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COGENERATION TECHNOLOGY ALTERNATIVES STUDY (CTAS)

GENERAL ELECTRIC COMPANY

FINAL REPORT

VOLUME VI - COMPUTER DATA

PART 2 – Residual-Fired Nocogeneration Process Boiler

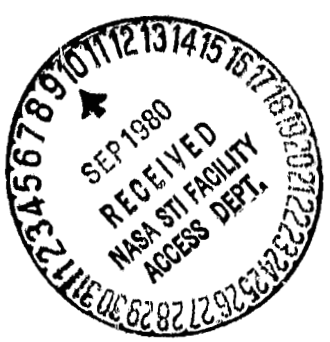
W.F. Knightly

May, 1980

PREPARED FOR
National Aeronautics Space Administration
Lewis Research Center
Under Contract DEN3-31

FOR

U.S. Department of Energy
Office of Energy Technology
Division of Fossil Fuel Utilization



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RESIDUAL-FIRED NOCOGENERATION PROCESS BOILER

5.2 - Summary of Fuel Saved by Type & Economics

GENERAL ELECTRIC COMPANY
COGENERATION TECHNOLOGY ALTERNATIVES STUDY
REPORT 5.2
SUMMARY OF FUEL SAVED BY TYPE & ECONOMICS

ECS	PROCS	FUEL USE IN BTU*10**6 **COGENERATION CASE** DISTIL	RESIDL	COAL	**NOCOGEN - COGEN** DISTIL	RESIDL	COAL		POWER REQD MW	COGEN POWER MW	O&M	POWER /HEAT RATIO	FESR	CAPITAL COST *10**6	NORM COST	$/KW EQVL	ROI (%)	LEVL CHRG	NORM ENRG	WRTH
ONOCGN	10101	0.	68.	82.	0.	0.	0.		10.	0.	0.38	0.25	0.	4.8	1.00	101.2	0	5.2	1.00	80
STM141	10101	0.	84.	1.	0.	-15.	81.		10.	10.	0.57	0.25	0.44	8.3	1.75	141.8	25	3.9	0.75	155
STM141	10101	0.	0.	84.	0.	68.	-2.	F	10.	10.	1.08	0.25	0.44	16.2	3.39	270.2	10	4.3	0.82	145
STM141	10101	0.	0.	84.	0.	68.	-2.	A	10.	10.	0.96	0.25	0.44	12.5	2.61	211.6	16	3.7	0.71	147
STM088	10101	0.	80.	20.	0.	-12.	62.		10.	8.	0.54	0.25	0.33	7.4	1.55	132.5	24	4.3	0.81	145
STM088	10101	0.	6.	94.	0.	62.	-12.	F	10.	8.	1.02	0.25	0.33	14.9	3.13	266.6	9	4.6	0.89	134
STM088	10101	0.	6.	94.	0.	62.	-12.	A	10.	8.	0.92	0.25	0.33	11.8	2.46	209.8	14	4.2	0.80	136
PFBSTM	10101	0.	0.	85.	0.	68.	-3.		10.	10.	1.59	0.25	0.44	20.8	4.36	351.2	5	5.3	1.01	157
PFBSTN	10101	0.	0.	106.	0.	81.	19.		10.	15.	1.45	0.25	0.48	19.9	4.17	304.3	8	4.4	0.85	147
TISTMT	10101	0.	122.	0.	0.	-54.	82.		10.	10.	1.27	0.25	0.19	29.6	6.20	499.5	0	8.0	1.53	136
TISTMT	10101	0.	77.	36.	0.	-9.	44.		10.	5.	1.01	0.25	0.23	20.5	4.28	381.1	0	6.6	1.25	125
TISTMT	10101	0.	0.	85.	0.	68.	-3.		10.	10.	1.96	0.25	0.44	41.4	8.67	698.9	0	7.9	1.50	164
TISTMT	10101	0.	0.	126.	0.	92.	38.		10.	20.	2.15	0.25	0.51	57.1	11.94	800.9	0	8.6	1.64	158
TIHRSG	10101	0.	74.	63.	0.	-6.	19.		10.	2.	0.84	0.25	0.08	17.5	3.67	345.5	0	6.7	1.28	100
TIHRSG	10101	0.	4.	101.	0.	64.	-18.		10.	8.	1.76	0.25	0.31	48.1	10.07	798.3	0	8.9	1.71	140
STIRL	10101	128.	0.	0.	-128.	68.	82.		10.	10.	0.77	0.25	0.15	11.1	2.33	173.1	0	6.5	1.24	136
STIRL	10101	80.	9.	31.	-80.	59.	51.		10.	6.	0.70	0.25	0.20	9.3	1.95	160.7	0	5.7	1.09	130
STIRL	10101	0.	128.	0.	0.	-60.	82.		10.	10.	0.77	0.25	0.15	11.1	2.33	173.3	0	5.7	1.08	132
STIRL	10101	0.	89.	31.	0.	-21.	51.		10.	6.	0.70	0.25	0.20	9.3	1.95	160.8	6	5.2	0.99	127
STIRL	10101	0.	0.	102.	0.	68.	-20.		10.	10.	1.44	0.25	0.32	21.9	4.58	340.5	4	5.5	1.05	143
STIRL	10101	0.	0.	179.	0.	100.	11.		10.	23.	1.43	0.25	0.38	28.1	5.87	323.2	6	5.0	0.95	127
HEGT85	10101	0.	0.	123.	0.	68.	-41.	A	10.	10.	1.69	0.25	0.18	35.4	7.40	500.5	0	7.6	1.45	131
HEGT85	10101	0.	0.	531.	0.	193.	-30.	A	10.	61.	3.34	0.25	0.24	91.7	19.19	482.4	0	12.8	2.45	116
HEGT60	10101	0.	0.	122.	0.	68.	-39.	A	10.	10.	1.66	0.25	0.19	34.0	7.11	484.4	0	7.4	1.41	132
HEGT60	10101	0.	0.	278.	0.	117.	-31.	A	10.	30.	2.12	0.25	0.24	55.1	11.54	476.1	0	9.1	1.73	118
HEGT00	10101	0.	0.	122.	0.	68.	-40.	A	10.	10.	1.56	0.25	0.19	31.2	6.54	444.5	0	7.0	1.34	130
HEGT00	10101	0.	0.	154.	0.	78.	-39.	A	10.	14.	1.41	0.25	0.20	33.4	6.99	419.9	0	6.9	1.31	119
FCMCCL	10101	0.	0.	211.	0.	68.	-129.		10.	10.	1.72	0.25	-0.40	29.8	6.24	483.1	0	8.6	1.64	65
FCMCCL	10101	0.	0.	289.	0.	107.	-77.		10.	26.	2.09	0.25	0.09	40.3	8.43	476.4	0	8.5	1.63	103
FCSTCL	10101	0.	0.	208.	0.	68.	-126.		10.	10.	1.73	0.25	-0.39	29.0	6.07	474.6	0	8.5	1.62	66
FCSTCL	10101	0.	0.	359.	0.	146.	-16.		10.	42.	2.65	0.25	0.27	50.3	10.52	478.2	0	8.4	1.61	110
IGGTST	10101	0.	0.	220.	0.	68.	-138.		10.	10.	1.61	0.25	-0.47	28.9	6.05	448.2	0	8.5	1.63	57
IGGTST	10101	0.	0.	335.	0.	116.	-93.		10.	29.	1.64	0.25	0.06	40.4	8.46	412.3	0	8.2	1.56	94
GTSOAR	10101	0.	118.	0.	0.	-50.	82.		10.	10.	0.71	0.25	0.22	10.6	2.22	166.2	5	5.3	1.00	140
GTSOAR	10101	0.	91.	24.	0.	-23.	58.		10.	7.	0.67	0.25	0.24	9.6	2.00	162.0	9	5.0	0.96	131
GTAC08	10101	0.	126.	0.	0.	-58.	82.		10.	10.	0.68	0.25	0.16	9.6	2.01	155.0	2	5.4	1.03	135
GTAC08	10101	0.	83.	35.	0.	-15.	47.		10.	6.	0.63	0.25	0.21	8.3	1.74	149.7	11	4.9	0.94	129
GTAC12	10101	0.	112.	0.	0.	-44.	82.		10.	10.	0.68	0.25	0.25	9.8	2.05	157.8	9	5.0	0.95	145
GTAC12	10101	0.	86.	24.	0.	-18.	58.		10.	7.	0.65	0.25	0.27	8.8	1.85	153.2	12	4.8	0.91	135
GTAC16	10101	0.	106.	0.	0.	-38.	82.		10.	10.	0.69	0.25	0.30	10.1	2.12	162.8	10	4.8	0.92	149
GTAC16	10101	0.	89.	17.	0.	-21.	65.		10.	8.	0.66	0.25	0.30	9.4	1.97	159.0	12	4.7	0.90	138
GTWC16	10101	0.	108.	0.	0.	-40.	82.		10.	10.	0.70	0.25	0.28	10.4	2.18	162.9	9	5.0	0.95	146
GTWC16	10101	0.	95.	13.	0.	-27.	69.		10.	8.	0.68	0.25	0.28	9.9	2.07	161.1	10	4.9	0.93	136

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SUMMARY OF FUEL SAVED BY TYPE & ECONOMICS

ECS	PROCS	FUEL USE IN BTU*10**6 — **COGENERATION CASE** DISTIL	RESIDL	COAL	**NOCOGEN - COGEN** DISTIL	RESIDL	COAL	POWER REQD MW	COGEN POWER MW	O&M	POWER /HEAT RATIO	FESR	CAPITAL COST *10**6	NORM COST	$/KW EQVL	ROI (%)	LEVL CHRG	NORM ENRG	WRTH
CC1626	10101	0.	100.	0.	0.	-32.	82.	10.	10.	0.80	0.25	0.33	10.7	2.23	166.8	9	4.9	.93	152
CC1626	10101	0.	124.	0.	0.	-46.	116.	10.	14.	0.86	0.25	0.36	12.1	2.53	170.9	7	5.0	0.96	142
CC1622	10101	0.	98.	0.	0.	-30.	82.	10.	10.	0.79	0.25	0.35	10.4	2.17	164.0	10	4.8	0.91	154
CC1622	10101	0.	113.	0.	0.	-38.	104.	10.	13.	0.83	0.25	0.37	11.3	2.37	167.9	9	4.8	0.92	144
CC1222	10101	0.	98.	0.	0.	-30.	82.	10.	10.	0.78	0.25	0.35	10.1	2.11	160.2	11	4.7	0.90	155
CC1222	10101	0.	112.	0.	0.	-37.	104.	10.	13.	0.82	0.25	0.37	11.0	2.30	163.5	10	4.8	0.91	145
CC0822	10101	0.	94.	0.	0.	-26.	82.	10.	10.	0.78	0.25	0.37	10.2	2.14	164.9	12	4.6	0.88	157
CC0822	10101	0.	95.	0.	0.	-26.	83.	10.	10.	0.79	0.25	0.38	10.3	2.15	165.1	12	4.6	0.88	147
STIG15	10101	0.	132.	0.	0.	-64	82.	10.	10.	0.81	0.25	0.12	10.7	2.23	146.1	0	5.8	1.10	130
STIG15	10101	0.	2846.	0.	0.	-2023.	2609.	10.	318.	5.91	0.25	0.17	97.7	20.44	112.4	0	42.2	8.06	240
STIG10	10101	0.	124.	0.	0.	-56.	82.	10.	10.	0.77	0.25	0.18	10.2	2.14	144.5	1	5.4	1.04	136
STIG10	10101	0.	279.	0.	0.	-164.	241.	10.	29.	1.09	0.25	0.22	16.0	3.35	137.8	0	7.3	1.40	119
STIG1S	10101	0.	120.	0.	0.	-52.	82.	10.	10.	0.76	0.25	0.20	10.0	2.10	144.0	4	5.3	1.02	139
STIG1S	10101	0.	176.	0.	0.	-90.	142.	10.	17.	0.89	0.25	0.23	12.2	2.56	142.6	0	6.0	1.14	128
DEADV3	10101	0.	110.	0.	0.	-42.	82.	10.	10.	0.82	0.25	0.27	13.3	2.78	198.5	3	5.4	1.04	143
DEADV3	10101	0.	159.	0.	0.	-73.	142.	10.	17.	0.94	0.25	0.30	16.6	3.48	208.4	0	6.0	1.14	133
DEHTPM	10101	0.	97.	0.	0.	-29.	82.	10.	10.	0.84	0.25	0.35	13.0	2.73	212.9	6	5.1	0.97	152
DEHTPM	10101	0.	88.	10.	0.	-20.	72.	10.	9.	0.82	0.25	0.34	12.5	2.62	210.6	7	5.0	0.96	141
DESOA3	10101	116.	0.	0.	-116.	68.	82.	10.	10.	0.84	0.25	0.23	13.9	2.91	203.3	0	6.4	1.23	142
DESOA3	10101	186.	0.	0.	-186.	92.	162.	10.	20.	1.08	0.25	0.27	21.3	4.47	239.9	0	8.2	1.56	134
DESOA3	10101	0.	116.	0.	0.	-48.	82.	10.	10.	0.84	0.25	0.23	13.9	2.91	203.3	0	5.7	1.09	139
DESOA3	10101	0.	186.	0.	0.	-94.	162.	10.	20.	1.08	0.25	0.27	21.3	4.47	239.9	0	7.0	1.33	128
GTSOAD	10101	117.	0.	0.	-117.	68.	82.	10.	10.	0.67	0.25	0.22	9.3	1.95	149.0	0	5.8	1.11	146
GTSOAD	10101	79.	8.	27.	-79.	60.	55.	10.	7.	0.64	0.25	0.24	8.4	1.76	146.2	2	5.3	1.02	136
GTRA08	10101	98.	0.	0.	-98.	68.	82.	10.	10.	0.72	0.25	0.34	11.0	2.30	173.8	2	5.4	1.03	156
GTRA08	10101	102.	0.	0.	-102.	70.	88.	10.	11.	0.73	0.25	0.35	11.3	2.36	174.9	2	5.4	1.04	145
GTRA12	10101	98.	0.	0.	-98.	68.	82.	10.	10.	0.72	0.25	0.35	11.0	2.30	174.1	3	5.4	1.02	156
GTRA12	10101	101.	0.	0.	-101.	69.	87.	10.	11.	0.72	0.25	0.36	11.2	2.34	175.1	2	5.4	1.03	146
GTRA16	10101	98.	0.	0.	-98.	68.	82.	10.	10.	0.72	0.25	0.35	11.3	2.37	180.0	2	5.4	1.03	156
GTRA16	10101	97.	0.	1.	-97.	68.	82.	10.	10.	0.72	0.25	0.35	11.3	2.37	179.8	2	5.4	1.03	145
GTR208	10101	107.	0.	0.	-107.	68.	82.	10.	10.	0.70	0.25	0.29	10.4	2.19	165.5	0	5.6	1.07	151
GTR208	10101	89.	4.	14.	-89.	64.	68.	10.	8.	0.68	0.25	0.29	9.8	2.06	163.0	2	5.4	1.03	140
GTR212	10101	103.	0.	0.	-103.	68.	82.	10.	10.	0.71	0.25	0.31	10.7	2.24	169.3	0	5.5	1.06	153
GTR212	10101	92.	3.	9.	-92.	65.	73.	10.	9.	0.69	0.25	0.31	10.3	2.16	167.5	2	5.4	1.03	142
GTR216	10101	101.	0.	0.	-101.	68.	82.	10.	10.	0.71	0.25	0.33	10.9	2.29	173.6	1	5.5	1.05	154
GTR216	10101	92.	2.	7.	-92.	66.	75.	10.	9.	0.70	0.25	0.32	10.6	2.21	171.9	2	5.4	1.03	143
GTRW08	10101	107.	0.	0.	-107.	68.	82.	10.	10.	0.72	0.25	0.29	11.1	2.32	168.8	0	5.7	1.09	150
GTRW08	10101	125.	0.	0.	-125.	75.	106.	10.	13.	0.76	0.25	0.31	12.2	2.54	170.9	0	6.0	1.14	141
GTRW12	10101	104.	0.	0.	-104.	68.	82.	10.	10.	0.72	0.25	0.31	11.1	2.32	170.7	0	5.6	1.07	152
GTRW12	10101	124.	0.	0.	-124.	76.	108.	10.	13.	0.77	0.25	0.33	12.3	2.57	173.4	0	5.9	1.12	143
GTRW16	10101	104.	0.	0.	-104.	68.	82.	10.	10.	0.73	0.25	0.31	11.4	2.38	175.3	0	5.6	1.08	152
GTRW16	10101	118.	0.	0.	-118.	74.	101.	10.	12.	0.76	0.25	0.33	12.3	2.57	177.8	0	5.8	1.11	142
GTR308	10101	110.	0.	0.	-110.	68.	82.	10.	10.	0.71	0.25	0.27	10.6	2.21	159.1	0	5.8	1.10	140
GTR308	10101	108.	1.	2.	-108.	68.	80.	10.	10.	0.71	0.25	0.27	10.5	2.20	159.0	0	5.7	1.09	138

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SUMMARY OF FUEL SAVED BY TYPE & ECONOMICS

		FUEL USE IN BTU*10**6																
		COGENERATION CASE			**NOCOGEN - COGEN**			POWER	COGEN	O&M	POWER	FESR	CAPITAL	NORM	$/KW	ROI	LEVL	NORM WRTH
EC3	PROCS	DISTIL	RESIDL	COAL	DISTIL	RESIDL	COAL	REQD MW	POWER MW		/HEAT RATIO		COST *10**6	COST	EQVL	(%)	CHRG	ENRG
GTR312	10101	103.	0.	0.	-103.	68.	82.	10.	10.	0.71	0.25	0.31	10.7	2.23	164.8	0	5.5	1.08 153
GTR312	10101	109.	0.	0.	-109.	70.	89.	10.	11.	0.72	0.25	0.32	11.0	2.30	165.6	0	5.6	1.07 143
GTR316	10101	104.	0.	0.	-104.	68.	82.	10.	10.	0.72	0.25	0.31	11.0	2.30	169.4	0	5.6	1.07 152
GTR316	10101	108.	0.	0.	-108.	70.	88.	10.	11.	0.73	0.25	0.32	11.3	2.36	170.2	0	5.6	1.08 142
FCPADS	10101	115.	0.	0.	-115.	68.	82.	10.	10.	1.53	0.25	0.23	11.7	2.45	171.3	0	6.9	1.32 148
FCPADS	10101	218.	0.	0.	-218.	103.	199.	10.	24.	3.02	0.25	0.28	19.6	4.11	199.7	0	10.2	1.95 142
FCMCDS	10101	104.	0.	0.	-104.	68.	82.	10.	10.	1.47	0.25	0.31	12.1	2.54	186.9	0	6.4	1.23 155
FCMCDS	10101	159.	0.	0.	-159.	91.	157.	10.	19.	2.37	0.25	0.36	17.4	3.64	214.9	0	8.2	1.56 148

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SUMMARY OF FUEL SAVED BY TYPE & ECONOMICS

		FUEL USE IN BTU*10**6																
		COGENERATION CASE			**NOCOGEN - COGEN**													
ECS	PROCS	DISTIL	RESIDL	COAL	DISTIL	RESIDL	COAL		POWER REQD MW	COGEN POWER MW	O&M	POWER /HEAT RATIO	FESR	CAPITAL COST *10**6	NORM COST	$/KW EQVL	ROI (%)	LEVL CHRG	NORM ENRG	WRTH
ONOCGN	10102	0.	556.	246.	0.	0.	0.		30.	0.	0.74	0.25	0.	14.6	1.00	103.1	0	25.6	1.00	80
STM141	10102	0.	602.	3.	0.	-46.	243.		30.	30.	0.96	0.25	0.25	19.0	1.30	107.7	55	20.6	0.81	139
STM141	10102	0.	1.	604.	0.	555.	-358.	F	30.	30.	2.01	0.25	0.25	34.5	2.37	195.9	30	16.0	0.63	122
STM141	10102	0.	1.	604.	0.	555.	-358.	A	30.	30.	1.95	0.25	0.25	29.8	2.04	169.1	38	15.4	0.60	124
STM088	10102	0.	591.	61.	0.	-35.	185.		30.	23.	0.93	0.25	0.19	17.2	1.18	102.2	67	21.8	0.85	134
STM088	10102	0.	18.	634.	0.	538.	-388.	F	30.	23.	1.89	0.25	0.19	32.1	2.21	191.5	29	17.3	0.68	116
STM088	10102	0.	18.	634.	0.	538.	-388.	A	30.	23.	1.75	0.25	0.19	23.4	1.60	139.2	54	16.3	0.64	122
PFBSTM	10102	0.	0.	606.	0.	556.	-359.		30.	30.	3.12	0.25	0.25	42.4	2.91	239.1	20	17.9	0.70	131
PFBSTM	10102	0.	0.	669.	0.	594.	-296.		30.	45.	3.13	0.25	0.31	41.0	2.81	209.0	25	16.0	0.63	125
TISTMT	10102	0.	606.	0.	0.	-50.	246.		30.	30.	2.40	0.25	0.24	65.9	4.52	371.3	2	27.2	1.06	134
TISTMT	10102	0.	728.	0.	0.	-99.	490.		30.	60.	3.11	0.25	0.35	101.7	6.98	477.0	0	29.8	1.17	130
TISTMT	10102	0.	0.	606.	0.	556.	-359.		30.	30.	3.78	0.25	0.24	91.4	6.28	515.1	6	23.9	0.94	128
TISTMT	10102	0.	0.	728.	0.	629.	-238.		30.	60.	4.45	0.25	0.35	128.5	8.82	602.4	5	25.2	0.98	123
TIHRSG	10102	0.	627.	38.	0.	-71.	208.		30.	25.	2.52	0.25	0.17	84.9	5.83	470.5	0	30.8	1.21	115
TIHRSG	10102	0.	11.	654.	0.	545.	-407.		30.	25.	3.72	0.25	0.17	108.6	7.45	601.8	3	27.3	1.07	110
STIRL	10102	657.	0.	0.	-657.	556.	246.		30.	30.	1.43	0.25	0.18	28.9	1.98	149.8	0	27.9	1.09	140
STIRL	10102	887.	0.	0.	-887.	652.	569.		30.	69.	1.71	0.25	0.27	46.9	3.22	180.6	0	31.0	1.21	127
STIRL	10102	0.	657.	0.	0.	-102.	246.		30.	30.	1.43	0.25	0.18	28.9	1.98	149.9	14	23.6	0.92	135
STIRL	10102	0.	887.	0.	0.	-235.	569.		30.	69.	1.71	0.25	0.27	47.0	3.23	180.8	6	25.2	0.99	121
STIRL	10102	0.	0.	657.	0.	556.	-411.		30.	30.	2.85	0.25	0.18	54.2	3.72	281.6	14	19.7	0.77	121
STIRL	10102	0.	0.	887.	0.	652.	-318.		30.	69.	3.40	0.25	0.27	82.1	5.64	315.9	11	19.8	0.77	109
HEGT85	10102	0.	0.	722.	0.	556.	-476.	A	30.	30.	3.34	0.25	0.10	75.4	5.18	356.6	7	23.7	0.93	111
HEGT85	10102	0.	0.	1941.	0.	930.	-442.	A	30.	183.	7.47	0.25	0.20	199.4	13.69	350.7	0	33.6	1.32	85
HEGT60	10102	0.	0.	716.	0.	556.	-470.	A	30.	30.	3.27	0.25	0.11	72.4	4.97	344.8	8	23.2	0.91	112
HEGT60	10102	0.	0.	1183.	0.	703.	-446.	A	30.	90.	4.65	0.25	0.18	119.5	8.20	344.8	4	26.8	1.04	95
HEGT00	10102	0.	0.	719.	0.	556.	-472.	A	30.	30.	3.13	0.25	0.10	67.1	4.61	318.9	9	22.5	0.88	112
HEGT00	10102	0.	0.	812.	0.	585.	-468.	A	30.	42.	3.05	0.25	0.13	72.5	4.98	304.6	9	22.4	0.88	102
FCMCCL	10102	0.	0.	631.	0.	556.	-385.		30.	30.	3.52	0.25	0.21	64.3	4.42	348.0	10	21.3	0.83	125
FCMCCL	10102	0.	0.	864.	0.	671.	-232.		30.	77.	4.87	0.25	0.34	88.8	6.10	351.1	9	20.6	0.81	115
FCSTCL	10102	0.	0.	624.	0.	556.	-378.		30.	30.	3.43	0.25	0.22	62.3	4.28	340.6	11	20.9	0.82	126
FCSTCL	10102	0.	0.	1074.	0.	789.	-47.		30.	125.	6.12	0.25	0.41	111.0	7.62	352.8	9	19.0	0.74	109
IGGTST	10102	0.	0.	659.	0.	556.	-413.		30.	30.	2.85	0.25	0.18	60.0	4.12	310.6	12	20.6	0.81	121
IGGTST	10102	0.	0.	1001.	0.	699.	-277.		30.	88.	3.06	0.25	0.30	87.3	5.99	297.5	11	18.9	0.74	105
GTSOAR	10102	0.	652.	0.	0.	-96.	246.		30.	30.	1.21	0.25	0.19	22.9	1.57	119.8	25	22.6	0.88	140
GTSOAR	10102	0.	926.	0.	0.	-251.	646.		30.	79.	1.30	0.25	0.30	33.8	2.32	124.6	14	22.6	0.89	125
GTAC08	10102	0.	633.	0.	0.	-77.	246.		30.	30.	1.16	0.25	0.21	21.0	1.44	113.2	36	21.8	0.85	144
GTAC08	10102	0.	801.	0.	0.	-163.	520.		30.	63.	1.07	0.25	0.31	25.3	1.74	107.9	29	20.9	0.82	134
GTAC12	10102	0.	633.	0.	0.	-77.	246.		30.	30.	1.18	0.25	0.21	21.7	1.49	116.8	33	21.9	0.86	143
GTAC12	10102	0.	876.	0.	0.	-202.	643.		30.	78.	1.20	0.25	0.33	30.1	2.07	117.4	22	21.0	0.82	130
GTAC16	10102	0.	635.	0.	0.	-79.	246.		30.	30.	1.23	0.25	0.21	23.8	1.63	128.9	25	22.2	0.87	141
GTAC16	10102	0.	929.	0.	0.	-231.	722.		30.	88.	1.31	0.25	0.35	34.2	2.35	125.8	18	21.3	0.83	126
GTWC16	10102	0.	653.	0.	0.	-97.	246.		30.	30.	1.23	0.25	0.19	23.7	1.62	123.6	23	22.7	0.89	139
GTWC16	10102	0.	1015.	0.	0.	-303.	769.		30.	94.	1.30	0.25	0.31	33.0	2.27	111.1	15	22.6	0.88	123

ECS	PROCS	FUEL USE IN BTU*10**6 **COGENERATION CASE** DISTIL	RESIDL	COAL	**NOCOGEN - COGEN** DISTIL	RESIDL	COAL	POWER REQD MW	COGEN POWER MW	O&M	POWER /HEAT RATIO	FESR	CAPITAL COST *10**6	NORM COST	$/KW EQVL	ROI (%)	LEVL CHRG	NORM ENRG	WRTH
CC1626	10102	0.	653.	0.	0.	-97.	246.	30.	30.	1.43	0.25	0.19	27.1	1.86	141.9	15	23.4	0.91	137
CC1626	10102	0.	1373.	0.	0.	-507.	1285.	30.	157.	1.89	0.25	0.36	48.3	3.31	120.0	9	23.7	0.93	110
CC1622	10102	0.	646.	0.	0.	-90.	246.	30.	30.	1.42	0.25	0.19	27.1	1.86	143.2	16	23.1	0.91	138
CC1622	10102	0.	1251.	0.	0.	-423.	1157.	30.	141.	1.86	0.25	0.37	49.1	3.37	133.9	10	23.1	0.90	113
CC1222	10102	0.	644.	0.	0.	-89.	246.	30.	30.	1.41	0.25	0.20	26.5	1.82	140.1	17	23.0	0.90	139
CC1222	10102	0.	1242.	0.	0.	-415.	1154.	30.	141.	1.82	0.25	0.37	46.3	3.18	127.3	11	22.5	0.88	114
CC0822	10102	0.	633.	0.	0.	-77.	246.	30.	30.	1.40	0.25	0.21	26.2	1.80	141.0	19	22.7	0.89	140
CC0822	10102	0.	1049.	0.	0.	-291.	925.	30.	113.	1.53	0.25	0.38	36.3	2.49	117.9	18	20.7	0.81	122
STIG15	10102	0.	747.	0.	0.	-191.	246.	30.	30.	1.59	0.25	0.07	27.5	1.89	125.8	0	26.2	1.03	125
STIG15	10102	0.	31538.	0.	0.	-22419.	28914.	30.	3522.	51.42	0.25	0.17	861.5	59.13	93.2	0	415.1	16.25	443
STIG10	10102	0.	723.	0.	0.	-167.	246.	30.	30.	1.49	0.25	0.10	26.5	1.82	125.0	6	25.3	0.99	129
STIG10	10102	0.	3094.	0.	0.	-1813.	2674.	30.	326.	4.83	0.25	0.22	94.6	6.49	104.3	0	50.2	1.97	101
STIG1S	10102	0.	712.	0.	0.	-156.	246.	30.	30.	1.48	0.25	0.11	26.0	1.78	124.5	9	24.9	0.98	130
STIG1S	10102	0.	1945.	0.	0.	-994.	1569.	30.	191.	3.08	0.25	0.23	55.2	3.79	96.9	0	35.8	1.40	100
DEADV3	10102	0.	683.	0.	0.	-127.	246.	30.	30.	1.60	0.25	0.15	35.9	2.46	179.3	6	25.3	0.99	129
DEADV3	10102	0.	1760.	0.	0.	-809.	1572.	30.	191.	3.82	0.25	0.30	125.1	8.58	242.5	0	38.4	1.50	104
DEHTPM	10102	0.	626.	0.	0.	-70.	246.	30.	30.	1.57	0.25	0.22	32.8	2.25	178.7	13	23.2	0.91	138
DEHTPM	10102	0.	947.	0.	0.	-226.	798.	30.	97.	2.38	0.25	0.38	69.4	4.76	250.3	6	24.8	0.97	121
DESOA3	10102	700.	0.	0.	-700.	556.	246.	30.	30.	1.73	0.25	0.13	40.8	2.80	199.0	0	31.0	1.21	130
DESOA3	10102	2061.	0.	0.	-2061.	1017.	1791.	30.	218.	5.14	0.25	0.27	176.2	12.10	291.8	0	62.5	2.45	119
DESOA3	10102	0.	700.	0.	0.	-144.	246.	30.	30.	1.73	0.25	0.13	40.8	2.80	199.0	2	26.4	1.03	125
DESOA3	10102	0.	2061.	0.	0.	-1044.	1791.	30.	218.	5.14	0.25	0.27	176.2	12.10	291.8	0	49.0	1.92	105
GTSOAD	10102	640.	0.	0.	-640.	556.	246.	30.	30.	1.15	0.25	0.20	20.4	1.40	108.7	0	26.1	1.02	148
GTSOAD	10102	875.	0.	0.	-875.	666.	615.	30.	75.	1.10	0.25	0.32	26.3	1.80	102.5	0	26.8	1.05	137
GTRA08	10102	647.	0.	0.	-647.	556.	246.	30.	30.	1.34	0.25	0.19	28.0	1.92	147.8	0	27.4	1.07	141
GTRA08	10102	1134.	0.	0.	-1134.	773.	975.	30.	119.	1.62	0.25	0.35	45.0	3.09	135.4	0	30.4	1.19	124
GTRA12	10102	645.	0.	0.	-645.	556.	246.	30.	30.	1.35	0.25	0.20	28.3	1.94	149.6	0	27.3	1.07	141
GTRA12	10102	1115.	0.	0.	-1115.	769.	961.	30.	117.	1.63	0.25	0.36	45.7	3.14	139.9	0	30.2	1.18	124
GTRA16	10102	644.	0.	0.	-644.	556.	246.	30.	30.	1.29	0.25	0.20	26.1	1.79	138.2	0	27.0	1.06	143
GTRA16	10102	1075.	0.	0.	-1075.	752.	903.	30.	110.	1.64	0.25	0.35	46.1	3.17	146.4	0	30.1	1.18	125
GTR208	10102	645.	0.	0.	-645.	556.	246.	30.	30.	1.24	0.25	0.20	24.0	1.65	127.0	0	26.8	1.05	144
GTR208	10102	982.	0.	0.	-982.	708.	756.	30.	92.	1.39	0.25	0.33	36.8	2.52	127.7	0	28.8	1.13	129
GTR212	10102	646.	0.	0.	-646.	556.	246.	30.	30.	1.26	0.25	0.19	24.6	1.69	129.8	0	26.9	1.05	144
GTR212	10102	1022.	0.	0.	-1022.	725.	811.	30.	99.	1.46	0.25	0.33	39.5	2.71	131.9	0	29.4	1.15	127
GTR216	10102	643.	0.	0.	-643.	556.	246.	30.	30.	1.27	0.25	0.20	25.3	1.73	134.0	0	26.9	1.05	143
GTR216	10102	1024.	0.	0.	-1024.	730.	830.	30.	101.	1.53	0.25	0.34	42.2	2.90	140.6	0	29.4	1.15	127
GTRW08	10102	672.	0.	0.	-672.	556.	246.	30.	30.	1.35	0.25	0.16	27.9	1.92	141.8	0	28.3	1.11	138
GTRW08	10102	1385.	0.	0.	-1385.	832.	1170.	30.	142.	1.70	0.25	0.31	47.1	3.23	116.0	0	35.3	1.38	118
GTRW12	10102	665.	0.	0.	-665.	556.	246.	30.	30.	1.34	0.25	0.17	27.9	1.92	143.5	0	28.0	1.10	139
GTRW12	10102	1370.	0.	0.	-1370.	841.	1200.	30.	146.	1.72	0.25	0.33	47.7	3.27	118.8	0	34.2	1.34	118
GTRW16	10102	663.	0.	0.	-663.	556.	246.	30.	30.	1.36	0.25	0.17	28.8	1.95	146.5	0	28.0	1.10	139
GTRW16	10102	1306.	0.	0.	-1306.	818.	1122.	30.	137.	1.70	0.25	0.33	47.5	3.26	124.0	0	33.6	1.32	119
GTR308	10102	679.	0.	0.	-679.	555.	246.	30.	30.	1.25	0.25	0.15	24.0	1.65	120.8	0	28.0	1.10	140
GTR308	10102	1193.	0.	0.	-1193.	748.	890.	30.	108.	1.42	0.25	0.27	36.9	2.54	105.6	0	33.4	1.31	122

GENERAL ELECTRIC COMPANY
COGENERATION TECHNOLOGY ALTERNATIVES STUDY
REPORT 5.2
SUMMARY OF FUEL SAVED BY TYPE & ECONOMICS

ECS	PROCS	FUEL USE IN BTU*10**6 **COGENERATION CASE** DISTIL	RESIDL	COAL	**NOCOGEN - COGEN** DISTIL	RESIDL	COAL	POWER REQD MW	COGEN POWER MW	O&M	POWER /HEAT RATIO	FESR	CAPITAL COST *10**6	NORM COST	$/KW EQVL	ROI (%)	LEVL CHRG	NORM ENRG	WRTH
GTR312	10102	662.	0.	0.	-662.	556.	246.	30.	30.	1.32	0.25	0.17	27.0	1.86	139.4	0	27.8	1.09	140
GTR312	10102	1205.	0.	0.	-1205.	779.	992.	30.	121.	1.53	0.25	0.32	41.1	2.82	216.4	0	32.1	1.26	122
GTR316	10102	663.	0.	0.	-663.	556.	246.	30.	30.	1.34	0.25	0.17	27.7	1.90	142.5	0	27.9	1.09	140
GTR316	10102	1198.	0.	0.	-1198.	774.	977.	30.	119.	1.56	0.25	0.32	42.3	2.90	120.5	0	32.3	1.26	122
FCPADS	10102	698.	0.	0.	-698.	556.	246.	30.	30.	4.02	0.25	0.13	34.1	2.34	166.8	0	32.5	1.27	135
FCPADS	10102	2412.	0.	0.	-2412.	1141.	2205.	30.	269.	28.02	0.25	0.28	154.0	10.57	217.9	0	86.2	3.37	142
FCMCDS	10102	663.	0.	0.	-663.	556.	246.	30.	30.	3.84	0.25	0.17	35.3	2.42	181.9	0	31.2	1.22	138
FCMCDS	10102	1760.	0.	0.	-1760.	1003.	1744.	30.	212.	21.00	0.25	0.36	132.4	9.09	256.7	0	64.0	2.51	134

GENERAL ELECTRIC COMPANY
COGENERATION TECHNOLOGY ALTERNATIVES STUDY
REPORT 5.2
SUMMARY OF FUEL SAVED BY TYPE & ECONOMICS

ECS	PROCS	FUEL USE IN BTU*10**6 — **COGENERATION CASE** DISTIL	RESIDL	COAL	**NOCOGEN - COGEN** DISTIL	RESIDL	COAL		POWER REQD MW	COGEN POWER MW	O&M	POWER /HEAT RATIO	FESR	CAPITAL COST *10**6	NORM COST	$/KW EQVL	ROI (%)	LEVL CHRG	NORM ENRG	WRTH
ONOCGN	20111	0.	33.	16.	0.	0.	0.		2.	0.	0.19	0.28	0.	1.6	1.00	189.2	0	0.7	1.00	80
STM141	20111	0.	36.	0.	0.	-3.	16.		2.	2.	0.36	0.28	0.26	3.2	2.02	299.4	0	1.0	1.34	156
STM141	20111	0.	37.	0.	0.	-3.	17.		2.	2.	0.29	0.28	0.28	3.0	1.93	280.5	0	0.9	1.23	145
STM141	20111	0.	0.	36.	0.	33.	-20.	F	2.	2.	0.57	0.28	0.26	5.6	3.59	532.0	0	1.3	1.84	159
STM141	20111	0.	0.	37.	0.	33.	-19.	F	2.	2.	0.46	0.28	0.28	5.2	3.30	480.0	0	1.2	1.61	145
STM141	20111	0.	0.	36.	0.	33.	-20.	A	2.	2.	0.51	0.28	0.26	5.1	3.27	484.9	0	1.2	1.68	156
STM141	20111	0.	0.	37.	0.	33.	-19.	A	2.	2.	0.40	0.28	0.28	4.6	2.94	427.7	0	1.0	1.44	143
STM088	20111	0.	36.	2.	0.	-3.	14.		2.	2.	0.28	0.28	0.23	2.6	1.65	252.9	0	0.8	1.17	140
STM088	20111	0.	1.	37.	0.	32.	-21.	F	2.	2.	0.44	0.28	0.23	4.7	3.01	459.7	0	1.1	1.55	139
STM088	20111	0.	1.	37.	0.	32.	-21.	A	2.	2.	0.38	0.28	0.23	4.3	2.75	420.4	0	1.0	1.41	137
PFBSTM	20111	0.	0.	36.	0.	33.	-20.		2.	2.	0.61	0.28	0.26	7.1	4.51	667.4	0	1.5	2.11	163
PFBSTM	20111	0.	0.	41.	0.	36.	-16.		2.	3.	0.47	0.28	0.33	6.8	4.36	571.9	0	1.3	1.84	152
TISTMT	20111	0.	36.	0.	0.	-3.	16.		2.	2.	0.53	0.28	0.26	8.7	5.54	818.2	0	1.7	2.39	167
TISTMT	20111	0.	44.	0.	0.	-7.	32.		2.	4.	0.56	0.28	0.37	13.0	8.32	999.8	0	2.2	3.03	177
TISTMT	20111	0.	0.	36.	0.	33.	-20.		2.	2.	0.79	0.28	0.26	12.2	7.80	1151.3	0	2.3	3.12	183
TISTMT	20111	0.	0.	44.	0.	38.	-12.		2.	4.	0.77	0.28	0.37	16.5	10.57	1270.2	0	2.7	3.65	191
TIHRSG	20111	0.	37.	4.	0.	-4.	12.		2.	1.	0.40	0.28	0.17	10.2	6.54	987.4	0	1.8	2.46	145
TIHRSG	20111	0.	1.	39.	0.	32.	-23.		2.	1.	0.57	0.28	0.17	13.2	8.44	1275.0	0	2.2	3.02	157
STIRL	20111	38.	0.	0.	-38.	33.	15.		2.	2.	0.34	0.28	0.21	2.7	1.71	236.9	0	1.0	1.34	153
STIRL	20111	53.	0.	0.	-53.	40.	39.		2.	5.	0.28	0.28	0.32	3.3	2.09	210.4	0	1.0	1.35	143
STIRL	20111	0.	38.	0.	0.	-5.	16.		2.	2.	0.34	0.28	0.21	2.7	1.71	237.1	0	0.9	1.25	151
STIRL	20111	0.	53.	0.	0.	-13.	39.		2.	5.	0.28	0.28	0.32	3.3	2.09	210.7	0	0.9	1.23	140
STIRL	20111	0.	0.	38.	0.	33.	-23.		2.	2.	0.57	0.28	0.21	5.7	3.66	508.2	0	1.3	1.85	153
STIRL	20111	0.	0.	53.	0.	40.	-14.		2.	5.	0.45	0.28	0.32	5.8	3.74	376.6	0	1.2	1.61	140
HEGT85	20111	0.	0.	40.	0.	33.	-24.	A	2.	2.	0.62	0.28	0.19	10.8	6.91	929.3	0	2.0	2.71	164
HEGT85	20111	0.	0.	64.	0.	43.	-15.	A	2.	6.	0.65	0.28	0.31	17.8	11.37	950.8	0	2.7	3.68	174
HEGT60	20111	0.	0.	42.	0.	33.	-26.	A	2.	2.	0.62	0.28	0.13	10.6	6.79	856.3	0	2.0	2.69	157
HEGT60	20111	0.	0.	63.	0.	40.	-24.	A	2.	5.	0.59	0.28	0.20	15.2	9.70	820.3	0	2.4	3.26	157
HEGT00	20111	0.	0.	43.	0.	33.	-27.	A	2.	2.	0.55	0.28	0.12	9.5	6.08	757.3	0	1.8	2.43	150
HEGT00	20111	0.	0.	46.	0.	34.	-27.	A	2.	2.	0.42	0.28	0.14	9.6	6.13	707.5	0	1.6	2.26	137
FCNCCL	20111	0.	0.	38.	0.	33.	-22.		2.	2.	0.61	0.28	0.23	9.3	5.94	839.5	0	1.8	2.49	165
FCNCCL	20111	0.	0.	50.	0.	39.	-14.		2.	4.	0.54	0.28	0.34	11.7	7.50	793.8	0	1.9	2.56	162
FCSTCL	20111	0.	0.	37.	0.	33.	-21.		2.	2.	0.67	0.28	0.24	9.1	5.78	827.3	0	1.8	2.52	167
FCSTCL	20111	0.	0.	66.	0.	48.	-0.		2.	8.	0.73	0.28	0.42	15.2	9.70	790.3	0	2.4	3.32	173
IGGTST	20111	0.	0.	39.	0.	33.	-24.		2.	2.	0.73	0.28	0.19	9.5	6.07	822.4	0	2.0	2.69	166
IGGTST	20111	0.	0.	61.	0.	42.	-14.		2.	6.	0.71	0.28	0.31	13.2	8.45	738.0	0	2.3	3.11	164
GTSOAR	20111	0.	39.	0.	0.	-6.	16.		2.	2.	0.33	0.28	0.21	3.3	2.14	294.2	0	1.0	1.35	148
GTSOAR	20111	0.	53.	0.	0.	-14.	37.		2.	4.	0.26	0.28	0.31	4.0	2.56	259.4	0	1.0	1.33	137
GTAC08	20111	0.	38.	0.	0.	-5.	16.		2.	2.	0.32	0.28	0.22	2.9	1.88	264.4	0	0.9	1.26	150
GTAC08	20111	0.	47.	0.	0.	-10.	31.		2.	4.	0.23	0.28	0.31	3.1	2.01	227.1	0	0.8	1.15	141
GTAC12	20111	0.	38.	0.	0.	-5.	16.		2.	2.	0.32	0.28	0.23	3.0	1.89	266.6	0	0.9	1.26	150
GTAC12	20111	0.	51.	0.	0.	-11.	37.		2.	5.	0.25	0.28	0.34	3.5	2.21	232.0	0	0.9	1.20	141
GTAC16	20111	0.	38.	0.	0.	-5.	16.		2.	2.	0.32	0.28	0.23	3.0	1.95	274.5	0	0.9	1.28	150

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ECS	PROCS	----------FUEL USE IN BTU*10**6---------- **COGENERATION CASE** DISTIL	RESIDL	COAL	**NOCOGEN - COGEN** DISTIL	RESIDL	COAL	POWER REQD MW	COGEN POWER MW	O&M	POWER /HEAT RATIO	FESR	CAPITAL COST *10**6	NORM COST	$/KW EQVL	ROI (%)	LEVL CHRG	NORM ENRG	WRTH
GTAC16	20111	0.	53.	0.	0.	-13.	42.	2.	5.	0.26	0.28	0.35	3.8	2.45	244.5	0	0.9	1.27	140
GTWC16	20111	0.	39.	0.	0.	-6.	16.	2.	2.	0.33	0.28	0.20	3.3	2.10	285.3	0	1.0	1.34	147
GTWC16	20111	0.	60.	0.	0.	-18.	45.	2.	5.	0.28	0.28	0.31	4.3	2.75	247.4	0	1.0	1.40	134
CC1626	20111	0.	39.	0.	0.	-6.	16.	2.	2.	0.40	0.28	0.20	3.4	2.18	297.3	0	1.1	1.47	149
CC1626	20111	0.	84.	0.	0.	-31.	81.	2.	10.	0.44	0.28	0.37	6.3	4.04	257.1	0	1.4	1.89	134
CC1622	20111	0.	39.	0.	0.	-6.	16.	2.	2.	0.39	0.28	0.21	3.2	2.06	284.4	0	1.0	1.43	151
CC1622	20111	0.	76.	0.	0.	-26.	73.	2.	9.	0.41	0.28	0.38	5.6	3.60	252.4	0	1.3	1.74	135
CC1222	20111	0.	39.	0.	0.	-6.	16.	2.	2.	0.39	0.28	0.21	3.1	2.01	277.8	0	1.0	1.41	151
CC1222	20111	0.	76.	0.	0.	-26.	73.	2.	9.	0.41	0.28	0.38	5.4	3.45	243.3	0	1.2	1.70	135
CC0822	20111	0.	38.	0.	0.	-5.	16.	2.	2.	0.39	0.28	0.22	3.3	2.09	294.4	0	1.0	1.42	152
CC0822	20111	0.	64.	0.	0.	-16.	59.	2.	7.	0.38	0.28	0.39	4.9	3.13	261.3	0	1.1	1.58	139
STIG15	20111	0.	45.	0.	0.	-12.	16.	2.	2.	0.35	0.28	0.07	3.5	2.23	262.4	0	1.1	1.46	133
STIG15	20111	0.	1846.	0.	0.	-1312.	1693.	2.	206.	2.64	0.28	0.17	65.0	41.49	120.1	0	13.7	18.63	508
STIG10	20111	0.	44.	0.	0.	-11.	16.	2.	2.	0.34	0.28	0.10	3.3	2.12	258.3	0	1.0	1.41	137
STIG10	20111	0.	181.	0.	0.	-106.	157.	2.	19.	0.60	0.28	0.22	8.9	5.70	168.0	0	2.0	2.75	122
STIG1S	20111	0.	43.	0.	0.	-10.	16.	2.	2.	0.34	0.28	0.12	3.2	2.07	257.1	0	1.0	1.39	138
STIG1S	20111	0.	114.	0.	0.	-58.	92.	2.	11.	0.39	0.28	0.23	6.1	3.93	184.3	0	1.5	2.00	116
DEADV3	20111	0.	39.	0.	0.	-6.	16.	2.	2.	0.39	0.28	0.20	4.4	2.82	385.1	0	1.1	1.57	148
DEADV3	20111	0.	72.	0.	0.	-25.	64.	2.	8.	0.40	0.28	0.36	7.1	4.52	335.1	0	1.4	1.93	137
DEHTPM	20111	0.	37.	0.	0.	-4.	16.	2.	2.	0.40	0.28	0.24	4.3	2.78	400.9	0	1.1	1.56	153
DEHTPM	20111	0.	55.	0.	0.	-12.	48.	2.	6.	0.38	0.28	0.40	6.0	3.82	374.1	0	1.2	1.70	146
DESOA3	20111	40.	0.	0.	-40.	33.	16.	2.	2.	0.35	0.28	0.19	3.3	2.11	284.1	0	1.1	1.48	149
DESOA3	20111	76.	0.	0.	-76.	48.	66.	2.	8.	0.40	0.28	0.33	7.2	4.57	322.0	0	1.6	2.16	139
DESOA3	20111	0.	40.	0.	0.	-7.	16.	2.	2.	0.35	0.28	0.19	3.3	2.11	284.1	0	1.0	1.38	147
DESOA3	20111	0.	76.	0.	0.	-28.	66.	2.	8.	0.40	0.28	0.33	7.2	4.57	322.0	0	1.4	1.98	135
GTSOAD	20111	38.	0.	0.	-38.	33.	16.	2.	2.	0.32	0.28	0.22	2.9	1.83	256.2	0	1.0	1.34	152
GTSOAD	20111	50.	0.	0.	-50.	39.	35.	2.	4.	0.24	0.28	0.32	3.2	2.03	214.9	0	0.9	1.26	143
GTRA08	20111	39.	0.	0.	-39.	33.	16.	2.	2.	0.33	0.28	0.21	3.5	2.25	311.5	0	1.1	1.47	150
GTRA08	20111	64.	0.	0.	-64.	45.	55.	2.	7.	0.30	0.28	0.36	5.2	3.34	279.7	0	1.2	1.68	139
GTRA12	20111	38.	0.	0.	-38.	33.	16.	2.	2.	0.33	0.28	0.21	3.4	2.19	304.3	0	1.1	1.45	151
GTRA12	20111	63.	0.	0.	-63.	44.	54.	2.	7.	0.30	0.28	0.36	5.1	3.28	278.4	0	1.2	1.66	140
GTRA16	20111	38.	0.	0.	-38.	33.	16.	2.	2.	0.33	0.28	0.21	3.5	2.26	314.1	0	1.1	1.47	151
GTRA16	20111	61.	0.	0.	-61.	44.	51.	2.	6.	0.30	0.28	0.36	5.2	3.34	292.6	0	1.2	1.67	141
GTR208	20111	38.	0.	0.	-38.	33.	16.	2.	2.	0.33	0.28	0.21	3.3	2.09	290.4	0	1.0	1.42	151
GTR208	20111	56.	0.	0.	-56.	41.	43.	2.	5.	0.27	0.28	0.34	4.2	2.69	256.3	0	1.1	1.48	141
GTR212	20111	39.	0.	0.	-39.	33.	16.	2.	2.	0.33	0.28	0.21	3.4	2.14	296.6	0	1.0	1.44	151
GTR212	20111	58.	0.	0.	-58.	42.	46.	2.	6.	0.28	0.28	0.34	4.5	2.90	265.2	0	1.1	1.55	140
GTR216	20111	38.	0.	0.	-38.	33.	16.	2.	2.	0.33	0.28	0.22	3.4	2.17	301.6	0	1.0	1.44	151
GTR216	20111	58.	0.	0.	-58.	42.	47.	2.	6.	0.29	0.28	0.35	4.7	3.01	275.3	0	1.1	1.57	141
GTRW08	20111	40.	0.	0.	-40.	33.	16.	2.	2.	0.34	0.28	0.18	3.6	2.30	304.7	0	1.1	1.51	147
GTRW08	20111	78.	0.	0.	-78.	48.	66.	2.	8.	0.34	0.28	0.31	5.9	3.78	258.9	0	1.4	1.92	133
GTRW12	20111	40.	0.	0.	-40.	33.	16.	2.	2.	0.34	0.28	0.19	3.6	2.29	308.0	0	1.1	1.50	148
GTRW12	20111	78.	0.	0.	-78.	49.	68.	2.	8.	0.34	0.28	0.33	6.0	3.84	264.4	0	1.4	1.91	134
GTRW16	20111	40.	0.	0.	-40.	33.	16.	2.	2.	0.34	0.28	0.19	3.7	2.35	316.5	0	1.1	1.52	148

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ECS	PROCS	FUEL USE IN BTU*10**6 — **COGENERATION CASE** DISTIL	RESIDL	COAL	**NOCOGEN - COGEN** DISTIL	RESIDL	COAL	POWER REQD MW	COGEN POWER MW	O&M	POWER /HEAT RATIO	FESR	CAPITAL COST *10**6	NORM COST	$/KW EQVL	ROI (%	LEVL CHRG	NORM ENRG	WRTH
GTRW1#	20111	74.	0.	0.	-74.	47.	64.	2.	8.	0.34	0.28	0.33	6.0	3.86	2[illegible]7.2	[illegible]	1.4	1.90	136
GTR308	20111	41.	0.	0.	-41.	33.	16.	2.	2.	0.33	0.28	0.17	3.3	2.13	280.6	[illegible]	1.1	1.46	146
GTR308	20111	66.	0.	0.	-66.	43.	50.	2.	6.	0.29	0.28	0.28	4.6	2.96	238.1	0	1.2	1.66	134
GTR312	20111	40.	0.	0.	-40.	33.	16.	2.	2.	0.33	0.28	0.19	3.4	2.19	295.2	0	1.1	1.47	146
GTR312	20111	69.	0.	0.	-69.	45.	57.	2.	7.	0.31	0.28	0.32	5.1	3.26	251.9	0	1.3	1.72	135
GTR316	20111	40.	0.	0.	-40.	33.	15.	2.	2.	0.34	0.28	0.19	3.5	2.26	304.3	0	1.1	1.49	148
GTR316	20111	69.	0.	0.	-69.	45.	56.	2.	7.	0.31	0.28	0.32	5.3	3.39	263.7	0	1.3	1.76	136
FCPADS	20111	40.	0.	0.	-40.	33.	16.	2.	2.	0.32	0.28	0.19	3.0	1.92	258.7	0	1.0	1.38	149
FCPADS	20111	81.	0.	0.	-81.	50.	74.	2.	9.	0.46	0.28	0.35	6.0	3.80	249.6	0	1.5	2.06	138
FCMCDS	20111	40.	0.	0.	-40.	33.	16.	2.	2.	0.32	0.28	0.18	3.2	2.03	271.7	0	1.0	1.41	148
FCMCDS	20111	103.	0.	0.	-103.	59.	102.	2.	12.	0.59	0.28	0.36	8.8	5.60	290.4	0	2.0	2.71	144

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ECS	PROCS	FUEL USE IN BTU*10**6 **COGENERATION CASE** DISTIL	RESIDL	COAL	**NOCOGEN - COGEN** DISTIL	RESIDL	COAL		POWER REQD MW	COGEN POWER MW	O&M	POWER /HEAT RATIO	FESR	CAPITAL COST *10**6	NORM COST	$/KW EQVL	ROI (%)	LEVL CHRG	NORM ENRG	WRTH
ONOCGN	20261	0.	16.	11.	0.	0.	0.		1.	0.	0.14	0.41	0.	1.0	1.00	252.1	0	0.4	1.00	80
STM141	20261	0.	18.	3.	0.	-2.	8.		1.	1.	0.22	0.41	0.24	1.9	1.96	380.5	0	0.6	1.29	141
STM141	20261	0.	1.	20.	0.	15.	-9.	F	1.	1.	0.34	0.41	0.24	3.0	3.19	617.6	0	0.8	1.72	143
STM141	20261	0.	1.	20.	0.	15.	-9.	A	1.	1.	0.29	0.41	0.24	2.9	3.05	591.4	0	0.7	1.59	140
STM088	20261	0.	17.	4.	0.	-1.	6.		1.	1.	0.21	0.41	0.19	1.6	1.65	337.1	0	0.5	1.22	134
STM088	20261	0.	1.	20.	0.	15.	-10.	F	1.	1.	0.33	0.41	0.19	2.8	2.89	587.9	0	0.7	1.65	135
STM088	20261	0.	1.	20.	0.	15.	-10.	A	1.	1.	0.28	0.41	0.19	2.7	2.84	579.6	0	0.7	1.55	133
PFBSTM	20261	0.	0.	16.	0.	16.	-9.		1.	1.	0.42	0.41	0.32	4.4	4.64	828.0	0	1.0	2.19	172
PFBSTM	20261	0.	0.	19.	0.	16.	-7.		1.	1.	0.34	0.41	0.33	4.2	4.41	771.0	0	0.9	1.95	157
TISTMT	20261	0.	18.	0.	0.	-2.	11.		1.	1.	0.40	0.41	0.32	6.2	6.53	1162.5	0	1.2	2.72	181
TISTMT	20261	0.	20.	0.	0.	-3.	15.		1.	2.	0.37	0.41	0.37	7.4	7.74	1239.7	0	1.3	2.91	179
TISTMT	20261	0.	0.	18.	0.	16.	-8.		1.	1.	0.59	0.41	0.32	8.4	8.78	1563.5	0	1.6	3.52	199
TISTMT	20261	0.	0.	20.	0.	17.	-6.		1.	2.	0.51	0.41	0.37	9.4	9.82	1573.6	0	1.6	3.58	194
TIHRSG	20261	0.	18.	5.	0.	-2.	5.		1.	1.	0.25	0.41	0.14	5.8	6.07	1221.6	0	1.0	2.33	136
TIHRSG	20261	0.	2.	21.	0.	15.	-11.		1.	1.	0.37	0.41	0.14	7.5	7.83	1576.7	0	1.3	2.97	149
STIRL	20261	20.	0.	0.	-20.	16.	11.		1.	1.	0.25	0.41	0.27	1.6	1.68	278.1	0	0.6	1.35	160
STIRL	20261	24.	0.	0.	-24.	18.	18.		1.	2.	0.19	0.41	0.33	1.6	1.67	224.0	0	0.5	1.21	151
STIRL	20261	0.	20.	0.	0.	-4.	11.		1.	1.	0.25	0.41	0.27	1.6	1.68	278.2	0	0.8	1.28	158
STIRL	20261	0.	24.	0.	0.	-6.	18.		1.	2.	0.19	0.41	0.33	1.6	1.67	224.2	0	0.5	1.11	149
STIRL	20261	0.	0.	20.	0.	16.	-9.		1.	1.	0.42	0.41	0.27	3.5	3.65	603.8	0	0.9	1.95	162
STIRL	20261	0.	0.	24.	0.	18.	-6.		1.	2.	0.31	0.41	0.33	3.2	3.32	446.0	0	0.7	1.58	148
HEGT85	20261	0.	0.	20.	0.	16.	-10.	A	1.	1.	0.45	0.41	0.25	7.5	7.80	1256.3	0	1.4	3.02	179
HEGT85	20261	0.	0.	27.	0.	19.	-6.	A	1.	3.	0.39	0.41	0.32	9.8	10.22	1221.1	0	1.5	3.38	179
HEGT60	20261	0.	0.	22.	0.	16.	-12.	A	1.	1.	0.45	0.41	0.16	7.3	7.67	1113.1	0	1.3	3.01	168
HEGT60	20261	0.	0.	29.	0.	18.	-11.	A	1.	2.	0.37	0.41	0.20	8.8	9.19	1035.4	0	1.4	3.15	162
HEGT00	20261	0.	1.	23.	0.	16.	-12.	A	1.	1.	0.27	0.41	0.13	5.5	5.80	891.9	0	1.0	2.20	134
FCMCCL	20261	0.	0.	19.	0.	18.	-9.		1.	1.	0.44	0.41	0.28	6.2	6.50	1092.1	0	1.2	2.72	176
FCMCCI	20261	0.	0.	23.	0.	18.	-6.		1.	2.	0.35	0.41	0.34	6.8	7.13	1006.6	0	1.2	2.62	167
FCSTCL	20261	0.	0.	19.	0.	16.	-8.		1.	1.	0.51	0.41	0.29	6.1	6.42	1096.8	0	1.3	2.84	181
FCSTCL	20261	0.	0.	30.	0.	22.	-0.		1.	4.	0.48	0.41	0.42	8.8	9.22	1000.7	0	1.5	3.32	183
IGGTST	20261	0.	0.	21.	0.	16.	-10.		1.	1.	0.56	0.41	0.24	6.6	6.88	1094.1	0	1.4	3.09	180
IGGTST	20261	0.	0.	28.	0.	19.	-7.		1.	3.	0.50	0.41	0.31	8.0	8.33	970.2	0	1.4	3.23	175
GTSOAR	20261	0.	20.	0.	0.	-4.	11.		1.	1.	0.24	0.41	0.25	2.2	2.33	377.6	0	0.6	1.42	154
GTSOAR	20261	0.	24.	0.	0.	-6.	17.		1.	2.	0.18	0.41	0.31	2.3	2.46	331.6	0	0.6	1.29	143
GTAC08	20261	0.	20.	0.	0.	-3.	11.		1.	1.	0.23	0.41	0.27	1.9	1.96	325.8	0	0.6	1.29	156
GTAC08	20261	0.	22.	0.	0.	-4.	14.		1.	2.	0.16	0.41	0.31	1.8	1.89	285.6	0	0.5	1.12	145
GTAC12	20261	0.	19.	0.	0.	-3.	11.		1.	1.	0.24	0.41	0.28	1.9	1.99	333.9	0	0.6	1.31	157
GTAC12	20261	0.	23.	0.	0.	-5.	17.		1.	2.	0.17	0.41	0.34	2.0	2.05	287.1	0	0.5	1.16	147
GTAC16	20261	0.	19.	0.	0.	-3.	11.		1.	1.	0.24	0.41	0.28	2.0	2.07	347.1	0	0.6	1.34	157
GTAC16	20261	0.	25.	0.	0.	-6.	19.		1.	2.	0.18	0.41	0.35	2.2	2.26	300.6	0	0.5	1.22	147
GTWC16	20261	0.	20.	0.	0.	-4.	11.		1.	1.	0.25	0.41	0.24	2.2	2.29	365.9	0	0.6	1.42	153
GTWC16	20261	0.	27.	0.	0.	-8.	21.		1.	3.	0.19	0.41	0.31	2.5	2.62	313.5	0	0.6	1.35	142
CC1626	20261	0.	20.	0.	0.	-4.	11.		1.	1.	0.32	0.41	0.24	2.3	2.43	390.5	0	0.7	1.62	157

GENERAL ELECTRIC COMPANY
COGENERATION TECHNOLOGY ALTERNATIVES STUDY
REPORT 5.2
SUMMARY OF FUEL SAVED BY TYPE & ECONOMICS

ECS	PROCS	FUEL USE IN BTU*10**6 **COGENERATION CASE** DISTIL	RESIDL	COAL	**NOCOGEN - COGEN** DISTIL	RESIDL	COAL	POWER REQD MW	COGEN POWER MW	O&M	POWER /HEAT RATIO	FESR	CAPITAL COST *10**6	NORM COST	$/KW EQVL	ROI (%)	LEVL CHRG	NORM ENRG	WRTH
CC1626	20261	0.	38.	0.	0.	-14.	37.	1.	5.	0.31	0.41	0.37	3.7	3.84	325.9	0	0.8	1.90	144
CC1622	20261	0.	20.	0.	0.	-4.	11.	1.	1.	0.31	0.41	0.26	2.2	2.27	369.9	0	0.7	1.56	158
CC1622	20261	0.	35.	0.	0.	-12.	33.	1.	4.	0.30	0.41	0.38	3.2	3.35	312.4	0	0.8	1.73	146
CC1222	20261	0.	20.	0.	0.	-4.	11.	1.	1.	0.31	0.41	0.26	2.1	2.20	359.9	0	0.7	1.54	159
CC1222	20261	0.	35.	0.	0.	-12.	33.	1.	4.	0.29	0.41	0.38	3.1	3.21	301.2	0	0.8	1.69	146
CC0822	20261	0.	19.	0.	0.	-3.	11.	1.	1.	0.31	0.41	0.28	2.2	2.31	386.9	0	0.7	1.56	160
CC0822	20261	0.	29.	0.	0.	-8.	27.	1.	3.	0.28	0.41	0.39	2.9	2.99	332.3	0	0.7	1.60	150
STIG15	20261	0.	24.	0.	0.	-8.	11.	1.	1.	0.28	0.41	0.09	2.4	2.54	338.6	0	0.7	1.61	137
STIG15	20261	0.	846.	0.	0.	-601.	776.	1.	94.	1.38	0.41	0.17	29.4	30.76	118.6	0	5.4	14.38	397
STIG10	20261	0.	23.	0.	0.	-7.	11.	1.	1.	0.27	0.41	0.13	2.3	2.39	332.3	0	0.7	1.54	141
STIG10	20261	0.	83.	0.	0.	-49.	72.	1.	9.	0.33	0.41	0.22	5.1	5.37	211.0	0	1.1	2.57	123
STIG1S	20261	0.	23.	0.	0.	-7.	11.	1.	1.	0.26	0.41	0.15	2.2	2.32	329.8	0	0.7	1.51	143
STIG1S	20261	0.	52.	0.	0.	-27.	42.	1.	5.	0.26	0.41	0.23	3.6	3.74	233.8	0	0.9	1.90	124
DEADV3	20261	0.	20.	0.	0.	-4.	11.	1.	1.	0.29	0.41	0.26	3.1	3.22	525.7	0	0.8	1.72	157
DEADV3	20261	0.	31.	0.	0.	-10.	28.	1.	3.	0.27	0.41	0.37	4.2	4.38	459.0	0	0.8	1.89	149
DEHTPM	20261	0.	19.	0.	0.	-3.	11.	1.	1.	0.31	0.41	0.30	3.0	3.17	548.2	0	0.8	1.72	162
DEHTPM	20261	0.	25.	0.	0.	-6.	22.	1.	3.	0.27	0.41	0.40	3.7	3.85	502.1	0	0.8	1.74	156
DESOA3	20261	20.	0.	0.	-20.	16.	11.	1.	1.	0.27	0.41	0.24	2.0	2.13	341.0	0	0.7	1.50	156
DESOA3	20261	32.	0.	0.	-32.	21.	28.	1.	3.	0.24	0.41	0.35	3.2	3.31	335.3	0	0.8	1.74	146
DESOA3	20261	0.	20.	0.	0.	-4.	11.	1.	1.	0.27	0.41	0.24	2.0	2.13	341.0	0	0.6	1.43	154
DESOA3	20261	0.	32.	0.	0.	-11.	28.	1.	3.	0.24	0.41	0.35	3.2	3.31	335.3	0	0.7	1.61	143
GTSOAD	20261	20.	0.	0.	-20.	16.	11.	1.	1.	0.23	0.41	0.27	1.8	1.92	318.5	0	0.6	1.37	158
GTSOAD	20261	23.	0.	0.	-23.	18.	16.	1.	2.	0.17	0.41	0.32	1.8	1.91	269.7	0	0.5	1.22	148
GTRA08	20261	20.	0.	0.	-20.	16.	11.	1.	1.	0.26	0.41	0.26	2.4	2.51	411.0	0	0.7	1.55	157
GTRA08	20261	29.	0.	0.	-29.	20.	25.	1.	3.	0.21	0.41	0.36	3.1	3.19	356.9	0	0.7	1.61	147
GTRA12	20261	20.	0.	0.	-20.	16.	11.	1.	1.	0.25	0.41	0.26	2.3	2.41	397.0	0	0.7	1.53	157
GTRA12	20261	29.	0.	0.	-29.	20.	25.	1.	3.	0.20	0.41	0.36	3.0	3.09	348.7	0	0.7	1.57	148
GTRA16	20261	20.	0.	0.	-20.	16.	11.	1.	1.	0.25	0.41	0.26	2.4	2.50	410.8	0	0.7	1.55	157
GTRA16	20261	28.	0.	0.	-28.	20.	23.	1.	3.	0.20	0.41	0.36	3.0	3.14	366.8	0	0.7	1.59	148
GTR208	20261	20.	0.	0.	-20.	16.	11.	1.	1.	0.25	0.41	0.26	2.2	2.28	374.5	0	0.7	1.48	157
GTR208	20261	26.	0.	0.	-26.	19.	20.	1.	2.	0.19	0.41	0.34	2.4	2.55	324.5	0	0.6	1.41	147
GTR212	20261	20.	0.	0.	-20.	16.	11.	1.	1.	0.25	0.41	0.26	2.2	2.35	384.6	0	0.7	1.51	157
GTR212	20261	27.	0.	0.	-27.	19.	21.	1.	3.	0.19	0.41	0.34	2.6	2.75	334.9	0	0.7	1.47	147
GTR216	20261	20.	0.	0.	-20.	16.	11.	1.	1.	0.25	0.41	0.26	2.3	2.38	391.5	0	0.7	1.51	157
GTR216	20261	27.	0.	0.	-27.	19.	22.	1.	3.	0.20	0.41	0.35	2.7	2.83	345.0	0	0.7	1.49	148
GTRW08	20261	21.	0.	0.	-21.	16.	11.	1.	1.	0.26	0.41	0.22	2.5	2.58	399.3	0	0.7	1.61	152
GTRW08	20261	36.	0.	0.	-36.	22.	30.	1.	4.	0.23	0.41	0.31	3.5	3.64	332.3	0	0.8	1.83	141
GTRW12	20261	21.	0.	0.	-21.	16.	11.	1.	1.	0.26	0.41	0.23	2.5	2.58	405.1	0	0.7	1.60	154
GTRW12	20261	36.	0.	0.	-36.	22.	31.	1.	4.	0.23	0.41	0.33	3.5	3.70	339.3	0	0.8	1.83	143
GTRW16	20261	21.	0.	0.	-21.	16.	11.	1.	1.	0.26	0.41	0.23	2.5	2.65	417.4	0	0.7	1.62	154
GTRW16	20261	34.	0.	0.	-34.	22.	29.	1.	4.	0.23	0.41	0.33	3.4	3.72	356.1	0	0.8	1.82	144
GTR308	20261	21.	0.	0.	-21.	16.	11.	1.	1.	0.25	0.41	0.21	2.2	2.33	358.5	0	0.7	1.54	151
GTR308	20261	30.	0.	0.	-30.	20.	23.	1.	3.	0.20	0.41	0.28	2.7	2.81	301.2	0	0.7	1.56	141
GTR312	20261	21.	0.	0.	-21.	16.	11.	1.	1.	0.26	0.41	0.23	2.3	2.44	384.7	0	0.7	1.58	154

DATE 06/08/79
I&SE-PEG-ADV-DES-ENGR

GENERAL ELEC. .C COMPANY
COGENERATION TECHNOLOGY ALTERNATIVES STUDY
REPORT 5.2
SUMMARY OF FUEL SAVED BY TYPE & ECONOMICS

ECS PROCS	FUEL USE IN BTU=10**6 **COGENERATION CASE** DISTIL	RESIDL	COAL	**NOCOGEN - COGEN** DISTIL	RESIDL	COAL	POWER REQD MW	COGEN POWER MW	O&M	POWER /HEAT RATIO	FESR	CAPITAL COST *10**6	NORM COST	$/KW EQVL	ROI (%)	LEVL CHRG	NORM ENRG	WRTH
GTR312 20261	32.	0.	0.	-32.	21.	26.	1.	3.	0.21	0.41	0.32	3.0	3.14	322.7	0	0.7	1.64	143
GTR316 20261	21.	0.	0.	-21.	16.	17.	1.	1.	0.26	0.41	0.23	2.4	2.53	398.0	0	0.7	1.58	154
GTR316 20261	32.	0.	0.	-32.	21.	26.	1.	3.	0.21	0.41	0.32	3.1	3.27	338.4	0	0.8	1.68	143
FCPADS 20261	20.	0.	0.	-20.	16.	11.	1.	1.	0.23	0.41	0.25	1.8	1.93	312.7	0	0.8	1.37	156
FCPADS 20261	34.	0.	0.	-34.	22.	31.	1.	4.	0.23	0.41	0.36	2.7	2.83	274.8	0	0.7	1.58	145
FCMCDS 20261	21.	0.	0.	-21.	16.	11.	1.	1.	0.23	0.41	0.23	2.0	2.10	329.3	0	0.6	1.43	153
FCMCDS 20261	47.	0.	0.	-47.	27.	47.	1.	6.	0.31	0.41	0.36	4.2	4.43	306.0	0	1.0	2.20	143

ECS	PROCS	FUEL USE IN BTU*10**6 ==COGENERATION CASE== DISTIL	RESIDL	COAL	==NOCOGEN - COGEN== DISTIL	RESIDL	COAL		POWER REQD MW	COGEN POWER MW	O&M	POWER /HEAT RATIO	FESR	CAPITAL COST *10**6	NORM COST	$/KW EQVL	ROI (%)	LEVL CHRG	NORM ENRG	WRTH
GNOCGN	20461	0.	845.	234.	0.	0.	0.		29.	0.	1.00	0.15	0.	22.4	1.00	98.8	0	29.2	1.00	80
STM141	20461	0.	890.	0.	0.	-45.	234.		29.	29.	1.57	0.15	0.18	29.6	1.32	113.3	27	26.1	0.89	143
STM141	20461	0.	1008.	0.	0.	-91.	477.		29.	58.	1.29	0.15	0.28	28.1	1.25	95.0	47	24.0	0.82	138
STM141	20461	0.	0.	890.	0.	845.	-656.	F	29.	29.	3.04	0.15	0.18	51.9	2.31	199.0	20	21.1	0.72	127
STM141	20461	0.	0.	1008.	0.	918.	-532.	F	29.	58.	2.90	0.15	0.28	59.0	2.63	199.7	21	18.8	0.64	119
STM141	20461	0.	0.	890.	0.	845.	-656.	A	29.	29.	2.83	0.15	0.18	43.4	1.94	166.6	28	19.9	0.68	129
STM141	20461	0.	0.	1008.	0.	918.	-532.	A	29.	58.	2.57	0.15	0.28	41.9	1.86	141.4	37	16.6	0.57	123
STM088	20461	0.	890.	0.	0.	-45.	234.		29.	29.	1.44	0.15	0.18	24.9	1.11	95.5	64	25.5	0.87	146
STM088	20461	0.	959.	0.	0.	-72.	376.		29.	46.	1.23	0.15	0.24	25.8	1.15	91.8	64	24.4	0.84	139
STM088	20461	0.	0.	890.	0.	845.	-656.	F	29.	29.	2.98	0.15	0.18	51.1	2.28	196.0	21	20.9	0.72	127
STM088	20461	0.	0.	959.	0.	888.	-583.	F	29.	46.	2.73	0.15	0.24	55.5	2.47	197.4	21	19.5	0.67	119
STM088	20461	0.	0.	890.	0.	845.	-656.	A	29.	29.	2.80	0.15	0.18	42.0	1.87	161.1	30	19.8	0.68	130
STM088	20461	0.	0.	959.	0.	888.	-583.	A	29.	46.	2.49	0.15	0.24	40.5	1.80	144.1	37	17.6	0.60	123
PFBSTM	20461	0.	0.	891.	0.	845.	-657.		29.	29.	3.40	0.15	0.17	52.3	2.33	200.4	20	21.5	0.74	127
PFBSTM	20461	0.	0.	1118.	0.	982.	-427.		29.	84.	4.23	0.15	0.33	58.6	2.61	178.7	22	17.7	0.60	117
TISTMT	20461	0.	892.	0.	0.	-47.	234.		29.	29.	2.56	0.15	0.17	69.3	3.09	265.1	0	31.5	1.08	131
TISTMT	20461	0.	1220.	0.	0.	-179.	890.		29.	108.	4.45	0.15	0.37	150.9	6.73	422.0	0	37.9	1.30	121
TISTMT	20461	0.	0.	892.	0.	845.	-658.		29.	29.	4.09	0.15	0.17	95.5	4.25	365.0	7	26.9	0.92	123
TISTMT	20461	0.	0.	1220.	0.	1041.	-331.		29.	108.	6.28	0.15	0.37	189.7	8.45	530.4	4	31.6	1.08	114
TIHRSG	20461	0.	915.	0.	0.	-70.	234.		29.	29.	3.14	0.15	0.15	97.4	4.34	363.2	0	35.4	1.21	127
TIHRSG	20461	0.	971.	0.	0.	-98.	329.		29.	40.	3.46	0.15	0.19	119.8	5.34	420.7	0	37.7	1.29	120
TIHRSG	20461	0.	0.	915.	0.	845.	-681.		29.	29.	4.89	0.15	0.15	132.0	5.88	492.3	3	31.9	1.09	121
TIHRSG	20461	0.	0.	971.	0.	874.	-642.		29.	40.	5.05	0.15	0.19	152.7	6.80	536.4	2	33.3	1.14	114
STIRL	20461	940.	0.	0.	-940.	845.	234.		29.	29.	1.74	0.15	0.13	38.3	1.71	139.2	0	33.5	1.14	137
STIRL	20461	1457.	0.	0.	-1457.	1065.	969.		29.	118.	2.54	0.15	0.28	75.9	3.38	177.8	0	39.8	1.36	117
STIRL	20461	0.	940.	0.	0.	-95.	234.		29.	29.	1.74	0.15	0.13	38.4	1.71	139.3	9	28.4	0.97	133
STIRL	20461	0.	1457.	0.	0.	-392.	969.		29.	118.	2.55	0.15	0.28	76.0	3.39	178.1	0	31.9	1.09	110
STIRL	20461	0.	0.	940.	0.	845.	-706.		29.	29.	3.30	0.15	0.13	64.4	2.87	233.9	14	23.2	0.79	119
STIRL	20461	0.	0.	1457.	0.	1065.	-488.		29.	118.	5.05	0.15	0.28	134.1	5.98	314.1	7	25.8	0.89	99
HEGT85	20461	0.	0.	981.	0.	845.	-747.	A	29.	29.	3.51	0.15	0.09	81.5	3.63	283.5	9	26.1	0.89	114
HEGT85	20461	0.	0.	2424.	0.	1335.	-552.	A	29.	228.	8.43	0.15	0.24	233.6	10.41	328.7	1	37.1	1.27	86
HEGTSG	20461	0.	0.	983.	0.	845.	-749.	A	29.	29.	3.58	0.15	0.09	79.3	3.53	275.2	9	25.9	0.88	114
HEGT60	20461	0.	0.	1734.	0.	1098.	-654.	A	29.	132.	5.89	0.15	0.20	156.6	6.98	308.2	4	31.3	1.07	89
HEGT00	20461	0.	0.	991.	0.	845.	-757.	A	29.	29.	3.55	0.15	0.08	76.3	3.40	262.7	10	25.6	0.88	113
HEGT00	20461	0.	0.	1271.	0.	936.	-733.	A	29.	66.	4.03	0.15	0.14	99.5	4.44	267.3	7	26.9	0.92	99
FCMCCL	20461	0.	0.	916.	0.	845.	-682.		29.	29.	3.85	0.15	0.15	75.2	3.35	280.0	10	25.0	0.85	121
FCMCCL	20461	0.	0.	1386.	0.	1078.	-372.		29.	123.	6.56	0.15	0.34	125.4	5.59	308.9	7	25.3	0.87	104
FCSTCL	20461	0.	0.	909.	0.	845.	-675.		29.	29.	3.74	0.15	0.16	72.3	3.22	271.1	11	24.4	0.84	122
FCSTCL	20461	0.	0.	1800.	0.	1310.	-11.		29.	218.	8.55	0.15	0.42	163.2	7.27	309.4	8	22.9	0.78	99
IGGTST	20461	0.	0.	940.	0.	845.	-706.		29.	29.	3.31	0.15	0.13	69.0	3.07	250.3	12	24.1	0.82	119
IGGTST	20461	0.	0.	1679.	0.	1158.	-396.		29.	156.	4.25	0.15	0.31	128.9	5.75	262.1	9	22.5	0.77	93
GTSOAR	20461	0.	931.	0.	0.	-86.	234.		29.	29.	1.52	0.15	0.14	32.2	1.43	118.0	17	27.3	0.93	137
GTSOAR	20461	0.	1449.	0.	0.	-371.	1011.		29.	123.	1.82	0.15	0.31	51.5	2.30	121.3	9	27.6	0.95	114

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SUMMARY OF FUEL SAVED BY TYPE & ECONOMICS

		----------FUEL USE IN BTU=10**6----------																
		COGENERATION CASE			**NOCOGEN - COGEN**			POWER	COGEN	O&M	POWER	FESR	CAPITAL	NORM	$/KW	ROI	LEVL	NORM WRTH
ECS	PROCS	DISTIL	RESIDL	COAL	DISTIL	RESIDL	COAL	REQD MW	POWER MW		/HEAT RATIO		COST *10**6	COST	EQVL	(%)	CHRG	ENRG
GTAC08	20461	0.	920.	0.	0.	-75.	234.	29.	29.	1.48	0.15	0.15	30.4	1.36	112.9	22	26.8	0.92 139
GTAC08	20461	0.	1296.	0.	0.	-269.	842.	29.	103.	1.50	0.15	0.31	39.2	1.75	103.3	18	25.5	0.87 123
GTAC12	20461	0.	917.	0.	0.	-72.	234.	29.	29.	1.49	0.15	0.15	31.0	1.38	115.5	21	26.8	0.92 139
GTAC12	20461	0.	1395.	0.	0.	-314.	1023.	29.	125.	1.68	0.15	0.34	46.2	2.06	113.1	15	25.4	0.87 118
GTAC16	20461	0.	917.	0.	0.	-72.	234.	29.	29.	1.50	0.15	0.15	31.8	1.42	118.4	20	26.9	0.92 138
GTAC16	20461	0.	1468.	0.	0.	-352.	1141.	29.	139.	1.93	0.15	0.35	55.7	2.48	129.5	11	26.2	0.90 114
GTWC16	20461	0.	938.	0.	0.	-92.	234.	29.	29.	1.51	0.15	0.13	31.7	1.41	115.5	17	27.4	0.94 137
GTWC16	20461	0.	1634.	0.	0.	-489.	1238.	29.	151.	1.80	0.15	0.31	49.6	2.21	103.6	9	27.6	0.95 111
CC1626	20461	0.	936.	0.	0.	-91.	234.	29.	29.	1.61	0.15	0.13	32.0	1.42	116.6	15	27.5	0.94 137
CC1626	20461	0.	2302.	0.	0.	-853.	2223.	29.	271.	2.76	0.15	0.37	78.3	3.49	116.1	4	29.6	1.01 104
CC1622	20461	0.	929.	0.	0.	-84.	234.	29.	29.	1.60	0.15	0.14	31.9	1.42	117.2	16	27.4	0.94 137
CC1622	20461	0.	2095.	0.	0.	-721.	2005.	29.	244.	2.71	0.15	0.38	79.2	3.53	129.0	6	28.7	0.98 105
CC1222	20461	0.	928.	0.	0.	-83.	234.	29.	29.	1.59	0.15	0.14	31.3	1.40	115.1	17	27.3	0.93 138
CC1222	20461	0.	2082.	0.	0.	-708.	2003.	29.	244.	2.53	0.15	0.30	74.2	3.31	121.7	7	27.8	0.95 105
CC0822	20461	0.	918.	0.	0.	-72.	234.	29.	29.	1.59	0.15	0.15	31.2	1.39	115.9	19	27.0	0.92 139
CC0822	20461	0.	1759.	0.	0.	-501.	1619.	29.	197.	2.26	0.15	0.39	61.2	2.73	118.7	11	25.4	0.87 110
STI615	20461	0.	1027.	0.	0.	-181.	234.	29.	29.	1.79	0.15	0.05	35.4	1.58	117.6	0	30.2	1.03 126
STI615	20461	0.	50692.	0.	0.	-36035.	46474.	29.	5661.	73.68	0.15	0.17	1371.1	61.10	92.3	0	577.1	19.75 531
STI610	20461	0.	1004.	0.	0.	-159.	234.	29.	29.	1.71	0.15	0.07	34.4	1.53	117.0	3	29.4	1.01 129
STI610	20461	0.	4974.	0.	0.	-2915.	4298.	29.	523.	6.80	0.15	0.22	145.3	6.48	99.7	0	66.1	2.26 107
STI615	20461	0.	993.	0.	0.	-148.	234.	29.	29.	1.63	0.15	0.08	30.7	1.37	105.6	9	28.7	0.98 132
STI615	20461	0.	3126.	0.	0.	-1598.	2522.	29.	307.	4.45	0.15	0.23	91.2	4.07	99.6	0	46.7	1.60 98
DEADV3	20461	0.	959.	0.	0.	-114.	234.	29.	29.	1.79	0.15	0.11	41.0	1.83	145.9	5	29.2	1.00 130
DEADV3	20461	0.	2594.	0.	0.	-1127.	2316.	29.	282.	5.36	0.15	0.31	182.6	8.15	140.2	0	48.3	1.65 104
DEHTPM	20461	0.	904.	0.	0.	-59.	234.	29.	29.	1.82	0.15	0.16	40.3	1.79	132.0	10	27.0	0.95 136
DEHTPM	20461	0.	1499.	0.	0.	-331.	1317.	29.	160.	3.45	0.15	0.40	107.7	4.80	245.1	3	30.7	1.05 112
DESOA3	20461	975.	0.	0.	-975.	845.	234.	29.	29.	1.91	0.15	0.10	45.7	2.03	159.8	0	35.4	1.21 132
DESOA3	20461	2995.	0.	0.	-2995.	1552.	2601.	29.	317.	7.19	0.15	0.28	254.2	11.33	289.6	0	78.2	2.68 123
DESOA3	20461	0.	975.	0.	0.	-130.	234.	29.	29.	1.91	0.15	0.10	45.7	2.03	159.8	1	30.1	1.03 127
DESOA3	20461	0.	2995.	0.	0.	-1442.	2601.	29.	317.	7.19	0.15	0.28	254.2	11.33	289.6	0	62.0	2.12 109
GTSOAD	20461	922.	0.	0.	-922.	845.	234.	29.	29.	1.46	0.15	0.15	29.8	1.33	110.3	0	31.7	1.09 144
GTSOAD	20461	1384.	0.	0.	-1384.	1066.	972.	29.	118.	1.53	0.15	0.32	40.1	1.79	99.0	0	32.8	1.12 126
GTRA08	20461	927.	0.	0.	-927.	845.	234.	29.	29.	1.53	0.15	0.14	33.1	1.47	121.7	0	32.3	1.11 141
GTRA08	20461	1750.	0.	0.	-1750.	1224.	1503.	29.	183.	2.35	0.15	0.36	71.0	3.17	138.5	0	37.8	1.29 116
GTRA12	20461	925.	0.	0.	-925.	845.	234.	29.	29.	1.54	0.15	0.14	33.3	1.48	122.7	0	32.3	1.10 141
GTRA12	20461	1730.	0.	0.	-1730.	1220.	1490.	29.	182.	2.33	0.15	0.36	70.3	3.13	138.7	0	37.3	1.28 116
GTRA16	20461	925.	0.	0.	-925.	845.	234.	29.	29.	1.56	0.15	0.14	34.0	1.52	125.6	0	32.4	1.11 141
GTRA16	20461	1675.	0.	0.	-1675.	1196.	1407.	29.	171.	2.35	0.15	0.36	71.3	3.18	145.2	0	37.4	1.28 116
GTR208	20461	926.	0.	0.	-926.	845.	234.	29.	29.	1.51	0.15	0.14	32.0	1.43	118.1	0	32.1	1.10 142
GTR208	20461	1538.	0.	0.	-1538.	1129.	1184.	29.	144.	1.95	0.15	0.34	56.1	2.50	124.6	0	35.5	1.22 119
GTR212	20461	927.	0.	0.	-927.	845.	234.	29.	29.	1.52	0.15	0.14	32.6	1.45	119.9	0	32.3	1.10 141
GTR212	20461	1603.	0.	0.	-1603.	1155.	1273.	29.	155.	2.07	0.15	0.34	60.7	2.71	129.3	0	36.4	1.24 118
GTR216	20461	924.	0.	0.	-924.	845.	234.	29.	29.	1.54	0.15	0.14	33.2	1.48	122.7	0	32.3	1.10 141
GTR216	20461	1605.	0.	0.	-1605.	1164.	1301.	29.	158.	2.18	0.15	0.35	65.0	2.90	138.2	0	36.5	1.25 117

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SUMMARY OF FUEL SAVED BY TYPE & ECONOMICS

ECS	PROCS	FUEL USE IN BTU*10**6 — **COGENERATION CASE** DISTIL	RESIDL	COAL	**NOCOGEN - COGEN** DISTIL	RESIDL	COAL	POWER REQD MW	COGEN POWER MW	O&M	POWER /HEAT RATIO	FESR	CAPITAL COST *10**6	NORM COST	$/KW EQVL	ROI (%)	LEVL CHRG	NORM ENRG	WRTH
GTRW08	20461	952.	0.	0.	-952.	845.	234.	29.	29.	1.53	0.15	0.12	32.9	1.47	118.0	0	33.0	1.13	139
GTRW08	20461	2143.	0.	0.	-2143.	1316.	1810.	29.	220.	2.44	0.15	0.31	73.0	3.25	116.3	0	44.0	1.50	112
GTRW12	20461	945.	0.	0.	-945.	845.	234.	29.	29.	1.53	0.15	0.12	32.9	1.47	118.8	0	32.6	1.12	140
GTRW12	20461	2132.	0.	0.	-2132.	1333.	1868.	29.	227.	2.47	0.15	0.33	74.3	3.31	118.9	0	42.7	1.46	113
GTRW16	20461	944.	0.	0.	-944.	845.	234.	29.	29.	1.55	0.15	0.12	33.4	1.49	120.9	0	32.9	1.12	139
GTRW16	20461	2042.	0.	0.	-2042.	1299.	1754.	29.	214.	2.46	0.15	0.33	74.2	3.31	124.0	0	42.2	1.44	113
GTR308	20461	956.	0.	0.	-956.	845.	234.	29.	29.	1.52	0.15	0.11	32.1	1.43	114.5	0	33.0	1.13	139
GTR308	20461	1826.	0.	0.	-1826.	1102.	1362.	29.	166.	2.07	0.15	0.28	59.5	2.65	111.2	0	41.1	1.41	113
GTR312	20461	944.	0.	0.	-944.	845.	234.	29.	29.	1.51	0.15	0.13	32.1	1.43	116.1	0	32.7	1.12	140
GTR312	20461	1899.	0.	0.	-1899.	1242.	1563.	29.	190.	2.19	0.15	0.32	63.9	2.85	114.8	0	40.2	1.37	114
GTR316	20461	944.	0.	0.	-944.	845.	234.	29.	29.	1.53	0.15	0.12	32.7	1.46	116.3	0	32.8	1.12	140
GTR316	20461	1888.	0.	0.	-1888.	1235.	1540.	29.	188.	2.24	0.15	0.32	65.9	2.94	119.2	0	40.5	1.39	114
FCPADS	20461	980.	0.	0.	-980.	845.	234.	29.	29.	3.73	0.15	0.09	42.7	1.90	148.7	0	37.1	1.27	134
FCPADS	20461	3876.	0.	0.	-3876.	1834.	3545.	29.	432.	38.13	0.15	0.28	244.7	10.91	215.4	0	116.6	3.99	155
FCMCDS	20461	947.	0.	0.	-947.	845.	234.	29.	29.	3.59	0.15	0.12	43.9	1.96	158.2	0	36.1	1.23	136
FCMCDS	20461	2828.	0.	0.	-2828.	1613.	2804.	29.	342.	28.67	0.15	0.36	210.2	9.37	253.7	0	86.4	2.96	140

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SUMMARY OF FUEL SAVED BY TYPE & ECONOMICS

ECS	PROCS	FUEL USE IN BTU*10**6 — **COGENERATION CASE** DISTIL	RESIDL	COAL	**NOCOGEN - COGEN** DISTIL	RESIDL	COAL		POWER REQD MW	COGEN POWER MW	O&M	POWER /HEAT RATIO	FESR	CAPITAL COST *10**6	NORM COST	$/KW EQVL	ROI (%)	LEVL CHRG	NORM ENRG	WRTH
ONOCGN	20631	0.	289.	39.	0.	0.	0.		5.	0.	0.64	0.05	0.	12.3	1.00	118.1	0	5.3	1.00	80
STM141	20631	0.	297.	0.	0.	-7.	39.		5.	5.	0.89	0.05	0.10	11.7	0.96	107.1	999	5.2	0.98	143
STM141	20631	0.	384.	0.	0.	-41.	218.		5.	27.	0.87	0.05	0.31	16.3	1.33	120.4	7	5.1	0.97	121
STM141	20631	0.	0.	297.	0.	289.	-258.	F	5.	5.	1.67	0.05	0.10	26.6	2.17	243.1	0	6.3	1.19	130
STM141	20631	0.	0.	384.	0.	343.	-166.	F	5.	27.	1.53	0.05	0.31	29.2	2.38	216.4	4	5.6	1.05	111
STM141	20631	0.	0.	297.	0.	289.	-258.	A	5.	5.	1.57	0.05	0.10	25.1	2.05	229.3	0	6.0	1.15	130
STM141	20631	0.	0.	384.	0.	343.	-166.	A	5.	27.	1.27	0.05	0.31	21.3	1.73	157.5	11	4.4	0.84	112
STM088	20631	0.	297.	0.	0.	-7.	39.		5.	5.	0.89	0.05	0.10	11.5	0.94	105.3	999	5.2	0.98	143
STM088	20631	0.	362.	0.	0.	-33.	172.		5.	21.	0.83	0.05	0.28	14.7	1.20	114.7	10	5.1	0.96	124
STM088	20631	0.	0.	297.	0.	289.	-258.	F	5.	5.	1.68	0.05	0.10	26.6	2.17	243.0	0	6.3	1.20	130
STM088	20631	0.	0.	362.	0.	329.	-190.	F	5.	21.	1.46	0.05	0.28	27.2	2.22	211.9	4	5.5	1.04	113
STM088	20631	0.	0.	297.	0.	289.	-258.	A	5.	5.	1.58	0.05	0.10	25.0	2.04	228.5	0	6.0	1.15	130
STM088	20631	0.	0.	362.	0.	329.	-190.	A	5.	21.	1.23	0.05	0.28	20.3	1.66	158.0	11	4.5	0.86	114
PFBSTM	20631	0.	0.	297.	0.	289.	-258.		5.	5.	1.61	0.05	0.09	26.3	2.15	240.8	0	6.2	1.18	129
PFBSTM	20631	0.	0.	434.	0.	372.	-118.		5.	38.	1.86	0.05	0.37	34.8	2.84	232.4	2	6.0	1.14	111
TISTMT	20631	0.	297.	0.	0.	-8.	39.		5.	5.	1.13	0.05	0.09	22.2	1.82	203.3	0	6.6	1.24	134
TISTMT	20631	0.	437.	0.	0.	-64.	319.		5.	39.	2.48	0.05	0.37	72.4	5.91	480.9	0	12.6	2.38	133
TISTMT	20631	0.	0.	297.	0.	289.	-258.		5.	5.	1.87	0.05	0.09	36.1	2.95	329.8	0	7.5	1.43	130
TISTMT	20631	0.	0.	481.	0.	339.	-75.		5.	50.	3.50	0.05	0.40	105.9	8.64	648.2	0	14.9	2.83	144
TIHRSG	20631	0.	301.	0.	0.	-11.	39.		5.	5.	1.26	0.05	0.08	29.5	2.41	267.4	0	7.4	1.41	132
TIHRSG	20631	0.	348.	0.	0.	-35.	118.		5.	14.	1.97	0.05	0.19	57.8	4.72	464.6	0	11.0	2.08	127
TIHRSG	20631	0.	0.	301.	0.	289.	-262.		5.	5.	2.09	0.05	0.08	46.3	3.78	419.3	0	8.9	1.68	132
TIHRSG	20631	0.	0.	367.	0.	323.	-217.		5.	18.	2.79	0.05	0.22	85.1	6.94	654.3	0	13.3	2.52	132
STIRL	20631	305.	0.	0.	-305.	289.	39.		5.	5.	0.89	0.05	0.07	14.3	1.17	126.0	0	6.2	1.18	139
STIRL	20631	522.	0.	0.	-522.	381.	347.		5.	42.	1.44	0.05	0.28	31.4	2.56	178.9	0	8.8	1.68	115
STIRL	20631	0.	305.	0.	0.	-16.	39.		5.	5.	0.89	0.05	0.07	14.3	1.17	128.0	0	5.5	1.04	136
STIRL	20631	0.	522.	0.	0.	-141.	347.		5.	42.	1.44	0.05	0.28	31.4	2.56	179.2	0	7.6	1.45	109
STIRL	20631	0.	0.	305.	0.	269.	-266.		5.	5.	1.59	0.05	0.07	26.9	2.20	241.2	0	6.2	1.18	126
STIRL	20631	0.	0.	509.	0.	410.	-146.		5.	54.	2.43	0.05	0.31	62.4	5.09	320.0	0	9.3	1.77	109
HEGTOS	20631	0.	0.	312.	0.	289.	-273.	A	5.	5.	1.62	0.05	0.05	32.9	2.68	289.1	0	7.0	1.33	124
HEGTOS	20631	0.	0.	1031.	0.	533.	-176.	A	5.	104.	4.24	0.05	0.26	133.9	10.93	412.8	0	18.4	3.49	140
HEGTSO	20631	0.	0.	312.	0.	289.	-273.	A	5.	5.	1.62	0.05	0.05	32.5	2.65	285.4	0	7.0	1.32	124
HEGTSO	20631	0.	0.	716.	0.	425.	-222.	A	5.	60.	2.98	0.05	0.22	90.0	7.35	387.9	0	13.4	2.53	114
HEGTOO	20631	0.	0.	313.	0.	289.	-275.	A	5.	5.	1.63	0.05	0.04	32.0	2.61	280.0	0	6.9	1.32	123
HEGTOO	20631	0.	0.	504.	0.	351.	-258.	A	5.	30.	2.04	0.05	0.16	57.2	4.67	336.0	0	9.6	1.81	98
FCNCCL	20631	0.	0.	377.	0.	269.	-339.		5.	5.	1.69	0.05	-0.15	33.4	2.73	302.2	0	7.6	1.45	101
FCNCCL	20631	0.	0.	633.	0.	416.	-170.		5.	56.	2.81	0.05	0.28	70.9	5.79	382.3	0	11.1	2.10	113
FCSTCL	20631	0.	0.	376.	0.	289.	-338.		5.	5.	1.72	0.05	-0.15	32.5	2.65	294.4	0	7.5	1.43	102
FCSTCL	20631	0.	0.	822.	0.	522.	-5.		5.	100.	3.67	0.05	0.39	92.1	7.52	382.4	0	12.6	2.39	131
IGGTST	20631	0.	0.	381.	0.	289.	-343.		5.	5.	1.75	0.05	-0.16	31.6	2.58	282.8	0	7.5	1.42	100
IGGTST	20631	0.	0.	767.	0.	453.	-181.		5.	71.	2.60	0.05	0.26	71.5	5.83	318.0	0	10.7	2.04	108
GTSOAR	20631	0.	303.	0.	0.	-14.	39.		5.	5.	0.84	0.05	0.07	13.7	1.12	122.9	0	5.4	1.02	137
GTSOAR	20631	0.	519.	0.	0.	-133.	362.		5.	44.	1.16	0.05	0.31	23.5	1.92	134.5	0	6.4	1.21	111

DATE ..
CASE ...-ADV-DES ...

COGENERATION TECHNOLOGY ALTERNATIVES STUDY
REPORT 5.2
SUMMARY OF FUEL SAVED BY TYPE & ECONOMICS

ECS	PROCS	FUEL USE IN BTU*10**6: **COGENERATION CASE** DISTIL	RESIDL	COAL	**NOCOGEN - COGEN** DISTIL	RESIDL	COAL	POWER REQD MW	COGEN POWER MW	O&M	POWER /HEAT RATIO	FESR	CAPITAL COST *10**6	NORM COST	$/KW EGVL	ROI (%)	LEVL CHRG	NORM ENRG	WRTH
GTAC08	20631	0.	301.	0.	0.	-12.	39.	5.	5.	0.82	0.05	0.08	13.1	1.07	118.4	4	5.3	1.00	138
GTAC08	20631	0.	464.	0.	0.	-96.	301.	5.	37.	1.05	0.05	0.31	19.6	1.60	123.9	0	5.8	1.10	113
GTAC12	20631	0.	301.	0.	0.	-12.	39.	5.	5.	0.82	0.05	0.08	13.1	1.07	118.3	5	5.3	1.00	139
GTAC12	20631	0.	499.	0.	0.	-112.	367.	5.	45.	1.13	0.05	0.34	22.3	1.82	132.2	0	6.0	1.14	114
GTAC16	20531	0.	301.	0.	0.	-12.	33.	5.	5.	0.82	0.05	0.08	13.2	1.08	119.6	4	5.3	1.00	138
GTAC16	20631	0.	526.	0.	0.	-126.	409.	5.	50.	1.20	0.05	0.35	24.8	2.02	140.4	0	6.3	1.19	114
GTWC16	20631	0.	304.	0.	0.	-15.	39.	5.	5.	0.83	0.05	0.07	13.5	1.10	121.0	0	5.4	1.02	137
GTWC16	20631	0.	585.	0.	0.	-175.	443.	5.	54.	1.22	0.05	0.31	24.9	2.04	128.7	0	6.6	1.26	111
CC1626	20631	0.	304.	0.	0.	-15.	33.	5.	5.	0.89	0.05	0.07	13.4	1.09	120.1	0	5.4	1.03	138
CC1626	20631	0.	824.	0.	0.	-309.	796.	5.	97.	1.64	0.05	0.37	35.0	2.86	132.5	0	7.9	1.49	117
CC1622	20631	0.	303.	0.	0.	-14.	39.	5.	5.	0.89	0.05	0.08	13.1	1.07	118.2	0	5.4	1.02	138
CC1622	20631	0.	750.	0.	0.	-258.	718.	5.	87.	1.61	0.05	0.38	34.6	2.82	142.6	0	7.6	1.45	117
CC1222	20631	0.	303.	0.	0.	-14.	39.	5.	5.	0.88	0.05	0.08	13.0	1.06	117.0	0	5.4	1.02	139
CC1222	20631	0.	746.	0.	0.	-254.	717.	5.	87.	1.58	0.05	0.38	32.9	2.69	136.7	0	7.4	1.40	117
CC0822	20531	0.	301.	0.	0.	-12.	39.	5.	5.	0.89	0.05	0.08	13.2	1.08	119.2	0	5.4	1.02	139
CC0822	20531	0.	630.	0.	0.	-179.	580.	5.	71.	1.43	0.05	0.39	28.1	2.29	135.8	0	6.6	1.26	117
STIG15	20631	0.	319.	0.	0.	-30.	39.	5.	5.	0.91	0.05	0.03	16.3	1.33	140.2	0	5.9	1.11	129
STIG15	20631	0.	18154.	0.	0.	-12905.	16643.	5.	2027.	20.00	0.05	0.17	510.6	41.68	95.6	0	128.0	24.28	644
STIG10	20531	0.	315.	0.	0.	-26.	39.	5.	5.	0.83	0.05	0.04	13.1	1.07	113.8	0	5.4	1.03	134
STIG10	20631	0.	1781.	0.	0.	-1044.	1539.	5.	187.	2.56	0.05	0.22	56.7	4.63	104.2	0	14.9	2.82	125
STIG1S	20631	0.	314.	0.	0.	-24.	33.	5.	5.	0.83	0.05	0.04	13.0	1.06	113.8	0	5.4	1.02	135
STIG15	20631	0.	1120.	0.	0.	-572.	903.	5.	110.	1.90	0.05	0.23	39.1	3.20	111.7	0	10.5	2.02	111
DEADV3	20631	0.	308.	0.	0.	-19.	39.	5.	5.	0.92	0.05	0.06	16.3	1.33	145.0	0	5.8	1.10	133
DEADV3	20631	0.	929.	0.	0.	-404.	829.	5.	101.	2.51	0.05	0.31	70.2	5.73	238.3	0	13.2	2.50	126
DEHHTT	20631	0.	299.	0.	0.	-10.	39.	5.	5.	0.95	0.05	0.09	16.2	1.32	147.4	0	5.7	1.08	136
DEHHTT	20631	0.	537.	0.	0.	-118.	472.	5.	57.	1.80	0.05	0.40	42.8	3.50	230.3	0	8.4	1.59	120
DESOA3	20631	311.	0.	0.	-311.	289.	39.	5.	5.	0.91	0.05	0.05	15.5	1.27	136.8	0	6.4	1.22	136
DESOA3	20631	1072.	0.	0.	-1072.	553.	932.	5.	113.	3.19	0.05	0.28	96.0	7.84	285.3	0	19.7	3.73	150
DESOA3	20631	0.	311.	0.	0.	-21.	39.	5.	5.	0.91	0.05	0.05	15.5	1.27	136.8	0	5.7	1.08	133
DESOA3	20631	0.	1072.	0.	0.	-517.	932.	5.	113.	3.19	0.05	0.28	96.0	7.84	285.3	0	17.2	3.26	139
GTSOAD	20631	302.	0.	0.	-302.	289.	39.	5.	5.	0.82	0.05	0.03	12.9	1.05	116.3	0	5.9	1.13	142
GTSOAD	20631	496.	0.	0.	-496.	382.	349.	5.	42.	1.07	0.05	0.32	20.0	1.63	119.1	0	6.9	1.31	119
GTRA08	20631	303.	0.	0.	-303.	289.	39.	5.	5.	0.83	0.05	0.08	13.8	1.13	124.5	0	6.1	1.16	140
GTRA08	20631	627.	0.	0.	-627.	438.	538.	5.	66.	1.40	0.05	0.36	32.0	2.62	155.5	0	8.7	1.65	121
GTRA12	20531	302.	0.	0.	-302.	289.	39.	5.	5.	0.83	0.05	0.08	13.8	1.12	123.9	0	6.1	1.15	141
GTRA12	20631	620.	0.	0.	-620.	437.	534.	5.	65.	1.37	0.05	0.36	30.7	2.51	150.5	0	8.4	1.60	121
GTRA16	20631	302.	0.	0.	-302.	289.	39.	5.	5.	0.84	0.05	0.08	14.0	1.14	125.9	0	6.1	1.15	140
GTRA16	20531	600.	0.	0.	-600.	428.	504.	5.	61.	1.37	0.05	0.36	31.1	2.54	156.8	0	8.5	1.61	120
GTR208	20531	303.	0.	0.	-303.	289.	39.	5.	5.	0.83	0.05	0.08	13.5	1.10	121.7	0	6.0	1.14	141
GTR208	20631	551.	0.	0.	-551.	404.	424.	5.	52.	1.22	0.05	0.34	25.2	2.06	137.0	0	7.7	1.46	118
GTR212	20631	303.	0.	0.	-303.	289.	39.	5.	5.	0.83	0.05	0.08	13.6	1.11	122.8	0	6.1	1.16	141
GTR212	20631	574.	0.	0.	-574.	414.	456.	5.	56.	1.27	0.05	0.34	27.0	2.20	141.6	0	8.0	1.52	119
GTR216	20631	302.	0.	0.	-302.	289.	39.	5.	5.	0.83	0.05	0.08	13.7	1.12	123.8	0	6.1	1.15	141
GTR216	20531	575.	0.	0.	-575.	417.	465.	5.	57.	1.31	0.05	0.35	28.6	2.33	149.7	0	8.1	1.54	119

		----------FUEL USE IN BTU*10**6----------																
		COGENERATION CASE			**NOCOGEN -	COGEN**		POWER	COGEN	O&M	POWER	FESR	CAPITAL	NORM	$/KW	ROI	LEVL	NORM WRTH
ECS	PROCS	DISTIL	RESIDL	COAL	DISTIL	RESIDL	COAL	REQD MW	POWER MW		/HEAT RATIO		COST *10**6	COST	EQVL	(%)	CHRG	ENRG
GTRW08	20631	307.	0.	0.	-307.	269.	39.	5.	5.	0.84	0.05	0.06	13.9	1.13	123.7	0	6.1	1.16 139
GTRW08	20631	767.	0.	0.	-767.	471.	648.	5.	79.	1.44	0.05	0.31	32.2	2.63	130.3	0	9.6	1.83 120
GTRW12	20631	306.	0.	0.	-306.	269.	39.	5.	5.	0.83	0.05	0.07	13.9	1.13	124.0	0	6.1	1.16 139
GTRW12	20631	764.	0.	0.	-764.	477.	669.	5.	81.	1.45	0.05	0.33	32.7	2.67	133.0	0	9.5	1.80 121
GTRW16	20631	306.	0.	0.	-306.	269.	39.	5.	5.	0.84	0.05	0.07	14.1	1.15	125.7	0	6.1	1.16 139
GTRW16	20631	731.	0.	0.	-731.	465.	628.	5.	77.	1.44	0.05	0.33	32.7	2.67	138.2	0	9.4	1.78 120
GTR308	20631	307.	0.	0.	-307.	269.	39.	5.	5.	0.83	0.05	0.06	13.6	1.11	120.6	0	6.1	1.16 139
GTR308	20631	654.	0.	0.	-654.	423.	488.	5.	59.	1.28	0.05	0.28	26.7	2.18	124.9	0	8.7	1.65 115
GTR312	20631	305.	0.	0.	-305.	269.	39.	5.	5.	0.83	0.05	0.07	13.6	1.11	122.0	0	6.1	1.15 140
GTR312	20631	680.	0.	0.	-680.	445.	560.	5.	68.	1.33	0.05	0.32	28.5	2.33	128.6	0	8.7	1.66 119
GTR316	20631	306.	0.	0.	-306.	269.	39.	5.	5.	0.84	0.05	0.07	13.8	1.13	123.7	0	6.1	1.16 140
GTR316	20631	676.	0.	0.	-676.	442.	552.	5.	67.	1.35	0.05	0.32	29.4	2.40	133.1	0	8.9	1.66 118
FCPADS	20631	311.	0.	0.	-311.	269.	39.	5.	5.	0.92	0.05	0.05	14.6	1.19	128.6	0	6.4	1.21 137
FCPADS	20631	1388.	0.	0.	-1388.	657.	1269.	5.	155.	7.61	0.05	0.28	93.2	7.61	217.1	0	25.1	4.76 176
FCMCDS	20631	306.	0.	0.	-306.	269.	39.	5.	5.	0.91	0.05	0.07	14.8	1.21	132.3	0	6.3	1.19 139
FCMCDS	20631	1013.	0.	0.	-1013.	578.	1004.	5.	122.	5.96	0.05	0.36	80.4	6.56	251.9	0	19.5	3.70 161

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COGENERATION TECHNOLOGY ALTERNATIVES STUDY
REPORT 5.2
SUMMARY OF FUEL SAVED BY TYPE & ECONOMICS

		----------FUEL USE IN BTU*10**6----------																
		COGENERATION CASE			**NOCOGEN - COGEN**													
ECS	PROCS	DISTIL	RESIDL	COAL	DISTIL	RESIDL	COAL		POWER REQD MW	COGEN POWER MW	O&M	POWER /HEAT RATIO	FESR	CAPITAL COST *10**6	NORM COST	$/KW EQVL	ROI (%)	LEVL CHRG	NORM ENRG	WRTH
ONOCGN	20821	0.	116.	50.	0.	0.	0.		6.	0	0.32	0.24	0.	3.5	1.00	119.3	0	4.7	1.00	00
STM141	20821	0.	125.	0.	0.	-9.	50.		6.	6.	0.61	0.24	0.24	6.9	1.96	188.7	10	4.4	0.94	144
STM141	20821	0.	132.	0.	0.	-12.	62.		6.	8.	0.49	0.24	0.28	6.6	1.87	172.0	15	4.1	0.89	136
STM141	20821	0.	0.	125.	0.	116.	-76.	F	6.	6.	1.07	0.24	0.24	13.6	3.84	370.1	7	4.3	0.92	133
STM141	20821	0.	0.	132.	0.	120.	-69.	F	6.	8.	0.86	0.24	0.28	12.3	3.49	319.8	11	3.8	0.81	124
STM141	20821	0.	0.	125.	0.	116.	-76.	A	6.	6.	0.98	0.24	0.24	11.6	3.29	316.6	10	4.0	0.86	133
STM141	20821	0.	0.	132.	0.	120.	-69.	A	6.	8.	0.75	0.24	0.28	9.9	2.79	255.6	17	3.4	0.73	125
STM088	20821	0.	125.	0.	0.	-9.	49.		6.	6.	0.46	0.24	0.24	5.9	1.66	160.0	18	4.1	0.89	135
STM088	20821	0.	0.	126.	0.	116.	-76.	F	6.	6.	0.82	0.24	0.24	11.4	3.21	309.6	12	3.8	0.82	121
STM088	20821	0.	0.	126.	0.	116.	-76.	A	6.	6.	0.72	0.24	0.24	9.3	2.63	253.4	17	3.5	0.75	123
PFBSTM	20821	0.	0.	126.	0.	116.	-76.		6.	6.	1.18	0.24	0.24	15.4	4.37	419.1	5	4.6	0.99	132
PFBSTM	20821	0.	0.	146.	0.	128.	-56.		6.	11.	1.06	0.24	0.33	15.3	4.34	358.8	9	4.0	0.86	126
TISTMT	20821	0.	126.	0.	0.	-10.	50.		6.	6.	0.95	0.24	0.24	19.9	5.61	538.1	0	6.1	1.32	138
TISTMT	20821	0.	159.	0.	0.	-23.	116.		6.	14.	1.17	0.24	0.37	33.1	9.36	709.5	0	7.3	1.58	137
TISTMT	20821	0.	0.	126.	0.	116.	-76.		6.	6.	1.47	0.24	0.24	28.3	7.99	765.8	0	6.3	1.35	136
TISTMT	20821	0.	0.	159.	0.	136.	-43.		6.	14.	1.64	0.24	0.37	42.0	11.88	900.4	0	7.2	1.54	135
TIHRSG	20821	0.	129.	7.	0.	-13.	43.		6.	5.	0.80	0.24	0.18	26.1	7.38	703.3	0	6.9	1.48	121
TIHRSG	20821	0.	2.	133.	0.	114.	-84.		6.	5.	1.27	0.24	0.18	33.7	9.52	906.5	0	6.9	1.48	120
STIRL	20821	132.	0.	0.	-132.	116.	50.		6.	6.	0.58	0.24	0.20	7.0	1.99	182.4	0	5.2	1.12	143
STIRL	20821	190.	0.	0.	-190.	144.	144.		6.	18.	0.58	0.24	0.34	10.9	3.07	195.6	0	5.6	1.20	131
STIRL	20821	0.	132.	0.	0.	-16.	50.		6.	6.	0.59	0.24	0.20	7.0	1.99	182.6	8	4.5	0.97	139
STIRL	20821	0.	190.	0.	0.	-46.	144.		6.	18.	0.58	0.24	0.34	10.9	3.08	195.8	6	4.5	0.97	125
STIRL	20821	0.	0.	132.	0.	116.	-82.		6.	6.	1.05	0.24	0.20	13.9	3.94	360.9	7	4.4	0.94	128
STIRL	20821	0.	0.	190.	0.	144.	-46.		6.	18.	1.02	0.24	0.34	18.4	5.20	331.2	9	3.9	0.83	115
HEGT85	20821	0.	0.	133.	0.	116.	-83.	A	6.	6.	1.21	0.24	0.20	24.2	6.85	622.1	0	5.7	1.22	128
HEGT85	20821	0.	0.	201.	0.	147.	-46.	A	6.	19.	1.44	0.24	0.34	40.0	11.29	679.5	0	6.5	1.42	121
HEGT60	20821	0.	0.	143.	0.	116.	-96.	A	6.	6.	1.22	0.24	0.12	24.0	6.80	565.3	0	5.8	1.26	120
HEGT60	20821	0.	0.	226.	0.	143.	-85.	A	6.	17.	1.41	0.24	0.20	37.2	10.53	561.4	0	6.9	1.48	109
HEGT00	20821	0.	0.	147.	0.	116.	-97.	A	6.	6.	1.14	0.24	0.11	22.2	6.27	515.1	0	5.6	1.20	118
HEGT00	20821	0.	0.	166.	0.	122.	-96.	A	6.	9.	0.99	0.24	0.14	23.6	6.67	485.3	1	5.5	1.18	108
FCMCCL	20821	0.	0.	131.	0.	116.	-81.		6.	6.	1.25	0.24	0.21	21.3	6.03	555.1	1	5.4	1.17	130
FCMCCL	20821	0.	0.	181.	0.	141.	-49.		6.	16.	1.41	0.24	0.34	28.9	8.16	544.7	1	5.6	1.20	122
FCSTCL	20821	0.	0.	130.	0.	116.	-80.		6.	6.	1.28	0.24	0.22	20.6	5.83	543.2	1	5.4	1.15	131
FCSTCL	20821	0.	0.	235.	0.	171.	-1.		6.	28.	1.86	0.24	0.42	37.4	10.58	543.6	2	5.9	1.26	118
IGGTST	20821	0.	0.	136.	0.	116.	-87.		6.	6.	1.27	0.24	0.18	20.8	5.88	521.9	0	5.5	1.18	126
IGGTST	20821	0.	0.	219.	0.	151.	-52.		6.	20.	1.32	0.24	0.31	30.7	8.68	478.3	2	5.6	1.20	113
GTSOAR	20821	0.	134.	0.	0.	-10.	50.		6.	6.	0.57	0.24	0.19	7.6	2.15	193.1	6	4.6	0.99	137
GTSOAR	20821	0.	189.	0.	0.	-49.	132.		6.	16.	0.50	0.24	0.31	9.9	2.79	178.3	6	4.6	0.98	124
GTAC08	20821	0.	132.	0.	0.	-16.	50.		6.	6.	0.54	0.24	0.20	6.9	1.94	177.7	10	4.4	0.95	139
GTAC08	20821	0.	169.	0.	0.	-35.	110.		6.	13.	0.45	0.24	0.31	7.9	2.24	159.6	12	4.2	0.91	130
GTAC12	20821	0.	131.	0.	0.	-15.	50.		6.	6.	0.55	0.24	0.21	6.9	1.96	180.4	10	4.4	0.95	140
GTAC12	20821	0.	182.	0.	0.	-41.	134.		6.	16.	0.48	0.24	0.34	9.0	2.53	168.0	10	4.2	0.91	128
GTAC15	20821	0.	131.	0.	0.	-15.	50.		6.	6.	0.55	0.24	0.21	7.2	2.02	186.6	9	4.5	0.96	139

GENERAL ELE[illegible]IC COMPANY
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SUMMARY OF FUEL SAVED BY TYPE & ECONOMICS

		----------FUEL USE IN BTU*10**6----------																
		COGENERATION CASE			**NOCOGEN - COGEN**			POWER	COGEN	O&M	POWER	FESR	CAPITAL	NORM	$/KW	ROI	LEVL	NORM	WRTH
ECS	PROCS	DISTIL	RESIDL	COAL	DISTIL	RESIDL	COAL	REQD MW	POWER MW		/HEAT RATIO		COST *10**6	COST	EQVL	(%)	CHRG	ENRG	
GTAC16	20821	0.	192.	0.	0.	-46.	149.	6.	18.	0.51	0.24	0.35	10.0	2.84	178.7	9	4.3	0.93	125
GTWC16	20821	0.	136.	0.	0.	-20.	50.	6.	6.	0.56	0.24	0.18	7.5	2.11	188.1	6	4.6	0.99	136
GTWC16	20821	0.	213.	0.	0.	-64.	162.	6.	20.	0.54	0.24	0.31	10.7	3.01	170.5	4	4.7	1.01	120
CC1626	20821	0.	135.	0.	0.	-19.	50.	6.	6.	0.65	0.24	0.18	7.7	2.17	193.5	3	4.7	1.02	136
CC1626	20821	0.	300.	0.	0.	-113.	290.	6.	35.	0.81	0.24	0.37	15.6	4.40	176.9	0	5.2	1.13	110
CC1622	20821	0.	134.	0.	0.	-18.	50.	6.	6.	0.64	0.24	0.19	7.4	2.09	188.4	5	4.7	1.00	138
CC1622	20821	0.	273.	0.	0.	-94.	262.	6.	32.	0.76	0.24	0.38	14.6	4.14	182.7	2	5.0	1.07	113
CC1222	20821	0.	134.	0.	0.	-18.	50.	6.	6.	0.64	0.24	0.19	7.2	2.04	184.4	5	4.6	0.99	138
CC1222	20821	0.	272.	0.	0.	-92.	261.	6.	32.	0.75	0.24	0.38	14.0	3.95	175.4	3	4.9	1.04	113
CC0822	20821	0.	131.	0.	0.	-15.	50.	6.	6.	0.64	0.24	0.21	7.4	2.08	191.4	6	4.6	0.99	139
CC0822	20821	0.	230.	0.	0.	-65.	211.	6.	26.	0.69	0.24	0.39	12.1	3.43	180.3	6	4.5	0.97	119
STIG15	20821	0.	154.	0.	0.	-38.	50.	6.	6.	0.62	0.24	0.07	7.7	2.17	170.0	0	5.1	1.11	124
STIG15	20821	0.	6615.	0.	0.	-4703.	6065.	6.	739.	10.73	0.24	0.17	196.6	55.57	101.4	0	78.6	16.90	460
STIG10	20821	0.	150.	0.	0.	-34.	50.	6.	6.	0.60	0.24	0.10	7.4	2.08	167.9	0	5.0	1.07	127
STIG10	20821	0.	649.	0.	0.	-380.	561.	6.	68.	1.27	0.24	0.22	22.7	6.42	119.4	0	9.8	2.10	104
STIG1S	20821	0.	147.	0.	0.	-31.	50.	6.	6.	0.60	0.24	0.11	7.2	2.04	167.3	0	4.9	1.05	129
STIG1S	20821	0.	408.	0.	0.	-209.	329.	6.	40.	0.92	0.24	0.23	15.4	4.36	129.1	0	7.2	1.54	101
DEADV3	20821	0.	132.	0.	0.	-16.	50.	6.	6.	0.64	0.24	0.20	9.4	2.66	242.6	2	4.8	1.03	135
DEADV3	20821	0.	231.	0.	0.	-68.	206.	6.	25.	0.77	0.24	0.37	17.5	4.94	258.7	0	5.3	1.13	118
DEHTPH	20821	0.	128.	0.	0.	-12.	50.	6.	6.	0.67	0.24	0.22	9.4	2.64	248.6	4	4.7	1.02	138
DEHTPH	20821	0.	196.	0.	0.	-43.	172.	6.	21.	0.74	0.24	0.40	15.0	4.25	262.1	4	4.3	1.02	124
DESOA3	20821	134.	0.	0.	-134.	116.	50.	6.	6.	0.63	0.24	0.19	8.8	2.50	225.7	0	5.5	1.18	139
DESOA3	20821	235.	0.	0.	-235.	162.	204.	6.	25.	0.87	0.24	0.36	21.3	6.01	308.6	0	7.2	1.54	124
DESOA3	20821	0.	134.	0.	0.	-10.	50.	6.	6.	0.63	0.24	0.19	8.8	2.50	225.7	3	4.8	1.03	135
DESOA3	20821	0.	235.	0.	0.	-73.	204.	6.	25.	0.87	0.24	0.36	21.3	6.01	308.6	0	5.9	1.27	117
GTSOAD	20821	132.	0.	0.	-132.	116.	50.	6.	6.	0.54	0.24	0.20	6.7	1.88	171.9	0	5.1	1.10	143
GTSOAD	20821	181.	0.	0.	-181.	139.	127.	6.	15.	0.45	0.24	0.32	8.0	2.27	151.8	0	5.2	1.11	134
GTRA08	20821	133.	0.	0.	-133.	116.	50.	6.	6.	0.57	0.24	0.19	7.9	2.23	202.1	0	5.3	1.15	140
GTRA08	20821	228.	0.	0.	-228.	160.	196.	6.	24.	0.60	0.24	0.36	13.0	3.65	193.8	0	6.0	1.28	124
GTRA12	20821	133.	0.	0.	-133.	116.	50.	6.	6.	0.57	0.24	0.20	7.8	2.21	201.0	0	5.3	1.14	141
GTRA12	20821	226.	0.	0.	-226.	159.	194.	6.	24.	0.60	0.24	0.36	13.1	3.69	197.3	0	5.9	1.28	125
GTRA16	20821	133.	0.	0.	-133.	116.	50.	6.	6.	0.58	0.24	0.20	8.1	2.28	207.5	0	5.3	1.15	140
GTRA16	20821	219.	0.	0.	-219.	156.	184.	6.	22.	0.60	0.24	0.36	13.3	3.75	207.0	0	6.0	1.28	125
GTR208	20821	133.	0.	0.	-133.	116.	50.	6.	6.	0.56	0.24	0.20	7.5	2.11	191.4	0	5.3	1.13	141
GTR208	20821	201.	0.	0.	-201.	147.	155.	6.	19.	0.53	0.24	0.34	10.5	2.98	179.3	0	5.6	1.20	129
GTR212	20821	133.	0.	0.	-133.	116.	50.	6.	6.	0.57	0.24	0.19	7.6	2.16	195.6	0	5.3	1.14	141
GTR212	20821	209.	0.	0.	-209.	151.	186.	6.	20.	0.55	0.24	0.34	11.4	3.22	186.0	0	5.7	1.24	127
GTR216	20821	133.	0.	0.	-133.	116.	50.	6.	6.	0.57	0.24	0.20	7.8	2.20	199.9	0	5.3	1.14	141
GTR216	20821	209.	0.	0.	-209.	152.	170.	6.	21.	0.57	0.24	0.35	12.0	3.39	195.6	0	5.8	1.24	127
GTRW08	20821	139.	0.	0.	-139.	116.	50.	6.	6.	0.58	0.24	0.16	8.0	2.26	197.1	0	5.5	1.18	137
GTRW08	20821	280.	0.	0.	-280.	172.	236.	6.	29.	0.66	0.24	0.31	14.4	4.06	175.2	0	6.9	1.49	118
GTRW12	20821	137.	0.	0.	-137.	116.	50.	6.	6.	0.56	0.24	0.17	8.0	2.26	199.0	0	5.5	1.17	138
GTRW12	20821	278.	0.	0.	-278.	174.	244.	6.	30.	0.66	0.24	0.33	14.6	4.13	179.1	0	6.8	1.46	119
GTRW16	20821	137.	0.	0.	-137.	116.	50.	6.	6.	0.58	0.24	0.17	8.2	2.32	204.2	0	5.5	1.18	138

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SUMMARY OF FUEL SAVED BY TYPE & ECONOMICS

ECS	PROCS	FUEL USE IN BTU*10**6 **COGENERATION CASE** DISTIL	RESIDL	COAL	**NOCOGEN - COGEN** DISTIL	RESIDL	COAL	POWER REQD MW	COGEN POWER MW	O&M	POWER /HEAT RATIO	FESR	CAPITAL COST *10**6	NORM COST	$/KW EQVL	ROI (%)	LEVL CHRG	NORM ENRG	WRTH
GTRM16	20821	267.	0.	0.	-267.	170.	229.	6.	28.	0.66	0.24	0.33	14.6	4.13	187.2	0	6.7	1.44	120
GTR308	20821	139.	0.	0.	-139.	116.	50.	6.	6.	0.57	0.24	0.16	7.6	2.14	185.4	0	5.5	1.18	137
GTR308	20821	238.	0.	0.	-238.	154.	178.	6.	22.	0.57	0.24	0.28	11.5	3.25	164.6	0	6.4	1.38	122
GTR312	20821	137.	0.	0.	-137.	116.	50.	6.	6.	0.57	0.24	0.17	7.7	2.17	191.7	0	5.4	1.16	139
GTR312	20821	248.	0.	0.	-248.	162.	204.	6.	25.	0.60	0.24	0.32	12.5	3.52	171.5	0	6.3	1.36	121
GTR316	20821	137.	0.	0.	-137.	116.	50.	6.	6.	0.58	0.24	0.17	7.9	2.24	197.2	0	5.4	1.17	138
GTR316	20821	246.	0.	0.	-246.	161.	201.	6.	24.	0.61	0.24	0.32	12.9	3.65	178.9	0	6.4	1.38	121
FCPADS	20821	133.	0.	0.	-133.	116.	50.	6.	6.	0.92	0.24	0.20	7.6	2.15	195.4	0	5.6	1.21	143
FCPADS	20821	240.	0.	0.	-240.	167.	219.	6.	27.	2.52	0.24	0.38	16.7	4.71	237.1	0	8.2	1.76	133
FCMCDS	20821	137.	0.	0.	-137.	116.	50.	6.	6.	0.9[illegible]	0.24	0.17	8.2	2.32	203.4	0	5.8	1.25	139
FCMCDS	20821	369.	0.	0.	-369.	210.	366.	6.	45.	3.91	0.24	0.36	29.3	8.27	270.6	0	12.0	2.58	136

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SUMMARY OF FUEL SAVED BY TYPE & ECONOMICS

		----------FUEL USE IN BTU*10**6---------- **COGENERATION CASE**			**NOCOGEN - COGEN**															
ECS	PROCS	DISTIL	RESIDL	COAL	DISTIL	RESIDL	COAL		POWER REQD MW	COGEN POWER MW	O&M	POWER /HEAT RATIO	FESR	CAPITAL COST *10**6	NORM COST	$/KW EQVL	ROI (%)	LEVL CHRG	NORM ENRG	WRTH
ONOCGN	22601	0.	201.	51.	0.	0.	0.		6.	0.	0.41	0.13	0.	5.2	1.00	96.2	0	6.7	1.00	80
STM141	22601	0.	211.	0.	0.	-10.	51.		6.	6.	0.76	0.13	0.16	9.1	1.74	148.0	7	6.5	0.98	137
STM141	22601	0.	226.	0.	0.	-16.	82.		6.	10.	0.60	0.13	0.23	8.8	1.68	132.6	14	6.1	0.92	131
STM141	22601	0.	0.	211.	0.	201.	-160.	F	6.	6.	1.40	0.13	0.16	19.3	3.69	313.2	7	6.3	0.94	124
STM141	22601	0.	0.	226.	0.	210.	-144.	F	6.	10.	1.11	0.13	0.23	17.4	3.31	262.3	12	5.4	0.81	117
STM141	22601	0.	0.	211.	0.	201.	-160.	A	6.	6.	1.29	0.13	0.16	16.7	3.19	270.4	10	5.9	0.88	124
STM141	22601	0.	0.	226.	0.	210.	-144.	A	6.	10.	0.97	0.13	0.23	13.2	2.52	199.1	18	4.8	0.72	119
STM088	22601	0.	211.	0.	0.	-10.	51.		6.	6.	0.72	0.13	0.16	8.4	1.61	136.7	10	6.4	0.96	138
STM088	22601	0.	215.	0.	0.	-11.	60.		6.	7.	0.57	0.13	0.18	7.8	1.49	123.6	17	6.1	0.92	131
STM088	22601	0.	0.	211.	0.	201.	-160.	F	6.	6.	1.32	0.13	0.16	18.0	3.44	291.6	8	6.0	0.91	124
STM088	22601	0.	0.	215.	0.	204.	-155.	F	6.	7.	1.05	0.13	0.18	16.0	3.05	253.7	12	5.5	0.82	115
STM088	22601	0.	0.	211.	0.	201.	-160.	A	6.	6.	1.21	0.13	0.16	15.0	2.86	242.5	12	5.6	0.84	125
STM088	22601	0.	0.	215.	0.	204.	-155.	A	6.	7.	0.93	0.13	0.18	12.4	2.37	197.1	19	5.0	0.74	117
PFBSTM	22601	0.	0.	212.	0.	201.	-161.		6.	6.	1.48	0.13	0.16	20.6	3.93	332.6	6	6.5	0.97	123
PFBSTM	22601	0.	0.	252.	0.	225.	-121.		6.	16.	1.45	0.13	0.29	21.3	4.07	289.1	9	5.7	0.85	115
TISTMT	22601	0.	211.	0.	0.	-10.	51.		6.	6.	1.11	0.13	0.16	23.2	4.44	375.2	0	8.4	1.26	129
TISTMT	22601	0.	273.	0.	0.	-35.	174.		6.	21.	1.63	0.13	0.34	48.8	9.32	609.6	0	10.9	1.64	125
TISTMT	22601	0.	0.	211.	0.	201.	-161.		6.	6.	1.78	0.13	0.16	34.8	6.65	562.3	0	8.3	1.25	123
TISTMT	22601	0.	0.	273.	0.	238.	-99.		6.	21.	2.27	0.13	0.34	62.0	11.83	774.1	0	10.4	1.56	122
TIHRSG	22601	0.	221.	0.	0.	-19.	51		6.	6.	1.24	0.13	0.12	32.0	6.11	495.0	0	9.6	1.44	126
TIHRSG	22601	0.	242.	0.	0.	-31.	82.		6.	10.	1.34	0.13	0.17	42.2	8.04	595.3	0	10.7	1.61	121
TIHRSG	22601	0.	0.	221.	0.	201.	-170.		6.	6.	1.93	0.13	0.12	44.6	8.52	690.7	0	9.7	1.45	123
TIHRSG	22601	0.	0.	242.	0.	210.	-160.		6.	10.	1.93	0.13	0.17	54.2	10.34	765.5	0	10.4	1.56	118
STIRL	22601	222.	0.	0.	-222.	201.	51.		6.	6.	0.73	0.13	0.12	10.0	1.91	153.7	0	8.0	1.20	135
STIRL	22601	335.	0.	0.	-335.	248.	208.		6.	25.	0.84	C.13	0.26	18.4	3.52	187.5	0	9.4	1.40	115
STIRL	22601	0.	222.	0.	0.	-21.	51.		6.	6.	0.73	0.13	0.12	10.0	1.91	153.8	1	6.8	1.03	131
STIRL	22601	0.	335.	0.	0.	-87.	208.		6.	25.	0.84	0.13	0.26	18.4	3.52	187.8	0	7.6	1.15	109
STIRL	22601	0.	0.	222.	0.	201.	-172.		6.	6.	1.35	0.13	0.12	19.9	3.79	305.0	6	6.4	0.96	118
STIRL	22601	0.	0.	335.	0.	248.	-127.		6.	25.	1.54	0.13	0.26	32.5	6.20	330.6	5	6.6	0.99	99
HEGT85	22601	0.	0.	240.	0.	201.	-189.	A	6.	6.	1.50	0.13	0.05	29.8	5.69	424.5	0	7.9	1.18	110
HEGT85	22601	0.	0.	1018.	0.	421.	-232.	A	6.	96.	4.42	0.13	0.16	126.2	24.08	425.0	0	18.6	2.78	103
HEGT60	22601	0.	0.	237.	0.	201.	-187.	A	6.	6.	1.49	0.13	0.06	29.0	5.54	417.0	0	7.8	1.16	111
HEGT60	22601	0.	0.	504.	0.	280.	-190.	A	6.	38.	2.41	0.13	0.15	65.5	12.49	443.1	0	11.5	1.73	89
HEGT00	22601	0.	0.	236.	0.	201.	-185.	A	6.	6.	1.46	0.13	0.06	27.7	5.29	400.7	1	7.6	1.14	112
HEGT00	22601	0.	0.	320.	0.	226.	-184.	A	6.	16.	1.51	0.13	0.12	37.5	7.15	400.2	0	8.3	1.24	96
FCMCCL	22601	0.	0.	217.	0.	201.	-166.		6.	6.	1.52	0.13	0.14	27.0	5.15	424.9	2	7.4	1.10	121
FCMCCL	22601	0.	0.	333.	0.	259.	-90.		6.	30.	2.15	0.13	0.34	44.7	8.53	457.3	1	8.1	1.22	107
FCSTCL	22601	0.	0.	215.	0.	201.	-164.		6.	6.	1.55	0.13	0.15	26.3	5.01	416.4	2	7.3	1.10	122
FCSTCL	22601	0.	0.	404.	0.	298.	-27.		6.	46.	2.67	0.13	0.40	54.4	10.39	460.3	2	8.3	1.25	105
IGGTST	22601	0.	0.	223.	0.	201.	-172.		6.	6.	1.54	0.13	0.12	26.3	5.01	402.6	2	7.4	1.11	119
IGGTST	22601	0.	0.	376.	0.	264.	-114.		6.	32.	1.74	0.13	0.29	43.5	8.30	394.6	2	7.8	1.17	98
GTSOAR	22601	0.	222.	0.	0.	-21.	51.		6.	6.	0.68	0.13	0.12	9.8	1.86	150.1	3	6.7	1.01	131
GTSOAR	22601	0.	366.	0.	0.	-104.	256.		6.	31.	0.72	0.13	0.29	15.9	3.02	147.7	0	7.1	1.07	107

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SUMMARY OF FUEL SAVED BY TYPE & ECONOMICS

		----------FUEL USE IN BTU*10**6----------																
		COGENERATION CASE			**NOCOGEN - COGEN**			POWER	COGEN	O&M	POWER	FESR	CAPITAL	NORM	$/KW	ROI	LEVL	NORM	WRTH
ECS	PROCS	DISTIL	RESIDL	COAL	DISTIL	RESIDL	COAL	REQD MW	POWER MW		/HEAT RATIO		COST *10**6	COST	EQVL	(%)	CHRG	ENRG	
GTAC08	22601	0.	217.	0.	0.	-16.	51.	6.	6.	0.66	0.13	0.14	9.1	1.73	142.6	7	6.5	0.98	134
GTAC08	22601	0.	308.	0.	0.	-62.	200.	6.	24.	0.62	0.13	0.31	12.3	2.35	136.9	9	6.3	0.94	117
GTAC12	22601	0.	217.	0.	0.	-16.	51.	6.	6.	0.66	0.13	0.14	9.1	1.73	142.8	7	6.6	0.98	134
GTAC12	22601	0.	340.	0.	0.	-79.	249.	6.	30.	0.68	0.13	0.33	14.4	2.75	144.7	7	6.4	0.96	112
GTAC16	22601	0.	218.	0.	0.	-17.	51.	6.	6.	0.67	0.13	0.14	9.3	1.77	145.6	6	6.6	0.99	134
GTAC16	22601	0.	363.	0.	0.	-93.	282.	6.	34.	0.73	0.13	0.34	16.4	3.12	153.8	5	6.6	1.00	109
GTWC16	22601	0.	221.	0.	0.	-20.	51.	6.	6.	0.68	0.13	0.12	9.6	1.83	148.1	4	6.7	1.01	132
GTWC16	22601	0.	391.	0.	0.	-116.	296.	6.	36.	0.75	0.13	0.32	16.5	3.14	144.0	1	7.1	1.06	106
CC1626	22601	0.	221.	0.	0.	-20.	51.	6.	6.	0.76	0.13	0.12	9.7	1.84	149.0	2	6.8	1.02	132
CC1626	22601	0.	516.	0.	0.	-139.	473.	6.	58.	1.05	0.13	0.36	22.4	4.27	148.0	0	7.8	1.16	103
CC1622	22601	0.	220.	0.	0.	-19.	51.	6.	6.	0.75	0.13	0.13	9.4	1.79	145.9	3	6.8	1.01	133
CC1622	22601	0.	470.	0.	0.	-157.	426.	6.	52.	1.01	0.13	0.36	21.6	4.11	156.5	0	7.4	1.12	104
CC1222	22601	0.	220.	0.	0.	-18.	51.	6.	6.	0.74	0.13	0.13	9.2	1.76	143.1	4	6.7	1.01	133
CC1222	22601	0.	466.	0.	0.	-154.	424.	6.	52.	0.99	0.13	0.37	20.5	3.91	149.8	1	7.2	1.09	105
CC0822	22601	0.	217.	0.	0.	-16.	51.	6.	6.	0.75	0.13	0.14	9.4	1.79	147.3	4	6.7	1.00	134
CC0822	22601	0.	394.	0.	0.	-107.	338.	6.	41.	0.89	0.13	0.37	17.4	3.32	150.6	5	6.7	1.00	108
STIG15	22601	0.	241.	0.	0.	-39.	51.	6.	6.	0.72	0.13	0.05	9.6	1.84	136.5	0	7.2	1.08	124
STIG15	22601	0.	12154.	0.	0.	-8640.	11142.	6.	1357.	18.28	0.13	0.17	345.3	65.88	96.9	0	135.9	20.38	546
STIG10	22601	0.	236.	0.	0.	-35.	51.	6.	6.	0.70	0.13	0.07	9.3	1.78	134.9	0	7.0	1.05	126
STIG10	22601	0.	1192.	0.	0.	-699.	1030.	6.	126.	2.62	0.13	0.22	39.8	7.60	114.0	0	16.1	2.41	110
STIG1S	22601	0.	233.	0.	0.	-32.	51.	6.	6.	0.70	0.13	0.07	9.2	1.76	134.6	0	7.0	1.04	127
STIG1S	22601	0.	750.	0.	0.	-383.	605.	6.	74.	1.36	0.13	0.23	24.2	4.62	110.3	0	11.2	1.68	98
DEADV3	22601	0.	228.	0.	0.	-27.	51.	6.	6.	0.77	0.13	0.09	12.1	2.31	180.9	0	7.2	1.09	126
DEADV3	22601	0.	733.	0.	0.	-352.	654.	6.	80.	1.84	0.13	0.29	53.4	10.18	248.5	0	13.5	2.03	108
DEHTPM	22601	0.	217.	0.	0.	-16.	51.	6.	6.	0.81	0.13	0.14	12.2	2.33	191.7	0	7.0	1.05	130
DEHTPM	22601	0.	368.	0.	0.	-93.	298.	6.	36.	1.16	0.13	0.36	28.0	5.34	259.6	0	8.1	1.22	109
DESOA3	22601	232.	0.	0.	-232.	201.	51.	6.	6.	0.76	0.13	0.08	11.6	2.22	171.2	0	8.4	1.27	129
DESOA3	22601	870.	0.	0.	-870.	462.	756.	6.	92.	2.43	0.13	0.25	75.9	14.47	297.4	0	22.3	3.34	134
DESOA3	22601	0.	232.	0.	0.	-31.	51.	6.	6.	0.76	0.13	0.08	11.6	2.22	171.2	0	7.3	1.09	125
DESOA3	22601	0.	870.	0.	0.	-459.	756.	6.	92.	2.43	0.13	0.25	75.9	14.47	297.4	0	17.8	2.67	118
GTSOAD	22601	219.	0.	0.	-219.	201.	51.	6.	6.	0.66	0.13	0.13	8.8	1.68	137.5	0	7.7	1.15	138
GTSOAD	22601	341.	0.	0.	-341.	257.	240.	6.	29.	0.64	0.13	0.31	12.8	2.45	128.5	0	8.2	1.23	119
GTRA08	22601	221.	0.	0.	-221.	201.	51.	6.	6.	0.68	0.13	0.12	10.0	1.91	154.2	0	7.9	1.18	135
GTRA08	22601	456.	0.	0.	-456.	303.	392.	6.	48.	0.89	0.13	0.34	21.4	4.08	160.1	0	9.9	1.48	112
GTRA12	22601	220.	0.	0.	-220.	201.	51.	6.	6.	0.68	0.13	0.13	9.9	1.89	153.8	0	7.9	1.18	136
GTRA12	22601	445.	0.	0.	-445.	300.	384.	6.	47.	0.89	0.13	0.35	21.6	4.11	165.2	0	9.7	1.46	112
GTRA16	22601	220.	0.	0.	-220.	201.	51.	6.	6.	0.69	0.13	0.13	10.2	1.94	158.0	0	7.9	1.18	135
GTRA16	22601	427.	0.	0.	-427.	293.	359.	6.	44.	0.89	0.13	0.34	21.7	4.15	173.7	0	9.7	1.45	113
GTR208	22601	220.	0.	0.	-220.	201.	51.	6.	6.	0.68	0.13	0.13	9.6	1.83	148.7	0	7.8	1.17	136
GTR208	22601	387.	0.	0.	-387.	275.	298.	6.	36.	0.76	0.13	0.32	17.1	3.25	150.3	0	9.0	1.35	114
GTR212	22601	220.	0.	0.	-220.	201.	51.	6.	6.	0.68	0.13	0.13	9.8	1.86	151.2	0	7.8	1.18	136
GTR212	22601	403.	0.	0.	-403.	281.	320.	6.	39.	0.80	0.13	0.33	18.4	3.51	156.1	0	9.2	1.38	113
GTR216	22601	220.	0.	0.	-220.	201.	51.	6.	6.	0.68	0.13	0.13	9.9	1.89	153.7	0	7.8	1.18	136
GTR216	22601	404.	0.	0.	-404.	294.	328.	6.	40.	0.83	0.13	0.34	19.6	3.73	165.3	0	9.3	1.39	113

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SUMMARY OF FUEL SAVED BY TYPE & ECONOMIC

ECS	PROCS	FUEL USE IN BTU*10**6 **COGENERATION CASE** DISTIL	RESIDL	COAL	**NOCOGEN - COGEN** DISTIL	RESIDL	COAL	POWER REQD MW	COGEN POWER MW	O&M	POWER /HEAT RATIO	FESR	CAPITAL COST *10**6	NORM COST	$/KW EQVL	ROI (%)	LEVL CHRG	NORM ENRG	WRTH
GTRH08	22601	226.	0.	0.	-226.	201.	51.	6.	6.	0.69	0.13	0.10	10.1	1.92	152.2	0	8.0	1.21	133
GTRW08	22601	555.	0.	0.	-555.	326.	468.	6.	57.	0.96	0.13	0.30	23.2	4.42	142.5	0	11.5	1.73	110
GTRW12	22601	224.	0.	0.	-224.	201.	51.	6.	6.	0.69	0.13	0.11	10.1	1.92	153.3	0	8.0	1.20	134
GTRW12	22601	545.	0.	0.	-545.	329.	478.	6.	58.	0.96	0.13	0.32	23.4	4.46	146.4	0	11.1	1.67	111
GTRW16	22601	224.	0.	0.	-224.	201.	51.	6.	6.	0.69	0.13	0.11	10.3	1.96	156.7	0	8.0	1.20	134
GTRW16	22601	517.	0.	0.	-517.	318.	444.	6.	54.	0.95	0.13	0.32	23.2	4.43	153.4	0	10.9	1.63	111
GTR306	22601	228.	0.	0.	-228.	201.	51.	6.	6.	0.68	0.13	0.10	9.7	1.85	145.1	0	8.0	1.21	133
GTR308	22601	480.	0.	0.	-480.	293.	358.	6.	44.	0.33	0.13	0.26	18.9	3.60	134.2	0	10.8	1.62	108
GTR312	22601	223.	0.	0.	-223.	201.	51.	6.	6.	0.68	0.13	0.11	9.8	1.86	149.3	0	7.9	1.19	135
GTR312	22601	472.	0.	0.	-472.	302.	388.	6.	47.	0.85	0.13	0.32	19.7	3.75	142.1	0	10.1	1.52	111
GTR316	22601	224.	0.	0.	-224.	201.	51.	6.	6.	0.69	0.13	0.11	10.0	1.91	152.8	0	8.0	1.19	134
GTR316	22601	469.	0.	0.	-469.	300.	382.	6.	47.	0.87	0.13	0.31	20.3	3.88	147.9	0	10.2	1.54	111
FCPADS	22601	230.	0.	0.	-230.	201.	51.	6.	6.	1.04	0.13	0.09	10.3	1.97	153.0	0	8.5	1.28	133
FCPADS	22601	929.	0.	0.	-929.	440.	850.	6.	104.	8.93	0.13	0.28	61.2	11.68	224.8	0	27.2	4.08	157
FCMCDS	22601	223.	0.	0.	-223.	201.	51.	6.	6.	1.01	0.13	0.11	10.6	2.02	162.0	0	8.3	1.25	135
FCMCDS	22601	678.	0.	0.	-678.	387.	672.	6.	82.	6.75	0.13	0.36	52.6	10.03	264.5	0	20.3	3.04	142

ECS	PROCS	FUEL USE IN BTU*10**6 **COGENERATION CASE** DISTIL	RESIDL	COAL	**NOCOGEN - COGEN** DISTIL	RESIDL	COAL		POWER REQD MW	COGEN POWER MW	O&M	POWER /HEAT RATIO	FESR	CAPITAL COST *10**6	NORM COST	$/KW EQVL	ROI (%)	LEVL CHRG	NORM ENRG	WRTH
ONOCGN	24211	0.	4.	12.	0.	0.	0.		2.	0.	0.21	0.17	0.	1.8	1.00	174.4	0	0.6	1.00	80
STM141	24211	0.	0.	0.	0.	4.	12.		2.	2.	0.38	0.17	0.99	3.3	1.81	270.3	0	0.7	1.18	245
STM141	24211	0.	1.	0.	0.	3.	14.		2.	2.	0.30	0.17	0.95	3.1	1.70	248.5	5	0.6	1.00	225
STM141	24211	0.	0.	0.	0.	4.	12.	F	2.	2.	0.62	0.17	0.99	6.1	3.38	503.5	0	1.3	2.05	256
STM141	24211	0.	0.	1.	0.	4.	13.	F	2.	2.	0.49	0.17	0.95	5.5	3.02	441.9	0	1.1	1.70	232
STM141	24211	0.	0.	0.	0.	4.	12.	A	2.	2.	0.56	0.17	0.99	5.5	3.06	456.4	0	1.2	1.85	252
STM141	24211	0.	0.	1.	0.	4.	13.	A	2.	2.	0.42	0.17	0.95	4.8	2.65	396.8	0	0.9	1.48	229
STM088	24211	0.	1.	2.	0.	3.	10.		2.	1.	0.29	0.17	0.81	2.6	1.45	222.7	6	0.6	0.98	211
STM088	24211	0.	1.	2.	0.	3.	10.	F	2.	1.	0.47	0.17	0.81	5.0	2.76	422.4	0	1.1	1.68	216
STM088	24211	0.	1.	2.	0.	3.	10.	A	2.	1.	0.41	0.17	0.81	4.5	2.48	379.7	0	0.9	1.49	213
PFBSTM	24211	0.	0.	0.	0.	4.	12.		2.	2.	0.67	0.17	0.98	7.5	4.16	617.2	0	1.5	2.36	259
PFBSTM	24211	0.	0.	6.	0.	7.	17.		2.	3.	0.53	0.17	0.80	7.3	4.02	526.0	0	1.2	1.97	213
TISTMT	24211	0.	20.	0.	0.	-16.	12.		2.	2.	0.53	0.17	-0.26	8.4	4.64	688.3	0	1.7	2.75	113
TISTMT	24211	0.	0.	0.	0.	4.	12.		2.	2.	0.81	0.17	0.98	12.2	6.77	1004.1	0	2.1	3.40	281
TISTMT	24211	0.	0.	10.	0.	9.	21.		2.	4.	0.83	0.17	0.76	16.1	10.01	1209.2	0	2.6	4.22	250
TIHRSG	24211	0.	36.	9.	0.	-33.	12.		2.	2.	0.52	0.17	-1.27	11.0	6.12	859.0	0	2.2	3.52	3
TIHRSG	24211	0.	0.	3.	0.	4.	10.		2.	2.	0.78	0.17	0.83	15.0	8.33	1169.0	0	2.4	3.87	273
TIHRSG	24211	0.	0.	5.	0.	5.	11.		2.	2.	0.67	0.17	0.75	16.0	8.90	1186.8	0	2.4	3.84	250
STIRL	24211	20.	0.	0.	-20.	4.	12.		2.	2.	0.35	0.17	-0.25	2.9	1.62	225.1	0	1.0	1.62	103
STIRL	24211	0.	20.	0.	0.	-16.	12.		2.	2.	0.35	0.17	-0.25	2.9	1.62	225.2	0	1.0	1.52	100
STIRL	24211	0.	0.	3.	0.	4.	9.		2.	2.	0.61	0.17	0.81	6.3	3.51	489.0	0	1.3	2.08	234
STIRL	24211	9.	0.	22.	0.	12.	17.		2.	5.	0.50	0.17	0.56	6.7	3.71	360.7	0	1.1	1.74	167
HEGT05	24211	0.	0.	7.	0.	4.	5.	A	2.	2.	0.66	0.17	0.53	10.7	5.91	747.3	0	1.9	2.98	216
HEGT85	24211	0.	0.	177.	0.	50.	-8.	A	2.	20.	1.46	0.17	0.19	42.2	23.47	663.4	0	5.8	9.19	271
HEGTGO	24211	0.	0.	7.	0.	4.	5.	A	2.	2.	0.65	0.17	0.57	10.3	5.73	734.2	0	1.8	2.90	219
HEGTGO	24211	0.	0.	58.	0.	18.	4.	A	2.	8.	0.79	0.17	0.28	20.8	11.55	717.4	0	3.6	4.74	185
HEGTOO	24211	0.	0.	6.	0.	4.	6.	A	2.	2.	0.62	0.17	0.60	9.7	5.36	693.3	0	1.7	2.73	219
HEGTOO	24211	0.	0.	20.	0.	8.	6.	A	2.	3.	0.51	0.17	0.41	11.7	6.46	651.8	0	1.8	2.84	179
FCMCCL	24211	0.	0.	63.	0.	14.	-17.		2.	6.	0.65	0.17	-0.05	13.8	7.63	741.5	0	2.3	3.70	128
FCSTCL	24211	0.	0.	75.	0.	21.	-6.		2.	8.	0.83	0.17	0.16	16.5	9.13	746.3	0	2.7	4.22	156
IGGTST	24211	0.	0.	70.	0.	14.	-22.		2.	6.	0.75	0.17	-0.13	14.2	7.88	691.8	0	2.5	4.01	124
GTSGAR	24211	0.	18.	0.	0.	-14.	12.		2.	2.	0.34	0.17	-0.10	3.4	1.89	264.0	0	1.0	1.53	116
GTAC00	24211	0.	19.	0.	0.	-15.	12.		2.	2.	0.33	0.17	-0.19	3.1	1.71	245.8	0	0.9	1.49	107
GTAC12	24211	0.	17.	0.	0.	-13.	12.		2.	2.	0.33	0.17	-0.05	3.1	1.70	243.8	0	0.9	1.43	122
GTAC16	24211	0.	16.	0.	0.	-12.	12.		2.	2.	0.33	0.17	0.01	3.1	1.73	248.0	0	0.9	1.42	129
GTWC16	24211	0.	16.	0.	0.	-13.	12.		2.	2.	0.34	0.17	-0.02	3.3	1.85	259.6	0	0.9	1.48	126
CC1626	24211	0.	14.	0.	0.	-10.	12.		2.	2.	0.40	0.17	0.15	3.4	1.88	263.9	0	1.0	1.54	148
CC1622	24211	0.	14.	0.	0.	-10.	12.		2.	2.	0.40	0.17	0.14	3.2	1.80	254.0	0	0.9	1.51	146
CC1222	24211	0.	14.	0.	0.	-10.	12.		2.	2.	0.39	0.17	0.14	3.2	1.75	247.9	0	0.9	1.49	147
CC0922	24211	0.	15.	0.	0.	-11.	12.		2.	2.	0.40	0.17	0.08	3.3	1.82	261.4	0	1.0	1.54	140
STIGTR	24211	0.	13.	0.	0.	-10.	12.		2.	2.	0.35	0.17	0.16	3.5	1.92	243.1	0	0.9	1.45	147
STIG	24211	0.	14.	0.	0.	-11.	12.		2.	2.	0.35	0.17	0.11	3.3	1.84	239.5	0	0.9	1.44	141
STIG	24211	0.	15.	0.	0.	-12.	12.		2.	2.	0.35	0.17	0.05	3.3	1.81	236.8	0	0.9	1.45	133

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SUMMARY OF FUEL SAVED BY TYPE & ECONOMICS

ECS	PROCS	FUEL USE IN BTU*10**6 — **COGENERATION CASE** DISTIL	RESIDL	COAL	**NOCOGEN - COGEN** DISTIL	RESIDL	COAL	POWER REQD MW	COGEN POWER MW	O&M	POWER /HEAT RATIO	FESR	CAPITAL COST *10**6	NORM COST	$/KW EQVL	ROI (%)	LEVL CHRG	NORM ENRG	HRTH
DEADV3	24211	0.	14.	0.	0.	-10.	12.	2.	2.	0.39	0.17	0.14	4.5	2.47	333.3	0	1.1	1.69	145
DEHTPM	24211	0.	15.	0.	0.	-12.	12.	2.	2.	0.41	0.17	0.04	4.5	2.50	358.3	0	1.1	1.76	134
DESOA3	24211	14.	0.	0.	-14.	4.	12.	2.	2.	0.36	0.17	0.11	3.4	1.89	249.8	0	1.0	1.55	144
DESOA3	24211	0.	14.	0.	0.	-10.	12.	2.	2.	0.36	0.17	0.11	3.4	1.89	249.8	0	0.9	1.48	142
GTSOAD	24211	18.	0.	0.	-18.	4.	12.	2.	2.	0.33	0.17	-0.10	3.0	1.66	236.4	0	1.0	1.53	119
GTRA08	24211	14.	0.	0.	-14.	4.	12.	2.	2.	0.34	0.17	0.10	3.5	1.95	274.0	0	1.0	1.54	142
GTRA12	24211	14.	0.	0.	-14.	4.	12.	2.	2.	0.34	0.17	0.11	3.4	1.90	268.3	0	1.0	1.52	142
GTRA16	24211	15.	0.	0.	-15.	4.	12.	2.	2.	0.34	0.17	0.08	3.5	1.96	276.0	0	1.0	1.55	139
GTR208	24211	16.	0.	0.	-16.	4.	12.	2.	2.	0.34	0.17	0.00	3.3	1.85	260.2	0	1.0	1.55	130
GTR212	24211	16.	0.	0.	-16.	4.	12.	2.	2.	0.34	0.17	0.03	3.4	1.88	264.8	0	1.0	1.55	133
GTR216	24211	15.	0.	0.	-15.	4.	12.	2.	2.	0.34	0.17	0.05	3.4	1.89	267.7	0	1.0	1.55	136
GTRW08	24211	15.	0.	0.	-15.	4.	12.	2.	2.	0.35	0.17	0.09	3.6	1.98	271.1	0	1.0	1.57	140
GTRW12	24211	14.	0.	0.	-14.	4.	12.	2.	2.	0.35	0.17	0.12	3.6	1.98	273.6	0	1.0	1.55	144
GTRW16	24211	14.	0.	0.	-14.	4.	12.	2.	2.	0.35	0.17	0.10	3.7	2.03	280.5	0	1.0	1.57	142
GTR308	24211	17.	0.	0.	-17.	4.	12.	2.	2.	0.34	0.17	-0.03	3.4	1.86	252.3	0	1.0	1.58	126
GTR312	24211	15.	0.	0.	-15.	4.	12.	2.	2.	0.34	0.17	0.06	3.5	1.91	265.4	0	1.0	1.55	137
GTR316	24211	15.	0.	0.	-15.	4.	12.	2.	2.	0.34	0.17	0.06	3.5	1.97	272.3	0	1.0	1.57	136
FCPADS	24211	13.	0.	0.	-13.	4.	12.	2.	2.	0.35	0.17	0.16	3.2	1.75	234.5	0	0.9	1.48	149
FCMCDS	24211	12.	0.	0.	-12.	4.	12.	2.	2.	0.35	0.17	0.22	3.2	1.78	247.4	0	0.9	1.45	156

GENERAL ELECTRIC COMPANY
COGENERATION TECHNOLOGY ALTERNATIVES STUDY
REPORT 5.2
SUMMARY OF FUEL SAVED BY TYPE & ECONOMICS

		------------FUEL USE IN BTU*10**6-----------																		
		COGENERATION CASE			**NOCOGEN - COGEN**														
ECS	PROCS	DISTIL	RESIDL	COAL	DISTIL	RESIDL	COAL	POWER REQD MW	COGEN POWER MW	O&M	POWER /HEAT RATIO	FESR	CAPITAL COST *10**6	NORM COST	$/KW EQVL	ROI (%)	LEVL CHRG	NORM ENRG	WRTH
ONOCGN	24361	0.	7.	25.	0.	0.	0.	3.	0.	0.30	0.14	0.	3.2	1.00	125.3	0	1.3	1.00	80
STM141	24361	0.	0.	0.	0.	7.	25.	3.	3.	0.51	0.14	0.99	5.3	1.64	181.0	12	1.1	0.82	238
STM141	24361	0.	1.	0.	0.	7.	26.	3.	3.	0.42	0.14	0.97	5.0	1.55	169.6	17	1.0	0.72	223
STM141	24361	0.	0.	0.	0.	7.	24. F	3.	3.	0.88	0.14	0.99	10.5	3.25	357.8	0	2.0	1.52	243
STM141	24361	0.	0.	1.	0.	8.	25. F	3.	3.	0.73	0.14	0.97	9.7	2.99	327.2	0	1.8	1.33	225
STM141	24361	0.	0.	0.	0.	7.	24. A	3.	3.	0.79	0.14	0.99	8.7	2.70	297.4	0	1.7	1.30	241
STM141	24361	0.	0.	1.	0.	8.	25. A	3.	3.	0.64	0.14	0.97	7.8	2.41	263.4	2	1.5	1.10	224
STM088	24361	0.	2.	8.	0.	5.	17.	3.	2.	0.40	0.14	0.68	4.3	1.34	153.3	17	1.1	0.82	191
STM088	24361	0.	2.	8.	0.	5.	17. F	3.	2.	0.70	0.14	0.68	8.8	2.73	313.3	0	1.9	1.41	192
STM088	24361	0.	2.	8.	0.	5.	17. A	3.	2.	0.61	0.14	0.68	7.3	2.25	258.3	0	1.6	1.22	190
PFBSTM	24361	0.	0.	1.	0.	7.	24.	3.	3.	1.03	0.14	0.97	12.9	3.99	437.1	0	2.4	1.83	246
PFBSTM	24361	0.	0.	13.	0.	15.	35.	3.	6.	0.88	0.14	0.79	12.4	3.84	374.3	0	2.0	1.49	199
TISTMT	24361	0.	45.	0.	0.	-37.	25.	3.	3.	0.73	0.14	-0.40	14.8	4.58	503.2	0	3.4	2.53	91
TISTMT	24361	0.	0.	1.	0.	7.	24.	3.	3.	1.24	0.14	0.98	21.9	6.76	742.4	0	3.6	2.71	264
TISTMT	24361	0.	0.	22.	0.	20.	45.	3.	8.	1.37	0.14	0.75	34.0	10.49	949.4	0	4.6	3.46	227
TIHRSG	24361	0.	73.	0.	0.	-65.	25.	3.	3.	0.81	0.14	-1.27	18.9	5.82	602.3	0	4.4	3.30	-1
TIHRSG	24361	0.	0.	7.	0.	7.	18.	3.	3.	1.27	0.14	0.78	26.5	8.17	844.5	0	4.2	3.17	249
TIHRSG	24361	0.	0.	19.	0.	12.	21.	3.	5.	1.21	0.14	0.64	32.1	9.90	922.3	0	4.7	3.50	225
STIRL	24361	42.	0.	0.	-42.	7.	25.	3.	3.	0.52	0.14	-0.32	5.6	1.74	180.8	0	2.2	1.68	94
STIRL	24361	0.	42.	0.	0.	-35.	25.	3.	3.	0.52	0.14	-0.32	5.6	1.74	180.9	0	2.0	1.53	90
STIRL	24361	0.	0.	6.	0.	7.	18.	3.	3.	0.93	0.14	0.80	11.7	3.62	376.0	0	2.2	1.68	222
STIRL	24361	0.	0.	54.	0.	27.	36.	3.	11.	0.89	0.14	0.54	15.4	4.74	340.5	0	2.1	1.57	153
HEGT60	24361	0.	0.	16.	0.	7.	9. A	3.	3.	1.00	0.14	0.50	17.8	5.49	522.5	0	3.1	2.35	196
HEGT60	24361	0.	0.	200.	0.	56.	-13. A	3.	23.	1.68	0.14	0.18	45.4	14.01	516.6	0	6.4	4.79	165
HEGT00	24361	0.	0.	14.	0.	7.	11. A	3.	3.	0.97	0.14	0.58	16.8	5.19	505.5	0	3.0	2.23	203
HEGT00	24361	0.	0.	56.	0.	20.	10. A	3.	8.	0.94	0.14	0.34	22.6	6.99	493.7	0	3.4	2.55	157
FCMCCL	24361	0.	0.	159.	0.	35.	-43.	3.	14.	1.26	0.14	-0.05	26.3	8.12	565.6	0	4.6	3.46	116
FCSTCL	24361	0.	0.	181.	0.	47.	-22.	3.	19.	1.51	0.14	0.12	30.3	9.34	571.9	0	4.9	3.68	135
IGGIST	24361	0.	0.	168.	0.	32.	-61.	3.	13.	1.14	0.14	-0.21	25.0	7.73	508.2	0	4.7	3.50	99
GTSOAR	24361	0.	35.	0.	0.	-28.	25.	3.	3.	0.49	0.14	-0.10	6.0	1.85	192.5	0	1.9	1.42	114
GTAC08	24361	0.	38.	0.	0.	-31.	25.	3.	3.	0.48	0.14	-0.19	5.5	1.71	183.6	0	1.9	1.42	105
GTAC12	24361	0.	34.	0.	0.	-26.	25.	3.	3.	0.48	0.14	-0.05	5.5	1.71	182.4	0	1.8	1.35	120
GTAC16	24361	0.	32.	0.	0.	-24.	25.	3.	3.	0.48	0.14	0.01	5.6	1.74	185.1	0	1.8	1.33	127
GTWC16	24361	0.	32.	0.	0.	-25.	25.	3.	3.	0.49	0.14	-0.02	5.9	1.82	191.3	0	1.8	1.37	124
CC1626	24361	0.	28.	0.	0.	-21.	25.	3.	3.	0.56	0.14	0.12	5.9	1.81	189.4	0	1.8	1.36	140
CC1622	24361	0.	29.	0.	0.	-21.	25.	3.	3.	0.55	0.14	0.10	5.7	1.75	184.1	0	1.8	1.34	138
CC1222	24361	0.	29.	0.	0.	-21.	25.	3.	3.	0.55	0.14	0.10	5.5	1.71	180.0	0	1.8	1.33	139
CC0822	24361	0.	31.	0.	0.	-24.	25.	3.	3.	0.55	0.14	0.03	5.7	1.76	187.3	0	1.8	1.38	131
STIG15	24361	0.	27.	0.	0.	-20.	25.	3.	3.	0.51	0.14	0.16	5.9	1.82	175.4	0	1.7	1.29	144
STIG10	24361	0.	29.	0.	0.	-21.	25.	3.	3.	0.50	0.14	0.11	5.7	1.76	173.2	0	1.7	1.29	138
STIG15	24361	0.	31.	0.	0.	-23.	25.	3.	3.	0.50	0.14	0.05	5.6	1.74	172.8	0	1.8	1.32	131
DEADV3	24361	0.	28.	0.	0.	-20.	25.	3.	3.	0.55	0.14	0.14	7.5	2.33	234.3	0	2.0	1.46	141
DEHTPM	24361	0.	33.	0.	0.	-26.	25.	3.	3.	0.59	0.14	-0.03	7.8	2.40	253.3	0	2.1	1.60	122

GENERAL ELECTRIC COMPANY
COGENERATION TECHNOLOGY ALTERNATIVES STUDY
REPORT 5.2
SUMMARY OF FUEL SAVED BY TYPE & ECONOMICS

		----------FUEL USE IN BTU*10**6----------																
		COGENERATION CASE			**NOCOGEN - COGEN**			POWER	COGEN									
ECS	PROCS	DISTIL	RESIDL	COAL	DISTIL	RESIDL	COAL	REQD MW	POWER MW	O&M	POWER /HEAT RATIO	FESR	CAPITAL COST *10**6	NORM COST	$/KW EQVL	ROI (%)	LEVL CHRG	NORM ENRG	WRTH
DESOA3	24361	28.	0.	0.	-28.	7.	25.	3.	3.	0.53	0.14	0.11	6.5	2.00	198.4	0	2.0	1.48	141
DESOA3	24361	0.	28.	0.	0.	-21.	25.	3.	3.	0.53	0.14	0.11	6.5	2.00	198.4	0	1.8	1.38	138
GTSOAD	24361	35.	0.	0.	-35.	7.	25.	3.	3.	0.48	0.14	-0.10	5.4	1.67	176.5	0	2.0	1.49	118
GTRA08	24361	29.	0.	0.	-29.	7.	25.	3.	3.	0.49	0.14	0.10	6.1	1.89	197.1	0	1.9	1.43	139
GTRA12	24361	29.	0.	0.	-29.	7.	25.	3.	3.	0.49	0.14	0.11	6.1	1.87	195.7	0	1.9	1.42	140
GTRA16	24361	29.	0.	0.	-29.	7.	25.	3.	3.	0.49	0.14	0.08	6.2	1.92	201.2	0	1.9	1.45	137
GTR206	24361	32.	0.	0.	-32.	7.	25.	3.	3.	0.49	0.14	-0.00	5.9	1.82	190.4	0	2.0	1.47	128
GTR212	24361	31.	0.	0.	-31.	7.	25.	3.	3.	0.49	0.14	0.03	6.0	1.85	193.6	0	2.0	1.46	131
GTR216	24361	30.	0.	0.	-30.	7.	25.	3.	3.	0.49	0.14	0.05	6.0	1.86	196.0	0	1.9	1.46	134
GTRW08	24361	29.	0.	0.	-29.	7.	25.	3.	3.	0.50	0.14	0.09	6.2	1.92	195.9	0	1.9	1.45	138
GTRW12	24361	28.	0.	0.	-28.	7.	25.	3.	3.	0.49	0.14	0.12	6.2	1.92	197.7	0	1.9	1.43	141
GTRW16	24361	29.	0.	0.	-29.	7.	25.	3.	3.	0.50	0.14	0.10	6.4	1.96	202.4	0	1.9	1.45	139
GTR308	24361	33.	0.	0.	-33.	7.	25.	3.	3.	0.49	0.14	-0.03	5.9	1.83	185.3	0	2.0	1.50	125
GTR312	24361	30.	0.	0.	-30.	7.	25.	3.	3.	0.49	0.14	0.06	6.0	1.86	193.1	0	1.9	1.45	135
GTR316	24361	30.	0.	0.	-30.	7.	25.	3.	3.	0.50	0.14	0.06	6.2	1.91	197.7	0	2.0	1.47	134
FCPADS	24361	27.	0.	0.	-27.	7.	25.	3.	3.	0.62	0.14	0.16	5.9	1.82	183.3	0	2.0	1.48	148
FCMCDS	24361	25.	0.	0.	-25.	7.	25.	3.	3.	0.61	0.14	0.22	6.0	1.86	193.0	0	1.9	1.43	155

ECS	PROCS	FUEL USE IN BTU*10**6 **COGENERATION CASE** DISTIL	RESIDL	COAL	**NOCOGEN - COGEN** DISTIL	RESIDL	COAL		POWER READ MW	COGEN POWER MW	OSM	POWER /HEAT RATIO	FESR	CAPITAL COST *10**6	NORM COST	$/KH EQVL	ROI (%)	LEVL CHRG	NORM ENRG	WRTH
ONOCGN	24921	0.	15.	41.	0.	0.	0.		5.	0.	0.22	0.46	0.	2.1	1.00	161.6	0	2.1	1.00	80
STM141	24921	0.	17.	28.	0.	-2.	13.		5.	2.	0.32	0.46	0.19	3.3	1.58	223.3	9	2.0	0.97	123
STM141	24921	0.	8.	37.	0.	6.	4.	F	5.	2.	0.54	0.46	0.19	6.0	2.90	409.3	0	2.4	1.16	117
STM141	24921	0.	8.	37.	0.	6.	4.	A	5.	2.	0.47	0.46	0.19	5.1	2.49	351.5	0	2.2	1.09	117
STM088	24921	0.	16.	33.	0.	-2.	8.		5.	1.	0.31	0.46	0.12	2.8	1.35	199.4	7	2.0	0.99	114
STM088	24921	0.	10.	39.	0.	5.	2.	F	5.	1.	0.52	0.46	0.12	5.4	2.64	390.7	0	2.4	1.19	106
STM088	24921	0.	10.	39.	0.	5.	2.	A	5.	1.	0.46	0.46	0.12	4.8	2.33	344.5	0	2.3	1.13	105
PFBSTM	24921	0.	5.	32.	0.	10.	9.		5.	3.	0.63	0.46	0.34	7.9	3.85	484.9	0	2.4	1.16	137
TISTMT	24921	0.	15.	39.	0.	-0.	2.		5.	0.	0.37	0.46	0.03	3.7	1.80	284.3	0	2.3	1.14	87
TISTMT	24921	0.	2.	27.	0.	12.	14.		5.	4.	0.92	0.46	0.47	20.3	9.83	1147.6	0	3.7	1.82	164
TIHRSG	24921	0.	15.	40.	0.	-0.	1.		5.	0.	0.32	0.46	0.01	3.6	1.73	273.8	0	2.3	1.11	32
TIHRSG	24921	0.	6.	39.	0.	8.	2.		5.	2.	0.79	0.46	0.19	19.1	9.27	1113.1	0	3.9	1.93	129
STIRL	24921	70.	0.	0.	-70.	15.	41.		5.	5.	0.41	0.46	-0.27	4.6	2.22	211.9	0	3.4	1.66	96
STIRL	24921	4.	12.	39.	-4.	3.	2.		5.	0.	0.32	0.46	0.02	2.8	1.33	207.4	0	2.2	1.07	93
STIRL	24921	0.	70.	0.	0.	-56.	41.		5.	5.	0.41	0.46	-0.27	4.6	2.22	212.1	0	2.9	1.43	90
STIRL	24921	0.	16.	39.	0.	-1.	2.		5.	0.	0.32	0.46	0.02	2.8	1.33	207.3	0	2.2	1.06	93
STIRL	24921	0.	0.	32.	0.	15.	9.		5.	5.	0.70	0.46	0.42	8.2	3.98	379.9	4	2.1	1.03	157
STIRL	24921	0.	0.	35.	0.	16.	9.		5.	5.	0.58	0.46	0.42	7.7	3.75	347.4	7	1.9	0.93	144
HEGT60	24921	0.	0.	49.	0.	15.	-8.	A	5.	5.	0.97	0.46	0.12	18.9	9.16	716.1	0	3.8	1.87	133
HEGT60	24921	0.	0.	107.	0.	30.	-15.	A	5.	11.	1.09	0.46	0.13	27.6	13.39	636.9	0	4.7	2.31	124
HEGT00	24921	0.	2.	44.	0.	12.	-3.	A	5.	4.	0.62	0.46	0.16	13.8	6.67	608.1	0	3.0	1.48	119
FCMCCL	24921	0.	0.	68.	0.	15.	-27.		5.	5.	0.92	0.46	-0.23	14.9	7.24	744.3	0	3.7	1.82	90
FCMCCL	24921	0.	0.	78.	0.	19.	-21.		5.	7.	0.83	0.46	-0.02	16.0	7.75	696.0	0	3.6	1.74	101
FCSTCL	24921	0.	0.	68.	0.	15.	-26.		5.	5.	1.00	0.46	-0.21	14.9	7.25	735.4	0	3.8	1.85	92
FCSTCL	24921	0.	0.	89.	0.	25.	-11.		5.	10.	1.02	0.46	0.14	18.4	8.91	703.4	0	3.7	1.82	119
IGGTST	24921	0.	0.	74.	0.	15.	-33.		5.	5.	0.94	0.46	-0.33	15.2	7.38	699.8	0	3.9	1.90	78
IGGTST	24921	0.	0.	83.	0.	18.	-30.		5.	6.	0.81	0.46	-0.17	15.7	7.62	646.5	0	3.7	1.80	85
GTSOAR	24921	0.	59.	0.	0.	-44.	41.		5.	5.	0.43	0.46	-0.06	5.4	2.60	247.6	0	2.7	1.32	111
GTSOAR	24921	0.	16.	38.	0.	-1.	3.		5.	0.	0.31	0.46	0.03	3.0	1.44	219.5	0	2.2	1.06	95
GTAC08	24921	0.	63.	0.	0.	-49.	41.		5.	5.	0.37	0.46	-0.14	4.5	2.18	223.8	0	2.7	1.31	104
GTAC08	24921	0.	15.	39.	0.	-1.	3.		5.	0.	0.30	0.46	0.03	2.7	1.32	206.6	0	2.1	1.05	94
GTAC12	24921	0.	56.	0.	0.	-41.	41.		5.	5.	0.40	0.46	-0.00	4.7	2.29	233.3	0	2.5	1.23	117
GTAC12	24921	0.	16.	38.	0.	-1.	3.		5.	0.	0.31	0.46	0.04	2.8	1.34	207.0	0	2.1	1.05	96
GTAC16	24921	0.	53.	0.	0.	-38.	41.		5.	5.	0.41	0.46	0.05	5.0	2.41	242.8	0	2.5	1.21	123
GTAC16	24921	0.	16.	37.	0.	-1.	4.		5.	0.	0.31	0.46	0.04	2.8	1.37	209.6	0	2.1	1.05	98
GTWC16	24921	0.	54.	0.	0.	-40.	41.		5.	5.	0.43	0.46	0.03	5.3	2.56	256.3	0	2.6	1.25	120
GTWC16	24921	0.	16.	37.	0.	-1.	4.		5.	0.	0.31	0.46	0.04	2.9	1.43	217.7	0	2.2	1.06	97
CC1626	24921	0.	47.	0.	0.	-32.	41.		5.	5.	0.52	0.46	0.15	5.4	2.63	255.3	0	2.5	1.21	134
CC1626	24921	0.	17.	36.	0.	-2.	5.		5.	1.	0.37	0.46	0.06	3.1	1.48	220.4	0	2.2	1.08	102
CC1622	24921	0.	40.	0.	0.	-33.	41.		5.	5.	0.51	0.46	0.14	5.2	2.50	246.8	0	2.5	1.20	133
CC1622	24921	0.	16.	36.	0.	-2.	5.		5.	1.	0.37	0.46	0.05	2.9	1.41	212.6	0	2.2	1.08	101
CC1222	24921	0.	48.	0.	0.	-33.	41.		5.	5.	0.50	0.46	0.14	5.0	2.41	238.8	0	2.4	1.19	133
CC1222	24921	0.	16.	36.	0.	-2.	5.		5.	1.	0.37	0.46	0.05	2.9	1.38	208.5	0	2.2	1.07	102

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SUMMARY OF FUEL SAVED BY TYPE & ECONOMICS

ECS	PROCS	FUEL USE IN BTU=10**6 **COGENERATION CASE** DISTIL	RESIDL	COAL	**NOCOGEN - COGEN** DISTIL	RESIDL	COAL	POWER REQD MW	COGEN POWER MW	O&M	POWER /HEAT RATIO	FESR	CAPITAL COST *10**6	NORM COST	$/KW EQVL	ROI (%)	LEVL CHRG	NORM ENRG	WRTH
CC0822	24921	0.	51.	0.	0.	-37.	41.	5.	5.	0.50	0.46	0.08	5.1	2.45	249.3	0	2.5	1.24	126
CC0822	24921	0.	16.	37.	0.	-1.	4.	5.	0.	0.36	0.46	0.05	2.9	1.38	212.2	0	2.2	1.07	98
STIG15	24921	0.	46.	0.	0.	-32.	41.	5.	5.	0.51	0.46	0.17	5.6	2.74	219.6	0	2.5	1.20	135
STIG15	24921	0.	154.	0.	0.	-109.	141.	5.	17.	0.81	0.46	0.17	10.4	5.05	162.2	0	4.1	2.02	119
STIG10	24921	0.	48.	0.	0.	-33.	41.	5.	5.	0.48	0.46	0.15	5.3	2.57	216.3	0	2.4	1.18	133
STIG10	24921	0.	23.	28.	0.	-9.	13.	5.	2.	0.37	0.46	0.08	3.7	1.77	221.7	0	2.2	1.10	110
STIG1S	24921	0.	51.	0.	0.	-36.	41.	5.	5.	0.47	0.46	0.09	5.1	2.50	214.6	0	2.5	1.22	127
STIG1S	24921	0.	19.	33.	0.	-5.	8.	5.	1.	0.34	0.46	0.05	3.2	1.56	216.2	0	2.2	1.08	103
DEADV3	24921	0.	46.	0.	0.	-31.	41.	5.	5.	0.53	0.46	0.17	7.2	3.51	311.6	0	2.6	1.28	134
DEADV3	24921	0.	20.	32.	0.	-5.	9.	5.	1.	0.39	0.46	0.07	4.5	2.17	295.0	0	2.4	1.15	103
DEHTPM	24921	0.	55.	0.	0.	-40.	41.	5.	5.	0.54	0.46	0.01	7.3	3.53	350.9	0	2.9	1.42	117
DEHTPM	24921	0.	16.	38.	0.	-1.	3.	5.	0.	0.34	0.46	0.04	2.9	1.42	218.2	0	2.2	1.07	96
DESOA3	24921	47.	0.	0.	-47.	15.	41.	5.	5.	0.51	0.46	0.15	6.5	3.16	270.7	0	2.9	1.41	136
DESOA3	24921	13.	9.	30.	-13.	6.	11.	5.	1.	0.38	0.46	0.07	3.6	1.77	230.0	0	2.3	1.14	109
DESOA3	24921	0.	47.	0.	0.	-33.	41.	5.	5.	0.51	0.46	0.15	6.5	3.16	270.7	0	2.6	1.26	132
DESOA3	24921	0.	22.	30.	0.	-7.	11.	5.	1.	0.38	0.46	0.07	3.6	1.77	230.0	0	2.3	1.10	108
GTSOAD	24921	58.	0.	0.	-58.	15.	41.	5.	5.	0.40	0.46	-0.05	4.5	2.17	216.7	0	3.0	1.44	118
GTSOAD	24921	4.	11.	38.	-4.	3.	3.	5.	0.	0.30	0.46	0.04	2.7	1.33	205.2	0	2.2	1.06	96
GTRA08	24921	48.	0.	0.	-48.	15.	41.	5.	5.	0.45	0.46	0.14	5.7	2.77	265.5	0	2.8	1.34	135
GTRA08	24921	6.	11.	36.	-6.	4.	5.	5.	1.	0.33	0.46	0.06	3.2	1.57	232.4	0	2.2	1.09	101
GTRA12	24921	48.	0.	0.	-48.	15.	41.	5.	5.	0.44	0.46	0.14	5.6	2.74	265.4	0	2.7	1.34	135
GTRA12	24921	6.	11.	36.	-6.	4.	5.	5.	1.	0.32	0.46	0.06	3.1	1.52	226.8	0	2.2	1.08	101
GTRA16	24921	49.	0.	0.	-49.	15.	41.	5.	5.	0.45	0.46	0.12	5.9	2.84	276.2	0	2.8	1.37	133
GTRA16	24921	6.	11.	36.	-6.	4.	5.	5.	1.	0.32	0.46	0.05	3.1	1.53	229.1	0	2.2	1.08	99
GTR208	24921	53.	0.	0.	-53.	15.	41.	5.	5.	0.43	0.46	0.04	5.3	2.56	249.5	0	2.9	1.41	126
GTR208	24921	5.	11.	37.	-5.	4.	4.	5.	0.	0.31	0.46	0.04	3.0	1.44	219.2	0	2.2	1.07	98
GTR212	24921	52.	0.	0.	-52.	15.	41.	5.	5.	0.43	0.46	0.07	5.5	2.65	257.4	0	2.9	1.39	128
GTR212	24921	5.	11.	37.	-5.	4.	4.	5.	1.	0.32	0.46	0.05	3.0	1.47	222.2	0	2.2	1.08	98
GTR216	24921	51.	0.	0.	-51.	15.	41.	5.	5.	0.44	0.46	0.09	5.6	2.70	264.5	0	2.8	1.38	130
GTR216	24921	5.	11.	37.	-5.	4.	4.	5.	1.	0.32	0.46	0.05	3.0	1.48	223.3	0	2.2	1.08	99
GTRW08	24921	49.	0.	0.	-49.	15.	41.	5.	5.	0.46	0.46	0.13	5.9	2.84	259.4	0	2.8	1.37	133
GTRW08	24921	8.	10.	35.	-8.	4.	6.	5.	1.	0.34	0.46	0.06	3.4	1.63	235.5	0	2.3	1.10	102
GTRW12	24921	47.	0.	0.	-47.	15.	41.	5.	5.	0.45	0.46	0.16	5.9	2.84	264.9	0	2.7	1.34	137
GTRW12	24921	7.	10.	35.	-7.	4.	6.	5.	1.	0.33	0.46	0.06	3.4	1.63	236.9	0	2.3	1.10	102
GTRW16	24921	48.	0.	0.	-48.	15.	41.	5.	5.	0.46	0.46	0.14	6.0	2.92	274.0	0	2.8	1.36	135
GTRW16	24921	7.	11.	35.	-7.	4.	6.	5.	1.	0.33	0.46	0.06	3.4	1.63	239.0	0	2.3	1.10	101
GTR308	24921	55.	0.	0.	-55.	15.	41.	5.	5.	0.44	0.46	0.01	5.4	2.64	235.9	0	3.0	1.45	122
GTR308	24921	7.	11.	36.	-7.	4.	5.	5.	1.	0.32	0.46	0.04	3.1	1.48	218.8	0	2.2	1.09	99
GTR312	24921	50.	0.	0.	-50.	15.	41.	5.	5.	0.44	0.46	0.10	5.5	2.69	254.6	0	2.8	1.37	131
GTR312	24921	6.	11.	36.	-6.	4.	5.	5.	1.	0.32	0.46	0.05	3.2	1.53	227.6	0	2.2	1.09	100
GTR316	24921	50.	0.	0.	-50.	15.	41.	5.	5.	0.45	0.46	0.10	5.7	2.78	263.3	0	2.8	1.39	130
GTR316	24921	6.	11.	36.	-6.	4.	5.	5.	1.	0.32	0.46	0.05	3.2	1.55	231.0	0	2.2	1.09	99
FCPADS	24921	45.	0.	0.	-45.	15.	41.	5.	5.	0.82	0.46	0.19	5.5	2.65	234.3	0	3.0	1.46	145
FCPADS	24921	12.	9.	30.	-12.	6.	11.	5.	1.	0.42	0.46	0.08	3.4	1.64	218.1	0	2.3	1.14	111

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SUMMARY OF FUEL SAVED BY TYPE & ECONOMICS

ECS	PROCS	FUEL USE IN BTU*10**6 **COGENERATION CASE** DISTIL	RESIDL	COAL	**NOCOGEN - COGEN** DISTIL	RESIDL	COAL	POWER REQD MW	COGEN POWER MW	O&M	POWER /HEAT RATIO	FESR	CAPITAL COST *10**6	NORM COST	$/KW EQVL	ROI (%)	LEVL CHRG	NORM ENRG	WRTH
FCMCDS	24921	41.	0.	0.	-41.	15.	41.	5.	5.	0.78	0.46	0.26	5.6	2.73	260.9	0	2.9	1.39	151
FCMCDS	24921	9.	10.	33.	-9.	5.	9.	5.	1.	0.38	0.46	0.09	3.3	1.58	223.0	0	2.2	1.10	109

ECS	PROCS	FUEL USE IN BTU*10**6 **COGENERATION CASE** DISTIL	RESIDL	COAL	**NOCOGEN - COGEN** DISTIL	RESIDL	COAL		POWER REQD MW	COGEN POWER MW	O&M	POWER /HEAT RATIO	FESR	CAPITAL COST *10**6	NORM COST	$/KW EQVL	ROI (%)	LEVL CHRG	NORM ENRG	WRTH
ONOCGN	26212	0.	687.	411.	0.	0.	0.		50.	0.	1.08	0.22	0.	24.7	1.00	91.8	0	37.1	1.00	80
STM141	26212	0.	761.	23.	0.	-74.	387.		50.	47.	1.41	0.22	0.29	32.3	1.31	99.5	54	28.9	0.78	143
STM141	26212	0.	7.	777.	0.	680.	-367.	F	50.	47.	3.20	0.22	0.29	61.3	2.48	188.9	24	24.1	0.65	127
STM141	26212	0.	7.	777.	0.	680.	-367.	A	50.	47.	2.93	0.22	0.29	42.6	1.73	131.4	46	21.8	0.59	132
STM088	26212	0.	741.	129.	0.	-54.	281.		50.	34.	1.24	0.22	0.21	25.6	1.04	82.9	190	30.6	0.82	139
STM088	26212	0.	39.	831.	0.	649.	-421.	F	50.	34.	2.99	0.22	0.21	57.3	2.32	185.5	22	26.7	0.72	119
STM088	26212	0.	39.	831.	0.	649.	-421.	A	50.	34.	2.83	0.22	0.21	41.0	1.66	132.7	41	24.8	0.67	124
PFBSTM	26212	0.	0.	772.	0.	687.	-362.		50.	50.	4.84	0.22	0.30	63.2	2.56	191.5	22	25.4	0.68	139
PFBSTM	26212	0.	0.	883.	0.	753.	-254.		50.	77.	5.13	0.22	0.36	60.9	2.47	168.3	27	22.2	0.60	133
TISTMT	26212	0.	771.	0.	0.	-83.	411.		50.	50.	3.57	0.22	0.30	105.8	4.29	321.3	3	38.6	1.04	141
TISTMT	26212	0.	824.	0.	0.	-105.	517.		50.	63.	3.90	0.22	0.33	118.8	4.81	344.3	3	39.4	1.06	133
TISTMT	26212	0.	0.	771.	0.	687.	-360.		50.	50.	5.58	0.22	0.30	140.2	5.68	425.9	7	34.4	0.93	135
TISTMT	26212	0.	0.	987.	0.	816.	-146.		50.	102.	6.85	0.22	0.40	202.1	8.19	514.9	5	36.1	0.97	130
TIHRSG	26212	0.	791.	159.	0.	-103.	252.		50.	31.	3.40	0.22	0.14	105.5	4.27	328.3	0	43.5	1.17	111
TIHRSG	26212	0.	0.	856.	0.	687.	-446.		50.	50.	6.06	0.22	0.22	179.8	7.29	507.9	3	40.7	1.10	117
STIRL	26212	862.	0.	0.	-862.	687.	411.		50.	50.	2.22	0.22	0.22	53.6	2.17	150.7	0	40.2	1.08	142
STIRL	26212	1006.	0.	0.	-1006.	747.	610.		50.	74.	2.48	0.22	0.26	63.2	2.56	158.7	0	42.1	1.14	133
STIRL	26212	0.	862.	0.	0.	-174.	411.		50.	50.	2.22	0.22	0.22	53.7	2.18	150.8	12	34.2	0.92	138
STIRL	26212	0.	1006.	0.	0.	-259.	610.		50.	74.	2.48	0.22	0.26	63.3	2.56	158.9	9	35.2	0.95	129
STIRL	26212	0.	0.	862.	0.	687.	-451.		50.	50.	4.41	0.22	0.22	91.5	3.71	256.9	13	29.4	0.79	126
STIRL	26212	0.	0.	1282.	0.	861.	-291.		50.	121.	5.79	0.22	0.31	150.0	6.08	313.1	9	30.7	0.83	113
HEGT85	26212	0.	0.	1022.	0.	687.	-612.	A	50.	50.	5.20	0.22	0.07	120.7	4.89	299.4	5	36.4	0.98	109
HEGT85	26212	0.	0.	6244.	0.	2087.	-1149.	A	50.	621.	23.87	0.22	0.13	652.2	26.43	337.3	0	94.5	2.55	97
HEGTGO	26212	0.	0.	998.	0.	687.	-588.	A	50.	50.	5.08	0.22	0.09	115.1	4.67	290.8	6	35.2	0.95	112
HEGT60	26212	0.	0.	2331.	0.	1064.	-658.	A	50.	204.	8.72	0.22	0.15	213.3	8.64	271.2	2	43.3	1.17	86
HEGT00	26212	0.	0.	977.	0.	687.	-567.	A	50.	50.	4.76	0.22	0.11	100.7	4.08	258.3	9	33.0	0.89	114
HEGT00	26212	0.	0.	1244.	0.	767.	-568.	A	50.	82.	5.11	0.22	0.14	117.0	4.74	250.1	8	33.6	0.90	103
FCMCCL	26212	0.	0.	1166.	0.	687.	-756.		50.	50.	5.36	0.22	-0.06	96.8	3.92	203.2	5	36.8	0.99	96
FCMCCL	26212	0.	0.	1648.	0.	925.	-442.		50.	147.	8.45	0.22	0.23	142.4	5.77	295.0	6	34.7	0.93	102
FCSTCL	26212	0.	0.	1155.	0.	687.	-745.		50.	50.	5.37	0.22	-0.05	101.8	4.13	300.7	5	37.1	1.00	97
FCSTCL	26212	0.	0.	1978.	0.	1112.	-147.		50.	223.	10.26	0.22	0.33	172.5	6.99	297.6	8	30.9	0.83	100
IGGTST	26212	0.	0.	1216.	0.	687.	-806.		50.	50.	4.02	0.22	-0.11	89.1	3.61	249.9	7	35.5	0.96	90
IGGTST	26212	0.	0.	1843.	0.	945.	-571.		50.	155.	4.50	0.22	0.17	137.8	5.58	255.1	8	32.1	0.87	92
GTSOAR	26212	0.	860.	0.	0.	-172.	411.		50.	50.	1.79	0.22	0.22	39.9	1.62	112.3	23	32.3	0.87	143
GTSOAR	26212	0.	1132.	0.	0.	-331.	790.		50.	96.	2.04	0.22	0.29	48.3	1.96	110.9	16	32.8	0.88	132
GTAC08	26212	0.	814.	0.	0.	-127.	411.		50.	50.	1.71	0.22	0.26	37.1	1.50	108.5	34	30.5	0.82	148
GTAC08	26212	0.	933.	0.	0.	-187.	606.		50.	74.	1.80	0.22	0.31	40.1	1.63	106.5	30	29.9	0.81	140
GTAC12	26212	0.	819.	0.	0.	-131.	411.		50.	50.	1.75	0.22	0.25	38.5	1.56	112.2	30	30.8	0.83	147
GTAC12	26212	0.	1034.	0.	0.	-243.	759.		50.	92.	1.96	0.22	0.33	45.9	1.86	113.0	24	30.2	0.81	138
GTAC16	26212	0.	824.	0.	0.	-137.	411.		50.	50.	1.78	0.22	0.25	39.9	1.62	115.7	27	31.2	0.84	146
GTAC16	26212	0.	1110.	0.	0.	-288.	863.		50.	105.	2.10	0.22	0.34	50.9	2.06	118.8	19	30.7	0.83	135
GTWC16	26212	0.	848.	0.	0.	-161.	411.		50.	50.	1.77	0.22	0.23	39.1	1.58	111.0	26	31.8	0.85	144
GTWC16	26212	0.	1186.	0.	0.	-353.	899.		50.	110.	2.05	0.22	0.32	48.6	1.97	107.8	18	31.9	0.86	133

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ECS	PROCS	FUEL USE IN BTU*10**6 DISTIL	RESIDL	COAL	DISTIL	RESIDL	COGEN** COAL	POWER REQD MW	COGEN POWER MW	O&M	POWER /HEAT RATIO	FESR	CAPITAL COST *10**6	NORM COST	$/KW EQVL	ROI (%)	LEVL CHRG	NORM ENRG	WRTH
		COGENERATION CASE			**NOCOGEN -														
CC1626	26212	0.	851.	0.	0.	-164.	411.	50.	50.	1.98	0.22	0.22	42.9	1.74	121.5	19	32.6	0.88	142
CC1626	26212	0.	1555.	0.	0.	-567.	1418.	50.	173.	2.58	0.22	0.35	61.3	2.48	109.6	12	32.9	0.89	123
CC1622	26212	0.	839.	0.	0.	-152.	411.	50.	50.	1.98	0.22	0.24	43.4	1.76	124.1	19	32.3	0.87	143
CC1622	26212	0.	1418.	0.	0.	-472.	1276.	50.	155.	2.55	0.22	0.36	62.5	2.53	120.4	13	32.2	0.87	126
CC1222	26212	0.	837.	0.	0.	-150.	411.	50.	50.	1.96	0.22	0.24	42.3	1.72	121.5	21	32.1	0.87	144
CC1222	26212	0.	1407.	0.	0.	-463.	1270.	50.	155.	2.51	0.22	0.36	59.5	2.41	115.4	15	31.6	0.85	127
CC0822	26212	0.	818.	0.	0.	-131.	411.	50.	50.	1.86	0.22	0.25	38.4	1.56	111.9	28	31.0	0.84	147
CC0822	26212	0.	1189.	0.	0.	-322.	1010.	50.	123.	2.26	0.22	0.37	51.0	2.07	112.9	20	29.9	0.81	135
STG15	26212	0.	1006.	0.	0.	-318.	411.	50.	50.	2.32	0.22	0.08	43.7	1.77	109.8	2	37.7	1.02	128
STG15	26212	0.	36923.	0.	0.	-26247.	33850.	50.	4123.	62.10	0.22	0.17	1012.1	41.02	92.7	0	507.1	13.67	379
STG10	26212	0.	966.	0.	0.	-278.	411.	50.	50.	2.14	0.22	0.12	42.2	1.71	109.2	9	36.1	0.97	132
STG10	26212	0.	3623.	0.	0.	-2123.	3130.	50.	381.	6.13	0.22	0.22	115.5	4.68	99.2	0	64.8	1.75	102
STG1S	26212	0.	947.	0.	0.	-260.	411.	50.	50.	2.15	0.22	0.14	41.5	1.68	108.8	11	35.5	0.96	134
STG1S	26212	0.	2277.	0.	0.	-1164.	1837.	50.	224.	4.21	0.22	0.23	75.4	3.05	97.8	0	48.1	1.30	108
DEADV3	26212	0.	914.	0.	0.	-226.	411.	50.	50.	2.38	0.22	0.17	60.4	2.45	162.7	6	36.7	0.99	132
DEADV3	26212	0.	2342.	0.	0.	-1153.	2090.	50.	255.	5.48	0.22	0.29	175.2	7.10	221.9	0	55.8	1.50	108
DEHTPM	26212	0.	823.	0.	0.	-136.	411.	50.	50.	2.41	0.22	0.25	59.3	2.40	171.9	11	33.8	0.91	140
DEHTPM	26212	0.	1120.	0.	0.	-292.	882.	50.	107.	3.34	0.22	0.34	92.8	3.76	215.1	6	36.2	0.98	129
DESOA3	26212	942.	0.	0.	-942.	687.	411.	50.	50.	2.59	0.22	0.14	68.6	2.78	180.7	0	45.1	1.22	132
DESOA3	26212	2807.	0.	0.	-2807.	1293.	2439.	50.	297.	7.37	0.22	0.25	248.5	10.07	268.3	0	90.8	2.45	121
DESOA3	26212	0.	942.	0.	0.	-255.	411.	50.	50.	2.59	0.22	0.14	68.6	2.78	180.7	1	38.6	1.04	127
DESOA3	26212	0.	2807.	0.	0.	-1514.	2439.	50.	297.	7.37	0.22	0.25	248.5	10.07	268.3	0	71.5	1.93	108
GTSOAD	26212	832.	0.	0.	-832.	687.	411.	50.	50.	1.70	0.22	0.24	36.4	1.48	104.8	7	36.7	0.99	151
GTSOAD	26212	1042.	0.	0.	-1042.	783.	732.	50.	89.	1.85	0.22	0.31	41.6	1.69	101.8	2	37.7	1.02	143
GTRA08	26212	854.	0.	0.	-854.	687.	411.	50.	50.	1.90	0.22	0.22	44.7	1.81	126.3	0	38.6	1.04	145
GTRA08	26212	1428.	0.	0.	-1428.	931.	1226.	50.	149.	2.61	0.22	0.34	69.7	2.83	133.6	0	44.2	1.19	131
GTRA12	26212	847.	0.	0.	-847.	687.	411.	50.	50.	1.91	0.22	0.23	45.2	1.83	128.4	0	38.4	1.04	146
GTRA12	26212	1386.	0.	0.	-1386.	921.	1194.	50.	145.	2.57	0.22	0.34	68.2	2.76	133.7	0	43.2	1.16	132
GTRA16	26212	845.	0.	0.	-845.	687.	411.	50.	50.	1.94	0.22	0.23	46.2	1.87	131.7	0	38.5	1.04	145
GTR.16	26212	1325.	0.	0.	-1325.	897.	1112.	50.	135.	2.57	0.22	0.34	68.5	2.78	139.3	0	42.6	1.15	133
GTR208	26212	846.	0.	0.	-846.	687.	411.	50.	50.	1.79	0.22	0.23	39.9	1.62	113.5	1	37.7	1.02	148
GTR208	26212	1194.	0.	0.	-1194.	839.	919.	50.	112.	2.13	0.22	0.32	51.6	2.09	113.9	0	40.3	1.09	138
GTR212	26212	847.	0.	0.	-847.	687.	411.	50.	50.	1.81	0.22	0.23	40.7	1.65	115.8	0	37.8	1.02	147
GTR212	26212	1242.	0.	0.	-1242.	859.	986.	50.	120.	2.21	0.22	0.33	54.8	2.22	117.2	0	40.9	1.10	136
GTR216	26212	842.	0.	0.	-842.	687.	411.	50.	50.	1.83	0.22	0.23	41.8	1.70	119.5	1	37.8	1.02	147
GTR216	26212	1247.	0.	0.	-1247.	867.	1011.	50.	123.	2.30	0.22	0.34	58.1	2.35	123.9	0	40.9	1.10	136
GTRW08	26212	892.	0.	0.	-892.	687.	411.	50.	50.	1.90	0.22	0.19	44.2	1.79	121.2	0	40.0	1.08	142
GTRW08	26212	1731.	0.	0.	-1731.	1001.	1462.	50.	178.	2.69	0.22	0.30	71.3	2.89	116.8	0	50.2	1.35	125
GTRW12	26212	877.	0.	0.	-877.	687.	411.	50.	50.	1.89	0.22	0.20	44.2	1.79	122.6	0	39.4	1.06	143
GTRW12	26212	1693.	0.	0.	-1693.	1008.	1483.	50.	181.	2.70	0.22	0.32	71.7	2.91	119.6	0	48.4	1.30	126
GTRW16	26212	874.	0.	0.	-874.	687.	411.	50.	50.	1.91	0.22	0.20	44.9	1.82	125.0	0	39.4	1.06	143
GTRW16	26212	1597.	0.	0.	-1597.	974.	1372.	50.	167.	2.49	0.22	0.32	63.7	2.58	111.5	0	46.3	1.25	128
GTR308	26212	907.	0.	0.	-907.	687.	411.	50.	50.	1.88	0.22	0.17	43.0	1.74	116.5	0	40.4	1.09	141
GTR308	26212	1496.	0.	0.	-1496.	898.	1116.	50.	136.	2.25	0.22	0.26	54.9	2.23	101.3	0	47.4	1.20	129

GENERAL ELECTRIC COMPANY
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SUMMARY OF FUEL SAVED BY TYPE & ECONOMICS

		FUEL USE IN BTU*10**6																
		COGENERATION CASE			**NOCOGEN - COGEN**			POWER	COGEN	O&M	POWER	FESR	CAPITAL	NORM	$/KW	ROI	LEVL	NORM	WRTH
ECS	PROCS	DISTIL	RESIDL	COAL	DISTIL	RESIDL	COAL	REQD MW	POWER MW		/HEAT RATIO		COST *10**6	COST	EQVL	(%)	CHRG	ENRG	
GTR312	26212	869.	0.	0.	-869.	687.	411.	50.	50.	1.86	0.22	0.21	42.9	1.74	119.9	0	38.9	1.05	145
GTR312	26212	1448.	0.	0.	-1448.	921.	1192.	50.	145.	2.27	0.22	0.31	56.0	2.27	106.1	0	44.0	1.19	132
GTR316	26212	870.	0.	0.	-870.	687.	411.	50.	50.	1.89	0.22	0.21	43.8	1.77	122.1	0	39.1	1.05	144
GTR316	26212	1438.	0.	0.	-1438.	915.	1173.	50.	143.	2.31	0.22	0.31	57.3	2.32	109.1	0	44.2	1.19	132
FCPADS	26212	924.	0.	0.	-924.	687.	411.	50.	50.	6.71	0.22	0.16	57.1	2.31	152.6	0	47.3	1.28	139
FCPADS	26212	2824.	0.	0.	-2824.	1336.	2502.	50.	314.	34.74	0.22	0.28	189.6	7.68	203.7	0	109.2	2.94	138
FCMCDS	26212	865.	0.	0.	-865.	687.	411.	50.	50.	6.39	0.22	0.21	59.1	2.40	165.6	0	45.0	1.21	143
FCMCDS	26212	2060.	0.	0.	-2060.	1175.	2042.	50.	249.	26.14	0.22	0.36	164.2	6.65	232.2	0	82.1	2.21	136

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SUMMARY OF FUEL SAVED BY TYPE & ECONOMICS

ECS	PROCS	FUEL USE IN BTU*10**6 **COGENERATION CASE** DISTIL	RESIDL	COAL	**NOCOGEN - COGEN** DISTIL	RESIDL	COAL		POWER REQD MW	COGEN POWER MW	O&M	POWER /HEAT RATIO	FESR	CAPITAL COST *10**6	NORM COST	$/KW EQVL	ROI (%)	LEVL CHRG	NORM ENRG	WRTH
ONOCGN	26214	0.	530.	238.	0.	0.	0.		29.	0.	0.96	0.16	0.	21.5	1.00	102.2	0	26.6	1.00	80
STM141	26214	0.	575.	0.	0.	-45.	238.		29.	29.	1.40	0.16	0.25	24.4	1.14	100.0	73	21.6	0.81	154
STM141	26214	0.	615.	0.	0.	-61.	320.		29.	39.	1.17	0.16	0.30	24.2	1.13	94.4	91	20.7	0.78	147
STM141	26214	0.	0.	575.	0.	530.	-337.	F	29.	29.	3.00	0.16	0.25	48.8	2.27	199.5	22	18.5	0.69	136
STM141	26214	0.	0.	615.	0.	554.	-295.	F	29.	39.	2.75	0.16	0.30	52.2	2.43	203.9	22	17.4	0.65	128
STM141	26214	0.	0.	575.	0.	530.	-337.	A	29.	29.	2.94	0.16	0.25	43.6	2.03	178.3	26	17.9	0.67	137
STM141	26214	0.	0.	615.	0.	554.	-295.	A	29.	39.	2.50	0.16	0.30	37.0	1.72	144.6	40	15.5	0.58	132
STM088	26214	0.	575.	2.	0.	-45.	236.		29.	29.	1.10	0.16	0.25	21.9	1.02	89.7	999	21.1	0.79	145
STM088	26214	0.	1.	576.	0.	529.	-338.	F	29.	29.	2.58	0.16	0.25	48.8	2.27	200.1	22	18.1	0.68	125
STM088	26214	0.	1.	576.	0.	529.	-338.	A	29.	29.	2.42	0.16	0.25	35.6	1.66	145.9	40	16.5	0.62	129
PFBSTM	26214	0.	0.	579.	0.	530.	-341.		29.	29.	3.70	0.16	0.25	51.1	2.38	208.2	19	19.5	0.73	135
PFBSTM	26214	0.	0.	716.	0.	611.	-206.		29.	62.	4.26	0.16	0.36	52.2	2.43	182.7	24	16.2	0.61	129
TISTMT	26214	0.	578.	0.	0.	-48.	238.		29.	29.	2.67	0.16	0.25	73.7	3.43	300.3	2	28.3	1.06	138
TISTMT	26214	0.	676.	0.	0.	-88.	434.		29.	53.	3.39	0.16	0.34	101.2	4.71	369.2	0	30.4	1.14	133
TISTMT	26214	0.	0.	578.	0.	530.	-340.		29.	29.	4.27	0.16	0.25	99.7	4.64	406.6	6	25.3	0.95	132
TISTMT	26214	0.	0.	799.	0.	661.	-121.		29.	83.	5.79	0.16	0.40	169.3	7.88	546.1	4	27.9	1.05	125
TIHRSG	26214	0.	703.	0.	0.	-173.	238.		29.	29.	3.14	0.16	0.08	98.0	4.56	377.3	0	35.0	1.31	120
TIHRSG	26214	0.	614.	34.	0.	-84.	204.		29.	25.	2.92	0.16	0.16	88.9	4.14	351.6	0	32.1	1.20	117
TIHRSG	26214	0.	0.	628.	0.	530.	-390.		29.	29.	4.97	0.16	0.18	131.9	6.14	507.6	2	30.4	1.14	125
TIHRSG	26214	0.	0.	686.	0.	554.	-356.		29.	39.	5.07	0.16	0.22	149.5	6.96	540.1	1	31.5	1.18	118
STIRL	26214	631.	0.	0.	-631.	530.	238.		29.	29.	1.74	0.16	0.18	38.4	1.79	147.3	0	29.4	1.11	142
STIRL	26214	817.	0.	0.	-817.	607.	496.		29.	60.	2.09	0.16	0.26	50.5	2.35	160.3	0	32.0	1.20	132
STIRL	26214	0.	631.	0.	0.	-101.	238.		29.	29.	1.74	0.16	0.18	38.4	1.79	147.4	11	25.1	0.94	138
STIRL	26214	0.	817.	0.	0.	-211.	496.		29.	60.	2.09	0.16	0.26	50.6	2.36	160.5	6	26.3	0.99	126
STIRL	26214	0.	0.	631.	0.	530.	-393.		29.	29.	3.38	0.16	0.18	64.1	2.98	245.6	13	21.3	0.80	125
STIRL	26214	0.	0.	1020.	0.	690.	-245.		29.	94.	4.67	0.16	0.30	117.4	5.46	313.3	8	22.5	0.84	107
HEGT85	26214	0.	0.	724.	0.	530.	-486.	A	29.	29.	3.79	0.16	0.06	82.1	3.82	285.0	6	25.5	0.96	110
HEGT85	26214	0.	0.	4901.	0.	1649.	-915.	A	29.	485.	18.23	0.16	0.13	487.4	22.68	322.3	0	69.4	2.60	99
HEGT60	26214	0.	0.	710.	0.	530.	-472.	A	29.	29.	3.73	0.16	0.08	79.3	3.69	279.4	7	24.9	0.94	112
HEGT60	26214	0.	0.	1840.	0.	850.	-532.	A	29.	159.	7.23	0.16	0.15	179.2	8.34	291.4	0	34.0	1.28	82
HEGT00	26214	0.	0.	698.	0.	530.	-460.	A	29.	29.	3.67	0.16	0.09	75.6	3.52	269.5	8	24.2	0.91	114
HEGT00	26214	0.	0.	990.	0.	617.	-461.	A	29.	64.	4.25	0.16	0.14	98.3	4.58	268.7	6	25.6	0.96	100
FCMCCL	26214	0.	0.	862.	0.	530.	-624.		29.	29.	4.02	0.16	-0.12	73.4	3.42	290.7	3	27.5	1.03	91
FCMCCL	26214	0.	0.	1289.	0.	740.	-346.		29.	115.	6.89	0.16	0.23	119.0	5.54	315.0	5	26.3	0.99	97
FCSTCL	26214	0.	0.	855.	0.	530.	-617.		29.	29.	3.92	0.16	-0.11	71.2	3.31	284.1	4	27.0	1.01	92
FCSTCL	26214	0.	0.	1562.	0.	895.	-102.		29.	178.	8.45	0.16	0.34	145.3	6.76	317.6	7	23.4	0.88	95
IGGTST	26214	0.	0.	890.	0.	530.	-652.		29.	29.	3.32	0.16	-0.16	68.4	3.18	262.1	5	26.7	1.00	87
IGGTST	26214	0.	0.	1456.	0.	763.	-436.		29.	124.	3.87	0.16	0.18	115.4	5.37	270.4	7	24.0	0.90	87
GTSOAR	26214	0.	630.	0.	0.	-100.	238.		29.	29.	1.49	0.16	0.18	31.4	1.46	120.7	20	24.1	0.90	141
GTSOAR	26214	0.	920.	0.	0.	-269.	642.		29.	78.	1.76	0.16	0.29	40.0	1.86	115.7	12	24.5	0.92	128
GTAC08	26214	0.	603.	0.	0.	-74.	238.		29.	29.	1.44	0.16	0.21	29.5	1.37	116.8	30	23.0	0.86	146
GTAC08	26214	0.	758.	0.	0.	-152.	492.		29.	60.	1.50	0.16	0.31	30.8	1.43	103.3	32	21.9	0.82	139
GTAC12	26214	0.	606.	0.	0.	-76.	238.		29.	29.	1.46	0.16	0.21	30.2	1.41	119.3	27	23.2	0.87	145

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SUMMARY OF FUEL SAVED BY TYPE & ECONOMICS

		FUEL USE IN BTU*10**6																
		COGENERATION CASE			**NOCOGEN - COGEN**			POWER	COGEN	O&M	POWER	FESR	CAPITAL	NORM	$/KW	ROI	LEVL	NORM WRTH
ECS	PROCS	DISTIL	RESIDL	COAL	DISTIL	RESIDL	COAL	REQD MW	POWER MW		/HEAT RATIO		COST *10**6	COST	EQVL	(%)	CHRG	ENRG
GTAC12	26214	0.	840.	0.	0.	-197.	617.	29.	75.	1.64	0.16	0.33	35.6	1.66	110.5	23	22.1	0.83 134
GTAC16	26214	0.	609.	0.	0.	-79.	238.	29.	29.	1.48	0.16	0.21	31.1	1.45	122.1	24	23.4	0.88 144
GTAC16	26214	0.	902.	0.	0.	-234.	701.	29.	85.	1.75	0.16	0.34	39.8	1.85	117.0	18	22.6	0.85 130
GTWC16	26214	0.	623.	0.	0.	-93.	238.	29.	29.	1.48	0.16	0.19	30.9	1.44	119.6	22	23.8	0.89 142
GTWC16	26214	0.	964.	0.	0.	-287.	731.	29.	89.	1.73	0.16	0.32	38.2	1.78	106.7	16	23.6	0.89 128
CC1626	26214	0.	625.	0.	0.	-95.	238.	29.	29.	1.58	0.16	0.19	31.1	1.45	120.2	20	24.0	0.90 142
CC1626	26214	0.	1276.	0.	0.	-467.	1173.	29.	143.	2.26	0.16	0.36	51.7	2.41	115.0	9	24.8	0.93 116
CC1622	26214	0.	618.	0.	0.	-88.	238.	29.	29.	1.58	0.16	0.20	31.1	1.45	121.1	21	23.8	0.89 143
CC1622	26214	0.	1163.	0.	0.	-389.	1056.	29.	129.	2.23	0.16	0.36	52.3	2.44	125.6	10	24.1	0.91 119
CC1222	26214	0.	616.	0.	0.	-86.	238.	29.	29.	1.57	0.16	0.20	30.5	1.42	118.8	22	23.7	0.89 144
CC1222	26214	0.	1154.	0.	0.	-381.	1051.	29.	128.	2.19	0.16	0.37	49.7	2.32	120.1	12	23.6	0.89 120
CC0822	26214	0.	606.	0.	0.	-76.	238.	29.	29.	1.56	0.16	0.21	30.3	1.41	119.6	24	23.3	0.88 145
CC0822	26214	0.	975.	0.	0.	-266.	838.	29.	102.	1.92	0.16	0.37	40.3	1.88	111.5	19	21.9	0.82 128
STIG15	26214	0.	715.	0.	0.	-185.	238.	29.	29.	1.82	0.16	0.07	34.5	1.61	120.9	0	27.3	1.03 128
STIG15	26214	0.	30000.	0.	0.	-21326.	27563.	29.	3350.	50.80	0.16	0.17	826.8	35.48	93.2	0	410.6	15.42 423
STIG10	26214	0.	691.	0.	0.	-161.	238.	29.	29.	1.63	0.16	0.10	30.3	1.41	109.0	10	26.0	0.98 134
STIG10	26214	0.	2943.	0.	0.	-1725.	2543.	29.	310.	5.18	0.16	0.22	97.2	4.53	103.6	0	50.9	1.91 103
STIG1S	26214	0.	681.	0.	0.	-151.	238.	29.	29.	1.64	0.16	0.11	29.9	1.39	108.7	13	25.6	0.96 135
STIG1S	26214	0.	1850.	0.	0.	-946.	1492.	29.	182.	3.48	0.16	0.23	59.4	2.76	96.1	0	36.7	1.38 104
DEADV3	26214	0.	661.	0.	0.	-131.	238.	29.	29.	1.77	0.16	0.14	40.5	1.88	150.1	6	26.3	0.99 133
DEADV3	26214	0.	1903.	0.	0.	-936.	1698.	29.	207.	4.56	0.16	0.29	141.9	6.61	224.1	0	43.2	1.62 105
DEHTPM	26214	0.	609.	0.	0.	-79.	238.	29.	29.	1.87	0.16	0.21	41.8	1.95	164.5	11	24.9	0.93 139
DEHTPM	26214	0.	910.	0.	0.	-237.	716.	29.	87.	2.81	0.16	0.34	74.7	3.48	218.0	4	27.2	1.02 124
DESOA3	26214	678.	0.	0.	-678.	530.	238.	29.	29.	1.90	0.16	0.12	45.2	2.10	164.8	0	32.1	1.20 133
DESOA3	26214	2281.	0.	0.	-2281.	1051.	1901.	29.	241.	6.10	0.16	0.25	201.6	9.38	270.8	0	71.6	2.69 122
DESOA3	26214	0.	678.	0.	0.	-148.	238.	29.	29.	1.90	0.16	0.12	45.2	2.10	164.8	2	27.4	1.03 129
DESOA3	26214	0.	2281.	0.	0.	-1230.	1901.	29.	241.	6.10	0.16	0.25	201.6	9.38	270.8	0	55.9	2.10 107
GTSOAD	26214	614.	0.	0.	-614.	530.	238.	29.	29.	1.43	0.16	0.20	29.0	1.35	113.3	0	27.5	1.03 149
GTSOAD	26214	847.	0.	0.	-847.	637.	595.	29.	72.	1.55	0.16	0.31	32.0	1.49	90.9	0	28.2	1.06 140
GTRA08	26214	626.	0.	0.	-626.	530.	238.	29.	29.	1.51	0.16	0.18	32.3	1.50	124.6	0	28.4	1.07 145
GTRA08	26214	1160.	0.	0.	-1160.	756.	998.	29.	121.	2.10	0.16	0.34	51.8	2.41	124.7	0	33.1	1.24 126
GTRA12	26214	623.	0.	0.	-623.	530.	238.	29.	29.	1.51	0.16	0.19	32.5	1.51	126.0	0	28.3	1.06 145
GTRA12	26214	1127.	0.	0.	-1127.	749.	970.	29.	118.	2.10	0.16	0.34	52.3	2.43	128.8	0	32.5	1.22 127
GTRA16	26214	621.	0.	0.	-621.	530.	238.	29.	29.	1.53	0.16	0.19	33.3	1.55	129.2	0	28.3	1.06 145
GTRA16	26214	1076.	0.	0.	-1076.	729.	904.	29.	110.	2.10	0.16	0.34	52.4	2.44	133.9	0	32.2	1.21 128
GTR208	26214	622.	0.	0.	-622.	530.	238.	29.	29.	1.48	0.16	0.19	31.3	1.46	121.2	0	28.1	1.05 146
GTR208	26214	970.	0.	0.	-970.	682.	747.	29.	91.	1.84	0.16	0.32	42.7	1.99	118.7	0	30.7	1.15 132
GTR212	26214	622.	0.	0.	-622.	530.	238.	29.	29.	1.50	0.16	0.19	31.0	1.48	123.3	0	28.2	1.06 146
GTR212	26214	1009.	0.	0.	-1009.	698.	801.	29.	98.	1.91	0.16	0.33	45.4	2.11	122.3	0	31.2	1.17 131
GTR216	26214	619.	0.	0.	-619.	530.	238.	29.	29.	1.51	0.16	0.19	32.5	1.51	126.2	0	28.1	1.06 146
GTR216	26214	1013.	0.	0.	-1013.	704.	821.	29.	100.	1.98	0.16	0.34	48.2	2.24	129.2	0	31.2	1.17 130
GTRW08	26214	649.	0.	0.	-649.	530.	230.	29.	29.	1.51	0.16	0.16	32.2	1.50	121.0	0	29.2	1.10 142
GTRW08	26214	1406.	0.	0.	-1405.	814.	1188.	29.	145.	2.18	0.16	0.30	53.7	2.50	110.1	0	38.1	1.43 120
GTRW12	26214	640.	0.	0.	-640.	530.	238.	29.	29.	1.50	0.16	0.17	32.2	1.50	122.1	0	28.9	1.08 143

		----------FUEL USE IN BTU*10**6----------																
		COGENERATION CASE			**NOCOGEN - COGEN**			POWER	COGEN	O&M	POWER	FESR	CAPITAL	NORM	$/KW	ROI	LEVL	NORM	WRTH
ECS	PROCS	DISTIL	RESIDL	COAL	DISTIL	RESIDL	COAL	REQD MW	POWER MW		/HEAT RATIO		COST *10**6	COST	EQVL	(%)	CHRG	ENRG	
GTRW12	26214	1376.	0.	0.	-1376.	819.	1205.	29.	147.	2.18	0.16	0.32	54.0	2.51	112.8	0	36.6	1.37	121
GTRW16	26214	638.	0.	0.	-638.	530.	238.	29.	29.	1.52	0.16	0.17	32.7	1.52	124.4	0	28.9	1.08	143
GTRW16	26214	1297.	0.	0.	-1297.	792.	1115.	29.	136.	2.16	0.16	0.32	53.5	2.49	117.2	0	35.7	1.34	122
GTR308	26214	658.	0.	0.	-658.	530.	238.	29.	29.	1.50	0.16	0.14	31.4	1.46	116.8	0	29.4	1.11	142
GTR308	26214	1216.	0.	0.	-1216.	730.	907.	29.	110.	1.90	0.16	0.26	43.6	2.03	100.9	0	36.2	1.36	124
GTR312	26214	635.	0.	0.	-635.	530.	238.	29.	29.	1.49	0.16	0.17	31.3	1.46	119.6	0	28.6	1.07	145
GTR312	26214	1177.	0.	0.	-1177.	748.	968.	29.	118.	1.97	0.16	0.31	46.7	2.18	111.1	0	33.7	1.27	126
GTR316	26214	636.	0.	0.	-636.	530.	238.	29.	29.	1.50	0.16	0.17	32.0	1.49	121.8	0	28.7	1.08	144
GTR316	26214	1169.	0.	0.	-1169.	744.	953.	29.	116.	2.00	0.16	0.31	47.9	2.23	114.4	0	33.9	1.27	126
FCPADS	26214	667.	0.	0.	-667.	530.	238.	29.	29.	4.23	0.16	0.13	36.6	1.80	142.2	0	33.3	1.25	139
FCPADS	26214	2294.	0.	0.	-2294.	1085.	2098.	29.	255.	28.29	0.16	0.28	153.7	7.15	205.5	0	86.5	3.25	141
FCMCDS	26214	633.	0.	0.	-633.	530.	238.	29.	29.	4.04	0.16	0.18	39.8	1.85	152.3	0	32.0	1.20	143
FCMCDS	26214	1674.	0.	0.	-1674.	954.	1659.	29.	202.	21.30	0.16	0.36	133.2	6.20	235.2	0	64.5	2.42	135

		----------FUEL USE IN BTU*10**6----------																
		COGENERATION CASE			**NOCOGEN - COGEN**			POWER	COGEN	O&M	POWER	FESR	CAPITAL	NORM	$/KW	ROI	LEVL	NORM	WRTH
ECS	PROCS	DISTIL	RESIDL	COAL	DISTIL	RESIDL	COAL	REQD MW	POWER MW		/HEAT RATIO		COST *10**6	COST	EQVL	(%)	CHRG	ENRG	
ONOCON	26216	0.	410.	54.	0.	0.	0.	20.	0.	0.65	0.22	0.	12.4	1.00	117.0	0	19.5	1.00	80
STM141	26216	0.	439.	15.	0.	-20.	149.	20.	18.	0.79	0.22	0.21	13.1	1.06	102.9	157	16.1	0.83	140
STM141	26216	0.	5.	449.	0.	406.	-285. F	20.	18.	1.66	0.22	0.21	27.1	2.19	213.0	29	12.9	0.66	120
STM141	26216	0.	5.	449.	0.	406.	-285. A	20.	18.	1.49	0.22	0.21	19.5	1.58	153.7	54	11.9	0.61	125
STM088	26216	0.	431.	57.	0.	-20.	107.	20.	13.	0.78	0.22	0.15	13.1	1.06	107.9	114	17.1	0.88	132
STM088	26216	0.	17.	471.	0.	393.	-306. F	20.	13.	1.56	0.22	0.16	25.1	2.02	206.8	28	13.9	0.71	114
STM088	26216	0.	17.	471.	0.	393.	-306. A	20.	13.	1.44	0.22	0.15	18.5	1.49	152.6	54	13.0	0.67	119
PFBSTM	26216	0.	0.	444.	0.	410.	-280.	20.	20.	2.59	0.22	0.23	34.3	2.77	283.5	19	14.2	0.73	130
PFBSTM	26216	0.	0.	485.	0.	434.	-241.	20.	30.	2.51	0.22	0.29	32.6	2.64	229.9	23	12.8	0.66	124
TISTMT	26216	0.	444.	0.	0.	-33.	164.	20.	20.	1.97	0.22	0.23	51.7	4.18	397.9	1	21.1	1.09	134
TISTMT	26216	0.	525.	0.	0.	-66.	326.	20.	40.	2.49	0.22	0.33	79.2	6.40	514.8	0	23.3	1.20	129
TISTMT	26216	0.	0.	444.	0.	410.	-279.	20.	20.	3.11	0.22	0.23	72.2	5.83	555.4	6	18.8	0.97	127
TISTMT	26216	0.	0.	525.	0.	459.	-199.	20.	40.	3.56	0.22	0.33	100.3	8.10	652.2	4	19.9	1.02	123
TIHRSG	26216	0.	476.	3.	0.	-66.	161.	20.	20.	2.11	0.22	0.17	69.9	5.64	501.7	0	24.1	1.24	116
TIHRSG	26216	0.	1.	479.	0.	409.	-314.	20.	20.	3.12	0.22	0.17	89.6	7.23	642.9	3	21.4	1.10	110
STIRL	26216	480.	0.	0.	-480.	410.	164.	20.	20.	1.18	0.22	0.16	21.6	1.74	153.4	0	21.4	1.10	140
STIRL	26216	643.	0.	0.	-643.	478.	390.	20.	48.	1.34	0.22	0.26	34.4	2.77	182.2	0	23.7	1.22	127
STIRL	26216	0.	480.	0.	0.	-70.	164.	20.	20.	1.18	0.22	0.16	21.6	1.74	153.5	14	18.1	0.93	136
STIRL	26216	0.	643.	0.	0.	-166.	390.	20.	48.	1.34	0.22	0.26	34.4	2.78	182.5	5	19.3	0.99	121
STIRL	26216	0.	0.	480.	0.	410.	-316.	20.	20.	2.32	0.22	0.16	41.0	3.31	291.7	14	15.2	0.78	121
STIRL	26216	0.	0.	643.	0.	478.	-253.	20.	48.	2.64	0.22	0.26	60.5	4.89	320.9	11	15.1	0.78	108
HEGT85	26216	0.	0.	544.	0.	410.	-380. A	20.	20.	2.73	0.22	0.06	59.3	4.78	371.6	6	18.8	0.97	107
HEGT85	26216	0.	0.	2597.	0.	960.	-591. A	20.	244.	9.43	0.22	0.12	245.2	19.80	322.3	0	38.5	1.98	83
HEGT60	26216	0.	0.	535.	0.	410.	-370. A	20.	20.	2.67	0.22	0.07	56.9	4.59	363.2	7	18.3	0.94	109
HEGT60	26216	0.	0.	1056.	0.	558.	-398. A	20.	80.	4.33	0.22	0.13	110.3	8.91	356.4	1	23.3	1.20	85
HEGT00	26216	0.	0.	526.	0.	410.	-362. A	20.	20.	2.56	0.22	0.08	53.0	4.27	343.5	8	17.6	0.91	111
HEGT00	26216	0.	0.	629.	0.	441.	-362. A	20.	32.	2.57	0.22	0.11	60.5	4.88	328.3	7	17.8	0.92	100
FCMCCL	26216	0.	0.	461.	0.	410.	-296.	20.	20.	2.81	0.22	0.20	50.4	4.07	373.3	10	16.6	0.86	124
FCMCCL	26216	0.	0.	649.	0.	503.	-174.	20.	58.	3.96	0.22	0.34	72.2	5.83	379.8	9	16.1	0.83	113
FCSTCL	26216	0.	0.	456.	0.	410.	-292.	20.	20.	2.78	0.22	0.21	49.1	3.96	367.0	10	16.3	0.84	125
FCSTCL	26216	0.	0.	775.	0.	575.	-61.	20.	87.	4.82	0.22	0.40	87.0	7.02	383.0	9	15.2	0.78	108
IGGTST	26216	0.	0.	481.	0.	410.	-317.	20.	20.	2.40	0.22	0.16	47.9	3.87	340.0	11	16.2	0.83	120
IGGTST	26216	0.	0.	723.	0.	509.	-227.	20.	60.	2.48	0.22	0.28	67.5	5.45	318.7	10	14.9	0.77	104
GTSOAR	26216	0.	479.	0.	0.	-69.	164.	20.	20.	1.03	0.22	0.17	18.0	1.45	128.3	24	17.6	0.90	139
GTSOAR	26216	0.	724.	0.	0.	-212.	505.	20.	62.	1.07	0.22	0.29	26.1	2.11	123.0	12	17.9	0.92	122
GTAC08	26216	0.	461.	0.	0.	-51.	164.	20.	20.	0.99	0.22	0.20	16.6	1.34	122.6	38	16.8	0.86	144
GTAC08	26216	0.	597.	0.	0.	-120.	308.	20.	47.	0.90	0.22	0.31	20.3	1.64	115.9	29	16.0	0.82	133
GTAC12	26216	0.	463.	0.	0.	-53.	164.	20.	20.	1.00	0.22	0.19	17.0	1.37	125.1	34	16.9	0.87	144
GTAC12	26216	0.	661.	0.	0.	-155.	485.	20.	59.	1.01	0.22	0.33	24.1	1.95	124.5	21	16.2	0.83	128
GTAC16	26216	0.	465.	0.	0.	-55.	164.	20.	20.	1.01	0.22	0.19	17.6	1.42	128.8	30	17.1	0.88	142
GTAC16	26216	0.	710.	0.	0.	-184.	552.	20.	67.	1.11	0.22	0.34	27.6	2.23	132.7	17	16.6	0.85	124
GTWC16	26216	0.	475.	0.	0.	-64.	164.	20.	20.	1.02	0.22	0.17	17.7	1.42	126.9	27	17.4	0.89	141
GTWC16	26216	0.	759.	0.	0.	-226.	575.	20.	70.	1.09	0.22	0.32	26.7	2.15	120.0	14	17.4	0.89	121

GENERAL ELECTRIC COMPANY
COGENERATION TECHNOLOGY ALTERNATIVES STUDY
REPORT 5.2
SUMMARY OF FUEL SAVED BY TYPE & ECONOMICS

		FUEL USE IN BTU*10**6																
		COGENERATION CASE			**NOCOGEN - COGEN**			POWER	COGEN	O&M	POWER	FESR	CAPITAL	NORM	$/KW	ROI	LEVL	NORM	WRTH
ECS	PROCS	DISTIL	RESIDL	COAL	DISTIL	RESIDL	COAL	REQD MW	POWER MW		/HEAT RATIO		COST *10**6	COST	EQVL	(%)	CHRG	ENRG	
CC1626	26216	0.	476.	0.	0.	-66.	164.	20.	20.	1.12	0.22	0.17	17.8	1.44	127.7	23	17.6	0.90	140
CC1626	26216	0.	991.	0.	0.	-361.	900.	20.	110.	1.50	0.22	0.35	35.7	2.88	123.0	9	18.2	0.94	110
CC1622	26216	0.	471.	0.	0.	-61.	164.	20.	20.	1.11	0.22	0.18	17.7	1.42	127.8	25	17.4	0.89	141
CC1622	26216	0.	904.	0.	0.	-300.	810.	20.	99.	1.46	0.22	0.36	35.6	2.87	134.4	10	17.7	0.91	113
CC1222	26216	0.	470.	0.	0.	-60.	164.	20.	20.	1.10	0.22	0.18	17.2	1.39	124.7	27	17.3	0.89	142
CC1222	26216	0.	896.	0.	0.	-294.	806.	20.	98.	1.43	0.22	0.36	33.7	2.72	120.3	12	17.3	0.89	114
CC0822	26216	0.	463.	0.	0.	-52.	164.	20.	20.	1.10	0.22	0.19	17.2	1.39	126.7	30	17.1	0.88	144
CC0822	26216	0.	757.	0.	0.	-205.	640.	20.	78.	1.26	0.22	0.37	27.9	2.26	126.0	17	16.2	0.83	122
STI615	26216	0.	538.	0.	0.	-127.	164.	20.	20.	1.31	0.22	0.06	22.1	1.78	140.3	0	20.1	1.03	126
STI615	26216	0.	23615.	0.	0.	-16787.	21650.	20.	2637.	39.96	0.22	0.17	651.1	52.57	94.1	0	322.7	16.58	452
STI610	26216	0.	522.	0.	0.	-111.	164.	20.	20.	1.16	0.22	0.09	18.4	1.49	120.6	10	19.0	0.98	132
STI610	26216	0.	2317.	0.	0.	-1358.	2002.	20.	244.	3.83	0.22	0.22	72.6	5.86	107.0	0	38.9	2.00	102
STI615	26216	0.	514.	0.	0.	-104.	164.	20.	20.	1.16	0.22	0.10	18.1	1.46	120.4	12	18.8	0.97	133
STI615	26216	0.	1456.	0.	0.	-744.	1175.	20.	143.	2.51	0.22	0.23	44.3	3.58	103.9	0	27.8	1.43	99
DEADV3	26216	0.	501.	0.	0.	-91.	164.	20.	20.	1.24	0.22	0.13	24.3	1.97	165.9	7	19.1	0.98	130
DEADV3	26216	0.	1498.	0.	0.	-737.	1337.	20.	163.	3.32	0.22	0.29	106.9	8.63	243.5	0	32.7	1.68	102
DEHTPM	26216	0.	465.	0.	0.	-54.	164.	20.	20.	1.28	0.22	0.19	23.9	1.93	175.4	13	18.0	0.92	137
DEHTPM	26216	0.	717.	0.	0.	-187.	564.	20.	69.	1.92	0.22	0.34	53.4	4.31	254.4	4	20.0	1.03	118
DESOA3	26216	512.	0.	0.	-512.	410.	164.	20.	20.	1.33	0.22	0.11	27.6	2.23	164.0	0	23.4	1.20	131
DESOA3	26216	1796.	0.	0.	-1796.	827.	1560.	20.	190.	4.54	0.22	0.25	154.0	12.43	292.6	0	55.1	2.83	123
DESOA3	26216	0.	512.	0.	0.	-102.	164.	20.	20.	1.33	0.22	0.11	27.6	2.23	184.0	2	19.9	1.02	127
DESOA3	26216	0.	1796.	0.	0.	-968.	1560.	20.	190.	4.54	0.22	0.25	154.0	12.43	292.6	0	42.7	2.19	107
GTSOAD	26216	468.	0.	0.	-468.	410.	164.	20.	20.	0.98	0.22	0.18	16.1	1.30	117.3	0	20.2	1.04	148
GTSOAD	26216	667.	0.	0.	-667.	501.	468.	20.	57.	0.94	0.22	0.31	21.3	1.72	109.0	0	21.0	1.08	135
GTRA08	26216	477.	0.	0.	-477.	410.	164.	20.	20.	1.04	0.22	0.17	18.6	1.50	133.3	0	20.9	1.07	143
GTRA08	26216	913.	0.	0.	-913.	595.	784.	20.	96.	1.41	0.22	0.34	38.1	3.07	142.2	0	25.0	1.28	120
GTRA12	26216	474.	0.	0.	-474.	410.	164.	20.	20.	1.04	0.22	0.17	18.7	1.51	134.9	0	20.8	1.07	144
GTRA12	26216	887.	0.	0.	-887.	589.	764.	20.	93.	1.36	0.22	0.34	36.2	2.93	139.5	0	24.2	1.24	121
GTRA16	26216	473.	0.	0.	-473.	410.	164.	20.	20.	1.06	0.22	0.18	19.3	1.56	139.4	0	20.8	1.07	143
GTRA16	26216	847.	0.	0.	-847.	574.	711.	20.	87.	1.35	0.22	0.34	36.4	2.94	146.5	0	24.0	1.23	122
GTR208	26216	474.	0.	0.	-474.	410.	164.	20.	20.	1.02	0.22	0.18	17.8	1.44	128.5	0	20.6	1.06	145
GTR208	26216	764.	0.	0.	-764.	537.	588.	20.	72.	1.13	0.22	0.32	28.3	2.29	126.6	0	22.7	1.17	127
GTR212	26216	474.	0.	0.	-474.	410.	164.	20.	20.	1.03	0.22	0.17	18.2	1.47	131.3	0	20.7	1.06	144
GTR212	26216	794.	0.	0.	-794.	550.	631.	20.	77.	1.20	0.22	0.33	30.6	2.47	131.4	0	23.2	1.19	125
GTR216	26216	472.	0.	0.	-472.	410.	164.	20.	20.	1.04	0.22	0.18	18.7	1.51	135.2	0	20.7	1.06	144
GTR216	26216	797.	0.	0.	-797.	554.	647.	20.	79.	1.25	0.22	0.34	32.8	2.65	140.3	0	23.2	1.19	124
GTRW08	26216	492.	0.	0.	-492.	410.	164.	20.	20.	1.05	0.22	0.14	18.6	1.50	129.0	0	21.4	1.10	141
GTRW08	26216	1107.	0.	0.	-1107.	640.	935.	20.	114.	1.43	0.22	0.30	37.9	3.06	116.8	0	28.7	1.47	115
GTRW12	26216	486.	0.	0.	-486.	410.	164.	20.	20.	1.04	0.22	0.15	18.6	1.50	130.5	0	21.2	1.09	142
GTRW12	26216	1083.	0.	0.	-1083.	644.	949.	20.	116.	1.44	0.22	0.32	38.1	3.08	120.2	0	27.5	1.41	116
GTRW16	26216	485.	0.	0.	-485.	410.	164.	20.	20.	1.05	0.22	0.16	19.0	1.54	134.0	0	21.2	1.09	142
GTRW16	26216	1021.	0.	0.	-1021.	623.	877.	20.	107.	1.41	0.22	0.32	37.7	3.04	125.9	0	26.8	1.38	117
GTR308	26216	498.	0.	0.	-498.	410.	164.	20.	20.	1.03	0.22	0.13	17.9	1.45	122.9	0	21.6	1.11	141
GTR308	26216	957.	0.	0.	-957.	574.	714.	20.	87.	1.24	0.22	0.26	31.2	2.52	111.2	0	27.4	1.41	118

GENERAL ELECTRIC COMPANY
COGENERATION TECHNOLOGY ALTERNATIVES STUDY
REPORT 5.2
SUMMARY OF FUEL SAVED BY TYPE & ECONOMICS

ECS	PROCS	FUEL USE IN BTU*10**6 **COGENERATION CASE** DISTIL	RESIDL	COAL	**NOCOGEN - COGEN** DISTIL	RESIDL	COAL	POWER REQD MW	COGEN POWER MW	O&M	POWER /HEAT RATIO	FESR	CAPITAL COST *10**6	NORM COST	$/KW EQVL	ROI (%)	LEVL CHRG	NORM ENRG	WRTH
GTR312	26216	483.	0.	0.	-483.	410.	164.	20.	20.	1.03	0.22	0.16	18.0	1.45	126.9	0	21.0	1.08	143
GTR312	26216	926.	0.	0.	-926.	589.	762.	20.	93.	1.25	0.22	0.31	31.9	2.58	117.6	0	25.2	1.29	120
GTR316	26216	483.	0.	0.	-483.	410.	164.	20.	20.	1.04	0.22	0.16	18.4	1.49	130.2	0	21.1	1.08	143
GTR316	26216	920.	0.	0.	-920.	585.	750.	20.	91.	1.28	0.22	0.31	32.9	2.66	122.1	0	25.4	1.30	120
FCPADS	26216	505.	0.	0.	-505.	410.	164.	20.	20.	2.90	0.22	0.12	23.0	1.86	155.6	0	24.2	1.25	137
FCPADS	26216	1806.	0.	0.	-1806.	854.	1651.	20.	201.	21.96	0.22	0.28	116.5	9.40	220.1	0	66.8	3.43	143
FCMCDS	26216	481.	0.	0.	-481.	410.	164.	20.	20.	2.77	0.22	0.16	23.8	1.92	168.6	0	23.3	1.20	140
FCMCDS	26216	1318.	0.	0.	-1318.	751.	1306.	20.	159.	16.44	0.22	0.36	99.9	8.07	258.8	0	49.4	2.54	134

ECS	PROCS	FUEL USE IN BTU*10**6 — **COGENERATION CASE** DISTIL	RESIDL	COAL	**NOCOGEN - COGEN** DISTIL	RESIDL	COAL	POWER REQD MW	COGEN POWER MW	O&M	POWER /HEAT RATIO	FESR	CAPITAL COST *10**6	NORM COST	$/KW EQVL	ROI (%)	LEVL CHRG	NORM ENRG	WRTH
ONOCGN	26217	0.	292.	257.	0.	0.	0.	31.	0.	0.43	0.58	0.	5.8	1.00	91.4	0	17.7	1.00	80
STM141	26217	0.	307.	176.	0.	-15.	81.	31.	10.	0.62	0.58	0.12	9.2	1.60	123.5	26	16.3	0.92	113
STM141	26217	0.	53.	431.	0.	239.	-174. F	31.	10.	1.22	0.58	0.12	18.6	3.23	249.3	19	14.7	0.83	98
STM141	26217	0.	53.	431.	0.	239.	-174. A	31.	10.	1.09	0.58	0.12	13.9	2.42	186.8	29	14.1	0.79	102
STM088	26217	0.	303.	200.	0.	-11.	57.	31.	7.	0.59	0.53	0.08	8.2	1.42	114.8	25	16.8	0.95	108
STM088	26217	0.	60.	443.	0.	232.	-186. F	31.	7.	1.16	0.58	0.08	17.1	2.97	240.8	18	15.2	0.86	92
STM088	26217	0.	60.	443.	0.	232.	-186. A	31.	7.	1.03	0.58	0.08	13.1	2.28	184.5	27	14.7	0.83	95
PFBSTM	26217	0.	36.	405.	0.	256.	-148.	31.	17.	1.73	0.58	0.20	22.9	3.97	274.1	18	14.0	0.79	103
TISTMT	26217	0.	330.	72.	0.	-38.	185.	31.	23.	1.76	0.58	0.27	53.1	9.21	588.3	1	19.8	1.11	121
TISTMT	26217	0.	22.	380.	0.	270.	-123.	31.	23.	2.50	0.58	0.27	67.5	11.71	747.4	4	18.1	1.02	117
TIHRSG	26217	0.	331.	161.	0.	-39.	96.	31.	12.	1.49	0.58	0.10	47.5	8.23	571.6	0	21.5	1.21	98
TIHRSG	26217	0.	48.	444.	0.	244.	-187.	31.	12.	2.19	0.58	0.10	61.0	10.58	734.5	0	20.2	1.14	94
STIRL	26217	384.	7.	24.	-384.	285.	233.	31.	28.	0.92	0.58	0.24	20.9	3.63	186.1	0	18.5	1.04	125
STIRL	26217	0.	391.	24.	0.	-99.	233.	31.	28.	0.92	0.58	0.24	21.0	3.63	186.4	13	15.8	0.89	122
STIRL	26217	0.	7.	408.	0.	285.	-151.	31.	28.	1.75	0.58	0.24	36.2	6.28	322.2	14	13.3	0.75	112
HEGT85	26217	0.	0.	502.	0.	292.	-245. A	31.	31.	2.92	0.58	0.09	68.5	11.88	466.0	3	19.2	1.08	108
HEGT35	26217	0.	0.	1548.	0.	572.	-352. A	31.	146.	6.38	0.53	0.12	169.9	29.46	374.5	0	30.0	1.69	88
HEGT80	26217	0.	0.	487.	0.	292.	-230. A	31.	31.	2.75	0.58	0.11	63.5	11.01	445.3	4	18.2	1.03	110
HEGT60	26217	0.	0.	630.	0.	333.	-237. A	31.	48.	2.97	0.58	0.13	76.6	13.28	415.0	3	19.2	1.08	100
HEGT00	26217	0.	29.	473.	0.	263.	-216. A	31.	19.	1.78	0.58	0.09	41.9	7.27	382.0	7	16.8	0.95	94
FCTCCL	26217	0.	0.	371.	0.	292.	-114.	31.	31.	2.77	0.58	0.32	49.4	8.58	454.8	9	14.8	0.84	133
FCMCCL	26217	0.	0.	387.	0.	300.	-104.	31.	34.	2.65	0.58	0.34	49.7	8.62	438.6	10	14.4	0.81	123
FCSTCL	26217	0.	0.	365.	0.	292.	-108.	31.	31.	2.85	0.58	0.34	50.0	8.67	467.9	9	14.9	0.84	134
FCSTCL	26217	0.	0.	455.	0.	339.	-42.	31.	50.	3.20	0.58	0.39	59.0	10.24	442.6	9	14.1	0.80	126
IGGTST	26217	0.	0.	404.	0.	292.	-147.	31.	31.	2.06	0.58	0.25	46.9	8.13	395.7	10	14.4	0.81	125
IGGTST	26217	0.	0.	424.	0.	300.	-140.	31.	35.	1.85	0.58	0.27	46.9	8.13	377.1	11	13.9	0.78	115
GTSOAR	26217	0.	400.	0.	0.	-108.	257.	31.	31.	0.92	0.58	0.27	17.5	3.04	149.4	19	15.0	0.84	137
GTSOAR	26217	0.	432.	0.	0.	-126.	301.	31.	37.	0.79	0.58	0.29	17.8	3.10	141.1	19	14.8	0.84	128
GTAC08	26217	0.	263.	26.	0.	-71.	231.	31.	28.	0.67	0.58	0.29	13.8	2.39	132.4	30	14.0	0.79	131
GTAC12	26217	0.	374.	0.	0.	-82.	257.	31.	31.	0.87	0.58	0.32	16.1	2.80	147.1	25	14.0	0.79	143
GTAC12	26217	0.	394.	0.	0.	-93.	289.	31.	35.	0.74	0.58	0.33	16.2	2.81	140.2	26	13.7	0.77	134
GTAC16	26217	0.	378.	0.	0.	-86.	257.	31.	31.	0.93	0.58	0.31	17.4	3.01	156.9	22	14.3	0.81	142
GTAC16	26217	0.	423.	0.	0.	-110.	329.	31.	40.	0.81	0.58	0.34	18.5	3.20	148.9	22	14.0	0.79	133
GTWC16	26217	0.	393.	0.	0.	-101.	257.	31.	31.	0.93	0.58	0.26	17.2	2.99	149.7	20	14.8	0.83	139
GTWC16	26217	0.	452.	0.	0.	-135.	343.	31.	42.	0.81	0.58	0.32	18.4	3.19	138.6	20	14.5	0.82	130
CC1626	26217	0.	396.	0.	0.	-104.	257.	31.	31.	1.10	0.58	0.28	18.1	3.15	155.5	17	15.2	0.85	138
CC1626	26217	0.	582.	0.	0.	-210.	522.	31.	64.	1.12	0.58	0.35	24.1	4.18	141.5	13	15.2	0.86	127
CC1622	26217	0.	388.	0.	0.	-96.	257.	31.	31.	1.08	0.58	0.29	18.1	3.14	159.4	18	14.9	0.84	140
CC1622	26217	0.	531.	0.	0.	-175.	469.	31.	57.	1.07	0.58	0.36	23.4	4.06	150.5	15	14.8	0.83	129
CC1222	26217	0.	386.	0.	0.	-94.	257.	31.	31.	1.07	0.58	0.30	17.4	3.02	153.9	20	14.8	0.83	140
CC1222	26217	0.	526.	0.	0.	-171.	466.	31.	57.	1.05	0.58	0.36	22.2	3.85	143.9	15	14.6	0.82	130
CC0822	26217	0.	375.	0.	0.	-83.	257.	31.	31.	1.04	0.58	0.32	16.9	2.94	154.3	22	14.3	0.81	143
CC0822	26217	0.	444.	0.	0.	-119.	369.	31.	45.	0.94	0.58	0.36	18.7	3.25	143.7	22	13.9	0.78	134

ECS	PROCS	FUEL USE IN BTU*10**6 — **COGENERATION CASE** DISTIL	RESIDL	COAL	**NOCOGEN - COGEN** DISTIL	RESIDL	COAL	POWER REQD MW	COGEN POWER MW	O&M	POWER /HEAT RATIO	FESR	CAPITAL COST *10**6	NORM COST	$/KW EQVL	ROI (%)	LEVL CHRG	NORM ENRG	WRTH
STIG15	26217	0.	491.	0.	0.	-199.	257.	31.	31.	1.32	0.58	0.11	18.8	3.25	130.3	0	18.3	1.03	120
STIG15	26217	0.	14077.	0.	0.	-10007.	12905.	31.	1572.	24.36	0.58	0.17	396.0	68.69	96.0	0	197.5	11.13	315
STIG10	26217	0.	466.	0.	0.	-174.	257.	31.	31.	1.19	0.58	0.15	17.7	3.06	129.3	8	17.3	0.98	125
STIG10	26217	0.	1381.	0.	0.	-809.	1193.	31.	145.	2.46	0.58	0.22	44.5	7.72	109.9	0	27.2	1.54	102
STIG1S	26217	0.	455.	0.	0.	-163.	257.	31.	31.	1.18	0.58	0.17	17.1	2.97	128.3	10	16.9	0.95	128
STIG1S	26217	0.	868.	0.	0.	-444.	700.	31.	85.	1.64	0.58	0.23	27.0	4.69	106.3	0	20.6	1.16	112
DEADV3	26217	0.	434.	0.	0.	-142.	257.	31.	31.	1.28	0.58	0.21	26.7	4.62	209.8	6	17.3	0.98	128
DEADV3	26217	0.	893.	0.	0.	-439.	797.	31.	97.	2.16	0.58	0.29	64.6	11.21	247.0	0	23.5	1.32	113
DEHTPM	26217	0.	377.	0.	0.	-85.	257.	31.	31.	1.31	0.58	0.31	27.4	4.76	248.1	11	15.7	0.89	138
DEHTPM	26217	0.	427.	0.	0.	-111.	336.	31.	41.	1.29	0.58	0.34	32.4	5.62	256.8	10	15.9	0.90	129
DESOA3	26217	452.	0.	0.	-452.	292.	257.	31.	31.	1.42	0.58	0.18	31.8	5.52	240.5	0	21.7	1.22	128
DESOA3	26217	1070.	0.	0.	-1070.	493.	930.	31.	113.	2.90	0.58	0.25	92.8	16.10	296.0	0	36.8	2.08	122
DESOA3	26217	0.	452.	0.	0.	-160.	257.	31.	31.	1.42	0.58	0.18	31.8	5.52	240.5	2	18.6	1.05	123
DESOA3	26217	0.	1070.	0.	0.	-577.	930.	31.	113.	2.90	0.58	0.25	92.8	16.10	296.0	0	29.5	1.66	111
GTSOAD	26217	383.	0.	0.	-383.	292.	257.	31.	31.	0.82	0.58	0.30	14.7	2.54	130.6	13	16.7	0.94	147
GTSOAD	26217	397.	0.	0.	-397.	299.	279.	31.	34.	0.70	0.58	0.31	14.4	2.51	124.1	14	16.6	0.93	137
GTRA08	26217	396.	0.	0.	-396.	292.	257.	31.	31.	1.00	0.58	0.28	19.1	3.31	164.3	4	17.9	1.01	141
GTRA08	26217	544.	0.	0.	-544.	355.	468.	31.	57.	0.98	0.58	0.34	24.3	4.22	152.5	0	19.0	1.07	132
GTRA12	26217	392.	0.	0.	-392.	292.	257.	31.	31.	1.01	0.58	0.29	19.3	3.35	168.1	5	17.7	1.00	142
GTRA12	26217	529.	0.	0.	-529.	351.	455.	31.	55.	0.99	0.58	0.34	24.5	4.25	158.2	0	18.7	1.05	133
GTRA16	26217	391.	0.	0.	-391.	292.	257.	31.	31.	1.02	0.58	0.29	20.1	3.48	175.2	5	17.8	1.00	142
GTRA16	26217	505.	0.	0.	-505.	342.	424.	31.	52.	0.98	0.58	0.34	24.6	4.27	166.4	0	18.6	1.05	133
GTR208	26217	391.	0.	0.	-391.	292.	257.	31.	31.	0.95	0.58	0.29	17.7	3.06	154.1	7	17.5	0.98	143
GTR208	26217	455.	0.	0.	-455.	320.	350.	31.	43.	0.83	0.58	0.32	19.2	3.33	144.1	5	17.7	1.00	134
GTR212	26217	392.	0.	0.	-392.	292.	257.	31.	31.	0.97	0.58	0.29	18.3	3.18	159.8	6	17.6	0.99	142
GTR212	26217	473.	0.	0.	-473.	328.	376.	31.	46.	0.88	0.58	0.33	20.8	3.60	149.7	3	18.0	1.01	134
GTR216	26217	389.	0.	0.	-389.	292.	257.	31.	31.	0.99	0.58	0.29	19.1	3.31	167.6	6	17.6	0.99	142
GTR216	26217	475.	0.	0.	-475.	330.	385.	31.	47.	0.91	0.58	0.34	22.1	3.84	158.8	3	18.0	1.02	134
GTRW08	26217	420.	0.	0.	-420.	292.	257.	31.	31.	1.02	0.58	0.23	19.0	3.30	154.4	0	18.8	1.06	137
GTRW08	26217	660.	0.	0.	-660.	382.	557.	31.	68.	1.06	0.58	0.30	26.2	4.54	135.4	0	21.4	1.21	127
GTRW12	26217	411.	0.	0.	-411.	292.	257.	31.	31.	1.01	0.58	0.25	19.0	3.30	157.8	0	18.4	1.04	139
GTRW12	26217	646.	0.	0.	-646.	384.	565.	31.	69.	1.06	0.58	0.32	26.3	4.57	139.3	0	20.7	1.17	128
GTRW16	26217	409.	0.	0.	-409.	292.	257.	31.	31.	1.02	0.58	0.26	19.5	3.39	163.1	0	18.4	1.04	139
GTRW16	26217	609.	0.	0.	-609.	372.	523.	31.	64.	1.04	0.58	0.32	26.1	4.52	146.1	0	20.3	1.15	129
GTR308	26217	430.	0.	0.	-430.	292.	257.	31.	31.	0.98	0.58	0.22	18.0	3.12	142.9	0	19.0	1.07	136
GTR308	26217	570.	0.	0.	-570.	342.	425.	31.	52.	0.92	0.58	0.26	21.4	3.71	128.0	0	20.6	1.16	127
GTR312	26217	406.	0.	0.	-406.	292.	257.	31.	31.	0.98	0.58	0.26	18.0	3.12	151.3	2	18.1	1.02	140
GTR312	26217	552.	0.	0.	-552.	351.	454.	31.	55.	0.93	0.58	0.31	22.0	3.81	135.9	0	19.3	1.09	131
GTR316	26217	407.	0.	0.	-407.	292.	257.	31.	31.	0.99	0.58	0.26	18.6	3.23	156.4	1	18.2	1.03	140
GTR316	26217	548.	0.	0.	-548.	349.	447.	31.	54.	0.95	0.58	0.31	22.7	3.94	141.4	0	19.4	1.09	131
FCTADS	26217	440.	0.	0.	-440.	292.	257.	31.	31.	3.95	0.58	0.20	24.9	4.32	192.9	0	23.1	1.30	135
FCTADS	26217	1076.	0.	0.	-1076.	509.	904.	31.	120.	13.18	0.58	0.28	70.3	12.20	223.0	0	43.7	2.47	135
FCTCDS	26217	403.	0.	0.	-403.	292.	257.	31.	31.	3.74	0.58	0.27	25.0	4.48	218.4	0	21.6	1.22	141
FCTCDS	26217	785.	0.	0.	-785.	448.	779.	31.	95.	9.88	0.58	0.36	60.4	10.48	262.5	0	33.4	1.88	137

ECS	PROCS	FUEL USE IN BTU*10**6 — **COGENERATION CASE** DISTIL	RESIDL	COAL	**NOCOGEN - COGEN** DISTIL	RESIDL	COAL		POWER REQD MW	COGEN POWER MW	O&M	POWER /HEAT RATIO	FESR	CAPITAL COST *10**6	NORM COST	$/KW EQVL	ROI (%)	LEVL CHRG	NORM ENRG	WRTH
ONOCGN	26218	0.	324.	123.	0.	0.	0.		15.	0.	0.49	0.21	0.	7.0	1.00	82.7	0	14.8	1.00	80
STM141	26218	0.	345.	11.	0.	-21.	113.		15.	14.	0.71	0.21	0.20	11.2	1.61	111.5	30	12.8	0.86	130
STM141	26218	0.	3.	353.	0.	321.	-229.	F	15.	14.	1.44	0.21	0.20	22.9	3.29	228.4	21	10.4	0.70	113
STM141	26218	0.	3.	353.	0.	321.	-229.	A	15.	14.	1.29	0.21	0.20	16.8	2.41	167.4	32	9.6	0.65	117
STM088	26218	0.	339.	43.	0.	-15.	80.		15.	10.	0.67	0.21	0.15	10.0	1.44	104.4	29	13.4	0.90	125
STM088	26218	0.	13.	369.	0.	311.	-246.	F	15.	10.	1.36	0.21	0.15	21.1	3.04	221.1	20	11.1	0.75	107
STM088	26218	0.	13.	369.	0.	311.	-246.	A	15.	10.	1.25	0.21	0.15	15.8	2.28	165.8	31	10.4	0.70	110
PFBSTM	26218	0.	0.	350.	0.	324.	-226.		15.	15.	2.21	0.21	0.22	29.3	4.21	285.8	14	11.6	0.78	125
PFBSTM	26218	0.	0.	382.	0.	343.	-195.		15.	23.	2.12	0.21	0.28	27.8	4.00	248.4	17	10.4	0.70	118
TISTMT	26218	0.	349.	0.	0.	-25.	123.		15.	15.	1.69	0.21	0.22	42.6	6.13	416.7	0	17.0	1.14	130
TISTMT	26218	0.	414.	0.	0.	-51.	253.		15.	31.	2.13	0.21	0.33	66.2	9.53	546.1	0	18.9	1.27	127
TISTMT	26218	0.	0.	349.	0.	324.	-226.		15.	15.	2.67	0.21	0.22	59.9	8.61	585.5	4	15.3	1.03	125
TISTMT	26218	0.	0.	414.	0.	362.	-161.		15.	31.	3.04	0.21	0.33	84.0	12.08	692.8	3	16.4	1.11	121
TIHRSG	26218	0.	374.	0.	0.	-51.	123.		15.	15.	1.68	0.21	0.16	57.9	8.33	527.8	0	19.4	1.31	125
TIHRSG	26218	0.	378.	0.	0.	-53.	128.		15.	16.	1.80	0.21	0.17	58.8	8.46	531.4	0	19.4	1.31	114
TIHRSG	26218	0.	0.	374.	0.	324.	-251.		15.	15.	2.83	0.21	0.16	75.3	10.83	686.4	1	17.6	1.19	120
TIHRSG	26218	0.	0.	378.	0.	325.	-250.		15.	16.	2.66	0.21	0.17	75.5	10.86	681.9	1	17.4	1.17	110
STIRL	26218	376.	0.	0.	-376.	324.	123.		15.	15.	1.02	0.21	0.16	17.2	2.47	156.1	0	16.9	1.14	134
STIRL	26218	511.	0.	0.	-511.	380.	310.		15.	38.	1.13	0.21	0.26	27.6	3.96	183.9	0	18.8	1.27	122
STIRL	26218	0.	376.	0.	0.	-52.	123.		15.	15.	1.02	0.21	0.16	17.2	2.48	156.2	8	14.3	0.97	130
STIRL	26218	0.	511.	0.	0.	-132.	310.		15.	38.	1.13	0.21	0.26	27.6	3.97	184.1	3	15.3	1.03	116
STIRL	26218	0.	0	376.	0.	324.	-253.		15.	15.	2.00	0.21	0.16	33.8	4.87	307.0	11	12.2	0.82	117
STIRL	26218	0.	0.	511.	0.	380.	-201.		15.	38.	2.21	0.21	0.26	48.9	7.04	326.5	10	12.0	0.81	105
HEGT85	26218	0.	0.	424.	0.	324.	-301.	A	15.	15.	2.32	0.21	0.05	49.2	7.08	395.8	4	15.2	1.02	105
HEGT85	26218	0.	0.	2064.	0.	763.	-470.	A	15.	194.	7.92	0.21	0.12	208.3	29.96	344.5	0	32.3	2.18	87
HEGTGO	26218	0.	0.	417.	0.	324.	-294.	A	15.	15.	2.27	0.21	0.07	47.3	6.81	307.3	5	14.8	1.00	107
HEGTGO	26218	0.	0.	840.	0.	443.	-316.	A	15.	64.	3.66	0.21	0.13	93.8	13.49	381.3	0	19.2	1.30	84
HEGTGO	26218	0.	0.	411.	0.	324.	-288.	A	15.	15.	2.18	0.21	0.08	44.2	6.35	367.0	6	14.2	0.96	108
HEGT00	26218	0.	0.	500.	0.	350.	-288.	A	15.	26.	2.18	0.21	0.11	51.4	7.39	351.1	5	14.5	0.98	97
FCHCCL	26218	0.	0.	362.	0.	324.	-239.		15.	15.	2.37	0.21	0.19	42.1	6.05	396.9	8	13.4	0.91	121
FCHCCL	26218	0.	0.	515.	0.	400.	-139.		15.	46.	3.31	0.21	0.34	61.1	8.79	404.7	7	13.2	0.89	110
FCSTCL	26218	0.	0.	359.	0.	324.	-235.		15.	15.	2.37	0.21	0.20	41.0	5.90	390.6	8	13.3	0.89	122
FCSTCL	26218	0.	0.	611.	0.	454.	-52.		15.	68.	4.01	0.21	0.40	73.1	10.52	408.3	7	12.7	0.85	105
IGGTST	26218	0.	0.	377.	0.	324.	-254.		15.	15.	2.11	0.21	0.16	40.4	5.81	365.7	8	13.3	0.89	117
IGGTST	26218	0.	0.	570.	0.	402.	-184.		15.	47.	2.17	0.21	0.28	57.3	8.24	343.3	8	12.4	0.84	101
GTSOAR	26218	0.	375.	0.	0.	-52.	123.		15.	15.	0.91	0.21	0.16	15.1	2.17	137.0	12	14.0	0.94	132
GTSOAR	26218	0.	575.	0.	0.	-168.	402.		15.	49.	0.94	0.21	0.29	22.0	3.17	130.7	8	14.3	0.96	115
GTAC08	26218	0.	362.	0.	0.	-38.	123.		15.	15.	0.87	0.21	0.19	13.9	1.99	130.6	18	13.4	0.90	136
GTAC08	26218	0.	474.	0.	0.	-95.	308.		15.	38.	0.79	0.21	0.31	17.1	2.46	122.9	18	12.7	0.86	125
GTAC12	26218	0.	363.	0.	0.	-39.	123.		15.	15.	0.88	0.21	0.19	14.1	2.03	132.7	17	13.5	0.91	135
GTAC12	26218	0.	526.	0.	0.	-123.	386.		15.	47.	0.88	0.21	0.33	20.2	2.91	131.2	15	12.9	0.87	120
GTAC16	26218	0.	365.	0.	0.	-41.	123.		15.	15.	0.89	0.21	0.18	14.6	2.10	136.4	15	13.6	0.91	134
GTAC16	26218	0.	564.	0.	0.	-146.	439.		15.	53.	0.96	0.21	0.34	23.1	3.32	139.6	12	13.2	0.89	117

ECS	PROCS	FUEL USE IN BTU*10**6: **COGENERATION CASE** DISTIL	RESIDL	COAL	**NOCOGEN - COGEN** DISTIL	RESIDL	COAL	POWER REQD MW	COGEN POWER MW	O&M	POWER /HEAT RATIO	FESR	CAPITAL COST *10**6	NORM COST	$/KW EQVL	ROI (%)	LEVL CHRG	NORM ENRG	WRTH
GTWC16	26218	0.	372.	0.	0.	-48.	123.	15.	15.	0.90	0.21	0.17	14.8	2.13	135.6	13	13.8	0.93	133
GTWC16	26218	0.	603.	0.	0.	-179.	457.	15.	56.	0.96	0.21	0.32	22.6	3.25	127.9	9	13.9	0.93	114
CC1626	26218	0.	373.	0.	0.	-49.	123.	15.	15.	1.00	0.21	0.16	14.9	2.14	136.2	12	14.0	0.94	132
CC1626	26218	0.	781.	0.	0.	-283.	705.	15.	86.	1.31	0.21	0.35	29.9	4.31	130.8	5	14.7	0.99	105
CC1622	26218	0.	370.	0.	0.	-46.	123.	15.	15.	0.99	0.21	0.17	14.7	2.11	135.4	13	13.9	0.93	133
CC1622	26218	0.	712.	0.	0.	-236.	634.	15.	77.	1.27	0.21	0.36	29.5	4.24	141.2	7	14.2	0.95	108
CC1222	26218	0.	369.	0.	0.	-45.	123.	15.	15.	0.98	0.21	0.17	14.3	2.05	132.2	14	13.8	0.93	134
CC1222	26218	0.	706.	0.	0.	-231.	631.	15.	77.	1.25	0.21	0.36	27.9	4.02	134.9	8	13.9	0.93	108
CC0822	26218	0.	363.	0.	0.	-40.	123.	15.	15.	0.98	0.21	0.19	14.4	2.07	134.9	15	13.6	0.92	135
CC0822	26218	0.	597.	0.	0.	-160.	500.	15.	61.	1.10	0.21	0.36	23.3	3.36	133.5	12	13.0	0.87	115
STIG15	26218	0.	419.	0.	0.	-95.	123.	15.	15.	1.04	0.21	0.06	14.9	2.14	121.2	0	15.4	1.04	122
STIG15	26218	0.	18769.	0.	0.	-13342.	17207.	15.	2096.	32.03	0.21	0.17	520.8	74.89	94.7	0	256.9	17.30	469
STIG10	26218	0.	407.	0.	0.	-84.	123.	15.	15.	0.98	0.21	0.09	14.3	2.06	120.0	4	14.9	1.01	125
STIG10	26218	0.	1842.	0.	0.	-1079.	1591.	15.	194.	3.07	0.21	0.22	55.3	7.96	102.5	0	30.5	2.05	101
STIG1S	26218	0.	402.	0.	0.	-78.	123.	15.	15.	0.98	0.21	0.10	14.1	2.03	119.7	6	14.8	0.99	127
STIG1S	26218	0.	1157.	0.	0.	-592.	934.	15.	114.	2.12	0.21	0.23	37.3	5.36	109.9	0	22.3	1.50	95
DEADV3	26218	0.	392.	0.	0.	-68.	123.	15.	15.	1.11	0.21	0.12	21.1	3.04	184.1	2	15.3	1.03	124
DEADV3	26218	0.	1190.	0.	0.	-586.	1063.	15.	129.	2.74	0.21	0.29	85.5	12.29	245.0	0	25.9	1.75	102
DEHTPM	26218	0.	365.	0.	0.	-41.	123.	15.	15.	1.10	0.21	0.18	19.0	2.73	177.9	9	14.2	0.96	131
DEHTPM	26218	0.	569.	0.	0.	-149.	448.	15.	55.	1.61	0.21	0.34	42.8	6.16	256.7	2	15.9	1.07	114
DESOA3	26218	400.	0.	0.	-400.	324.	123.	15.	15.	1.11	0.21	0.10	20.9	3.00	177.9	0	18.3	1.23	126
DESOA3	26218	1427.	0.	0.	-1427.	657.	1240.	15.	151.	3.71	0.21	0.25	123.0	17.68	294.1	0	43.8	2.95	124
DESOA3	26218	0.	400.	0.	0.	-76.	123.	15.	15.	1.11	0.21	0.10	20.9	3.00	177.9	0	15.5	1.05	122
DESOA3	26218	0.	1427.	0.	0.	-770.	1240.	15.	151.	3.71	0.21	0.25	123.0	17.68	294.1	0	33.9	2.28	107
GTSOAD	26218	367.	0.	0.	-367.	324.	123.	15.	15.	0.87	0.21	0.18	13.5	1.94	125.1	0	16.0	1.08	139
GTSOAD	26218	530.	0.	0.	-530.	398.	372.	15.	45.	0.82	0.21	0.31	17.9	2.58	115.4	0	16.7	1.12	127
GTRA08	26218	374.	0.	0.	-374.	324.	123.	15.	15.	0.92	0.21	0.16	15.5	2.24	142.0	0	16.6	1.12	136
GTRA08	26218	726.	0.	0.	-726.	473.	623.	15.	76.	1.22	0.21	0.34	32.2	4.63	151.3	0	20.0	1.35	114
GTRA12	26218	372.	0.	0.	-372.	324.	123.	15.	15.	0.92	0.21	0.17	15.6	2.24	143.3	0	16.5	1.11	136
GTRA12	26218	705.	0.	0.	-705.	468.	607.	15.	74.	1.17	0.21	0.34	30.4	4.38	147.4	0	19.4	1.30	115
GTRA16	26218	371.	0.	0.	-371.	324.	123.	15.	15.	0.93	0.21	0.17	16.1	2.31	148.0	0	16.5	1.11	136
GTRA16	26218	673.	0.	0.	-673.	456.	565.	15.	69.	1.17	0.21	0.34	30.6	4.40	155.0	0	19.2	1.29	116
GTR208	26218	371.	0.	0.	-371.	324.	123.	15.	15.	0.90	0.21	0.17	14.9	2.14	136.8	0	16.4	1.10	137
GTR208	26218	607.	0.	0.	-607.	427.	467.	15.	57.	0.99	0.21	0.32	23.8	3.43	134.0	0	18.1	1.22	120
GTR212	26218	372.	0.	0.	-372.	324.	123.	15.	15.	0.91	0.21	0.17	15.2	2.19	139.8	0	16.4	1.11	137
GTR212	26218	631.	0.	0.	-631.	437.	501.	15.	61.	1.04	0.21	0.33	25.7	3.70	139.2	0	18.5	1.24	119
GTR216	26218	370.	0.	0.	-370.	324.	123.	15.	15.	0.92	0.21	0.17	15.6	2.24	143.4	0	16.4	1.11	137
GTR216	26218	634.	0.	0.	-634.	441.	514.	15.	63.	1.09	0.21	0.34	27.5	3.96	148.1	0	18.5	1.25	118
GTRW08	26218	385.	0.	0.	-385.	324.	123.	15.	15.	0.92	0.21	0.14	15.6	2.24	138.2	0	17.0	1.15	133
GTRW08	26218	880.	0.	0.	-880.	509.	743.	15.	90.	1.25	0.21	0.30	32.1	4.62	124.7	0	23.0	1.55	111
GTRW12	26218	381.	0.	0.	-381.	324.	123.	15.	15.	0.92	0.21	0.15	15.6	2.24	139.7	0	16.8	1.13	134
GTRW12	26218	861.	0.	0.	-861.	512.	754.	15.	92.	1.25	0.21	0.32	32.3	4.65	128.2	0	22.0	1.48	111
GTRW16	26218	380.	0.	0.	-380.	324.	123.	15.	15.	0.93	0.21	0.15	16.0	2.29	143.4	0	16.8	1.13	134
GTRW16	26218	812.	0.	0.	-812.	495.	697.	15.	85.	1.23	0.21	0.32	32.0	4.60	134.4	0	21.5	1.44	112

GENERAL ELECTRIC COMPANY
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REPORT 5.2
SUMMARY OF FUEL SAVED BY TYPE & ECONOMICS

		FUEL USE IN BTU*10**6																	
		COGENERATION CASE			**NOCOGEN - COGEN**			POWER	COGEN	O&M	POWER	FESR	CAPITAL	NORM	$/KW	ROI	LEVL	NORM	WRTH
ECS	PROCS	DISTIL	RESIDL	COAL	DISTIL	RESIDL	COAL	REQD MW	POWER MW		/HEAT RATIO		COST *10**6	COST	EQVL	(%)	CHRG	ENRG	
GTR308	26218	390.	0.	0.	-390.	324.	123.	15.	15.	0.91	0.21	0.13	15.0	2.16	131.4	0	17.1	1.15	133
GTR308	26218	761.	0.	0.	-761.	457.	567.	15.	69.	1.08	0.21	0.26	26.4	3.79	118.3	0	21.9	1.47	112
GTR312	26218	378.	0.	0.	-378.	324.	123.	15.	15.	0.91	0.21	0.13	15.1	2.17	135.8	0	16.7	1.12	135
GTR312	26218	736.	0.	0.	-736.	468.	606.	15.	74.	1.10	0.21	0.31	27.0	3.89	125.4	0	20.1	1.36	114
GTR316	26218	379.	0.	0.	-379.	324.	123.	15.	15.	0.92	0.21	0.15	15.5	2.22	139.4	0	16.7	1.13	135
GTR316	26218	731.	0.	0.	-731.	465.	596.	15.	73.	1.12	0.21	0.31	27.9	4.01	130.3	0	20.3	1.37	114
FCPADS	26218	395.	0.	0.	-395.	324.	123.	15.	15.	2.26	0.21	0.12	17.6	2.52	151.7	0	18.9	1.27	132
FCPADS	26218	1435.	0.	0.	-1435.	679.	1312.	15.	160.	17.50	0.21	0.28	93.0	13.37	221.0	0	53.0	3.57	144
FCMCDS	26218	377.	0.	0.	-377.	324.	123.	15.	15.	2.16	0.21	0.16	18.1	2.60	163.9	0	18.2	1.23	135
FCMCDS	26218	1047.	0.	0.	-1047.	597.	1038.	15.	126.	13.12	0.21	0.36	80.0	11.51	260.8	0	39.2	2.64	134

GENERAL ELECTRIC COMPANY
COGENERATION TECHNOLOGY ALTERNATIVES STUDY
REPORT 5.2
SUMMARY OF FUEL SAVED BY TYPE & ECONOMICS

ECS	PROCS	FUEL USE IN BTU*10**6 **COGENERATION CASE** DISTIL	RESIDL	COAL	**NOCOGEN - COGEN** DISTIL	RESIDL	COAL		POWER REQD MW	COGEN POWER MW	O&M	POWER /HEAT RATIO	FESR	CAPITAL COST *10**6	NORM COST	$/KW EQVL	ROI (%)	LEVL CHRG	NORM ENRG	WRTH
ONOCGN	28001	0.	1374.	267.	0.	0.	0.		33.	0.	1.35	0.10	0.	33.7	1.00	88.8	0	57.1	1.00	80
STM141	28001	0.	1425.	0.	0.	-51.	267.		33.	33.	1.92	0.10	0.13	38.4	1.14	92.0	54	51.5	0.90	141
STM141	28001	0.	1529.	0.	0.	-91.	480.		33.	58.	1.66	0.10	0.20	39.8	1.18	88.9	58	49.4	0.87	133
STM141	28001	0.	0.	1425.	0.	1374.	-1158.	F	33.	33.	4.40	0.10	0.13	77.7	2.31	186.1	27	39.2	0.69	120
STM141	28001	0.	0.	1529.	0.	1438.	-1049.	F	33.	58.	4.00	0.10	0.20	76.0	2.26	169.7	32	35.3	0.62	113
STM141	28001	0.	0.	1425.	0.	1374.	-1158.	A	33.	33.	4.17	0.10	0.13	62.9	1.87	150.6	39	37.3	0.65	124
STM141	28001	0.	0.	1529.	0.	1438.	-1049.	A	33.	58.	3.88	0.10	0.20	58.1	1.72	129.6	51	33.2	0.58	118
STM088	28001	0.	1425.	0.	0.	-51.	267.		33.	33.	1.84	0.10	0.13	36.8	1.09	88.1	75	51.2	0.90	142
STM088	28001	0.	1458.	0.	0.	-84.	335.		33.	41.	1.56	0.10	0.16	36.2	1.08	84.8	99	50.3	0.88	134
STM088	28001	0.	0.	1425.	0.	1374.	-1158.	F	33.	33.	4.27	0.10	0.13	76.6	2.28	183.6	27	38.9	0.68	121
STM088	28001	0.	0.	1458.	0.	1394.	-1123.	F	33.	41.	3.72	0.10	0.16	71.1	2.11	166.5	33	36.7	0.64	113
STM088	28001	0.	0.	1425.	0.	1374.	-1158.	A	33.	33.	4.12	0.10	0.13	58.9	1.75	141.1	44	36.8	0.65	125
STM088	28001	0.	0.	1458.	0.	1394.	-1123.	A	33.	41.	3.74	0.10	0.16	56.1	1.67	131.2	51	35.1	0.61	117
PFBSTM	28001	0.	0.	1430.	0.	1374.	-1163.		33.	33.	5.20	0.10	0.13	78.2	2.32	186.5	25	40.1	0.70	120
PFBSTM	28001	0.	0.	1710.	0.	1538.	-893.		33.	99.	6.81	0.10	0.27	75.2	2.23	150.0	34	33.0	0.58	111
TISTMT	28001	0.	1428.	0.	0.	-54.	267.		33.	33.	3.26	0.10	0.13	92.1	2.73	219.9	2	58.7	1.03	126
TISTMT	28001	0.	1650.	0.	0.	-225.	1105.		33.	135.	5.95	0.10	0.32	205.8	6.11	379.8	0	66.5	1.16	110
TISTMT	28001	0.	0.	1428.	0.	1374.	-1161.		33.	33.	5.74	0.10	0.13	134.1	3.98	320.5	12	46.7	0.82	115
TISTMT	28001	0.	0.	1850.	0.	1624.	-745.		33.	135.	8.74	0.10	0.32	258.9	7.69	477.7	7	50.3	0.88	101
TIHRSG	28001	0.	1483.	0.	0.	-110.	267.		33.	33.	3.79	0.10	0.10	117.4	3.49	270.0	0	63.5	1.11	120
TIHRSG	28001	0.	1703.	0.	0.	-237.	577.		33.	70.	5.19	0.10	0.17	184.9	5.49	370.4	0	71.4	1.25	109
TIHRSG	28001	0.	0.	1483.	0.	1374.	-1217.		33.	33.	6.52	0.10	0.10	166.7	4.95	383.6	8	52.0	0.91	111
TIHRSG	28001	0.	0.	1703.	0.	1466.	-1127.		33.	70.	7.90	0.10	0.17	234.8	6.97	470.3	5	57.2	1.00	101
STIRL	28001	1487.	0.	0.	-1487.	1374.	267.		33.	33.	2.28	0.10	0.09	55.1	1.64	126.5	0	66.2	1.16	134
STIRL	28001	2306.	0.	0.	-2306.	1712.	1398.		33.	170.	3.71	0.10	0.26	117.8	3.50	174.4	0	78.3	1.37	108
STIRL	28001	0.	1487.	0.	0.	-113.	267.		33.	33.	2.28	0.10	0.09	55.1	1.64	126.5	10	55.5	0.97	130
STIRL	28001	0.	2306.	0.	0.	-594.	1398.		33.	170.	3.71	0.10	0.26	118.0	3.50	174.6	0	61.8	1.08	100
STIRL	28001	0.	0.	1487.	0.	1374.	-1220.		33.	33.	4.82	0.10	0.09	97.7	2.90	224.2	18	42.7	0.75	113
STIRL	28001	0.	0.	2306.	0.	1712.	-908.		33.	170.	7.92	0.10	0.26	210.4	6.25	311.4	10	44.9	0.79	87
HEGT85	28001	0.	0.	1592.	0.	1374.	-1325.	A	33.	33.	5.13	0.10	0.03	111.6	3.32	239.4	13	46.7	0.82	105
HEGT85	28001	0.	0.	9304.	0.	3441.	-2117.	A	33.	875.	31.64	0.10	0.12	833.7	24.76	305.8	0	123.5	2.16	87
HEGT60	28001	0.	0.	1576.	0.	1374.	-1309.	A	33.	33.	5.08	0.10	0.04	108.5	3.22	235.0	14	46.0	0.81	107
HEGT60	28001	0.	0.	3785.	0.	1999.	-1426.	A	33.	287.	11.55	0.10	0.13	272.1	8.08	245.3	4	59.5	1.04	67
HEGT00	28001	0.	0.	1562.	0.	1374.	-1295.	A	33.	33.	5.05	0.10	0.05	104.3	3.10	227.9	15	45.2	0.79	108
HEGT00	28001	0.	0.	2252.	0.	1579.	-1298.	A	33.	116.	6.75	0.10	0.11	149.4	4.44	226.3	10	47.6	0.83	83
FCMCCL	28001	0.	0.	1456.	0.	1374.	-1189.		33.	33.	5.55	0.10	0.11	106.7	3.17	250.0	15	44.3	0.78	115
FCHCCL	28001	0.	0.	2324.	0.	1802.	-624.		33.	207.	11.53	0.10	0.34	183.4	5.45	269.4	12	39.5	0.69	91
FCSTCL	28001	0.	0.	1449.	0.	1374.	-1182.		33.	33.	5.45	0.10	0.12	104.7	3.11	246.5	16	43.9	0.77	116
FCSTCL	28001	0.	0.	2732.	0.	2034.	-257.		33.	302.	13.72	0.10	0.39	217.9	6.47	272.2	13	34.0	0.60	90
ICGTST	28001	0.	0.	1490.	0.	1374.	-1223.		33.	33.	4.65	0.10	0.09	99.6	2.96	228.1	17	43.3	0.76	113
IGGTST	28001	0.	0.	2546.	0.	1803.	-843.		33.	207.	5.63	0.10	0.27	178.8	5.31	239.7	14	37.2	0.65	83
GTSOAR	28001	0.	1486.	0.	0.	-112.	267.		33.	33.	2.04	0.10	0.09	46.8	1.45	112.2	16	54.5	0.96	132
GTSOAR	28001	0.	2594.	0.	0.	-759.	1810.		33.	220.	2.88	0.10	0.29	88.6	2.63	116.6	5	56.9	1.00	101

ECS	PROCS	FUEL USE IN DTU*10**6 **COGENERATION CASE** DISTIL	RESIDL	COAL	**NOCOGEN - COGEN** DISTIL	RESIDL	COAL	POWER REQD MW	COGEN POWER MW	O&M	POWER /HEAT RATIO	FESR	CAPITAL COST *10**6	NORM COST	$/KW EQVL	ROI (%)	LEVL CHRG	NORM ENRG	WRTH
GTAC08	28001	0.	1456.	0.	0.	-82.	267.	33.	33.	1.91	0.10	0.11	43.5	1.29	101.9	29	52.9	0.93	136
GTAC08	28001	0.	2138.	0.	0.	-429.	1389.	33.	169.	2.22	0.10	0.31	64.0	1.90	102.2	20	49.5	0.87	112
GTAC12	28001	0.	1459.	0.	0.	-85.	267.	33.	33.	2.00	0.10	0.11	47.6	1.41	111.3	20	53.5	0.94	134
GTAC12	28001	0.	2370.	0.	0.	-556.	1739.	33.	212.	2.57	0.10	0.33	77.1	2.29	111.0	15	49.9	0.87	107
GTAC16	28001	0.	1463.	0.	0.	-89.	267.	33.	33.	2.02	0.10	0.11	46.5	1.44	113.2	18	53.8	0.94	133
GTAC16	28001	0.	2544.	0.	0.	-659.	1977.	33.	241.	2.86	0.10	0.34	88.3	2.62	118.4	12	51.1	0.89	104
GTWC16	28001	0.	1479.	0.	0.	-105.	267.	33.	33.	2.02	0.10	0.10	48.3	1.43	111.4	17	54.2	0.95	133
GTWC16	28001	0.	2718.	0.	0.	-809.	2060.	33.	251.	2.73	0.10	0.32	82.4	2.45	103.5	10	53.9	0.94	103
CC1626	28001	0.	1481.	0.	0.	-108.	267.	33.	33.	2.12	0.10	0.10	48.3	1.43	111.2	15	54.6	0.96	132
CC1626	28001	0.	3490.	0.	0.	-1262.	3128.	33.	381.	3.66	0.10	0.35	108.3	3.22	105.9	6	56.1	0.98	100
CC1622	28001	0.	1474.	0.	0.	-100.	267.	33.	33.	2.12	0.10	0.10	48.3	1.44	111.9	16	54.3	0.95	133
CC1622	28001	0.	3184.	0.	0.	-1051.	2811.	33.	342.	3.68	0.10	0.36	114.1	3.39	122.2	7	54.8	0.96	100
CC1222	28001	0.	1472.	0.	0.	-98.	267.	33.	33.	2.11	0.10	0.10	47.6	1.41	110.4	17	54.2	0.95	133
CC1222	28001	0.	3157.	0.	0.	-1028.	2795.	33.	340.	3.57	0.10	0.36	106.4	3.16	115.1	9	53.4	0.93	101
CC0822	28001	0.	1460.	0.	0.	-86.	267.	33.	33.	2.10	0.10	0.11	47.3	1.41	110.7	19	53.7	0.94	134
CC0822	28001	0.	2668.	0.	0.	-713.	2212.	33.	269.	2.95	0.10	0.36	83.6	2.48	107.0	15	49.1	0.86	105
STIG15	28001	0.	1581.	0.	0.	-207.	267.	33.	33.	2.31	0.10	0.04	48.5	1.44	104.7	0	57.8	1.01	126
STIG15	28001	0.	84615.	0.	0.	-60150.	77574.	33.	9449.	142.09	0.10	0.17	2270.3	67.42	91.6	0	1173.3	20.55	550
STIG10	28001	0.	1555.	0.	0.	-161.	267.	33.	33.	2.19	0.10	0.05	47.5	1.41	104.2	7	56.8	0.99	128
STIG10	28001	0.	8302.	0.	0.	-4865.	7174.	33.	874.	11.72	0.10	0.22	222.1	6.60	91.3	0	129.5	2.27	107
STIG1S	28001	0.	1543.	0.	0.	-169.	267.	33.	33.	2.20	0.10	0.06	47.0	1.40	104.0	9	56.3	0.99	129
STIG1S	28001	0.	5218.	0.	0.	-2667.	4209.	33.	513.	7.50	0.10	0.23	136.2	4.04	89.1	0	91.0	1.59	97
DEADV3	28001	0.	1521.	0.	0.	-147.	267.	33.	33.	2.39	0.10	0.07	60.7	1.80	136.2	4	57.3	1.00	126
DEADV3	28001	0.	5366.	0.	0.	-2641.	4791.	33.	564.	9.83	0.10	0.29	352.1	10.46	223.9	0	106.5	1.87	103
DEHTPM	28001	0.	1462.	0.	0.	-88.	267.	33.	33.	2.49	0.10	0.11	62.2	1.85	145.2	9	55.7	0.97	129
DEHTPM	28001	0.	2567.	0.	0.	-670.	2020.	33.	246.	5.55	0.10	0.34	185.2	5.50	246.1	0	63.7	1.12	100
DESOA3	28001	1540.	0.	0.	-1540.	1374.	267.	33.	33.	2.52	0.10	0.06	66.0	1.96	146.3	0	69.6	1.22	128
DESOA3	28001	6433.	0.	0.	-6433.	2963.	5588.	33.	681.	14.00	0.10	0.25	516.0	15.32	273.7	0	188.7	3.30	132
DESOA3	28001	0.	1540.	0.	0.	-166.	267.	33.	33.	2.52	0.10	0.06	66.0	1.96	146.3	0	58.6	1.03	123
DESOA3	28001	0.	6433.	0.	0.	-3470.	5588.	33.	681.	14.00	0.10	0.25	516.0	15.32	273.7	0	142.4	2.49	112
GTSOAD	28001	1468.	0.	0.	-1468.	1374.	267.	33.	33.	1.97	0.10	0.11	46.2	1.37	107.4	0	64.2	1.12	139
GTSOAD	28001	2388.	0.	0.	-2388.	1795.	1678.	33.	204.	2.33	0.10	0.31	67.3	2.00	96.2	0	68.0	1.19	115
GTRA08	28001	1482.	0.	0.	-1482.	1374.	267.	33.	33.	2.05	0.10	0.10	49.8	1.48	114.8	0	65.2	1.14	136
GTRA08	28001	3271.	0.	0.	-3271.	2134.	2810.	33.	342.	3.87	0.10	0.34	126.2	3.75	131.7	0	82.3	1.44	109
GTRA12	28001	1478.	0.	0.	-1478.	1374.	267.	33.	33.	2.06	0.10	0.10	50.1	1.49	115.8	0	65.1	1.14	137
GTRA12	28001	3177.	0.	0.	-3177.	2112.	2737.	33.	333.	3.79	0.10	0.34	123.2	3.66	132.3	0	80.0	1.40	109
GTRA16	28001	1476.	0.	0.	-1476.	1374.	267.	33.	33.	2.08	0.10	0.10	51.0	1.51	117.8	0	65.1	1.14	136
GTRA16	28001	3036.	0.	0.	-3036.	2056.	2549.	33.	310.	3.79	0.10	0.34	123.7	3.67	139.1	0	79.2	1.39	109
GTR208	28001	1477.	0.	0.	-1477.	1374.	267.	33.	33.	2.03	0.10	0.10	48.7	1.45	112.6	0	64.9	1.14	137
GTR208	28001	2736.	0.	0.	-2736.	1923.	2106.	33.	257.	3.08	0.10	0.32	96.3	2.86	120.2	0	74.8	1.31	110
GTR212	28001	1477.	0.	0.	-1477.	1374.	267.	33.	33.	2.04	0.10	0.10	49.3	1.46	113.9	0	65.0	1.14	137
GTR212	28001	2845.	0.	0.	-2845.	1969.	2259.	33.	275.	3.28	0.10	0.33	104.0	3.09	124.7	0	76.3	1.34	109
GTR216	28001	1474.	0.	0.	-1474.	1374.	267.	33.	33.	2.06	0.10	0.10	50.1	1.49	115.9	0	64.9	1.14	137
GTR216	28001	2857.	0.	0.	-2857.	1986.	2317.	33.	282.	3.48	0.10	0.34	111.7	3.32	133.4	0	76.4	1.34	109

GENERAL ELECTRIC COMPANY
COGENERATION TECHNOLOGY ALTERNATIVES STUDY
REPORT 5.2
SUMMARY OF FUEL SAVED BY TYPE & ECONOMICS

ECS	PROCS	FUEL USE IN BTU*10**6 **COGENERATION CASE** DISTIL	RESIDL	COAL	**NOCOGEN - COGEN** DISTIL	RESIDL	COAL	POWER REQD MW	COGEN POWER MW	O&M	POWER /HEAT RATIO	FESR	CAPITAL COST *10**6	NORM COST	$/KW EQVL	ROI (%)	LEVL CHRG	NORM ENRG	WRTH
GTRW08	28001	1507.	0.	0.	-1507.	1374.	267.	33.	33.	2.05	0.10	0.08	49.7	1.47	112.4	0	66.2	1.16	135
GTRW08	28001	3966.	0.	0.	-3966.	2295.	3350.	33.	406.	3.95	0.10	0.30	127.2	3.78	109.4	0	96.3	1.69	109
GTRW12	28001	1497.	0.	0.	-1497.	1374.	267.	33.	33.	2.05	0.10	0.09	49.6	1.47	113.1	0	65.8	1.15	136
GTRW12	28001	3880.	0.	0.	-3880.	2309.	3399.	33.	414.	3.97	0.10	0.32	128.0	3.80	112.6	0	91.9	1.61	110
GTRW16	28001	1495.	0.	0.	-1495.	1374.	267.	33.	33.	2.06	0.10	0.09	50.2	1.49	114.6	0	65.8	1.15	135
GTRW16	28001	3659.	0.	0.	-3659.	2233.	3144.	33.	383.	3.91	0.10	0.32	126.6	3.76	118.1	0	89.3	1.56	109
GTR308	28001	1517.	0.	0.	-1517.	1374.	267.	33.	33.	2.04	0.10	0.08	48.8	1.45	109.7	0	66.4	1.16	135
GTR308	28001	3429.	0.	0.	-3429.	2058.	2558.	33.	312.	3.13	0.10	0.26	96.1	2.85	95.6	0	90.8	1.59	107
GTR312	28001	1492.	0.	0.	-1492.	1374.	267.	33.	33.	2.03	0.10	0.09	48.7	1.45	111.5	0	65.5	1.15	136
GTR312	28001	3319.	0.	0.	-3319.	2110.	2731.	33.	333.	3.24	0.10	0.31	100.8	2.99	103.6	0	82.8	1.45	109
GTR316	28001	1493.	0.	0.	-1493.	1374.	267.	33.	33.	2.04	0.10	0.09	49.4	1.47	112.9	0	65.6	1.15	136
GTR316	28001	3296.	0.	0.	-3296.	2097.	2689.	33.	327.	3.31	0.10	0.31	103.5	3.08	107.2	0	83.3	1.46	109
FCPADS	28001	1528.	0.	0.	-1528.	1374.	267.	33.	33.	5.29	0.10	0.07	58.8	1.75	131.3	0	71.2	1.25	132
FCPADS	28001	6471.	0.	0.	-6471.	3061.	5917.	33.	721.	00.02	0.10	0.28	379.9	11.28	200.4	0	233.7	4.09	157
FCMCDS	28001	1489.	0.	0.	-1489.	1374.	267.	33.	33.	5.06	0.10	0.09	59.8	1.78	137.1	0	69.6	1.22	134
FCMCDS	28001	4721.	0.	0.	-4721.	2692.	4680.	33.	570.	60.04	0.10	0.36	340.4	10.11	246.0	0	171.3	3.01	141

ECS	PROCS	FUEL USE IN DTU*10**6							POWER REQD MW	COGEN POWER MW	O&M	POWER /HEAT RATIO	FESR	CAPITAL COST *10**6	NORM COST	$/KW EQVL	ROI (%)	LEVL CHRG	NORM ENRG	WRTH
		COGENERATION CASE			**NOCOGEN - COGEN**															
		DISTIL	RESIDL	COAL	DISTIL	RESIDL	COAL													
ONOCGN	28002	0.	1429.	634.	0.	0.	0.		77.	0.	1.33	0.25	0.	32.9	1.00	90.5	0	70.3	1.00	80
STM141	28002	0.	1517.	174.	0.	-67.	460.		77.	56.	1.63	0.25	0.18	38.7	1.18	90.1	81	59.6	0.85	133
STM141	28002	0.	52.	1639.	0.	1377.	-1005.	F	77.	56.	3.88	0.25	0.18	73.8	2.25	172.0	35	46.1	0.66	115
STM141	28002	0.	52.	1639.	0.	1377.	-1005.	A	77.	56.	3.76	0.25	0.18	56.6	1.72	131.7	57	44.1	0.63	119
STM088	28002	0.	1490.	313.	0.	-61.	321.		77.	39.	1.53	0.25	0.13	35.1	1.07	85.8	119	62.7	0.89	127
STM088	28002	0.	93.	1710.	0.	1336.	-1076.	F	77.	39.	3.61	0.25	0.13	69.0	2.10	168.6	34	49.8	0.71	108
STM088	28002	0.	93.	1710.	0.	1336.	-1076.	A	77.	39.	3.63	0.25	0.13	54.6	1.66	133.4	53	48.2	0.69	112
PFBSTM	28002	0.	0.	1563.	0.	1429.	-929.		77.	77.	6.53	0.25	0.24	77.6	2.36	189.4	35	43.8	0.62	132
PFBSTM	28002	0.	0.	1638.	0.	1474.	-856.		77.	95.	6.58	0.25	0.27	73.0	2.22	152.1	41	41.1	0.58	125
TISTMT	28002	0.	1559.	0.	0.	-129.	634.		77.	77.	4.70	0.25	0.24	146.6	4.46	321.0	5	70.2	1.00	133
TISTMT	28002	0.	1772.	0.	0.	-216.	1059.		77.	129.	5.77	0.25	0.32	199.1	6.06	383.3	3	73.3	1.04	127
TISTMT	28002	0.	0.	1559.	0.	1429.	-925.		77.	77.	7.32	0.25	0.24	191.8	5.84	420.0	11	56.9	0.81	125
TISTMT	28002	0.	0.	1772.	0.	1556.	-714.		77.	129.	8.47	0.25	0.32	250.4	7.62	482.3	9	57.9	0.82	120
TIHRSG	28002	0.	1656.	81.	0.	-227.	553.		77.	67.	5.03	0.25	0.16	178.8	5.44	373.8	0	79.3	1.13	112
TIHRSG	28002	0.	24.	1713.	0.	1405.	-1080.		77.	67.	7.65	0.25	0.16	227.1	6.91	474.7	7	65.7	0.93	105
STIRL	28002	1699.	0.	0.	-1699.	1429.	634.		77.	77.	2.84	0.25	0.18	74.4	2.26	149.5	0	77.1	1.10	137
STIRL	28002	2209.	0.	0.	-2209.	1640.	1339.		77.	163.	3.57	0.25	0.26	113.0	3.44	174.6	0	84.4	1.20	126
STIRL	28002	0.	1699.	0.	0.	-269.	634.		77.	77.	2.85	0.25	0.18	74.5	2.27	149.6	13	64.8	0.92	132
STIRL	28002	0.	2209.	0.	0.	-569.	1339.		77.	163.	3.58	0.25	0.26	113.2	3.44	174.8	7	68.5	0.97	120
STIRL	28002	0.	0.	1699.	0.	1429.	-1065.		77.	77.	5.87	0.25	0.18	129.1	3.93	259.4	17	50.9	0.72	119
STIRL	28002	0.	0.	2209.	0.	1640.	-870.		77.	163.	7.62	0.25	0.26	201.7	6.14	311.6	12	52.4	0.75	108
HEGT85	28002	0.	0.	1946.	0.	1429.	-1313.	A	77.	77.	6.80	0.25	0.06	157.8	4.80	276.6	11	59.9	0.85	105
HEGT85	28002	0.	0.	8915.	0.	3297.	-2029.	A	77.	839.	30.59	0.25	0.12	808.8	24.60	309.6	0	129.0	1.83	79
HEGTGO	28002	0.	0.	1909.	0.	1429.	-1275.	A	77.	77.	6.63	0.25	0.07	149.9	4.56	267.9	12	58.2	0.83	107
HEGT60	28002	0.	0.	3627.	0.	1915.	-1366.	A	77.	275.	11.17	0.25	0.13	263.9	8.03	248.4	6	66.7	0.95	83
HEGT00	28002	0.	0.	1677.	0.	1429.	-1243.	A	77.	77.	6.22	0.25	0.09	130.9	3.98	238.0	15	55.1	0.78	110
HEGT00	28002	0.	0.	2158.	0.	1513.	-1244.	A	77.	111.	6.53	0.25	0.11	144.9	4.41	229.1	14	55.2	0.79	99
FCMCCL	28002	0.	0.	1624.	0.	1429.	-990.		77.	77.	7.40	0.25	0.21	134.2	4.08	281.9	15	52.3	0.74	124
FCMCCL	28002	0.	0.	2227.	0.	1727.	-598.		77.	198.	11.12	0.25	0.34	177.8	5.41	272.4	14	47.5	0.68	113
FCSTCL	28002	0.	0.	1608.	0.	1429.	-974.		77.	77.	7.14	0.25	0.22	131.8	4.01	279.7	16	51.5	0.73	124
FCSTCL	28002	0.	0.	2618.	0.	1948.	-246.		77.	289.	13.23	0.25	0.39	211.2	6.42	275.2	14	42.2	0.60	107
IGGTST	28002	0.	0.	1706.	0.	1429.	-1072.		77.	77.	5.19	0.25	0.17	125.3	3.81	250.7	17	50.6	0.72	119
IGGTST	28002	0.	0.	2440.	0.	1727.	-808.		77.	199.	5.39	0.25	0.27	169.7	5.16	237.4	16	44.7	0.64	105
GTSCAR	28002	0.	1695.	0.	0.	-266.	634.		77.	77.	2.30	0.25	0.18	56.5	1.72	113.8	24	62.3	0.89	137
GTSCAR	28002	0.	2406.	0.	0.	-727.	1734.		77.	211.	2.80	0.25	0.29	85.9	2.61	117.9	13	64.0	0.91	121
GTAC08	28002	0.	1625.	0.	0.	-196.	634.		77.	77.	2.11	0.25	0.21	49.5	1.51	104.0	40	59.1	0.84	143
GTAC08	28002	0.	2048.	0.	0.	-411.	1331.		77.	162.	2.16	0.25	0.31	62.0	1.89	103.3	30	56.8	0.81	132
GTAC12	28002	0.	1632.	0.	0.	-203.	634.		77.	77.	2.20	0.25	0.21	52.8	1.60	110.3	34	59.8	0.85	141
GTAC12	28002	0.	2271.	0.	0.	-533.	1666.		77.	203.	2.49	0.25	0.33	74.6	2.27	112.1	23	57.3	0.81	127
GTAC16	28002	0.	1641.	0.	0.	-211.	634.		77.	77.	2.25	0.25	0.20	54.9	1.67	114.1	30	60.3	0.86	140
GTAC16	28002	0.	2437.	0.	0.	-631.	1894.		77.	231.	2.78	0.25	0.34	85.4	2.60	119.5	19	58.4	0.83	123
GTWC16	28002	0.	1678.	0.	0.	-249.	634.		77.	77.	2.21	0.25	0.19	53.0	1.61	107.8	30	61.3	0.87	139
GTWC16	28002	0.	2605.	0.	0.	-775.	1974.		77.	240.	2.66	0.25	0.32	79.9	2.43	104.7	17	61.1	0.87	121

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ECS	PROCS	FUEL USE IN BTU*10**6 **COGENERATION CASE** DISTIL	RESIDL	COAL	**NOCOGEN - COGEN** DISTIL	RESIDL	COAL	POWER REQD MW	COGEN POWER MW	O&M	POWER /HEAT RATIO	FESR	CAPITAL COST *10**6	NORM COST	$/KW EQVL	ROI (%)	LEVL CHRG	NORM ENRG	WRTH
CC1626	28002	0.	1685.	0.	0.	-256.	634.	77.	77.	2.37	0.25	0.18	54.0	1.64	109.3	26	61.9	0.80	130
CC1626	28002	0.	3344.	0.	0.	-1209.	2997.	77.	365.	3.50	0.25	0.35	102.7	3.12	104.7	12	62.9	0.89	111
CC1622	28002	0.	1666.	0.	0.	-237.	634.	77.	77.	2.38	0.25	0.19	55.3	1.68	113.2	26	61.5	0.87	139
CC1622	28002	0.	3051.	0.	0.	-1007.	2693.	77.	328.	3.58	0.25	0.36	110.3	3.36	123.4	12	62.0	0.88	113
CC1222	28002	0.	1662.	0.	0.	-233.	634.	77.	77.	2.36	0.25	0.19	53.8	1.64	110.5	28	61.2	0.87	140
CC1222	28002	0.	3025.	0.	0.	-985.	2678.	77.	326.	3.38	0.25	0.36	99.2	3.02	112.0	14	60.1	0.85	115
CC0822	28002	0.	1634.	0.	0.	-204.	634.	77.	77.	2.32	0.25	0.21	52.3	1.59	109.3	32	60.0	0.85	142
CC0822	28002	0.	2556.	0.	0.	-683.	2120.	77.	258.	2.87	0.25	0.36	81.0	2.47	108.2	21	56.5	0.80	123
STIG15	28002	0.	1921.	0.	0.	-491.	634.	77.	77.	3.07	0.25	0.07	59.0	1.79	104.8	4	70.5	1.00	125
STIG15	28002	0.	81077.	0.	0.	-57635.	74330.	77.	9053.	136.27	0.25	0.17	2177.7	66.25	91.7	0	1133.9	16.12	440
STIG10	28002	0.	1859.	0.	0.	-430.	634.	77.	77.	2.79	0.25	0.10	56.8	1.73	104.3	11	68.0	0.97	129
STIG10	28002	0.	7955.	0.	0.	-4662.	6874.	77.	837.	11.29	0.25	0.22	214.0	6.51	91.6	0	133.6	1.90	99
STIG1S	28002	0.	1831.	0.	0.	-402.	634.	77.	77.	2.71	0.25	0.11	52.4	1.59	97.6	17	66.6	0.95	132
STIG1S	28002	0.	5000.	0.	0.	-2555.	4033.	77.	491.	7.39	0.25	0.23	137.7	4.19	94.0	0	97.5	1.39	98
DEADV3	28002	0.	1779.	0.	0.	-349.	634.	77.	77.	3.14	0.25	0.14	86.3	2.62	165.5	7	68.9	0.98	126
DEADV3	28002	0.	5142.	0.	0.	-2531.	4590.	77.	559.	9.46	0.25	0.29	337.6	10.27	224.1	0	111.5	1.58	100
DEHTPM	28002	0.	1639.	0.	0.	-210.	634.	77.	77.	3.21	0.25	0.21	86.4	2.63	179.8	12	64.6	0.92	133
DEHTPM	28002	0.	2460.	0.	0.	-642.	1936.	77.	236.	5.35	0.25	0.34	177.5	5.40	246.2	5	70.4	1.00	118
DESOA3	28002	1823.	0.	0.	-1823.	1429.	634.	77.	77.	3.46	0.25	0.12	98.9	3.01	185.	0	85.1	1.21	127
DESOA3	28002	6164.	0.	0.	-6164.	2839.	5355.	77.	652.	13.45	0.25	0.25	494.7	15.05	273.8	0	190.1	2.70	120
DESOA3	28002	0.	1823.	0.	0.	-394.	634.	77.	77.	3.46	0.25	0.12	98.9	3.01	185.1	2	72.0	1.02	123
DESOA3	28002	0.	6164.	0.	0.	-3325.	5355.	77.	652.	13.45	0.25	0.25	494.7	15.05	273.8	0	145.8	2.07	104
GTSOAD	28002	1653.	0.	0.	-1653.	1429.	634.	77.	77.	2.12	0.25	0.20	49.5	1.51	102.2	0	71.9	1.02	146
GTSOAD	28002	2288.	0.	0.	-2288.	1720.	1608.	77.	196.	2.26	0.25	0.31	65.2	1.98	97.2	0	74.5	1.06	134
GTRA08	28002	1686.	0.	0.	-1686.	1429.	634.	77.	77.	2.35	0.25	0.18	58.8	1.79	119.0	0	74.4	1.06	141
GTRA08	28002	3135.	0.	0.	-3135.	2044.	2693.	77.	328.	3.77	0.25	0.34	122.3	3.72	133.1	0	88.4	1.26	119
GTRA12	28002	1676.	0.	0.	-1676.	1429.	634.	77.	77.	2.32	0.25	0.19	57.5	1.75	117.1	0	73.9	1.05	142
GTRA12	28002	3044.	0.	0.	-3044.	2023.	2623.	77.	319.	3.68	0.25	0.34	119.3	3.63	133.7	0	86.2	1.23	120
GTRA16	28002	1673.	0.	0.	-1673.	1429.	634.	77.	77.	2.36	0.25	0.19	59.0	1.80	120.4	0	73.9	1.05	142
GTRA16	28002	2909.	0.	0.	-2909.	1970.	2443.	77.	298.	3.68	0.25	0.34	119.8	3.64	140.5	0	85.4	1.21	121
GTR208	28002	1674.	0.	0.	-1674.	1429.	634.	77.	77.	2.25	0.25	0.19	54.5	1.66	111.1	0	73.4	1.04	143
GTR208	28002	2621.	0.	0.	-2621.	1843.	2018.	77.	245.	2.88	0.25	0.32	88.8	2.70	115.6	0	80.5	1.14	126
GTR212	28002	1675.	0.	0.	-1675.	1429.	634.	77.	77.	2.28	0.25	0.19	55.7	1.69	113.4	0	73.6	1.05	142
GTR212	28002	2726.	0.	0.	-2726.	1887.	2165.	77.	264.	3.19	0.25	0.33	100.7	3.06	126.0	0	82.6	1.17	124
GTR216	28002	1668.	0.	0.	-1668.	1429.	634.	77.	77.	2.32	0.25	0.19	57.4	1.75	117.5	0	73.5	1.05	142
GTR216	28002	2737.	0.	0.	-2737.	1903.	2220.	77.	270.	3.38	0.25	0.34	108.1	3.29	134.8	0	82.6	1.17	124
GTRW08	28002	1746.	0.	0.	-1746.	1429.	634.	77.	77.	2.29	0.25	0.15	55.7	1.69	108.8	0	76.4	1.09	139
GTRW08	28002	3800.	0.	0.	-3800.	2199.	3210.	77.	391.	3.84	0.25	0.30	123.3	3.75	110.8	0	101.0	1.45	114
GTRW12	28002	1722.	0.	0.	-1722.	1429.	634.	77.	77.	2.28	0.25	0.17	55.6	1.69	110.2	0	75.4	1.07	140
GTRW12	28002	3718.	0.	0.	-3718.	2213.	3256.	77.	397.	3.86	0.25	0.32	124.2	3.78	114.0	0	97.6	1.39	115
GTRW16	28002	1717.	0.	0.	-1717.	1429.	634.	77.	77.	2.30	0.25	0.17	56.6	1.72	112.5	0	75.3	1.07	140
GTRW16	28002	3506.	0.	0.	-3506.	2140.	3012.	77.	367.	3.81	0.25	0.32	122.8	3.74	119.5	0	95.1	1.35	116
GTR308	28002	1769.	0.	0.	-1769.	1429.	634.	77.	77.	2.26	0.25	0.14	54.3	1.65	104.7	0	77.1	1.10	139
GTR308	28002	3286.	0.	0.	-3286.	1972.	2451.	77.	293.	3.05	0.25	0.26	93.1	2.83	96.7	0	96.5	1.37	118

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GTR312	28002	1710.	0.	0.	-1710.	1429.	634.	77.	77.	2.24	0.25	0.17	54.0	1.64	107.8	0	74.7	1.06	141
GTR312	28002	3180.	0.	0.	-3180.	2022.	2617.	77.	319.	3.15	0.25	0.31	97.7	2.97	104.9	0	88.0	1.26	120
GTR316	28002	1712.	0.	0.	-1712.	1429.	634.	77.	77.	2.27	0.25	0.17	55.1	1.68	109.9	0	75.0	1.07	141
GTR316	28002	3158.	0.	0.	-3158.	2010.	2576.	77.	314.	3.22	0.25	0.31	100.4	3.06	108.5	0	89.3	1.27	120
FCPADS	28002	1795.	0.	0.	-1795.	1429.	634.	77.	77.	10.23	0.25	0.13	81.2	2.47	154.4	0	88.9	1.26	134
FCPADS	28002	6200.	0.	0.	-6200.	2933.	5669.	77.	691.	76.70	0.25	0.28	364.3	11.08	200.5	0	233.3	3.32	140
FCMCDS	28002	1704.	0.	0.	-1704.	1429.	634.	77.	77.	9.71	0.25	0.17	84.3	2.56	168.7	0	85.2	1.21	137
FCMCDS	28002	4524.	0.	0.	-4524.	2580.	4485.	77.	546.	57.55	0.25	0.36	326.4	9.93	246.3	0	173.8	2.47	132

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ONOCGN	28003	0.	1352.	798.	0.	0.	0.		97.	0.	1.26	0.35	0.	30.9	1.00	94.8	0	72.8	1.00	80
STM141	28003	0.	1431.	385.	0.	-79.	413.		97.	50.	1.54	0.35	0.16	35.9	1.15	93.0	84	63.2	0.87	129
STM141	28003	0.	115.	1701.	0.	1238.	-903.	F	97.	50.	3.61	0.35	0.16	68.5	2.21	177.7	34	51.2	0.70	111
STM141	28003	0.	115.	1701.	0.	1238.	-903.	A	97.	50.	3.49	0.35	0.16	53.0	1.71	137.3	55	46.4	0.68	115
STM088	28003	0.	1407.	510.	0.	-55.	288.		97.	35.	1.44	0.35	0.11	32.6	1.05	88.5	137	65.9	0.90	123
STM088	28003	0.	152.	1765.	0.	1200.	-967.	F	97.	35.	3.37	0.35	0.11	64.0	2.07	174.1	33	54.4	0.75	104
STM088	28003	0.	152.	1765.	0.	1200.	-967.	A	97.	35.	3.37	0.35	0.11	51.1	1.65	138.9	51	53.1	0.73	106
PFDSTM	28003	0.	28.	1567.	0.	1324.	-769.		97.	86.	6.03	0.35	0.26	68.0	2.20	157.5	42	44.5	0.61	124
TISTMT	28003	0.	1515.	0.	0.	-163.	798.		97.	97.	5.08	0.35	0.30	163.8	5.29	368.9	6	71.1	0.98	137
TISTMT	28003	0.	1592.	0.	0.	-194.	951.		97.	116.	5.34	0.35	0.32	183.1	5.92	392.4	5	72.1	0.99	128
TISTMT	28003	0.	0.	1515.	0.	1352.	-717.		97.	97.	7.72	0.35	0.30	212.9	6.88	479.6	10	58.8	0.81	130
TISTMT	28003	0.	0.	1592.	0.	1398.	-641.		97.	116.	7.82	0.35	0.32	230.5	7.45	493.9	10	58.4	0.80	122
TIHRSG	28003	0.	1557.	302.	0.	-204.	496.		97.	60.	4.65	0.35	0.14	164.4	5.31	382.5	0	81.1	1.11	108
TIHRSG	28003	0.	90.	1768.	0.	1262.	-970.		97.	60.	7.05	0.35	0.14	208.9	6.75	486.1	6	69.2	0.95	101
STIRL	28003	1692.	0.	0.	-1692.	1352.	798.		97.	97.	3.02	0.35	0.21	82.2	2.66	165.8	0	77.8	1.07	138
STIRL	28003	1985.	0.	0.	-1985.	1474.	1203.		97.	147.	3.27	0.35	0.26	101.9	3.29	175.2	0	81.6	1.12	129
STIRL	28003	0.	1692.	0.	0.	-339.	798.		97.	97.	3.02	0.35	0.21	82.3	2.66	166.0	14	65.6	0.90	134
STIRL	28003	0.	1985.	0.	0.	-511.	1203.		97.	147.	3.27	0.35	0.26	102.0	3.30	175.4	10	67.3	0.92	124
STIRL	28003	0.	0.	1692.	0.	1352.	-894.		97.	97.	6.19	0.35	0.21	143.5	4.64	289.5	16	52.6	0.72	122
STIRL	28003	0.	0.	1985.	0.	1474.	-702.		97.	147.	6.91	0.35	0.26	180.6	5.84	310.5	14	52.7	0.72	112
HEGT85	28003	0.	0.	2004.	0.	1352.	-1206.	A	97.	97.	7.28	0.35	0.07	172.4	5.57	293.6	10	63.0	0.87	103
HEGT85	28003	0.	0.	8010.	0.	2962.	-1823.	A	97.	754.	28.13	0.35	0.12	749.6	24.22	319.4	0	124.6	1.71	79
HEGT60	28003	0.	0.	1957.	0.	1352.	-1159.	A	97.	97.	6.85	0.35	0.09	154.2	4.98	269.0	12	59.7	0.82	108
HEGT60	28003	0.	0.	3256.	0.	1721.	-1228.	A	97.	247.	10.27	0.35	0.13	244.7	7.91	256.3	7	66.7	0.92	90
HEGT00	28003	0.	0.	1916.	0.	1352.	-1118.	A	97.	97.	6.25	0.35	0.11	135.4	4.38	241.3	15	56.3	0.77	111
HEGT00	28003	0.	0.	1939.	0.	1359.	-1118.	A	97.	100.	6.01	0.35	0.11	134.3	4.34	236.4	15	55.8	0.77	100
FCMCCL	28003	0.	0.	1598.	0.	1352.	-800.		97.	97.	7.76	0.35	0.26	133.0	4.30	284.0	17	52.1	0.71	128
FCMCCL	28003	0.	0.	2001.	0.	1551.	-537.		97.	178.	10.16	0.35	0.34	164.3	5.31	280.2	15	49.0	0.67	119
FCSTCL	28003	0.	0.	1578.	0.	1352.	-780.		97.	97.	7.61	0.35	0.27	137.6	4.45	297.6	16	52.1	0.71	129
FCSTCL	28003	0.	0.	2352.	0.	1751.	-221.		97.	260.	12.09	0.35	0.39	195.1	6.30	283.1	15	44.4	0.61	116
IGGTST	28003	0.	0.	1701.	0.	1352.	-903.		97.	97.	4.95	0.35	0.21	123.0	3.97	246.8	19	50.0	0.69	122
IGGTST	28003	0.	0.	2192.	0.	1552.	-726.		97.	179.	5.00	0.35	0.27	155.7	5.03	242.5	17	46.4	0.64	111
GTSOAR	28003	0.	1607.	0.	0.	-335.	798.		97.	97.	2.26	0.35	0.22	55.1	1.78	111.4	30	61.8	0.85	140
GTSOAR	28003	0.	2233.	0.	0.	-654.	1558.		97.	190.	2.45	0.35	0.29	73.1	2.36	111.7	19	62.6	0.86	128
GTAC08	28003	0.	1599.	0.	0.	-246.	798.		97.	97.	2.11	0.35	0.26	50.3	1.63	107.4	43	58.4	0.80	145
GTAC08	28003	0.	1340.	0.	0.	-369.	1196.		97.	146.	2.02	0.35	0.31	57.3	1.85	106.2	37	56.9	0.78	137
GTAC12	28003	0.	1608.	0.	0.	-255.	798.		97.	97.	2.20	0.35	0.25	53.5	1.73	113.5	37	59.1	0.81	144
GTAC12	28003	0.	2040.	0.	0.	-479.	1497.		97.	182.	2.32	0.35	0.33	68.6	2.22	114.8	28	57.4	0.79	134
GTAC16	28003	0.	1619.	0.	0.	-266.	798.		97.	97.	2.21	0.35	0.25	53.6	1.73	113.1	36	59.5	0.82	144
GTAC16	28003	0.	2190.	0.	0.	-567.	1702.		97.	207.	2.58	0.35	0.34	78.5	2.54	122.3	22	53.4	0.80	130
GTWC16	28003	0.	1666.	0.	0.	-313.	798.		97.	97.	2.16	0.35	0.23	51.0	1.65	104.4	37	60.6	0.83	142
GTWC16	28003	0.	2340.	0.	0.	-696.	1774.		97.	216.	2.49	0.35	0.32	74.0	2.39	107.9	21	60.3	0.84	128
CC1626	28003	0.	1674.	0.	0.	-322.	798.		97.	97.	2.42	0.35	0.22	55.7	1.80	113.6	28	61.8	0.85	140

ECS	PROCS	FUEL USE IN BTU*10**6 **COGENERATION CASE** DISTIL	RESIDL	COAL	**NOCOGEN - COGEN** DISTIL	RESIDL	COAL	POWER REQD MW	COGEN POWER MW	O&M	POWER /HEAT RATIO	FESR	CAPITAL COST *10**6	NORM COST	$/KW EQVL	ROI (%)	LEVL CHRG	NORM ENRG	WRTH
CC1626	28003	0.	3005.	0.	0.	-1086.	2693.	97.	328.	3.27	0.35	0.35	95.0	3.07	107.8	15	62.6	0.86	119
CC1622	28003	0.	1651.	0.	0.	-298.	798.	97.	97.	2.44	0.35	0.23	57.6	1.86	119.1	28	61.3	0.84	141
CC1622	28003	0.	2741.	0.	0.	-904.	2420.	97.	295.	3.23	0.35	0.36	97.5	3.15	121.4	16	61.2	0.84	122
CC1222	28003	0.	1646.	0.	0.	-293.	798.	97.	97.	2.42	0.35	0.23	55.8	1.80	115.7	30	60.9	0.84	142
CC1222	28003	0.	2718.	0.	0.	-885.	2406.	97.	293.	3.15	0.35	0.36	91.3	2.95	114.6	17	60.0	0.82	123
CC0822	28003	0.	1610.	0.	0.	-257.	798.	97.	97.	2.28	0.35	0.25	50.5	1.63	107.0	40	59.0	0.81	145
CC0822	28003	0.	2297.	0.	0.	-614.	1904.	97.	232.	2.61	0.35	0.36	71.9	2.32	106.9	27	56.3	0.77	131
STIG15	28003	0.	1971.	0.	0.	-619.	798.	97.	97.	3.32	0.35	0.08	61.5	1.99	106.4	5	72.6	1.00	125
STIG15	28003	0.	72846.	0.	0.	-51784.	66784.	97.	8134.	122.67	0.35	0.17	1960.1	63.33	91.8	0	1025.1	14.08	389
STIG10	28003	0.	1894.	0.	0.	-541.	798.	97.	97.	2.89	0.35	0.12	55.5	1.79	100.1	15	69.1	0.95	130
STIG10	28003	0.	7147.	0.	0.	-4188.	6176.	97.	752.	10.23	0.35	0.22	193.4	6.25	92.3	0	125.9	1.73	98
STIG1S	28003	0.	1858.	0.	0.	-506.	798.	97.	97.	2.89	0.35	0.14	54.1	1.75	99.4	18	67.8	0.93	132
STIG1S	28003	0.	4492.	0.	0.	-2296.	3523.	97.	441.	6.71	0.35	0.23	124.6	4.02	94.6	0	93.4	1.28	103
DEADV3	28003	0.	1792.	0.	0.	-440.	798.	97.	97.	3.31	0.35	0.17	92.4	2.99	176.0	8	70.2	0.95	128
DEADV3	28003	0.	4620.	0.	0.	-2274.	4124.	97.	502.	8.86	0.35	0.29	315.2	10.18	232.8	0	107.4	1.47	104
DEHTPM	28003	0.	1617.	0.	0.	-265.	798.	97.	97.	3.40	0.35	0.25	93.4	3.02	197.2	13	64.8	0.89	136
DEHTPM	28003	0.	2210.	0.	0.	-577.	1739.	97.	212.	4.87	0.35	0.34	160.0	5.17	247.0	7	69.0	0.95	125
DESOA3	28003	1848.	0.	0.	-1848.	1352.	798.	97.	97.	3.71	0.35	0.14	108.3	3.50	199.9	0	87.3	1.20	128
DESOA3	28003	5539.	0.	0.	-5539.	2551.	4811.	97.	586.	12.17	0.35	0.25	445.1	14.38	274.2	0	176.6	2.43	118
DESOA3	28003	0.	1848.	0.	0.	-496.	798.	97.	97.	3.71	0.35	0.14	108.3	3.50	199.9	4	74.0	1.02	123
DESOA3	28003	0.	5539.	0.	0.	-2987.	4811.	97.	586.	12.17	0.35	0.25	445.1	14.38	274.2	0	136.8	1.88	105
GTSOAD	28003	1634.	0.	0.	-1634.	1352.	798.	97.	97.	2.11	0.35	0.24	49.5	1.60	103.3	11	71.2	0.98	149
GTSOAD	28003	2056.	0.	0.	-2056.	1546.	1445.	97.	176.	2.11	0.35	0.31	60.1	1.94	99.8	5	72.8	1.00	139
GTRA08	28003	1676.	0.	0.	-1676.	1352.	798.	97.	97.	2.42	0.35	0.22	61.2	1.98	124.5	0	74.3	1.02	143
GTRA08	28003	2816.	0.	0.	-2816.	1837.	2419.	97.	295.	3.46	0.35	0.34	111.0	3.59	134.5	0	85.2	1.17	126
GTRA12	28003	1663.	0.	0.	-1663.	1352.	798.	97.	97.	2.38	0.35	0.23	59.9	1.94	122.9	2	73.7	1.01	144
GTRA12	28003	2735.	0.	0.	-2735.	1818.	2356.	97.	287.	3.37	0.35	0.34	107.7	3.48	134.3	0	83.2	1.14	127
GTRA16	28003	1659.	0.	0.	-1659.	1352.	798.	97.	97.	2.40	0.35	0.23	63.8	2.06	131.2	1	74.0	1.02	143
GTRA16	28003	2613.	0.	0.	-2613.	1770.	2195.	97.	267.	3.37	0.35	0.34	108.2	3.50	141.3	0	82.5	1.13	128
GTR208	28003	1660.	0.	0.	-1660.	1352.	798.	97.	97.	2.26	0.35	0.23	55.4	1.79	113.8	4	73.0	1.00	145
GTR208	28003	2355.	0.	0.	-2355.	1656.	1813.	97.	221.	2.63	0.35	0.32	79.6	2.57	115.4	0	78.0	1.07	133
GTR212	28003	1662.	0.	0.	-1662.	1352.	798.	97.	97.	2.30	0.35	0.23	56.7	1.83	116.4	4	73.2	1.01	145
GTR212	28003	2449.	0.	0.	-2449.	1695.	1945.	97.	237.	2.79	0.35	0.33	85.8	2.77	119.6	0	79.3	1.09	132
GTR216	28003	1652.	0.	0.	-1652.	1352.	798.	97.	97.	2.35	0.35	0.23	58.8	1.90	121.5	4	73.1	1.00	145
GTR216	28003	2459.	0.	0.	-2459.	1710.	1994.	97.	243.	2.96	0.35	0.34	92.3	2.98	128.1	0	79.3	1.09	131
GTRW08	28003	1751.	0.	0.	-1751.	1352.	798.	97.	97.	2.34	0.35	0.19	57.5	1.86	112.0	0	76.8	1.05	141
GTRW08	28003	3414.	0.	0.	-3414.	1975.	2884.	97.	351.	3.53	0.35	0.30	111.9	3.62	111.9	0	97.3	1.34	121
GTRW12	28003	1721.	0.	0.	-1721.	1352.	798.	97.	97.	2.33	0.35	0.20	57.4	1.86	113.9	0	75.6	1.04	142
GTRW12	28003	3340.	0.	0.	-3340.	1988.	2926.	97.	356.	3.54	0.35	0.32	112.7	3.64	115.1	0	93.5	1.28	122
GTRW16	28003	1715.	0.	0.	-1715.	1352.	798.	97.	97.	2.36	0.35	0.20	58.5	1.89	116.5	0	75.5	1.04	142
GTRW16	28003	3150.	0.	0.	-3150.	1923.	2706.	97.	330.	3.29	0.35	0.32	103.3	3.34	111.9	0	90.2	1.24	124
GTR308	28003	1780.	0.	0.	-1780.	1352.	798.	97.	97.	2.30	0.35	0.17	55.7	1.80	106.8	0	77.7	1.07	140
GTR308	28003	2952.	0.	0.	-2952.	1772.	2202.	97.	268.	2.85	0.35	0.26	86.1	2.78	99.6	0	92.7	1.27	125
GTR312	28003	1706.	0.	0.	-1706.	1352.	798.	97.	97.	2.28	0.35	0.21	55.4	1.79	110.9	0	74.8	1.03	143

GENERAL ELECTRIC COMPANY
COGENERATION TECHNOLOGY ALTERNATIVES STUDY
REPORT 5.2
SUMMARY OF FUEL SAVED BY TYPE & ECONOMICS

		FUEL USE IN BTU*10**6																
		COGENERATION CASE			**NOCOGEN - COGEN**			POWER	COGEN	O&M	POWER	FESR	CAPITAL	NORM	$/KW	ROI	LEVL	NORM	WRTH
ECS	PROCS	DISTIL	RESIDL	COAL	DISTIL	RESIDL	COAL	REQD MW	POWER MW		/HEAT RATIO		COST *10**6	COST	EQVL	(%)	CHRG	ENRG	
GTR312	28003	2857.	0.	0.	-2857.	1816.	2351.	97.	286.	2.89	0.35	0.31	88.2	2.85	105.3	0	85.5	1.17	127
GTR316	28003	1708.	0.	0.	-1708.	1352.	798.	97.	97.	2.31	0.35	0.21	56.7	1.83	113.3	0	75.0	1.03	143
GTR316	28003	2838.	0.	0.	-2838.	1806.	2315.	97.	282.	2.95	0.35	0.31	90.7	2.93	109.1	0	86.0	1.18	127
FCPADS	23003	1812.	0.	0.	-1812.	1352.	798.	97.	97.	12.29	0.35	0.16	86.0	2.78	162.0	0	92.2	1.27	135
FCPADS	28003	5571.	0.	0.	-5571.	2636.	5094.	97.	620.	56.95	0.35	0.28	327.9	10.60	200.9	0	215.3	2.96	135
FCMCDS	28003	1698.	0.	0.	-1698.	1352.	798.	97.	97.	11.63	0.35	0.21	89.5	2.89	179.8	0	87.4	1.20	139
FCHCDS	28003	4064.	0.	0.	-4064.	2318.	4029.	97.	491.	51.89	0.35	0.36	299.7	9.68	251.6	0	162.7	2.23	133

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REPORT 5.2
SUMMARY OF FUEL SAVED BY TYPE & ECONOMICS

ECS	PROCS	FUEL USE IN BTU*10**6 — **COGENERATION CASE** DISTIL	RESIDL	COAL	**NOCOGEN - COGEN** DISTIL	RESIDL	COAL	POWER REQD MW	COGEN POWER MW	O&M	POWER /HEAT RATIO	FESR	CAPITAL COST *10**6	NORM COST	$/KW EQVL	ROI (%)	LEVL CHG	NORM ENRG	WRTH
ONOCGN	28121	0.	606.	985.	0.	0.	0.	120.	0.	0.54	1.55	0.	8.6	1.00	94.6	0	50.4	1.00	80
STM141	28121	0.	635.	835.	0.	-29.	150.	120.	18.	0.75	1.55	0.08	12.5	1.44	110.4	43	47.3	0.94	103
STM141	28121	0.	249.	1220.	0.	357.	-235. F	120.	18.	1.56	1.55	0.08	25.3	2.92	223.9	24	44.5	0.88	88
STM141	28121	0.	249.	1220.	0.	357.	-235. A	120.	18.	1.40	1.55	0.08	18.5	2.14	163.7	39	43.6	0.87	93
STM088	28121	0.	628.	872.	0.	-21.	113.	120.	14.	0.72	1.55	0.06	11.2	1.30	104.6	46	48.0	0.95	100
STM088	28121	0.	261.	1239.	0.	345.	-254. F	120.	14.	1.47	1.55	0.06	23.4	2.71	217.8	23	45.4	0.90	84
STM088	28121	0.	261.	1239.	0.	345.	-254. A	120.	14.	1.35	1.55	0.06	17.5	2.03	163.0	37	44.6	0.89	89
PFBSTM	28121	0.	225.	1181.	0.	382.	-195.	120.	28.	2.32	1.55	0.12	30.4	3.52	242.2	23	43.3	0.86	94
TISTMT	28121	0.	668.	677.	0.	-62.	308.	120.	37.	2.31	1.55	0.15	72.8	8.43	533.0	3	51.6	1.02	98
TISTMT	28121	0.	202.	1144.	0.	404.	-158.	120.	37.	3.30	1.55	0.15	92.2	10.67	674.9	6	48.6	0.97	95
TIHRSG	28121	0.	658.	848.	0.	-52.	137.	120.	17.	1.89	1.55	0.05	61.9	7.17	522.3	0	54.7	1.09	79
TIHRSG	28121	0.	253.	1253.	0.	353.	-268.	120.	17.	2.80	1.55	0.05	79.5	9.20	669.9	2	52.5	1.04	76
STIRL	28121	563.	190.	635.	-563.	416.	350.	120.	43.	1.21	1.55	0.13	30.3	3.50	183.5	2	51.1	1.01	104
STIRL	28121	0.	753.	635.	0.	-147.	350.	120.	43.	1.22	1.55	0.13	30.3	3.51	183.7	14	47.1	0.94	102
STIRL	28121	0.	190.	1198.	0.	416.	-213.	120.	43.	2.37	1.55	0.13	53.0	6.13	321.0	15	43.4	0.86	94
HEGT85	28121	0.	0.	1348.	0.	606.	-363. A	120.	120.	6.08	1.55	0.15	154.6	17.90	391.5	7	47.0	0.93	110
HEGT85	28121	0.	0.	1661.	0.	595.	-376. A	120.	156.	6.74	1.55	0.16	178.6	20.67	366.9	6	48.8	0.97	100
HEGT60	28121	0.	138.	1301.	0.	468.	-316. A	120.	64.	3.66	1.55	0.10	93.7	10.85	381.5	7	47.3	0.94	92
HEGT00	28121	0.	227.	1294.	0.	379.	-309. A	120.	28.	2.29	1.55	0.04	54.0	6.25	344.1	9	48.0	0.95	81
FCMCCL	28121	0.	172.	1135.	0.	434.	-150.	120.	50.	3.54	1.55	0.18	64.8	7.50	395.7	12	43.7	0.87	100
FCSTCL	28121	0.	100.	1021.	0.	506.	-36.	120.	79.	4.42	1.55	0.30	80.2	9.28	398.0	15	38.9	0.77	115
IGGTST	28121	0.	157.	1169.	0.	449.	-183.	120.	56.	2.33	1.55	0.17	62.6	7.25	333.2	15	41.8	0.83	99
GTSOAR	28121	0.	780.	557.	0.	-174.	428.	120.	52.	0.97	1.55	0.16	23.2	2.68	129.0	27	44.6	0.89	111
GTAC08	28121	0.	710.	650.	0.	-104.	335.	120.	41.	0.82	1.55	0.15	18.2	2.10	120.2	37	44.6	0.89	111
GTAC12	28121	0.	739.	567.	0.	-133.	418.	120.	51.	0.92	1.55	0.18	21.5	2.49	128.8	34	43.4	0.86	114
GTAC16	28121	0.	761.	513.	0.	-155.	472.	120.	58.	1.00	1.55	0.20	24.5	2.83	137.4	31	42.8	0.85	115
GTAC16	28121	0.	801.	488.	0.	-195.	487.	120.	61.	1.00	1.55	0.19	24.0	2.78	125.0	30	43.3	0.86	115
GTHC16	28121	0.	929.	166.	0.	-323.	817.	120.	100.	1.42	1.55	0.31	33.1	3.83	128.5	[illegible]	38.9	0.77	126
CC1626	28121	0.	876.	249.	0.	-270.	736.	120.	90.	1.37	1.55	0.29	32.8	3.80	139.6	[illegible]	39.6	0.79	124
CC1622	28121	0.	870.	252.	0.	-264.	733.	120.	89.	1.35	1.55	0.29	31.1	3.60	133.3	31	39.3	0.78	125
CC1222	28121	0.	791.	399.	0.	-185.	586.	120.	71.	1.19	1.55	0.25	25.9	3.00	131.7	34	40.7	0.81	121
CC0822	28121	0.	1370.	0.	0.	-764.	985.	120.	120.	2.97	1.55	0.14	45.9	5.32	114.5	5	50.2	1.00	118
STIG15	28121	0.	20385.	0.	0.	-14491.	18688.	120.	2276.	34.93	1.55	0.17	565.4	65.44	94.7	0	301.7	5.99	187
STIG15	28121	0.	1274.	0.	0.	-668.	985.	120.	120.	2.49	1.55	0.20	42.5	4.92	113.9	13	46.4	0.92	124
STIG10	28121	0.	2000.	0.	0.	-1172.	1728.	120.	210.	3.38	1.55	0.22	62.8	7.27	107.2	0	54.1	1.07	112
STIG10	28121	0.	1230.	0.	0.	-624.	985.	120.	120.	2.33	1.55	0.23	39.5	4.57	109.6	17	44.5	0.88	128
STIGIS	28121	0.	1257.	0.	0.	-642.	1014.	120.	124.	2.26	1.55	0.23	39.7	4.59	107.7	16	44.6	0.89	117
STIGIS	28121	0.	1134.	0.	0.	-528.	985.	120.	120.	2.76	1.55	0.29	81.0	9.38	243.8	9	46.4	0.92	130
DEADV3	28121	0.	1222.	0.	0.	-585.	1091.	120.	133.	2.80	1.55	0.29	87.7	10.15	244.8	8	47.3	0.94	120
DEADV3	28121	0.	761.	485.	0.	-155.	500.	120.	61.	1.70	1.55	0.22	46.1	5.33	255.0	14	44.9	0.89	111
DEHTPM	28121	1202.	0.	0.	-1202.	606.	985.	120.	120.	3.31	1.55	0.24	101.0	11.69	286.8	0	59.5	1.18	130
DESOA3	28121	1449.	0.	0.	-1449.	688.	1259.	120.	153.	3.77	1.55	0.26	124.9	14.45	294.0	0	65.3	1.30	122
DESOA3	28121	0.	1202.	0.	0.	-596.	985.	120.	120.	3.31	1.55	0.24	101.0	11.69	286.8	4	51.1	1.02	126

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SUMMARY OF FUEL SAVED BY TYPE & ECONOMICS

		FUEL USE IN BTU=10**6																
		COGENERATION CASE			**NOCOGEN - COGEN**			POWER	COGEN	O&M	POWER	FESR	CAPITAL	NORM	$/KW	ROI	LEVL	NORM	WRTH
ECS	PROCS	DISTIL	RESIDL	COAL	DISTIL	RESIDL	COAL	REQD MW	POWER MW		/HEAT RATIO		COST *10**6	COST	EQVL	(%)	CHRG	ENRG	
DESOA3	28121	0.	1449.	0.	0.	-762.	1259.	120.	153.	3.77	1.55	0.26	124.9	14.45	294.0	1	55.2	1.10	117
GTSOAD	28121	572.	174.	584.	-572.	432.	402.	120.	49.	0.86	1.55	0.16	19.0	2.20	113.3	20	47.8	0.95	116
GTRA08	28121	762.	99.	330.	-762.	507.	655.	120.	80.	1.26	1.55	0.25	33.4	3.87	149.6	14	46.9	0.93	122
GTRA12	28121	745.	103.	344.	-745.	503.	642.	120.	78.	1.22	1.55	0.25	31.9	3.69	146.0	15	46.5	0.92	122
GTRA16	28121	715.	115.	385.	-715.	491.	600.	120.	73.	1.22	1.55	0.24	32.1	3.71	153.2	14	47.0	0.93	120
GTR208	28121	648.	145.	486.	-648.	461.	499.	120.	61.	1.03	1.55	0.20	25.1	2.91	132.3	15	47.6	0.95	117
GTR212	28121	674.	134.	450.	-674.	472.	535.	120.	65.	1.09	1.55	0.21	27.1	3.14	137.3	15	47.4	0.94	118
GTR216	28121	676.	130.	437.	-676.	476.	549.	120.	67.	1.13	1.55	0.22	29.0	3.36	146.3	15	47.2	0.94	118
GTRW08	28121	927.	60.	202.	-927.	546.	703.	120.	95.	1.29	1.55	0.25	33.5	3.88	123.2	11	48.0	0.95	123
GTRW12	28121	912.	56.	186.	-912.	550.	799.	120.	97.	1.30	1.55	0.27	33.8	3.91	126.5	14	46.9	0.93	125
GTRW16	28121	865.	72.	242.	-865.	534.	743.	120.	90.	1.28	1.55	0.26	33.5	3.88	132.4	13	47.3	0.94	123
GTR308	28121	802.	116.	387.	-802.	490.	598.	120.	73.	1.12	1.55	0.18	27.5	3.18	116.9	7	49.8	0.99	116
GTR312	28121	791.	100.	335.	-791.	506.	651.	120.	79.	1.14	1.55	0.23	28.5	3.30	123.2	14	47.5	0.94	121
GTR316	28121	786.	103.	344.	-786.	503.	641.	120.	78.	1.17	1.55	0.23	29.5	3.41	127.9	13	47.8	0.95	120
FCPADS	28121	1174.	0.	0.	-1174.	606.	985.	120.	120.	13.64	1.55	0.26	74.0	8.56	215.0	0	65.9	1.31	137
FCPADS	28121	1559.	0.	0.	-1559.	738.	1425.	120.	174.	19.18	1.55	0.28	100.9	11.68	220.9	0	78.4	1.56	131
FCMCDS	28121	1033.	0.	0.	-1033.	606.	985.	120.	120.	12.79	1.55	0.35	78.0	9.02	257.5	0	60.2	1.20	145
FCMCDS	28121	1137.	0.	0.	-1137.	649.	1128.	120.	137.	14.36	1.55	0.36	86.6	10.02	259.8	0	63.2	1.26	136

ECS	PROCS	FUEL USE IN BTU=10**6 DISTIL	RESIDL	COAL	DISTIL	RESIDL	COAL		POWER REQD MW	COGEN POWER MW	O&M	POWER /HEAT RATIO	FESR	CAPITAL COST *10**6	NORM COST	$/KW EQVL	ROI (%)	LEVL CHRG	NORM ENRG	WRTH
		COGENERATION CASE			**NOCOGEN - COGEN**															
ONOCGN	28191	0.	1227.	249.	0.	0.	0.		30.	0.	1.28	0.11	0.	31.6	1.00	93.4	0	46.2	1.00	60
STM141	28191	0.	1275.	0.	0.	-47.	249.		30.	30.	1.73	0.11	0.14	34.8	1.10	93.1	65	43.2	0.90	142
STM141	28191	0.	1291.	0.	0.	-54.	283.		30.	35.	1.48	0.11	0.15	33.8	1.07	89.2	93	42.6	0.88	133
STM141	28191	0.	0.	1275.	0.	1227.	-1025.	F	30.	30.	3.93	0.11	0.14	70.8	2.25	189.7	25	33.5	0.69	122
STM141	28191	0.	0.	1291.	0.	1238.	-1008.	F	30.	35.	3.46	0.11	0.15	66.0	2.09	174.4	30	32.0	0.66	113
STM141	28191	0.	0.	1275.	0.	1227.	-1026.	A	30.	30.	3.65	0.11	0.14	51.8	1.64	138.7	45	31.2	0.65	127
STM141	28191	0.	0.	1291.	0.	1238.	-1008.	A	30.	35.	3.31	0.11	0.15	50.7	1.61	134.0	49	30.2	0.63	118
STM088	28191	0.	1250.	85.	0.	-31.	164.		30.	20.	1.38	0.11	0.09	30.1	0.95	83.4	999	44.4	0.92	128
STM088	28191	0.	25.	1318.	0.	1202.	-1069.	F	30.	20.	3.22	0.11	0.09	61.2	1.94	169.5	29	34.3	0.71	107
STM088	28191	0.	25.	1318.	0.	1202.	-1069.	A	30.	20.	3.19	0.11	0.09	48.5	1.54	134.3	48	32.9	0.68	111
PFBSTM	28191	0.	0.	1283.	0.	1227.	-1034.		30.	30.	4.73	0.11	0.13	65.4	2.07	173.9	27	33.8	0.70	123
PFBSTM	28191	0.	0.	1452.	0.	1324.	-879.		30.	70.	5.68	0.11	0.23	65.7	2.08	154.4	32	30.3	0.63	115
TISTMT	28191	0.	1278.	0.	0.	-51.	249.		30.	30.	3.26	0.11	0.13	92.9	2.94	247.9	0	51.1	1.06	126
TISTMT	28191	0.	1561.	0.	0.	-167.	809.		30.	99.	5.21	0.11	0.29	178.6	5.66	390.4	0	57.9	1.20	114
TISTMT	28191	0.	0.	1278.	0.	1227.	-1030.		30.	30.	5.50	0.11	0.13	132.5	4.20	353.0	9	41.8	0.87	116
TISTMT	28191	0.	0.	1561.	0.	1395.	-752.		30.	99.	7.59	0.11	0.29	225.3	7.14	492.5	6	46.0	0.95	106
TIHRSG	28191	0.	1373.	0.	0.	-146.	249.		30.	30.	3.61	0.11	0.07	111.4	3.53	276.9	0	56.0	1.16	118
TIHRSG	28191	0.	1647.	0.	0.	-328.	558.		30.	68.	5.06	0.11	0.12	180.1	5.71	373.1	0	65.7	1.36	106
TIHRSG	28191	0.	0.	1373.	0.	1227.	-1125.		30.	30.	5.95	0.11	0.07	150.8	4.78	374.6	6	45.9	0.95	109
TIHRSG	28191	0.	0.	1647.	0.	1320.	-1089.		30.	68.	7.62	0.11	0.12	228.7	7.25	473.8	2	53.6	1.11	97
STIRL	28191	1343.	0.	0.	-1343.	1227.	249.		30.	30.	2.21	0.11	0.09	53.2	1.69	135.2	0	56.5	1.17	134
STIRL	28191	1917.	0.	0.	-1917.	1452.	1002.		30.	122.	3.16	0.11	0.22	97.8	3.10	174.1	0	65.8	1.36	111
STIRL	28191	0.	1343.	0.	0.	-115.	249.		30.	30.	2.21	0.11	0.09	53.2	1.69	135.3	7	47.6	0.99	129
STIRL	28191	0.	1917.	0.	0.	-465.	1002.		30.	122.	3.16	0.11	0.22	97.9	3.10	174.4	0	53.0	1.10	104
STIRL	28191	0.	0.	1343.	0.	1227.	-1094.		30.	30.	4.53	0.11	0.09	93.4	2.96	237.4	16	37.5	0.78	113
STIRL	28191	0.	0.	1917.	0.	1452.	-915.		30.	122.	6.61	0.11	0.22	174.8	5.54	311.2	9	40.8	0.85	91
IIEGTGO	28191	0.	0.	1485.	0.	1227.	-1237.	A	30.	30.	4.79	0.11	-0.01	103.9	3.29	238.8	11	41.6	0.86	102
IIEGTGO	28191	0.	0.	6901.	0.	2438.	-2600.	A	30.	524.	20.38	0.11	-0.02	508.6	16.12	251.5	0	101.2	2.10	68
IIGTGO	28191	0.	0.	1421.	0.	1227.	-1172.	A	30.	30.	4.67	0.11	0.04	98.4	3.12	236.2	13	39.7	0.82	107
IIPOTGO	28191	0.	0.	2121.	0.	1421.	-1223.	A	30.	109.	6.28	0.11	0.09	143.1	4.54	230.3	0	43.4	0.90	81
PCHCCL	28191	0.	0.	1305.	0.	1227.	-1056.		30.	30.	5.07	0.11	0.12	99.5	3.15	260.3	13	38.5	0.80	116
PCHCCL	28191	0.	0.	2085.	0.	1609.	-550.		30.	186.	10.12	0.11	0.33	169.3	5.37	277.2	11	35.5	0.74	93
PCSTCL	28191	0.	0.	1299.	0.	1227.	-1050.		30.	30.	5.04	0.11	0.12	98.3	3.11	258.2	14	38.3	0.79	117
PCSTCL	28191	0.	0.	2311.	0.	1743.	-336.		30.	241.	11.42	0.11	0.38	190.4	6.03	281.1	11	32.7	0.68	92
IGOTST	28191	0.	0.	1341.	0.	1227.	-1093.		30.	30.	4.34	0.11	0.09	94.1	2.98	239.3	15	37.8	0.78	114
IGOTST	28191	0.	0.	2151.	0.	1546.	-834.		30.	160.	4.89	0.11	0.25	151.4	4.80	240.1	12	34.2	0.71	86
GTSOAR	28191	0.	1350.	0.	0.	-123.	249.		30.	30.	1.86	0.11	0.09	42.8	1.36	108.1	15	46.3	0.96	132
GTSOAR	28191	0.	2577.	0.	0.	-887.	1798.		30.	219.	2.85	0.11	0.26	87.7	2.78	116.2	0	52.9	1.10	98
GTAC08	28191	0.	1303.	0.	0.	-76.	249.		30.	30.	1.81	0.11	0.12	40.8	1.29	106.7	26	44.7	0.93	137
GTAC08	28191	0.	1900.	0.	0.	-379.	1235.		30.	150.	2.06	0.11	0.31	58.9	1.87	105.8	19	42.0	0.87	113
GTAC12	28191	0.	1307.	0.	0.	-80.	249.		30.	30.	1.82	0.11	0.11	41.5	1.31	108.2	24	44.9	0.93	136
GTAC12	28191	0.	2114.	0.	0.	-497.	1551.		30.	189.	2.38	0.11	0.33	70.8	2.24	114.3	14	42.6	0.88	100
GTAC16	28191	0.	1315.	0.	0.	-88.	249.		30.	30.	1.84	0.11	0.11	42.3	1.34	109.9	21	45.2	0.94	135

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SUMMARY OF FUEL SAVED BY TYPE & ECONOMICS

ECS	PROCS	FUEL USE IN BTU*10**6 **COGENERATION CASE** DISTIL	RESIDL	COAL	**NOCOGEN - COGEN** DISTIL	RESIDL	COAL	POWER REQD MW	COGEN POWER MW	O&M	POWER /HEAT RATIO	FESR	CAPITAL COST *10**6	NORM COST	$/KW EQVL	ROI (%)	LEVL CHRG	NORM ENRG	WRTH
GTAC16	28191	0.	2332.	0.	0.	-638.	1813.	30.	221.	2.70	0.11	0.33	82.5	2.61	120.7	10	44.6	0.93	104
GTWC16	28191	0.	1324.	0.	0.	-97.	249.	30.	30.	1.84	0.11	0.10	42.1	1.33	108.5	20	45.5	0.94	135
GTWC16	28191	0.	2416.	0.	0.	-716.	1831.	30.	223.	2.54	0.11	0.32	76.0	2.41	107.3	9	45.9	0.95	104
CC1626	28191	0.	1330.	0.	0.	-103.	249.	30.	30.	1.94	0.11	0.10	41.9	1.33	107.5	18	45.8	0.95	134
CC1626	28191	0.	2949.	0.	0.	-1043.	2521.	30.	307.	3.18	0.11	0.33	91.8	2.91	106.2	5	48.4	1.00	101
CC1622	28191	0.	1323.	0.	0.	-95.	249.	30.	30.	1.93	0.11	0.10	42.0	1.33	108.3	19	45.6	0.95	135
CC1622	28191	0.	2693.	0.	0.	-856.	2258.	30.	275.	3.14	0.11	0.34	94.1	2.98	119.2	6	47.1	0.98	102
CC1222	28191	0.	1321.	0.	0.	-94.	249.	30.	30.	1.92	0.11	0.10	41.3	1.31	106.7	20	45.5	0.94	135
CC1222	28191	0.	2667.	0.	0.	-845.	2239.	30.	273.	3.06	0.11	0.34	88.2	2.79	112.8	8	46.0	0.95	103
CC0822	28191	0.	1310.	0.	0.	-82.	249.	30.	30.	1.92	0.11	0.11	41.1	1.30	107.0	22	45.1	0.94	136
CC0822	28191	0.	2253.	0.	0.	-579.	1747.	30.	213.	2.53	0.11	0.34	69.1	2.19	104.7	14	42.4	0.88	106
DEHTPM	28191	0.	1342.	0.	0.	-115.	249.	30.	30.	2.41	0.11	0.09	59.3	1.88	150.9	4	48.4	1.00	127
DEHTPM	28191	0.	2269.	0.	0.	-677.	1466.	30.	179.	5.05	0.11	0.26	166.7	5.28	250.8	0	61.9	1.28	98
GTSOAD	28191	1318.	0.	0.	-1318.	1227.	249.	30.	30.	1.79	0.11	0.11	40.2	1.27	104.0	0	53.9	1.12	140
GTSOAD	28191	2162.	0.	0.	-2162.	1607.	1519.	30.	185.	2.18	0.11	0.31	62.6	1.98	98.8	0	58.2	1.21	116
GTRA08	28191	1350.	0.	0.	-1350.	1227.	249.	30.	30.	1.95	0.11	0.09	46.9	1.49	118.5	0	55.9	1.16	135
GTRA08	28191	3622.	0.	0.	-3622.	2082.	3111.	30.	379.	4.18	0.11	0.30	137.3	4.35	129.3	0	84.6	1.75	110
GTRA12	28191	1343.	0.	0.	-1343.	1227.	249.	30.	30.	1.88	0.11	0.09	43.8	1.39	111.4	0	55.2	1.14	137
GTRA12	28191	3360.	0.	0.	-3360.	2017.	2894.	30.	353.	3.91	0.11	0.32	127.5	4.04	129.5	0	78.7	1.63	109
GTRA16	28191	1339.	0.	0.	-1339.	1227.	249.	30.	30.	1.90	0.11	0.09	44.6	1.41	113.7	0	55.2	1.14	137
GTRA16	28191	3103.	0.	0.	-3103.	1931.	2606.	30.	317.	3.83	0.11	0.32	125.1	3.96	137.5	0	75.7	1.57	109
GTR208	28191	1336.	0.	0.	-1336.	1227.	249.	30.	30.	1.85	0.11	0.09	42.6	1.35	108.7	0	54.8	1.14	138
GTR208	28191	2660.	0.	0.	-2660.	1765.	2048.	30.	250.	3.02	0.11	0.30	94.1	2.98	120.7	0	68.3	1.42	109
GTR212	28191	1336.	0.	0.	-1336.	1227.	249.	30.	30.	1.86	0.11	0.09	43.1	1.37	110.1	0	54.9	1.14	138
GTR212	28191	2772.	0.	0.	-2772.	1810.	2201.	30.	268.	3.22	0.11	0.31	101.6	3.22	125.1	0	69.8	1.45	109
GTR216	28191	1333.	0.	0.	-1333.	1227.	249.	30.	30.	1.88	0.11	0.10	43.8	1.39	112.1	0	54.9	1.14	138
GTR216	28191	2801.	0.	0.	-2801.	1831.	2271.	30.	277.	3.42	0.11	0.32	109.7	3.48	133.6	0	70.3	1.46	109
GTRW08	28191	1368.	0.	0.	-1368.	1227.	249.	30.	30.	1.95	0.11	0.07	46.7	1.48	116.5	0	56.5	1.17	134
GTRW08	28191	4275.	0.	0.	-4275.	2231.	3610.	30.	440.	4.12	0.11	0.27	132.9	4.21	106.1	0	96.3	2.00	112
GTRW12	28191	1355.	0.	0.	-1355.	1227.	249.	30.	30.	1.95	0.11	0.08	46.7	1.48	117.5	0	56.0	1.16	135
GTRW12	28191	4012.	0.	0.	-4012.	2202.	3514.	30.	428.	4.03	0.11	0.30	130.3	4.13	110.8	0	88.6	1.84	112
GTRW16	28191	1351.	0.	0.	-1351.	1227.	249.	30.	30.	1.96	0.11	0.08	47.2	1.50	119.3	0	56.0	1.16	135
GTRW16	28191	3641.	0.	0.	-3641.	2087.	3128.	30.	381.	3.89	0.11	0.30	125.7	3.98	117.8	0	83.4	1.73	110
GTR308	28191	1378.	0.	0.	-1378.	1227.	249.	30.	30.	1.86	0.11	0.07	42.6	1.35	105.5	0	56.3	1.17	135
GTR308	28191	3544.	0.	0.	-3544.	1943.	2644.	30.	322.	3.34	0.11	0.23	104.0	3.30	100.2	0	80.1	1.83	106
GTR312	28191	1343.	0.	0.	-1343.	1227.	249.	30.	30.	1.85	0.11	0.09	42.5	1.35	108.0	0	55.1	1.14	138
GTR312	28191	3115.	0.	0.	-3115.	1919.	2563.	30.	312.	3.11	0.11	0.31	96.3	3.05	105.5	0	73.3	1.52	110
GTR316	28191	1344.	0.	0.	-1344.	1227.	249.	30.	30.	1.86	0.11	0.09	43.1	1.37	109.5	0	55.2	1.14	137
GTR316	28191	3085.	0.	0.	-3085.	1905.	2517.	30.	307.	3.17	0.11	0.30	98.8	3.13	109.3	0	73.6	1.53	109
FCPADS	28191	1371.	0.	0.	-1371.	1227.	249.	30.	30.	4.74	0.11	0.07	54.8	1.74	136.5	0	60.3	1.25	132
FCPADS	28191	5765.	0.	0.	-5765.	2727.	5271.	30.	642.	66.90	0.11	0.28	339.4	10.76	200.9	0	196.9	4.08	157
FCMCDS	28191	1335.	0.	0.	-1335.	1227.	249.	30.	30.	4.55	0.11	0.10	55.8	1.77	142.7	0	58.9	1.22	134
FCMCDS	28191	4206.	0.	0.	-4206.	2398.	4170.	30.	508.	50.30	0.11	0.36	304.0	9.64	246.7	0	145.2	3.01	141

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SUMMARY OF FUEL SAVED BY TYPE & ECONOMICS

ECS	PROCS	FUEL USE IN BTU*10**6 — **COGENERATION CASE** DISTIL	RESIDL	COAL	**NOCOGEN - COGEN** DISTIL	RESIDL	COAL		POWER REQD MW	COGEN POWER MW	O&M	POWER /HEAT RATIO	FESR	CAPITAL COST *10**6	NORM COST	$/KW EQVL	ROI (%)	LEVL CHRG	NORM ENRG	WRTH
ONOCGN	28192	0.	2456.	497.	0.	0.	0.		61.	0.	2.08	0.11	0.	58.7	1.00	86.8	0	95.5	1.00	80
STM141	28192	0.	2550.	0.	0.	-95.	497.		61.	61.	2.59	0.11	0.14	60.9	1.04	81.5	140	84.7	0.89	143
STM141	28192	0.	2584.	0.	0.	-108.	567.		61.	69.	2.28	0.11	0.15	60.0	1.02	79.2	199	83.7	0.88	134
STM141	28192	0.	0.	2550.	0.	2456.	-2053.	F	61.	61.	6.46	0.11	0.14	125.7	2.14	168.2	30	63.9	0.67	122
STM141	28192	0.	0.	2584.	0.	2476.	-2017.	F	61.	69.	6.10	0.11	0.15	128.5	2.19	169.7	29	62.8	0.66	112
STM141	28192	0.	0.	2550.	0.	2456.	-2053.	A	61.	61.	6.21	0.11	0.14	96.0	1.64	128.4	50	60.4	0.63	126
STM141	28192	0.	0.	2584.	0.	2476.	-2017.	A	61.	69.	5.78	0.11	0.15	92.2	1.57	121.8	56	58.6	0.61	118
STM088	28192	0.	2518.	170.	0.	-62.	328.		61.	40.	2.12	0.11	0.09	54.0	0.92	74.8	999	87.5	0.92	129
STM088	28192	0.	51.	2637.	0.	2405.	-2140.	F	61.	40.	5.66	0.11	0.09	120.1	2.05	166.1	29	67.5	0.71	106
STM088	28192	0.	51.	2637.	0.	2405.	-2140.	A	61.	40.	5.58	0.11	0.09	89.0	1.52	123.1	53	64.1	0.67	111
PFBSTM	28192	0.	0.	2567.	0.	2456.	-2069.		61.	61.	8.09	0.11	0.13	115.6	1.97	153.8	32	64.7	0.68	123
PFBSTM	28192	0.	0.	2906.	0.	2650.	-1758.		61.	140.	10.37	0.11	0.23	117.2	2.00	137.7	37	58.1	0.61	115
TISTMT	28192	0.	2558.	0.	0.	-103.	497.		61.	61.	5.15	0.11	0.13	159.1	2.71	212.2	2	96.1	1.03	127
TISTMT	28192	0.	3124.	0.	0.	-334.	1619.		61.	197.	9.84	0.11	0.29	354.3	6.04	387.0	0	115.0	1.20	114
TISTMT	28192	0.	0.	2558.	0.	2456.	-2061.		61.	61.	8.99	0.11	0.13	227.1	3.87	303.0	12	77.5	0.81	116
TISTMT	28192	0.	0.	3124.	0.	2791.	-1505.		61.	197.	14.34	0.11	0.29	447.9	7.63	489.2	6	90.6	0.95	106
TIHRSG	28192	0.	2748.	0.	0.	-292.	497.		61.	61.	5.88	0.11	0.07	193.4	3.30	240.2	0	107.6	1.13	118
TIHR3G	28192	0.	3296.	0.	0.	-655.	1116.		61.	136.	9.71	0.11	0.12	359.6	6.13	372.3	0	131.1	1.37	105
TIHRSG	28192	0.	0.	2748.	0.	2456.	-2250.		61.	61.	9.94	0.11	0.07	262.8	4.48	326.4	8	85.6	0.90	108
TIHRSG	28192	0.	0.	3296.	0.	2640.	-2180.		61.	135.	14.58	0.11	0.12	457.0	7.79	473.2	2	106.5	1.11	97
STIRL	28192	2686.	0.	0.	-2686.	2456.	497.		61.	61.	3.62	0.11	0.09	100.1	1.71	127.1	0	111.6	1.17	133
STIRL	28192	3836.	0.	0.	-3836.	2906.	2005.		61.	244.	5.71	0.11	0.22	191.9	3.27	170.7	0	130.6	1.37	110
STIRL	28192	0.	2686.	0.	0.	-231.	497.		61.	61.	3.62	0.11	0.09	100.1	1.71	127.2	8	93.7	0.98	128
STIRL	28192	0.	3836.	0.	0.	-930.	2005.		61.	244.	5.72	0.11	0.22	192.1	3.28	170.9	0	105.0	1.10	103
STIRL	28192	0.	0.	2686.	0.	2456.	-2189.		61.	61.	7.78	0.11	0.09	176.1	3.00	223.7	17	72.5	0.76	113
STIRL	28192	0.	0.	3836.	0.	2906.	-1831.		61.	244.	12.33	0.11	0.22	344.6	5.87	306.5	9	80.1	0.84	90
HEGTGO	28192	0.	0.	2972.	0.	2456.	-2474.	A	61.	61.	8.21	0.11	-0.01	187.0	3.19	214.8	13	79.5	0.83	102
HEGTGO	28192	0.	0.	13809.	0.	4878.	-5203.	A	61.	1048.	40.06	0.11	-0.02	1017.5	17.34	251.4	0	201.9	2.11	68
HEGTOO	28192	0.	0.	2843.	0.	2456.	-2345.	A	61.	61.	7.77	0.11	0.04	167.6	2.86	201.2	16	74.8	0.78	108
HEGTOO	28192	0.	0.	4244.	0.	2044.	-2447.	A	61.	219.	10.80	0.11	0.09	234.2	3.99	188.3	11	79.3	0.83	80
FCMCCL	28192	0.	0.	2611.	0.	2456.	-2114.		61.	61.	8.62	0.11	0.12	172.6	2.94	225.5	16	72.6	0.76	116
FCMCCL	28192	0.	0.	4172.	0.	3219.	-1120.		61.	372.	18.31	0.11	0.33	283.0	4.82	231.5	14	62.9	0.66	92
FCSTCL	28192	0.	0.	2599.	0.	2456.	-2101.		61.	61.	8.49	0.11	0.12	170.7	2.91	224.1	17	72.1	0.75	117
FCSTCL	28192	0.	0.	4625.	0.	3487.	-673.		61.	481.	20.58	0.11	0.38	318.2	5.42	234.8	14	56.3	0.59	91
IGGTST	28192	0.	0.	2604.	0.	2456.	-2187.		61.	61.	6.91	0.11	0.09	160.6	2.74	204.2	19	70.8	0.74	114
IGGTST	28192	0.	0.	4304.	0.	3094.	-1669.		61.	321.	8.34	0.11	0.25	279.1	4.76	221.3	14	64.3	0.67	85
GTSOAR	28192	0.	2701.	0.	0.	-245.	497.		61.	61.	2.98	0.11	0.09	79.2	1.35	100.1	18	91.3	0.96	132
GTSOAR	28192	0.	5157.	0.	0.	-1775.	3599.		61.	438.	4.78	0.11	0.26	157.5	2.69	104.2	0	103.1	1.08	99
GTAC08	28192	0.	2600.	0.	0.	-153.	497.		61.	61.	2.89	0.11	0.12	75.6	1.29	99.0	29	88.1	0.92	137
GTAC08	28192	0.	3803.	0.	0.	-758.	2471.		61.	301.	3.50	0.11	0.31	109.6	1.87	98.3	20	82.5	0.86	113
GTAC12	28192	0.	2615.	0.	0.	-159.	497.		61.	61.	2.93	0.11	0.11	77.4	1.32	101.0	26	88.5	0.93	135
GTAC12	28192	0.	4229.	0.	0.	-995.	3104.		61.	378.	4.10	0.11	0.33	132.6	2.26	107.0	15	83.6	0.88	108
GTAC16	28192	0.	2631.	0.	0.	-175.	497.		61.	61.	2.97	0.11	0.11	79.1	1.35	102.6	23	89.2	0.93	135

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		FUEL USE IN BTU*10**6																
		COGENERATION CASE			**NOCOGEN - COGEN**			POWER	COGEN				CAPITAL	NORM	$/KW	ROI	LEVL	NORM	WRTH
ECS	PROCS	DISTIL	RESIDL	COAL	DISTIL	RESIDL	COAL	REQD MW	POWER MW	O&M	POWER /HEAT RATIO	FESR	COST *10**6	COST	EQVL	(%)	CHRG	ENRG	
GTAC16	28192	0.	4667.	0.	0.	-1276.	3627.	61.	442.	4.80	0.11	0.33	159.4	2.72	116.6	10	88.1	0.92	104
GTWC16	28192	0.	2650.	0.	0.	-194.	497.	61.	61.	2.94	0.11	0.10	77.8	1.33	100.1	23	89.6	0.94	135
GTWC16	28192	0.	4835.	0.	0.	-1433.	3664.	61.	446.	4.33	0.11	0.32	140.0	2.39	98.8	10	89.7	0.94	104
CC1626	28192	0.	2661.	0.	0.	-206.	497.	61.	61.	3.05	0.11	0.10	77.6	1.32	99.5	20	90.2	0.94	134
CC1626	28192	0.	5900.	0.	0.	-2087.	5044.	61.	614.	5.31	0.11	0.33	166.5	2.84	96.3	6	93.9	0.98	101
CC1622	28192	0.	2646.	0.	0.	-191.	497.	61.	61.	3.06	0.11	0.10	78.5	1.34	101.2	20	89.9	0.94	135
CC1622	28192	0.	5389.	0.	0.	-1732.	4517.	61.	550.	5.23	0.11	0.34	170.1	2.90	107.7	8	91.1	0.95	102
CC1222	28192	0.	2643.	0.	0.	-188.	497.	61.	61.	3.04	0.11	0.10	77.3	1.32	99.8	22	89.6	0.94	135
CC1222	28192	0.	5336.	0.	0.	-1691.	4480.	61.	546.	5.05	0.11	0.34	157.8	2.69	100.9	10	88.9	0.93	103
CC0822	28192	0.	2620.	0.	0.	-165.	497.	61.	61.	3.02	0.11	0.11	76.2	1.30	99.3	25	88.8	0.93	136
CC0822	28192	0.	4509.	0.	0.	-1158.	3495.	61.	426.	4.27	0.11	0.34	129.4	2.21	97.9	16	83.1	0.87	107
DEHTPM	28192	0.	2685.	0.	0.	-229.	497.	61.	61.	4.06	0.11	0.09	115.4	1.97	146.6	5	95.7	1.00	126
DEHTPM	28192	0.	4540.	0.	0.	-1355.	2938.	61.	358.	9.35	0.11	0.26	328.7	5.60	247.1	0	122.5	1.28	98
GTSOAD	28192	2637.	0.	0.	-2637.	2456.	497.	61.	61.	2.87	0.11	0.11	74.9	1.28	96.9	0	106.5	1.11	140
GTSOAD	28192	4327.	0.	0.	-4327.	3215.	3040.	61.	370.	3.79	0.11	0.31	119.8	2.04	94.5	0	115.2	1.21	115
GTRA08	28192	2702.	0.	0.	-2702.	2456.	497.	61.	61.	3.09	0.11	0.09	84.3	1.44	106.5	0	110.0	1.15	136
GTRA08	28192	7248.	0.	0.	-7248.	4167.	6226.	61.	758.	7.19	0.11	0.30	249.4	4.25	117.4	0	165.4	1.73	109
GTRA12	28192	2686.	0.	0.	-2686.	2456.	497.	61.	61.	3.02	0.11	0.09	81.5	1.39	103.6	0	109.1	1.14	137
GTRA12	28192	6723.	0.	0.	-6723.	4037.	5791.	61.	705.	6.78	0.11	0.32	234.0	3.99	118.8	0	154.2	1.61	109
GTRA16	28192	2679.	0.	0.	-2679.	2456.	497.	61.	61.	3.06	0.11	0.09	82.8	1.41	105.4	0	109.0	1.14	137
GTRA16	28192	6209.	0.	0.	-6209.	3864.	5214.	61.	635.	6.51	0.11	0.32	224.0	3.82	123.1	0	147.5	1.54	108
GTR208	28192	2673.	0.	0.	-2673.	2456.	497.	61.	61.	2.97	0.11	0.09	79.1	1.35	101.0	0	108.3	1.13	138
GTR208	28192	5323.	0.	0.	-5323.	3531.	4099.	61.	499.	5.10	0.11	0.30	169.7	2.89	108.8	0	133.7	1.40	109
GTR212	28192	2673.	0.	0.	-2673.	2456.	497.	61.	61.	2.99	0.11	0.09	80.0	1.36	102.2	0	108.4	1.13	138
GTR212	28192	5546.	0.	0.	-5546.	3623.	4404.	61.	536.	5.39	0.11	0.31	180.7	3.08	111.2	0	136.3	1.43	109
GTR216	28192	2668.	0.	0.	-2668.	2456.	497.	61.	61.	3.02	0.11	0.10	81.4	1.39	104.1	0	108.4	1.13	138
GTR216	28192	5605.	0.	0.	-5605.	3665.	4545.	61.	554.	5.78	0.11	0.32	196.2	3.34	119.5	0	137.2	1.44	109
GTRW08	28192	2737.	0.	0.	-2737.	2456.	497.	61.	61.	3.00	0.11	0.07	83.5	1.42	104.1	0	111.2	1.16	135
GTRW08	28192	8554.	0.	0.	-8554.	4465.	7224.	61.	880.	7.06	0.11	0.27	241.9	4.12	96.5	0	169.0	1.90	111
GTRW12	28192	2712.	0.	0.	-2712.	2456.	497.	61.	61.	3.07	0.11	0.08	83.5	1.42	105.0	0	110.3	1.15	136
GTRW12	28192	8027.	0.	0.	-8027.	4407.	7031.	61.	856.	6.72	0.11	0.30	229.0	3.90	97.3	0	172.6	1.81	112
GTRW16	28192	2703.	0.	0.	-2703.	2456.	497.	61.	61.	3.09	0.11	0.08	84.3	1.44	106.4	0	110.1	1.15	136
GTRW16	28192	7286.	0.	0.	-7286.	4177.	6259.	61.	762.	6.48	0.11	0.30	220.7	3.76	103.3	0	162.3	1.70	110
GTR308	28192	2757.	0.	0.	-2757.	2456.	497.	61.	61.	2.98	0.11	0.07	78.9	1.34	97.7	0	111.3	1.17	135
GTR308	28192	7092.	0.	0.	-7092.	3887.	5290.	61.	644.	5.46	0.11	0.23	180.5	3.08	86.8	0	172.1	1.80	107
GTR312	28192	2688.	0.	0.	-2688.	2456.	497.	61.	61.	2.95	0.11	0.09	78.6	1.34	99.8	0	108.8	1.14	138
GTR312	28192	6233.	0.	0.	-6233.	3839.	5129.	61.	625.	5.23	0.11	0.31	173.0	2.95	94.7	0	143.6	1.50	110
GTR316	28192	2689.	0.	0.	-2689.	2456.	497.	61.	61.	2.98	0.11	0.09	79.6	1.36	101.0	0	108.9	1.14	137
GTR316	28192	6173.	0.	0.	-6173.	3811.	5036.	61.	613.	5.36	0.11	0.30	178.2	3.04	98.5	0	144.3	1.51	109
FCPADS	28192	2742.	0.	0.	-2742.	2456.	497.	61.	61.	8.84	0.11	0.07	103.0	1.76	128.2	0	119.2	1.25	132
FCPADS	28192	11535.	0.	0.	-11535.	5458.	10548.	61.	1285.	133.06	0.11	0.28	659.3	11.24	195.0	0	391.2	4.09	157
FCMCDS	28192	2671.	0.	0.	-2671.	2456.	497.	61.	61.	8.47	0.11	0.10	105.2	1.79	134.4	0	116.5	1.22	134
FCMCDS	28192	8416.	0.	0.	-8416.	4799.	8344.	61.	1016.	99.62	0.11	0.36	578.8	9.87	234.7	0	286.5	3.00	141

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ECS	PROCS	FUEL USE IN BTU*10**6: COGENERATION CASE DISTIL	COGENERATION CASE RESIDL	COGENERATION CASE COAL	NOCOGEN - COGEN DISTIL	NOCOGEN - COGEN RESIDL	NOCOGEN - COGEN COAL	POWER REQD MW	COGEN POWER MW	O&M	POWER /HEAT RATIO	FESR	CAPITAL COST *10**6	NORM COST	$/KW EQVL	ROI (%)	LEVL CHRG	NORM ENRG	WRTH
ONOCGN	28212	0.	253.	33.	0.	0.	0.	4.	0.	0.46	0.07	0.	6.2	1.00	87.5	0	9.7	1.00	80
STM141	28212	0.	260.	0.	0.	-6.	33.	4.	4.	0.80	0.07	0.09	9.7	1.56	128.0	6	9.7	0.99	131
STM141	28212	0.	286.	0.	0.	-17.	87.	4.	11.	0.65	0.07	0.20	9.8	1.58	117.4	16	9.1	0.93	120
STM141	28212	0.	0.	260.	0.	253.	-227. F	4.	4.	1.58	0.07	0.09	21.7	3.47	285.0	10	8.5	0.87	114
STM141	28212	0.	0.	286.	0.	270.	-199. F	4.	11.	1.30	0.07	0.20	20.1	3.22	239.6	16	7.2	0.74	103
STM141	28212	0.	0.	260.	0.	253.	-227. A	4.	4.	1.48	0.07	0.09	19.7	3.15	258.4	12	8.2	0.84	114
STM141	28212	0.	0.	286.	0.	270.	-199. A	4.	11.	1.16	0.07	0.20	14.9	2.38	177.6	25	6.5	0.67	106
STM088	28212	0.	260.	0.	0.	-6.	33.	4.	4.	0.80	0.07	0.09	9.4	1.51	123.9	7	9.7	0.99	132
STM088	28212	0.	273.	0.	0.	-11.	60.	4.	7.	0.62	0.07	0.15	8.7	1.40	109.1	18	9.2	0.94	125
STM088	28212	0.	0.	260.	0.	253.	-227. F	4.	4.	1.57	0.07	0.09	21.4	3.42	280.8	11	8.4	0.86	114
STM088	28212	0.	0.	273.	0.	261.	-213. F	4.	7.	1.23	0.07	0.15	18.5	2.96	231.4	16	7.4	0.78	106
STM088	28212	0.	0.	260.	0.	253.	-227. A	4.	4.	1.48	0.07	0.09	18.9	3.02	248.2	13	8.1	0.83	115
STM088	28212	0.	0.	273.	0.	261.	-213. A	4.	7.	1.12	0.07	0.15	14.0	2.25	175.4	25	6.8	0.70	109
PFBSTM	28212	0.	0.	260.	0.	253.	-227.	4.	4.	1.60	0.07	0.09	21.9	3.51	287.1	10	8.5	0.88	114
PFBSTM	28212	0.	0.	320.	0.	288.	-170.	4.	18.	1.86	0.07	0.27	24.6	3.94	262.5	13	7.4	0.76	96
TISTMT	28212	0.	260.	0.	0.	-7.	33.	4.	4.	1.03	0.07	0.09	13.7	3.16	258.8	0	11.0	1.13	121
TISTMT	28212	0.	346.	0.	0.	-42.	204.	4.	25.	1.89	0.07	0.32	57.8	9.26	570.2	0	14.6	1.50	106
TISTMT	28212	0.	0.	260.	0.	253.	-227.	4.	4.	1.79	0.07	0.09	32.1	5.15	421.9	5	9.8	1.01	112
TISTMT	28212	0.	0.	346.	0.	304.	-142.	4.	25.	2.69	0.07	0.32	73.5	11.76	724.4	0	12.7	1.30	99
TIHRSG	28212	0.	269.	0.	0.	-16.	33.	4.	4.	1.11	0.07	0.06	25.6	4.10	324.5	0	1'.9	1.22	116
TIHRSG	28212	0.	331.	0.	0.	-54.	112.	4.	14.	1.65	0.07	0.15	53.3	8.53	549.5	0	15.4	1.58	102
TIHRSG	28212	0.	0.	269.	0.	253.	-236.	4.	4.	1.92	0.07	0.06	39.2	6.28	497.1	2	10.9	1.12	109
TIHRSG	28212	0.	0.	331.	0.	277.	-219.	4.	14.	2.43	0.07	0.15	66.4	10.95	705.6	0	13.8	1.41	96
STIRL	28212	268.	0.	0.	-268.	253.	33.	4.	4.	0.75	0.07	0.06	10.4	1.67	132.9	0	11.8	1.21	131
STIRL	28212	422.	0.	0.	-422.	316.	241.	4.	29.	0.98	0.07	0.24	22.8	3.65	184.8	0	14.1	1.45	101
STIRL	28212	0.	268.	0.	0.	-14.	33.	4.	4.	0.75	0.07	0.06	10.4	1.67	132.9	0	9.9	1.02	127
STIRL	28212	0.	422.	0.	0.	-106.	241.	4.	29.	0.98	0.07	0.24	22.9	3.66	185.0	0	11.3	1.15	93
STIRL	28212	0.	0.	268.	0.	253.	-235.	4.	4.	1.47	0.07	0.06	21.6	3.45	275.0	11	8.4	0.87	110
STIRL	28212	0.	0.	422.	0.	316.	-180.	4.	29.	1.90	0.07	0.24	40.5	6.48	327.7	7	8.7	0.89	81
HEGT60	28212	0.	0.	282.	0.	253.	-249. A	4.	4.	1.53	0.07	0.02	27.3	4.37	330.5	6	9.4	0.97	104
HEGT60	28212	0.	0.	890.	0.	409.	-335. A	4.	68.	3.81	0.07	0.08	97.8	15.65	374.8	0	17.8	1.83	74
HEGT00	28212	9.	0.	278.	0.	253.	-245. A	4.	4.	1.52	0.07	0.03	26.5	4.25	326.2	7	9.3	0.95	105
HEGT00	28212	0.	0.	435.	0.	299.	-251. A	4.	22.	1.97	0.07	0.10	46.6	7.46	365.6	2	11.1	1.14	73
FCMCCL	28212	0.	0.	263.	0.	253.	-231.	4.	4.	1.60	0.07	0.08	27.1	4.33	350.3	7	9.2	0.95	111
FCMCCL	28212	0.	0.	439.	0.	339.	-118.	4.	39.	2.90	0.07	0.34	54.4	8.71	423.4	5	9.9	1.02	90
FCSTCL	28212	0.	0.	263.	0.	253.	-230.	4.	4.	1.63	0.07	0.08	26.5	4.25	344.7	7	9.2	0.94	112
FCSTCL	28212	0.	0.	511.	0.	381.	-51.	4.	56.	3.48	0.07	0.39	64.1	10.26	427.8	5	9.6	0.96	94
IGGTST	28212	0.	0.	268.	0.	253.	-235.	4.	4.	1.62	0.07	0.06	26.3	4.22	335.7	7	9.2	0.95	110
IGGTST	28212	0.	0.	476.	0.	338.	-161.	4.	38.	1.97	0.07	0.27	50.6	8.10	362.5	6	9.3	0.96	81
GTSOAR	28212	0.	268.	0.	0.	-15.	33.	4.	4.	0.70	0.07	0.06	10.0	1.61	127.9	2	9.9	1.01	127
GTSOAR	28212	0.	510.	0.	0.	-160.	356.	4.	43.	0.87	0.07	0.28	20.1	3.21	134.4	0	10.8	1.11	95
GTAC08	28212	0.	263.	0.	0.	-10.	33.	4.	4.	0.69	0.07	0.08	9.6	1.53	123.9	7	9.6	0.99	130
GTAC08	28212	0.	401.	0.	0.	-80.	261.	4.	32.	0.72	0.07	0.31	15.1	2.42	128.3	10	9.1	0.93	102

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		----------FUEL USE IN BTU*10**6----------																
		COGENERATION CASE			**NOCOGEN -		COGEN**	POWER	COGEN	O&M	POWER	FESR	CAPITAL	NORM	$/KW	ROI	LEVL	NORM WRTH
ECS	PROCS	DISTIL	RESIDL	COAL	DISTIL	RESIDL	COAL	REQD MW	POWER MW		/HEAT RATIO		COST *10**6	COST	EQVL	(%)	CHRG	ENRG
GTAC12	20212	0.	264.	0.	0.	-11.	33.	4.	4.	0.68	0.07	0.08	9.5	1.52	123.1	7	9.7	0.99 130
GTAC12	20212	0.	447.	0.	0.	-106.	328.	4.	40.	0.80	0.07	0.33	17.8	2.86	136.1	8	9.3	0.95 100
GTAC16	20212	0.	265.	0.	0.	-11.	33.	4.	4.	0.68	0.07	0.08	9.6	1.54	124.4	6	9.7	0.99 129
GTAC16	20212	0.	486.	0.	0.	-129.	377.	4.	46.	0.87	0.07	0.34	20.5	3.28	144.2	5	9.7	0.99 99
GTWC16	20212	0.	266.	0.	0.	-13.	33.	4.	4.	0.69	0.07	0.07	9.9	1.59	127.2	4	9.8	1.00 128
GTWC16	20212	0.	511.	0.	0.	-152.	387.	4.	47.	0.87	0.07	0.32	20.1	3.21	134.0	2	10.1	1.04 98
CC1626	20212	0.	267.	0.	0.	-13.	33.	4.	4.	0.76	0.07	0.07	9.8	1.57	125.1	2	9.9	1.01 128
CC1626	20212	0.	653.	0.	0.	-236.	583.	4.	71.	1.19	0.07	0.35	26.1	4.19	136.6	0	10.9	1.12 99
CC1622	20212	0.	266.	0.	0.	-12.	33.	4.	4.	0.75	0.07	0.07	9.6	1.53	122.8	3	9.8	1.01 129
CC1622	20212	0.	596.	0.	0.	-196.	523.	4.	64.	1.14	0.07	0.35	25.5	4.08	146.0	1	10.4	1.07 100
CC1222	20212	0.	265.	0.	0.	-12.	33.	4.	4.	0.75	0.07	0.07	9.4	1.51	120.9	4	9.8	1.00 130
CC1222	20212	0.	591.	0.	0.	-192.	520.	4.	63.	1.12	0.07	0.36	24.2	3.87	139.7	3	10.2	1.05 100
CC0022	20212	0.	264.	0.	0.	-11.	33.	4.	4.	0.76	0.07	0.08	9.6	1.54	124.0	4	9.8	1.00 130
CC0822	20212	0.	499.	0.	0.	-133.	411.	4.	50.	1.00	0.07	0.36	20.3	3.25	138.8	7	9.4	0.97 101
STIG15	20212	0.	279.	0.	0.	-25.	33.	4.	4.	0.72	0.07	0.03	9.7	1.56	118.9	0	10.2	1.04 124
STIG15	20212	0.	15923.	0.	0.	-11319.	14598.	4.	1778.	27.14	0.07	0.17	442.5	70.83	94.8	0	214.6	22.01 587
STIG10	20212	0.	276.	0.	0.	-22.	33.	4.	4.	0.70	0.07	0.04	9.5	1.52	117.7	0	10.0	1.03 125
STIG10	20212	0.	1562.	0.	0.	-916.	1350.	4.	164.	2.69	0.07	0.22	46.8	7.82	106.7	0	24.3	2.49 112
STIG1S	20212	0.	274.	0.	0.	-21.	33.	4.	4.	0.70	0.07	0.04	9.4	1.51	117.5	0	10.0	1.02 126
STIG1S	20212	0.	982.	0.	0.	-502.	792.	4.	96.	1.79	0.07	0.23	29.7	4.75	103.1	0	16.8	1.73 98
DEADV3	20212	0.	272.	0.	0.	-19.	33.	4.	4.	0.78	0.07	0.05	12.3	1.96	153.7	0	10.3	1.06 122
DEADV3	20212	0.	1142.	0.	0.	-594.	1019.	4.	124.	2.64	0.07	0.27	82.1	13.14	245.3	0	22.8	2.33 112
DEHTPM	20212	0.	266.	0.	0.	-12.	33.	4.	4.	0.82	0.07	0.07	12.7	2.03	162.8	0	10.2	1.05 124
DEHTPM	20212	0.	484.	0.	0.	-135.	354.	4.	43.	1.42	0.07	0.31	36.7	5.88	259.1	0	12.4	1.27 96
DESOA3	20212	275.	0.	0.	-275.	253.	33.	4.	4.	0.75	0.07	0.04	11.3	1.81	140.8	0	12.1	1.24 127
DESOA3	20212	1405.	0.	0.	-1405.	608.	1221.	4.	149.	3.66	0.07	0.23	121.1	19.39	294.2	0	40.7	4.18 151
DESOA3	20212	0.	275.	0.	0.	-21.	33.	4.	4.	0.75	0.07	0.04	11.3	1.81	140.8	0	10.2	1.05 123
DESOA3	20212	0.	1405.	0.	0.	-797.	1221.	4.	149.	3.66	0.07	0.23	121.1	19.39	294.2	0	31.2	3.20 127
GTSOAD	20212	265.	0.	0.	-265.	253.	33.	4.	4.	0.68	0.07	0.07	9.4	1.50	120.3	0	11.5	1.18 134
GTSOAD	20212	454.	0.	0.	-454.	339.	319.	4.	39.	0.75	0.07	0.31	15.9	2.55	119.8	0	12.6	1.29 108
GTRA08	20212	268.	0.	0.	-268.	253.	33.	4.	4.	0.69	0.07	0.06	10.2	1.63	129.5	0	11.7	1.20 132
GTRA08	20212	667.	0.	0.	-667.	415.	573.	4.	70.	1.16	0.07	0.32	30.0	4.81	153.6	0	16.4	1.68 109
GTRA12	20212	267.	0.	0.	-267.	253.	33.	4.	4.	0.69	0.07	0.07	10.1	1.62	129.0	0	11.6	1.19 132
GTRA12	20212	638.	0.	0.	-638.	408.	549.	4.	67.	1.10	0.07	0.33	28.1	4.50	150.4	0	15.6	1.60 109
GTRA16	20212	267.	0.	0.	-267.	253.	33.	4.	4.	0.70	0.07	0.07	10.3	1.65	131.7	0	11.7	1.20 132
GTRA16	20212	602.	0.	0.	-602.	395.	506.	4.	62.	1.09	0.07	0.33	28.0	4.46	158.7	0	15.3	1.57 108
GTR208	20212	267.	0.	0.	-267.	253.	33.	4.	4.	0.69	0.07	0.07	9.9	1.58	126.7	0	11.6	1.19 133
GTR208	20212	533.	0.	0.	-533.	366.	411.	4.	50.	0.91	0.07	0.31	21.6	3.45	138.0	0	14.1	1.45 106
GTR212	20212	267.	0.	0.	-267.	253.	33.	4.	4.	0.69	0.07	0.07	10.0	1.60	128.1	0	11.6	1.19 132
GTR212	20212	555.	0.	0.	-555.	375.	441.	4.	54.	0.96	0.07	0.32	23.3	3.73	143.3	0	14.4	1.48 107
GTR216	20212	266.	0.	0.	-266.	253.	33.	4.	4.	0.69	0.07	0.07	10.1	1.62	129.3	0	11.6	1.19 132
GTR216	20212	558.	0.	0.	-558.	379.	453.	4.	55.	1.00	0.07	0.33	24.9	3.99	152.2	0	14.5	1.49 107
GTRW08	20212	271.	0.	0.	-271.	253.	33.	4.	4.	0.70	0.07	0.05	10.2	1.64	129.2	0	11.8	1.21 131
GTRW08	20212	801.	0.	0.	-801.	446.	677.	4.	82.	1.18	0.07	0.29	29.9	4.79	127.4	0	19.0	1.95 111

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TCS	PROCS	FUEL USE IN BTU*10**6 **COGENERATION CASE** DISTIL	RESIDL	COAL	**NOCOGEN - COGEN** DISTIL	RESIDL	COAL	POWER REQD MW	COGEN POWER MW	O&M	POWER /HEAT RATIO	FESR	CAPITAL COST *10**6	NORM COST	$/KW EQVL	ROI (%)	LEVL CHRG	NORM ENRG	WRTH
GTRW12	28212	269.	0.	0.	-269.	253.	33.	4.	4.	0.70	0.07	0.06	10.2	1.64	129.8	0	11.7	1.20	131
GTRW12	28212	773.	0.	0.	-773.	446.	677.	4.	82.	1.17	0.07	0.31	29.8	4.78	131.7	0	17.9	1.84	111
GTRW16	28212	269.	0.	0.	-269.	253.	33.	4.	4.	0.70	0.07	0.06	10.4	1.67	132.1	0	11.7	1.21	131
GTRW16	28212	719.	0.	0.	-719.	428.	618.	4.	75.	1.15	0.07	0.31	29.3	4.68	138.8	0	17.2	1.76	110
GTR308	28212	272.	0.	0.	-272.	253.	33.	4.	4.	0.69	0.07	0.05	9.9	1.59	124.8	0	11.8	1.21	131
GTR308	28212	687.	0.	0.	-687.	396.	512.	4.	62.	1.02	0.07	0.24	24.3	3.90	121.0	0	17.8	1.83	105
GTR312	28212	268.	0.	0.	-268.	253.	33.	4.	4.	0.69	0.07	0.06	10.0	1.61	127.8	0	11.7	1.20	132
GTR312	28212	639.	0.	0.	-639.	401.	526.	4.	64.	1.01	0.07	0.31	24.4	3.90	130.2	0	15.7	1.61	103
GTR316	28212	268.	0.	0.	-268.	253.	33.	4.	4.	0.70	0.07	0.06	10.2	1.64	130.0	0	11.7	1.20	131
GTR316	28212	634.	0.	0.	-634.	398.	517.	4.	63.	1.03	0.07	0.31	25.2	4.03	135.4	0	15.8	1.62	108
FCPADS	28212	272.	0.	0.	-272.	253.	33.	4.	4.	1.00	0.07	0.05	10.5	1.68	131.8	0	12.2	1.25	130
FCPADS	28212	1218.	0.	0.	-1218.	576.	1113.	4.	136.	14.73	0.07	0.28	79.4	12.71	222.5	0	43.0	4.41	164
FCMCDS	28212	268.	0.	0.	-268.	253.	33.	4.	4.	0.97	0.07	0.07	10.7	1.71	136.3	0	12.0	1.23	132
FCMCDS	28212	888.	0.	0.	-888.	507.	881.	4.	107.	11.05	0.07	0.36	68.2	10.91	261.8	0	31.3	3.21	145

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ECS	PROCS	FUEL USE IN BTU*10**6 DISTIL	RESIDL	COAL	DISTIL	RESIDL	COGEN COAL		POWER REQD MW	COGEN POWER MW	O&M	POWER /HEAT RATIO	FESR	CAPITAL COST *10**6	NORM COST	$/KW EQVL	ROI (%)	LEVL CHRG	NORM ENRG	WRTH
		COGENERATION CASE			**NOCOGEN - COGEN**															
ONOCGN	28213	0.	154.	452.	0.	0.	0.		55.	0.	0.16	11.73	0.	1.2	1.00	219.6	0	17.6	1.00	80
STM141	28213	0.	154.	447.	0.	-1.	4.		55.	1.	0.23	11.73	0.01	1.9	1.53	304.1	0	17.6	1.00	77
STM141	28213	0.	134.	468.	0.	20.	-17.	F	55.	1.	0.37	11.73	0.01	3.2	2.68	530.4	1	17.6	1.00	66
STM141	28213	0.	134.	468.	0.	20.	-17.	A	55.	1.	0.32	11.73	0.01	3.0	2.50	495.0	4	17.6	1.00	67
STM[illegible]	28213	0.	154.	449.	0.	-0.	2.		55.	0.	0.22	11.73	0.00	1.6	1.28	266.1	0	17.6	1.00	79
STM088	28213	0.	134.	469.	0.	19.	-18.	F	55.	0.	0.36	11.73	0.00	2.9	2.43	503.8	0	17.6	1.01	66
STM088	28213	0.	134.	469.	0.	19.	-18.	A	55.	0.	0.32	11.73	0.00	2.8	2.34	484.6	3	17.6	1.00	67
PFBSTM	28213	0.	132.	466.	0.	21.	-15.		55.	1.	0.40	11.73	0.01	4.6	3.78	664.5	1	17.7	1.01	65
TISTMT	28213	0.	156.	439.	0.	-3.	13.		55.	2.	0.41	11.73	0.02	8.4	6.90	1130.4	0	18.3	1.04	62
TISTMT	28213	0.	131.	464.	0.	23.	-13.		55.	2.	0.57	11.73	0.02	10.7	8.82	1445.6	0	18.4	1.05	60
TIHRSG	28213	0.	158.	443.	0.	-5.	9.		55.	1.	0.33	11.73	0.01	8.2	6.75	1073.4	0	18.3	1.04	59
TIHRSG	28213	0.	132.	469.	0.	21.	-17.		55.	1.	0.49	11.73	0.01	10.6	8.72	1386.0	0	18.5	1.05	58
STIRL	28213	32.	130.	434.	-32.	24.	18.		55.	2.	0.21	11.73	0.02	2.0	1.66	213.2	0	17.6	1.00	83
STIRL	28213	0.	162.	434.	0.	-8.	18.		55.	2.	0.21	11.73	0.02	2.0	1.66	213.5	16	17.4	0.99	83
STIRL	28213	0.	130.	466.	0.	24.	-14.		55.	2.	0.36	11.73	0.02	3.9	3.21	413.3	10	17.4	0.99	71
HEGTGO	28213	0.	120.	481.	0.	34.	-30.	A	55.	6.	0.73	11.73	0.01	17.8	14.69	767.0	0	18.9	1.07	67
HEGTOO	28213	0.	131.	471.	0.	23.	-20.	A	55.	2.	0.38	11.73	0.01	7.7	6.38	775.3	0	18.0	1.02	62
FCMCCL	28213	0.	127.	461.	0.	26.	-9.		55.	3.	0.49	11.73	0.03	8.9	7.35	895.0	1	17.8	1.02	66
FCSTCL	28213	0.	125.	457.	0.	28.	-6.		55.	4.	0.60	11.73	0.04	9.9	8.19	906.2	1	17.9	1.02	68
IGGTST	28213	0.	129.	465.	0.	25.	-14.		55.	3.	0.54	11.73	0.02	8.8	7.30	868.7	0	18.1	1.03	64
GTSOAR	28213	0.	167.	423.	0.	-13.	28.		55.	3.	0.23	11.73	0.02	3.3	2.72	278.7	10	17.4	0.99	78
GTAC00	28213	0.	160.	431.	0.	-6.	20.		55.	2.	0.19	11.73	0.02	2.4	1.97	262.1	18	17.3	0.99	81
GTAC12	28213	0.	162.	426.	0.	-8.	25.		55.	3.	0.21	11.73	0.03	2.6	2.18	260.4	17	17.3	0.98	81
GTAC16	28213	0.	164.	422.	0.	-10.	29.		55.	4.	0.22	11.73	0.03	3.0	2.45	268.8	16	17.3	0.98	80
GTWC16	28213	0.	165.	422.	0.	-12.	30.		55.	4.	0.23	11.73	0.03	3.3	2.71	283.9	12	17.3	0.99	79
CC1626	28213	0.	170.	411.	0.	-17.	40.		55.	5.	0.34	11.73	0.04	4.0	3.26	283.2	10	17.4	0.99	79
CC1622	28213	0.	168.	415.	0.	-14.	36.		55.	4.	0.32	11.73	0.04	3.5	2.88	273.3	11	17.3	0.99	80
CC1222	28213	0.	167.	416.	0.	-14.	36.		55.	4.	0.31	11.73	0.04	3.3	2.71	260.5	12	17.3	0.99	81
CC0822	28213	0.	163.	424.	0.	-9.	28.		55.	3.	0.29	11.73	0.03	3.0	2.49	283.2	12	17.4	0.99	80
DEADV3	28213	0.	204.	368.	0.	-50.	84.		55.	10.	0.45	11.73	0.06	8.4	6.91	804.0	4	17.7	1.01	81
DEHTPM	28213	0.	164.	425.	0.	-11.	26.		55.	3.	0.32	11.73	0.03	4.8	4.00	443.2	2	17.7	1.01	72
DESOA3	28213	117.	104.	350.	-117.	49.	102.		55.	12.	0.53	11.73	0.06	10.9	8.98	316.3	0	18.8	1.07	82
DESOA3	28213	0.	222.	350.	0.	-68.	102.		55.	12.	0.53	11.73	0.06	10.9	8.98	316.3	0	18.0	1.03	81
GTSOAD	28213	35.	127.	427.	-35.	26.	25.		55.	3.	0.20	11.73	0.03	2.5	2.04	240.0	7	17.5	1.00	82
GTRA00	28213	54.	121.	405.	-54.	33.	46.		55.	6.	0.28	11.73	0.04	4.6	3.78	289.9	2	17.7	1.01	79
GTRA12	28213	51.	122.	408.	-51.	32.	44.		55.	5.	0.27	11.73	0.04	4.3	3.59	290.5	3	17.6	1.00	79
GTRA16	28213	48.	123.	411.	-48.	31.	40.		55.	5.	0.27	11.73	0.04	4.3	3.59	309.6	2	17.6	1.01	78
GTR200	28213	42.	125.	419.	-42.	28.	32.		55.	4.	0.24	11.73	0.03	3.4	2.81	277.0	3	17.6	1.00	79
GTR212	28213	44.	125.	417.	-44.	29.	35.		55.	4.	0.24	11.73	0.03	3.7	3.03	286.7	3	17.6	1.00	79
GTR216	28213	44.	124.	416.	-44.	29.	36.		55.	4.	0.25	11.73	0.03	3.8	3.15	296.0	3	17.6	1.00	79
GTRW00	28213	64.	119.	397.	-64.	35.	54.		55.	7.	0.30	11.73	0.04	5.1	4.21	270.6	0	17.8	1.02	80
GTRW12	28213	62.	119.	398.	-62.	35.	54.		55.	7.	0.30	11.73	0.05	5.1	4.19	281.1	0	17.7	1.01	80
GTRW16	28213	57.	120.	403.	-57.	33.	49.		55.	6.	0.29	11.73	0.04	5.0	4.12	299.3	0	17.7	1.01	79

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ECS	PROCS	FUEL USE IN BTU*10**6 **COGENERATION CASE** DISTIL	RESIDL	COAL	**NOCOGEN - COGEN** DISTIL	RESIDL	COAL	POWER REQD MW	COGEN POWER MW	O&M	POWER /HEAT RATIO	FESR	CAPITAL COST *10**6	NORM COST	$/KW EQVL	ROI (%)	LEVL CHRG	NORM ENRG	WRTH
GTR308	28213	55.	123.	411.	-55.	31.	41.	55.	5.	0.26	11.73	0.03	4.0	3.28	247.[illegible]	0	17.8	1.02	79
GTR312	28213	50.	123.	410.	-50.	31.	41.	55.	5.	0.26	11.73	0.04	4.1	3.36	278.7	2	17.7	1.01	79
GTR316	28213	49.	123.	411.	-49.	31.	40.	55.	5.	0.26	11.73	0.04	4.2	3.50	292.3	0	17.7	1.01	79
FCPADS	28213	94.	109.	365.	-94.	45.	86.	55.	10.	1.20	11.73	0.06	7.0	5.60	254.7	0	18.8	1.07	85
FCMCDS	28213	69.	115.	383.	-69.	39.	68.	55.	8.	0.91	11.73	0.06	5.9	4.90	295.1	0	18.2	1.03	83

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ECS	PROCS	FUEL USE IN BTU*10**6 — **COGENERATION CASE** DISTIL	RESIDL	COAL	**NOCOGEN - COGEN** DISTIL	RESIDL	COAL		POWER REQD MW	COGEN POWER MW	O&M	POWER /HEAT RATIO	FESR	CAPITAL COST *10**6	NORM COST	$/KW EQVL	ROI (%)	LEVL CHRG	NORM ENRG	WRTH
ONOCGN	28221	0.	60.	62.	0.	0.	0.		8.	0.	0.22	0.73	0.	2.0	1.00	164.9	0	3.9	1.00	80
STM141	28221	0.	63.	44.	0.	-3.	18.		8.	2.	0.32	0.73	0.12	3.4	1.73	235.5	11	3.8	0.98	111
STM141	28221	0.	13.	94.	0.	46.	-32.	F	8.	2.	0.54	0.73	0.12	6.1	3.09	421.6	9	3.7	0.94	100
STM141	28221	0.	13.	94.	0.	46.	-32.	A	8.	2.	0.48	0.73	0.12	5.3	2.67	363.8	12	3.5	0.90	102
STM088	28221	0.	62.	49.	0.	-2.	13.		8.	2.	0.31	0.73	0.09	2.9	1.48	212.0	11	3.6	0.98	107
STM088	28221	0.	15.	96.	0.	45.	-35.	F	8.	2.	0.52	0.73	0.09	5.6	2.82	403.5	8	3.7	0.96	95
STM088	28221	0.	15.	96.	0.	45.	-35.	A	8.	2.	0.46	0.73	0.09	5.0	2.50	357.3	11	3.6	0.92	96
PFDSTM	28221	0.	10.	89.	0.	50.	-27.		8.	3.	0.63	0.73	0.19	8.1	4.06	496.8	8	3.7	0.94	110
TISTMT	28221	0.	67.	24.	0.	-8.	38.		8.	5.	0.66	0.73	0.25	16.0	8.06	909.0	0	5.0	1.28	123
TISTMT	28221	0.	7.	84.	0.	52.	-22.		8.	5.	0.92	0.73	0.25	20.4	10.27	1158.0	0	5.0	1.29	121
TIHRSG	28221	0.	66.	43.	0.	-7.	18.		8.	2.	0.51	0.73	0.09	13.8	6.96	883.7	0	5.1	1.31	98
TIHRSG	28221	0.	13.	97.	0.	47.	-35.		8.	2.	0.75	0.73	0.09	17.9	8.98	1140.8	0	5.2	1.33	96
STIRL	28221	74.	5.	15.	-74.	55.	46.		8.	6.	0.33	0.73	0.22	4.4	2.23	283.2	1	4.0	1.02	129
STIRL	28221	0.	79.	15.	0.	-19.	46.		8.	6.	0.33	0.73	0.22	4.4	2.23	283.4	15	3.5	0.90	126
STIRL	28221	0.	5.	90.	0.	55.	-28.		8.	6.	0.57	0.73	0.22	7.6	3.83	349.9	13	3.2	0.82	116
HEGT85	28221	0.	0.	106.	0.	60.	-44.	A	8.	8.	1.14	0.73	0.13	24.2	12.18	780.8	0	5.5	1.42	121
HEGT85	28221	0.	0.	219.	0.	92.	-50.	A	8.	21.	1.57	0.73	0.16	42.6	21.39	662.0	0	7.4	1.91	112
HEGT60	28221	0.	0.	103.	0.	60.	-42.	A	8.	6.	1.00	0.73	0.15	21.9	11.00	723.3	0	5.1	1.31	121
HEGTGO	28221	0.	0.	111.	0.	62.	-42.	A	8.	8.	0.90	0.73	0.15	22.5	11.32	694.0	0	5.0	1.29	110
HEGT00	28221	0.	9.	102.	0.	50.	-41.	A	8.	4.	0.59	0.73	0.08	12.9	6.50	624.1	1	4.3	1.11	97
FCHCCL	28221	0.	2.	81.	0.	57.	-20.		8.	7.	0.80	0.73	0.31	15.3	7.70	708.3	4	4.0	1.03	126
FCSTCL	28221	0.	0.	77.	0.	60.	-15.		8.	8.	1.08	0.73	0.37	17.2	8.62	761.9	3	4.3	1.10	145
FCSTCL	28221	0.	0.	89.	0.	66.	-6.		8.	10.	1.02	0.73	0.40	18.5	9.32	712.1	4	4.1	1.05	136
IGGTST	28221	0.	1.	87.	0.	58.	-26.		8.	7.	0.81	0.73	0.27	15.9	7.99	655.0	4	4.1	1.06	121
GTSOAR	28221	0.	82.	5.	0.	-23.	57.		8.	7.	0.32	0.73	0.28	5.4	2.70	226.1	14	3.4	0.87	130
GTAC08	28221	0.	73.	17.	0.	-14.	44.		8.	5.	0.28	0.73	0.25	4.1	2.06	204.9	21	3.3	0.85	130
GTAC12	28221	0.	77.	6.	0.	-18.	55.		8.	7.	0.30	0.73	0.31	4.6	2.31	208.8	21	3.2	0.82	135
GTAC16	28221	0.	80.	0.	0.	-20.	62.		8.	8.	0.36	0.73	0.34	5.2	2.63	223.9	18	3.2	0.82	148
GTAC16	28221	0.	80.	0.	0.	-20.	62.		8.	8.	0.32	0.73	0.34	5.2	2.60	219.6	19	3.2	0.81	137
GTWC16	28221	0.	84.	0.	0.	-24.	68.		8.	8.	0.40	0.73	0.31	5.7	2.86	231.7	14	3.4	0.88	144
GTWC16	28221	0.	87.	0.	0.	-26.	66.		8.	8.	0.33	0.73	0.32	5.6	2.82	221.4	15	3.3	0.85	133
CC1626	28221	0.	84.	0.	0.	-25.	62.		8.	8.	0.55	0.73	0.31	6.3	3.19	257.3	9	3.7	0.94	143
CC1626	28221	0.	114.	0.	0.	-41.	104.		8.	13.	0.50	0.73	0.35	7.6	3.82	228.2	8	3.6	0.94	133
CC1622	28221	0.	82.	0.	0.	-23.	62.		8.	8.	0.53	0.73	0.32	6.0	3.02	249.2	10	3.6	0.91	145
CC1622	28221	0.	104.	0.	0.	-35.	93.		8.	11.	0.47	0.73	0.36	6.9	3.45	226.2	10	3.5	0.89	135
CC1222	28221	0.	82.	0.	0.	-22.	62.		8.	8.	0.53	0.73	0.32	5.8	2.91	240.8	11	3.5	0.90	146
CC1222	28221	0.	103.	0.	0.	-34.	93.		8.	11.	0.46	0.73	0.37	6.5	3.29	217.3	12	3.4	0.88	136
CC0822	28221	0.	79.	0.	0.	-20.	62.		8.	8.	0.51	0.73	0.35	5.8	2.89	247.8	13	3.4	0.87	148
CC0822	28221	0.	87.	0.	0.	-24.	74.		8.	9.	0.43	0.73	0.37	5.9	2.94	230.2	15	3.3	0.84	139
STIG15	28221	0.	107.	0.	0.	-48.	62.		8.	8.	0.57	0.73	0.11	8.7	3.36	212.5	0	4.4	1.12	123
STIG15	28221	0.	2692.	0.	0.	-1914.	2468.		8.	301.	5.31	0.73	0.17	90.2	45.32	114.3	0	38.7	9.94	286
STIG10	28221	0.	101.	0.	0.	-42.	62.		8.	8.	0.53	0.73	0.16	6.2	3.12	208.8	0	4.1	1.05	129
STIG10	28221	0.	264.	0.	0.	-155.	228.		8.	28.	0.73	0.73	0.22	11.7	5.88	151.3	0	5.9	1.50	109

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ECS	PROCS	----------FUEL USE IN BTU*10**6---------- **COGENERATION CASE** DISTIL	RESIDL	COAL	**NOCOGEN - COGEN** DISTIL	RESIDL	COAL	POWER REQD MW	COGEN POWER MW	O&M	POWER /HEAT RATIO	FESR	CAPITAL COST *10**6	NORM COST	$/KW EQVL	ROI (%)	LEVL CHRG	NORM ENRG	WRTH
STIGIS	28221	0.	99.	0.	0.	-39.	62.	8.	8.	0.52	0.73	0.19	5.9	2.99	205.8	3	4.0	1.02	131
STIGIS	28221	0.	156.	0.	0.	-85.	134.	8.	16.	0.54	0.73	0.23	8.0	4.04	165.2	0	4.6	1.17	118
DEADV3	28221	0.	93.	0.	0.	-33.	62.	8.	8.	0.57	0.73	0.24	8.4	4.20	308.3	2	4.1	1.06	134
DEADV3	28221	0.	161.	0.	0.	-77.	144.	8.	18.	0.60	0.73	0.29	12.4	6.24	262.5	0	4.7	1.21	122
DEHTPM	28221	0.	79.	0.	0.	-19.	52.	8.	8.	0.53	0.73	0.35	7.8	3.93	339.1	8	3.6	0.93	146
DEHTPM	28221	0.	81.	0.	0.	-20.	66.	8.	8.	0.46	0.73	0.36	7.8	3.92	327.1	9	3.5	0.91	136
DESOA3	28221	97.	0.	0.	-97.	60.	62.	8.	8.	0.57	0.73	0.20	8.3	4.16	292.0	0	4.9	1.25	134
DESOA3	28221	191.	0.	0.	-191.	91.	166.	8.	20.	0.75	0.73	0.26	17.4	8.76	310.8	0	7.0	1.80	126
DESOA3	28221	0.	97.	0.	0.	-37.	62.	8.	8.	0.57	0.73	0.20	8.3	4.16	292.0	0	4.2	1.09	130
DESOA3	28221	0.	191.	0.	0.	-101.	165.	8.	20.	0.75	0.73	0.26	17.4	8.76	310.8	0	5.8	1.48	118
GTSOAD	28221	75.	3.	9.	-75.	57.	53.	8.	6.	0.29	0.73	0.29	4.2	2.12	190.9	11	3.7	0.95	137
GTRA08	28221	84.	0.	0.	-84.	60.	62.	8.	8.	0.46	0.73	0.31	6.5	3.26	264.7	1	4.1	1.05	146
GTRA08	28221	101.	0.	0.	-101.	67.	86.	8.	11.	0.38	0.73	0.34	7.1	3.59	241.9	0	4.1	1.06	138
GTRA12	28221	83.	0.	0.	-83.	60.	62.	8.	8.	0.45	0.73	0.32	6.4	3.23	264.7	2	4.0	1.04	147
GTRA12	28221	98.	0.	0.	-98.	66.	85.	8.	10.	0.38	0.73	0.35	7.0	3.53	244.0	1	4.1	1.05	138
GTRA16	28221	83.	0.	0.	-83.	60.	62.	8.	8.	0.45	0.73	0.32	6.7	3.35	275.5	1	4.1	1.04	147
GTRA16	28221	94.	0.	0.	-94.	65.	79.	8.	10.	0.38	0.73	0.35	7.1	3.58	257.3	2	4.1	1.04	138
GTR208	28221	83.	0.	0.	-83.	60.	62.	8.	8.	0.40	0.73	0.32	5.7	2.87	235.8	4	3.9	1.01	148
GTR208	28221	86.	0.	0.	-86.	61.	66.	8.	8.	0.33	0.73	0.32	5.7	2.84	225.2	6	3.9	0.99	138
GTR212	28221	83.	0.	0.	-83.	60.	62.	8.	8.	0.43	0.73	0.32	6.0	3.03	248.4	3	4.0	1.02	147
GTR212	28221	89.	0.	0.	-89.	62.	71.	8.	9.	0.35	0.73	0.33	6.1	3.06	233.5	4	3.9	1.01	138
GTR216	28221	82.	0.	0.	-82.	60.	62.	8.	8.	0.43	0.73	0.32	6.2	3.13	258.8	3	4.0	1.02	148
GTR216	28221	89.	0.	0.	-89.	63.	72.	8.	9.	0.36	0.73	0.34	6.4	3.20	243.4	4	3.9	1.01	138
GTRW08	28221	90.	0.	0.	-90.	60.	62.	8.	8.	0.48	0.73	0.26	6.7	3.36	254.9	0	4.3	1.11	141
GTRW08	28221	122.	0.	0.	-122.	72.	103.	8.	13.	0.42	0.73	0.30	8.0	4.03	223.2	0	4.7	1.19	132
GTRW12	28221	87.	0.	0.	-87.	60.	62.	8.	8.	0.48	0.73	0.28	6.7	3.36	261.0	0	4.3	1.09	143
GTRW12	28221	120.	0.	0.	-120.	73.	106.	8.	13.	0.42	0.73	0.32	8.1	4.07	229.2	0	4.5	1.17	134
GTRW16	28221	87.	0.	0.	-87.	60.	62.	8.	8.	0.48	0.73	0.28	6.9	3.46	270.0	0	4.3	1.10	143
GTRW16	28221	114.	0.	0.	-114.	70.	98.	8.	12.	0.42	0.73	0.32	8.1	4.05	241.0	0	4.5	1.15	134
GTR308	28221	92.	0.	0.	-92.	60.	62.	8.	8.	0.45	0.73	0.24	6.1	3.05	225.9	0	4.3	1.11	140
GTR308	28221	106.	0.	0.	-106.	65.	79.	8.	10.	0.37	0.73	0.25	6.4	3.20	205.3	0	4.4	1.13	131
GTR312	28221	86.	0.	0.	-86.	60.	62.	8.	8.	0.45	0.73	0.29	6.2	3.13	245.6	0	4.2	1.07	144
GTR312	28221	104.	0.	0.	-104.	67.	86.	8.	10.	0.38	0.73	0.32	6.8	3.40	221.0	0	4.2	1.09	136
GTR316	28221	87.	0.	0.	-87.	60.	62.	8.	8.	0.46	0.73	0.28	6.5	3.26	255.0	0	4.2	1.08	144
GTR316	28221	104.	0.	0.	-104.	66.	85.	8.	10.	0.38	0.73	0.31	7.0	3.53	231.2	0	4.3	1.10	135
FCPADS	28221	95.	0.	0.	-95.	60.	62.	8.	8.	1.06	0.73	0.22	6.7	3.36	239.7	0	5.1	1.31	141
FCPADS	28221	206.	0.	0.	-206.	97.	188.	8.	23.	2.51	0.73	0.28	14.5	7.30	240.6	0	8.5	2.18	137
FCMCDS	28221	86.	0.	0.	-86.	60.	62.	8.	8.	1.01	0.73	0.29	6.9	3.48	274.1	0	4.8	1.23	147
FCMCDS	28221	150.	0.	0.	-150.	86.	149.	8.	18.	1.90	0.73	0.36	12.4	6.21	280.7	0	6.6	1.68	141

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SUMMARY OF FUEL SAVED BY TYPE & ECONOMICS

ECS	PROCS	----------FUEL USE IN BTU*10**6---------- **COGENERATION CASE** DISTIL	RESIDL	COAL	**NOCOGEN - COGEN** DISTIL	RESIDL	COAL		POWER REQD MW	COGEN POWER MW	O&M	POWER /HEAT RATIO	FESR	CAPITAL COST *10**6	NORM COST	$/KW EQVL	ROI (%)	LEVL CHRG	NORM ENRG	WRTH
ONOCGN	28241	0.	114.	263.	0.	0.	0.		32.	0.	0.21	3.64	0.	1.8	1.00	174.4	0	11.1	1.00	80
STM141	28241	0.	116.	252.	0.	-2.	10.		32.	1.	0.30	3.64	0.02	2.9	1.59	242.5	7	11.1	1.00	85
STM141	28241	0.	75.	293.	0.	38.	-30.	F	32.	1.	0.49	3.64	0.02	5.2	2.87	437.7	6	11.1	0.99	74
STM141	28241	0.	75.	293.	0.	38.	-30.	A	32.	1.	0.43	3.64	0.02	4.5	2.52	383.4	10	10.9	0.98	75
STM088	28241	0.	115.	256.	0.	-1.	7.		32.	1.	0.28	3.64	0.01	2.4	1.35	215.7	5	11.1	1.00	85
STM088	28241	0.	76.	295.	0.	37.	-32.	F	32.	1.	0.47	3.64	0.01	4.7	2.61	417.4	6	11.1	1.00	72
STM088	28241	0.	76.	295.	0.	37.	-32.	A	32.	1.	0.42	3.64	0.01	4.2	2.35	375.7	9	11.0	0.99	73
PFBSTM	28241	0.	73.	289.	0.	41.	-26.		32.	2.	0.56	3.64	0.04	7.0	3.86	524.4	6	11.1	0.99	76
TISTMT	28241	0.	119.	236.	0.	-6.	27.		32.	3.	0.58	3.64	0.06	13.6	7.55	951.2	0	12.2	1.09	77
TISTMT	28241	0.	76.	285.	0.	43.	-22.		32.	3.	0.82	3.64	0.06	17.4	9.64	1214.7	0	12.2	1.10	75
TIHRSG	28241	0.	121.	247.	0.	-7.	16.		32.	2.	0.47	3.64	0.02	12.7	7.04	912.1	0	12.3	1.11	69
TIHRSG	28241	0.	74.	294.	0.	40.	-31.		32.	2.	0.70	3.64	0.02	16.4	9.08	1177.6	0	12.4	1.11	67
STIRL	28241	62.	68.	227.	-62.	46.	36.		32.	4.	0.36	3.64	0.05	3.7	2.05	264.6	0	11.3	1.01	93
STIRL	28241	0.	129.	227.	0.	-16.	36.		32.	4.	0.30	3.64	0.05	3.7	2.05	264.8	14	10.9	0.97	92
STIRL	28241	0.	68.	288.	0.	46.	-26.		32.	4.	0.51	3.64	0.05	6.5	3.62	361.8	12	10.6	0.95	83
HEGT60	28241	0.	56.	308.	0.	58.	-45.	A	32.	9.	0.95	3.64	0.03	23.8	13.21	677.8	0	12.5	1.12	81
HEGT00	28241	0.	71.	299.	0.	43.	-36.	A	32.	3.	0.55	3.64	0.02	11.9	6.58	687.0	0	11.6	1.04	72
FCMCCL	28241	0.	65.	280.	0.	49.	-17.		32.	6.	0.73	3.64	0.09	13.8	7.64	740.9	4	11.3	1.02	83
FCSTCL	28241	0.	60.	272.	0.	54.	-9.		32.	8.	0.89	3.64	0.12	15.9	8.79	748.7	4	11.2	1.01	90
IGGTST	28241	0.	66.	287.	0.	48.	-25.		32.	5.	0.73	3.64	0.06	13.7	7.60	695.1	2	11.5	1.03	80
GTSOAR	28241	0.	136.	212.	0.	-22.	51.		32.	6.	0.31	3.64	0.08	5.0	2.79	235.4	12	10.8	0.97	93
GTAC08	28241	0.	125.	225.	0.	-12.	38.		32.	5.	0.26	3.64	0.07	3.8	2.08	220.1	20	10.7	0.96	94
GTAC12	28241	0.	129.	215.	0.	-15.	48.		32.	6.	0.28	3.64	0.09	4.2	2.33	221.8	20	10.6	0.95	96
GTAC16	28241	0.	132.	208.	0.	-19.	54.		32.	7.	0.30	3.64	0.10	4.7	2.63	231.1	18	10.5	0.94	97
GTWC16	28241	0.	136.	207.	0.	-22.	56.		32.	7.	0.31	3.64	0.09	5.1	2.84	236.3	15	10.6	0.95	95
CC1626	28241	0.	147.	102.	0.	-33.	80.		32.	10.	0.45	3.64	0.13	6.4	3.54	236.5	13	10.5	0.95	100
CC1622	28241	0.	141.	191.	0.	-27.	72.		32.	9.	0.42	3.64	0.12	5.7	3.18	232.7	15	10.5	0.94	100
CC1222	28241	0.	141.	191.	0.	-27.	72.		32.	9.	0.42	3.64	0.12	5.4	3.02	222.9	16	10.5	0.94	100
CCO622	28241	0.	132.	207.	0.	-18.	56.		32.	7.	0.39	3.64	0.10	4.9	2.71	237.0	16	10.6	0.95	97
STI015	28241	0.	317.	0.	0.	-204.	263.		32.	32.	1.08	3.64	0.16	14.8	8.22	159.4	0	11.8	1.06	118
STI015	28241	0.	2308.	0.	0.	-1640.	2116.		32.	258.	4.60	3.64	0.17	76.8	42.56	113.5	0	37.0	3.40	126
STI010	28241	0.	246.	67.	0.	-133.	196.		32.	24.	0.66	3.64	0.17	10.5	5.80	157.8	8	10.8	0.97	108
STIGIS	28241	0.	187.	148.	0.	-73.	115.		32.	14.	0.49	3.64	0.11	7.2	3.99	172.7	9	10.8	0.97	101
DEADV3	28241	0.	195.	120.	0.	-82.	142.		32.	17.	0.60	3.64	0.16	12.3	6.81	262.6	6	10.9	0.98	104
DEHTPM	28241	0.	133.	210.	0.	-19.	52.		32.	6.	0.43	3.64	0.09	7.2	3.97	348.6	7	11.0	0.99	91
DESOA3	28241	195.	28.	94.	-195.	86.	169.		32.	21.	0.76	3.64	0.16	17.7	9.82	310.6	0	13.0	1.16	107
DESOA3	28241	0.	223.	94.	0.	-109.	169.		32.	21.	0.76	3.64	0.16	17.7	9.82	310.6	1	11.7	1.05	105
GTSOAD	28241	66.	65.	217.	-66.	49.	46.		32.	6.	0.27	3.64	0.08	3.9	2.16	202.9	9	11.0	0.99	97
GTRA08	28241	94.	54.	182.	-94.	59.	81.		32.	10.	0.37	3.64	0.12	6.8	3.77	246.5	5	11.1	1.00	100
GTRA12	28241	91.	55.	185.	-91.	59.	78.		32.	10.	0.36	3.64	0.12	6.7	3.69	250.6	6	11.1	1.00	100
GTRA16	28241	86.	57.	191.	-86.	57.	72.		32.	9.	0.36	3.64	0.11	6.7	3.71	265.6	5	11.2	1.00	98
GTR203	28241	77.	61.	204.	-77.	53.	59.		32.	7.	0.32	3.64	0.09	5.3	2.92	234.9	5	11.1	1.00	97
GTR212	28241	80.	60.	200.	-80.	54.	63.		32.	8.	0.33	3.64	0.10	5.7	3.14	243.3	5	11.1	1.00	97

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		FUEL USE IN BTU*10**6																	
		COGENERATION CASE			**NOCOGEN - COGEN**														
ECS	PROCS	DISTIL	RESIDL	COAL	DISTIL	RESIDL	COAL	POWER REQD MW	COGEN POWER MW	O&M	POWER /HEAT RATIO	FESR	CAPITAL COST *10**6	NORM COST	$/KW EQVL	ROI (%)	LEVL CHRG	NORM ENRG	WRTH
GTR216	28241	80.	59.	198.	-80.	55.	65.	32.	8.	0.34	3.64	0.11	5.9	3.29	252.9	5	11.1	1.00	98
GTRW08	28241	114.	50.	167.	-114.	64.	96.	32.	12.	0.41	3.64	0.12	7.6	4.23	229.2	0	11.4	1.02	101
GTRW12	28241	110.	50.	166.	-110.	64.	96.	32.	12.	0.40	3.64	0.13	7.6	4.23	236.7	3	11.2	1.01	103
GTRW16	28241	103.	52.	174.	-103.	62.	88.	32.	11.	0.40	3.64	0.13	7.6	4.19	250.5	3	11.3	1.01	101
GTR308	28241	98.	57.	190.	-98.	57.	73.	32.	9.	0.35	3.64	0.09	6.1	3.36	211.5	0	11.5	1.03	97
GTR312	28241	92.	56.	187.	-92.	58.	76.	32.	9.	0.36	3.64	0.11	6.3	3.47	232.1	4	11.2	1.00	99
GTR316	28241	91.	56.	188.	-91.	58.	74.	32.	9.	0.36	3.64	0.11	6.5	3.60	242.9	3	11.2	1.01	99
FCPADS	28241	176.	30.	101.	-176.	83.	161.	32.	20.	2.16	3.64	0.18	12.4	6.85	239.1	0	13.4	1.21	113
FCMCDS	28241	129.	40.	135.	-129.	73.	128.	32.	16.	1.64	3.64	0.19	10.7	5.95	284.6	0	12.3	1.10	111

ECS	PROCS	FUEL USE IN BTU*10**6 **COGENERATION CASE** DISTIL	RESIDL	COAL	**NOCOGEN - COGEN** DISTIL	RESIDL	COAL		POWER REQD MW	COGEN POWER MW	O&M	POWER /HEAT RATIO	FESR	CAPITAL COST *10**6	NORM COST	$/KW EQVL	ROI (%)	LEVL CHRG	NORM ENRG	WRTH
ONOCGN	28242	0.	54.	90.	0.	0.	0.		11.	0.	0.19	1.63	0.	1.5	1.00	192.2	0	4.8	1.00	80
STM141	28242	0.	57.	75.	0.	-3.	15.		11.	2.	0.29	1.63	0.09	2.9	1.88	283.3	12	4.8	0.97	100
STM141	28242	0.	22.	110.	0.	32.	-19.	F	11.	2.	0.47	1.63	0.09	4.9	3.22	485.7	9	4.7	0.96	91
STM141	28242	0.	22.	110.	0.	32.	-19.	A	11.	2.	0.41	1.63	0.09	4.4	2.88	434.8	12	4.6	0.94	92
STM088	28242	0.	56.	79.	0.	-2.	12.		11.	1.	0.27	1.63	0.07	2.4	1.61	254.6	12	4.8	0.98	99
STM088	28242	0.	23.	111.	0.	31.	-21.	F	11.	1.	0.45	1.63	0.07	4.5	2.93	464.6	8	4.8	0.97	87
STM088	28242	0.	23.	111.	0.	31.	-21.	A	11.	1.	0.40	1.63	0.07	4.1	2.70	427.1	11	4.7	0.95	88
PFBSTM	28242	0.	20.	106.	0.	34.	-16.		11.	3.	0.53	1.63	0.13	6.5	4.28	581.5	8	4.7	0.96	96
TISTMT	28242	0.	60.	61.	0.	-6.	29.		11.	4.	0.54	1.63	0.16	12.4	8.13	1013.8	0	5.7	1.16	103
TISTMT	28242	0.	18.	103.	0.	36.	-12.		11.	4.	0.76	1.63	0.16	15.8	10.34	1288.8	0	5.7	1.17	101
TIHRSG	28242	0.	58.	79.	0.	-4.	12.		11.	1.	0.39	1.63	0.05	10.0	6.55	996.5	0	5.8	1.17	81
TIHRSG	28242	0.	24.	113.	0.	31.	-23.		11.	1.	0.58	1.63	0.05	12.9	8.46	1286.8	0	5.8	1.19	80
STIRL	28242	50.	17.	57.	-50.	37.	33.		11.	4.	0.27	1.63	0.14	3.1	2.03	209.3	5	4.9	1.00	114
STIRL	28242	0.	67.	57.	0.	-13.	33.		11.	4.	0.27	1.63	0.14	3.1	2.03	209.5	19	4.6	0.93	112
STIRL	28242	0.	17.	108.	0.	37.	-17.		11.	4.	0.46	1.63	0.14	5.5	3.67	378.6	14	4.3	0.88	101
HEGT85	28242	0.	5.	112.	0.	49.	-21.	A	11.	9.	0.90	1.63	0.19	23.4	15.38	847.8	0	5.9	1.20	111
HEGT60	28242	0.	15.	114.	0.	39.	-24.	A	11.	5.	0.64	1.63	0.10	15.2	9.95	820.8	0	5.5	1.13	96
HEGT00	28242	0.	21.	116.	0.	33.	-26.	A	11.	2.	0.45	1.63	0.05	9.4	6.17	713.7	1	5.2	1.06	83
FCMCCL	28242	0.	16.	103.	0.	38.	-13.		11.	4.	0.62	1.63	0.17	11.4	7.48	803.8	4	5.0	1.02	103
FCSTCL	28242	0.	9.	92.	0.	45.	-1.		11.	7.	0.83	1.63	0.30	14.5	9.50	802.5	5	4.8	0.98	121
IGGIST	28242	0.	14.	105.	0.	40.	-15.		11.	5.	0.69	1.63	0.17	12.6	8.30	751.5	4	5.1	1.04	105
GTSOAR	28242	0.	68.	55.	0.	-13.	36.		11.	4.	0.26	1.63	0.15	3.9	2.57	261.2	15	4.5	0.92	111
GTAC08	28242	0.	63.	61.	0.	-9.	29.		11.	4.	0.23	1.63	0.14	3.0	2.00	230.2	21	4.5	0.91	111
GTAC12	28242	0.	65.	54.	0.	-11.	36.		11.	4.	0.24	1.63	0.17	3.4	2.20	234.1	22	4.4	0.89	115
GTAC16	28242	0.	67.	50.	0.	-13.	40.		11.	5.	0.25	1.63	0.19	3.7	2.45	246.3	20	4.4	0.89	116
GTWC16	28242	0.	71.	47.	0.	-17.	43.		11.	5.	0.27	1.63	0.18	4.2	2.75	250.6	16	4.5	0.91	114
CC1626	28242	0.	83.	15.	0.	-29.	75.		11.	9.	0.43	1.63	0.32	6.0	3.94	260.1	15	4.2	0.86	129
CC1622	28242	0.	78.	23.	0.	-24.	68.		11.	8.	0.40	1.63	0.30	5.3	3.51	254.7	16	4.2	0.85	127
CC1222	28242	0.	78.	23.	0.	-24.	67.		11.	8.	0.40	1.63	0.30	5.1	3.36	245.3	17	4.2	0.85	128
CC0822	28242	0.	71.	36.	0.	-17.	54.		11.	7.	0.37	1.63	0.26	4.7	3.05	263.9	17	4.3	0.87	123
STIG15	28242	0.	124.	0.	0.	-70.	90.		11.	11.	0.64	1.63	0.14	7.6	5.00	209.5	0	5.4	1.10	121
STIG15	28242	0.	1769.	0.	0.	-1258.	1622.		11.	198.	3.79	1.63	0.17	59.2	38.84	114.2	0	28.7	5.83	183
STIG10	28242	0.	115.	0.	0.	-61.	90.		11.	11.	0.55	1.63	0.20	6.8	4.48	202.2	4	4.9	1.01	128
STIG10	28242	0.	174.	0.	0.	-102.	150.		11.	18.	0.57	1.63	0.22	8.6	5.68	170.0	0	5.5	1.13	117
STIG1S	28242	0.	110.	2.	0.	-56.	88.		11.	11.	0.43	1.63	0.22	6.0	3.92	186.7	10	4.6	0.94	120
DEADV3	28242	0.	96.	6.	0.	-42.	84.		11.	10.	0.45	1.63	0.29	8.4	5.50	303.6	8	4.6	0.93	124
DEHTPM	28242	0.	66.	45.	0.	-12.	45.		11.	6.	0.37	1.63	0.23	5.9	3.86	380.7	11	4.5	0.92	117
DESOA3	28242	105.	0.	0.	-105.	54.	90.		11.	11.	0.55	1.63	0.27	9.9	6.50	320.9	0	5.7	1.16	136
DESOA3	28242	110.	0.	0.	-110.	55.	95.		11.	12.	0.51	1.63	0.27	10.2	6.68	317.2	0	5.7	1.17	126
DESOA3	28242	0.	105.	0.	0.	-51.	90.		11.	11.	0.55	1.63	0.27	9.9	6.50	320.9	4	5.0	1.01	133
DESOA3	28242	0.	110.	0.	0.	-54.	95.		11.	12.	0.51	1.63	0.27	10.2	6.68	317.2	4	5.0	1.01	122
GTSOAD	28242	49.	17.	56.	-49.	37.	34.		11.	4.	0.24	1.63	0.16	3.1	2.03	216.6	11	4.8	0.97	116
GTRA08	28242	62.	11.	37.	-62.	43.	53.		11.	7.	0.30	1.63	0.24	5.1	3.36	281.1	8	4.8	0.97	122

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		----------FUEL USE IN BTU*10**6----------																
		COGENERATION CASE			**NOCOGEN - COGEN**			POWER	COGEN	O&M	POWER	FESR	CAPITAL	NORM	$/KW	ROI	LEVL	NORM	WRTH
ECS	PROCS	DISTIL	RESIDL	COAL	DISTIL	RESIDL	COAL	REQD MW	POWER MW		/HEAT RATIO		COST *10**6	COST	EQVL	(%)	CHRG	ENRG	
GTRA12	28242	51.	11.	37.	-61.	43.	53.	11.	6.	0.30	1.63	0.24	5.0	3.30	279.8	8	4.8	0.97	122
GTRA16	28242	59.	12.	41.	-59.	42.	50.	11.	6.	0.30	1.63	0.22	5.1	3.36	294.4	7	4.8	0.98	120
GTR208	28242	54.	14.	48.	-54.	40.	42.	11.	5.	0.27	1.63	0.19	4.1	2.70	258.2	8	4.8	0.98	117
GTR212	28242	57.	14.	45.	-57.	40.	45.	11.	5.	0.28	1.63	0.20	4.4	2.91	267.2	7	4.8	0.98	118
GTR216	28242	57.	13.	44.	-57.	41.	46.	11.	6.	0.28	1.63	0.21	4.6	3.02	277.2	8	4.8	0.98	119
GTRW08	28242	76.	8.	26.	-76.	46.	64.	11.	8.	0.33	1.63	0.24	5.8	3.81	260.4	4	5.0	1.01	123
GTRW12	28242	76.	7.	24.	-76.	47.	66.	11.	8.	0.33	1.63	0.26	5.9	3.87	266.3	5	4.9	1.00	125
GTRW16	28242	72.	8.	28.	-72.	46.	62.	11.	8.	0.33	1.63	0.25	5.9	3.88	279.4	5	4.9	1.00	123
GTR308	28242	65.	12.	42.	-65.	42.	49.	11.	6.	0.29	1.63	0.17	4.6	2.99	238.7	1	5.0	1.02	116
GTR312	28242	67.	11.	35.	-67.	44.	55.	11.	7.	0.30	1.63	0.22	5.0	3.27	254.2	5	4.9	0.99	121
GTR316	28242	67.	11.	36.	-67.	43.	54.	11.	7.	0.31	1.63	0.21	5.2	3.40	266.2	4	4.9	1.00	120
FCPADS	28242	106.	0.	0.	-106.	54.	90.	11.	11.	1.47	1.63	0.27	8.0	5.25	257.2	0	6.5	1.31	142
FCPADS	28242	135.	0.	0.	-135.	64.	124.	11.	15.	1.82	1.63	0.28	9.7	6.39	245.5	0	7.3	1.49	134
FCMCDS	28242	93.	0.	0.	-93.	54.	90.	11.	11.	1.36	1.63	0.35	8.1	5.34	297.8	0	5.9	1.19	150
FCMCDS	28242	99.	0.	0.	-99.	56.	98.	11.	12.	1.38	1.63	0.36	8.4	5.53	291.6	0	5.9	1.21	139

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SUMMARY OF FUEL SAVED BY TYPE & ECONOMICS

		----------FUEL USE IN BTU*10**6----------																
		COGENERATION CASE			**NOCOGEN - COGEN**													
ECS	PROCS	DISTIL	RESIDL	COAL	DISTIL	RESIDL	COAL		POWER REQD MW	COGEN POWER MW	O&M	POWER /HEAT RATIO	FESR	CAPITAL COST *10**6	NORM COST	$/KW EQVL	ROI (%)	LEVL CHRG	NORM ENRG	WRTH
ONOCGN	28651	0.	375.	36.	0.	0.	0.		4.	0.	0.81	0.03	0.	16.5	1.00	93.7	0	14.4	1.00	80
STM141	28651	0.	382.	0.	0.	-7.	36.		4.	4.	1.17	0.03	0.07	20.1	1.22	111.0	5	14.3	1.00	134
STM141	28651	0.	511.	0.	0.	-57.	299.		4.	36.	1.09	0.03	0.32	22.0	1.34	100.7	24	12.3	0.86	113
STM141	28651	0.	0.	382.	0.	375.	-346.	F	4.	4.	2.31	0.03	0.07	35.6	2.16	196.7	11	12.5	0.87	119
STM141	28651	0.	0.	511.	0.	454.	-212.	F	4.	36.	2.29	0.03	0.32	40.1	2.43	183.2	17	9.3	0.65	95
STM141	28651	0.	0.	382.	0.	375.	-346.	A	4.	4.	2.22	0.03	0.07	33.9	2.06	187.5	12	12.3	0.85	119
STM141	28651	0.	0.	511.	0.	454.	-212.	A	4.	36.	2.22	0.03	0.32	34.0	2.06	155.3	23	8.6	0.60	97
STM088	28651	0.	382.	0.	0.	-7.	36.		4.	4.	1.16	0.03	0.07	19.9	1.21	109.9	6	14.3	1.00	134
STM088	28651	0.	475.	0.	0.	-43.	226.		4.	28.	1.03	0.03	0.28	20.0	1.21	95.9	29	12.0	0.80	114
STM088	28651	0.	0.	382.	0.	375.	-346.	F	4.	4.	2.33	0.03	0.07	35.8	2.17	197.8	11	12.3	0.88	119
STM088	28651	0.	0.	475.	0.	432.	-249.	F	4.	28.	2.15	0.03	0.28	37.3	2.27	179.3	17	9.9	0.69	96
STM088	28651	0.	0.	382.	0.	375.	-346.	A	4.	4.	2.25	0.03	0.07	34.0	2.06	187.6	12	12.3	0.86	119
STM088	28651	0.	0.	475.	0.	432.	-249.	A	4.	28.	2.15	0.03	0.28	32.7	1.98	157.0	22	9.4	0.65	98
PFBSTM	28651	0.	0.	383.	0.	375.	-347.		4.	4.	2.28	0.03	0.07	34.4	2.09	189.8	12	12.4	0.86	119
PFBSTM	28651	0.	0.	595.	0.	502.	-135.		4.	56.	3.66	0.03	0.38	47.3	2.87	194.2	15	9.3	0.65	97
TISTMT	28651	0.	383.	0.	0.	-7.	36.		4.	4.	1.36	0.03	0.07	28.7	1.74	158.5	0	15.5	1.08	128
TISTMT	28651	0.	549.	0.	0.	-74.	367.		4.	45.	3.00	0.03	0.35	87.3	5.29	379.8	0	20.8	1.45	107
TISTMT	28651	0.	0.	383.	0.	375.	-347.		4.	4.	2.46	0.03	0.07	43.9	2.66	242.5	7	13.6	0.95	117
TISTMT	28651	0.	0.	668.	0.	545.	-63.		4.	74.	5.16	0.03	0.42	150.8	9.15	569.9	1	20.0	1.39	108
TIHRSG	28651	0.	389.	0.	0.	-13.	36.		4.	4.	1.50	0.03	0.06	36.2	2.19	197.8	0	16.5	1.15	123
TIHRSG	28651	0.	470.	0.	0.	-57.	159.		4.	19.	2.51	0.03	0.18	74.2	4.50	359.2	0	21.1	1.47	101
TIHRSG	28651	0.	0.	389.	0.	375.	-352.		4.	4.	2.66	0.03	0.06	53.2	3.23	291.2	4	14.9	1.04	114
TIHRSG	28651	0.	0.	537.	0.	443.	-276.		4.	32.	4.36	0.03	0.24	128.6	7.80	568.2	0	22.2	1.55	95
STIRL	28651	391.	0.	0.	-391.	375.	36.		4.	4.	1.16	0.03	0.05	22.8	1.38	124.2	0	17.3	1.21	134
STIRL	28651	664.	0.	0.	-664.	490.	420.		4.	51.	1.84	0.03	0.27	42.4	2.57	160.8	0	21.2	1.48	106
STIRL	28651	0.	391.	0.	0.	-15.	36.		4.	4.	1.16	0.03	0.05	22.8	1.38	124.2	0	14.8	1.03	129
STIRL	28651	0.	664.	0.	0.	-174.	420.		4.	51.	1.84	0.03	0.27	42.4	2.57	160.9	0	16.9	1.18	99
STIRL	28651	0.	0.	391.	0.	375.	-354.		4.	4.	2.23	0.03	0.05	36.7	2.23	200.3	11	12.6	0.88	116
STIRL	28651	0.	0.	858.	0.	571.	-168.		4.	84.	4.04	0.03	0.32	100.6	6.10	314.1	5	14.4	1.00	89
HEGT85	28651	0.	0.	401.	0.	375.	-365.	A	4.	4.	2.21	0.03	0.03	40.0	2.43	214.4	8	13.2	0.92	112
HEGT85	28651	0.	0.	2527.	0.	1002.	-393.	A	4.	260.	9.72	0.03	0.19	256.2	15.53	316.5	0	33.0	2.30	100
HEGT60	28651	0.	0.	400.	0.	375.	-364.	A	4.	4.	2.21	0.03	0.03	39.7	2.41	213.0	9	13.2	0.92	113
HEGT60	28651	0.	0.	1305.	0.	651.	-345.	A	4.	117.	5.63	0.03	0.19	144.0	8.74	319.1	0	22.5	1.56	84
HEGT00	28651	0.	0.	400.	0.	375.	-364.	A	4.	4.	2.23	0.03	0.03	39.3	2.38	211.2	9	13.2	0.92	113
HEGT00	28651	0.	0.	785.	0.	494.	-353.	A	4.	53.	3.60	0.03	0.15	85.2	5.17	284.9	1	17.1	1.19	75
FCMCCL	28651	0.	0.	622.	0.	375.	-586.		4.	4.	2.38	0.03	-0.51	43.2	2.62	237.1	0	17.5	1.22	51
FCMCCL	28651	0.	0.	1075.	0.	600.	-289.		4.	96.	5.78	0.03	0.22	104.2	6.32	330.8	0	18.6	1.29	84
FCSTCL	28651	0.	0.	621.	0.	375.	-585.		4.	4.	2.40	0.03	-0.51	42.4	2.57	232.9	0	17.5	1.21	52
FCSTCL	28651	0.	0.	1332.	0.	744.	-62.		4.	155.	7.23	0.03	0.34	129.9	7.88	332.7	3	16.4	1.14	93
IGGTST	28651	0.	0.	626.	0.	375.	-590.		4.	4.	2.35	0.03	-0.52	40.6	2.46	221.2	0	17.3	1.20	51
IGGTST	28651	0.	0.	1242.	0.	632.	-347.		4.	109.	3.46	0.03	0.19	101.1	6.14	277.7	3	16.3	1.13	76
GTSOAR	28651	0.	390.	0.	0.	-14.	36.		4.	4.	1.09	0.03	0.05	21.3	1.29	116.1	2	14.5	1.01	131
GTSOAR	28651	0.	709.	0.	0.	-196.	495.		4.	60.	1.51	0.03	0.30	32.0	1.94	115.6	0	15.1	1.05	104

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SUMMARY OF FUEL SAVED BY TYPE & ECONOMICS

		----------FUEL USE IN BTU*10**6----------																
		COGENERATION CASE			**NOCOGEN - COGEN**			POWER	COGEN	O&M	POWER	FESR	CAPITAL	NORM	$/KW	ROI	LEVL	NORM WRTH
ECS	PROCS	DISTIL	RESIDL	COAL	DISTIL	RESIDL	COAL	REQD MW	POWER MW		/HEAT RATIO		COST *10**6	COST	EQVL	(%)	CHRG	ENRG
GTAC08	28651	0.	387.	0.	0.	-11.	36.	4.	4.	1.08	0.03	0.06	20.7	1.26	113.8	5	14.4	1.00 132
GTAC08	28651	0.	605.	0.	0.	-123.	393.	4.	48.	1.35	0.03	0.31	26.6	1.62	108.2	10	13.6	0.95 107
GTAC12	28651	0.	387.	0.	0.	-11.	36.	4.	4.	1.07	0.03	0.06	20.7	1.26	113.5	5	14.4	1.00 132
GTAC12	28651	0.	664.	0.	0.	-154.	488.	4.	59.	1.46	0.03	0.33	30.4	1.84	115.3	8	13.7	0.96 107
GTAC16	28651	0.	387.	0.	0.	-12.	36.	4.	4.	1.07	0.03	0.06	20.8	1.26	114.2	4	14.4	1.00 132
GTAC16	28651	0.	707.	0.	0.	-178.	550.	4.	67.	1.55	0.03	0.34	33.7	2.05	122.1	6	14.0	0.98 107
GTWC16	28651	0.	390.	0.	0.	-14.	36.	4.	4.	1.08	0.03	0.05	21.1	1.28	115.3	2	14.5	1.01 131
GTWC16	28651	0.	767.	0.	0.	-229.	581.	4.	71.	1.55	0.03	0.32	33.0	2.00	112.5	1	15.0	1.04 105
CC1626	28651	0.	390.	0.	0.	-14.	36.	4.	4.	1.14	0.03	0.05	20.9	1.27	113.9	0	14.6	1.02 131
CC1626	28651	0.	1035.	0.	0.	-382.	967.	4.	118.	2.00	0.03	0.36	43.3	2.63	116.3	0	15.7	1.10 107
CC1622	28651	0.	389.	0.	0.	-13.	36.	4.	4.	1.14	0.03	0.06	20.6	1.25	112.8	1	14.5	1.01 132
CC1622	28651	0.	944.	0.	0.	-319.	871.	4.	106.	1.96	0.03	0.37	43.3	2.63	125.3	2	15.2	1.06 107
CC1222	28651	0.	388.	0.	0.	-13.	36.	4.	4.	1.13	0.03	0.06	20.5	1.24	112.0	2	14.5	1.01 132
CC1222	28651	0.	936.	0.	0.	-312.	868.	4.	106.	1.93	0.03	0.37	41.3	2.51	120.3	3	14.8	1.03 108
CC0822	28651	0.	387.	0.	0.	-11.	36.	4.	4.	1.14	0.03	0.06	20.7	1.25	113.3	2	14.5	1.01 132
CC0822	28651	0.	791.	0.	0.	-219.	696.	4.	85.	1.75	0.03	0.38	35.3	2.14	117.5	8	13.7	0.95 109
STIG15	28651	0.	404.	0.	0.	-28.	36.	4.	4.	1.10	0.03	0.02	20.8	1.26	110.9	0	14.9	1.04 128
STIG15	28651	0.	23846.	0.	0.	-16951.	21862.	4.	2663.	39.42	0.03	0.17	662.2	40.18	93.8	0	309.6	21.54 576
STIG10	28651	0.	400.	0.	0.	-24.	36.	4.	4.	1.09	0.03	0.03	20.6	1.25	110.4	0	14.8	1.03 129
STIG10	28651	0.	2340.	0.	0.	-1371.	2022.	4.	246.	4.22	0.03	0.22	79.0	4.79	104.6	0	35.7	2.48 116
STIG1S	28651	0.	390.	0.	0.	-23.	36.	4.	4.	1.09	0.03	0.03	20.5	1.24	110.3	0	14.7	1.02 129
STIG1S	28651	0.	1471.	0.	0.	-752.	1186.	4.	144.	2.92	0.03	0.23	50.6	3.07	101.1	0	25.0	1.74 104
DEADV3	28651	0.	394.	0.	0.	-19.	36.	4.	4.	1.19	0.03	0.04	24.7	1.50	134.1	0	15.1	1.05 127
DEADV3	28651	0.	1381.	0.	0.	-648.	1233.	4.	150.	3.56	0.03	0.30	105.4	6.39	222.5	0	27.8	1.93 109
DEHTPM	28651	0.	386.	0.	0.	-11.	36.	4.	4.	1.23	0.03	0.06	24.8	1.51	136.3	0	14.9	1.04 129
DEHTPM	28651	0.	719.	0.	0.	-177.	594.	4.	72.	2.38	0.03	0.37	60.1	3.65	215.0	0	17.0	1.18 105
DESOA3	28651	397.	0.	0.	-397.	375.	36.	4.	4.	1.17	0.03	0.04	23.9	1.45	128.8	0	17.7	1.23 131
DESOA3	28651	1628.	0.	0.	-1628.	787.	1414.	4.	172.	4.63	0.03	0.26	146.5	8.89	268.2	0	46.8	3.26 135
DESOA3	28651	0.	397.	0.	0.	-21.	36.	4.	4.	1.17	0.03	0.04	23.9	1.45	128.8	0	15.1	1.05 127
DESOA3	28651	0.	1628.	0.	0.	-841.	1414.	4.	172.	4.63	0.03	0.26	146.5	8.89	268.2	0	36.3	2.52 117
GTSOAD	28651	380.	0.	0.	-388.	375.	36.	4.	4.	1.07	0.03	0.06	20.5	1.24	112.3	0	16.9	1.18 136
GTSOAD	28651	666.	0.	0.	-666.	504.	468.	4.	57.	1.39	0.03	0.32	27.5	1.67	104.0	0	18.1	1.26 115
GTRA08	28651	389.	0.	0.	-389.	375.	36.	4.	4.	1.08	0.03	0.05	21.4	1.30	117.0	0	17.1	1.19 135
GTRA08	28651	875.	0.	0.	-875.	589.	751.	4.	92.	1.82	0.03	0.35	43.1	2.62	132.6	0	21.3	1.48 115
GTRA12	28651	389.	0.	0.	-389.	375.	36.	4.	4.	1.08	0.03	0.06	21.3	1.29	116.7	0	17.0	1.18 135
GTRA12	28651	857.	0.	0.	-857.	585.	739.	4.	90.	1.78	0.03	0.35	41.6	2.52	129.9	0	20.8	1.44 115
GTRA16	28651	389.	0.	0.	-389.	375.	36.	4.	4.	1.09	0.03	0.06	21.5	1.31	117.8	0	17.1	1.19 135
GTRA16	28651	825.	0.	0.	-825.	572.	693.	4.	84.	1.78	0.03	0.35	41.9	2.54	134.9	0	20.7	1.44 115
GTR208	28651	389.	0.	0.	-389.	375.	36.	4.	4.	1.08	0.03	0.06	21.1	1.28	115.4	0	17.0	1.18 136
GTR208	28651	751.	0.	0.	-751.	537.	578.	4.	70.	1.50	0.03	0.33	34.2	2.08	118.4	0	19.6	1.36 114
GTR212	28651	389.	0.	0.	-389.	375.	36.	4.	4.	1.08	0.03	0.06	21.2	1.29	116.1	0	17.0	1.18 135
GTR212	28651	761.	0.	0.	-761.	550.	620.	4.	76.	1.64	0.03	0.33	36.5	2.21	122.4	0	20.0	1.39 114
GTR216	28651	389.	0.	0.	-389.	375.	36.	4.	4.	1.08	0.03	0.06	21.3	1.29	116.6	0	17.0	1.18 135
GTR216	28651	783.	0.	0.	-783.	554.	635.	4.	77.	1.69	0.03	0.34	38.6	2.34	129.3	0	20.0	1.39 114

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SUMMARY OF FUEL SAVED BY TYPE & ECONOMICS

		-----------FUEL USE IN BTU*10**6-----------																	
		COGENERATION CASE			**NOCOGEN - COGEN**														
ECS	PROCS	DISTIL	RESIDL	COAL	DISTIL	RESIDL	COAL	POWER REQD MW	COGEN POWER MW	O&M	POWER /HEAT RATIO	FESR	CAPITAL COST *10**6	NORM COST	$/KW EQVL	ROI (%)	LEVL CHRG	NORM ENRG	WRTH
GTRW08	28651	393.	0.	0.	-393.	375.	36.	4.	4.	1.09	0.03	0.05	21.5	1.30	116.7	0	17.2	1.20	134
GTRW08	28651	1066.	0.	0.	-1066.	634.	900.	4.	110.	1.86	0.03	0.31	43.1	2.62	113.1	0	24.8	1.72	116
GTRW12	28651	392.	0.	0.	-392.	375.	36.	4.	4.	1.08	0.03	0.05	21.5	1.30	116.9	0	17.1	1.19	135
GTRW12	28651	1052.	0.	0.	-1052.	640.	921.	4.	112.	1.86	0.03	0.33	43.6	2.64	115.5	0	23.8	1.66	117
GTRW16	28651	391.	0.	0.	-391.	375.	36.	4.	4.	1.09	0.03	0.05	21.6	1.31	117.9	0	17.2	1.19	134
GTRW16	28651	1000.	0.	0.	-1000.	621.	859.	4.	105.	1.85	0.03	0.32	43.3	2.63	119.7	0	23.4	1.63	116
GTR308	28651	394.	0.	0.	-394.	375.	36.	4.	4.	1.08	0.03	0.04	21.2	1.28	114.7	0	17.2	1.20	134
GTR308	28651	921.	0.	0.	-921.	570.	687.	4.	84.	1.67	0.03	0.27	36.5	2.22	107.9	0	23.5	1.64	112
GTR312	28651	391.	0.	0.	-391.	375.	36.	4.	4.	1.08	0.03	0.05	21.2	1.29	115.7	0	17.1	1.19	135
GTR312	28651	918.	0.	0.	-918.	590.	756.	4.	92.	1.70	0.03	0.32	37.9	2.30	112.2	0	22.1	1.54	115
GTR316	28651	391.	0.	0.	-391.	375.	36.	4.	4.	1.09	0.03	0.05	21.4	1.30	116.8	0	17.1	1.19	135
GTR316	28651	913.	0.	0.	-913.	587.	744.	4.	91.	1.72	0.03	0.31	38.9	2.36	115.7	0	22.2	1.55	114
FCPADS	28651	396.	0.	0.	-396.	375.	36.	4.	4.	1.43	0.03	0.04	23.0	1.40	124.3	0	17.8	1.24	133
FCPADS	28651	1824.	0.	0.	-1824.	863.	1667.	4.	203.	21.50	0.03	0.28	124.1	7.53	205.6	0	62.6	4.35	166
FCMCDS	28651	391.	0.	0.	-391.	375.	36.	4.	4.	1.41	0.03	0.05	23.2	1.41	126.4	0	17.6	1.23	134
FCMCDS	28651	1330.	0.	0.	-1330.	759.	1319.	4.	161.	16.24	0.03	0.36	107.5	6.52	234.2	0	45.9	3.20	149

ECS	PROCS	FUEL USE IN BTU*10**6 **COGENERATION CASE** DISTIL	RESIDL	COAL	**NOCOGEN - COGEN** DISTIL	RESIDL	COAL		POWER REQD MW	COGEN POWER MW	O&M	POWER /HEAT RATIO	FESR	CAPITAL COST *10**6	NORM COST	$/KW EQVL	ROI (%)	LEVL CHRG	NORM ENRG	WRTH
ONOCGN	28653	0.	368.	49.	0.	0.	0.		6.	0.	0.57	0.07	0.	9.3	1.00	89.7	0	14.0	1.00	80
STM141	28653	0.	377.	0.	0.	-9.	49.		6.	6.	0.94	0.07	0.10	12.4	1.33	112.0	13	13.5	0.97	134
STM141	28653	0.	407.	0.	0.	-21.	110.		6.	13.	0.75	0.07	0.18	12.0	1.29	100.7	27	12.8	0.91	126
STM141	28653	0.	0.	377.	0.	368.	-328.	F	6.	6.	1.92	0.07	0.10	28.0	3.01	253.0	13	11.5	0.82	115
STM141	28653	0.	0.	407.	0.	386.	-297.	F	6.	13.	1.58	0.07	0.18	25.3	2.73	212.7	19	10.0	0.71	106
STM141	28653	0.	0.	377.	0.	368.	-328.	A	6.	6.	1.80	0.07	0.10	24.5	2.65	222.1	16	11.0	0.79	116
STM141	28653	0.	0.	407.	0.	386.	-297.	A	6.	13.	1.41	0.07	0.18	18.2	1.96	152.9	33	9.0	0.65	110
STM088	28653	0.	377.	0.	0.	-9.	49.		6.	6.	0.92	0.07	0.10	11.8	1.28	107.1	16	13.5	0.96	135
STM088	28653	0.	388.	0.	0.	-14.	72.		6.	9.	0.71	0.07	0.13	10.7	1.15	93.7	38	12.9	0.92	129
STM088	28653	0.	0.	377.	0.	368.	-328.	F	6.	6.	1.87	0.07	0.10	27.1	2.92	245.3	14	11.3	0.81	115
STM088	28653	0.	0.	388.	0.	374.	-316.	F	6.	9.	1.48	0.07	0.13	23.3	2.52	205.3	20	10.2	0.73	106
STM088	28653	0.	0.	377.	0.	368.	-328.	A	6.	6.	1.76	0.07	0.10	22.7	2.45	205.5	19	10.8	0.77	117
STM088	28653	0.	0.	388.	0.	374.	-316.	A	6.	9.	1.36	0.07	0.13	17.1	1.85	150.8	34	9.4	0.67	112
PFBSTM	28653	0.	0.	378.	0.	368.	-329.		6.	6.	1.99	0.07	0.09	28.1	3.03	253.1	13	11.6	0.83	115
PFBSTM	28653	0.	0.	456.	0.	413.	-256.		6.	24.	2.37	0.07	0.26	30.8	3.32	230.5	16	10.1	0.72	98
TISTMT	28653	0.	378.	0.	0.	-10.	49.		6.	6.	1.27	0.07	0.09	26.7	2.88	241.2	0	15.4	1.10	123
TISTMT	28653	0.	492.	0.	0.	-56.	275.		6.	34.	2.37	0.07	0.31	74.9	8.07	519.6	0	19.9	1.43	105
TISTMT	28653	0.	0.	378.	0.	368.	-328.		6.	6.	2.24	0.07	0.09	42.9	4.63	387.8	6	13.4	0.96	113
TISTMT	28653	0.	0.	492.	0.	435.	-216.		6.	34.	3.39	0.07	0.31	95.0	10.24	659.4	2	17.0	1.21	99
TIHRSG	28653	0.	396.	0.	0.	-28.	49.		6.	6.	1.39	0.07	0.05	34.1	3.68	294.2	0	16.8	1.20	116
TIHRSG	28653	0.	502.	0.	0.	-98.	170.		6.	21.	2.19	0.07	0.13	72.8	7.85	494.9	0	22.1	1.58	99
TIHRSG	28653	0.	0.	396.	0.	368.	-347.		6.	6.	2.42	0.07	0.05	52.0	5.61	447.9	3	14.9	1.07	108
TIHRSG	28653	0.	0.	502.	0.	404.	-332.		6.	21.	3.23	0.07	0.13	93.2	10.05	634.0	0	19.2	1.38	92
STIRL	28653	390.	0.	0.	-390.	368.	49.		6.	6.	0.92	0.07	0.06	14.2	1.53	124.4	0	16.7	1.19	133
STIRL	28653	589.	0.	0.	-589.	446.	310.		6.	38.	1.25	0.07	0.22	31.3	3.38	181.4	0	20.1	1.44	101
STIRL	28653	0.	390.	0.	0.	-23.	49.		6.	6.	0.92	0.07	0.06	14.2	1.54	124.5	3	14.1	1.01	128
STIRL	28653	0.	589.	0.	0.	-143.	310.		6.	38.	1.25	0.07	0.22	31.4	3.38	181.7	0	16.1	1.15	94
STIRL	28653	0.	0.	390.	0.	368.	-341.		6.	6.	1.83	0.07	0.06	28.5	3.08	249.5	13	11.6	0.83	111
STIRL	28653	0.	0.	589.	0.	446.	-278.		6.	38.	2.43	0.07	0.22	54.7	5.89	316.7	7	12.4	0.89	81
HEGT60	28653	0.	0.	418.	0.	368.	-369.	A	6.	6.	1.92	0.07	-0.00	35.7	3.85	291.5	7	13.0	0.93	102
HEGT60	28653	0.	0.	1999.	0.	725.	-753.	A	6.	152.	6.92	0.07	-0.01	173.2	18.67	295.6	0	32.7	2.34	75
HEGT00	28653	0.	0.	406.	0.	368.	-357.	A	6.	6.	1.90	0.07	0.03	34.5	3.72	290.4	8	12.7	0.91	106
HEGT00	28653	0.	0.	648.	0.	435.	-373.	A	6.	33.	2.61	0.07	0.09	61.8	6.66	325.4	2	15.3	1.10	71
FCMCCL	28653	0.	0.	383.	0.	368.	-334.		6.	6.	2.00	0.07	0.08	35.2	3.80	313.7	9	12.5	0.90	112
FCMCCL	28653	0.	0.	638.	0.	492.	-171.		6.	57.	3.87	0.07	0.33	71.3	7.69	381.5	6	13.2	0.94	90
FCSTCL	28653	0.	0.	382.	0.	368.	-332.		6.	6.	2.03	0.07	0.08	34.6	3.73	309.3	9	12.5	0.89	112
FCSTCL	28653	0.	0.	727.	0.	544.	-86.		6.	78.	4.52	0.07	0.39	82.3	8.87	386.3	6	12.6	0.90	93
IGGTST	28653	0.	0.	390.	0.	368.	-340.		6.	6.	1.98	0.07	0.07	34.1	3.68	298.6	9	12.5	0.89	110
IGGTST	28653	0.	0.	677.	0.	483.	-242.		6.	53.	2.38	0.07	0.26	63.9	6.89	322.0	7	12.3	0.88	80
GTSOAR	28653	0.	392.	0.	0.	-24.	49.		6.	6.	0.87	0.07	0.06	14.3	1.54	124.6	3	14.1	1.01	128
GTSOAR	28653	0.	784.	0.	0.	-268.	547.		6.	67.	1.12	0.07	0.26	27.6	2.97	120.0	0	15.9	1.14	95
GTAC08	28653	0.	383.	0.	0.	-15.	49.		6.	6.	0.85	0.07	0.08	13.7	1.48	122.5	9	13.7	0.98	131
GTAC08	28653	0.	582.	0.	0.	-116.	378.		6.	46.	0.89	0.07	0.31	20.0	2.15	117.2	12	12.8	0.91	104

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SUMMARY OF FUEL SAVED BY TYPE & ECONOMICS

ECS	PROCS	FUEL USE IN BTU*10**6 — **COGENERATION CASE** DISTIL	RESIDL	COAL	**NOCOGEN - COGEN** DISTIL	RESIDL	COAL	POWER REQD MW	COGEN POWER MW	O&M	POWER /HEAT RATIO	FESR	CAPITAL COST *10**6	NORM COST	$/KW EQVL	ROI (%)	LEVL CHRG	NORM ENRG	WRTH
GTAC12	28653	0.	383.	0.	0.	-16.	49.	6.	6.	0.85	0.07	0.08	13.7	1.48	122.1	9	13.7	0.98	130
GTAC12	28653	0.	647.	0.	0.	-152.	475.	6.	58.	1.00	0.07	0.33	23.8	2.57	125.6	10	13.0	0.93	101
GTAC16	28653	0.	385.	0.	0.	-17.	49.	6.	6.	0.85	0.07	0.08	13.9	1.50	123.2	8	13.8	0.99	130
GTAC16	28653	0.	713.	0.	0.	-195.	554.	6.	68.	1.11	0.07	0.34	27.7	2.99	132.6	6	13.7	0.98	100
GTWC16	28653	0.	387.	0.	0.	-19.	49.	6.	6.	0.86	0.07	0.07	14.2	1.53	125.1	6	13.9	0.99	129
GTWC16	28653	0.	740.	0.	0.	-219.	561.	6.	68.	1.08	0.07	0.32	26.3	2.84	121.3	4	14.1	1.01	99
CC1626	28653	0.	388.	0.	0.	-20.	49.	6.	6.	0.93	0.07	0.07	14.0	1.51	122.9	4	14.0	1.00	129
CC1626	28653	0.	928.	0.	0.	-332.	814.	6.	99.	1.43	0.07	0.34	33.4	3.60	122.9	0	15.1	1.08	100
CC1622	28653	0.	386.	0.	0.	-19.	49.	6.	6.	0.92	0.07	0.07	13.7	1.48	121.2	5	13.9	1.00	130
CC1622	28653	0.	847.	0.	0.	-276.	730.	6.	89.	1.39	0.07	0.35	33.2	3.58	133.7	3	14.5	1.04	100
CC1222	28653	0.	386.	0.	0.	-18.	49.	6.	6.	0.92	0.07	0.07	13.5	1.46	119.5	6	13.9	0.99	130
CC1222	28653	0.	839.	0.	0.	-270.	725.	6.	88.	1.36	0.07	0.35	31.4	3.39	127.7	4	14.2	1.02	100
CC0822	28653	0.	384.	0.	0.	-16.	49.	6.	6.	0.93	0.07	0.08	13.7	1.48	122.0	7	13.9	0.99	131
CC0822	28653	0.	709.	0.	0.	-186.	570.	6.	69.	1.20	0.07	0.35	26.0	2.81	125.2	8	13.2	0.94	102
DEHTPM	28653	0.	390.	0.	0.	-22.	49.	6.	6.	1.04	0.07	0.06	18.1	1.95	158.3	0	14.8	1.04	124
DEHTPM	28653	0.	695.	0.	0.	-207.	455.	6.	55.	1.89	0.07	0.26	52.6	5.67	258.3	0	18.8	1.35	93
GTSOAD	28653	386.	0.	0.	-386.	360.	49.	6.	6.	0.84	0.07	0.07	13.5	1.45	119.1	0	16.4	1.17	135
GTSOAD	28653	662.	0.	0.	-662.	492.	465.	6.	57.	0.93	0.07	0.31	21.2	2.29	109.4	0	17.8	1.27	109
GTRA09	28653	392.	0.	0.	-392.	368.	49.	6.	6.	0.86	0.07	0.06	14.4	1.56	125.7	0	16.7	1.20	132
GTRA09	28653	1094.	0.	0.	-1094.	634.	940.	6.	115.	1.55	0.07	0.30	42.8	4.62	133.5	0	25.5	1.83	111
GTRA12	28653	390.	0.	0.	-390.	368.	49.	6.	6.	0.86	0.07	0.06	14.4	1.55	125.9	0	16.7	1.19	132
GTRA12	28653	1018.	0.	0.	-1018.	615.	877.	6.	107.	1.47	0.07	0.32	40.0	4.32	134.1	0	23.8	1.71	110
GTRA16	28653	390.	0.	0.	-390.	368.	49.	6.	6.	0.87	0.07	0.07	14.7	1.58	128.5	0	16.7	1.19	132
GTRA16	28653	943.	0.	0.	-943.	589.	792.	6.	96.	1.44	0.07	0.32	39.3	4.23	142.2	0	22.9	1.64	109
GTR208	28653	389.	0.	0.	-389.	368.	49.	6.	6.	0.86	0.07	0.07	14.1	1.52	123.9	0	16.6	1.19	133
GTR208	28653	811.	0.	0.	-811.	539.	624.	6.	76.	1.17	0.07	0.30	29.6	3.19	124.5	0	20.7	1.48	107
GTR212	28653	389.	0.	0.	-389.	368.	49.	6.	6.	0.86	0.07	0.07	14.3	1.54	125.3	0	16.6	1.19	133
GTR212	28653	845.	0.	0.	-845.	553.	671.	6.	82.	1.24	0.07	0.31	32.0	3.45	129.2	0	21.2	1.51	107
GTR216	28653	389.	0.	0.	-389.	368.	49.	6.	6.	0.86	0.07	0.07	14.4	1.55	126.5	0	16.6	1.19	133
GTR216	28653	853.	0.	0.	-853.	560.	692.	6.	84.	1.30	0.07	0.32	34.4	3.71	137.8	0	21.3	1.53	108
GTRW08	28653	395.	0.	0.	-395.	368.	49.	6.	6.	0.86	0.07	0.05	14.5	1.57	125.3	0	16.9	1.21	131
GTRW08	28653	1294.	0.	0.	-1294.	679.	1093.	6.	133.	1.57	0.07	0.27	42.1	4.54	111.0	0	29.3	2.09	113
GTRW12	28653	393.	0.	0.	-393.	368.	49.	6.	6.	0.86	0.07	0.06	14.5	1.57	126.1	0	16.8	1.20	132
GTRW12	28653	1218.	0.	0.	-1218.	672.	1067.	6.	130.	1.54	0.07	0.30	41.3	4.45	115.7	0	27.0	1.93	113
GTRW16	28653	392.	0.	0.	-392.	368.	49.	6.	6.	0.87	0.07	0.06	14.7	1.59	128.3	0	16.8	1.20	132
GTRW16	28653	1108.	0.	0.	-1108.	637.	952.	6.	116.	1.48	0.07	0.30	39.8	4.29	122.7	0	25.4	1.82	111
GTR308	28653	397.	0.	0.	-397.	368.	49.	6.	6.	0.86	0.07	0.05	14.2	1.53	122.0	0	16.9	1.21	131
GTR308	28653	1077.	0.	0.	-1077.	593.	803.	6.	98.	1.32	0.07	0.23	33.7	3.63	106.7	0	26.6	1.92	107
GTR312	28653	391.	0.	0.	-391.	368.	49.	6.	6.	0.86	0.07	0.06	14.3	1.54	124.7	0	16.8	1.19	133
GTR312	28653	951.	0.	0.	-951.	587.	783.	6.	95.	1.28	0.07	0.31	32.6	3.51	116.9	0	22.6	1.62	109
GTR316	28653	391.	0.	0.	-391.	368.	49.	6.	6.	0.86	0.07	0.06	14.5	1.56	126.7	0	16.7	1.19	132
GTR316	28653	942.	0.	0.	-942.	583.	769.	6.	94.	1.30	0.07	0.30	33.5	3.61	121.4	0	22.7	1.62	108
FCPADS	28653	396.	0.	0.	-396.	368.	49.	6.	6.	1.35	0.07	0.05	15.3	1.65	131.7	0	17.4	1.25	131
FCPADS	28653	1765.	0.	0.	-1765.	835.	1614.	6.	197.	21.02	0.07	0.28	113.7	12.26	219.9	0	61.5	4.40	164

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SUMMARY OF FUEL SAVED BY TYPE & ECONOMICS

		FUEL USE IN BTU*10**6																
		COGENERATION CASE			**NOCOGEN - COGEN**			POWER	COGEN	O&M	POWER	FESR	CAPITAL	NORM	$/KW	ROI	LEVL	NORM	WRTH
ECS	PROCS	DISTIL	RESIDL	COAL	DISTIL	RESIDL	COAL	REQD MW	POWER MW		/HEAT RATIO		COST *10**6	COST	EQVL	(%)	CHRG	ENRG	
FCMCDS	28653	389.	0.	0.	-389.	368.	49.	6.	6.	1.31	0.07	0.07	15.6	1.68	136.4	0	17.2	1.23	132
FCMCDS	28653	1288.	0.	0.	-1288.	734.	1276.	6.	155.	15.76	0.07	0.36	97.8	10.55	259.3	0	44.9	3.21	146

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ECS	PROCS	FUEL USE IN BTU*10**6 DISTIL	RESIDL	COAL	DISTIL	RESIDL	COAL		POWER REQD MW	COGEN POWER MW	O&M	POWER /HEAT RATIO	FESR	CAPITAL COST *10**6	NORM COST	$/KW EQVL	ROI (%)	LEVL CHRG	NORM ENRG	WRTH
		COGENERATION CASE			**NOCOGEN - COGEN**															
ONOCGN	28654	0.	261.	6.	0.	0.	0.		1.	0.	0.47	0.01	0.	6.5	1.00	85.7	0	8.8	1.00	80
STM141	28654	0.	262.	0.	0.	-1.	6.		1.	1.	0.72	0.01	0.02	8.4	1.29	109.0	0	9.1	1.04	127
STM141	28654	0.	278.	0.	0.	-8.	40.		1.	5.	0.62	0.01	0.10	8.6	1.32	105.5	5	8.8	1.00	92
STM141	28654	0.	0.	262.	0.	261.	-256.	F	1.	1.	1.46	0.01	0.02	19.8	3.04	257.9	9	8.0	0.90	107
STM141	28654	0.	0.	278.	0.	271.	-239.	F	1.	5.	1.24	0.01	0.10	18.6	2.87	228.6	14	7.1	0.81	72
STM141	28654	0.	0.	262.	0.	261.	-256.	A	1.	1.	1.40	0.01	0.02	19.1	2.94	249.5	10	7.8	0.89	107
STM141	28654	0.	0.	278.	0.	271.	-239.	A	1.	5.	1.10	0.01	0.10	13.6	2.09	166.4	23	6.5	0.73	75
PFBSTM	28654	0.	0.	262.	0.	261.	-256.		1.	1.	1.35	0.01	0.02	18.8	2.89	244.7	11	7.8	0.88	107
PFBSTM	28654	0.	0.	314.	0.	290.	-211.		1.	13.	1.77	0.01	0.20	23.2	3.58	252.6	11	7.4	0.84	76
TISTMT	28654	0.	262.	0.	0.	-1.	6.		1.	1.	0.72	0.01	0.02	10.4	1.59	135.1	0	9.4	1.06	123
TISTMT	28654	0.	336.	0.	0.	-32.	152.		1.	19.	1.83	0.01	0.26	55.5	8.54	563.5	0	14.2	1.62	95
TISTMT	28654	0.	0.	262.	0.	261.	-256.		1.	1.	1.41	0.01	0.02	21.2	3.26	276.0	9	8.1	0.92	106
TISTMT	28654	0.	0.	336.	0.	304.	-184.		1.	19.	2.60	0.01	0.26	70.8	10.89	718.9	0	12.6	1.43	89
TIHRSG	28654	0.	264.	0.	0.	-3.	6.		1.	1.	0.69	0.01	0.01	11.3	1.74	146.0	0	9.5	1.07	120
TIHRSG	28654	0.	368.	0.	0.	-72.	125.		1.	15.	1.77	0.01	0.13	57.7	8.88	535.0	0	15.8	1.79	82
TIHRSG	28654	0.	0.	264.	0.	261.	-258.		1.	1.	1.38	0.01	0.01	22.4	3.44	289.4	8	8.2	0.93	105
TIHRSG	28654	0.	0.	368.	0.	296.	-243.		1.	15.	2.60	0.01	0.13	74.0	11.39	686.5	0	14.1	1.60	76
STIRL	28654	263.	0.	0.	-263.	261.	6.		1.	1.	0.64	0.01	0.01	9.0	1.39	116.8	0	10.9	1.23	130
STIRL	28654	432.	0.	0.	-432.	327.	228.		1.	28.	1.00	0.01	0.22	23.2	3.58	183.7	0	13.7	1.56	97
STIRL	28654	0.	263.	0.	0.	-3.	6.		1.	1.	0.64	0.01	0.01	9.0	1.39	116.8	0	9.2	1.04	125
STIRL	28654	0.	432.	0.	0.	-105.	228.		1.	28.	1.00	0.01	0.22	23.3	3.58	184.0	0	10.9	1.24	89
STIRL	28654	0.	0.	263.	0.	261.	-257.		1.	1.	1.30	0.01	0.01	19.4	2.99	252.0	11	7.7	0.88	106
STIRL	28654	0.	0.	432.	0.	327.	-204.		1.	28.	1.91	0.01	0.22	41.2	6.34	325.4	5	8.5	0.97	76
HEGT60	28654	0.	0.	266.	0.	261.	-261.	A	1.	1.	1.23	0.01	-0.00	19.0	2.92	243.1	11	7.7	0.88	105
HEGT60	28654	0.	0.	1466.	0.	532.	-552.	A	1.	111.	5.43	0.01	-0.01	139.1	21.40	323.7	0	24.8	2.81	86
HEGT00	28654	0.	0.	265.	0.	261.	-259.	A	1.	1.	1.23	0.01	0.00	18.9	2.90	242.9	11	7.7	0.87	106
HEGT00	28654	0.	0.	475.	0.	319.	-274.	A	1.	25.	2.07	0.01	0.09	49.6	7.63	356.3	0	11.0	1.25	65
FCMCCL	28654	0.	0.	262.	0.	261.	-257.		1.	1.	1.31	0.01	0.01	21.5	3.31	279.7	8	8.1	0.92	106
FCMCCL	28654	0.	0.	468.	0.	361.	-126.		1.	42.	3.00	0.01	0.33	57.0	8.77	415.8	4	9.6	1.09	91
FCSTCL	28654	0.	0.	262.	0.	261.	-256.		1.	1.	1.35	0.01	0.02	21.4	3.29	278.7	8	8.1	0.92	106
FCSTCL	28654	0.	0.	498.	0.	380.	-93.		1.	49.	3.31	0.01	0.36	61.6	9.48	421.7	4	9.6	1.09	94
IGGTST	28654	0.	0.	263.	0.	261.	-258.		1.	1.	1.38	0.01	0.01	20.8	3.19	269.0	8	8.1	0.92	106
IGGTST	28654	0.	0.	463.	0.	337.	-201.		1.	32.	1.91	0.01	0.23	48.4	7.45	356.6	4	9.3	1.06	77
GTSOAR	28654	0.	263.	0.	0.	-3.	6.		1.	1.	0.60	0.01	0.01	8.3	1.28	107.6	0	9.0	1.03	126
GTSOAR	28654	0.	575.	0.	0.	-196.	401.		1.	49.	0.93	0.01	0.26	21.9	3.37	130.1	0	11.5	1.25	95
GTAC08	28654	0.	262.	0.	0.	-2.	6.		1.	1.	0.59	0.01	0.01	8.2	1.26	106.4	0	9.0	1.02	127
GTAC08	28654	0.	427.	0.	0.	-85.	277.		1.	34.	0.74	0.01	0.31	15.9	2.44	127.0	6	8.6	0.98	99
GTAC12	28654	0.	262.	0.	0.	-2.	6.		1.	1.	0.59	0.01	0.01	8.1	1.25	105.6	0	9.0	1.02	127
GTAC12	28654	0.	475.	0.	0.	-112.	348.		1.	42.	0.83	0.01	0.33	18.8	2.89	134.9	5	8.8	1.00	100
GTAC16	28654	0.	263.	0.	0.	-2.	6.		1.	1.	0.59	0.01	0.01	8.1	1.25	105.7	0	9.0	1.02	127
GTAC16	28654	0.	523.	0.	0.	-143.	406.		1.	50.	0.92	0.01	0.34	21.8	3.35	142.1	1	9.3	1.06	93
GTWC16	28654	0.	263.	0.	0.	-2.	6.		1.	1.	0.59	0.01	0.01	8.3	1.27	107.5	0	9.0	1.02	126
GTWC16	28654	0.	542.	0.	0.	-161.	411.		1.	50.	0.90	0.01	0.32	21.0	3.23	132.3	0	9.7	1.10	98

ECS	PROCS	FUEL USE IN BTU*10**6 DISTIL	RESIDL	COAL	NOCOGEN - COGEN DISTIL	RESIDL	COAL	POWER REQD MW	COGEN POWER MW	O&M	POWER /HEAT RATIO	FESR	CAPITAL COST *10**6	NORM COST	$/KW EQVL	ROI (%)	LEVL CHRG	NORM ENRG	WRTH
		COGENERATION CASE			**NOCOGEN - COGEN**														
DENTPM	28654	0.	263.	0.	0.	-3.	6.	1.	1.	0.66	0.01	0.01	9.3	1.43	120.4	0	9.2	1.04	124
DENTPM	28654	0.	510.	0.	0.	-151.	334.	1.	41.	1.49	0.01	0.26	38.9	5.98	260.2	0	13.0	1.47	94
GTSOAD	28654	263.	0.	0.	-263.	261.	6.	1.	1.	0.59	0.01	0.01	8.1	1.25	105.2	0	10.7	1.21	132
GTSOAD	28654	485.	0.	0.	-485.	361.	341.	1.	42.	0.78	0.01	0.31	16.8	2.59	118.3	0	12.2	1.39	108
GTRA08	28654	263.	0.	0.	-263.	261.	6.	1.	1.	0.59	0.01	0.01	8.3	1.28	107.9	0	10.7	1.22	131
GTRA08	28654	803.	0.	0.	-803.	465.	689.	1.	84.	1.28	0.01	0.30	34.0	5.24	144.7	0	18.0	2.04	115
GTRA12	28654	263.	0.	0.	-263.	261.	6.	1.	1.	0.59	0.01	0.01	8.3	1.27	107.1	0	10.7	1.22	131
GTRA12	28654	747.	0.	0.	-747.	451.	643.	1.	78.	1.21	0.01	0.32	31.6	4.86	144.3	0	16.7	1.89	113
GTRA16	28654	263.	0.	0.	-263.	261.	6.	1.	1.	0.59	0.01	0.01	8.3	1.28	108.0	0	10.7	1.22	131
GTRA16	28654	691.	0.	0.	-691.	422.	580.	1.	71.	1.19	0.01	0.32	31.0	4.77	153.2	0	16.0	1.82	112
GTR208	28654	263.	0.	0.	-263.	261.	6.	1.	1.	0.59	0.01	0.01	8.2	1.27	106.9	0	10.7	1.22	131
GTR208	28654	595.	0.	0.	-595.	396.	458.	1.	56.	0.97	0.01	0.30	23.4	3.60	134.4	0	14.3	1.63	109
GTR212	28654	263.	0.	0.	-263.	261.	6.	1.	1.	0.59	0.01	0.01	8.3	1.27	107.2	0	10.7	1.22	131
GTR212	28654	619.	0.	0.	-619.	406.	492.	1.	60.	1.03	0.01	0.31	25.3	3.89	139.5	0	14.7	1.67	109
GTR216	28654	263.	0.	0.	-263.	261.	6.	1.	1.	0.59	0.01	0.01	8.3	1.27	107.3	0	10.7	1.22	131
GTR216	28654	626.	0.	0.	-626.	410.	507.	1.	62.	1.08	0.01	0.32	27.2	4.18	148.2	0	14.8	1.68	110
GTRW08	28654	264.	0.	0.	-264.	261.	6.	1.	1.	0.59	0.01	0.01	8.3	1.28	108.0	0	10.8	1.22	131
GTRW08	28654	949.	0.	0.	-949.	498.	801.	1.	98.	1.30	0.01	0.27	33.7	5.18	121.0	0	20.8	2.34	118
GTRW12	28654	263.	0.	0.	-263.	261.	6.	1.	1.	0.59	0.01	0.01	8.4	1.28	108.1	0	10.8	1.22	131
GTRW12	28654	893.	0.	0.	-893.	492.	782.	1.	95.	1.28	0.01	0.30	33.0	5.08	126.2	0	19.0	2.15	117
GTRW16	28654	263.	0.	0.	-263.	261.	6.	1.	1.	0.59	0.01	0.01	8.4	1.29	109.0	0	10.8	1.22	131
GTRW16	28654	813.	0.	0.	-813.	467.	698.	1.	85.	1.23	0.01	0.30	31.9	4.91	134.0	0	17.8	2.03	115
GTR308	28654	264.	0.	0.	-264.	261.	6.	1.	1.	0.59	0.01	0.01	8.2	1.27	106.5	0	10.8	1.22	131
GTR308	28654	790.	0.	0.	-790.	435.	589.	1.	72.	1.10	0.01	0.23	26.8	4.13	116.0	0	18.8	2.13	110
GTR312	28654	263.	0.	0.	-263.	261.	6.	1.	1.	0.59	0.01	0.01	8.3	1.28	107.7	0	10.7	1.22	131
GTR312	28654	698.	0.	0.	-698.	430.	574.	1.	70.	1.06	0.01	0.31	26.0	4.00	127.3	0	15.8	1.79	112
GTR316	28654	263.	0.	0.	-263.	261.	6.	1.	1.	0.59	0.01	0.01	8.4	1.29	108.4	0	10.7	1.22	131
GTR316	28654	691.	0.	0.	-691.	427.	564.	1.	69.	1.08	0.01	0.30	26.8	4.13	132.4	0	15.9	1.80	111
FCPADS	28654	264.	0.	0.	-264.	261.	6.	1.	1.	0.62	0.01	0.01	9.0	1.38	116.1	0	10.9	1.23	129
FCPADS	28654	1294.	0.	0.	-1294.	612.	1183.	1.	144.	15.00	0.01	0.28	84.3	12.96	222.2	0	43.3	4.92	177
FCNCDS	28654	263.	0.	0.	-263.	261.	6.	1.	1.	0.62	0.01	0.01	9.0	1.39	116.8	0	10.8	1.23	130
FCNCDS	28654	944.	0.	0.	-944.	538.	936.	1.	114.	11.26	0.01	0.36	72.3	11.13	261.4	0	31.5	3.58	154

DATE 05/08/78
I&SE-PEO-ADV-DES-ENGR

GENERAL ELECTRIC COMPANY
COGENERATION TECHNOLOGY ALTERNATIVES STUDY
REPORT 5.2
SUMMARY OF FUEL SAVED BY TYPE & ECONOMICS

ECS	PROCS	**COGENERATION CASE** DISTIL	RESIDL	COAL	**NOCOGEN - COGEN** DISTIL	RESIDL	COAL		POWER REQD MW	COGEN POWER MW	O&M	POWER /HEAT RATIO	FESR	CAPITAL COST *10**6	NORM COST	$/KW EQVL	ROI (%)	LEVL CHRG	NORM ENRG	WRTH
		----------FUEL USE IN BTU*10**6----------																		
GNOCGN	28691	0.	4.	12.	0.	0.	0.		2.	0.	0.38	0.04	0.	4.7	1.00	102.2	0	1.3	1.00	80
PFBSTM	28691	0.	0.	0.	0.	4.	12.		2.	2.	1.24	0.04	1.00	15.9	3.39	332.5	0	3.0	2.23	262
PFDSTM	28691	0.	0.	0.	0.	15.	49.		2.	6.	1.24	0.04	1.00	16.0	3.42	297.1	0	2.1	1.62	214
TIHRSG	28691	0.	0.	0.	0.	4.	12.		2.	2.	1.32	0.04	1.00	23.3	4.96	469.7	0	3.8	2.89	273
TIHRSG	28691	0.	0.	0.	0.	24.	81.		2.	10.	1.94	0.04	1.00	53.8	11.47	767.7	0	6.2	4.70	269
HEGTOO	28691	0.	0.	0.	0.	4.	12.	A	2.	2.	1.09	0.04	1.00	17.1	3.65	342.9	0	2.9	2.21	260
HEGTOO	28691	0.	0.	0.	0.	37.	125.	A	2.	15.	1.49	0.04	1.00	35.5	7.57	409.4	0	2.8	2.13	202
FCMCCL	28691	0.	0.	284.	0.	62.	-76.		2.	25.	2.06	0.04	-0.05	39.9	8.51	478.4	0	6.9	5.17	144
GTSOAR	28691	0.	18	0.	0.	-14.	12.		2.	2.	0.54	0.04	-0.10	6.8	1.45	138.9	0	1.8	1.33	116
GTAC08	28691	0.	19.	0.	0.	-15.	12.		2.	2.	0.53	0.04	-0.19	6.5	1.39	135.2	0	1.8	1.32	107
GTAC12	28691	0.	17.	0.	0.	-13.	12.		2.	2.	0.52	0.04	-0.05	6.4	1.37	134.0	0	1.7	1.27	123
GTAC16	28691	0.	16.	0.	0.	-12.	12.		2.	2.	0.52	0.04	0.01	6.5	1.38	134.4	0	1.7	1.25	130
GTWC16	28691	0.	16.	0.	0.	-13.	12.		2.	2.	0.53	0.04	-0.02	6.7	1.43	138.3	0	1.7	1.28	127
GTSOAD	28691	18.	0.	0.	-18.	4.	12.		2.	2.	0.52	0.04	-0.10	6.4	1.36	132.2	0	1.8	1.37	120
GTRA08	28691	14.	0.	0.	-14.	4.	12.		2.	2.	0.53	0.04	0.10	6.8	1.45	139.1	0	1.8	1.32	142
GTRA12	28691	14.	0.	0.	-14.	4.	12.		2.	2.	0.53	0.04	0.11	6.7	1.44	138.3	0	1.7	1.31	142
GTRA16	28691	15.	0.	0.	-15.	4.	12.		2.	2.	0.53	0.04	0.08	6.9	1.46	140.9	0	1.8	1.33	140
GTR208	28691	16.	0.	0.	-16.	4.	12.		2.	2.	0.53	0.04	-0.00	6.7	1.43	137.8	0	1.8	1.36	130
GTR212	28691	16.	0.	0.	-16.	4.	12.		2.	2.	0.53	0.04	0.03	6.8	1.44	138.9	0	1.8	1.35	134
GTR216	28691	15.	0.	0.	-15.	4.	12.		2.	2.	0.53	0.04	0.05	6.8	1.45	139.4	0	1.8	1.34	136
GTRW08	28691	15.	0.	0.	-15.	4.	12.		2.	2.	0.53	0.04	0.09	6.9	1.47	139.7	0	1.8	1.33	140
GTRW12	28691	14.	0.	0.	-14.	4.	12.		2.	2.	0.53	0.04	0.12	6.9	1.47	140.6	0	1.8	1.32	144
GTRW16	28691	14.	0.	0.	-14.	4.	12.		2.	2.	0.53	0.04	0.10	7.0	1.49	143.0	0	1.8	1.34	142
GTR308	28691	17.	0.	0.	-17.	4.	12.		2.	2.	0.53	0.04	-0.03	6.7	1.42	135.0	0	1.8	1.37	127
GTR312	28691	15.	0.	0.	-15.	4.	12.		2.	2.	0.53	0.04	0.06	6.8	1.45	139.9	0	1.8	1.34	138
GTR316	28691	15.	0.	0.	-15.	4.	12.		2.	2.	0.53	0.04	0.06	6.9	1.47	141.9	0	1.8	1.35	137
FCPADS	28691	13.	0.	0.	-13.	4.	12.		2.	2.	0.62	0.04	0.16	7.0	1.49	142.2	0	1.8	1.37	150
FCHCDS	28691	12.	0.	0.	-12.	4.	12.		2.	2.	0.60	0.04	0.22	7.0	1.50	145.0	0	1.8	1.34	157

ECS	PROCS	FUEL USE IN BTU*10**6 — **COGENERATION CASE** DISTIL	RESIDL	COAL	**NOCOGEN - COGEN** DISTIL	RESIDL	COAL	POWER REQD MW	COGEN POWER MW	O&M	POWER /HEAT RATIO	FESR	CAPITAL COST *10**6	NORM COST	$/KW EQVL	ROI (%)	LEVL CHRG	NORM ENRG	WRTH
ONOCGN	28692	0.	190.	47.	0.	0.	0.	6.	0.	0.40	0.13	0.	5.1	1.00	98.0	0	7.7	1.00	80
PFBSTM	28692	0.	2.	207.	0.	188.	-161.	6.	5.	1.29	0.13	0.12	16.2	3.19	276.5	11	6.7	0.86	107
TIHRSG	28692	0.	226.	0.	0.	-36.	47.	6.	6.	1.21	0.13	0.05	30.6	6.03	461.0	0	10.3	1.41	115
TIHRSG	28692	0.	276.	0.	0.	-72.	93.	6.	11.	1.46	0.13	0.07	46.5	9.18	575.5	0	13.3	1.71	107
TIHRSG	28692	0.	0.	226.	0.	190.	-180.	6.	6.	1.95	0.13	0.05	43.4	8.56	654.0	0	10.4	1.35	111
TIHRSG	28692	0.	0.	276.	0.	204.	-183.	6.	11.	2.14	0.13	0.07	59.8	11.80	739.5	0	12.2	1.57	102
HEGT00	28692	0.	0.	229.	0.	190.	-182. A	6.	6.	1.46	0.13	0.04	26.8	5.28	399.1	3	8.2	1.06	106
HEGT00	28692	0.	0.	336.	0.	219.	-194. A	6.	17.	1.63	0.13	0.07	38.8	7.66	394.3	0	9.3	1.20	86
FCMCCL	28692	0.	0.	205.	0.	190.	-159.	6.	6.	1.52	0.13	0.13	25.8	5.10	429.2	5	7.8	1.01	113
FCMCCL	28692	0.	0.	321.	0.	247.	-86.	6.	29.	2.25	0.13	0.33	43.5	8.59	462.1	4	8.3	1.07	102
GTSOAR	28692	0.	217.	0.	0.	-26.	47.	6.	6.	0.67	0.13	0.09	9.4	1.86	148.3	1	7.9	1.02	127
GTSOAR	28692	0.	444.	0.	0.	-175.	310.	6.	38.	0.80	0.13	0.23	17.9	3.53	137.6	0	9.6	1.24	96
GTAC08	28692	0.	205.	0.	0.	-15.	47.	6.	6.	0.65	0.13	0.14	8.7	1.72	145.0	10	7.5	0.96	134
GTAC08	28692	0.	293.	0.	0.	-59.	190.	6.	23.	0.60	0.13	0.31	11.9	2.36	139.3	11	7.1	0.92	115
GTAC12	28692	0.	205.	0.	0.	-15.	47.	6.	6.	0.64	0.13	0.14	8.7	1.72	145.3	10	7.5	0.96	134
GTAC12	28692	0.	319.	0.	0.	-73.	234.	6.	29.	0.66	0.13	0.34	13.8	2.73	147.7	10	7.1	0.92	111
GTAC16	28692	0.	207.	0.	0.	-17.	47.	6.	6.	0.65	0.13	0.13	8.9	1.76	146.7	9	7.5	0.98	132
GTAC16	28692	0.	361.	0.	0.	-101.	281.	6.	34.	0.73	0.13	0.33	16.3	3.21	153.7	6	7.6	0.99	106
GTWC16	28692	0.	209.	0.	0.	-18.	47.	6.	6.	0.66	0.13	0.12	9.2	1.82	150.5	7	7.6	0.99	131
GTWC16	28692	0.	369.	0.	0.	-109.	280.	6.	34.	0.73	0.13	0.32	15.9	3.14	146.9	4	7.8	1.01	105
GTSOAD	28692	207.	0.	0.	-207.	190.	47.	6.	6.	0.64	0.13	0.13	8.5	1.67	139.5	0	8.8	1.14	137
GTSOAD	28692	330.	0.	0.	-330.	246.	232.	6.	28.	0.63	0.13	0.31	12.6	2.48	130.0	0	9.5	1.22	117
GTRA08	28692	218.	0.	0.	-218.	190.	47.	6.	6.	0.67	0.13	0.08	9.5	1.88	149.2	0	9.4	1.21	131
GTRA08	28692	741.	0.	0.	-741.	367.	636.	6.	78.	1.16	0.13	0.26	29.7	5.86	136.8	0	17.3	2.24	113
GTRA12	28692	216.	0.	0.	-216.	190.	47.	6.	6.	0.67	0.13	0.09	9.5	1.88	150.5	0	9.3	1.20	132
GTRA12	28692	635.	0.	0.	-635.	340.	547.	6.	67.	1.09	0.13	0.28	27.5	5.43	147.8	0	15.2	1.97	111
GTRA16	28692	215.	0.	0.	-215.	190.	47.	6.	6.	0.67	0.13	0.10	9.8	1.93	155.6	0	9.3	1.20	132
GTRA16	28692	556.	0.	0.	-556.	316.	467.	6.	57.	1.03	0.13	0.29	26.0	5.14	159.6	0	14.0	1.81	109
GTR208	28692	213.	0.	0.	-213.	190.	47.	6.	6.	0.66	0.13	0.10	9.3	1.83	148.3	0	9.1	1.18	134
GTR208	28692	444.	0.	0.	-444.	279.	342.	6.	42.	0.82	0.13	0.25	18.6	3.68	143.3	0	11.9	1.53	108
GTR212	28692	213.	0.	0.	-213.	190.	47.	6.	6.	0.66	0.13	0.10	9.4	1.86	150.8	0	9.2	1.18	133
GTR212	28692	465.	0.	0.	-465.	287.	369.	6.	45.	0.86	0.13	0.29	20.2	3.99	148.6	0	12.2	1.58	108
GTR216	28692	213.	0.	0.	-213.	190.	47.	6.	6.	0.67	0.13	0.10	9.5	1.88	152.9	0	9.2	1.18	133
GTR216	28692	474.	0.	0.	-474.	291.	384.	6.	47.	0.90	0.13	0.30	21.8	4.30	157.0	0	12.4	1.60	108
GTRW08	28692	220.	0.	0.	-220.	190.	47.	6.	6.	0.67	0.13	0.07	9.6	1.90	149.5	0	9.4	1.22	130
GTRW08	28692	834.	0.	0.	-834.	387.	705.	6.	86.	1.19	0.13	0.24	30.2	5.96	123.6	0	19.2	2.48	116
GTRW12	28692	217.	0.	0.	-217.	190.	47.	6.	6.	0.67	0.13	0.09	9.7	1.91	151.9	0	9.3	1.21	131
GTRW12	28692	732.	0.	0.	-732.	368.	641.	6.	78.	1.13	0.13	0.27	28.3	5.59	131.9	0	16.7	2.16	114
GTRW16	28692	216.	0.	0.	-216.	190.	47.	6.	6.	0.67	0.13	0.09	9.9	1.95	156.3	0	9.3	1.20	131
GTRW16	28692	628.	0.	0.	-628.	338.	540.	6.	66.	1.05	0.13	0.28	26.3	5.19	143.0	0	15.0	1.94	110
GTR308	28692	221.	0.	0.	-221.	190.	47.	6.	6.	0.67	0.13	0.07	9.2	1.83	142.6	0	9.4	1.22	130
GTR308	28692	621.	0.	0.	-621.	315.	463.	6.	56.	0.95	0.13	0.20	22.2	4.38	121.9	0	15.9	2.06	106
GTR312	28692	213.	0.	0.	-213.	190.	47.	6.	6.	0.66	0.13	0.10	9.4	1.86	150.9	0	9.2	1.18	133

ECS	PROCS	FUEL USE IN BTU*10**6 DISTIL	RESIDL	COAL	NOCOGEN - COGEN DISTIL	RESIDL	COAL	POWER REQD MW	COGEN POWER MW	O&M	POWER /HEAT RATIO	FESR	CAPITAL COST *10**6	NORM COST	$/KW EQVL	ROI (%)	LEVL CHRG	NORM ENRG	WRTH
		COGENERATION CASE			**NOCOGEN - COGEN**														
GTR312	28692	498.	0.	0.	-498.	299.	409.	6.	50.	0.87	0.13	0.30	20.3	4.01	139.5	0	12.5	1.61	109
GTR316	28692	213.	0.	0.	-213.	190.	47.	6.	6.	0.67	0.13	0.10	9.7	1.90	154.5	0	9.2	1.19	133
GTR316	28692	491.	0.	0.	-491.	296.	401.	6.	49.	0.89	0.13	0.30	20.9	4.13	145.5	0	12.5	1.62	108
FCPADS	28692	217.	0.	0.	-217.	190.	47.	6.	6.	1.09	0.13	0.08	9.8	1.94	154.2	0	9.8	1.27	132
FCPADS	28692	882.	0.	0.	-882.	417.	807.	6.	98.	10.30	0.13	0.20	58.1	11.46	224.6	0	30.6	3.96	154
FCMCDS	28692	211.	0.	0.	-211.	190.	47.	6.	6.	1.06	0.13	0.11	10.1	1.99	163.0	0	9.5	1.23	134
FCMCDS	28692	644.	0.	0.	-644.	367.	638.	6.	78.	7.74	0.13	0.36	50.1	9.89	265.6	0	22.6	2.92	139

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		FUEL USE IN BTU*10**6																		
		COGENERATION CASE			**NOCOGEN - COGEN**				POWER	COGEN	O&M	POWER	FESR	CAPITAL	NORM	$/KW	ROI	LEVL	NORM	WRTH
ECS	PROC	DISTIL	RESIDL	COAL	DISTIL	RESIDL	COAL		REQD MW	POWER MW		/HEAT RATIO		COST *10**6	COST	EQVL	(%)	CHRG	ENRG	
GNOCGN	28693	0.	379.	30.	0.	0.	0.		4.	0.	0.69	0.04	0.	13.3	1.00	110.5	0	13.8	1.00	80
STM141	28693	0.	385.	0.	0.	-6.	30.		4.	4.	0.96	0.04	0.06	13.7	1.02	109.3	31	13.5	0.98	136
STM141	28693	0.	445.	0.	0.	-29.	153.		4.	19.	0.86	0.04	0.22	15.6	1.17	109.6	30	12.6	0.91	112
STM141	28693	0.	0.	385.	0.	379.	-355.	F	4.	4.	1.94	0.04	0.06	28.6	2.15	229.4	14	11.5	0.83	116
STM141	28693	0.	0.	445.	0.	416.	-293.	F	4.	19.	1.75	0.04	0.22	29.1	2.18	204.0	20	9.6	0.69	93
STM141	28693	0.	0.	385.	0.	379.	-355.	A	4.	4.	1.85	0.04	0.06	26.9	2.02	215.3	16	11.2	0.81	117
STM141	28693	0.	0.	445.	0.	416.	-293.	A	4.	19.	1.57	0.04	0.22	20.7	1.56	145.4	40	8.5	0.61	98
STM088	28693	0.	385.	0.	0.	-6.	30.		4.	4.	0.94	0.04	0.06	12.2	0.92	97.9	999	13.3	0.96	139
STM088	28693	0.	423.	0.	0.	-20.	107.		4.	13.	0.82	0.04	0.17	13.9	1.04	102.4	62	12.8	0.92	119
STM088	28693	0.	0.	385.	0.	379.	-355.	F	4.	4.	1.96	0.04	0.06	28.9	2.16	231.0	14	11.5	0.83	116
STM088	28693	0.	0.	423.	0.	402.	-316.	F	4.	13.	1.64	0.04	0.17	26.9	2.02	197.8	21	9.9	0.71	99
STM088	28693	0.	0.	385.	0.	379.	-355.	A	4.	4.	1.88	0.04	0.06	26.7	2.01	214.0	16	11.2	0.81	117
STM088	28693	0.	0.	423.	0.	402.	-316.	A	4.	13.	1.51	0.04	0.17	19.6	1.47	144.2	42	9.0	0.65	104
PFBSTM	28693	0.	0.	386.	0.	379.	-356.		4.	4.	1.92	0.04	0.06	27.9	2.09	223.2	15	11.4	0.82	116
PFBSTM	28693	0.	0.	503.	0.	448.	-243.		4.	32.	2.65	0.04	0.29	35.0	2.62	219.5	[illegible]	[illegible]	0.70	91
TISTMT	28693	0.	385.	0.	0.	-6.	30.		4.	4.	1.21	0.04	0.06	25.0	1.88	200.2	0	15.0	1.08	125
TISTMT	28693	0.	530.	0.	0.	-65.	316.		4.	39.	2.71	0.04	0.32	81.2	6.09	485.3	0	20.3	1.47	102
TISTMT	28693	0.	0.	385.	0.	379.	-356.		4.	4.	2.09	0.04	0.06	36.9	2.77	295.0	9	12.5	0.90	114
TISTMT	28693	0.	0.	547.	0.	476.	-196.		4.	43.	3.82	0.04	0.34	109.0	8.17	631.8	1	17.6	1.27	97
TIHRSG	28693	0.	392.	0.	0.	-12.	30.		4.	4.	1.22	0.04	0.04	27.6	2.07	217.4	0	15.4	1.11	122
TIHRSG	28693	0.	488.	0.	0.	-68.	165.		4.	20.	2.36	0.04	0.17	72.9	5.47	470.5	0	21.1	1.52	93
TIHRSG	28693	0.	0.	392.	0.	379.	-362.		4.	4.	2.21	0.04	0.04	43.7	3.28	345.0	6	13.5	0.97	111
TIHRSG	28693	0.	0.	501.	0.	425.	-317.		4.	22.	3.40	0.04	0.18	98.7	7.41	621.7	0	19.0	1.37	86
STIRL	28693	392.	0.	0.	-392.	379.	30.		4.	4.	0.99	0.04	0.04	18.2	1.36	143.0	0	16.7	1.21	133
STIRL	28693	660.	0.	0.	-660.	490.	400.		4.	49.	1.59	0.04	0.26	37.2	2.79	181.2	0	20.5	1.48	103
STIRL	28693	0.	392.	0.	0.	-13.	30.		4.	4.	0.99	0.04	0.04	18.2	1.36	143.1	0	14.2	1.02	128
STIRL	28693	0.	660.	0.	0.	-170.	400.		4.	49.	1.59	0.04	0.26	37.3	2.80	181.4	0	16.3	1.17	96
STIRL	28693	0.	0.	392.	0.	379.	-362.		4.	4.	1.82	0.04	0.04	28.8	2.16	226.7	15	11.4	0.82	114
STIRL	28693	0.	0.	692.	0.	503.	-248.		4.	54.	2.92	0.04	0.27	68.8	5.16	320.3	[illegible]	12.5	0.90	82
HEGT05	28693	0.	0.	404.	0.	379.	-374.	A	4.	4.	1.82	0.04	0.01	32.6	2.45	250.1	11	12.1	0.87	109
HEGT05	28693	0.	0.	2919.	0.	1054.	-633.	[illegible]	4.	279.	10.24	0.04	0.13	269.1	20.19	310.3	0	37.9	2.74	102
HEGT60	28693	0.	0.	402.	0.	379.	-372.	A	4.	4.	1.82	0.04	0.02	32.3	2.42	248.5	11	12.0	0.87	110
HEGT60	28693	0.	0.	1163.	0.	595.	-413.	A	4.	91.	4.69	0.04	0.14	121.0	9.08	343.0	0	21.2	1.53	76
HEGT00	28693	0.	0.	400.	0.	379.	-371.	A	4.	4.	1.83	0.04	0.02	31.9	2.39	246.2	11	12.0	0.86	110
HEGT00	28693	0.	0.	675.	0.	461.	-372.	A	4.	37.	2.78	0.04	0.12	66.3	4.98	315.9	3	15.1	1.09	69
FCMCCL	28693	0.	0.	430.	0.	379.	-400.		4.	4.	1.94	0.04	-0.05	34.3	2.57	272.3	8	12.9	0.93	102
FCMCCL	28693	0.	0.	739.	0.	532.	-199.		4.	66.	4.28	0.04	0.31	79.4	5.95	366.3	5	14.1	1.02	89
FCSTCL	28693	0.	0.	429.	0.	379.	-399.		4.	4.	1.97	0.04	-0.05	33.7	2.53	268.3	8	12.9	0.93	102
FCSTCL	28693	0.	0.	869.	0.	606.	-82.		4.	96.	5.13	0.04	0.38	94.2	7.07	369.8	5	13.2	0.96	94
IGGTST	28693	0.	0.	433.	0.	379.	-404.		4.	4.	1.96	0.04	-0.06	32.8	2.46	258.0	8	12.8	0.93	101
IGGTST	28693	0.	0.	810.	0.	532.	-268.		4.	66.	2.64	0.04	0.25	72.7	5.45	306.1	6	12.8	0.93	79
GTSOAR	28693	0.	392.	0.	0.	-12.	30.		4.	4.	0.93	0.04	0.04	17.3	1.30	136.5	0	14.0	1.01	129
GTSOAR	28693	0.	743.	0.	0.	-217.	518.		4.	63.	1.30	0.04	0.29	28.5	2.14	123.9	0	14.8	1.07	101

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ECS	PROCS	FUEL USE IN BTU*10**6: COGENERATION CASE DISTIL	COGENERATION CASE RESIDL	COGENERATION CASE COAL	NOCOGEN - COGEN DISTIL	NOCOGEN - COGEN RESIDL	NOCOGEN - COGEN COAL	POWER REQD MW	COGEN POWER MW	O&M	POWER /HEAT RATIO	FESR	CAPITAL COST *10**6	NORM COST	$/KW EQVL	ROI (%)	LEVL CHRG	NORM ENRG	WRTH
GTAC08	28693	0.	389.	0.	0.	-9.	30.	4.	4.	0.92	0.04	0.05	16.8	1.26	133.8	4	13.9	1.00	131
GTAC08	28693	0.	612.	0.	0.	-123.	398.	4.	48.	1.13	0.04	0.31	22.5	1.69	117.7	12	12.9	0.93	105
GTAC12	28693	0.	389.	0.	0.	-9.	30.	4.	4.	0.92	0.04	0.05	16.8	1.26	133.4	4	13.9	1.00	131
GTAC12	28693	0.	679.	0.	0.	-159.	498.	4.	61.	1.24	0.04	0.33	26.5	1.99	125.6	9	13.1	0.95	105
GTAC16	28693	0.	389.	0.	0.	-10.	30.	4.	4.	0.92	0.04	0.05	16.9	1.27	134.2	4	13.9	1.00	130
GTAC16	28693	0.	728.	0.	0.	-189.	566.	4.	69.	1.34	0.04	0.34	30.1	2.25	133.3	6	13.5	0.98	104
GTWC16	28693	0.	391.	0.	0.	-12.	30.	4.	4.	0.93	0.04	0.04	17.2	1.29	135.7	1	14.0	1.01	130
GTWC16	28693	0.	778.	0.	0.	-232.	590.	4.	72.	1.33	0.04	0.32	29.1	2.18	121.0	2	14.3	1.03	103
CC1626	28693	0.	391.	0.	0.	-12.	30.	4.	4.	0.99	0.04	0.04	16.9	1.27	133.7	0	14.1	1.02	130
CC1626	28693	0.	1000.	0.	0.	-361.	896.	4.	109.	1.72	0.04	0.35	37.5	2.82	123.1	0	15.3	1.10	105
CC1622	28693	0.	390.	0.	0.	-11.	30.	4.	4.	0.98	0.04	0.05	16.7	1.26	132.3	0	14.0	1.01	131
CC1622	28693	0.	912.	0.	0.	-301.	805.	4.	98.	1.68	0.04	0.35	37.4	2.81	134.0	1	14.7	1.08	105
CC1222	28693	0.	390.	0.	0.	-11.	30.	4.	4.	0.98	0.04	0.05	16.6	1.24	131.2	1	14.0	1.01	131
CC1222	28693	0.	904.	0.	0.	-294.	800.	4.	97.	1.65	0.04	0.36	35.5	2.66	128.3	3	14.3	1.04	105
CC0822	28693	0.	389.	0.	0.	-10.	30.	4.	4.	0.99	0.04	0.05	16.8	1.26	133.1	1	14.0	1.01	131
CC0822	28693	0.	764.	0.	0.	-204.	633.	4.	77.	1.47	0.04	0.36	29.7	2.23	126.1	7	13.2	0.96	106
STIG15	28693	0.	402.	0.	0.	-23.	30.	4.	4.	0.94	0.04	0.02	16.9	1.27	130.1	0	14.3	1.03	127
STIG15	28693	0.	24231.	0.	0.	-17225.	22214.	4.	2706.	39.86	0.04	0.17	671.0	50.33	94.3	0	314.1	22.69	604
STIG10	28693	0.	399.	0.	0.	-20.	30.	4.	4.	0.93	0.04	0.02	16.7	1.25	129.4	0	14.2	1.02	128
STIG10	28693	0.	2377.	0.	0.	-1393.	2054.	4.	250.	4.04	0.04	0.22	75.9	5.69	107.0	0	35.4	2.56	116
STIG1S	28693	0.	398.	0.	0.	-19.	30.	4.	4.	0.93	0.04	0.03	16.6	1.25	129.3	0	14.1	1.02	129
STIG1S	28693	0.	1494.	0.	0.	-764.	1205.	4.	147.	2.73	0.04	0.23	47.1	3.53	104.6	0	24.5	1.77	103
DEADV3	28693	0.	396.	0.	0.	-16.	30.	4.	4.	1.02	0.04	0.03	20.1	1.50	156.7	0	14.5	1.03	126
DEADV3	28693	0.	1537.	0.	0.	-756.	1372.	4.	167.	3.62	0.04	0.29	111.5	8.37	241.2	0	29.7	2.15	111
DEHTPM	28693	0.	389.	0.	0.	-10.	30.	4.	4.	1.06	0.04	0.05	20.2	1.52	160.5	0	14.4	1.04	127
DEHTPM	28693	0.	735.	0.	0.	-192.	579.	4.	70.	2.18	0.04	0.34	56.8	4.26	249.5	0	17.1	1.24	102
DESOA3	28693	398.	0.	0.	-398.	379.	30.	4.	4.	1.00	0.04	0.03	19.1	1.43	148.2	0	17.0	1.23	131
DESOA3	28693	1842.	0.	0.	-1842.	849.	1600.	4.	195.	4.87	0.04	0.25	159.8	11.99	289.6	0	51.7	3.74	144
DESOA3	28693	0.	398.	0.	0.	-18.	30.	4.	4.	1.00	0.04	0.03	19.1	1.43	148.2	0	14.4	1.04	126
DESOA3	28693	0.	1842.	0.	0.	-994.	1600.	4.	195.	4.87	0.04	0.25	159.8	11.99	289.6	0	39.8	2.87	122
GTSOAD	28693	390.	0.	0.	-390.	379.	30.	4.	4.	0.92	0.04	0.05	16.7	1.25	131.9	0	16.4	1.19	135
GTSOAD	28693	684.	0.	0.	-684.	514.	481.	4.	59.	1.17	0.04	0.31	23.6	1.77	111.0	0	17.7	1.28	113
GTRA08	28693	391.	0.	0.	-391.	379.	30.	4.	4.	0.93	0.04	0.04	17.4	1.31	137.6	0	16.6	1.20	134
GTRA08	28693	937.	0.	0.	-937.	611.	805.	4.	98.	1.64	0.04	0.34	40.7	3.05	141.8	0	21.7	1.57	114
GTRA12	28693	391.	0.	0.	-391.	379.	30.	4.	4.	0.92	0.04	0.04	17.4	1.30	137.2	0	16.5	1.19	134
GTRA12	28693	910.	0.	0.	-910.	605.	784.	4.	95.	1.59	0.04	0.34	38.8	2.91	139.3	0	21.0	1.52	114
GTRA16	28693	391.	0.	0.	-391.	379.	30.	4.	4.	0.93	0.04	0.04	17.6	1.32	138.7	0	16.6	1.20	134
GTRA16	28693	869.	0.	0.	-869.	509.	730.	4.	89.	1.59	0.04	0.34	39.0	2.92	146.1	0	20.8	1.50	113
GTR208	28693	391.	0.	0.	-391.	379.	30.	4.	4.	0.92	0.04	0.04	17.2	1.29	135.7	0	16.5	1.19	134
GTR208	28693	733.	0.	0.	-783.	551.	603.	4.	73.	1.37	0.04	0.32	30.8	2.31	127.3	0	19.5	1.41	112
GTR212	28693	391.	0.	0.	-391.	379.	30.	4.	4.	0.93	0.04	0.04	17.3	1.30	136.5	0	16.5	1.19	134
GTR212	28693	815.	0.	0.	-815.	564.	647.	4.	79.	1.43	0.04	0.33	33.1	2.48	131.8	0	19.9	1.44	112
GTR216	28693	391.	0.	0.	-391.	379.	30.	4.	4.	0.93	0.04	0.05	17.4	1.30	137.2	0	16.5	1.19	134
GTR216	28693	818.	0.	0.	-818.	569.	663.	4.	81.	1.49	0.04	0.34	35.3	2.65	140.2	0	20.0	1.44	113

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SUMMARY OF FUEL SAVED BY TYPE & ECONOMICS

ECS	PROCS	FUEL USE IN BTU=10**6 **COGENERATION CASE** DISTIL	RESIDL	COAL	**NOCOGEN - COGEN** DISTIL	RESIDL	COAL	POWER REQD MW	COGEN POWER MW	O&M	POWER /HEAT RATIO	FESR	CAPITAL COST *10**6	NORM COST	$/KW EQVL	ROI (%)	LEVL CHRG	NORM ENRG	WRTH
GTRW06	28693	394.	0.	0.	-394.	379.	30.	4.	4.	0.93	0.04	0.04	17.5	1.31	137.3	0	16.7	1.20	133
GTRW08	28693	1136.	0.	0.	-1136.	657.	959.	4.	117.	1.67	0.04	0.30	40.5	3.04	117.5	0	25.3	1.83	115
GTRW12	28693	393.	0.	0.	-393.	379.	30.	4.	4.	0.93	0.04	0.04	17.5	1.31	137.6	0	16.6	1.20	133
GTRW12	28693	1111.	0.	0.	-1111..	661.	973.	4.	119.	1.58	0.04	0.32	40.7	3.05	120.6	0	24.1	1.74	116
GTRW16	28693	393.	0.	0.	-393.	379.	30.	4.	4.	0.93	0.04	0.04	17.7	1.33	138.9	0	16.8	1.20	133
GTRW16	28693	1048.	0.	0.	-1048.	639.	900.	4.	110.	1.65	0.04	0.32	40.2	3.02	126.1	0	23.5	1.70	115
GTR308	28693	395.	0.	0.	-395.	379.	30.	4.	4.	0.93	0.04	0.03	17.2	1.29	134.7	0	16.7	1.20	133
GTR308	28693	982.	0.	0.	-982.	589.	732.	4.	89.	1.48	0.04	0.26	33.6	2.52	112.2	0	24.0	1.73	111
GTR312	28693	392.	0.	0.	-392.	379.	30.	4.	4.	0.93	0.04	0.04	17.3	1.30	136.3	0	16.6	1.20	134
GTR312	28693	950.	0.	0.	-950.	604.	782.	4.	95.	1.49	0.04	0.31	34.4	2.58	118.4	0	21.9	1.58	114
GTR316	28693	393.	0.	0.	-393.	379.	30.	4.	4.	0.93	0.04	0.04	17.5	1.31	137.5	0	16.6	1.20	134
GTR316	28693	944.	0.	0.	-944.	601.	770.	4.	94.	1.51	0.04	0.31	35.4	2.66	122.6	0	22.0	1.59	113
FCPADS	28693	396.	0.	0.	-396.	379.	30.	4.	4.	1.20	0.04	0.03	18.4	1.38	143.2	0	17.1	1.24	132
FCPADS	28693	1853.	0.	0.	-1853.	877.	1694.	4.	206.	21.59	0.04	0.28	121.2	9.09	218.4	0	62.7	4.53	169
FCMCDS	28693	392.	0.	0.	-392.	379.	30.	4.	4.	1.17	0.04	0.04	18.5	1.39	145.8	0	16.9	1.22	133
FCMCDS	28693	1352.	0.	0.	-1352.	771.	1340.	4.	163.	16.25	0.04	0.36	104.5	7.84	256.0	0	45.8	3.31	150

		----------FUEL USE IN BTU*10**6----------																
		COGENERATION CASE			**NOCOGEN - COGEN**													
ECS	PROCS	DISTIL	RESIDL	COAL	DISTIL	RESIDL	COAL		POWER REQD MW	COGEN POWER MW	O&M	POWER /HEAT RATIO	FESR	CAPITAL COST *10**6	NORM COST	$/KW EQVL	ROI (%)	LEVL CHRG	NORM ENRG	WRTH
ONOCGN	28694	0.	408.	27.	0.	0.	0.		3.	0.	0.73	0.03	0.	14.4	1.00	104.2	0	14.7	1.00	80
STM141	28694	0.	413.	0.	0.	-5.	27.		3.	3.	1.03	0.03	0.05	14.7	1.02	103.7	24	14.5	0.98	135
STM141	28694	0.	446.	0.	0.	-18.	95.		3.	12.	0.86	0.03	0.15	15.0	1.05	99.3	56	13.8	0.94	117
STM141	28694	0.	0.	413.	0.	408.	-386.	F	3.	3.	2.11	0.03	0.05	31.6	2.20	222.6	13	12.4	0.84	115
STM141	28694	0.	0.	446.	0.	428.	-352.	F	3.	12.	1.76	0.03	0.15	29.1	2.02	191.9	20	10.9	0.74	97
STM141	28694	0.	0.	413.	0.	408.	-386.	A	3.	3.	2.01	0.03	0.05	28.8	2.00	203.0	16	12.0	0.81	116
STM141	28694	0.	0.	446.	0.	428.	-352.	A	3.	12.	1.59	0.03	0.15	20.3	1.41	133.8	45	9.7	0.66	103
PFBSTM	28694	0.	0.	414.	0.	408.	-387.		3.	3.	2.07	0.03	0.05	30.2	2.10	212.4	14	12.2	0.83	115
PFBSTM	28694	0.	0.	512.	0.	463.	-300.		3.	26.	2.76	0.03	0.24	35.3	2.46	207.1	15	11.0	0.75	88
TISTMT	28694	0.	414.	0.	0.	-6.	27.		3.	3.	1.28	0.03	0.05	26.8	1.86	188.6	0	16.1	1.09	124
TISTMT	28694	0.	531.	0.	0.	-54.	259.		3.	32.	2.73	0.03	0.28	80.8	5.53	458.6	0	21.8	1.48	98
TISTMT	28694	0.	0.	414.	0.	408.	-387.		3.	3.	2.23	0.03	0.05	39.9	2.77	280.8	9	13.4	0.91	113
TISTMT	28694	0.	0.	554.	0.	491.	-250.		3.	37.	3.95	0.03	0.30	112.6	7.84	615.2	0	19.2	1.30	93
TIHRSG	28694	0.	423.	0.	0.	-14.	27.		3.	3.	1.30	0.03	0.03	30.3	2.11	209.8	0	16.6	1.13	120
TIHRSG	28694	0.	557.	0.	0.	-101.	189.		3.	23.	2.61	0.03	0.14	81.1	5.64	440.7	0	23.6	1.60	87
TIHRSG	28694	0.	0.	423.	0.	408.	-395.		3.	3.	2.29	0.03	0.03	44.4	3.09	307.3	6	14.1	0.96	110
TIHRSG	28694	0.	0.	585.	0.	466.	-363.		3.	27.	3.89	0.03	0.15	113.8	7.92	592.3	0	21.6	1.47	81
STIRL	28694	420.	0.	0.	-420.	408.	27.		3.	3.	1.04	0.03	0.03	19.5	1.36	135.8	0	17.9	1.21	132
STIRL	28694	678.	0.	0.	-678.	511.	371.		3.	45.	1.66	0.03	0.23	38.9	2.70	177.1	0	22.0	1.49	101
STIRL	28694	0.	420.	0.	0.	-12.	27.		3.	3.	1.04	0.03	0.03	19.5	1.36	135.8	0	15.2	1.03	128
STIRL	28694	0.	678.	0.	0.	-167.	371.		3.	45.	1.66	0.03	0.23	38.9	2.71	177.3	0	17.6	1.19	93
STIRL	28694	0.	0.	420.	0.	408.	-393.		3.	3.	1.94	0.03	0.03	31.2	2.17	216.6	14	12.2	0.83	113
STIRL	28694	0.	0.	727.	0.	530.	-291.		3.	53.	3.09	0.03	0.25	73.5	5.12	314.4	6	13.9	0.94	80
HEGT60	28694	0.	0.	434.	0.	408.	-407.	A	3.	3.	1.91	0.03	0.00	33.6	2.34	227.3	11	12.8	0.87	109
HEGT60	28694	0.	0.	2063.	0.	797.	-733.	A	3.	162.	7.19	0.03	0.03	181.3	12.62	290.0	0	32.3	2.19	78
HEGT00	28694	0.	0.	429.	0.	408.	-402.	A	3.	3.	1.92	0.03	0.01	33.2	2.31	226.6	12	12.7	0.86	110
HEGT00	28694	0.	0.	783.	0.	506.	-422.	A	3.	44.	3.15	0.03	0.10	75.1	5.23	300.2	1	16.9	1.15	67
FCMCCL	28694	0.	0.	487.	0.	400.	-460.		3.	3.	2.04	0.03	-0.12	36.3	2.53	254.2	7	14.2	0.98	94
FCMCCL	28694	0.	0.	849.	0.	586.	-228.		3.	76.	4.78	0.03	0.30	87.8	6.11	352.7	4	15.5	1.05	87
FCSTCL	28694	0.	0.	487.	0.	400.	-459.		3.	3.	2.09	0.03	-0.12	36.0	2.59	252.4	7	14.2	0.96	95
FCSTCL	28694	0.	0.	925.	0.	631.	-153.		3.	94.	5.35	0.03	0.34	97.0	6.75	357.5	5	15.0	1.02	91
IGGTST	28694	0.	0.	491.	0.	406.	-464.		3.	3.	2.07	0.03	-0.13	35.0	2.43	242.9	7	14.1	0.96	94
IGGTST	28694	0.	0.	861.	0.	552.	-353.		3.	62.	2.69	0.03	0.19	74.2	5.17	294.2	5	14.6	0.99	74
GTSOAR	28694	0.	421.	0.	0.	-13.	27.		3.	3.	0.97	0.03	0.03	18.3	1.27	127.1	0	15.0	1.02	129
GTSOAR	28694	0.	865.	0.	0.	-285.	604.		3.	74.	1.51	0.03	0.27	34.5	2.40	125.7	0	17.2	1.17	99
GTAC08	28694	0.	416.	0.	0.	-8.	27.		3.	3.	0.96	0.03	0.04	17.9	1.24	125.3	3	14.8	1.00	130
GTAC08	28694	0.	659.	0.	0.	-131.	428.		3.	52.	1.22	0.03	0.31	24.5	1.71	114.7	11	13.8	0.94	105
GTAC12	28694	0.	417.	0.	0.	-9.	27.		3.	3.	0.95	0.03	0.04	17.8	1.24	124.8	3	14.8	1.00	130
GTAC12	28694	0.	735.	0.	0.	-174.	539.		3.	66.	1.34	0.03	0.33	28.8	2.01	122.2	8	14.1	0.96	105
GTAC16	28694	0.	418.	0.	0.	-9.	27.		3.	3.	0.95	0.03	0.04	17.9	1.25	125.4	2	14.6	1.01	130
GTAC16	28694	0.	804.	0.	0.	-217.	625.		3.	76.	1.46	0.03	0.34	33.0	2.30	128.9	5	14.8	1.00	104
GTWC16	28694	0.	419.	0.	0.	-11.	27.		3.	3.	0.96	0.03	0.04	18.2	1.27	126.9	0	14.9	1.01	129
GTWC16	28694	0.	839.	0.	0.	-249.	636.		3.	77.	1.43	0.03	0.32	31.4	2.18	117.7	2	15.3	1.04	103

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SUMMARY OF FUEL SAVED BY TYPE & ECONOMICS

		----------FUEL USE IN BTU*10**6----------																	
		COGENERATION CASE			**NOCOGEN - COGEN**			POWER	COGEN	O&M	POWER	FESR	CAPITAL	NORM	$/KW	ROI	LEVL	NORM	WRTH
ECS	PROCS	DISTIL	RESIDL	COAL	DISTIL	RESIDL	COAL	REQD MW	POWER MW		/HEAT RATIO		COST *10**6	COST	EQVL	(%)	CHRG	ENRG	
DEHTPM	28694	0.	419.	0.	0.	-11.	27.	3.	3.	1.12	0.03	0.04	21.8	1.52	151.8	0	15.5	1.05	126
DEHTPM	28694	0.	792.	0.	0.	-229.	546.	3.	66.	2.36	0.03	0.29	62.3	4.34	246.6	0	20.2	1.37	98
GTSOAD	28694	418.	0.	0.	-418.	408.	27.	3.	3.	0.95	0.03	0.04	17.7	1.23	123.6	0	17.5	1.19	135
GTSOAD	28694	749.	0.	0.	-749.	557.	526.	3.	64.	1.27	0.03	0.31	25.9	1.80	107.8	0	19.3	1.31	113
GTRA03	28694	421.	0.	0.	-421.	408.	27.	3.	3.	0.96	0.03	0.03	18.4	1.28	128.0	0	17.7	1.20	133
GTRA06	28694	1170.	0.	0.	-1170.	700.	1005.	3.	122.	1.89	0.03	0.31	47.9	3.33	131.6	0	26.4	1.79	115
GTRA12	28694	420.	0.	0.	-420.	408.	27.	3.	3.	0.96	0.03	0.03	18.3	1.28	127.5	0	17.7	1.20	134
GTRA12	28694	1103.	0.	0.	-1103.	684.	951.	3.	116.	1.87	0.03	0.32	47.4	3.30	137.8	0	25.2	1.71	115
GTRA16	28694	420.	0.	0.	-420.	408.	27.	3.	3.	0.97	0.03	0.04	18.5	1.29	128.8	0	17.7	1.20	133
GTRA16	28694	1031.	0.	0.	-1031.	659.	866.	3.	105.	1.85	0.03	0.32	46.9	3.26	145.2	0	24.5	1.66	113
GTR208	28694	420.	0.	0.	-420.	408.	27.	3.	3.	0.96	0.03	0.04	18.2	1.26	126.5	0	17.7	1.20	134
GTR208	28694	899.	0.	0.	-899.	607.	693.	3.	84.	1.57	0.03	0.31	36.8	2.56	129.4	0	22.4	1.52	111
GTR212	28694	420.	0.	0.	-420.	408.	27.	3.	3.	0.96	0.03	0.04	18.3	1.27	127.2	0	17.7	1.20	134
GTR212	28694	936.	0.	0.	-936.	622.	743.	3.	91.	1.64	0.03	0.31	39.4	2.74	133.4	0	22.9	1.55	112
GTR216	28694	419.	0.	0.	-419.	406.	27.	3.	3.	0.96	0.03	0.04	18.3	1.28	127.7	0	17.7	1.20	134
GTR216	28694	944.	0.	0.	-944.	629.	766.	3.	93.	1.71	0.03	0.32	42.0	2.92	141.3	0	23.0	1.56	112
GTRW08	28694	423.	0.	0.	-423.	408.	27.	3.	3.	0.97	0.03	0.03	18.5	1.29	127.7	0	17.8	1.21	133
GTRW08	28694	1394.	0.	0.	-1394.	752.	1178.	3.	143.	1.96	0.03	0.28	49.3	3.43	114.8	0	30.7	2.08	117
GTRW12	28694	422.	0.	0.	-422.	408.	27.	3.	3.	0.96	0.03	0.03	18.5	1.29	128.1	0	17.8	1.20	133
GTRW12	28694	1328.	0.	0.	-1328.	747.	1163.	3.	142.	1.94	0.03	0.30	48.8	3.39	119.0	0	28.6	1.94	117
GTRW16	28694	421.	0.	0.	-421.	408.	27.	3.	3.	0.97	0.03	0.03	18.6	1.30	129.2	0	17.8	1.21	133
GTRW16	28694	1221.	0.	0.	-1221.	713.	1049.	3.	128.	1.89	0.03	0.31	47.5	3.31	125.5	0	27.2	1.85	116
GTR308	28694	424.	0.	0.	-424.	408.	27.	3.	3.	0.96	0.03	0.03	18.2	1.27	125.6	0	17.8	1.21	133
GTR308	28694	1179.	0.	0.	-1179.	663.	879.	3.	107.	1.67	0.03	0.24	38.6	2.69	105.6	0	28.3	1.92	112
GTR312	28694	421.	0.	0.	-421.	408.	27.	3.	3.	0.96	0.03	0.03	18.3	1.27	127.2	0	17.7	1.20	133
GTR312	28694	1065.	0.	0.	-1065.	662.	877.	3.	107.	1.68	0.03	0.31	40.1	2.79	120.5	0	24.6	1.67	114
GTR316	28694	421.	0.	0.	-421.	408.	27.	3.	3.	0.97	0.03	0.03	18.5	1.28	128.3	0	17.7	1.20	133
GTR316	28694	1055.	0.	0.	-1056.	657.	862.	3.	105.	1.71	0.03	0.30	41.1	2.86	124.6	0	24.7	1.68	113
FCPADS	28694	424.	0.	0.	-424.	408.	27.	3.	3.	1.21	0.03	0.03	19.6	1.36	135.1	0	18.2	1.23	132
FCPADS	28694	2000.	0.	0.	-2000.	946.	1829.	3.	223.	23.32	0.03	0.28	131.4	9.14	216.5	0	67.8	4.58	171
FCMCDS	28694	420.	0.	0.	-420.	408.	27.	3.	3.	1.19	0.03	0.04	19.7	1.37	137.2	0	18.1	1.23	132
FCMCDS	28694	1459.	0.	0.	-1459.	832.	1447.	3.	176.	17.56	0.03	0.36	113.4	7.89	252.9	0	49.4	3.35	151

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ECS	PROCS	FUEL USE IN BTU*10**6 **COGENERATION CASE** DISTIL	RESIDL	COAL	**NOCOGEN - COGEN** DISTIL	RESIDL	COAL	POWER REQD MW	COGEN POWER MW	O&M	POWER /HEAT RATIO	FESR	CAPITAL COST *10**6	NORM COST	$/KW EQVL	ROI (%)	LEVL CHRG	NORM ENRG	WRTH
ONOCGN	28731	0.	762.	29.	0.	0.	0.	4.	0.	0.98	0.02	0.	22.1	1.00	100.0	0	27.5	1.00	80
PFBSTM	28731	0.	0.	770.	0.	762.	-741.	4.	4.	2.77	0.02	0.03	40.2	1.82	178.3	25	20.8	0.76	114
PFDSTM	28731	0.	0.	860.	0.	808.	-577.	4.	22.	3.72	0.02	0.13	42.3	1.92	168.1	25	19.9	0.73	82
TIHRS8	28731	0.	784.	0.	0.	-22.	29.	4.	4.	1.49	0.02	0.01	34.9	1.58	151.8	0	29.1	1.06	122
TIHRS6	28731	0.	1177.	0.	0.	-305.	399.	4.	49.	3.96	0.02	0.07	138.6	6.28	401.6	0	45.8	1.67	75
TIHRS8	28731	0.	0.	784.	0.	762.	-755.	4.	4.	3.03	0.02	0.01	61.6	2.79	268.1	11	23.6	0.86	106
TIHRS9	28731	0.	0.	1177.	0.	872.	-779.	4.	49.	5.95	0.02	0.07	176.4	7.99	511.1	0	37.2	1.35	65
HEGT00	28731	0.	0.	785.	0.	762.	-756. A	4.	4.	2.64	0.02	0.01	49.7	2.25	215.9	17	21.9	0.80	108
HEGT00	28731	0.	0.	1434.	0.	934.	-827. A	4.	74.	4.71	0.02	0.07	108.4	4.91	258.1	4	28.2	1.03	61
FCMCCL	28731	0.	0.	771.	0.	762.	-742.	4.	4.	2.83	0.02	0.02	55.5	2.51	245.8	13	22.7	0.83	109
FCMCCL	28731	0.	0.	1371.	0.	1053.	-368.	4.	122.	7.25	0.02	0.33	124.5	5.64	309.8	8	22.4	0.81	87
GTSOAR	28731	0.	778.	0.	0.	-16.	29.	4.	4.	1.25	0.02	0.02	26.8	1.21	117.5	0	27.8	1.01	128
GTSOAR	28731	0.	1893.	0.	0.	-745.	1321.	4.	161.	2.18	0.02	0.23	63.6	2.88	114.7	0	36.2	1.32	95
GTAC08	28731	0.	771.	0.	0.	-9.	29.	4.	4.	1.24	0.02	0.03	26.3	1.19	116.5	3	27.6	1.00	129
GTAC08	28731	0.	1249.	0.	0.	-254.	811.	4.	99.	1.47	0.02	0.31	38.4	1.74	104.9	14	25.2	0.92	104
GTAC12	28731	0.	770.	0.	0.	-9.	29.	4.	4.	1.23	0.02	0.03	26.3	1.19	116.3	3	27.5	1.00	129
GTAC12	28731	0.	1362.	0.	0.	-311.	1000.	4.	122.	1.66	0.02	0.34	45.5	2.06	114.1	12	25.2	0.92	104
GTAC16	28731	0.	772.	0.	0.	-10.	29.	4.	4.	1.23	0.02	0.02	26.4	1.19	116.5	2	27.6	1.01	129
GTAC16	28731	0.	1542.	0.	0.	-431.	1198.	4.	146.	1.99	0.02	0.33	57.6	2.61	127.5	5	27.6	1.00	101
GTWC16	28731	0.	773.	0.	0.	-11.	29.	4.	4.	1.24	0.02	0.02	26.6	1.21	117.6	0	27.7	1.01	128
GTWC16	28731	0.	1576.	0.	0.	-466.	1175.	4.	146.	1.77	0.02	0.32	48.6	2.20	105.1	5	27.5	1.00	102
GTSOAD	28731	772.	0.	0.	-772.	762.	29.	4.	4.	1.23	0.02	0.02	26.1	1.18	115.4	0	32.9	1.20	134
GTSOAD	28731	1407.	0.	0.	-1407.	1048.	988.	4.	120.	1.61	0.02	0.31	43.3	1.96	105.1	0	36.2	1.32	111
GTRA08	28731	778.	0.	0.	-778.	762.	29.	4.	4.	1.24	0.02	0.01	26.8	1.21	117.5	0	33.2	1.21	132
GTRA08	28731	3161.	0.	0.	-3161.	1564.	2715.	4.	331.	3.58	0.02	0.26	114.8	5.20	123.9	0	70.6	2.57	123
GTRA12	28731	777.	0.	0.	-777.	762.	29.	4.	4.	1.24	0.02	0.02	26.8	1.21	117.5	0	33.2	1.21	133
GTRA12	28731	2710.	0.	0.	-2710.	1450.	2334.	4.	204.	3.29	0.02	0.28	104.7	4.74	131.8	0	61.4	2.24	116
GTRA16	28731	776.	0.	0.	-776.	762.	29.	4.	4.	1.24	0.02	0.02	27.0	1.22	118.5	0	33.2	1.21	133
GTRA16	28731	2374.	0.	0.	-2374.	1348.	1994.	4.	243.	2.97	0.02	0.29	93.3	4.23	134.0	0	55.3	2.02	115
GTR208	28731	775.	0.	0.	-775.	762.	29.	4.	4.	1.24	0.02	0.02	26.6	1.21	117.2	0	33.1	1.21	133
GTR208	28731	1893.	0.	0.	-1893.	1188.	1458.	4.	178.	2.25	0.02	0.28	66.8	3.03	120.5	0	46.5	1.69	110
GTR212	28731	775.	0.	0.	-775.	762.	29.	4.	4.	1.24	0.02	0.02	26.7	1.21	117.7	0	33.1	1.21	133
GTR212	28731	1983.	0.	0.	-1983.	1223.	1574.	4.	192.	2.41	0.02	0.29	72.4	3.28	124.7	0	47.8	1.74	111
GTR216	28731	775.	0.	0.	-775.	762.	29.	4.	4.	1.24	0.02	0.02	26.8	1.21	118.0	0	33.1	1.21	133
GTR216	28731	2021.	0.	0.	-2021.	1242.	1639.	4.	200.	2.57	0.02	0.30	78.6	3.56	132.7	0	48.5	1.77	112
GTRW08	28731	780.	0.	0.	-780.	762.	29.	4.	4.	1.24	0.02	0.01	26.9	1.22	117.7	0	33.3	1.21	132
GTRW00	28731	3559.	0.	0.	-3559.	1651.	3006.	4.	366.	3.56	0.02	0.24	112.8	5.11	108.1	0	78.4	2.86	127
GTRW12	28731	778.	0.	0.	-778.	762.	29.	4.	4.	1.24	0.02	0.02	26.9	1.22	118.1	0	33.2	1.21	132
GTRW12	28731	3124.	0.	0.	-3124.	1570.	2736.	4.	333.	3.16	0.02	0.27	97.9	4.44	107.0	0	66.5	2.42	122
GTRW16	28731	777.	0.	0.	-777.	762.	29.	4.	4.	1.24	0.02	0.02	27.1	1.23	119.0	0	33.2	1.21	132
GTRW16	28731	2680.	0.	0.	-2680.	1441.	2302.	4.	280.	2.94	0.02	0.26	91.0	4.12	115.8	0	59.2	2.16	118
GTR308	28731	781.	0.	0.	-781.	762.	29.	4.	4.	1.24	0.02	0.01	26.6	1.20	116.3	0	33.3	1.21	132
GTR308	28731	2651.	0.	0.	-2651.	1344.	1977.	4.	241.	2.56	0.02	0.20	75.8	3.43	97.5	0	63.8	2.32	114

ECS	PROCS	----------FUEL USE IN BTU*10**6---------- **COGENERATION CASE** DISTIL	RESIDL	COAL	**NOCOGEN - COGEN** DISTIL	RESIDL	COAL	POWER REQD MW	COGEN POWER MW	O&M	POWER /HEAT RATIO	FESR	CAPITAL COST *10**6	NORM COST	$/KW EQVL	ROI (%)	LEVL CHRG	NORM ENRG	WRTH
GTR312	28731	775.	0.	0.	-775.	762.	29.	4.	4.	1.24	0.02	0.02	26.8	1.21	117.8	0	33.1	1.21	133
GTR312	28731	2123.	0.	0.	-2123.	1275.	1747.	4.	213.	2.39	0.02	0.30	70.9	3.21	114.0	0	48.8	1.78	113
GTR316	28731	776.	0.	0.	-776.	762.	29.	4.	4.	1.24	0.02	0.02	26.9	1.22	118.6	0	33.1	1.21	133
GTR316	28731	2095.	0.	0.	-2095.	1263.	1709.	4.	206.	2.43	0.02	0.30	72.8	3.30	118.6	0	48.9	1.78	113
FCPADS	28731	778.	0.	0.	-778.	762.	29.	4.	4.	1.55	0.02	0.02	28.9	1.31	126.8	0	33.7	1.23	131
FCPADS	28731	3765.	0.	0.	-3765.	1781.	3442.	4.	419.	45.41	0.02	0.28	237.6	10.76	215.4	0	130.9	4.77	174
FCMCDS	28731	774.	0.	0.	-774.	762.	29.	4.	4.	1.52	0.02	0.02	29.1	1.32	128.1	0	33.6	1.22	132
FCMCDS	28731	2747.	0.	0.	-2747.	1566.	2723.	4.	332.	33.97	0.02	0.36	204.4	9.26	253.9	0	94.8	3.45	152

GENERAL ELECTRIC COMPANY
COGENERATION TECHNOLOGY ALTERNATIVES STUDY
REPORT 5.2
SUMMARY OF FUEL SAVED BY TYPE & ECONOMICS

		----------FUEL USE IN BTU*10**6----------																	
		COGENERATION CASE			**NOCOGEN - COGEN**														
ECS	PROCS	DISTIL	RESIDL	COAL	DISTIL	RESIDL	COAL		POWER REQD MW	COGEN POWER MW	O&M	POWER /HEAT RATIO	FESR	CAPITAL COST *10**6	NORM COST	$/KW EQVL	ROI (%)	LEVL CHRG	NORM ENRG	WRTH
ONOCGN	28741	0.	118.	33.	0.	0.	0.		4.	0.	0.32	0.15	0.	3.7	1.00	116.5	0	5.0	1.00	80
STM141	28741	0.	124.	0.	0.	-6.	33.		4.	4.	0.62	0.15	0.18	6.7	1.81	183.4	8	4.9	0.97	138
STM141	28741	0.	136.	0.	0.	-11.	56.		4.	7.	0.49	0.15	0.25	6.6	1.78	165.3	15	4.6	0.91	132
STM141	28741	0.	0.	124.	0.	118.	-91.	F	4.	4.	1.11	0.15	0.18	13.7	3.71	376.4	7	4.7	0.93	125
STM141	28741	0.	0.	136.	0.	125.	-79.	F	4.	7.	0.88	0.15	0.25	12.4	3.36	312.0	13	4.0	0.79	118
STM141	28741	0.	0.	124.	0.	118.	-91.	A	4.	4.	1.03	0.15	0.18	12.3	3.32	336.6	10	4.4	0.88	125
STM141	28741	0.	0.	136.	0.	125.	-79.	A	4.	7.	0.78	0.15	0.25	9.9	2.67	247.8	18	3.6	0.71	120
STM088	28741	0.	124.	0.	0.	-6.	33.		4.	4.	0.60	0.15	0.18	6.2	1.69	171.2	10	4.8	0.96	139
STM088	28741	0.	129.	0.	0.	-8.	43.		4.	5.	0.46	0.15	0.21	5.8	1.57	153.1	17	4.6	0.91	132
STM088	28741	0.	0.	124.	0.	118.	-91.	F	4.	4.	1.07	0.15	0.18	13.0	3.52	356.9	8	4.6	0.90	125
STM088	28741	0.	0.	129.	0.	121.	-86.	F	4.	5.	0.84	0.15	0.21	11.4	3.09	301.5	13	4.0	0.79	117
STM088	28741	0.	0.	124.	0.	118.	-91.	A	4.	4.	1.00	0.15	0.18	11.4	3.09	313.4	11	4.3	0.85	125
STM088	28741	0.	0.	129.	0.	121.	-86.	A	4.	5.	0.75	0.15	0.21	9.3	2.51	245.1	19	3.7	0.73	119
PFBSTM	28741	0.	0.	125.	0.	118.	-92.		4.	4.	1.17	0.15	0.17	14.8	4.01	405.7	6	4.8	0.96	124
PFBSTM	28741	0.	0.	151.	0.	134.	-65.		4.	10.	1.13	0.15	0.31	15.5	4.20	350.2	10	4.2	0.82	116
TISTMT	28741	0.	125.	0.	0.	-7.	33.		4.	4.	0.85	0.15	0.17	16.2	4.40	444.7	0	6.2	1.23	130
TISTMT	28741	0.	164.	0.	0.	-23.	112.		4.	14.	1.19	0.15	0.35	33.7	9.12	699.8	0	7.8	1.55	126
TISTMT	28741	0.	0.	125.	0.	118.	-92		4.	4.	1.37	0.15	0.17	24.3	6.58	665.2	0	6.1	1.21	125
TISTMT	28741	0.	0.	164.	0.	142.	-52.		4.	14.	1.68	0.15	0.35	42.8	11.59	889.0	0	7.3	1.45	122
TIHRSG	28741	0.	131.	0.	0.	-13.	33.		4.	4.	0.94	0.15	0.13	23.0	6.21	597.7	0	7.1	1.41	126
TIHRSG	28741	0.	142.	0.	0.	-19.	48.		4.	6.	0.94	0.15	0.17	20.3	7.67	603.4	0	7.7	1.52	119
TIHRSG	28741	0.	0.	131.	0.	118.	-98.		4.	4.	1.46	0.15	0.13	31.7	8.58	825.8	0	7.1	1.40	123
TIHRSG	28741	0.	0.	142.	0.	123.	-94.		4.	6.	1.38	0.15	0.17	36.5	9.88	880.6	0	7.4	1.46	116
STIRL	28741	132.	0.	0.	-132.	118.	33.		4.	4.	0.57	0.15	0.13	6.7	1.82	173.8	0	5.9	1.18	137
STIRL	28741	194.	0.	0.	-194.	144.	119.		4.	15.	0.59	0.15	0.26	10.9	2.96	192.3	0	6.7	1.32	119
STIRL	28741	0.	132.	0.	0.	-14.	33.		4.	4.	0.57	0.15	0.13	6.7	1.82	173.9	4	5.1	1.01	132
STIRL	28741	0.	194.	0.	0.	-50.	119.		4.	15.	0.59	0.15	0.26	11.0	2.96	192.6	0	5.4	1.07	112
STIRL	28741	0.	0.	132.	0.	118.	-99.		4.	4.	1.05	0.15	0.13	13.7	3.71	354.7	7	4.7	0.93	119
STIRL	28741	0.	0.	194.	0.	144.	-75.		4.	15.	1.05	0.15	0.26	18.6	5.03	326.8	8	4.3	0.86	100
HEGT85	28741	0.	0.	144.	0.	118.	-111.	A	4.	4.	1.17	0.15	0.05	21.6	5.84	511.6	0	5.9	1.17	110
HEGT85	28741	0.	0.	668.	0.	262.	-152.	A	4.	63.	3.40	0.15	0.14	93.6	25.34	478.2	0	13.9	2.77	104
HEGT60	28741	0.	0.	142.	0.	118.	-109.	A	4.	4.	1.16	0.15	0.06	20.9	5.67	502.7	1	5.8	1.15	111
HEGT60	28741	0.	0.	304.	0.	165.	-115.	A	4.	23.	1.76	0.15	0.14	45.8	12.40	514.6	0	8.3	1.65	87
HEGT00	28741	0.	0.	141.	0.	118.	-108.	A	4.	4.	1.13	0.15	0.07	19.9	5.37	480.8	1	5.6	1.12	112
HEGT00	28741	0.	0.	187.	0.	132.	-108.	A	4.	10.	1.40	0.15	0.11	25.7	6.95	468.3	1	6.0	1.18	97
FCMCCL	28741	0.	0.	128.	0.	118.	-95.		4.	4.	1.18	0.15	0.15	19.2	5.19	510.7	3	5.4	1.08	122
FCMCCL	28741	0.	0.	194.	0.	151.	-52.		4.	17.	1.56	0.15	0.34	30.4	8.22	533.6	2	5.7	1.14	108
FCSTCL	28741	0.	0.	127.	0.	118.	-94.		4.	4.	1.21	0.15	0.16	16.6	5.03	499.2	3	5.4	1.07	122
FCSTCL	28741	0.	0.	243.	0.	178.	-9.		4.	28.	2.00	0.15	0.41	38.0	10.30	535.3	3	5.8	1.15	105
IGGTST	28741	0.	0.	132.	0.	118.	-99.		4.	4.	1.22	0.15	0.13	18.8	5.10	486.4	2	5.5	1.09	119
IGGTST	28741	0.	0.	226.	0.	158.	-61.		4.	20.	1.34	0.15	0.30	31.2	8.43	470.0	3	5.6	1.12	99
OTSOAR	28741	0.	132.	0.	0.	-14.	33.		4.	4.	0.54	0.15	0.13	6.9	1.88	180.1	4	5.1	1.00	132
OTSOAR	28741	0.	215.	0.	0.	-62.	150.		4.	18.	0.54	0.15	0.29	10.7	2.91	170.6	2	5.2	1.04	109

ECS	PROCS	FUEL USE IN BTU*10**6 **COGENERATION CASE** DISTIL	RESIDL	COAL	**NOCOGEN - COGEN** DISTIL	RESIDL	COAL	POWER REQD MW	COGEN POWER MW	O&M	POWER /HEAT RATIO	FESR	CAPITAL COST *10**6	NORM COST	$/KW EQVL	ROI (%)	LEVL CHRG	NORM ENRG	WRTH
GTAC08	28741	0.	128.	0.	0.	-10.	33.	4.	4.	0.53	0.15	0.15	6.4	1.73	170.2	9	4.9	0.97	135
GTAC08	28741	0.	179.	0.	0.	-36.	116.	4.	14.	0.46	0.15	0.31	8.3	2.24	157.5	11	4.6	0.92	120
GTAC12	28741	0.	129.	0.	0.	-10.	33.	4.	4.	0.53	0.15	0.15	6.4	1.73	169.9	9	4.9	0.97	135
GTAC12	28741	0.	198.	0.	0.	-46.	145.	4.	18.	0.50	0.15	0.33	9.5	2.58	164.2	9	4.7	0.93	115
GTAC16	28741	0.	129.	0.	0.	-11.	33.	4.	4.	0.53	0.15	0.15	6.5	1.77	173.1	8	4.9	0.98	135
GTAC16	28741	0.	212.	0.	0.	-55.	165.	4.	20.	0.54	0.15	0.34	10.8	2.92	173.7	7	4.8	0.96	112
GTWC16	28741	0.	131.	0.	0.	-13.	33.	4.	4.	0.54	0.15	0.13	6.8	1.85	177.8	5	5.0	1.00	132
GTWC16	28741	0.	227.	0.	0.	-60.	172.	4.	21.	0.55	0.15	0.32	11.2	3.02	167.5	3	5.2	1.03	108
CC1626	28741	0.	131.	0.	0.	-13.	33.	4.	4.	0.61	0.15	0.13	6.9	1.87	180.1	3	5.1	1.02	133
CC1626	28741	0.	310.	0.	0.	-115.	292.	4.	36.	0.81	0.15	0.36	15.7	4.26	173.1	0	5.7	1.13	104
CC1622	28741	0.	130.	0.	0.	-12.	33.	4.	4.	0.60	0.15	0.14	6.7	1.80	175.0	4	5.1	1.00	134
CC1622	28741	0.	283.	0.	0.	-96.	263.	4.	32.	0.77	0.15	0.37	14.8	4.01	178.8	2	5.4	1.07	105
CC1222	28741	0.	130.	0.	0.	-12.	33.	4.	4.	0.60	0.15	0.14	6.5	1.77	171.7	5	5.0	1.00	134
CC1222	28741	0.	280.	0.	0.	-94.	262.	4.	32.	0.76	0.15	0.37	14.1	3.82	171.6	3	5.3	1.04	105
CC0822	28741	0.	128.	0.	0.	-10.	33.	4.	4.	0.61	0.15	0.15	6.7	1.81	178.1	5	5.0	1.00	135
CC0822	28741	0.	237.	0.	0.	-66.	210.	4.	26.	0.69	0.15	0.38	12.2	3.31	175.9	6	4.9	0.97	109
STIG15	28741	0.	144.	0.	0.	-25.	33.	4.	4.	0.58	0.15	0.05	6.9	1.87	164.2	0	5.4	1.08	124
STIG15	28741	0.	7077.	0.	0.	-5031.	6488.	4.	790.	12.38	0.15	0.17	206.7	55.95	99.7	0	94.1	18.67	504
STIG10	28741	0.	140.	0.	0.	-22.	33.	4.	4.	0.56	0.15	0.07	6.7	1.81	162.2	0	5.3	1.05	127
STIG10	28741	0.	694.	0.	0.	-407.	600.	4.	73.	1.40	0.15	0.22	23.9	6.46	117.3	0	11.3	2.24	107
STIG1S	28741	0.	139.	0.	0.	-21.	33.	4.	4.	0.56	0.15	0.08	6.6	1.78	161.8	0	5.2	1.04	128
STIG1S	28741	0.	436.	0.	0.	-223.	352.	4.	43.	1.00	0.15	0.23	16.2	4.39	126.8	0	8.2	1.62	98
DEADV3	28741	0.	136.	0.	0.	-13.	33.	4.	4.	0.62	0.15	0.10	8.8	2.37	220.3	0	5.4	1.08	126
DEADV3	28741	0.	437.	0.	0.	-212.	390.	4.	48.	1.23	0.15	0.29	32.4	8.76	252.7	0	9.3	1.84	104
DEHTP1	28741	0.	129.	0.	0.	-11.	33.	4.	4.	0.65	0.15	0.15	8.9	2.40	235.1	0	5.3	1.05	131
DEHTPM	28741	0.	214.	0.	0.	-55.	171.	4.	21.	0.79	0.15	0.35	16.6	4.50	264.7	0	5.6	1.12	110
DESOA3	28741	138.	0.	0.	-138.	118.	33.	4.	4.	0.60	0.15	0.08	7.8	2.12	193.7	0	6.3	1.25	130
DESOA3	28741	521.	0.	0.	-521.	243.	453.	4.	55.	1.60	0.15	0.25	46.0	12.46	301.4	0	15.5	3.07	128
DESOA3	28741	0.	138.	0.	0.	-20	33.	4.	4.	0.60	0.15	0.08	7.8	2.12	193.7	0	5.4	1.07	126
DESOA3	28741	0.	521.	0.	0.	-278.	453.	4.	55.	1.60	0.15	0.25	46.0	12.46	301.4	0	12.1	2.40	111
GTSOAD	28741	130.	0.	0.	-130.	118.	33.	4.	4.	0.52	0.15	0.14	6.2	1.68	163.9	0	5.7	1.14	139
GTSOAD	28741	199.	0.	0.	-199.	150.	140.	4.	17.	0.48	0.15	0.31	8.6	2.33	147.3	0	6.0	1.19	122
GTRA08	28741	131.	0.	0.	-131.	118.	33.	4.	4.	0.54	0.15	0.13	7.1	1.93	185.5	0	5.9	1.17	136
GTRA08	28741	269.	0.	0.	-269.	177.	231.	4.	28.	0.65	0.15	0.34	14.5	3.92	183.6	0	7.3	1.44	113
GTRA12	28741	131.	0.	0.	-131.	118.	33.	4.	4.	0.54	0.15	0.13	7.0	1.91	184.1	0	5.9	1.17	136
GTRA12	28741	262.	0.	0.	-262.	176.	226.	4.	28.	0.65	0.15	0.35	14.5	3.92	188.4	0	7.1	1.41	113
GTRA16	28741	130.	0.	0.	-130.	118.	33.	4.	4.	0.55	0.15	0.14	7.2	1.96	189.4	0	5.9	1.17	136
GTRA16	28741	251.	0.	0.	-251.	171.	211.	4.	26.	0.65	0.15	0.34	14.6	3.95	198.4	0	7.1	1.40	113
GTR208	28741	131.	0.	0.	-131.	118.	33.	4.	4.	0.54	0.15	0.13	6.8	1.84	178.1	0	5.9	1.16	137
GTR208	28741	227.	0.	0.	-227.	160.	175.	4.	21.	0.56	0.15	0.32	11.5	3.10	172.4	0	6.6	1.31	116
GTR212	28741	131.	0.	0.	-131.	118.	33.	4.	4.	0.54	0.15	0.13	6.9	1.88	181.2	0	5.9	1.17	137
GTR212	28741	236.	0.	0.	-236.	164.	137.	4.	23.	0.59	0.15	0.33	12.4	3.35	179.0	0	6.8	1.34	115
GTR216	28741	130.	0.	0.	-130.	118.	33.	4.	4.	0.54	0.15	0.14	7.0	1.90	183.9	0	5.9	1.16	137
GTR216	28741	237.	0.	0.	-237.	166.	192.	4.	23.	0.61	0.15	0.34	13.1	3.54	188.5	0	6.8	1.35	114

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SUMMARY OF FUEL SAVED BY TYPE & ECONOMICS

ECS	PROCS	FUEL USE IN DTU=10**6 **COGENERATION CASE** DISTIL	RESIDL	COAL	**NOCOGEN - COGEN** DISTIL	RESIDL	COAL	POWER REQD MW	COGEN POWER MW	O&M	POWER /HEAT RATIO	FESR	CAPITAL COST *10**6	NORM COST	$/KW EQVL	ROI (%)	LEVL CHRG	NORM WRTH ENRG	
GTRW08	28741	134.	0.	0.	-134.	118.	33.	4.	4.	0.55	0.15	0.11	7.2	1.95	183.4	0	6.0	1.20	134
GTRW08	28741	327.	0.	0.	-327.	191.	276.	4.	34.	0.71	0.15	0.30	15.9	4.30	166.0	0	8.5	1.69	110
GTRW12	28741	133.	0.	0.	-133.	118.	33.	4.	4.	0.55	0.15	0.12	7.2	1.95	184.9	0	6.0	1.19	134
GTRW12	28741	321.	0.	0.	-321.	192.	281.	4.	34.	0.71	0.15	0.32	16.0	4.34	170.6	0	8.2	1.63	111
GTRW16	28741	133.	0.	0.	-133.	118.	33.	4.	4.	0.55	0.15	0.12	7.4	1.99	189.3	0	6.0	1.19	134
GTRW16	28741	303.	0.	0.	-303.	186.	261.	4.	32.	0.70	0.15	0.32	15.9	4.31	179.2	0	8.0	1.59	111
GTR308	28741	135.	0.	0.	-135.	118.	33.	4.	4.	0.54	0.15	0.10	6.9	1.86	173.5	0	6.0	1.20	134
GTR308	28741	283.	0.	0.	-283.	171.	211.	4.	26.	0.62	0.15	0.26	12.8	3.48	155.0	0	8.0	1.58	109
GTR312	28741	133.	0.	0.	-133.	118.	33.	4.	4.	0.54	0.15	0.12	7.0	1.89	179.9	0	5.9	1.18	135
GTR312	28741	276.	0.	0.	-276.	176.	227.	4.	28.	0.63	0.15	0.32	13.4	3.63	165.5	0	7.5	1.48	112
GTR316	28741	133.	0.	0.	-133.	118.	33.	4.	4.	0.55	0.15	0.12	7.2	1.94	184.3	0	6.0	1.19	135
GTR316	28741	274.	0.	0.	-274.	175.	224.	4.	27.	0.64	0.15	0.31	13.9	3.76	172.6	0	7.5	1.49	111
FCPADS	28741	137.	0.	0.	-137.	118.	33.	4.	4.	0.83	0.15	0.09	7.1	1.91	175.8	0	6.4	1.27	134
FCPADS	28741	541.	0.	0.	-541.	256.	495.	4.	60.	6.39	0.15	0.28	36.5	9.88	230.1	0	19.0	3.78	150
FCMCDS	28741	132.	0.	0.	-132.	118.	33.	4.	4.	0.80	0.15	0.12	7.2	1.95	186.1	0	6.2	1.23	136
FCMCDS	28741	395.	0.	0.	-395.	225.	391.	4.	48.	4.80	0.15	0.36	31.1	8.43	269.1	0	14.0	2.78	137

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ECS	PROCS	FUEL USE IN BTU*10**6 **COGENERATION CASE** DISTIL	RESIDL	COAL	**NOCOGEN - COGEN** DISTIL	RESIDL	COAL		POWER REQD MW	COGEN POWER MW	O&M	POWER /HEAT RATIO	FESR	CAPITAL COST *10**6	NORM COST	$/KW EQVL	ROI (%)	LEVL CHRG	NORM ENRG	WRTH
ONOCGN	28951	0.	33.	33.	0.	0.	0.		4.	0.	0.18	0.68	0.	1.4	1.00	202.3	0	2.2	1.00	80
STM141	28951	0.	36.	21.	0.	-2.	12.		4.	1.	0.27	0.68	0.15	2.6	1.83	297.1	8	2.2	0.98	116
STM141	28951	0.	6.	50.	0.	27.	-17.	F	4.	1.	0.43	0.68	0.15	4.4	3.13	506.9	6	2.2	0.98	107
STM141	28951	0.	6.	50.	0.	27.	-17.	A	4.	1.	0.38	0.68	0.1[illegible]	4.0	2.84	460.0	9	2.1	0.94	108
STM088	28951	0.	35.	24.	0.	-2.	9.		4.	1.	0.26	0.68	0.11	2.2	1.56	265.6	9	2.2	0.98	113
STM088	28951	0.	7.	52.	0.	26.	-19.	F	4.	1.	0.42	0.68	0.11	4.0	2.85	484.1	6	2.2	0.99	102
STM088	28951	0.	7.	52.	0.	26.	-19.	A	4.	1.	0.37	0.68	0.11	3.7	2.65	451.5	8	2.1	0.95	102
PFBSTM	28951	0.	4.	47.	0.	29.	-14.		4.	2.	0.48	0.68	0.22	5.9	4.21	613.4	5	2.2	0.99	117
TISTMT	28951	0.	38.	9.	0.	-5.	24.		4.	3.	0.49	0.68	0.29	11.0	7.89	1055.5	0	3.0	1.37	131
TISTMT	28951	0.	3.	44.	0.	31.	-12.		4.	3.	0.69	0.68	0.29	14.0	10.03	1342.7	0	3.1	1.41	130
TIHRSG	28951	0.	37.	23.	0.	-3.	10.		4.	1.	0.36	0.68	0.10	9.1	6.51	1032.4	0	3.0	1.36	101
TIHRSG	28951	0.	7.	53.	0.	27.	-20.		4.	1.	0.53	0.68	0.10	11.7	8.41	1333.1	0	3.1	1.42	101
STIRL	28951	43.	1.	5.	-43.	32.	28.		4.	3.	0.25	0.68	0.25	2.7	1.92	211.2	3	2.2	1.01	135
STIRL	28951	0.	45.	5.	0.	-11.	28.		4.	3.	0.25	0.68	0.25	2.7	1.92	211.4	17	2.0	0.89	132
STIRL	28951	0.	1.	48.	0.	32.	-15.		4.	3.	0.42	0.68	0.25	5.0	3.55	390.2	12	1.9	0.84	121
HEGT85	28951	0.	0.	55.	0.	33.	-23.	A	4.	4.	0.79	0.68	0.16	15.5	11.13	956.9	0	3.4	1.53	129
HEGT85	28951	0.	0.	94.	0.	45.	-21.	A	4.	9.	0.89	0.68	0.20	23.3	16.70	849.9	0	4.1	1.85	122
HEGT60	28951	0.	0.	55.	0.	33.	-22.	A	4.	4.	0.68	0.68	0.17	14.0	10.05	875.4	0	3.1	1.40	127
HEGT60	28951	0.	0.	57.	0.	34.	-22.	A	4.	4.	0.59	0.68	0.18	14.2	10.19	843.8	0	3.0	1.36	116
HEGT00	28951	0.	5.	56.	0.	29.	-23.	A	4.	2.	0.41	0.68	0.09	8.6	6.16	741.1	0	2.6	1.17	100
FCMCCL	28951	0.	1.	44.	0.	33.	-11.		4.	4.	0.56	0.68	0.32	10.3	7.42	838.2	2	2.5	1.12	130
FCSTCL	28951	0.	0.	42.	0.	33.	-10.		4.	4.	0.79	0.68	0.36	11.3	8.12	911.1	0	2.8	1.24	148
FCSTCL	28951	0.	0.	52.	0.	39.	-2.		4.	6.	0.74	0.68	0.41	12.9	9.25	838.9	1	2.7	1.20	139
100TST	28951	0.	0.	47.	0.	33.	-14.		4.	4.	0.73	0.68	0.29	11.4	8.18	827.7	0	2.8	1.26	139
100TST	28951	0.	0.	49.	0.	34.	-13.		4.	4.	0.64	0.68	0.30	11.3	8.14	791.5	1	2.7	1.20	128
OTSOAP	28951	0.	46.	1.	0.	-12.	31.		4.	4.	0.24	0.68	0.29	3.6	2.57	270.9	12	2.0	0.89	133
GTAC08	28951	0.	41.	7.	0.	-8.	25.		4.	3.	0.21	0.68	0.26	2.7	1.97	240.1	19	1.9	0.86	133
GTAC12	28951	0.	43.	1.	0.	-10.	31.		4.	4.	0.23	0.68	0.33	3.0	2.18	242.5	13	1.8	0.83	138
GTAC16	28951	0.	44.	0.	0.	-10.	33.		4.	4.	0.30	0.68	0.34	3.4	2.47	268.3	14	1.9	0.87	150
GTAC16	28951	0.	45.	0.	0.	-11.	35.		4.	4.	0.24	0.68	0.35	3.4	2.42	254.4	17	1.8	0.83	139
GTWC16	28951	0.	46.	0.	0.	-13.	33.		4.	4.	0.32	0.68	0.30	3.8	2.73	281.0	10	2.1	0.93	145
GTWC16	28951	0.	50.	0.	0.	-15.	38.		4.	5.	0.25	0.68	0.31	3.8	2.72	261.5	12	2.0	0.89	135
CC1626	28951	0.	46.	0.	0.	-13.	33.		4.	4.	0.43	0.68	0.[illegible]	4.2	3.03	312.0	5	2.2	1.00	145
CC1626	28951	0.	67.	0.	0.	-25.	63.		4.	8.	0.40	0.68	0.36	5.3	3.82	270.8	5	2.2	1.01	134
CC1622	28951	0.	45.	0.	0.	-12.	33.		4.	4.	0.42	0.68	0.32	4.0	2.84	297.9	7	2.2	0.97	147
CC1622	28951	0.	61.	0.	0.	-21.	57.		4.	7.	0.37	0.68	0.37	4.7	3.39	263.7	7	2.1	0.95	137
CC1222	28951	0.	45.	0.	0.	-12.	33.		4.	4.	0.42	0.68	0.32	3.8	2.74	288.6	7	2.1	0.96	148
CC1222	28951	0.	61.	0.	0.	-20.	56.		4.	7.	0.37	0.68	0.37	4.5	3.23	253.8	8	2.1	0.94	137
CC0822	28951	0.	44.	0.	0.	-10.	33.		4.	4.	0.41	0.68	0.34	3.9	2.78	303.6	9	2.1	0.94	150
CC0822	28951	0.	51.	0.	0.	-14.	45.		4.	6.	0.35	0.68	0.38	4.1	2.95	274.3	10	2.0	0.90	140
ST1015	28951	0.	59.	0.	0.	-25.	33.		4.	4.	0.43	0.68	0.11	4.5	3.19	258.3	0	2.6	1.17	125
ST1015	28951	0.	1538.	0.	0.	-1004.	1410.		4.	172.	3.19	0.68	0.17	51.1	36.63	113.3	0	22.2	10.01	288
ST1010	28951	0.	56.	0.	0.	-22.	33.		4.	4.	0.40	0.68	0.16	4.1	2.96	253.3	0	2.4	1.10	130

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ECS	PROCS	FUEL USE IN BTU=10**6 **COGENERATION CASE** DISTIL	RESIDL	COAL	**NOCOGEN - COGEN** DISTIL	RESIDL	COAL	POWER REQD MW	COGEN POWER MW	O&M	POWER /HEAT RATIO	FESR	CAPITAL COST *10**6	NORM COST	$/KW EQVL	ROI (%)	LEVL CHRG	NORM ENRG	WRTH
STI010	28951	0.	151.	0.	0.	-88.	130.	4.	16.	0.52	0.68	0.22	7.8	5.61	176.9	0	3.5	1.58	109
STI01S	28951	0.	54.	0.	0.	-21.	33.	4.	4.	0.39	0.68	0.18	4.0	2.84	249.8	0	2.4	1.07	133
STI01S	28951	0.	95.	0.	0.	-48.	77.	4.	9.	0.39	0.68	0.23	5.4	3.88	194.6	0	2.7	1.23	119
DEADV3	28951	0.	50.	0.	0.	-17.	33.	4.	4.	0.43	0.68	0.24	5.7	4.07	385.5	0	2.5	1.12	137
DEADV3	28951	0.	86.	0.	0.	-39.	76.	4.	9.	0.43	0.68	0.30	7.9	5.66	314.6	0	2.8	1.24	125
DEHTPM	28951	0.	43.	0.	0.	-9.	33.	4.	4.	0.42	0.68	0.36	5.3	3.81	425.5	5	2.2	0.99	149
DEHTPM	28951	0.	46.	0.	0.	-11.	39.	4.	5.	0.35	0.68	0.38	5.4	3.89	401.6	7	2.1	0.95	139
DESOA3	28951	52.	0.	0.	-52.	33.	33.	4.	4.	0.41	0.68	0.21	4.8	3.42	310.5	0	2.8	1.25	138
DESOA3	28951	100.	0.	0.	-100.	50.	87.	4.	11.	0.48	0.68	0.27	9.3	6.70	318.3	0	3.8	1.71	127
DESOA3	28951	0.	52.	0.	0.	-19.	33.	4.	4.	0.41	0.68	0.21	4.8	3.42	310.5	0	2.4	1.09	134
DESOA3	28951	0.	100.	0.	0.	-51.	87.	4.	11.	0.48	0.68	0.27	9.3	6.70	318.3	6	3.1	1.42	120
GTSOAD	28951	43.	1.	3.	-43.	32.	30.	4.	4.	0.22	0.68	0.30	2.8	2.01	224.6	9	2.1	0.96	140
GTRA00	28951	45.	0.	0.	-45.	33.	33.	4.	4.	0.35	0.68	0.31	4.3	3.07	321.5	0	2.4	1.08	148
GTRA00	28951	55.	0.	0.	-55.	38.	47.	4.	6.	0.28	0.68	0.35	4.7	3.37	290.6	0	2.4	1.08	140
GTRA12	28951	45.	0.	0.	-45.	33.	33.	4.	4.	0.35	0.68	0.32	4.2	3.01	317.2	0	2.4	1.07	149
GTRA12	28951	54.	0.	0.	-54.	38.	47.	4.	6.	0.28	0.68	0.36	4.6	3.30	288.9	0	2.4	1.07	140
GTRA16	28951	45.	0.	0.	-45.	33.	33.	4.	4.	0.35	0.68	0.32	4.4	3.12	329.6	0	2.4	1.08	149
GTRA16	28951	52.	0.	0.	-52.	37.	44.	4.	5.	0.28	0.68	0.35	4.7	3.35	304.3	0	2.4	1.07	140
GTR208	28951	45.	0.	0.	-45.	33.	33.	4.	4.	0.32	0.68	0.32	3.8	2.71	285.5	1	2.3	1.04	150
GTR208	28951	48.	0.	0.	-48.	35.	37.	4.	4.	0.25	0.68	0.33	3.8	2.69	267.5	4	2.2	1.01	140
GTR212	28951	45.	0.	0.	-45.	33.	33.	4.	4.	0.33	0.68	0.31	4.0	2.85	299.2	0	2.3	1.06	149
GTR212	28951	50.	0.	0.	-50.	35.	40.	4.	5.	0.26	0.68	0.33	4.0	2.90	276.6	2	2.3	1.03	140
GTR216	28951	45.	0.	0.	-45.	33.	33.	4.	4.	0.33	0.68	0.32	4.1	2.92	309.5	0	2.3	1.06	150
GTR216	28951	50.	0.	0.	-50.	36.	40.	4.	5.	0.26	0.68	0.34	4.2	3.01	286.8	2	2.3	1.04	140
GTRW08	28951	49.	0.	0.	-49.	33.	33.	4.	4.	0.37	0.68	0.26	4.5	3.19	311.1	0	2.6	1.15	143
GTRW08	28951	67.	0.	0.	-67.	41.	57.	4.	7.	0.31	0.68	0.31	5.3	3.83	269.9	0	2.7	1.22	134
GTRW12	28951	48.	0.	0.	-48.	33.	33.	4.	4.	0.36	0.68	0.28	4.5	3.19	317.9	0	2.5	1.14	145
GTRW12	28951	67.	0.	0.	-67.	41.	58.	4.	7.	0.31	0.68	0.33	5.4	3.88	276.3	0	2.7	1.20	136
GTRW16	28951	48.	0.	0.	-48.	33.	33.	4.	4.	0.37	0.68	0.28	4.5	3.29	328.6	0	2.5	1.14	145
GTRW16	28951	64.	0.	0.	-64.	40.	55.	4.	7.	0.31	0.68	0.33	5.4	3.88	290.3	0	2.8	1.19	136
GTR308	28951	50.	0.	0.	-50.	33.	33.	4.	4.	0.34	0.68	0.25	4.0	2.86	274.1	0	2.5	1.13	143
GTR308	28951	58.	0.	0.	-58.	36.	48.	4.	5.	0.27	0.68	0.27	4.2	3.00	246.2	0	2.5	1.14	133
GTR312	28951	47.	0.	0.	-47.	33.	33.	4.	4.	0.35	0.68	0.28	4.1	2.97	298.3	0	2.5	1.11	146
GTR312	28951	59.	0.	0.	-59.	38.	48.	4.	6.	0.28	0.68	0.32	4.6	3.26	264.5	0	2.5	1.12	137
GTR316	28951	48.	0.	0.	-48.	33.	33.	4.	4.	0.35	0.68	0.28	4.3	3.10	309.8	0	2.5	1.12	145
GTR316	28951	58.	0.	0.	-58.	38.	48.	4.	6.	0.29	0.68	0.32	4.7	3.40	277.0	0	2.5	1.13	136
FCPADS	28951	52.	0.	0.	-52.	33.	33.	4.	4.	0.65	0.68	0.21	4.0	2.90	264.1	0	2.9	1.32	142
FCPADS	28951	118.	0.	0.	-118.	56.	108.	4.	13.	1.47	0.68	0.28	8.6	6.15	249.0	0	4.9	2.19	137
FCMCDS	28951	48.	0.	0.	-48.	33.	33.	4.	4.	0.62	0.68	0.28	4.2	2.98	298.3	0	2.7	1.23	149
FCMCDS	28951	86.	0.	0.	-86.	49.	85.	4.	10.	1.12	0.68	0.36	7.3	5.21	289.0	0	3.7	1.68	141

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ECS	PROCS	FUEL USE IN BTU*10**6 — **COGENERATION CASE** DISTIL	RESIDL	COAL	**NOCOGEN - COGEN** DISTIL	RESIDL	COAL		POWER REQD MW	COGEN POWER MW	O&M	POWER /HEAT RATIO	FESR	CAPITAL COST *10**6	NORM COST	$/KW EQVL	ROI (%)	LEVL CHRG	NORM ENRG	WRTH
ONOCGN	29111	0.	476.	115.	0.	0.	0.		14.	0.	0.71	0.13	0.	13.9	1.00	107.2	0	21.0	1.00	80
STM141	29111	0.	497.	0.	0.	-22.	115.		14.	14.	1.05	0.13	0.16	15.1	1.09	103.7	76	18.5	0.88	145
STM141	29111	0.	512.	0.	0.	-27.	144.		14.	18.	0.88	0.13	0.19	15.9	1.15	106.1	61	18.2	0.87	135
STM141	29111	0.	0.	497.	0.	476.	-382.	F	14.	14.	2.21	0.13	0.16	33.4	2.41	229.2	22	15.0	0.72	124
STM141	29111	0.	0.	512.	0.	484.	-367.	F	14.	18.	1.83	0.13	0.19	29.8	2.15	198.9	29	13.8	0.66	117
STM141	29111	0.	0.	497.	0.	476.	-382.	A	14.	14.	2.05	0.13	0.16	26.3	1.90	180.2	33	14.1	0.67	127
STM141	29111	0.	0.	512.	0.	484.	-367.	A	14.	18.	1.66	0.13	0.19	21.1	1.52	140.8	57	12.7	0.61	122
STM088	29111	0.	494.	19.	0.	-18.	96.		14.	12.	0.83	0.13	0.13	14.1	1.02	98.6	179	18.7	0.89	132
STM088	29111	0.	6.	507.	0.	470.	-392.	F	14.	12.	1.72	0.13	0.13	27.5	1.99	192.4	29	14.5	0.69	112
STM088	29111	0.	6.	507.	0.	470.	-392.	A	14.	12.	1.60	0.13	0.13	19.9	1.44	139.2	60	13.6	0.65	118
PFBSTM	29111	0.	0.	500.	0.	476.	-385.		14.	14.	2.64	0.13	0.15	35.9	2.59	244.7	19	15.8	0.75	123
PFBSTM	29111	0.	0.	573.	0.	518.	-316.		14.	31.	2.89	0.13	0.26	35.9	2.59	213.9	22	13.9	0.66	116
TISTMT	29111	0.	499.	0.	0.	-24.	115.		14.	14.	1.80	0.13	0.15	44.4	3.20	303.6	0	22.5	1.07	128
TISTMT	29111	0.	619.	0.	0.	-72.	353.		14.	43.	2.77	0.13	0.31	89.1	6.43	490.9	0	26.3	1.25	118
TISTMT	29111	0.	0.	499.	0.	476.	-384.		14.	14.	3.03	0.13	0.15	65.6	4.74	448.7	7	19.4	0.92	119
TISTMT	29111	0.	0.	619.	0.	547.	-266.		14.	43.	3.99	0.13	0.31	112.8	8.14	622.1	4	21.8	1.04	111
TIHRSG	29111	0.	539.	0.	0.	-63.	115.		14.	14.	2.07	0.13	0.09	58.8	4.24	372.5	0	25.4	1.21	119
TIHRSG	29111	0.	619.	0.	0.	-115.	209.		14.	26.	2.52	0.13	0.13	85.2	6.15	469.9	0	28.9	1.38	110
TIHRSG	29111	0.	0.	539.	0.	476.	-424.		14.	14.	3.39	0.13	0.09	82.4	5.95	521.9	3	22.3	1.06	112
TIHRSG	29111	0.	0.	619.	0.	504.	-409.		14.	26.	3.77	0.13	0.13	109.0	7.87	601.1	1	24.7	1.18	103
STIRL	29111	528.	0.	0.	-528.	476.	115.		14.	14.	1.20	0.13	0.11	22.1	1.59	142.7	0	24.1	1.15	136
STIRL	29111	744.	0.	0.	-744.	561.	402.		14.	49.	1.49	0.13	0.23	39.3	2.83	180.1	0	27.6	1.32	116
STIRL	29111	0.	528.	0.	0.	-52.	115.		14.	14.	1.20	0.13	0.11	22.1	1.59	142.8	10	20.4	0.97	132
STIRL	29111	0.	744.	0.	0.	-183.	402.		14.	49.	1.49	0.13	0.23	39.3	2.84	180.3	0	22.3	1.06	109
STIRL	29111	0.	0.	528.	0.	476.	-413.		14.	14.	2.39	0.13	0.11	41.3	2.98	267.0	15	16.5	0.79	116
STIRL	29111	0.	0.	744.	0.	561.	-342.		14.	49.	2.99	0.13	0.23	69.4	5.01	318.3	10	17.0	0.81	96
HEGTGO	29111	0.	0.	500.	0.	476.	-473.	A	14.	14.	2.61	0.13	0.00	52.3	3.77	303.5	8	19.1	0.91	103
HEGTGO	29111	0.	0.	2144.	0.	840.	-808.	A	14.	163.	7.44	0.13	0.01	182.0	13.13	209.6	0	36.7	1.75	66
HEGTOO	29111	0.	0.	564.	0.	476.	-449.	A	14.	14.	2.55	0.13	0.05	49.6	3.58	300.4	10	18.3	0.88	108
HEGTOO	29111	0.	0.	804.	0.	543.	-463.	A	14.	41.	3.10	0.13	0.09	72.0	5.19	305.5	6	20.2	0.96	86
FCHCCL	29111	0.	0.	511.	0.	476.	-396.		14.	14.	2.72	0.13	0.13	48.4	3.50	323.3	11	17.5	0.84	118
FCHCCL	29111	0.	0.	797.	0.	615.	-214.		14.	71.	4.75	0.13	0.34	83.8	6.05	358.9	8	17.2	0.82	98
FCSTCL	29111	0.	0.	508.	0.	476.	-393.		14.	14.	2.72	0.13	0.14	47.4	3.42	318.3	12	17.4	0.83	119
FCSTCL	29111	0.	0.	915.	0.	684.	-102.		14.	99.	5.57	0.13	0.39	97.4	7.03	363.3	9	16.1	0.77	93
IGGTST	29111	0.	0.	527.	0.	476.	-412.		14.	14.	2.46	0.13	0.11	46.5	3.35	301.2	12	17.3	0.83	115
IGGTST	29111	0.	0.	852.	0.	607.	-299.		14.	67.	2.71	0.13	0.27	74.9	5.40	299.8	10	16.0	0.76	90
GTSOAR	29111	0.	530.	0.	0.	-55.	115.		14.	14.	1.13	0.13	0.10	21.9	1.58	140.6	10	20.3	0.97	131
GTSOAR	29111	0.	963.	0.	0.	-321.	672.		14.	82.	1.32	0.13	0.27	34.3	2.48	121.7	0	21.9	1.05	104
GTAC08	29111	0.	511.	0.	0.	-35.	115.		14.	14.	1.03	0.13	0.14	17.7	1.28	118.3	30	19.2	0.91	139
GTAC08	29111	0.	727.	0.	0.	-145.	472.		14.	58.	1.01	0.13	0.31	23.5	1.69	110.3	24	17.8	0.86	120
GTAC12	29111	0.	512.	0.	0.	-37.	115.		14.	14.	1.10	0.13	0.13	20.9	1.50	138.8	17	19.6	0.94	135
GTAC12	29111	0.	810.	0.	0.	-191.	594.		14.	72.	1.14	0.13	0.33	28.2	2.04	118.9	17	18.1	0.86	113
GTAC16	29111	0.	516.	0.	0.	-40.	115.		14.	14.	1.11	0.13	0.13	21.3	1.54	141.0	15	19.8	0.94	134

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ECS	PROCS	-----FUEL USE IN BTU*10**6----- **COGENERATION CASE** DISTIL	RESIDL	COAL	**NOCOGEN - COGEN** DISTIL	RESIDL	COAL	POWER REQD MW	COGEN POWER MW	O&M	POWER /HEAT RATIO	FESR	CAPITAL COST *10**6	NORM COST	$/KW EQVL	ROI (%)	LEVL CHRG	NORM ENRG	WRTH
GTAC16	29111	0.	888.	0.	0.	-241.	691.	14.	84.	1.27	0.13	0.34	32.8	2.37	126.1	12	18.9	0.90	109
GTWC16	29111	0.	520.	0.	0.	-45.	115.	14.	14.	1.12	0.13	0.12	21.5	1.55	141.1	13	20.0	0.95	133
GTWC16	29111	0.	925.	0.	0.	-274.	701.	14.	85.	1.23	0.13	0.32	30.8	2.22	113.7	11	19.5	0.93	108
CC1626	29111	0.	522.	0.	0.	-47.	115.	14.	14.	1.21	0.13	0.12	21.6	1.55	141.2	11	20.2	0.96	133
CC1626	29111	0.	1168.	0.	0.	-419.	1031.	14.	126.	1.69	0.13	0.34	41.8	3.01	122.0	5	20.9	1.00	103
CC1622	29111	0.	519.	0.	0.	-43.	115.	14.	14.	1.20	0.13	0.12	21.4	1.54	140.5	12	20.0	0.96	134
CC1622	29111	0.	1066.	0.	0.	-349.	925.	14.	113.	1.60	0.13	0.35	39.9	2.88	127.6	8	19.9	0.95	104
CC1222	29111	0.	518.	0.	0.	-43.	115.	14.	14.	1.20	0.13	0.12	21.0	1.52	138.3	13	20.0	0.95	134
CC1222	29111	0.	1057.	0.	0.	-341.	919.	14.	112.	1.57	0.13	0.35	37.7	2.72	121.8	9	19.5	0.93	105
CC0822	29111	0.	513.	C.	0.	-37.	115.	14.	14.	1.20	0.13	0.13	21.1	1.52	140.1	14	19.8	0.95	135
CC0822	29111	0.	893.	0.	0.	-235.	724.	14.	88.	1.37	0.13	0.35	31.0	2.24	118.5	15	18.2	0.87	110
DEHTPH	29111	0.	525.	0.	0.	-50.	115.	14.	14.	1.37	0.13	0.11	27.6	1.99	179.2	4	21.0	1.00	129
DEHTPH	29111	0.	872.	0.	0.	-255.	591.	14.	72.	2.25	0.13	0.28	65.5	4.73	256.4	0	25.3	1.21	103
GTS0AD	29111	517.	0.	0.	-517.	476.	115.	14.	14.	1.09	0.13	0.12	20.2	1.46	133.5	0	23.4	1.12	139
GTS0AD	29111	826.	0.	0.	-826.	615.	581.	14.	71.	1.06	0.13	0.31	25.0	1.80	103.2	0	24.5	1.17	121
GTRA08	29111	530.	0.	0.	-530.	476.	115.	14.	14.	1.14	0.13	0.10	22.3	1.61	143.9	0	24.2	1.16	136
GTRA08	29111	1316.	0.	0.	-1316.	779.	1130.	14.	138.	1.87	0.13	0.31	54.2	3.91	140.7	0	34.0	1.62	110
GTRA12	29111	527.	0.	0.	-527.	476.	115.	14.	14.	1.14	0.13	0.11	22.4	1.61	144.8	0	24.1	1.15	136
GTRA12	29111	1235.	0.	0.	-1235.	739.	1064.	14.	130.	1.72	0.13	0.32	48.7	3.51	134.4	0	31.[illegible]	1.51	110
GTRA16	29111	526.	0.	0.	-526.	476.	115.	14.	14.	1.15	0.13	0.11	22.8	1.65	148.2	0	24.[illegible]	1.15	136
GTRA16	29111	1151.	0.	0.	-1151.	730.	966.	14.	118.	1.62	0.13	0.32	48.0	3.46	142.2	0	30.7	1.47	110
GTR208	29111	525.	0.	0.	-525.	476.	115.	14.	14.	1.12	0.13	0.11	21.7	1.56	140.9	0	23.9	1.14	137
GTR208	29111	999.	0.	0.	-999.	671.	769.	14.	94.	1.39	0.13	0.31	36.9	2.66	125.9	0	28.2	1.35	112
GTR212	29111	525.	0.	0.	-525.	476.	115.	14.	14.	1.13	0.13	0.11	22.0	1.59	143.0	0	23.9	1.14	137
GTR212	29111	1040.	0.	0.	-1040.	698.	826.	14.	101.	1.47	0.13	0.31	39.7	2.86	130.1	0	28.8	1.37	111
GTR216	29111	523.	0.	0.	-523.	476.	115.	14.	14.	1.14	0.13	0.11	22.3	1.61	145.4	0	23.9	1.14	137
GTR216	29111	1050.	0.	0.	-1050.	695.	851.	14.	104.	1.54	0.13	0.32	42.6	3.07	138.5	0	28.9	1.38	111
GTRW08	29111	539.	0.	0.	-539.	476.	115.	14.	14.	1.14	0.13	0.09	22.4	1.61	141.7	0	24.6	1.17	134
GTRW08	29111	1564.	0.	0.	-1564.	836.	1321.	14.	161.	1.96	0.13	0.27	57.2	4.13	124.9	0	39.4	1.88	110
GTRW12	29111	533.	0.	0.	-533.	476.	115.	14.	14.	1.14	0.13	0.10	22.4	1.61	143.1	0	24.3	1.16	135
GTRW12	29111	1484.	0.	0.	-1484.	829.	1299.	14.	158.	1.79	0.13	0.30	49.9	3.60	114.7	0	35.8	1.71	111
GTRW16	29111	532.	0.	0.	-532.	476.	115.	14.	14.	1.15	0.13	0.10	22.7	1.64	145.8	0	24.3	1.16	135
GTRW16	29111	1350.	0.	0.	-1350.	790.	1168.	14.	142.	1.73	0.13	0.31	48.4	3.49	121.4	0	34.0	1.62	110
GTR308	29111	544.	0.	0.	-544.	476.	115.	14.	14.	1.13	0.13	0.08	21.8	1.57	136.7	0	24.7	1.18	134
GTR308	29111	1316.	0.	0.	-1316.	734.	981.	14.	120.	1.49	0.13	0.23	39.0	2.81	101.1	0	35.6	1.70	108
GTR312	29111	529.	0.	0.	-529.	476.	115.	14.	14.	1.13	0.13	0.10	21.8	1.58	141.0	C	24.1	1.15	136
GTR312	29111	1180.	0.	0.	-1180.	731.	971.	14.	118.	1.50	0.13	0.31	40.3	2.91	116.5	0	30.0	1.47	111
GTR316	29111	529.	0.	0.	-529.	476.	115.	14.	14.	1.14	0.13	0.10	22.2	1.60	143.4	0	24.1	1.15	136
GTR316	29111	1169.	0.	0.	-1169.	726.	934.	14.	116.	1.53	0.13	0.30	41.4	2.98	120.7	0	30.9	1.47	110
FCPADS	29111	542.	0.	0.	-542.	476.	115.	14.	14.	2.45	0.13	0.09	24.7	1.78	155.8	0	26.2	1.25	133
FCPADS	29111	2206.	0.	0.	-2206.	1044.	2017.	14.	246.	27.73	0.13	0.28	141.3	10.20	218.6	0	81.9	3.91	153
FCMCDS	29111	525.	0.	0.	-525.	476.	115.	14.	14.	2.35	0.13	0.11	25.2	1.82	164.0	0	25.5	1.22	136
FCMCDS	29111	1609.	0.	0.	-1609.	918.	1596.	14.	194.	20.74	0.13	0.36	121.2	8.75	257.0	0	59.9	2.86	138

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ECS	PROCS	FUEL USE IN BTU*10**6 COGENERATION CASE** DISTIL	RESIDL	COAL	**NOCOGEN - COGEN** DISTIL	RESIDL	COAL		POWER REQD MW	COGEN POWER MW	O&M	POWER /HEAT RATIO	FESR	CAPITAL COST *10**6	NORM CCST	$/KW EQVL	ROI (%)	LEVL CHRG	NORM ENRG	WRTH
ONOCGN	29112	0.	1696.	427.	0.	0.	0.		52.	0.	1.57	0.13	0.	41.1	1.00	89.5	0	73.4	1.00	80
STM141	29112	0.	1777.	0.	0.	-81.	427.		52.	52.	2.00	0.13	0.16	44.9	1.09	86.2	100	63.6	0.87	145
STM141	29112	0.	1811.	0.	0.	-94.	496.		52.	60.	1.80	0.13	0.18	44.0	1.07	83.0	131	62.8	0.85	135
STM141	29112	0.	0.	1777.	0.	1696.	-1350.	F	52.	52.	4.99	0.13	0.16	90.4	2.20	173.6	32	47.6	0.65	124
STM141	29112	0.	0.	1811.	0.	1716.	-1315.	F	52.	60.	4.69	0.13	0.18	93.8	2.28	176.7	31	46.6	0.64	115
STM141	29112	0.	0.	1777.	0.	1696.	-1350.	A	52.	52.	4.87	0.13	0.16	72.6	1.75	138.4	48	45.5	0.62	128
STM141	29112	0.	0.	1811.	0.	1716.	-1315.	A	52.	60.	4.50	0.13	0.18	69.6	1.69	131.2	54	43.8	0.60	119
STM088	29112	0.	1758.	101.	0.	-62.	326.		52.	40.	1.69	0.13	0.12	39.8	0.97	78.7	999	65.2	0.89	132
STM088	29112	0.	30.	1829.	0.	1666.	-1402.	F	52.	40.	4.36	0.13	0.12	87.7	2.13	173.3	31	50.0	0.68	109
STM088	29112	0.	30.	1829.	0.	1666.	-1402.	A	52.	40.	4.20	0.13	0.12	61.3	1.49	121.0	64	46.9	0.64	116
PFBSTM	29112	0.	0.	1786.	0.	1696.	-1361.		52.	52.	6.57	0.13	0.16	91.5	2.23	174.7	30	49.5	0.67	124
PFBSTM	29112	0.	0.	2030.	0.	1836.	-1132.		52.	109.	7.86	0.13	0.26	84.8	2.06	142.5	39	43.0	0.59	119
TISTMT	29112	0.	1783.	0.	0.	-87.	427.		52.	52.	4.21	0.13	0.16	126.0	3.06	241.1	4	74.7	1.02	128
TISTMT	29112	0.	2190.	0.	0.	-253.	1235.		52.	150.	6.71	0.13	0.31	234.2	5.70	364.9	0	81.9	1.12	117
TISTMT	29112	0.	0.	1783.	0.	1696.	-1356.		52.	52.	7.18	0.13	0.16	177.6	4.32	339.8	12	59.4	0.81	118
TISTMT	29112	0.	0.	2190.	0.	1937.	-955.		52.	150.	9.91	0.13	0.31	294.5	7.16	458.9	8	62.4	0.85	109
TIHRSG	29112	0.	1930.	0.	0.	-234.	427.		52.	52.	4.95	0.13	0.09	160.8	3.91	284.4	0	83.4	1.14	119
TIHRSG	29112	0.	2200.	0.	0.	-409.	745.		52.	91.	6.28	0.13	0.13	226.2	5.50	351.0	0	92.4	1.26	109
TIHRSG	29112	0.	0.	1930.	0.	1696.	-1503.		52.	52.	8.09	0.13	0.09	213.4	5.19	377.4	8	66.9	0.91	110
TIHRSG	29112	0.	0.	2200.	0.	1791.	-1455.		52.	91.	9.61	0.13	0.13	286.8	6.98	444.9	5	73.5	1.00	100
STIRL	29112	1890.	0.	0.	-1890.	1696.	427.		52.	52.	2.92	0.13	0.11	76.7	1.87	138.6	0	64.8	1.16	133
STIRL	29112	2644.	0.	0.	-2644.	1995.	1429.		52.	174.	4.15	0.13	0.23	133.8	3.26	172.7	0	96.9	1.32	115
STIRL	29112	0.	1890.	0.	0.	-194.	427.		52.	52.	2.92	0.13	0.11	76.8	1.87	136.7	9	71.3	0.97	129
STIRL	29112	0.	2644.	0.	0.	-649.	1429.		52.	174.	4.15	0.13	0.23	134.0	3.26	173.0	0	77.9	1.06	109
STIRL	29112	0.	0.	1890.	0.	1696.	-1463.		52.	52.	6.06	0.13	0.11	130.0	3.16	234.8	18	54.8	0.75	114
STIRL	29112	0.	0.	2644.	0.	1995.	-1215.		52.	174.	8.92	0.13	0.23	239.3	5.82	308.7	10	58.4	0.80	95
HEGTGO	29112	0.	0.	2112.	0.	1696.	-1685.	A	52.	52.	6.54	0.13	0.00	147.7	3.59	238.7	12	61.7	0.84	102
HEGTGO	29112	0.	0.	7623.	0.	2937.	-2872.	A	52.	579.	22.61	0.13	0.01	545.7	13.27	244.3	0	116.1	1.58	61
HEGTOO	29112	0.	0.	2023.	0.	1696.	-1596.	A	52.	52.	6.25	0.13	0.05	130.7	3.18	220.4	15	57.8	0.79	107
HEGTOO	29112	0.	0.	2857.	0.	1930.	-1647.	A	52.	147.	8.12	0.13	0.09	176.8	4.30	211.2	11	60.8	0.83	86
FCMCCL	29112	0.	0.	1829.	0.	1696.	-1402.		52.	52.	6.95	0.13	0.14	131.1	3.19	244.7	16	55.3	0.75	118
FCMCCL	29112	0.	0.	2832.	0.	2187.	-760.		52.	252.	13.65	0.13	0.34	212.3	5.16	255.8	14	49.1	0.67	97
FCSTCL	29112	0.	0.	1817.	0.	1696.	-1390.		52.	52.	6.79	0.13	0.14	128.9	3.13	242.0	17	54.7	0.74	119
FCSTCL	29112	0.	0.	3238.	0.	2423.	-376.		52.	349.	15.82	0.13	0.39	245.9	5.98	259.1	14	43.0	0.59	93
IGGTST	29112	0.	0.	1886.	0.	1696.	-1459.		52.	52.	5.43	0.13	0.11	121.7	2.96	220.3	19	53.8	0.73	115
IGGTST	29112	0.	0.	3015.	0.	2149.	-1071.		52.	237.	6.38	0.13	0.26	206.4	5.02	233.6	14	47.7	0.65	89
GTSOAR	29112	0.	1900.	0.	0.	-204.	427.		52.	52.	2.06	0.13	0.11	58.3	1.42	104.7	20	69.1	0.94	133
GTSOAR	29112	0.	3422.	0.	0.	-1141.	2388.		52.	291.	3.50	0.13	0.27	110.6	2.69	110.3	1	75.9	1.03	103
GTAC08	29112	0.	1827.	0.	0.	-131.	427.		52.	52.	2.28	0.13	0.14	55.1	1.34	103.0	32	66.3	0.90	138
GTAC08	29112	0.	2584.	0.	0.	-514.	1679.		52.	204.	2.57	0.13	0.31	76.3	1.86	100.8	23	62.1	0.85	119
GTAC12	29112	0.	1833.	0.	0.	-137.	427.		52.	52.	2.31	0.13	0.14	56.6	1.38	105.4	29	66.7	0.91	137
GTAC12	29112	0.	2879.	0.	0.	-679.	2113.		52.	257.	2.99	0.13	0.33	92.2	2.24	109.3	17	62.9	0.86	112
GTAC16	29112	0.	1845.	0.	0.	-149.	427.		52.	52.	2.34	0.13	0.13	58.1	1.41	107.4	25	67.3	0.92	136

GENERAL ELECTRIC COMPANY
COGENERATION TECHNOLOGY ALTERNATIVES STUDY
REPORT 5.2
SUMMARY OF FUEL SAVED BY TYPE & ECONOMICS

		----------FUEL USE IN BTU*10**6----------																
		COGENERATION CASE			**NOCOGEN - COGEN**			POWER	COGEN	O&M	POWER	FESR	CAPITAL	NORM	$/KW	ROI	LEVL	NORM	WRTH
ECS	PROCS	DISTIL	RESIDL	COAL	DISTIL	RESIDL	COAL	REQD MW	POWER MW		/HEAT RATIO		COST *10**6	COST	EQVL	(%)	CHRG	ENRG	
GTAC16	29112	0.	3158.	0.	0.	-857.	2455.	52.	299.	3.49	0.13	0.34	111.3	2.71	120.3	12	65.9	0.90	107
GTWC16	29112	0.	1863.	0.	0.	-167.	427.	52.	52.	2.32	0.13	0.12	57.1	1.39	104.6	25	67.7	0.92	136
GTWC16	29112	0.	3287.	0.	0.	-975.	2492.	52.	304.	3.15	0.13	0.32	97.2	2.36	100.8	12	67.3	0.92	107
CC1626	29112	0.	1870.	0.	0.	-174.	427.	52.	52.	2.44	0.13	0.12	57.3	1.39	104.5	22	68.2	0.93	135
CC1626	29112	0.	4134.	0.	0.	-1461.	3632.	52.	442.	4.23	0.13	0.34	128.9	3.14	106.4	7	70.9	0.97	102
CC1622	29112	0.	1857.	0.	0.	-161.	427.	52.	52.	2.44	0.13	0.13	57.9	1.41	106.4	22	67.9	0.92	136
CC1622	29112	0.	3773.	0.	0.	-1231.	3260.	52.	397.	4.18	0.13	0.35	132.0	3.21	119.4	9	66.9	0.94	103
CC1222	29112	0.	1854.	0.	0.	-159.	427.	52.	52.	2.43	0.13	0.13	56.8	1.38	104.6	24	67.7	0.92	136
CC1222	29112	0.	3738.	0.	0.	-1203.	3237.	52.	394.	4.05	0.13	0.35	123.2	3.00	112.5	10	67.3	0.92	104
CC0022	29112	0.	1835.	0.	0.	-139.	427.	52.	52.	2.42	0.13	0.14	56.1	1.36	104.3	27	67.0	0.91	137
CC0822	29112	0.	3159.	0.	0.	-830.	2547.	52.	310.	3.26	0.13	0.35	94.0	2.29	101.5	18	61.9	0.84	110
DEHTPM	29112	0.	1880.	0.	0.	-184.	427.	52.	52.	3.21	0.13	0.11	86.0	2.09	156.2	7	72.2	0.98	128
DEHTPN	29112	0.	3100.	0.	0.	-905.	2100.	52.	256.	6.63	0.13	0.28	225.6	5.49	248.3	0	88.0	1.20	102
GTSOAD	29112	1851.	0.	0.	-1851.	1696.	427.	52.	52.	2.26	0.13	0.13	54.4	1.32	100.3	0	80.3	1.09	142
GTSOAD	29112	2937.	0.	0.	-2937.	2185.	2064.	52.	251.	2.80	0.13	0.31	84.3	2.05	98.0	0	86.1	1.17	120
GTRA08	29112	1899.	0.	0.	-1899.	1696.	427.	52.	52.	2.39	0.13	0.11	59.8	1.45	107.5	0	82.9	1.13	138
GTRA08	29112	4677.	0.	0.	-4677.	2768.	4018.	52.	489.	5.11	0.13	0.31	171.6	4.17	125.2	0	117.4	1.60	109
GTRA12	29112	1887.	0.	0.	-1887.	1696.	427.	52.	52.	2.40	0.13	0.11	60.3	1.47	109.0	0	82.5	1.12	138
GTRA12	29112	4391.	0.	0.	-4391.	2698.	3783.	52.	461.	4.94	0.13	0.32	165.6	4.03	128.7	0	111.3	1.52	109
GTRA16	29112	1882.	0.	0.	-1882.	1696.	427.	52.	52.	2.43	0.13	0.11	61.4	1.49	111.4	0	82.4	1.12	138
GTRA16	29112	4091.	0.	0.	-4091.	2594.	3435.	52.	418.	4.87	0.13	0.32	163.5	3.98	136.4	0	107.8	1.47	109
GTR208	29112	1878.	0.	0.	-1878.	1696.	427.	52.	52.	2.35	0.13	0.12	58.2	1.42	105.7	0	81.8	1.11	139
GTR208	29112	3552.	0.	0.	-3552.	2385.	2735.	52.	333.	3.72	0.13	0.31	119.3	2.90	114.7	0	98.2	1.34	111
GTR212	29112	1878.	0.	0.	-1878.	1696.	427.	52.	52.	2.37	0.13	0.12	59.0	1.44	107.2	0	82.0	1.12	139
GTR212	29112	3690.	0.	0.	-3690.	2445.	2937.	52.	358.	3.97	0.13	0.31	128.7	3.13	118.8	0	100.2	1.36	111
GTR216	29112	1873.	0.	0.	-1873.	1696.	427.	52.	52.	2.40	0.13	0.12	60.2	1.46	109.6	0	81.9	1.12	139
GTR216	29112	3731.	0.	0.	-3731.	2472.	3026.	52.	369.	4.23	0.13	0.32	139.0	3.38	127.1	0	100.8	1.37	110
GTRW08	29112	1931.	0.	0.	-1931.	1696.	427.	52.	52.	2.46	0.13	0.09	62.5	1.52	110.5	0	84.5	1.15	135
GTRW08	29112	5559.	0.	0.	-5559.	2971.	4695.	52.	572.	4.87	0.13	0.27	159.9	3.89	98.1	0	133.7	1.82	110
GTRW12	29112	1911.	0.	0.	-1911.	1696.	427.	52.	52.	2.45	0.13	0.10	62.5	1.52	111.6	0	83.7	1.14	136
GTRW12	29112	5273.	0.	0.	-5273.	2948.	4619.	52.	563.	4.81	0.13	0.30	156.1	3.85	102.3	0	124.2	1.69	110
GTRW16	29112	1904.	0.	0.	-1904.	1696.	427.	52.	52.	2.39	0.13	0.10	59.8	1.46	107.3	0	83.1	1.13	137
GTRW16	29112	4833.	0.	0.	-4833.	2808.	4152.	52.	506.	4.66	0.13	0.31	153.3	3.73	108.3	0	113.9	1.61	109
GTR308	29112	1949.	0.	0.	-1949.	1696.	427.	52.	52.	2.36	0.13	0.08	58.0	1.41	101.6	0	84.6	1.15	136
GTR308	29112	4676.	0.	0.	-4676.	2610.	3488.	52.	425.	4.07	0.13	0.23	130.0	3.16	94.9	0	125.0	1.70	107
GTR312	29112	1893.	0.	0.	-1893.	1696.	427.	52.	52.	2.34	0.13	0.11	57.8	1.41	104.3	0	82.4	1.12	138
GTR312	29112	4194.	0.	0.	-4194.	2599.	3451.	52.	420.	4.03	0.13	0.31	129.7	3.15	105.5	0	107.0	1.46	110
GTR316	29112	1894.	0.	0.	-1894.	1696.	427.	52.	52.	2.36	0.13	0.11	58.7	1.43	105.8	0	82.6	1.12	138
GTR316	29112	4157.	0.	0.	-4157.	2501.	3391.	52.	413.	4.12	0.13	0.30	133.3	3.24	109.4	0	107.5	1.46	109
FCPADS	29112	1942.	0.	0.	-1942.	1696.	427.	52.	52.	7.71	0.13	0.09	77.8	1.89	136.6	0	91.8	1.25	132
FCPADS	29112	7841.	0.	0.	-7841.	3710.	7170.	52.	873.	96.60	0.13	0.28	459.1	11.17	199.8	0	208.5	3.89	152
FCMCDS	29112	1881.	0.	0.	-1881.	1696.	427.	52.	52.	7.36	0.13	0.11	79.6	1.94	144.5	0	89.2	1.22	135
FCMCDS	29112	5721.	0.	0.	-5721.	3262.	5672.	52.	691.	72.32	0.13	0.36	397.3	9.66	237.0	0	208.5	2.84	137

ECS	PROCS	FUEL USE IN BTU*10**6 DISTIL	RESIDL	COAL	NOCOGEN - COGEN DISTIL	RESIDL	COAL		POWER REQD MW	COGEN POWER MW	O&M	POWER /HEAT RATIO	FESR	CAPITAL COST *10**6	NORM COST	$/KW EQVL	ROI (%)	LEVL CHRG	NORM ENRG	WRTH
		COGENERATION CASE			**NOCOGEN - COGEN**															
GNOCGN	29113	0.	3883.	1034.	0.	0.	0.		126.	0.	2.97	0.14	0.	90.5	1.00	86.3	0	169.1	1.00	80
STM141	29113	0.	4085.	0.	0.	-197.	1034.		126.	126.	3.75	0.14	0.17	100.3	1.11	83.8	99	144.8	0.86	145
STM141	29113	0.	4165.	0.	0.	-228.	1098.		126.	146.	3.30	0.14	0.19	96.1	1.06	78.7	160	142.4	0.84	137
STM141	29113	0.	0.	4085.	0.	3888.	-3050.	F	126.	126.	9.85	0.14	0.17	202.1	2.23	168.8	33	107.3	0.63	125
STM141	29113	0.	0.	4165.	0.	3937.	-2966.	F	126.	146.	9.50	0.14	0.19	206.5	2.28	169.2	33	104.9	0.62	115
STM141	29113	0.	0.	4085.	0.	3888.	-3050.	A	126.	126.	9.51	0.14	0.17	150.5	1.66	125.7	57	101.4	0.60	129
STM141	29113	0.	0.	4165.	0.	3937.	-2966.	A	126.	146.	9.10	0.14	0.19	145.2	1.60	119.0	64	97.8	0.58	121
STM088	29113	0.	4041.	229.	0.	-153.	806.		126.	98.	3.00	0.14	0.13	84.5	0.93	72.6	999	148.1	0.88	134
STM088	29113	0.	68.	4201.	0.	3820.	-3167.	F	126.	98.	8.49	0.14	0.13	182.0	2.01	156.3	37	111.1	0.66	111
STM088	29113	0.	68.	4201.	0.	3820.	-3167.	A	126.	98.	8.70	0.14	0.13	137.8	1.52	118.4	65	106.5	0.63	116
PFBSTM	29113	0.	0.	4109.	0.	3888.	-3074.		126.	126.	12.85	0.14	0.17	174.4	1.93	144.9	41	107.7	0.64	127
PFBSTM	29113	0.	0.	4665.	0.	4212.	-2545.		126.	258.	17.06	0.14	0.26	191.1	2.11	139.8	40	97.3	0.58	119
TISTMT	29113	0.	4099.	0.	0.	-212.	1034.		126.	126.	7.71	0.14	0.17	251.8	2.78	209.6	6	165.6	0.98	129
TISTMT	29113	0.	5037.	0.	0.	-593.	2898.		126.	353.	15.39	0.14	0.31	566.8	6.26	383.9	0	191.3	1.13	118
TISTMT	29113	0.	0.	4099.	0.	3888.	-3065.		126.	126.	13.55	0.14	0.17	352.7	3.90	293.6	15	127.6	0.75	119
TISTMT	29113	0.	0.	5037.	0.	4445.	-2139.		126.	353.	22.61	0.14	0.31	715.0	7.90	484.3	7	147.2	0.87	110
TIHRSG	29113	0.	4456.	0.	0.	-568.	1034.		126.	126.	10.45	0.14	0.09	368.9	4.07	282.5	0	191.4	1.13	119
TIHRSG	29113	0.	5020.	0.	0.	-933.	1699.		126.	207.	14.47	0.14	0.13	545.4	6.02	370.8	0	215.6	1.28	109
TIHRSG	29113	0.	0.	4456.	0.	3888.	-3421.		126.	126.	17.30	0.14	0.09	496.2	5.48	380.0	8	153.4	0.91	110
TIHRSG	29113	0.	0.	5020.	0.	4086.	-3320.		126.	207.	21.96	0.14	0.13	693.2	7.66	471.3	4	173.4	1.03	101
STIRL	29113	4358.	0.	0.	-4358.	3888.	1034.		126.	126.	5.52	0.14	0.11	167.0	1.84	130.8	0	193.4	1.14	134
STIRL	29113	6035.	0.	0.	-6035.	4553.	3261.		126.	397.	8.19	0.14	0.23	284.5	3.14	160.9	0	219.1	1.30	116
STIRL	29113	0.	4358.	0.	0.	-470.	1034.		126.	126.	5.52	0.14	0.11	167.2	1.85	130.9	11	162.0	0.96	129
STIRL	29113	0.	6035.	0.	0.	-1402.	3261.		126.	397.	8.20	0.14	0.23	284.9	3.15	161.1	1	175.7	1.04	110
STIRL	29113	0.	0.	4358.	0.	3888.	-3323.		126.	126.	12.33	0.14	0.11	295.2	3.26	231.2	18	124.1	0.73	114
STIRL	29113	0.	0.	6035.	0.	4553.	-2773.		126.	397.	18.69	0.14	0.23	524.2	5.79	296.4	11	130.8	0.77	96
HEGTGO	29113	0.	0.	4897.	0.	3888.	-3063.	A	126.	126.	12.73	0.14	0.01	286.7	3.17	199.8	16	134.4	0.79	102
HEGTGO	29113	0.	0.	17396.	0.	6817.	-6555.	A	126.	1321.	51.49	0.14	0.01	1279.6	14.13	251.0	0	270.1	1.60	62
HEGTOO	29113	0.	0.	4681.	0.	3888.	-3646.	A	126.	126.	12.09	0.14	0.05	256.3	2.83	186.8	20	126.4	0.75	103
HEGTOO	29113	0.	0.	6520.	0.	4404.	-3759.	A	126.	336.	17.45	0.14	0.09	387.4	4.28	202.8	12	137.4	0.81	87
FCMCCL	29113	0.	0.	4210.	0.	3888.	-3175.		126.	126.	14.12	0.14	0.14	272.8	3.01	221.1	19	122.2	0.72	119
FCMCCL	29113	0.	0.	6462.	0.	4991.	-1735.		126.	576.	27.43	0.14	0.34	367.0	4.05	193.8	19	96.7	0.57	99
FCSTCL	29113	0.	0.	4181.	0.	3888.	-3147.		126.	126.	13.65	0.14	0.15	269.6	2.98	220.1	20	120.9	0.72	119
FCSTCL	29113	0.	0.	7445.	0.	5562.	-807.		126.	809.	32.01	0.14	0.39	430.9	4.76	197.5	20	79.4	0.47	94
IGGTST	29113	0.	0.	4346.	0.	3888.	-3311.		126.	126.	10.27	0.14	0.12	255.8	2.83	200.9	21	119.0	0.70	116
IGGTST	29113	0.	0.	6936.	0.	4932.	-2406.		126.	552.	12.06	0.14	0.27	419.5	4.63	206.4	17	100.8	0.60	90
GTSOAR	29113	0.	4382.	0.	0.	-494.	1034.		126.	126.	4.44	0.14	0.11	129.3	1.43	100.7	22	157.7	0.93	134
GTSOAR	29113	0.	7809.	0.	0.	-2603.	5450.		126.	664.	6.70	0.14	0.27	228.6	2.53	99.9	4	170.9	1.01	105
GTAC08	29113	0.	4205.	0.	0.	-317.	1034.		126.	126.	4.08	0.14	0.15	115.4	1.27	93.6	44	150.3	0.89	140
GTAC08	29113	0.	5096.	0.	0.	-1173.	3831.		126.	467.	4.71	0.14	0.31	153.0	1.69	68.6	30	139.9	0.83	122
GTAC12	29113	0.	4221.	0.	0.	-333.	1034.		126.	126.	4.17	0.14	0.14	119.2	1.32	96.4	38	151.2	0.89	139
GTAC12	29113	0.	6570.	0.	0.	-1551.	4822.		126.	587.	5.63	0.14	0.33	188.3	2.08	97.8	21	141.6	0.84	115
GTAC16	29113	0.	4249.	0.	0.	-361.	1034.		126.	126.	4.33	0.14	0.14	125.8	1.39	101.0	30	153.0	0.91	137

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SUMMARY OF FUEL SAVED BY TYPE & ECONOMICS

		----------FUEL USE IN BTU*10**6----------																
		COGENERATION CASE			**NOCOGEN -													
ECS	PROCS	DISTIL	RESIDL	COAL		DISTIL	RESIDL	COGEN** COAL	POWER REQD MW	COGEN POWER MW	O&M	POWER /HEAT RATIO	FESR	CAPITAL COST *10**6	NORM COST	$/KW EQVL	ROI (%)	LEVL CHRG	NORM ENRG	WRTH
GTAC16	29113	0.	7207.	0.		0.	-1955.	5601.	126.	682.	6.58	0.14	0.34	225.1	2.49	106.6	15	147.5	0.87	109
GTWC16	29113	0.	4293.	0.		0.	-405.	1034.	126.	126.	4.23	0.14	0.13	121.6	1.34	96.7	31	153.9	0.91	137
GTWC16	29113	0.	7502.	0.		0.	-2225.	5687.	126.	693.	5.75	0.14	0.32	191.3	2.11	87.0	16	150.4	0.89	110
CC1626	29113	0.	4308.	0.		0.	-420.	1034.	126.	126.	4.38	0.14	0.12	122.1	1.35	96.7	28	154.9	0.92	136
CC1626	29113	0.	9508.	0.		0.	-3417.	8412.	126.	1025.	7.86	0.14	0.34	258.3	2.85	92.7	10	157.0	0.93	103
CC1622	29113	0.	4277.	0.		0.	-389.	1034.	126.	126.	4.43	0.14	0.13	125.3	1.38	100.0	27	154.3	0.91	136
CC1622	29113	0.	8677.	0.		0.	-2842.	7553.	126.	920.	8.02	0.14	0.35	275.7	3.04	108.4	10	153.7	0.91	104
CC1222	29113	0.	4271.	0.		0.	-383.	1034.	126.	126.	4.40	0.14	0.13	122.9	1.36	98.2	29	153.8	0.91	137
CC1222	29113	0.	8599.	0.		0.	-2779.	7503.	126.	914.	7.75	0.14	0.35	256.0	2.83	101.6	12	150.1	0.89	105
CC0822	29113	0.	4224.	0.		0.	-336.	1034.	126.	126.	4.35	0.14	0.14	120.5	1.33	97.4	33	152.0	0.90	138
CC0822	29113	0.	7267.	0.		0.	-1921.	5917.	126.	721.	6.24	0.14	0.35	199.4	2.20	93.6	21	139.1	0.82	111
DEHTPM	29113	0.	4334.	0.		0.	-446.	1034.	126.	126.	6.23	0.14	0.12	192.4	2.12	151.5	0	164.0	0.97	128
DEHTPM	29113	0.	7075.	0.		0.	-2065.	4792.	126.	584.	13.41	0.14	0.28	403.4	5.34	233.2	0	197.3	1.17	103
GTSOAD	29113	4265.	0.	0.	-4265.		3888.	1034.	126.	125.	4.12	0.14	0.13	117.0	1.29	93.6	0	183.1	1.08	143
GTSOAD	29113	6703.	0.	0.	-6703.		4986.	4709.	126.	574.	5.00	0.14	0.31	162.7	1.80	82.8	0	193.5	1.14	123
GTRA03	29113	4379.	0.	0.	-4379.		3888.	1034.	126.	126.	4.51	0.14	0.11	132.9	1.47	103.6	0	189.6	1.12	136
GTRA06	29113	10673.	0.	0.	-10673.		6318.	9169.	126.	1117.	10.13	0.14	0.31	361.2	3.99	115.5	0	264.8	1.57	109
GTRA12	29113	4351.	0.	0.	-4351.		3888.	1034.	126.	126.	4.42	0.14	0.12	129.4	1.43	101.5	0	186.0	1.11	139
GTRA12	29113	10021.	0.	0.	-10021.		6157.	8632.	126.	1051.	9.72	0.14	0.32	345.6	3.82	117.7	0	250.4	1.48	109
GTRA16	29113	4338.	0.	0.	-4338.		3888.	1034.	126.	126.	4.47	0.14	0.12	131.6	1.45	103.5	0	187.8	1.11	139
GTRA16	29113	9335.	0.	0.	-9335.		5921.	7840.	126.	955.	9.50	0.14	0.32	338.1	3.73	123.6	0	242.2	1.43	110
GTR208	29113	4329.	0.	0.	-4329.		3888.	1034.	126.	126.	4.42	0.14	0.12	129.2	1.43	101.8	0	187.2	1.11	139
GTR208	29113	8106.	0.	0.	-8106.		5443.	6242.	126.	760.	7.21	0.14	0.31	248.5	2.74	104.6	0	221.8	1.31	113
GTR212	29113	4329.	0.	0.	-4329.		3888.	1034.	126.	126.	4.38	0.14	0.12	126.7	1.40	99.9	0	186.8	1.11	140
GTR212	29113	8440.	0.	0.	-8440.		5581.	6702.	126.	816.	7.74	0.14	0.31	269.0	2.97	108.8	0	226.2	1.34	112
GTR216	29113	4318.	0.	0.	-4318.		3888.	1034.	126.	126.	4.42	0.14	0.12	129.5	1.43	102.3	0	186.8	1.10	139
GTR216	29113	8515.	0.	0.	-8515.		5641.	6905.	126.	841.	8.32	0.14	0.32	292.2	3.23	117.1	0	227.2	1.34	111
GTRW08	29113	4458.	0.	0.	-4458.		3888.	1034.	126.	126.	4.37	0.14	0.09	127.0	1.40	97.2	0	191.9	1.14	137
GTRW08	29113	12687.	0.	0.	-12687.		6779.	10715.	126.	1305.	9.85	0.14	0.27	347.3	3.84	93.4	0	303.6	1.80	110
GTRW12	29113	4409.	0.	0.	-4409.		3888.	1034.	126.	126.	4.36	0.14	0.10	125.9	1.40	98.2	0	190.0	1.12	138
GTRW12	29113	12034.	0.	0.	-12034.		6727.	10541.	126.	1284.	9.53	0.14	0.30	335.3	3.70	95.1	0	280.8	1.66	110
GTRW16	29113	4392.	0.	0.	-4392.		3888.	1034.	126.	126.	4.44	0.14	0.11	130.2	1.44	101.2	0	189.8	1.12	138
GTRW16	29113	11080.	0.	0.	-11080.		6409.	9475.	126.	1154.	9.07	0.14	0.31	318.3	3.52	98.5	0	265.6	1.57	110
GTR308	29113	4501.	0.	0.	-4501.		3888.	1034.	126.	126.	4.25	0.14	0.09	121.6	1.34	92.2	0	192.9	1.14	137
GTR308	29113	10671.	0.	0.	-10671.		5957.	7960.	126.	970.	7.60	0.14	0.23	259.9	2.87	83.1	0	281.2	1.66	100
GTR312	29113	4366.	0.	0.	-4366.		3888.	1034.	126.	126.	4.27	0.14	0.11	123.2	1.36	96.3	0	187.8	1.11	140
GTR312	29113	9571.	0.	0.	-9571.		5931.	7876.	126.	959.	7.59	0.14	0.31	261.4	2.89	93.2	0	240.5	1.42	111
GTR316	29113	4369.	0.	0.	-4369.		3888.	1034.	126.	126.	4.31	0.14	0.11	124.8	1.38	97.5	0	188.1	1.11	139
GTR316	29113	9486.	0.	0.	-9486.		5890.	7738.	126.	942.	7.79	0.14	0.30	269.4	2.98	96.9	0	241.6	1.43	111
FCPADS	29113	4484.	0.	0.	-4484.		3888.	1034.	126.	126.	17.46	0.14	0.09	170.6	1.88	129.8	0	210.5	1.25	133
FCPADS	29113	17894.	0.	0.	-17894.		8456.	16362.	126.	1993.	219.61	0.14	0.28	1007.8	11.13	192.2	0	647.3	3.83	151
FCHCDS	29113	4336.	0.	0.	-4336.		3888.	1034.	126.	126.	16.62	0.14	0.12	175.4	1.94	138.1	0	204.5	1.21	135
FCHCDS	29113	13056.	0.	0.	-13056.		7445.	12943.	126.	1576.	163.96	0.14	0.36	880.1	9.72	230.0	0	473.4	2.80	136

GENERAL ELECTRIC COMPANY
COGENERATION TECHNOLOGY ALTERNATIVES STUDY
REPORT 5.2
SUMMARY OF FUEL SAVED BY TYPE & ECONOMICS

ECS	PROCS	FUEL USE IN BTU*10**6 **COGENERATION CASE** DISTIL	RESIDL	COAL	**NOCOGEN - COGEN** DISTIL	RESIDL	COAL		POWER REQD MW	COGEN POWER MW	O&M	POWER /HEAT RATIO	FESR	CAPITAL COST *10**6	NORM COST	$/KW EQVL	ROI (%)	LEVL CHRG	NORM ENRG	WRTH
ONOCGN	33121	0.	257.	493.	0.	0.	0.		60.	0.	0.33	2.20	0.	3.7	1.00	116.0	0	18.9	1.00	80
STM141	33121	0.	261.	468.	0.	-5.	25.		60.	3.	0.45	2.20	0.03	5.4	1.45	152.1	11	18.7	0.99	88
STM141	33121	0.	140.	589.	0.	117.	-97.	F	60.	3.	0.80	2.20	0.03	10.8	2.90	302.9	9	18.4	0.98	75
STM141	33121	0.	140.	569.	0.	117.	-97.	A	60.	3.	0.70	2.20	0.03	8.5	2.28	238.7	15	18.0	0.96	78
STM088	33121	0.	259.	479.	0.	-3.	13.		60.	2.	0.42	2.20	0.01	4.6	1.25	136.7	9	18.8	1.00	87
STM088	33121	0.	143.	595.	0.	113.	-103.	F	60.	2.	0.76	2.20	0.01	9.8	2.64	289.3	9	18.5	0.98	71
STM008	33121	0.	143.	595.	0.	113.	-103.	A	60.	2.	0.67	2.20	0.01	7.9	2.13	233.3	14	18.2	0.97	75
PFBSTM	33121	0.	132.	577.	0.	125.	-85.		60.	6.	1.00	2.20	0.05	13.8	3.71	344.8	9	18.3	0.97	80
TISTMT	33121	0.	272.	419.	0.	-15.	74.		60.	9.	1.09	2.20	0.08	30.3	8.14	704.0	0	21.1	1.12	83
TISTNT	33121	0.	125.	565.	0.	132.	-73.		60.	9.	1.53	2.20	0.08	38.7	10.40	899.2	0	20.9	1.11	81
TIHRSG	33121	0.	283.	441.	0.	-26.	51.		60.	6.	0.98	2.20	0.03	29.8	8.09	671.8	0	21.7	1.15	75
TIHRSG	33121	0.	132.	593.	0.	125.	-100.		60.	6.	1.43	2.20	0.03	38.3	10.39	865.4	0	21.6	1.14	73
STIRL	33121	187.	116.	389.	-187.	140.	104.		60.	13.	0.57	2.20	0.08	10.5	2.82	191.5	0	19.5	1.03	96
STIRL	33121	0.	303.	389.	0.	-46.	104.		60.	13.	0.57	2.20	0.08	10.5	2.82	191.7	9	18.4	0.98	94
STIRL	33121	0.	116.	576.	0.	140.	-83.		60.	13.	1.01	2.20	0.08	17.9	4.82	327.9	10	17.6	0.94	86
HEGT60	33121	0.	62.	666.	0.	195.	-173.	A	60.	35.	2.28	2.20	0.03	61.4	16.49	455.3	0	21.9	1.16	88
HEGT00	33121	0.	122.	606.	0.	134.	-114.	A	60.	10.	1.11	2.20	0.03	26.7	7.17	460.9	2	19.6	1.04	77
FCMCCL	33121	0.	104.	546.	0.	153.	-53.		60.	18.	1.50	2.20	0.13	30.7	8.25	531.2	5	18.6	0.99	93
FCSTCL	33121	0.	92.	526.	0.	164	-34.		60.	22.	1.75	2.20	0.17	34.3	9.21	538.1	6	18.3	0.97	100
IGGTST	33121	0.	111.	573.	0.	146.	-60.		60.	15.	1.25	2.20	0.09	28.1	7.55	473.7	5	18.9	1.00	87
GTSOAR	33121	0.	332.	329.	0.	-76.	163.		60.	20.	0.56	2.20	0.12	11.4	3.05	165.7	14	17.6	0.94	102
GTAC08	33121	0.	292.	376.	0.	-36.	117.		60.	14.	0.46	2.20	0.11	8.3	2.24	157.9	22	17.5	0.93	102
GTAC12	33121	0.	304.	345.	0.	-47.	147.		60.	18.	0.50	2.20	0.13	9.7	2.60	164.0	21	17.3	0.92	105
GTAC16	33121	0.	316.	322.	0.	-59.	171.		60.	21.	0.55	2.20	0.15	11.1	2.98	172.3	19	17.2	0.91	106
GTWC16	33121	0.	325.	319.	0.	-68.	174.		60.	21.	0.56	2.20	0.14	11.3	3.03	167.6	17	17.4	0.92	105
CC1626	33121	0.	354.	258.	0.	-98.	235.		60.	29.	0.75	2.20	0.18	13.7	3.68	168.7	16	17.1	0.91	110
CC1622	33121	0.	330.	282.	0.	-81.	210.		60.	26.	0.71	2.20	0.17	12.9	3.45	173.2	16	17.1	0.91	109
CC1222	33121	0.	336.	284.	0.	-79.	208.		60.	25.	0.70	2.20	0.17	12.2	3.27	165.8	17	17.1	0.90	110
CC0822	33121	0.	311.	330.	0.	-54.	162.		60.	20.	0.64	2.20	0.14	10.5	2.82	169.0	18	17.3	0.92	106
DEADV3	33121	0.	548.	5.	0.	-291.	488.		60.	59.	1.46	2.20	0.26	40.1	10.79	250.8	4	19.2	1.02	118
DEHTPM	33121	0.	319.	340.	0.	-62.	152.		60.	19.	0.80	2.20	0.12	17.0	4.56	267.2	7	18.6	0.98	93
DESOA3	33121	506.	0.	0.	-506.	257.	493.		60.	60.	1.87	2.20	0.22	51.1	13.75	298.1	0	24.8	1.31	129
DESOA3	33121	682.	0.	0.	-682.	286.	593.		60.	72.	1.99	2.20	0.22	59.8	16.08	299.3	0	26.6	1.42	121
DESOA3	33121	0.	506.	0.	0.	-329.	493.		60.	60.	1.87	2.20	0.22	51.1	13.75	298.1	0	21.5	1.14	125
DESOA3	33121	0.	682.	0.	0.	-396.	593.		60.	72.	1.99	2.20	0.22	59.8	16.08	299.3	0	23.0	1.22	116
GTSOAD	33121	205.	104.	349.	-205.	152.	144.		60.	16.	0.48	2.20	0.12	8.8	2.36	146.4	10	18.5	0.98	106
GTRA08	33121	313.	67.	224.	-313.	190.	269.		60.	33.	0.71	2.20	0.19	16.0	4.31	174.6	5	18.8	1.00	113
GTRA12	33121	297.	71.	237.	-297.	186.	256.		60.	31.	0.70	2.20	0.19	15.8	4.24	181.3	6	18.7	0.99	113
GTRA16	33121	278.	77.	259.	-278.	179.	234.		60.	28.	0.69	2.20	0.18	15.7	4.21	192.2	5	18.6	1.00	111
GTR208	33121	244.	91.	305.	-244.	166.	188.		60.	23.	0.58	2.20	0.15	12.1	3.24	168.6	6	18.7	0.99	108
GTR212	33121	254.	87.	291.	-254.	170.	202.		60.	25.	0.61	2.20	0.16	13.0	3.50	175.0	6	18.7	0.99	108
GTR216	33121	256.	85.	285.	-256.	171.	207.		60.	25.	0.63	2.20	0.16	13.8	3.71	184.2	6	18.7	0.99	109
GTRW08	33121	374.	53.	177.	-374.	204.	316.		60.	38.	0.76	2.20	0.19	17.4	4.67	158.3	2	19.3	1.02	114

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SUMMARY OF FUEL SAVED BY TYPE & ECONOMICS

		FUEL USE IN BTU*10**6																
		COGENERATION CASE			**NOCOGEN - COGEN**			POWER REQD	COGEN POWER	O&M	POWER /HEAT	FESR	CAPITAL COST	NORM COST	$/KW EQVL	ROI	LEVL CHRG	NORM HRTH ENRG
ECS	PROCS	DISTIL	RESIDL	COAL	DISTIL	RESIDL	COAL	MW	MW		RATIO		*10**6			(%)		
GTRM12	33121	358.	54.	179.	-358.	203.	313.	60.	38.	0.75	2.20	0.21	17.2	4.63	164.3	5	18.9	1.00 116
GTRM16	33121	330.	62.	209.	-330.	194.	284.	60.	35.	0.74	2.20	0.20	16.9	4.53	174.0	4	18.9	1.00 114
GTR308	33121	318.	76.	256.	-318.	180.	237.	60.	29.	0.66	2.20	0.13	13.9	3.72	148.7	0	19.6	1.04 107
GTR312	33121	290.	76.	254.	-290.	181.	239.	60.	29.	0.65	2.20	0.17	13.9	3.72	163.1	6	18.8	0.99 111
GTR316	33121	288.	77.	258.	-288.	179.	235.	60.	29.	0.66	2.20	0.17	14.3	3.85	170.2	5	18.9	1.00 110
FCPADS	33121	540.	0.	0.	-540.	257.	493.	60.	60.	5.62	2.20	0.28	36.3	9.75	229.1	0	25.6	1.36 140
FCPADS	33121	547.	0.	0.	-547.	259.	500.	60.	61.	5.64	2.20	0.26	36.8	9.90	229.9	0	25.7	1.36 129
FCHCDS	33121	399.	29.	97.	-399.	228.	396.	60.	48.	4.26	2.20	0.30	31.4	8.45	263.9	0	22.6	1.20 128

ECS	PROCS	FUEL USE IN BTU=10**6 DISTIL	RESIDL	COAL	DISTIL	RESIDL	COGEN COAL		POWER REQD MW	COGEN POWER MW	O&M	POWER /HEAT RATIO	FESR	CAPITAL COST *10**6	NORM COST	$/KW EQVL	ROI (%)	LEVL CHRG	NORM ENRG	WRTH
		COGENERATION CASE			**NOCOGEN - COGEN**															
ONOCGN	33251	0.	1230.	2299.	0.	0.	0.		280.	0.	1.24	1.05	0.	30.3	1.00	96.4	0	89.9	1.00	80
STM141	33251	0.	1276.	2056.	0.	-46.	243.		280.	30.	1.41	1.05	0.06	31.6	1.04	90.6	102	85.6	0.95	105
STM141	33251	0.	614.	2718.	0.	616.	-419.	F	280.	30.	3.13	1.05	0.06	62.1	2.05	177.9	16	83.8	0.93	89
STH141	33251	0.	614.	2718.	0.	616.	-419.	A	280.	30.	2.78	1.05	0.06	42.3	1.39	121.0	39	81.3	0.90	97
STM[illegible]3	33251	0.	1256.	2166.	0.	-25.	133.		280.	16.	1.31	1.05	0.03	28.1	0.93	84.3	999	87.2	0.97	100
STM088	33251	0.	647.	2774.	0.	583.	-476.	F	280.	16.	2.92	1.05	0.03	57.6	1.90	172.6	14	85.8	0.95	83
STM088	33251	0.	647.	2774.	0.	583.	-476.	A	280.	16.	2.67	1.05	0.03	40.1	1.32	120.2	35	83.7	0.93	90
PFBSTM	33251	0.	534.	2599.	0.	696.	-300.		280.	62.	4.80	1.05	0.11	52.0	2.05	157.8	23	79.1	0.88	102
TISTMT	33251	0.	1306.	1930.	0.	-76.	369.		280.	45.	3.78	1.05	0.08	113.0	3.73	306.3	0	94.4	1.05	90
TISTMT	33251	0.	469.	2482.	0.	761.	-183.		280.	89.	6.99	1.05	0.16	211.4	6.98	500.8	4	92.1	1.02	100
TIHRS0	33251	0.	1362.	2045.	0.	-131.	254.		280.	31.	3.60	1.05	0.03	111.7	3.69	297.7	0	97.9	1.09	82
TIHRS0	33251	0.	537.	2750.	0.	693.	-451.		280.	61.	6.88	1.05	0.07	210.7	6.95	485.0	0	99.6	1.11	86
STIRL	33251	928.	533.	1784.	-928.	697.	515.		280.	63.	2.58	1.05	0.08	65.9	2.17	154.2	0	93.3	1.04	101
STIRL	33251	0.	1460.	1784.	0.	-230.	515.		280.	63.	2.58	1.05	0.08	65.9	2.18	154.4	9	88.2	0.98	100
STIRL	33251	0.	383.	2584.	0.	847.	-285.		280.	124.	6.16	1.05	0.16	167.2	5.52	311.6	9	82.5	0.92	102
HEGT60	33251	0.	0.	3355.	0.	1230.	-1056.	A	280.	280.	11.27	1.05	0.05	279.5	9.23	245.6	5	89.0	0.99	102
HEGT60	33251	0.	0.	3982.	0.	1383.	-1170.	A	280.	342.	13.86	1.05	0.05	376.5	12.42	284.8	2	101.3	1.13	93
HEGT00	33251	0.	442.	2866.	0.	789.	-587.	A	280.	100.	5.53	1.05	0.06	134.2	4.43	236.4	7	86.4	0.96	91
FCMCCL	33251	0.	264.	2818.	0.	966.	-520.		280.	172.	8.67	1.05	0.13	160.3	5.29	282.7	9	81.6	0.91	101
FCSTCL	33251	0.	147.	2627.	0.	1083.	-328.		280.	220.	9.73	1.05	0.21	179.1	5.91	286.5	11	75.3	0.84	111
TGGTST	33251	0.	329.	3087.	0.	901.	-780.		280.	146.	4.63	1.05	0.03	142.1	4.69	244.2	9	83.1	0.92	90
GTSOAR	33251	0.	1607.	1480.	0.	-377.	811.		280.	99.	2.26	1.05	0.12	55.1	1.82	111.2	21	83.1	0.92	112
GTAC08	33251	0.	1408.	1717.	0.	-178.	582.		280.	71.	1.97	1.05	0.11	45.5	1.50	108.9	31	82.5	0.92	111
GTAC12	33251	0.	1466.	1566.	0.	-236.	733.		280.	89.	2.13	1.05	0.14	51.2	1.69	114.3	28	81.1	0.90	114
GTAC16	33251	0.	1523.	1452.	0.	-293.	847.		280.	103.	2.28	1.05	0.16	56.5	1.86	119.0	25	80.4	0.89	116
GTWC16	33251	0.	1568.	1435.	0.	-338.	864.		280.	105.	2.22	1.05	0.16	53.8	1.77	109.9	27	80.7	0.90	116
CC16[illegible]6	33251	0.	2711.	0.	0.	-1481.	2299.		280.	280.	3.09	1.05	0.23	86.4	2.85	108.6	17	78.5	0.87	134
CC1626	33251	0.	1716.	1130.	0.	-486.	1169.		280.	142.	2.60	1.05	0.19	61.4	2.03	109.8	25	78.3	0.87	121
CC1622	33251	0.	1633.	1252.	0.	-403.	1046.		280.	127.	2.57	1.05	0.18	62.2	2.05	118.8	23	79.3	0.88	119
CC1222	33251	0.	1623.	1262.	0.	-393.	1037.		280.	126.	2.53	1.05	0.18	59.6	1.97	114.5	25	79.0	0.88	119
CC0822	33251	0.	1499.	1492.	0.	-269.	807.		280.	98.	2.24	1.05	0.15	49.5	1.64	106.8	31	80.1	0.89	117
DEADV3	33251	0.	2603.	0.	0.	-1373.	2299.		280.	280.	6.14	1.05	0.26	198.4	6.55	216.1	5	90.5	1.01	132
DEADV3	33251	0.	2713.	0.	0.	-1446.	2422.		280.	295.	6.37	1.05	0.26	207.3	6.84	218.1	4	92.1	1.02	121
DEHTP1	33251	0.	1538.	1542.	0.	-308.	757.		280.	92.	3.49	1.05	0.13	97.2	3.21	206.4	7	88.4	0.98	104
DESOA3	33251	2766.	0.	0.	-2766.	1230.	2299.		280.	280.	7.31	1.05	0.22	244.0	8.05	252.7	0	115.7	1.29	131
DESOA3	33251	3390.	0.	0.	-3390.	1423.	2944.		280.	359.	8.85	1.05	0.22	303.5	10.02	264.2	0	130.0	1.45	123
DESOA3	33251	0.	2766.	0.	0.	-1535.	2299.		280.	280.	7.31	1.05	0.22	244.0	8.05	252.7	0	100.5	1.12	127
DESOA3	33251	0.	3390.	0.	0.	-1967.	2944.		280.	359.	8.85	1.05	0.22	303.5	10.02	264.2	0	111.3	1.24	118
GTSOAD	33251	1016.	473.	1585.	-1016.	757.	714.		280.	87.	2.04	1.05	0.13	47.2	1.56	104.2	15	87.2	0.97	116
GTRA00	33251	2676.	0.	0.	-2676.	1230.	2299.		280.	280.	3.61	1.05	0.24	107.8	3.56	130.8	0	95.0	1.06	137
GTRA08	33251	1555.	288.	963.	-1555.	943.	1336.		280.	163.	2.92	1.05	0.20	79.3	2.62	129.8	8	88.0	0.98	122
GTRA12	33251	2669.	0.	0.	-2669.	1230.	2299.		280.	280.	3.59	1.05	0.24	108.2	3.57	133.9	0	94.7	1.05	137
GTRA12	33251	1474.	307.	1029.	-1474.	923.	1270.		280.	155.	2.85	1.05	0.20	76.9	2.54	131.0	9	87.3	0.97	121

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SUMMARY OF FUEL SAVED BY TYPE & ECONOMICS

ECS	PROCS	FUEL USE IN BTU*10**6 — **COGENERATION CASE** DISTIL	RESIDL	COAL	**NOCOGEN - COGEN** DISTIL	RESIDL	COAL	POWER REQD MW	COGEN POWER MW	O&M	POWER /HEAT RATIO	FESR	CAPITAL COST *10**6	NORM COST	$/KW EQVL	ROI (%)	LEVL CHRG	NORM ENRG	WRTH
GTRA16	33251	1382.	340.	1138.	-1382.	890.	1161.	280.	141.	2.82	1.05	0.19	76.4	2.52	136.5	8	87.9	0.[illegible]5	119
GTR208	33251	1212.	408.	1366.	-1212.	822.	933.	280.	114.	2.34	1.05	0.15	58.3	1.92	114.2	11	87.6	0.97	118
GTR212	33251	1261.	388.	1297.	-1261.	843.	1001.	280.	122.	2.43	1.05	0.17	61.5	2.03	117.1	11	87.4	0.97	119
GTR216	33251	1271.	379.	1268.	-1271.	851.	1031.	280.	126.	2.52	1.05	0.17	64.9	2.14	123.1	10	87.2	0.97	119
GTRW08	33251	2722.	0.	0.	-2722.	1230.	2299.	280.	280.	3.35	1.05	0.23	94.4	3.12	107.4	0	94.6	1.05	137
GTRW08	33251	1859.	218.	729.	-1859.	1012.	1570.	280.	191.	2.98	1.05	0.21	80.4	2.65	114.9	5	89.9	1.00	123
GTRW12	33251	2625.	0.	0.	-2625.	1230.	2299.	280.	280.	3.33	1.05	0.26	94.1	3.11	110.9	2	91.7	1.02	140
GTRW12	33251	1778.	222.	742.	-1778.	1009.	1557.	280.	190.	2.96	1.05	0.22	79.9	2.64	118.2	8	87.8	0.98	125
GTRW16	33251	2676.	0.	0.	-2676.	1230.	2299.	280.	280.	3.36	1.05	0.24	96.8	3.19	115.3	0	93.5	1.04	138
GTRW16	33251	1642.	265.	889.	-1642.	965.	1410.	280.	172.	2.72	1.05	0.21	70.9	2.34	111.4	10	87.2	0.97	124
GTR308	33251	3082.	0.	0.	-3082.	1230.	2299.	280.	280.	3.04	1.05	0.13	88.9	2.93	98.0	0	104.5	1.16	128
GTR308	33251	1579.	335.	1121.	-1579.	895.	1178.	280.	143.	2.50	1.05	0.14	62.4	2.06	101.1	0	91.5	1.02	118
GTR312	33251	2793.	0.	0.	-2793.	1230.	2299.	280.	280.	3.01	1.05	0.21	87.9	2.90	106.6	0	95.7	1.07	136
GTR312	33251	1441.	333.	1113.	-1441.	898.	1186.	280.	144.	2.47	1.05	0.18	62.1	2.05	107.5	11	87.0	0.97	122
GTR316	33251	2810.	0.	0.	-2810.	1230.	2299.	280.	280.	2.99	1.05	0.20	90.4	2.98	109.5	0	96.7	1.08	135
GTR316	33251	1429.	339.	1134.	-1429.	892.	1165.	280.	142.	2.50	1.05	0.18	63.3	2.09	110.3	10	87.5	0.97	121
FCPADS	33251	2555.	0.	0.	-2555.	1230.	2299.	280.	280.	25.99	1.05	0.28	177.7	5.86	196.6	0	121.1	1.35	143
FCPADS	33251	2718.	0.	0.	-2718.	1286.	2485.	280.	303.	27.97	1.05	0.28	189.7	6.26	199.4	0	125.7	1.40	133
FCMCDS	33251	2319.	0.	0.	-2319.	1230.	2299.	280.	280.	24.59	1.05	0.34	188.0	6.20	232.8	0	113.7	1.26	149
FCMCDS	33251	1983.	99.	333.	-1983.	1131.	1966.	280.	239.	21.25	1.05	0.32	165.5	5.46	224.8	0	108.4	1.21	134

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SUMMARY OF FUEL SAVED BY TYPE & ECONOMICS

ECS	PROCS	----------FUEL USE IN BTU*10**6---------- **COGENERATION CASE** DISTIL	RESIDL	COAL	**NOCOGEN - COGEN** DISTIL	RESIDL	COAL		POWER REQD MW	COGEN POWER MW	O&M	POWER /HEAT RATIO	FESR	CAPITAL COST *10**6	NORM COST	$/KW EQVL	ROI (%)	LEVL CHRG	NORM ENRG	WRTH
ONOCGN	33254	0.	205.	328.	0.	0.	0.		40.	0.	0.32	1.50	0.	3.7	1.00	116.9	0	13.6	1.00	80
STM141	33254	0.	210.	304.	0.	-5.	24.		40.	3.	0.44	1.50	0.04	5.3	1.46	153.4	11	13.5	0.99	92
STM141	33254	0.	91.	423.	0.	114.	-95.	F	40.	3.	0.79	1.50	0.04	10.6	2.89	304.9	9	13.2	0.97	79
STM141	33254	0.	91.	423.	0.	114.	-95.	A	40.	3.	0.69	1.50	0.04	8.4	2.29	240.8	15	12.8	0.94	82
STM088	33254	0.	208.	315.	0.	-2.	13.		40.	2.	0.42	1.50	0.02	4.6	1.25	137.8	8	13.6	1.00	90
STM088	33254	0.	94.	429.	0.	111.	-100.	F	40.	2.	0.76	1.50	0.02	9.7	2.64	291.2	9	13.3	0.98	74
STM088	33254	0.	94.	429.	0.	111.	-100.	A	40.	2.	0.67	1.50	0.02	7.8	2.13	235.4	14	13.0	0.96	77
PFBSTM	33254	0.	83.	411.	0.	122.	-83.		40.	6.	0.95	1.50	0.07	13.6	3.71	347.5	9	13.1	0.96	86
TISTMT	33254	0.	220.	256.	0.	-15.	72.		40.	9.	1.08	1.50	0.11	29.8	8.12	708.0	0	15.8	1.16	92
TISTMT	33254	0.	76.	400.	0.	129.	-71.		40.	9.	1.51	1.50	0.11	38.1	10.38	904.4	0	15.7	1.15	90
TIHRSG	33254	0.	231.	278.	0.	-26.	50.		40.	6.	0.97	1.50	0.05	29.3	7.98	675.6	0	16.4	1.20	81
TIHRSG	33254	0.	83.	426.	0.	122.	-98.		40.	6.	1.41	1.50	0.05	37.7	10.28	870.4	0	16.3	1.20	79
STIRL	33254	183.	68.	227.	-183.	137.	101.		40.	12.	0.56	1.50	0.11	10.3	2.80	191.7	0	14.2	1.04	104
STIRL	33254	0.	251.	227.	0.	-45.	101.		40.	12.	0.56	1.50	0.11	10.3	2.80	191.9	9	13.2	0.97	102
STIRL	33254	0.	58.	410.	0.	137.	-81.		40.	12.	0.99	1.50	0.11	17.6	4.80	329.2	10	12.6	0.92	94
HEGT60	33254	0.	14.	498.	0.	191.	-170.	A	40.	34.	2.25	1.50	0.04	60.4	16.47	458.2	0	16.7	1.22	93
HEGT00	33254	0.	74.	440.	0.	132.	-111.	A	40.	10.	1.09	1.50	0.04	26.3	7.16	463.9	2	14.4	1.06	83
FCMCCL	33254	0.	56.	380.	0.	149.	-52.		40.	17.	1.48	1.50	0.18	30.2	8.24	534.5	5	13.4	0.99	104
FCSTCL	33254	0.	44.	361.	0.	161.	-33.		40.	22.	1.72	1.50	0.24	33.8	9.20	541.5	6	13.1	0.96	102
IGGTST	33254	0.	63.	407.	0.	143.	-79.		40.	15.	1.23	1.50	0.12	27.7	7.54	477.1	5	13.7	1.00	95
GTSOAR	33254	0.	279.	169.	0.	-74.	160.		40.	19.	0.56	1.50	0.16	11.2	3.05	166.7	14	12.6	0.93	111
GTAC08	33254	0.	240.	214.	0.	-35.	115.		40.	14.	0.46	1.50	0.15	8.2	2.24	158.9	22	12.0	0.90	111
GTAC12	33254	0.	252.	184.	0.	-46.	144.		40.	18.	0.50	1.50	0.16	9.5	2.59	164.9	21	12.1	0.89	114
GTAC16	33254	0.	263.	162.	0.	-58.	167.		40.	20.	0.54	1.50	0.20	10.9	2.97	173.2	19	12.0	0.88	116
GTWC16	33254	0.	272.	158.	0.	-67.	170.		40.	21.	0.55	1.50	0.19	11.1	3.02	168.6	17	12.2	0.89	116
CC1626	33254	0.	301.	98.	0.	-96.	230.		40.	28.	0.74	1.50	0.25	13.5	3.68	169.8	16	11.9	0.87	121
CC1622	33254	0.	284.	123.	0.	-79.	206.		40.	25.	0.70	1.50	0.24	12.6	3.45	174.1	16	12.0	0.88	120
CC1222	33254	0.	283.	124.	0.	-77.	204.		40.	25.	0.69	1.50	0.24	12.0	3.27	166.7	17	11.9	0.87	120
CC0822	33254	0.	258.	170.	0.	-53.	159.		40.	19.	0.63	1.50	0.20	10.3	2.82	170.0	16	12.1	0.89	116
DEADV3	33254	0.	401.	0.	0.	-196.	328.		40.	40.	1.28	1.50	0.25	29.2	7.95	248.1	3	14.1	1.04	129
DEADV3	33254	0.	534.	0.	0.	-285.	477.		40.	58.	1.43	1.50	0.26	39.3	10.71	251.0	0	15.8	1.16	120
DEHTPM	33254	0.	266.	179.	0.	-61.	149.		40.	18.	0.79	1.50	0.17	16.6	4.53	267.5	7	13.4	0.98	107
DESOA3	33254	424.	0.	0.	-424.	205.	328.		40.	40.	1.47	1.50	0.20	35.9	9.79	288.7	0	17.9	1.32	129
DESOA3	33254	668.	0.	0.	-668.	280.	580.		40.	71.	1.95	1.50	0.22	58.6	15.97	299.4	0	23.3	1.71	125
DESOA3	33254	0.	424.	0.	0.	-219.	328.		40.	40.	1.47	1.50	0.20	35.9	9.79	288.7	0	15.6	1.14	125
DESOA3	33254	0.	668.	0.	0.	-387.	580.		40.	71.	1.95	1.50	0.22	58.6	15.97	299.4	0	19.7	1.44	118
GTSOAD	33254	200.	56.	188.	-200.	149.	141.		40.	17.	0.48	1.50	0.17	8.6	2.35	147.2	10	13.3	0.97	116
GTRA08	33254	306.	19.	65.	-306.	106.	263.		40.	32.	0.70	1.50	0.27	15.8	4.30	175.6	5	13.6	1.00	125
GTRA12	33254	290.	23.	78.	-290.	182.	250.		40.	30.	0.69	1.50	0.27	15.5	4.23	182.3	6	13.5	0.99	124
GTRA16	33254	272.	30.	100.	-272.	175.	229.		40.	28.	0.68	1.50	0.25	15.4	4.20	193.3	5	13.6	1.00	122
GTR208	33254	239.	43.	145.	-239.	162.	184.		40.	22.	0.58	1.50	0.20	11.9	3.23	169.5	6	13.5	0.99	118
GTR212	33254	248.	39.	131.	-248.	166.	197.		40.	24.	0.60	1.50	0.22	12.8	3.49	176.0	6	13.5	0.99	119
GTR216	33254	250.	37.	125.	-250.	168.	203.		40.	25.	0.62	1.50	0.23	13.6	3.70	185.2	6	13.5	0.99	120

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SUMMARY OF FUEL SAVED BY TYPE & ECONOMICS

ECS	PROCS	FUEL USE IN BTU*10**9 COGENERATION CASE DISTIL	RESIDL	COAL	NOCOGEN - COGEN DISTIL	RESIDL	COAL	POWER REQD MW	COGEN POWER MW	O&M	POWER /HEAT RATIO	FESR	CAPITAL COST *10**6	NORM COST	$/KW EQVL	ROI (%)	LEVL CHRG	NORM ENRG	WRTH
GTRW08	33254	366.	6.	19.	-366.	199.	309.	40.	38.	0.75	1.50	0.27	17.1	4.66	159.3	1	14.1	1.03	125
GTRW12	33254	350.	6.	22.	-350.	199.	307.	40.	37.	0.75	1.50	0.29	17.0	4.62	165.3	5	13.7	1.00	128
GTRW16	33254	323.	15.	51.	-323.	190.	278.	40.	34.	0.73	1.50	0.27	16.6	4.52	175.2	4	13.7	1.01	125
GTR308	33254	311.	29.	96.	-311.	176.	232.	40.	28.	0.65	1.50	0.18	13.6	3.72	149.6	0	14.4	1.06	117
GTR312	33254	284.	28.	95.	-284.	177.	234.	40.	28.	0.64	1.50	0.24	13.6	3.72	164.1	6	13.5	0.99	122
GTR316	33254	281.	30.	99.	-281.	176.	230.	40.	28.	0.65	1.50	0.23	14.1	3.85	171.3	5	13.7	1.00	121
FCPADS	33254	394.	0.	0.	-394.	205.	328.	40.	40.	3.96	1.50	0.26	26.2	7.15	227.0	0	18.5	1.36	139
FCPADS	33254	535.	0.	0.	-535.	253.	499.	40.	60.	5.52	1.50	0.28	35.8	9.76	228.4	0	22.3	1.63	134
FCMCDS	33254	348.	0.	0.	-348.	205.	328.	40.	40.	3.71	1.50	0.35	27.4	7.47	269.1	0	17.0	1.25	147
FCMCDS	33254	391.	0.	0.	-391.	223.	387.	40.	47.	4.17	1.50	0.36	30.8	8.40	269.3	0	18.0	1.32	139

DATE 06/08/7-
CASE-PRO-ADV-DES-ENGR

GENERAL ELE .IC COMPANY
COGENERATION TECHNOLOGY ALTERNATIVES STUDY
REPORT 5.2
SUMMARY OF FUEL SAVED BY TYPE & ECONOMICS

		FUEL USE IN DTU*10**6																
		COGENERATION CASE			**NOCOGEN - COGEN**			POWER	COGEN	O&M	POWER	FESR	CAPITAL	NORM	$/KW	ROI	LEVL	NORM	WRTH
ECS	PROCS	DISTIL	RESIDL	COAL	DISTIL	RESIDL	COAL	REQD MW	POWER MW		/HEAT RATIO		COST *10**6	COST	EQVL	(%)	CHRG	ENRG	
ONOCGN	33314	0.	72.	88.	0.	0.	0.	10.	0.	0.23	0.86	0.	2.2	1.00	157.1	0	4.7	1.00	80
STM141	33314	0.	75.	65.	0.	-3.	18.	10.	2.	0.34	0.86	0.09	3.6	1.66	221.1	10	4.6	0.97	106
STM141	33314	0.	20.	121.	0.	52.	-38. F	10.	2.	0.57	0.86	0.09	6.6	3.03	402.4	8	4.5	0.95	95
STM141	33314	0.	20.	121.	0.	52.	-38. A	10.	2.	0.50	0.86	0.09	5.6	2.58	343.1	12	4.3	0.92	95
STM088	33314	0.	74.	71.	0.	-2.	12.	10.	2.	0.32	0.86	0.06	3.1	1.43	199.0	10	4.6	0.98	102
STM088	33314	0.	21.	124.	0.	51.	-41. F	10.	2.	0.54	0.86	0.06	6.0	2.77	385.1	8	4.6	0.97	89
STM088	33314	0.	21.	124.	0.	51.	-41. A	10.	2.	0.48	0.86	0.06	5.2	2.42	336.8	11	4.4	0.94	91
PFBSTM	33314	0.	16.	115.	0.	56.	-32.	10.	4.	0.65	0.86	0.15	8.6	3.98	472.4	7	4.5	0.95	104
TISTMT	33314	0.	80.	43.	0.	-8.	40.	10.	5.	0.70	0.86	0.21	17.3	8.00	878.3	0	6.0	1.26	115
TISTMT	33314	0.	13.	110.	0.	59.	-27.	10.	5.	0.98	0.86	0.21	22.1	10.20	1119.7	0	6.0	1.26	113
TIHRSG	33314	0.	80.	62.	0.	-9.	21.	10.	3.	0.56	0.86	0.08	15.4	7.11	849.8	0	6.1	1.29	94
TIHRSG	33314	0.	19.	124.	0.	53.	-41.	10.	3.	0.82	0.86	0.08	19.9	9.18	1096.9	0	6.2	1.31	92
STIRL	33314	84.	10.	32.	-84.	62.	51.	10.	6.	0.35	0.86	0.19	5.0	2.29	201.3	0	4.9	1.03	124
STIRL	33314	0.	93.	32.	0.	-22.	51.	10.	6.	0.35	0.86	0.19	5.0	2.29	201.6	14	4.3	0.92	121
STIRL	33314	0.	10.	116.	0.	62.	-33.	10.	6.	0.61	0.86	0.19	8.4	3.88	341.6	13	4.0	0.84	111
HEGT85	33314	0.	0.	139.	0.	72.	-55. A	10.	10.	1.34	0.86	0.10	29.6	13.64	725.0	0	6.8	1.43	118
HEGT85	33314	0.	0.	330.	0.	123.	-75. A	10.	31.	2.06	0.86	0.13	56.8	26.21	587.6	0	9.8	2.08	109
HEGT60	33314	0.	0.	134.	0.	72.	-51. A	10.	10.	1.11	0.86	0.13	26.1	12.05	663.5	0	6.1	1.28	118
HEGT60	33314	0.	0.	137.	0.	73.	-52. A	10.	10.	1.03	0.86	0.13	26.1	12.06	651.9	0	6.0	1.27	107
HEGT00	33314	0.	14.	130.	0.	57.	-47. A	10.	4.	0.64	0.86	0.07	14.3	6.61	597.7	1	5.2	1.11	93
FCMCCL	33314	0.	6.	106.	0.	66.	-23.	10.	8.	0.97	0.86	0.28	16.9	7.78	680.5	4	4.8	1.03	121
FCSTCL	33314	0.	0.	95.	0.	72.	-12.	10.	10.	1.18	0.86	0.38	19.9	9.18	712.5	4	4.9	1.04	145
FCSTCL	33314	0.	0.	100.	0.	74.	-9.	10.	11.	1.08	0.86	0.39	20.0	9.23	685.8	5	4.7	1.00	135
IGGIST	33314	0.	6.	113.	0.	66.	-31.	10.	8.	0.86	0.86	0.23	17.0	7.87	627.2	4	5.0	1.05	115
GTSOAR	33314	0.	99.	17.	0.	-28.	66.	10.	8.	0.35	0.86	0.25	6.0	2.78	218.6	14	4.2	0.89	126
GTAC08	33314	0.	87.	32.	0.	-16.	51.	10.	6.	0.30	0.86	0.23	4.6	2.12	201.9	20	4.1	0.87	125
GTAC12	33314	0.	92.	20.	0.	-20.	63.	10.	8.	0.32	0.86	0.20	5.2	2.39	205.4	20	4.0	0.84	131
GTAC16	33314	0.	96.	11.	0.	-24.	72.	10.	9.	0.34	0.86	0.31	5.8	2.69	215.3	18	3.9	0.83	133
GTWC16	33314	0.	101.	0.	0.	-29.	75.	10.	9.	0.36	0.86	0.29	6.3	2.89	216.3	15	4.0	0.86	130
CC1626	33314	0.	105.	0.	0.	-33.	83.	10.	10.	0.59	0.86	0.32	7.4	3.42	240.2	10	4.3	0.91	143
CC1626	33314	0.	127.	0.	0.	-46.	114.	10.	14.	0.52	0.86	0.35	8.1	3.76	218.7	10	4.3	0.90	134
CC1622	33314	0.	103.	0.	0.	-31.	83.	10.	10.	0.57	0.86	0.34	7.0	3.25	233.5	12	4.2	0.88	145
CC1622	33314	0.	116.	0.	0.	-38.	103.	10.	12.	0.49	0.86	0.36	7.4	3.41	217.6	13	4.1	0.88	136
CC1222	33314	0.	102.	0.	0.	-30.	83.	10.	10.	0.56	0.86	0.34	6.7	3.11	224.9	13	4.1	0.87	146
CC1222	33314	0.	115.	0.	0.	-37.	102.	10.	12.	0.49	0.86	0.36	7.0	3.25	208.9	14	4.0	0.85	136
CC0822	33314	0.	98.	2.	0.	-25.	81.	10.	10.	0.45	0.86	0.35	6.3	2.89	220.1	17	3.9	0.83	137
STI015	33314	0.	136.	0.	0.	-64.	83.	10.	0.	0.65	0.86	0.12	7.9	3.66	198.8	0	5.3	1.11	123
STI015	33314	0.	3077.	0.	0.	-2187.	2821.	10.	344.	5.82	0.86	0.17	99.7	46.03	110.6	0	43.0	9.09	264
STI010	33314	0.	128.	0.	0.	-56.	83.	10.	10.	0.59	0.86	0.17	7.3	3.38	195.2	1	4.9	1.01	128
STI010	33314	0.	302.	0.	0.	-177.	261.	10.	32.	0.79	0.86	0.22	12.9	5.96	145.9	0	6.7	1.42	111
STI01S	33314	0.	124.	0.	0.	-53.	83.	10.	10.	0.58	0.86	0.20	7.0	3.22	191.7	4	4.8	1.01	131
STI01S	33314	0.	190.	0.	0.	-97.	153.	10.	19.	0.58	0.86	0.23	8.8	4.08	159.1	0	5.3	1.12	120
DEADV3	33314	0.	117.	0.	0.	-46.	83.	10.	10.	0.63	0.86	0.24	9.8	4.53	285.1	2	4.9	1.04	133

GENERAL ELECTRIC COMPANY
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SUMMARY OF FUEL SAVED BY TYPE & ECONOMICS

ECS	PROCS	FUEL USE IN BTU*10**6 — **COGENERATION CASE** DISTIL	RESIDL	COAL	**NOCOGEN - COGEN** DISTIL	RESIDL	COAL	POWER REQD MW	COGEN POWER MW	O&M	POWER /HEAT RATIO	FESR	CAPITAL COST *10**6	NORM COST	$/KW EQVL	ROI (%)	LEVL CHRG	NORM ENRG	WRTH
DEADV3	33314	0.	194.	0.	0.	-95.	173.	10.	21.	0.68	0.86	0.29	14.8	6.85	260.5	0	5.7	1.20	122
DEHTPM	33314	0.	96.	9.	0.	-24.	74.	10.	9.	0.49	0.86	0.32	8.5	3.94	312.2	10	4.3	0.91	131
DESOA3	33314	123.	0.	0.	-123.	72.	83.	10.	10.	0.66	0.86	0.20	10.6	4.87	292.3	0	6.0	1.26	133
DESOA3	33314	233.	0.	0.	-233.	107.	202.	10.	25.	0.86	0.86	0.25	21.1	9.72	308.8	0	8.4	1.79	126
DESOA3	33314	0.	123.	0.	0.	-51.	83.	10.	10.	0.66	0.86	0.20	10.6	4.87	292.3	0	5.2	1.10	129
DESOA3	33314	0.	233.	0.	0.	-125.	202.	10.	25.	0.86	0.86	0.25	21.1	9.72	308.8	0	7.0	1.48	119
GTSOAD	33314	87.	7.	22.	-87.	65.	61.	10.	7.	0.31	0.86	0.26	4.8	2.20	187.4	10	4.6	0.96	132
GTRA08	33314	105.	0.	0.	-105.	72.	83.	10.	10.	0.50	0.86	0.32	7.7	3.54	248.8	2	4.9	1.03	146
GTRA08	33314	119.	0.	0.	-119.	78.	102.	10.	12.	0.42	0.86	0.34	8.1	3.72	231.8	2	4.9	1.04	137
GTRA12	33314	104.	0.	0.	-104.	72.	83.	10.	10.	0.49	0.86	0.33	7.6	3.53	250.7	3	4.8	1.02	147
GTRA12	33314	115.	0.	0.	-115.	77.	99.	10.	12.	0.41	0.86	0.35	8.0	3.67	235.6	3	4.8	1.02	137
GTRA16	33314	104.	0.	0.	-104.	72.	83.	10.	10.	0.49	0.86	0.33	7.9	3.65	260.3	3	4.8	1.02	147
GTRA16	33314	110.	0.	0.	-110.	75.	93.	10.	11.	0.41	0.86	0.34	8.0	3.71	248.7	4	4.8	1.02	137
GTR208	33314	99.	2.	6.	-99.	70.	77.	10.	9.	0.36	0.86	0.30	6.4	2.93	218.3	6	4.6	0.93	135
GTR212	33314	103.	0.	1.	-103.	72.	82.	10.	10.	0.38	0.86	0.32	6.9	3.16	226.3	6	4.6	0.98	136
GTR216	33314	103.	0.	0.	-103.	72.	83.	10.	10.	0.43	0.86	0.33	7.2	3.34	239.9	5	4.7	0.99	148
GTR216	33314	104.	0.	0.	-104.	72.	84.	10.	10.	0.39	0.86	0.34	7.2	3.31	236.0	5	4.6	0.98	137
GTRW08	33314	113.	0.	0.	-113.	72.	83.	10.	10.	0.53	0.86	0.27	7.9	3.67	239.6	0	5.2	1.10	141
GTRW08	33314	144.	0.	0.	-144.	83.	122.	10.	15.	0.46	0.86	0.30	9.0	4.16	213.9	0	5.5	1.16	132
GTRW12	33314	110.	0.	0.	-110.	72.	83.	10.	10.	0.52	0.86	0.29	7.9	3.67	246.2	0	5.1	1.08	143
GTRW12	33314	141.	0.	0.	-141.	84.	123.	10.	15.	0.46	0.86	0.32	9.1	4.19	220.0	0	5.3	1.13	134
GTRW16	33314	109.	0.	0.	-109.	72.	83.	10.	10.	0.52	0.86	0.29	8.2	3.77	254.7	0	5.1	1.08	143
GTRW16	33314	133.	0.	0.	-133.	81.	114.	10.	14.	0.45	0.86	0.32	9.0	4.16	231.7	0	5.3	1.11	134
GTR308	33314	116.	0.	0.	-116.	72.	83.	10.	10.	0.48	0.86	0.25	7.2	3.30	210.3	0	5.2	1.10	140
GTR308	33314	124.	0.	0.	-124.	75.	93.	10.	11.	0.40	0.86	0.26	7.2	3.33	197.9	0	5.2	1.10	130
GTR312	33314	109.	0.	0.	-109.	72.	83.	10.	10.	0.49	0.86	0.30	7.3	3.38	230.3	0	4.9	1.05	144
GTR312	33314	121.	0.	0.	-121.	77.	99.	10.	12.	0.41	0.86	0.31	7.5	3.48	213.6	1	5.0	1.05	135
GTR316	33314	109.	0.	0.	-109.	72.	83.	10.	10.	0.49	0.86	0.30	7.6	3.52	239.1	0	5.0	1.06	144
GTR316	33314	120.	0.	0.	-120.	76.	98.	10.	12.	0.41	0.86	0.31	7.8	3.62	223.3	0	5.0	1.06	134
FCPADS	33314	120.	0.	0.	-120.	72.	83.	10.	10.	1.32	0.86	0.23	8.5	3.91	241.9	0	6.3	1.33	140
FCPADS	33314	235.	0.	0.	-235.	111.	215.	10.	26.	2.77	0.86	0.28	16.4	7.56	237.6	0	9.7	2.04	137
FCNCDS	33314	108.	0.	0.	-108.	72.	83.	10.	10.	1.24	0.86	0.30	8.6	3.96	272.0	0	5.8	1.23	147
FCNCDS	33314	172.	0.	0.	-172.	98.	170.	10.	21.	2.09	0.86	0.36	14.0	6.44	277.4	0	7.5	1.59	142

		----------FUEL USE IN BTU*10**6----------																
		COGENERATION CASE			**NOCOGEN - COGEN**													
ECS	PROCS	DISTIL	RESIDL	COAL	DISTIL	RESIDL	COAL		POWER REQD MW	COGEN POWER MW	O&M	POWER /HEAT RATIO	FESR	CAPITAL COST *10**6	NORM COST	$/KW EQVL	ROI (%)	LEVL CHRG	NORM ENRG	WRTH
ONOCGN	33315	0.	116.	152.	0.	0.	0.		19.	0.	0.27	1.05	0.	2.8	1.00	135.7	0	8.0	1.00	80
STM141	33315	0.	121.	126.	0.	-5.	26.		19.	3.	0.39	1.05	0.08	4.6	1.64	188.7	13	7.7	0.97	102
STM141	33315	0.	38.	209.	0.	78.	-57.	F	19.	3.	0.68	1.05	0.08	8.6	3.08	353.7	11	7.5	0.94	90
STM141	33315	0.	38.	209.	0.	78.	-57.	A	19.	3.	0.60	1.05	0.08	7.1	2.53	290.7	15	7.2	0.91	92
STM088	33315	0.	119.	134.	0.	-3.	18.		19.	2.	0.38	1.05	0.06	4.0	1.42	171.2	13	7.8	0.98	99
STM088	33315	0.	40.	213.	0.	76.	-61.	F	19.	2.	0.65	1.05	0.06	7.9	2.82	339.2	10	7.6	0.95	85
STM088	33315	0.	40.	213.	0.	76.	-61.	A	19.	2.	0.58	1.05	0.06	6.7	2.37	285.8	14	7.4	0.92	88
PFBSTM	33315	0.	32.	201.	0.	84.	-49.		19.	5.	0.83	1.05	0.13	11.1	3.96	407.1	10	7.4	0.93	99
TISTMT	33315	0.	128.	92.	0.	-12.	60.		19.	7.	0.88	1.05	0.18	23.3	8.30	788.0	0	9.5	1.19	107
TISTMT	33315	0.	27.	193.	0.	89.	-41.		19.	7.	1.24	1.05	0.18	29.7	10.57	1004.2	0	9.3	1.18	106
TIHRSG	33315	0.	129.	120.	0.	-13.	31.		19.	4.	0.72	1.05	0.07	20.8	7.40	763.0	0	9.8	1.23	89
TIHRSG	33315	0.	36.	213.	0.	80.	-61.		19.	4.	1.05	1.05	0.07	26.8	9.54	984.2	0	9.7	1.23	87
STIRL	33315	126.	23.	76.	-126.	93.	76.		19.	9.	0.45	1.05	0.16	7.2	2.58	196.6	0	8.2	1.03	117
STIRL	33315	0.	148.	76.	0.	-32.	76.		19.	9.	0.45	1.05	0.16	7.3	2.58	196.9	13	7.4	0.93	114
STIRL	33315	0.	23.	201.	0.	93.	-50.		19.	9.	0.80	1.05	0.16	13.1	4.65	354.6	12	6.9	0.87	105
HEGT05	33315	0.	0.	240.	0.	116.	-88.	A	19.	19.	1.87	1.05	0.10	44.1	15.71	627.5	0	10.5	1.32	115
HEGT05	33315	0.	0.	507.	0.	188.	-115.	A	19.	48.	2.78	1.05	0.12	77.1	27.44	518.1	0	14.1	1.78	105
HEGT60	33315	0.	7.	230.	0.	109.	-78.	A	19.	16.	1.35	1.05	0.12	34.9	12.43	576.9	1	9.3	1.17	102
HEGT00	33315	0.	30.	223.	0.	86.	-71.	A	19.	6.	0.83	1.05	0.06	19.1	6.80	530.2	2	8.4	1.06	89
FCMCCL	33315	0.	18.	186.	0.	98.	-34.		19.	11.	1.14	1.05	0.24	22.4	7.99	604.0	5	7.8	0.98	114
FCSTCL	33315	0.	5.	166.	0.	111.	-14.		19.	16.	1.41	1.05	0.36	26.6	9.47	608.9	7	7.4	0.93	128
IGGTST	33315	0.	18.	196.	0.	98.	-46.		19.	11.	1.04	1.05	0.20	22.2	7.92	546.4	5	7.8	0.99	108
GTSOAR	33315	0.	157.	53.	0.	-41.	99.		19.	12.	0.43	1.05	0.21	8.0	2.86	193.5	15	7.1	0.89	120
GTAC08	33315	0.	139.	76.	0.	-23.	76.		19.	9.	0.37	1.05	0.20	6.1	2.19	179.6	22	7.0	0.88	120
GTAC12	33315	0.	146.	57.	0.	-30.	95.		19.	12.	0.40	1.05	0.24	7.0	2.49	184.6	22	6.8	0.85	124
GTAC16	33315	0.	152.	44.	0.	-36.	108.		19.	13.	0.43	1.05	0.27	7.9	2.81	194.2	20	6.7	0.84	126
GTWC16	33315	0.	160.	39.	0.	-44.	112.		19.	14.	0.44	1.05	0.25	8.3	2.96	191.5	17	6.8	0.86	125
CC1626	33315	0.	177.	0.	0.	-61.	152.		19.	19.	0.71	1.05	0.34	10.6	3.78	204.4	14	6.8	0.85	143
CC1626	33315	0.	190.	0.	0.	-69.	171.		19.	21.	0.63	1.05	0.35	10.8	3.86	194.2	15	6.7	0.84	133
CC1622	33315	0.	173.	0.	0.	-57.	152.		19.	19.	0.64	1.05	0.36	10.1	3.58	198.7	17	6.5	0.82	145
CC1622	33315	0.	174.	0.	0.	-57.	153.		19.	19.	0.60	1.05	0.36	10.0	3.56	196.3	17	6.5	0.81	[illegible]
CC1222	33315	0.	172.	0.	0.	-56.	152.		19.	19.	0.62	1.05	0.36	9.6	3.40	189.7	18	6.4	0.81	146
CC1222	33315	0.	172.	0.	0.	-56.	152.		19.	19.	0.59	1.05	0.36	9.5	3.38	188.3	19	6.4	0.80	146
CC0822	33315	0.	155.	31.	0.	-39.	121.		19.	15.	0.54	1.05	0.31	8.3	2.97	195.6	19	6.6	0.83	130
STIG15	33315	0.	234.	0.	0.	-118.	152.		19.	19.	0.88	1.05	0.13	11.6	4.14	169.8	0	8.6	1.08	121
STIG15	33315	0.	4615.	0.	0.	-3281.	4231.		19.	515.	8.40	1.05	0.17	145.9	51.97	107.9	0	64.3	8.09	239
STIG10	33315	0.	219.	0.	0.	-103.	152.		19.	19.	0.79	1.03	0.18	10.7	3.81	166.8	4	8.0	1.00	127
STIG10	33315	0.	453.	0.	0.	-265.	391.		19.	48.	03	1.05	0.22	17.4	6.19	131.0	0	10.3	1.29	112
STIG1S	33315	0.	212.	0.	0.	-96.	152.		19.	19.	76	1.05	0.21	10.1	3.61	162.9	7	7.7	0.97	130
STIG1S	33315	0.	285.	0.	0.	-145.	230.		19.	28.	.75	1.05	0.23	11.9	4.22	142.2	2	8.2	1.03	120
DEADV3	33315	0.	200.	0.	0.	-84.	152.		19.	19.	0.82	1.05	0.25	14.7	5.25	251.7	5	7.9	0.99	132
DEADV3	33315	0.	293.	0.	0.	-144.	261.		19.	32.	0.91	1.05	0.29	22.0	7.83	256.3	0	9.0	1.13	122
DEHTPM	33315	0.	152.	42.	0.	-37.	110.		19.	13.	0.60	1.05	0.27	11.1	3.96	270.7	11	7.1	0.90	124

		----------FUEL USE IN BTU*10**6----------																
		COGENERATION CASE			**NOCOGEN - COGEN**			POWER	COGEN	O&M	POWER	FESR	CAPITAL	NORM	$/KW	ROI	LEVL	NORM	WRTH
ECS	PROCS	DISTIL	RESIDL	COAL	DISTIL	RESIDL	COAL	REQD MW	POWER MW		/HEAT RATIO		COST *10**6	COST	EQVL	(%)	CHRG	ENRG	
DESOA3	33315	210.	0.	0.	-210.	116.	152.	19.	19.	0.91	1.05	0.21	17.9	6.36	290.0	0	9.9	1.25	132
DESOA3	33315	351.	0.	0.	-351.	162.	305.	19.	37.	1.17	1.05	0.25	31.3	11.16	304.8	0	13.1	1.65	126
DESOA3	33315	0.	210.	0.	0.	-94.	152.	19.	19.	0.91	1.05	0.21	17.9	6.36	290.0	0	8.6	1.08	128
DESOA3	33315	0.	351.	0.	0.	-189.	305.	19.	37.	1.17	1.05	0.25	31.3	11.16	304.8	0	10.9	1.37	119
GTSOAD	33315	130.	18.	60.	-130.	98.	92.	19.	11.	0.38	1.05	0.22	6.4	2.27	167.0	11	7.6	0.96	126
GTRA08	33315	177.	0.	0.	-177.	116.	152.	19.	19.	0.57	1.05	0.34	10.8	3.86	208.4	7	7.7	0.97	146
GTRA06	33315	178.	0.	0.	-178.	116.	153.	19.	19.	0.52	1.05	0.34	10.8	3.84	206.0	7	7.7	0.97	146
GTRA12	33315	173.	1.	3.	-173.	115.	149.	19.	18.	0.52	1.05	0.34	10.7	3.81	210.8	8	7.6	0.96	135
GTRA16	33315	166.	4.	13.	-166.	112.	139.	19.	17.	0.52	1.05	0.32	10.8	3.84	222.3	7	7.7	0.97	133
GTR208	33315	149.	11.	37.	-149.	105.	115.	19.	14.	0.45	1.05	0.26	8.5	3.03	194.4	8	7.7	0.97	128
GTR212	33315	155.	9.	29.	-155.	107.	123.	19.	15.	0.47	1.05	0.28	9.2	3.27	201.6	7	7.7	0.97	130
GTR216	33315	156.	8.	26.	-155.	108.	126.	19.	15.	0.48	1.05	0.29	9.6	3.43	211.2	8	7.7	0.97	131
GTRW08	33315	192.	0.	0.	-192.	116.	152.	19.	19.	0.65	1.05	0.28	11.4	4.05	202.3	0	8.4	1.05	140
GTRW06	33315	216.	0.	0.	-216.	125.	183.	19.	22.	0.57	1.05	0.30	12.0	4.26	188.5	0	8.5	1.07	131
GTRW12	33315	186.	0.	0.	-186.	116.	152.	19.	19.	0.65	1.05	0.30	11.4	4.05	208.5	2	8.2	1.03	142
GTRW12	33315	212.	0.	0.	-212.	126.	185.	19.	23.	0.57	1.05	0.32	12.0	4.28	194.0	1	8.3	1.05	133
GTRW16	33315	185.	0.	0.	-185.	116.	152.	19.	19.	0.64	1.05	0.31	11.6	4.15	214.9	3	8.2	1.03	143
GTRW16	33315	200.	0.	0.	-200.	122.	171.	19.	21.	0.56	1.05	0.32	11.9	4.25	204.1	2	8.2	1.03	133
GTR308	33315	187.	4.	12.	-187.	112.	140.	19.	17.	0.50	1.05	0.24	9.6	3.43	175.6	0	8.3	1.05	126
GTR312	33315	181.	1.	3.	-181.	115.	149.	19.	18.	0.50	1.05	0.31	10.0	3.56	188.6	6	7.8	0.96	133
GTR316	33315	180.	2.	5.	-180.	114.	147.	19.	18.	0.51	1.05	0.30	10.4	3.69	196.9	5	7.9	0.99	132
FCPADS	33315	203.	0.	0.	-203.	116.	152.	19.	19.	2.20	1.05	0.24	13.7	4.87	229.4	0	10.6	1.33	140
FCPADS	33315	353.	0.	0.	-353.	167.	323.	19.	39.	4.09	1.05	0.28	24.0	8.55	232.1	0	15.0	1.88	136
FCMCDS	33315	182.	0.	0.	-182.	116.	152.	19.	19.	2.07	1.05	0.32	14.2	5.06	266.9	0	9.7	1.23	147
FCMCDS	33315	258.	0.	0.	-258.	147.	255.	19.	31.	3.09	1.05	0.36	20.7	7.37	274.3	0	11.8	1.48	141

GENERAL ELECTRIC COMPANY
COGENERATION TECHNOLOGY ALTERNATIVES STUDY
REPORT 5.2
SUMMARY OF FUEL SAVED BY TYPE & ECONOMICS

		-----------FUEL USE IN BTU*10**6-----------																		
		COGENERATION CASE			**NOCOGEN - COGEN**															
ECS	PROCS	DISTIL	RESIDL	COAL	DISTIL	RESIDL	COAL	POWER REQD MW	COGEN POWER MW	O&M	POWER /HEAT RATIO	FESR	CAPITAL COST *10**6	NORM COST	$/KW EQVL	ROI (%)	LEVL CHRG	NORM ENRG	WRTH
ONOCGN	33316	0.	110.	131.	0.	0.	0.	16.	0.	0.27	0.91	0.	2.8	1.00	135.7	0	7.2	1.00	80
STM141	33316	0.	115.	105.	0.	-5.	26.	16.	3.	0.39	0.91	0.09	4.6	1.64	188.7	13	7.0	0.96	105
STM141	33316	0.	31.	189.	0.	78.	-57. F	16.	3.	0.68	0.91	0.09	8.6	3.08	353.7	11	6.7	0.93	93
STM141	33316	0.	31.	189.	0.	78.	-57. A	16.	3.	0.60	0.91	0.09	7.1	2.53	290.7	15	6.5	0.90	95
STM088	33316	0.	113.	113.	0.	-3.	18.	16.	2.	0.38	0.91	0.06	4.0	1.42	171.2	13	7.1	0.90	101
STM088	33316	0.	34.	193.	0.	76.	-61. F	16.	2.	0.65	0.91	0.06	7.9	2.82	339.2	10	6.8	0.95	87
STM088	33316	0.	34.	193.	0.	76.	-61. A	16.	2.	0.58	0.91	0.06	6.7	2.37	285.8	14	6.6	0.92	89
PFBSTM	33316	0.	26.	180.	0.	84.	-49.	16.	5.	0.83	0.91	0.15	11.1	3.96	407.1	10	6.6	0.92	102
TISTMT	33316	0.	122.	71.	0.	-12.	60.	16.	7.	0.88	0.91	0.20	23.3	8.30	788.0	0	8.7	1.21	112
TISTMT	33316	0.	21.	172.	0.	89.	-41.	16.	7.	1.24	0.91	0.20	29.7	10.57	1004.2	0	8.6	1.19	-110
TIHRSG	33316	0.	123.	100.	0.	-13.	31.	16.	4.	0.72	0.91	0.08	20.8	7.40	763.0	0	9.1	1.25	92
TIHRSG	33316	0.	30.	193.	0.	80.	-61.	16.	4.	1.05	0.91	0.08	26.8	9.54	[illegible]	0	9.0	1.25	90
STIRL	33316	126.	16.	55.	-126.	93.	76.	16.	9.	0.45	0.91	0.18	7.2	2.56	136.5	0	7.5	1.03	120
STIRL	33316	0.	142.	55.	0.	-32.	76.	16.	9.	0.45	0.91	0.18	7.3	2.50	[illegible]	13	6.7	0.92	118
STIRL	33316	0.	16.	181.	0.	93.	-50.	16.	9.	0.80	0.91	0.18	13.1	4.65	354.6	12	6.2	0.86	108
HEGT05	33316	0.	0.	217.	0.	110.	-86. A	16.	16.	1.75	0.91	0.10	40.5	14.43	637.3	0	9.6	1.33	115
HEGT05	33316	0.	0.	507.	0.	108.	-115. A	16.	48.	2.78	0.91	0.12	77.1	27.44	518.1	0	13.7	1.90	105
HEGT60	33316	0.	1.	209.	0.	109.	-78. A	16.	16.	1.35	0.91	0.13	34.9	12.43	576.9	1	8.5	1.18	104
HEGT00	33316	0.	24.	202.	0.	86.	-71. A	16.	6.	0.83	0.91	0.06	19.1	6.80	530.2	2	7.7	1.07	91
FCMCCL	33316	0.	12.	165.	0.	98.	-34.	16.	11.	1.14	0.91	0.27	22.4	7.99	604.0	5	7.0	0.90	118
FCSTCL	33316	0.	0.	147.	0.	110.	-16.	16.	16.	1.50	0.91	0.39	26.7	9.53	621.2	6	6.8	0.95	143
FCSTCL	33316	0.	0.	149.	0.	111.	-14.	16.	16.	1.41	0.91	0.39	26.6	9.47	608.9	7	6.7	0.92	133
IGGTST	33316	0.	11.	177.	0.	98.	-46.	16.	11.	1.04	0.91	0.22	22.2	7.92	546.4	5	7.1	0.99	112
GTSOAR	33316	0.	151.	33.	0.	-41.	99.	16.	12.	0.43	0.91	0.24	8.0	2.86	193.5	15	6.4	0.88	124
GTAC08	33316	0.	133.	56.	0.	-23.	76.	16.	9.	0.37	0.91	0.22	6.1	2.19	179.6	22	6.2	0.86	123
GTAC12	33316	0.	140.	36.	0.	-30.	95.	16.	12.	0.40	0.91	0.27	7.0	2.49	184.6	22	6.0	0.83	128
GTAC16	33316	0.	145.	24.	0.	-36.	108.	16.	13.	0.43	0.91	0.30	7.9	2.81	194.2	20	5.9	0.82	130
GTWC16	33316	0.	154.	19.	0.	-44.	112.	16.	14.	0.44	0.91	0.28	8.3	2.96	191.5	17	6.1	0.85	128
CC1626	33316	0.	163.	0.	0.	-53.	131.	16.	16.	0.71	0.91	0.32	10.0	3.58	210.4	13	6.3	0.87	143
CC1626	33316	0.	190.	0.	0.	-69.	171.	16.	21.	0.63	0.91	0.35	10.8	3.86	194.2	13	6.2	0.86	133
CC1622	33316	0.	159.	0.	0.	-49.	131.	16.	16.	0.68	0.91	0.34	9.7	3.44	207.5	15	6.1	0.85	144
CC1622	33316	0.	174.	0.	0.	-57.	153.	16.	19.	0.60	0.91	0.36	10.0	3.56	196.3	15	6.0	0.83	134
CC1222	33316	0.	150.	0.	0.	-46.	131.	16.	16.	0.67	0.91	0.34	9.2	3.29	199.6	16	6.1	0.84	145
CC1222	33316	0.	172.	0.	0.	-56.	152.	16.	19.	0.59	0.91	0.36	9.5	3.38	188.3	16	5.9	0.82	135
CC0822	33316	0.	149.	11.	0.	-39.	121.	16.	15.	0.54	0.91	0.34	8.3	2.97	195.6	19	5.9	0.81	135
STIG15	33316	0.	212.	0.	0.	-102.	131.	16.	16.	0.82	0.91	0.12	10.8	3.84	173.7	0	7.8	1.08	122
STIG15	33316	0.	4615.	0.	0.	-3281.	4231.	16.	515.	8.40	0.91	0.17	145.9	51.97	107.9	0	63.9	8.85	258
STIG10	33316	0.	199.	0.	0.	-89.	131.	16.	16.	0.75	0.91	0.18	10.0	3.55	170.9	4	7.3	1.01	127
STIG10	33316	0.	453.	0.	0.	-265.	391.	16.	48.	1.03	0.91	0.22	17.4	6.19	131.0	0	9.8	1.36	111
STIGIS	33316	0.	193.	0.	0.	-83.	131.	16.	16.	0.72	0.91	0.20	9.5	3.38	167.7	6	7.1	0.98	130
STIGIS	33316	0.	285.	0.	0.	-145.	230.	16.	26.	0.75	0.91	0.23	11.9	4.22	142.2	0	7.8	1.08	119
DEADV3	33316	0.	182.	0.	0.	-72.	131.	16.	16.	0.78	0.91	0.24	13.3	4.72	248.2	5	7.2	1.00	132
DEADV3	33316	0.	293.	0.	0.	-144.	261.	16.	32.	0.91	0.91	0.29	22.0	7.83	256.3	0	8.6	1.19	121

GENERAL ELE..IC COMPANY
COGENERATION TECHNOLOGY ALTERNATIVES STUDY
REPORT 5.2
SUMMARY OF FUEL SAVED BY TYPE & ECONOMICS

ECS	PROCS	-----FUEL USE IN BTU*10**6----- **COGENERATION CASE** DISTIL	RESIDL	COAL	**NOCOGEN - COGEN** DISTIL	RESIDL	COAL	POWER REQD MW	COGEN POWER MW	O&M	POWER /HEAT RATIO	FESR	CAPITAL COST *10**6	NORM COST	$/KW EQVL	ROI (%)	LEVL CHRG	NORM ENRG	WRTH
DF'ITTM	33316	0.	146.	21.	0.	-37.	110.	16.	13.	0.60	0.91	0.31	11.1	3.96	270.7	11	6.4	0.89	128
DESOA3	33316	191.	0.	0.	-191.	110.	131.	16.	16.	0.85	0.91	0.21	16.0	5.69	284.6	0	9.0	1.25	132
DESOA3	33316	351.	0.	0.	-351.	162.	305.	16.	37.	1.17	0.91	0.25	31.3	11.16	304.8	0	12.7	1.76	126
DESOA3	33316	0.	191.	0.	0.	-82.	131.	16.	16.	0.85	0.91	0.21	16.0	5.69	284.6	0	7.8	1.09	120
DESOA3	33316	0.	351.	0.	0.	-189.	305.	16.	37.	1.17	0.91	0.25	31.3	11.16	304.8	0	10.5	1.45	118
GTSOAD	33316	130.	12.	40.	-130.	98.	92.	16.	11.	0.38	0.91	0.25	6.4	2.27	167.0	11	6.9	0.96	130
GTRA08	33316	163.	0.	0.	-163.	110.	131.	16.	16.	0.61	0.91	0.32	10.4	3.71	218.0	5	7.2	1.00	145
GTRA08	33316	178.	0.	0.	-178.	116.	153.	16.	19.	0.52	0.91	0.34	10.8	3.84	206.0	4	7.3	1.00	136
GTRA12	33316	161.	0.	0.	-161.	110.	131.	16.	16.	0.60	0.91	0.33	10.4	3.72	221.2	5	7.2	0.99	146
GTRA12	33316	173.	0.	0.	-173.	115.	149.	16.	18.	0.52	0.91	0.34	10.7	3.81	210.8	5	7.2	0.99	136
GTRA16	33316	160.	0.	0.	-160.	110.	131.	16.	16.	0.59	0.91	0.34	10.8	3.83	229.2	5	7.2	0.99	146
GTRA16	33316	166.	0.	0.	-166.	112.	139.	16.	17.	0.52	0.91	0.34	10.8	3.84	222.3	6	7.1	0.99	136
GTR208	33316	149.	5.	16.	-149.	105.	115.	16.	14.	0.45	0.91	0.29	8.5	3.03	194.4	8	7.0	0.97	132
GTR212	33316	155.	2.	8.	-155.	107.	123.	16.	15.	0.47	0.91	0.31	9.2	3.27	201.6	7	7.0	0.97	134
GTR216	33316	156.	1.	5.	-156.	108.	126.	16.	15.	0.48	0.91	0.33	9.6	3.43	211.2	8	7.0	0.97	135
GTRW08	33316	175.	0.	0.	-175.	110.	131.	16.	16.	0.64	0.91	0.27	10.7	3.81	208.4	0	7.7	1.07	140
GTRW08	33316	216.	0.	0.	-216.	125.	183.	16.	22.	0.57	0.91	0.30	12.0	4.26	188.5	0	8.1	1.12	131
GTSW12	33316	171.	0.	0.	-171.	110.	131.	16.	16.	0.64	0.91	0.29	10.7	3.81	214.2	0	7.6	1.05	142
GTRW12	33316	212.	0.	0.	-212.	126.	185.	16.	23.	0.57	0.91	0.32	12.0	4.28	194.0	0	7.9	1.09	133
GTRW16	33316	169.	0.	0.	-169.	110.	131.	16.	16.	0.64	0.91	0.30	11.0	3.92	221.5	1	7.6	1.05	142
GTRW16	33316	200.	0.	0.	-200.	122.	171.	16.	21.	0.56	0.91	0.32	11.9	4.25	204.1	0	7.7	1.07	133
GTR308	33316	180.	0.	0.	-180.	110.	131.	16.	16.	0.57	0.91	0.25	9.7	3.44	182.7	0	7.7	1.07	139
GTR308	33316	187.	0.	0.	-187.	112.	140.	16.	17.	0.50	0.91	0.26	9.6	3.43	175.6	0	7.7	1.07	129
GTR312	33316	168.	0.	0.	-168.	110.	131.	16.	16.	0.59	0.91	0.30	9.8	3.51	200.0	3	7.3	1.02	144
GTR312	33316	181.	0.	0.	-181.	115.	149.	16.	18.	0.50	0.91	0.31	10.0	3.56	188.6	3	7.3	1.02	134
GTR316	33316	168.	0.	0.	-168.	110.	131.	16.	16.	0.60	0.91	0.30	10.2	3.65	207.5	3	7.4	1.03	143
GTR316	33316	180.	0.	0.	-180.	114.	147.	16.	18.	0.51	0.91	0.31	10.4	3.69	196.9	3	7.4	1.02	133
FCPADS	33316	186.	0.	0.	-186.	110.	131.	16.	16.	1.95	0.91	0.23	12.4	4.42	220.3	0	9.6	1.33	139
FCPADS	33316	353.	0.	0.	-353.	167.	323.	16.	39.	4.09	0.91	0.28	24.0	8.55	232.1	0	14.5	2.01	136
FCMCDS	33316	167.	0.	0.	-167.	110.	131.	16.	16.	1.85	0.91	0.31	12.9	4.59	263.7	0	8.9	1.23	146
FCMCDS	33316	250.	0.	0.	-258.	147.	255.	16.	31.	3.09	0.91	0.36	20.7	7.37	274.3	0	11.4	1.57	141

RESIDUAL-FIRED NOCOGENERATION PROCESS BOILER

5.4 - Economic Sensitivity Report for Selected Process-ECS Matches

ECONOMIC SENSITIVITY REPORT FOR SELECTED PROCESS-ECS MATCHES

SENSITIVITY OF CAPITAL COST — PERCENT OF ORIGINAL COST 100

**********LEVELIZED ANNUAL ENERGY COSTS($ MILLIONS)**********

ENERGY CONV SYSTEM		SITE-FUEL	POWER REQD MW	POWER GEN/ REQD	FESRPOWER /HEAT RATIO	CAPITAL COST *10**6	CAPITAL + INSNC	TAXES	ANDM	FUEL	PURCHD ELEC	REVNUE	TOTAL	NORML	PRESNT WORTH 15%	ROI %	GROSS PAY BACK
10101	ONOCGN	RESIDUA	10.	0.	0.	0.25	4.8	0.35	0.15	0.38	1.27	3.08	0.	5.23	1.000	0.	0	0
10101	STM141	RESIDUA	10.	0.99	0.439	0.25	8.3	0.63	0.27	0.57	2.42	0.03	0.	3.93	0.751	2.	25	4
10101	STM141	COAL-FG	10.	0.99	0.439	0.25	16.2	1.23	0.52	1.08	1.41	0.03	0.	4.27	0.816	-3.	10	8
10101	STM141	COAL-AF	10.	0.99	0.439	0.25	12.5	0.95	0.40	0.96	1.41	0.03	0.	3.74	0.715	1.	16	6
10101	STM088	RESIDUA	10.	0.75	0.333	0.25	7.4	0.56	0.24	0.54	2.15	0.76	0.	4.26	0.813	2.	24	4
10101	STM088	COAL-FG	10.	0.75	0.333	0.25	14.9	1.13	0.48	1.02	1.25	0.76	0.	4.65	0.888	-3.	9	9
10101	STM088	COAL-AF	10.	0.75	0.333	0.25	11.8	0.89	0.38	0.92	1.25	0.76	0.	4.20	0.803	-0.	14	7
10101	PFBSTM	COAL-PF	10.	1.00	0.436	0.25	20.8	1.58	0.67	1.59	1.43	0.	0.	5.27	1.007	-8.	5	14
10101	PFBSTM	COAL-PF	10.	1.52	0.484	0.25	19.9	1.51	0.64	1.45	1.79	0.	-0.96	4.44	0.849	-5.	8	10
10101	TISTMT	RESIDUA	10.	1.00	0.187	0.25	29.6	2.25	0.96	1.27	3.55	0.	0.	8.02	1.533	-21.	0	93
10101	TISTMT	RESIDUA	10.	0.54	0.235	0.25	20.5	1.55	0.66	1.01	1.91	1.42	0.	6.56	1.254	-12.	0	999
10101	TISTMT	COAL	10.	1.00	0.436	0.25	41.4	3.14	1.34	1.96	1.43	0.	0.	7.88	1.505	-26.	0	999
10101	TISTMT	COAL	10.	1.99	0.510	0.25	57.1	4.33	1.84	2.15	2.12	0.	-1.83	8.61	1.645	-36.	0	999
10101	TIHRSG	RESIDUA	10.	0.23	0.083	0.25	17.5	1.30	0.55	0.84	1.62	2.37	0.	6.68	1.277	-11.	0	88
10101	TIHRSG	COAL	10.	0.85	0.306	0.25	48.1	3.65	1.55	1.76	1.49	0.47	0.	8.92	1.705	-32.	0	999
10101	STIRL	DISTILL	10.	1.00	0.148	0.25	11.1	0.82	0.35	0.77	4.56	0.	0.	6.51	1.243	-7.	0	65
10101	STIRL	DISTILL	10.	0.63	0.201	0.25	9.3	0.69	0.29	0.70	2.86	1.15	0.	5.69	1.087	-4.	0	160
10101	STIRL	RESIDUA	10.	1.00	0.148	0.25	11.1	0.83	0.35	0.77	3.72	0.	0.	5.67	1.083	-4.	0	999
10101	STIRL	RESIDUA	10.	0.63	0.201	0.25	9.3	0.69	0.29	0.70	2.33	1.15	0.	5.16	0.987	-2.	6	12
10101	STIRL	COAL	10.	1.00	0.321	0.25	21.9	1.62	0.69	1.44	1.72	0.	0.	5.47	1.046	-9.	4	16
10101	STIRL	COAL	10.	2.32	0.385	0.25	28.1	2.08	0.88	1.43	3.02	0.	-2.43	4.98	0.951	-10.	6	12
10101	HEGT85	COAL-AF	10.	1.00	0.178	0.25	35.4	2.68	1.14	1.69	2.09	0.	0.	7.60	1.453	-22.	0	999
10101	HEGT85	COAL-AF	10.	6.10	0.235	0.25	91.7	6.96	2.96	3.34	8.97	0.	-9.43	12.80	2.446	-66.	0	***
10101	HEGT60	COAL-AF	10.	1.00	0.191	0.25	34.0	2.58	1.10	1.66	2.05	0.	0.	7.38	1.411	-21.	0	999
10101	HEGT60	COAL-AF	10.	3.00	0.236	0.25	55.1	4.18	1.78	2.12	4.69	0.	-3.70	9.08	1.735	-36.	0	999
10101	HEGT00	COAL-AF	10.	1.00	0.186	0.25	31.2	2.37	1.01	1.56	2.07	0.	0.	7.01	1.339	-18.	0	999
10101	HEGT00	COAL-AF	10.	1.40	0.203	0.25	33.4	2.53	1.08	1.41	2.60	0.	-0.74	6.88	1.315	-19.	0	999
10101	FCMCCL	COAL	10.	1.00	-0.403	0.25	29.8	2.32	0.99	1.72	3.56	0.	0.	8.58	1.640	-23.	0	81
10101	FCMCCL	COAL	10.	2.57	0.092	0.25	40.3	3.13	1.33	2.09	4.88	0.	-2.90	8.53	1.629	-28.	0	874
10101	FCSTCL	COAL	10.	1.00	-0.388	0.25	29.0	2.25	0.96	1.73	3.52	0.	0.	8.47	1.618	-22.	0	81
10101	FCSTCL	COAL	10.	4.18	0.266	0.25	50.3	3.91	1.66	2.65	6.06	0.	-5.87	8.41	1.608	-33.	0	999
10101	IGGTST	COAL	10.	1.00	-0.465	0.25	28.9	2.25	0.96	1.61	3.72	0.	0.	8.53	1.631	-22.	0	78
10101	IGGTST	COAL	10.	2.95	0.065	0.25	40.4	3.14	1.34	1.64	5.65	0.	-3.60	8.18	1.563	-27.	0	999
10101	GTSOAR	RESIDUA	10.	1.00	0.216	0.25	10.6	0.78	0.33	0.71	3.42	0.	0.	5.25	1.003	-3.	5	14
10101	GTSOAR	RESIDUA	10.	0.71	0.238	0.25	9.6	0.71	0.30	0.67	2.43	0.89	0.	5.00	0.956	-2.	9	10
10101	GTAC08	RESIDUA	10.	1.00	0.158	0.25	9.6	0.71	0.30	0.68	3.68	0.	0.	5.37	1.026	-3.	2	20
10101	GTAC08	RESIDUA	10.	0.57	0.215	0.25	8.3	0.62	0.26	0.63	2.10	1.32	0.	4.93	0.942	-1.	11	8
10101	GTAC12	RESIDUA	10.	1.00	0.255	0.25	9.8	0.72	0.31	0.68	3.26	0.	0.	4.97	0.950	-2.	9	10
10101	GTAC12	RESIDUA	10.	0.71	0.265	0.25	8.8	0.65	0.28	0.65	2.30	0.90	0.	4.78	0.914	-1.	12	8
10101	GTAC16	RESIDUA	10.	1.00	0.296	0.25	10.1	0.75	0.32	0.69	3.07	0.	0.	4.83	0.924	-1.	10	9
10101	GTAC16	RESIDUA	10.	0.79	0.295	0.25	9.4	0.70	0.30	0.66	2.44	0.63	0.	4.73	0.904	-1.	12	8
10101	GTWC16	RESIDUA	10.	1.00	0.279	0.25	10.4	0.77	0.33	0.70	3.15	0.	0.	4.95	0.947	-2.	9	10
10101	GTWC16	RESIDUA	10.	0.85	0.280	0.25	9.9	0.73	0.31	0.68	2.67	0.48	0.	4.87	0.930	-1.	10	9

ECONOMIC SENSITIVITY REPORT FOR SELECTED PROCESS-ECS MATCHES

SENSITIVITY OF CAPITAL COST — PERCENT OF ORIGINAL COST 100

**********LEVELIZED ANNUAL ENERGY COSTS($ MILLIONS)**********

ENERGY SYSTEM	CONV	SITE-FUEL	POWER REQD MW	POWER GEN/ REQD	FESRPOWER /HEAT RATIO	CAPITAL COST *10**6	CAPITAL + INSNC	TAXES	OANDM	FUEL	PURCHD ELEC	REVNUE	TOTAL	NORML	PRESNT WORTH 15%	ROI %	GROSS PAY BACK
10101	CC1626	RESIDUA	10.	1.00	0.331 0.25	10.7	0.81	0.34	0.80	2.92	0.	0.	4.87	0.931	-2.	9	9
10101	CC1626	RESIDUA	10.	1.41	0.362 0.25	12.1	0.92	0.39	0.86	3.61	0.	-0.76	5.01	0.957	-3.	7	11
10101	CC1622	RESIDUA	10.	1.00	0.347 0.25	10.4	0.79	0.33	0.79	2.85	0.	0.	4.76	0.910	-1.	10	8
10101	CC1622	RESIDUA	10.	1.27	0.370 0.25	11.3	0.86	0.37	0.83	3.29	0.	-0.50	4.84	0.924	-2.	9	9
10101	CC1222	RESIDUA	10.	1.00	0.350 0.25	10.1	0.77	0.33	0.78	2.84	0.	0.	4.71	0.901	-1.	11	8
10101	CC1222	RESIDUA	10.	1.27	0.373 0.25	11.0	0.84	0.36	0.82	3.26	0.	-0.50	4.78	0.913	-2.	10	9
10101	CC0822	RESIDUA	10.	1.00	0.375 0.25	10.2	0.78	0.33	0.78	2.73	0.	0.	4.62	0.883	-1.	12	8
10101	CC0822	RESIDUA	10.	1.02	0.377 0.25	10.3	0.78	0.33	0.79	2.76	0.	-0.03	4.62	0.884	-1.	12	8
10101	STIG15	RESIDUA	10.	1.00	0.123 0.25	10.7	0.79	0.34	0.81	3.83	0.	0.	5.77	1.102	-4.	0	999
10101	STIG15	RESIDUA	10.	31.78	0.171 0.25	97.7	7.23	3.08	5.91	82.83	0.	-56.87	42.18	8.061	-160.	0	59
10101	STIG10	RESIDUA	10.	1.00	0.176 0.25	10.2	0.76	0.32	0.77	3.60	0.	0.	5.45	1.041	-3.	1	24
10101	STIG10	RESIDUA	10.	2.94	0.218 0.25	16.0	1.19	0.50	1.09	8.13	0.	-3.58	7.33	1.401	-12.	0	66
10101	STIG1S	RESIDUA	10.	1.00	0.200 0.25	10.0	0.74	0.32	0.76	3.49	0.	0.	5.32	1.016	-3.	4	17
10101	STIG1S	RESIDUA	10.	1.72	0.228 0.25	12.2	0.91	0.39	0.89	5.11	0.	-1.34	5.96	1.138	-6.	0	213
10101	DEADV3	RESIDUA	10.	1.00	0.265 0.25	13.3	0.98	0.42	0.82	3.21	0.	0.	5.43	1.037	-5.	3	18
10101	DEADV3	RESIDUA	10.	1.73	0.302 0.25	16.6	1.23	0.52	0.94	4.62	0.	-1.34	5.98	1.143	-8.	0	999
10101	DEHTPM	RESIDUA	10.	1.00	0.351 0.25	13.0	0.97	0.41	0.84	2.83	0.	0.	5.05	0.966	-3.	6	11
10101	DEHTPM	RESIDUA	10.	0.88	0.344 0.25	12.5	0.93	0.39	0.82	2.49	0.38	0.	5.01	0.957	-3.	7	11
10101	DESOA3	DISTILL	10.	1.00	0.228 0.25	13.9	1.03	0.44	0.84	4.14	0.	0.	6.44	1.231	-8.	0	77
10101	DESOA3	DISTILL	10.	1.97	0.266 0.25	21.3	1.58	0.67	1.08	6.64	0.	-1.79	8.18	1.563	-17.	0	66
10101	DESOA3	RESIDUA	10.	1.00	0.228 0.25	13.9	1.03	0.44	0.84	3.37	0.	0.	5.68	1.086	-6.	0	30
10101	DESOA3	RESIDUA	10.	1.97	0.266 0.25	21.3	1.58	0.67	1.08	5.41	0.	-1.79	6.96	1.329	-13.	0	108
10101	GTSOAD	DISTILL	10.	1.00	0.222 0.25	9.3	0.69	0.29	0.67	4.17	0.	0.	5.83	1.113	-4.	0	80
10101	GTSOAD	DISTILL	10.	0.68	0.244 0.25	8.4	0.62	0.27	0.64	2.82	1.00	0.	5.34	1.021	-2.	2	20
10101	GTRA08	DISTILL	10.	1.00	0.344 0.25	11.0	0.82	0.35	0.72	3.51	0.	0.	5.39	1.030	-3.	2	19
10101	GTRA08	DISTILL	10.	1.07	0.351 0.25	11.3	0.84	0.36	0.73	3.65	0.	-0.13	5.44	1.039	-4.	2	21
10101	GTRA12	DISTILL	10.	1.00	0.350 0.25	11.0	0.81	0.35	0.72	3.48	0.	0.	5.36	1.024	-3.	3	17
10101	GTRA12	DISTILL	10.	1.06	0.355 0.25	11.2	0.83	0.35	0.72	3.59	0.	-0.10	5.39	1.031	-4.	2	19
10101	GTRA16	DISTILL	10.	1.00	0.349 0.25	11.3	0.84	0.36	0.72	3.49	0.	0.	5.41	1.034	-4.	2	19
10101	GTRA16	DISTILL	10.	0.99	0.348 0.25	11.3	0.84	0.36	0.72	3.46	0.02	0.	5.40	1.032	-4.	2	19
10101	GTR208	DISTILL	10.	1.00	0.290 0.25	10.4	0.77	0.33	0.70	3.80	0.	0.	5.61	1.072	-4.	0	999
10101	GTR208	DISTILL	10.	0.83	0.290 0.25	9.8	0.73	0.31	0.68	3.16	0.52	0.	5.40	1.032	-3.	2	22
10101	GTR212	DISTILL	10.	1.00	0.311 0.25	10.7	0.79	0.34	0.71	3.69	0.	0.	5.53	1.056	-4.	0	30
10101	GTR212	DISTILL	10.	0.89	0.309 0.25	10.3	0.76	0.32	0.69	3.29	0.33	0.	5.40	1.033	-3.	2	21
10101	GTR216	DISTILL	10.	1.00	0.326 0.25	10.9	0.81	0.34	0.71	3.61	0.	0.	5.48	1.047	-4.	1	25
10101	GTR216	DISTILL	10.	0.91	0.323 0.25	10.6	0.78	0.33	0.70	3.30	0.27	0.	5.38	1.029	-3.	2	19
10101	GTRW08	DISTILL	10.	1.00	0.288 0.25	11.1	0.82	0.35	0.72	3.81	0.	0.	5.71	1.091	-4.	0	999
10101	GTRW08	DISTILL	10.	1.29	0.306 0.25	12.2	0.90	0.38	0.76	4.46	0.	-0.53	5.98	1.142	-6.	0	129
10101	GTRW12	DISTILL	10.	1.00	0.306 0.25	11.1	0.82	0.35	0.72	3.72	0.	0.	5.61	1.073	-4.	0	999
10101	GTRW12	DISTILL	10.	1.32	0.329 0.25	12.3	0.91	0.39	0.77	4.41	0.	-0.59	5.88	1.124	-6.	0	999
10101	GTRW16	DISTILL	10.	1.00	0.309 0.25	11.4	0.84	0.36	0.73	3.70	0.	0.	5.63	1.076	-4.	0	999
10101	GTRW16	DISTILL	10.	1.23	0.327 0.25	12.3	0.91	0.39	0.76	4.21	0.	-0.43	5.83	1.114	-5.	0	999
10101	GTR308	DISTILL	10.	1.00	0.267 0.25	10.6	0.78	0.33	0.71	3.93	0.	0.	5.76	1.100	-4.	0	628

ECONOMIC SENSITIVITY REPORT FOR SELECTED PROCESS-ECS MATCHES

SENSITIVITY OF CAPITAL COST — PERCENT OF ORIGINAL COST 100

**********LEVELIZED ANNUAL ENERGY COSTS($ MILLIONS)**********

ENERGY CONV SYSTEM	SITE-FUEL	POWER REQD MW	POWER GEN/ REQD	FESRPOWER /HEAT RATIO	CAPITAL COST *10**6	CAPITAL + INSNC	TAXES	OANDM	FUEL	PURCHD ELEC	REVNUE	TOTAL	NORML	PRESNT WORTH 15%	ROI %	GROSS PAY BACK	
10101 GTR312	DISTILL	10.	1.00	0.312	0.25	10.7	0.79	0.34	0.71	3.69	0.	0.	5.53	1.056	-4.	0	30
10101 GTR312	DISTILL	10.	1.09	0.319	0.25	11.0	0.81	0.35	0.72	3.88	0.	-0.17	5.60	1.063	-4.	0	999
10101 GTR316	DISTILL	10.	1.00	0.310	0.25	11.0	0.81	0.35	0.72	3.70	0.	0.	5.58	1.066	-4.	0	999
10101 GTR316	DISTILL	10.	1.07	0.316	0.25	11.3	0.83	0.35	0.73	3.86	0.	-0.14	5.64	1.077	-4.	0	999
10101 FCPADS	DISTILL	10.	1.00	0.232	0.25	11.7	0.87	0.37	1.53	4.12	0.	0.	6.88	1.315	-9.	0	66
10101 FCPADS	DISTILL	10.	2.42	0.279	0.25	19.6	1.45	0.62	3.02	7.76	0.	-2.63	10.22	1.954	-23.	0	62
10101 FCMCDS	DISTILL	10.	1.00	0.310	0.25	12.1	0.90	0.38	1.47	3.70	0.	0.	6.45	1.232	-7.	0	76
10101 FCMCDS	DISTILL	10.	1.92	0.360	0.25	17.4	1.29	0.55	2.37	5.67	0.	-1.70	8.17	1.562	-15.	0	66
10102 ONOCGN	RESIDUA	30.	0.	0.	0.25	14.6	1.08	0.46	0.74	14.04	9.24	0.	25.55	1.000	0.	0	0
10102 STM141	RESIDUA	30.	0.99	0.246	0.25	19.0	1.44	0.61	0.98	17.50	0.11	0.	20.64	0.808	13.	55	2
10102 STM141	COAL-FG	30.	0.99	0.246	0.25	34.5	2.62	1.11	2.01	10.16	0.11	0.	16.02	0.627	20.	30	4
10102 STM141	COAL-AF	30.	0.99	0.246	0.25	29.8	2.26	0.96	1.95	10.16	0.11	0.	15.44	0.604	24.	38	3
10102 STM088	RESIDUA	30.	0.75	0.187	0.25	17.2	1.30	0.55	0.93	16.67	2.30	0.	21.75	0.851	10.	67	2
10102 STM088	COAL-FG	30.	0.75	0.187	0.25	32.1	2.44	1.04	1.89	9.68	2.30	0.	17.35	0.679	17.	29	4
10102 STM088	COAL-AF	30.	0.75	0.187	0.25	23.4	1.77	0.75	1.75	9.68	2.30	0.	15.26	0.636	25.	54	2
10102 PFBSTM	COAL-PF	30.	1.00	0.245	0.25	42.4	3.22	1.37	3.12	10.24	0.	0.	17.94	0.702	10.	20	5
10102 PFBSTM	COAL-PF	30.	1.52	0.308	0.25	41.0	3.11	1.32	3.13	11.31	0.	-2.86	16.02	0.627	17.	25	4
10102 TISTMT	RESIDUA	30.	1.00	0.245	0.25	65.9	5.00	2.13	2.40	17.63	0.	0.	27.16	1.063	-30.	2	20
10102 TISTMT	RESIDUA	30.	1.99	0.349	0.25	101.7	7.72	3.28	3.11	21.18	0.	-5.48	29.82	1.167	-55.	0	29
10102 TISTMT	COAL	30.	1.00	0.245	0.25	91.4	6.94	2.95	3.78	10.24	0.	0.	23.91	0.936	-32.	6	11
10102 TISTMT	COAL	30.	1.99	0.349	0.25	128.5	9.75	4.14	4.45	12.30	0.	-5.48	25.16	0.985	-54.	5	13
10102 TIHRSG	RESIDUA	30.	0.85	0.171	0.25	84.9	6.29	2.67	2.52	17.92	1.42	0.	30.82	1.206	-49.	0	999
10102 TIHRSG	COAL	30.	0.85	0.171	0.25	108.6	8.24	3.50	3.72	10.41	1.42	0.	27.29	1.068	-51.	3	17
10102 STIRL	DISTILL	30.	1.00	0.180	0.25	28.9	2.14	0.91	1.43	23.45	0.	0.	27.93	1.093	-14.	0	68
10102 STIRL	DISTILL	30.	2.31	0.274	0.25	46.9	3.48	1.48	1.71	31.64	0.	-7.27	31.04	1.215	-32.	0	66
10102 STIRL	RESIDUA	30.	1.00	0.180	0.25	28.9	2.14	0.91	1.43	19.13	0.	0.	23.62	0.924	-1.	14	7
10102 STIRL	RESIDUA	30.	2.31	0.274	0.25	47.0	3.48	1.48	1.71	25.81	0.	-7.27	25.22	0.987	-14.	6	12
10102 STIRL	COAL	30.	1.00	0.180	0.25	54.2	4.02	1.71	2.85	11.11	0.	0.	19.69	0.771	-0.	14	7
10102 STIRL	COAL	30.	2.31	0.274	0.25	82.1	6.08	2.59	3.40	14.99	0.	-7.27	19.79	0.774	-14.	11	8
10102 HEGT85	COAL-AF	30.	1.00	0.100	0.25	75.4	5.72	2.43	3.34	12.20	0.	0.	23.70	0.927	-24.	7	11
10102 HEGT85	COAL-AF	30.	6.09	0.201	0.25	199.4	15.14	6.43	7.47	32.80	0.	-28.19	33.64	1.317	-114.	0	26
10102 HEGT60	COAL-AF	30.	1.00	0.107	0.25	72.4	5.49	2.34	3.27	12.11	0.	0.	23.20	0.908	-21.	8	10
10102 HEGT60	COAL-AF	30.	2.99	0.178	0.25	119.5	9.07	3.86	4.65	19.99	0.	-11.05	26.51	1.038	-54.	4	15
10102 HEGT00	COAL-AF	30.	1.00	0.104	0.25	67.1	5.09	2.17	3.13	12.14	0.	0.	22.53	0.882	-16.	9	9
10102 HEGT00	COAL-AF	30.	1.40	0.126	0.25	72.5	5.50	2.34	3.05	13.72	0.	-2.20	22.42	0.877	-18	9	10
10102 FCMCCL	COAL	30.	1.00	0.213	0.25	64.3	5.00	2.13	3.52	10.66	0.	0.	21.31	0.834	-12.	10	8
10102 FCMCCL	COAL	30.	2.56	0.337	0.25	88.8	6.91	2.94	4.87	14.59	0.	-8.67	20.63	0.808	-22.	9	9
10102 FCSTCL	COAL	30.	1.00	0.222	0.25	62.3	4.84	2.06	3.43	10.55	0.	0.	20.88	0.817	-9.	11	8
10102 FCSTCL	COAL	30.	4.17	0.409	0.25	111.0	8.63	3.67	6.12	18.15	0.	-17.56	19.01	0.744	-28.	9	9
10102 IGGTST	COAL	30.	1.00	0.179	0.25	60.0	4.66	1.98	2.85	11.13	0.	0.	20.63	0.807	-7.	12	8
10102 IGGTST	COAL	30.	2.94	0.296	0.25	87.3	6.79	2.89	3.06	16.92	0.	-10.75	18.90	0.740	-15.	11	8
10102 GTSOAR	RESIDUA	30.	1.00	0.188	0.25	22.9	1.69	0.72	1.21	18.96	0.	0.	22.59	0.884	5.	25	4
10102 GTSOAR	RESIDUA	30.	2.62	0.299	0.25	33.8	2.51	1.07	1.30	26.96	0.	-9.00	22.83	0.893	-0.	14	7

ECONOMIC SENSITIVITY REPORT FOR SELECTED PROCESS-ECS MATCHES

SENSITIVITY OF CAPITAL COST — PERCENT OF ORIGINAL COST 100

************LEVELIZED ANNUAL ENERGY COSTS($ MILLIONS)***********

ENERGY CONV SYSTEM	SITE-FUEL	POWER REQD MW	POWER GEN/REQD	FESR	POWER/HEAT RATIO	CAPITAL COST *10**6	CAPITAL	TAXES + INSNC	OANDM	FUEL	PURCHD ELEC	REVNUE	TOTAL	NORML	PRESNT WORTH 15%	ROI %	GROSS PAY BACK
10102 GTAC08	RESIDUA	30.	2.11	0.308	0.25	25.3	1.88	0.80	1.07	23.32	0.	-6.17	20.89	0.817	10.	29	4
10102 GTAC12	RESIDUA	30.	1.00	0.211	0.25	21.7	1.61	0.68	1.18	18.43	0.	0.	21.89	0.857	8.	33	3
10102 GTAC12	RESIDUA	30.	2.61	0.335	0.25	30.1	2.23	0.95	1.20	25.49	0.	-8.93	20.95	0.820	7.	22	5
10102 GTAC16	RESIDUA	30.	1.00	0.209	0.25	23.8	1.76	0.75	1.23	18.47	0.	0.	22.22	0.870	6.	25	4
10102 GTAC16	RESIDUA	30.	2.93	0.346	0.25	34.2	2.54	1.08	1.31	27.05	0.	-10.71	21.26	0.832	4.	18	6
10102 GTWC16	RESIDUA	30.	1.00	0.186	0.25	23.7	1.75	0.74	1.23	19.00	0.	0.	22.73	0.890	5.	23	5
10102 GTWC16	RESIDUA	30.	3.12	0.315	0.25	33.0	2.45	1.04	1.39	29.54	0.	-11.77	22.56	0.883	1.	15	6
10102 CC1626	RESIDUA	30.	1.00	0.186	0.25	27.1	2.06	0.88	1.43	19.01	0.	0.	23.37	0.915	1.	15	6
10102 CC1626	RESIDUA	30.	5.22	0.362	0.25	48.3	3.66	1.56	1.89	39.96	0.	-23.37	23.69	0.927	-11.	9	9
10102 CC1622	RESIDUA	30.	1.00	0.195	0.25	27.1	2.06	0.87	1.42	18.80	0.	0.	23.15	0.906	1.	16	6
10102 CC1622	RESIDUA	30.	4.70	0.370	0.25	49.1	3.73	1.58	1.86	36.41	0.	-20.51	23.07	0.903	-9.	10	9
10102 CC1222	RESIDUA	30.	1.00	0.197	0.25	26.5	2.01	0.85	1.41	18.76	0.	0.	23.03	0.901	2.	17	6
10102 CC1222	RESIDUA	30.	4.68	0.373	0.25	46.3	3.52	1.49	1.82	36.14	0.	-20.42	22.54	0.882	-6.	11	8
10102 CC0822	RESIDUA	30.	1.00	0.211	0.25	26.2	1.99	0.84	1.40	18.43	0.	0.	22.66	0.887	3.	19	5
10102 CC0822	RESIDUA	30.	3.75	0.377	0.25	36.3	2.75	1.17	1.53	30.54	0.	-15.27	20.72	0.811	5.	18	6
10102 STIG15	RESIDUA	30.	1.00	0.069	0.25	27.5	2.04	0.87	1.59	21.74	0.	0.	26.24	1.027	-8.	0	999
10102 STIG15	RESIDUA	30.	117.39	0.171	0.25	861.5	63.81	27.13	51.42	917.88	0.	-645.14	415.10	16.245	-1621.	0	58
10102 STIG10	RESIDUA	30.	1.00	0.099	0.25	26.5	1.96	0.83	1.49	21.04	0.	0.	25.32	0.991	-5.	6	12
10102 STIG10	RESIDUA	30.	10.86	0.218	0.25	94.6	7.01	2.98	4.83	90.06	0.	-54.63	50.24	1.966	-115.	0	60
10102 STIG1S	RESIDUA	30.	1.00	0.112	0.25	26.0	1.92	0.82	1.48	20.72	0.	0.	24.95	0.976	-4.	9	10
10102 STIG1S	RESIDUA	30.	6.37	0.228	0.25	55.2	4.09	1.74	3.08	56.61	0.	-29.76	35.76	1.399	-51.	0	62
10102 DEADV3	RESIDUA	30.	1.00	0.149	0.25	35.9	2.66	1.13	1.60	19.87	0.	0.	25.26	0.988	-9.	6	12
10102 DEADV3	RESIDUA	30.	6.38	0.302	0.25	125.1	9.26	3.94	3.82	51.23	0.	-29.82	38.43	1.504	-92.	0	83
10102 DEHTPM	RESIDUA	30.	1.00	0.220	0.25	32.8	2.43	1.03	1.57	18.21	0.	0.	23.24	0.910	-1.	13	7
10102 DEHTPM	RESIDUA	30.	3.24	0.377	0.25	69.4	5.14	2.19	2.38	27.55	0.	-12.41	24.85	0.972	-23.	6	12
10102 DESOA3	DISTILL	30.	1.00	0.128	0.25	40.8	3.02	1.28	1.73	24.96	0.	0.	31.00	1.213	-29.	0	63
10102 DESOA3	DISTILL	30.	7.27	0.266	0.25	176.2	13.05	5.55	6.14	73.54	0.	-34.75	62.53	2.447	-192.	0	62
10102 DESOA3	RESIDUA	30.	1.00	0.128	0.25	40.8	3.02	1.28	1.73	20.36	0.	0.	26.40	1.033	-15.	2	21
10102 DESOA3	RESIDUA	30.	7.27	0.266	0.25	176.2	13.05	5.55	6.14	59.99	0.	-34.75	48.98	1.917	-149.	0	70
10102 GTSOAD	DISTILL	30.	1.00	0.203	0.25	20.4	1.51	0.64	1.15	22.82	0.	0.	26.12	1.022	-5.	0	193
10102 GTSOAD	DISTILL	30.	2.50	0.317	0.25	26.3	1.95	0.83	1.10	31.23	0.	-8.30	26.81	1.049	-9.	0	93
10102 GTRA08	DISTILL	30.	1.00	0.193	0.25	28.0	2.08	0.88	1.34	23.09	0.	0.	27.39	1.072	-12.	0	75
10102 GTRA08	DISTILL	30.	3.96	0.351	0.25	45.0	3.33	1.42	1.62	40.47	0.	-16.39	30.45	1.192	-30.	0	67
10102 GTRA12	DISTILL	30.	1.00	0.196	0.25	28.3	2.09	0.89	1.35	23.00	0.	0.	27.33	1.069	-12.	0	78
10102 GTRA12	DISTILL	30.	3.90	0.355	0.25	45.7	3.39	1.44	1.63	39.79	0.	-16.08	30.17	1.181	-29.	0	70
10102 GTRA16	DISTILL	30.	1.00	0.197	0.25	26.1	1.93	0.82	1.29	22.98	0.	0.	27.02	1.058	-10.	0	79
10102 GTRA16	DISTILL	30.	3.67	0.350	0.25	46.1	3.42	1.45	1.64	38.37	0.	-14.78	30.09	1.178	-29.	0	71
10102 GTR208	DISTILL	30.	1.00	0.196	0.25	24.0	1.78	0.76	1.24	23.01	0.	0.	26.79	1.048	-8.	0	78
10102 GTR208	DISTILL	30.	3.07	0.329	0.25	36.8	2.72	1.16	1.39	33.03	0.	-11.47	28.82	1.128	-21.	0	70
10102 GTR212	DISTILL	30.	1.00	0.195	0.25	24.6	1.82	0.77	1.26	23.05	0.	0.	26.90	1.053	-9.	0	76
10102 GTR212	DISTILL	30.	3.29	0.335	0.25	39.5	2.93	1.24	1.46	36.46	0.	-12.72	29.37	1.149	-24.	0	69
10102 GTR216	DISTILL	30.	1.00	0.198	0.25	25.3	1.87	0.80	1.27	22.94	0.	0.	26.88	1.052	-9.	0	82
10102 GTR216	DISTILL	30.	3.37	0.344	0.25	42.2	3.13	1.33	1.53	36.54	0.	-13.15	29.37	1.150	-25.	0	72

ECONOMIC SENSITIVITY REPORT FOR SELECTED PROCESS-ECS MATCHES

SENSITIVITY OF CAPITAL COST — PERCENT OF ORIGINAL COST 100

**********LEVELIZED ANNUAL ENERGY COSTS($ MILLIONS)**********

ENERGY CONV SYSTEM	SITE-FUEL	POWER REQD MW	POWER GEN/ REQD	FESRPOWER /HEAT RATIO	CAPITAL COST *10**6	CAPITAL + INSNC	TAXES	O&NDM	FUEL	PURCHD ELEC	REVNUE	TOTAL	NORML	PRESNT WORTH 15%	ROI %	GROSS PAY BACK	
10102 GTRW08	DISTILL	30.	4.75	0.308 0.25	47.1	3.49	1.48	1.70	49.41	0.	-20.78	35.30	1.382	-46.		0	60
10102 GTRW12	DISTILL	30.	1.00	0.172 0.25	27.9	2.07	0.88	1.34	23.71	0.	0.	28.00	1.096	-14.		0	65
10102 GTRW12	DISTILL	30.	4.87	0.329 0.25	47.7	3.53	1.50	1.72	48.89	0.	-21.47	34.18	1.338	-43.		0	61
10102 GTRW16	DISTILL	30.	1.00	0.173 0.25	28.5	2.11	0.90	1.36	23.66	0.	0.	28.02	1.097	-14.		0	66
10102 GTRW16	DISTILL	30.	4.56	0.327 0.25	47.5	3.51	1.49	1.70	46.60	0.	-19.71	33.60	1.315	-41.		0	61
10102 GTR308	DISTILL	30.	1.00	0.154 0.25	24.0	1.78	0.76	1.25	24.23	0.	0.	28.02	1.096	-12.		0	61
10102 GTR308	DISTILL	30.	3.61	0.272 0.25	36.9	2.74	1.16	1.42	42.57	0.	-14.49	33.40	1.307	-35.		0	59
10102 GTR312	DISTILL	30.	1.00	0.175 0.25	27.0	2.00	0.85	1.32	23.61	0.	0.	27.79	1.087	-13.		0	66
10102 GTR312	DISTILL	30.	4.03	0.319 0.25	41.1	3.04	1.29	1.53	42.99	0.	-16.77	32.09	1.256	-33.		0	61
10102 GTR316	DISTILL	30.	1.00	0.174 0.25	27.7	2.05	0.87	1.34	23.64	0.	0.	27.90	1.092	-14.		0	66
10102 GTR316	DISTILL	30.	3.97	0.316 0.25	42.3	3.13	1.33	1.56	42.73	0.	-16.44	32.31	1.264	-34.		0	61
10102 FCPADS	DISTILL	30.	1.00	0.130 0.25	34.1	2.53	1.07	4.02	24.90	0.	0.	32.52	1.273	-31.		0	61
10102 FCPADS	DISTILL	30.	8.95	0.279 0.25	154.0	11.41	4.85	28.02	86.04	0.	-44.08	86.23	3.375	-259.		0	60
10102 FCMCDS	DISTILL	30.	1.00	0.174 0.25	35.3	2.62	1.11	3.84	23.64	0.	0.	31.21	1.221	-28.		0	63
10102 FCMCDS	DISTILL	30.	7.08	0.360 0.25	132.4	9.80	4.17	21.00	62.79	0.	-33.72	64.04	2.506	-178.		0	62
20111 ONOCGN	RESIDUA	2.	0.	0. 0.28	1.6	0.12	0.05	0.19	0.22	0.16	0.	0.73	1.000	0.		0	0
20111 STM141	RESIDUA	2.	1.00	0.264 0.28	3.2	0.24	0.10	0.36	0.28	0.	0.	0.98	1.342	-2.		0	77
20111 STM141	RESIDUA	2.	1.09	0.277 0.28	3.0	0.23	0.10	0.29	0.28	0.	-0.01	0.89	1.226	-1.		0	114
20111 STM141	COAL-FG	2.	1.00	0.264 0.28	5.6	0.43	0.18	0.57	0.16	0.	0.	1.34	1.842	-4.		0	77
20111 STM141	COAL-FG	2.	1.09	0.277 0.28	5.2	0.39	0.17	0.46	0.16	0.	-0.01	1.17	1.614	-3.		0	92
20111 STM141	COAL-AF	2.	1.00	0.264 0.28	5.1	0.39	0.17	0.51	0.16	0.	0.	1.22	1.683	-3.		0	82
20111 STM141	COAL-AF	2.	1.09	0.277 0.28	4.6	0.35	0.15	0.40	0.16	0.	-0.01	1.05	1.441	-2.		0	141
20111 STM088	RESIDUA	2.	0.86	0.227 0.28	2.6	0.20	0.08	0.28	0.27	0.02	0.	0.85	1.166	-1.		0	114
20111 STM088	COAL-FG	2.	0.86	0.227 0.28	4.7	0.36	0.15	0.44	0.15	0.02	0.	1.13	1.553	-3.		0	89
20111 STM088	COAL-AF	2.	0.86	0.227 0.28	4.3	0.33	0.14	0.38	0.15	0.02	0.	1.03	1.411	-2.		0	125
20111 PFBSTM	COAL-PF	2.	1.00	0.261 0.28	7.1	0.54	0.23	0.61	0.16	0.	0.	1.54	2.114	-5.		0	76
20111 PFBSTM	COAL-PF	2.	1.58	0.332 0.28	6.8	0.52	0.22	0.47	0.18	0.	-0.05	1.34	1.840	-4.		0	95
20111 TISTMT	RESIDUA	2.	1.00	0.260 0.28	8.7	0.66	0.28	0.53	0.28	0.	0.	1.74	2.392	-7.		0	74
20111 TISTMT	RESIDUA	2.	2.03	0.368 0.28	13.0	0.99	0.42	0.56	0.34	0.	-0.10	2.21	3.034	-10.		0	78
20111 TISTMT	COAL	2.	1.00	0.260 0.28	12.2	0.93	0.39	0.79	0.16	0.	0.	2.27	3.115	-10.		0	74
20111 TISTMT	COAL	2.	2.03	0.368 0.28	16.5	1.26	0.53	0.77	0.20	0.	-0.10	2.65	3.648	-13.		0	79
20111 TIHRSG	RESIDUA	2.	0.75	0.172 0.28	10.2	0.76	0.32	0.40	0.27	0.04	0.	1.79	2.455	-7.		0	78
20111 TIHRSG	COAL	2.	0.75	0.172 0.28	13.2	1.00	0.43	0.57	0.16	0.04	0.	2.20	3.019	-10.		0	79
20111 STIRL	DISTILL	2.	1.00	0.214 0.28	2.7	0.20	0.08	0.34	0.36	0.	0.	0.98	1.345	-1.		0	65
20111 STIRL	DISTILL	2.	2.42	0.323 0.28	3.3	0.24	0.10	0.28	0.50	0.	-0.13	0.98	1.354	-2.		0	71
20111 STIRL	RESIDUA	2.	1.00	0.214 0.28	2.7	0.20	0.08	0.34	0.29	0.	0.	0.91	1.254	-1.		0	74
20111 STIRL	RESIDUA	2.	2.42	0.323 0.28	3.3	0.24	0.10	0.28	0.40	0.	-0.13	0.89	1.229	-1.		0	154
20111 STIRL	COAL	2.	1.00	0.214 0.28	5.7	0.42	0.18	0.57	0.17	0.	0.	1.34	1.847	-4.		0	76
20111 STIRL	COAL	2.	2.42	0.323 0.28	5.8	0.43	0.18	0.45	0.24	0.	-0.13	1.17	1.606	-3.		0	128
20111 HEGT85	COAL-AF	2.	1.00	0.188 0.28	10.8	0.82	0.35	0.62	0.18	0.	0.	1.97	2.706	-8.		0	77
20111 HEGT85	COAL-AF	2.	3.10	0.308 0.28	17.8	1.35	0.57	0.65	0.28	0.	-0.20	2.66	3.660	-14.		0	83
20111 HEGT60	COAL-AF	2.	1.00	0.134 0.28	10.6	0.81	0.34	0.62	0.19	0.	0.	1.96	2.690	-8.		0	77
20111 HEGT60	COAL-AF	2.	2.47	0.204 0.28	15.2	1.15	0.49	0.59	0.28	0.	-0.14	2.37	3.257	-12.		0	82

ECONOMIC SENSITIVITY REPORT FOR SELECTED PROCESS-ECS MATCHES

SENSITIVITY OF CAPITAL COST — PERCENT OF ORIGINAL COST 100

ENERGY SYSTEM	CONV	SITE-FUEL	POWER REQD MW	POWER GEN/ REQD	FESRPOWER /HEAT RATIO	CAPITAL COST *10**6	CAPITAL + INSNC	TAXES	OANDM	FUEL	PURCHD ELEC	REVNUE	TOTAL	NORML	PRESNT WORTH 15%	ROI %	GROSS PAY BACK
			********** LEVELIZED ANNUAL ENERGY COSTS($ MILLIONS) **********														
20111	HEGTOO	COAL-AF	2.	1.23	0.138	0.28	9.6	0.73	0.31	0.42	0.21	0.	-0.02	1.64	2.259	-7.	0	89
20111	FCMCCL	COAL	2.	1.00	0.227	0.28	9.3	0.72	0.31	0.61	0.17	0.	0.	1.81	2.487	-7.	0	78
20111	FCMCCL	COAL	2.	2.32	0.338	0.28	11.7	0.91	0.39	0.54	0.22	0.	-0.12	1.94	2.663	-9.	0	88
20111	FCSTCL	COAL	2.	1.00	0.236	0.28	9.1	0.70	0.30	0.67	0.17	0.	0.	1.83	2.521	-7.	0	75
20111	FCSTCL	COAL	2.	4.09	0.419	0.28	15.2	1.18	0.50	0.73	0.29	0.	-0.29	2.41	3.318	-12.	0	85
20111	IGGTST	COAL	2.	1.00	0.193	0.28	9.5	0.74	0.31	0.73	0.18	0.	0.	1.96	2.689	-8.	0	74
20111	IGGTST	COAL	2.	2.93	0.312	0.28	13.2	1.03	0.44	0.71	0.27	0.	-0.18	2.26	3.112	-11.	0	80
20111	GTSOAR	RESIDUA	2.	1.00	0.206	0.28	3.3	0.25	0.11	0.33	0.30	0.	0.	0.98	1.347	-2.	0	77
20111	GTSOAR	RESIDUA	2.	2.31	0.306	0.28	4.0	0.30	0.13	0.26	0.40	0.	-0.12	0.97	1.328	-2.	0	123
20111	GTAC08	RESIDUA	2.	1.00	0.222	0.28	2.9	0.22	0.09	0.32	0.29	0.	0.	0.92	1.263	-1.	0	81
20111	GTAC08	RESIDUA	2.	1.92	0.307	0.28	3.1	0.23	0.10	0.23	0.36	0.	-0.09	0.84	1.154	-1.	0	909
20111	GTAC12	RESIDUA	2.	1.00	0.226	0.28	3.0	0.22	0.09	0.32	0.29	0.	0.	0.92	1.264	-1.	0	81
20111	GTAC12	RESIDUA	2.	2.34	0.337	0.28	3.5	0.26	0.11	0.25	0.39	0.	-0.13	0.87	1.200	-1.	0	909
20111	GTAC16	RESIDUA	2.	1.00	0.225	0.28	3.0	0.23	0.10	0.32	0.29	0.	0.	0.93	1.282	-1.	0	80
20111	GTAC16	RESIDUA	2.	2.61	0.350	0.28	3.8	0.28	0.12	0.26	0.41	0.	-0.15	0.92	1.265	-2.	0	955
20111	GTWC16	RESIDUA	2.	1.00	0.197	0.28	3.3	0.24	0.10	0.33	0.30	0.	0.	0.98	1.342	-2.	0	76
20111	GTWC16	RESIDUA	2.	2.83	0.315	0.28	4.3	0.32	0.14	0.28	0.45	0.	-0.17	1.02	1.395	-2.	0	101
20111	CC1626	RESIDUA	2.	1.00	0.199	0.28	3.4	0.26	0.11	0.40	0.30	0.	0.	1.07	1.465	-2.	0	70
20111	CC1626	RESIDUA	2.	5.08	0.371	0.28	6.3	0.48	0.20	0.44	0.64	0.	-0.38	1.38	1.893	-4.	0	77
20111	CC1622	RESIDUA	2.	1.00	0.209	0.28	3.2	0.24	0.10	0.39	0.30	0.	0.	1.04	1.425	-2.	0	71
20111	CC1622	RESIDUA	2.	4.59	0.380	0.28	5.8	0.43	0.18	0.41	0.58	0.	-0.34	1.27	1.744	-4.	0	80
20111	CC1222	RESIDUA	2.	1.00	0.210	0.28	3.1	0.24	0.10	0.39	0.30	0.	0.	1.03	1.409	-2.	0	70
20111	CC1222	RESIDUA	2.	4.58	0.383	0.28	5.4	0.41	0.17	0.41	0.58	0.	-0.34	1.23	1.696	-3.	0	81
20111	CC0822	RESIDUA	2.	1.00	0.225	0.28	3.3	0.25	0.11	0.39	0.29	0.	0.	1.04	1.423	-2.	0	71
20111	CC0822	RESIDUA	2.	3.70	0.389	0.28	4.9	0.37	0.16	0.38	0.49	0.	-0.25	1.15	1.577	-3.	0	86
20111	STIG15	RESIDUA	2.	1.00	0.073	0.28	3.5	0.26	0.11	0.35	0.35	0.	0.	1.06	1.464	-2.	0	69
20111	STIG15	RESIDUA	2.	106.26	0.171	0.28	65.0	4.81	2.05	2.64	14.10	0.	-9.90	13.70	18.829	-70.	0	63
20111	STIG10	RESIDUA	2.	1.00	0.105	0.28	3.3	0.25	0.10	0.34	0.33	0.	0.	1.03	1.412	-2.	0	70
20111	STIG10	RESIDUA	2.	9.83	0.218	0.28	8.9	0.66	0.28	0.50	1.38	0.	-0.83	2.00	2.746	-7.	0	66
20111	STIG1S	RESIDUA	2.	1.00	0.119	0.28	3.2	0.24	0.10	0.34	0.33	0.	0.	1.01	1.391	-2.	0	70
20111	STIG1S	RESIDUA	2.	5.77	0.228	0.28	6.1	0.46	0.19	0.39	0.87	0.	-0.45	1.46	2.001	-4.	0	69
20111	DEADV3	RESIDUA	2.	1.00	0.201	0.28	4.4	0.33	0.14	0.38	0.30	0.	0.	1.14	1.573	-3.	0	74
20111	DEADV3	RESIDUA	2.	4.04	0.355	0.28	7.1	0.52	0.22	0.40	0.55	0.	-0.29	1.41	1.935	-5.	0	80
20111	DEHTPM	RESIDUA	2.	1.00	0.244	0.28	4.3	0.32	0.14	0.40	0.28	0.	0.	1.14	1.563	-3.	0	74
20111	DEHTPM	RESIDUA	2.	3.01	0.397	0.28	6.0	0.44	0.19	0.38	0.42	0.	-0.19	1.24	1.704	-4.	0	88
20111	DESOA3	DISTILL	2.	1.00	0.188	0.28	3.3	0.25	0.10	0.35	0.37	0.	0.	1.08	1.478	-2.	0	66
20111	DESOA3	DISTILL	2.	4.13	0.334	0.28	7.2	0.53	0.23	0.40	0.71	0.	-0.29	1.57	2.159	-5.	0	70
20111	DESOA3	RESIDUA	2.	1.00	0.188	0.28	3.3	0.25	0.10	0.35	0.30	0.	0.	1.01	1.384	-2.	0	73
20111	DESOA3	RESIDUA	2.	4.13	0.334	0.28	7.2	0.53	0.23	0.40	0.58	0.	-0.29	1.44	1.980	-5.	0	78
20111	GTSOAD	DISTILL	2.	1.00	0.219	0.28	2.9	0.21	0.09	0.32	0.36	0.	0.	0.98	1.342	-1.	0	67
20111	GTSOAD	DISTILL	2.	2.22	0.321	0.28	3.2	0.24	0.10	0.24	0.47	0.	-0.12	0.93	1.280	-1.	0	77
20111	GTRA08	DISTILL	2.	1.00	0.212	0.28	3.5	0.26	0.11	0.33	0.36	0.	0.	1.07	1.467	-2.	0	68
20111	GTRA08	DISTILL	2.	3.44	0.358	0.28	5.2	0.39	0.16	0.30	0.60	0.	-0.23	1.22	1.682	-3.	0	73

ECONOMIC SENSITIVITY REPORT FOR SELECTED PROCESS-ECS MATCHES

SENSITIVITY OF CAPITAL COST — PERCENT OF ORIGINAL COST 100

**********LEVELIZED ANNUAL ENERGY COSTS($ MILLIONS)**********

ENERGY CONV SYSTEM		SITE-FUEL	POWER REQD MW	POWER GEN/ REQD	FESRPOWER /HEAT RATIO	CAPITAL COST *10**6	CAPITAL + INSNC	TAXES	OANDM	FUEL	PURCHD ELEC	REVNUE	TOTAL	NORML	PRESNT WORTH 15%	ROI %	GROSS LEV LOR	
20111	GTRA12	DISTILL	2.	3.41	0.362	0.28	5.1	0.38	0.16	0.30	0.59	0.	-0.23	1.21	1.660	-3.	0	74
20111	GTRA16	DISTILL	2.	1.00	0.215	0.28	3.5	0.26	0.11	0.33	0.36	0.	0.	1.07	1.468	-2.	0	68
20111	GTRA16	DISTILL	2.	3.22	0.356	0.28	5.2	0.39	0.16	0.30	0.57	0.	-0.21	1.22	1.673	-3.	0	74
20111	GTR208	DISTILL	2.	1.00	0.213	0.28	3.3	0.24	0.10	0.33	0.36	0.	0.	1.03	1.422	-2.	0	68
20111	GTR208	DISTILL	2.	2.71	0.335	0.28	4.2	0.31	0.13	0.27	0.52	0.	-0.16	1.08	1.484	-2.	0	74
20111	GTR212	DISTILL	2.	1.00	0.211	0.28	3.4	0.25	0.11	0.33	0.36	0.	0.	1.05	1.438	-2.	0	68
20111	GTR212	DISTILL	2.	2.91	0.340	0.28	4.5	0.34	0.14	0.28	0.55	0.	-0.18	1.13	1.550	-3.	0	74
20111	GTR216	DISTILL	2.	1.00	0.215	0.28	3.4	0.25	0.11	0.33	0.36	0.	0.	1.05	1.441	-2.	0	68
20111	GTR216	DISTILL	2.	2.98	0.349	0.28	4.7	0.35	0.15	0.29	0.55	0.	-0.19	1.15	1.575	-3.	0	74
20111	GTRW08	DISTILL	2.	1.00	0.177	0.28	3.6	0.27	0.11	0.34	0.36	0.	0.	1.10	1.508	-2.	0	67
20111	GTRW08	DISTILL	2.	4.14	0.314	0.28	5.9	0.44	0.19	0.34	0.73	0.	-0.30	1.40	1.919	-4.	0	69
20111	GTRW12	DISTILL	2.	1.00	0.186	0.28	3.6	0.27	0.11	0.34	0.37	0.	0.	1.09	1.500	-2.	0	67
20111	GTRW12	DISTILL	2.	4.27	0.334	0.28	6.0	0.45	0.19	0.34	0.73	0.	-0.31	1.39	1.913	-4.	0	70
20111	GTRW16	DISTILL	2.	1.00	0.188	0.28	3.7	0.27	0.12	0.34	0.37	0.	0.	1.10	1.515	-2.	0	68
20111	GTRW16	DISTILL	2.	4.01	0.331	0.28	6.0	0.45	0.19	0.34	0.70	0.	-0.28	1.39	1.905	-4.	0	70
20111	GTR308	DISTILL	2.	1.00	0.172	0.28	3.3	0.25	0.10	0.33	0.38	0.	0.	1.07	1.464	-2.	0	66
20111	GTR308	DISTILL	2.	3.11	0.282	0.28	4.6	0.34	0.15	0.29	0.65	0.	-0.20	1.21	1.658	-3.	0	68
20111	GTR312	DISTILL	2.	1.00	0.189	0.28	3.4	0.25	0.11	0.33	0.37	0.	0.	1.07	1.469	-2.	0	67
20111	GTR312	DISTILL	2.	3.57	0.323	0.28	5.1	0.38	0.16	0.31	0.65	0.	-0.24	1.25	1.720	-3.	0	70
20111	GTR316	DISTILL	2.	1.00	0.188	0.28	3.5	0.26	0.11	0.34	0.37	0.	0.	1.08	1.490	-2.	0	67
20111	GTR316	DISTILL	2.	3.52	0.320	0.28	5.3	0.39	0.17	0.31	0.64	0.	-0.24	1.28	1.759	-3.	0	70
20111	FCPADS	DISTILL	2.	1.00	0.190	0.28	3.0	0.22	0.09	0.32	0.37	0.	0.	1.00	1.379	-2.	0	67
20111	FCPADS	DISTILL	2.	4.67	0.348	0.28	6.0	0.44	0.19	0.46	0.76	0.	-0.35	1.50	2.064	-5.	0	67
20111	FCMCDS	DISTILL	2.	1.00	0.184	0.28	3.2	0.24	0.10	0.32	0.37	0.	0.	1.03	1.411	-2.	0	67
20111	FCMCDS	DISTILL	2.	6.41	0.360	0.28	8.8	0.65	0.28	0.59	0.96	0.	-0.51	1.97	2.711	-7.	0	67
20261	ONOCGN	RESIDUA	1.	0.	0.	0.41	1.0	0.07	0.03	0.14	0.10	0.11	0.	0.45	1.000	0.	0	0
20261	STM141	RESIDUA	1.	0.74	0.239	0.41	1.9	0.14	0.06	0.22	0.13	0.03	0.	0.58	1.295	-1.	0	80
20261	STM141	COAL-FG	1.	0.74	0.239	0.41	3.0	0.23	0.10	0.34	0.07	0.03	0.	0.77	1.719	-2.	0	76
20261	STM141	COAL-AF	1.	0.74	0.239	0.41	2.9	0.22	0.09	0.29	0.07	0.03	0.	0.71	1.589	-2.	0	83
20261	STM088	RESIDUA	1.	0.58	0.189	0.41	1.6	0.12	0.05	0.21	0.12	0.04	0.	0.55	1.224	-1.	0	76
20261	STM088	COAL-FG	1.	0.58	0.189	0.41	2.8	0.21	0.09	0.33	0.07	0.04	0.	0.74	1.653	-2.	0	71
20261	STM088	COAL-AF	1.	0.58	0.189	0.41	2.7	0.21	0.09	0.28	0.07	0.04	0.	0.69	1.551	-2.	0	81
20261	PFBSTM	COAL-PF	1.	1.00	0.321	0.41	4.4	0.34	0.14	0.42	0.08	0.	0.	0.98	2.190	-3.	0	74
20261	PFBSTM	COAL-PF	1.	1.07	0.332	0.41	4.2	0.32	0.14	0.34	0.08	0.	-0.00	0.87	1.952	-3.	0	82
20261	TISTMT	RESIDUA	1.	1.00	0.319	0.41	6.2	0.47	0.20	0.40	0.14	0.	0.	1.21	2.718	-5.	0	73
20261	TISTMT	RESIDUA	1.	1.38	0.368	0.41	7.4	0.56	0.24	0.37	0.16	0.	-0.02	1.30	2.908	-6.	0	76
20261	TISTMT	COAL	1.	1.00	0.319	0.41	8.4	0.64	0.27	0.59	0.08	0.	0.	1.57	3.523	-7.	0	73
20261	TISTMT	COAL	1.	1.38	0.368	0.41	9.4	0.71	0.30	0.51	0.09	0.	-0.02	1.59	3.564	-8.	0	76
20261	TIHRSG	RESIDUA	1.	0.51	0.143	0.41	5.8	0.43	0.18	0.25	0.12	0.05	0.	1.04	2.326	-4.	0	78
20261	TIHRSG	COAL	1.	0.51	0.143	0.41	7.5	0.57	0.24	0.37	0.07	0.05	0.	1.30	2.914	-6.	0	77
20261	STIRL	DISTILL	1.	1.00	0.268	0.41	1.6	0.12	0.05	0.25	0.18	0.	0.	0.60	1.352	-1.	0	66
20261	STIRL	DISTILL	1.	1.68	0.332	0.41	1.6	0.12	0.05	0.19	0.23	0.	-0.04	0.54	1.208	-1.	0	75
20261	STIRL	RESIDUA	1.	1.00	0.268	0.41	1.6	0.12	0.05	0.25	0.15	0.	0.	0.57	1.276	-1.	0	72

ECONOMIC SENSITIVITY REPORT FOR SELECTED PROCESS-ECS MATCHES

SENSITIVITY OF CAPITAL COST — PERCENT OF ORIGINAL COST 100

**********LEVELIZED ANNUAL ENERGY COSTS($ MILLIONS)**********

ENERGY CONV SYSTEM	SITE-FUEL	POWER REQD MW	POWER GEN/ REQD	FESRPOWER /HEAT RATIO	CAPITAL COST *10**6	CAPITAL + INSNC	TAXES	OANDM	FUEL	PURCHD ELEC	REVNUE	TOTAL	NORML	PRESNT WORTH 15%	ROI %	[illegible]	[illegible]
20261 STIRL	COAL	1.	1.00	0.266 0.41	3.8	0.26	0.11	0.42	0.09	0.	0.	0.87	1.951	-3.	0	72
20261 STIRL	COAL	1.	1.68	0.332 0.41	3.2	0.23	0.10	0.31	0.11	0.	-0.04	0.71	1.578	-2.	0	97
20261 HEGT85	COAL-AF	1.	1.00	0.247 0.41	7.5	0.57	0.24	0.45	0.09	0.	0.	1.35	3.022	-6.	0	75
20261 HEGT85	COAL-AF	1.	1.96	0.323 0.41	9.8	0.74	0.32	0.39	0.12	0.	-0.06	1.51	3.379	-8.	0	62
20261 HEGT60	COAL-AF	1.	1.00	0.184 0.41	7.3	0.56	0.24	0.45	0.10	0.	0.	1.34	3.007	-6.	0	75
20261 HEGT60	COAL-AF	1.	1.68	0.204 0.41	8.8	0.67	0.28	0.37	0.13	0.	-0.04	1.41	3.149	-7.	0	81
20261 HEGT00	COAL-AF	1.	0.84	0.126 0.41	5.5	0.42	0.18	0.27	0.09	0.02	0.	0.99	2.204	-4.	0	85
20261 FCMCCL	COAL	1.	1.00	0.278 0.41	6.2	0.48	0.21	0.44	0.09	0.	0.	1.22	2.720	-5.	0	75
20261 FCMCCL	COAL	1.	1.57	0.338 0.41	6.8	0.53	0.23	0.35	0.10	0.	-0.04	1.17	2.616	-5.	0	81
20261 FCSTCL	COAL	1.	1.00	0.290 0.41	6.1	0.48	0.20	0.51	0.08	0.	0.	1.27	2.844	-5.	0	73
20261 FCSTCL	COAL	1.	2.78	0.419 0.41	8.8	0.69	0.29	0.48	0.13	0.	-0.11	1.48	3.315	-7.	0	80
20261 IGGTST	COAL	1.	1.00	0.237 0.41	6.6	0.51	0.22	0.56	0.09	0.	0.	1.38	3.090	-6.	0	71
20261 IGGTST	COAL	1.	1.99	0.312 0.41	8.0	0.62	0.26	0.50	0.12	0.	-0.06	1.44	3.230	-7.	0	76
20261 GTSOAR	RESIDUA	1.	1.00	0.253 0.41	2.2	0.16	0.07	0.24	0.15	0.	0.	0.63	1.417	-1.	0	75
20261 GTSOAR	RESIDUA	1.	1.57	0.306 0.41	2.3	0.17	0.07	0.18	0.18	0.	-0.04	0.58	1.294	-1.	0	144
20261 GTAC08	RESIDUA	1.	1.00	0.272 0.41	1.9	0.14	0.06	0.23	0.15	0.	0.	0.57	1.286	-1.	0	80
20261 GTAC08	RESIDUA	1.	1.31	0.307 0.41	1.8	0.13	0.06	0.16	0.17	0.	-0.02	0.50	1.119	-1.	0	900
20261 GTAC12	RESIDUA	1.	1.00	0.277 0.41	1.9	0.14	0.06	0.24	0.15	0.	0.	0.59	1.309	-1.	0	78
20261 GTAC12	RESIDUA	1.	1.59	0.337 0.41	2.0	0.15	0.06	0.17	0.18	0.	-0.04	0.52	1.157	-1.	0	900
20261 GTAC16	RESIDUA	1.	1.00	0.276 0.41	2.0	0.15	0.06	0.24	0.15	0.	0.	0.60	1.337	-1.	0	77
20261 GTAC16	RESIDUA	1.	1.77	0.350 0.41	2.2	0.16	0.07	0.18	0.19	0.	-0.05	0.54	1.216	-1.	0	900
20261 GTWC16	RESIDUA	1.	1.00	0.242 0.41	2.2	0.16	0.07	0.25	0.16	0.	0.	0.64	1.422	-1.	0	74
20261 GTWC16	RESIDUA	1.	1.92	0.315 0.41	2.5	0.19	0.08	0.19	0.21	0.	-0.06	0.61	1.354	-1.	0	107
20261 CC1626	RESIDUA	1.	1.00	0.245 0.41	2.3	0.18	0.08	0.32	0.16	0.	0.	0.72	1.617	-2.	0	68
20261 CC1626	RESIDUA	1.	3.45	0.371 0.41	3.7	0.28	0.12	0.31	0.29	0.	-0.16	0.85	1.897	-3.	0	74
20261 CC1622	RESIDUA	1.	1.00	0.256 0.41	2.2	0.16	0.07	0.31	0.15	0.	0.	0.70	1.563	-1.	0	68
20261 CC1622	RESIDUA	1.	3.11	0.380 0.41	3.2	0.24	0.10	0.30	0.27	0.	-0.13	0.77	1.733	-2.	0	76
20261 CC1222	RESIDUA	1.	1.00	0.258 0.41	2.1	0.16	0.07	0.31	0.15	0.	0.	0.69	1.542	-1.	0	68
20261 CC1222	RESIDUA	1.	3.11	0.383 0.41	3.1	0.23	0.10	0.29	0.27	0.	-0.13	0.75	1.689	-2.	0	76
20261 CC0822	RESIDUA	1.	1.00	0.276 0.41	2.2	0.17	0.07	0.31	0.15	0.	0.	0.70	1.561	-1.	0	69
20261 CC0822	RESIDUA	1.	2.51	0.389 0.41	2.9	0.22	0.09	0.28	0.22	0.	-0.10	0.71	1.596	-2.	0	79
20261 STIG15	RESIDUA	1.	1.00	0.090 0.41	2.4	0.18	0.08	0.28	0.19	0.	0.	0.72	1.608	-2.	0	68
20261 STIG15	RESIDUA	1.	72.13	0.171 0.41	29.4	2.18	0.93	1.38	6.46	0.	-4.52	6.43	14.377	-32.	0	63
20261 STIG10	RESIDUA	1.	1.00	0.129 0.41	2.3	0.17	0.07	0.27	0.18	0.	0.	0.69	1.538	-1.	0	69
20261 STIG10	RESIDUA	1.	6.67	0.218 0.41	5.1	0.38	0.16	0.33	0.69	0.	-0.36	1.15	2.568	-4.	0	67
20261 STIG1S	RESIDUA	1.	1.00	0.146 0.41	2.2	0.16	0.07	0.26	0.18	0.	0.	0.67	1.506	-1.	0	69
20261 STIG1S	RESIDUA	1.	8.91	0.228 0.41	3.6	0.26	0.11	0.26	0.40	0.	-0.19	0.85	1.902	-2.	0	70
20261 DEADV3	RESIDUA	1.	1.00	0.257 0.41	3.1	0.23	0.10	0.29	0.15	0.	0.	0.77	1.722	-2.	0	73
20261 DEADV3	RESIDUA	1.	2.58	0.365 0.41	4.2	0.31	0.13	0.27	0.24	0.	-0.10	0.85	1.892	-3.	0	80
20261 DEHTPM	RESIDUA	1.	1.00	0.299 0.41	3.0	0.22	0.10	0.31	0.14	0.	0.	0.77	1.720	-2.	0	72
20261 DEHTPM	RESIDUA	1.	2.04	0.397 0.41	3.7	0.27	0.12	0.27	0.19	0.	-0.07	0.78	1.744	-2.	0	83
20261 DESOA3	DISTILL	1.	1.00	0.244 0.41	2.0	0.15	0.06	0.27	0.19	0.	0.	0.67	1.504	-1.	0	66
20261 DESOA3	DISTILL	1.	2.60	0.346 0.41	3.2	0.23	0.10	0.24	0.30	0.	-0.10	0.78	1.737	-2.	0	71

ECONOMIC SENSITIVITY REPORT FOR SELECTED PROCESS-ECS MATCHES

SENSITIVITY OF CAPITAL COST · PERCENT OF ORIGINAL COST 100

**********LEVELIZED ANNUAL ENERGY COSTS($ MILLIONS)**********

ENERGY SYSTEM	CONV	SITE-FUEL	POWER REQD MW	POWER GEN/ REQD	FESR /HEAT RATIO	POWER CAPITAL COST *10**6	CAPITAL + INSNC	TAXES	OANDM	FUEL	PURCHD ELEC	REVNUE	TOTAL	NORML	PRESNT WORTH 15%	ROI %	GROSS PAY BACK
20261	DESOA3	RESIDUA	1.	2.60	0.346	0.41	3.2	0.23	0.10	0.24	0.25	0.	-0.10	0.72	1.612	-2.	0	81
20261	GTSOAD	DISTILL	1.	1.00	0.269	0.41	1.8	0.14	0.06	0.23	0.18	0.	0.	0.61	1.367	-1.	0	68
20261	GTSOAD	DISTILL	1.	1.51	0.321	0.41	1.8	0.14	0.06	0.17	0.22	0.	-0.03	0.54	1.215	-1.	0	89
20261	GTRA08	DISTILL	1.	1.00	0.260	0.41	2.4	0.18	0.08	0.26	0.19	0.	0.	0.69	1.554	-1.	0	69
20261	GTRA08	DISTILL	1.	2.33	0.358	0.41	3.1	0.23	0.10	0.21	0.27	0.	-0.08	0.72	1.609	-2.	0	76
20261	GTRA12	DISTILL	1.	1.00	0.263	0.41	2.3	0.17	0.07	0.25	0.19	0.	0.	0.68	1.525	-1.	0	69
20261	GTRA12	DISTILL	1.	2.31	0.362	0.41	3.0	0.22	0.09	0.20	0.27	0.	-0.07	0.70	1.573	-2.	0	76
20261	GTRA16	DISTILL	1.	1.00	0.263	0.41	2.4	0.18	0.08	0.25	0.19	0.	0.	0.69	1.547	-1.	0	69
20261	GTRA16	DISTILL	1.	2.18	0.356	0.41	3.0	0.22	0.09	0.20	0.26	0.	-0.08	0.71	1.585	-2.	0	76
20261	GTR208	DISTILL	1.	1.00	0.262	0.41	2.2	0.16	0.07	0.25	0.19	0.	0.	0.66	1.483	-1.	0	69
20261	GTR208	DISTILL	1.	1.84	0.335	0.41	2.4	0.18	0.08	0.19	0.24	0.	-0.05	0.63	1.413	-1.	0	78
20261	GTR212	DISTILL	1.	1.00	0.259	0.41	2.2	0.17	0.07	0.25	0.19	0.	0.	0.67	1.506	-1.	0	69
20261	GTR212	DISTILL	1.	1.96	0.340	0.41	2.6	0.19	0.08	0.19	0.25	0.	-0.06	0.66	1.474	-1.	0	77
20261	GTR216	DISTILL	1.	1.00	0.264	0.41	2.3	0.17	0.07	0.25	0.19	0.	0.	0.68	1.511	-1.	0	69
20261	GTR216	DISTILL	1.	2.02	0.349	0.41	2.7	0.20	0.09	0.20	0.25	0.	-0.06	0.67	1.492	-2.	0	77
20261	GTRW08	DISTILL	1.	1.00	0.217	0.41	2.5	0.18	0.08	0.26	0.20	0.	0.	0.72	1.608	-2.	0	68
20261	GTRW08	DISTILL	1.	2.81	0.314	0.41	3.5	0.26	0.11	0.23	0.34	0.	-0.11	0.82	1.826	-2.	0	71
20261	GTRW12	DISTILL	1.	1.00	0.229	0.41	2.5	0.18	0.08	0.26	0.19	0.	0.	0.71	1.599	-2.	0	68
20261	GTRW12	DISTILL	1.	2.90	0.334	0.41	3.5	0.26	0.11	0.23	0.33	0.	-0.12	0.82	1.825	-2.	0	71
20261	GTRW16	DISTILL	1.	1.00	0.230	0.41	2.5	0.19	0.08	0.26	0.19	0.	0.	0.72	1.617	-2.	0	68
20261	GTRW16	DISTILL	1.	2.72	0.331	0.41	3.6	0.26	0.11	0.23	0.32	0.	-0.11	0.81	1.820	-2.	0	72
20261	GTR308	DISTILL	1.	1.00	0.211	0.41	2.2	0.17	0.07	0.25	0.20	0.	0.	0.69	1.539	-1.	0	67
20261	GTR308	DISTILL	1.	2.11	0.282	0.41	2.7	0.20	0.08	0.20	0.29	0.	-0.07	0.70	1.565	-2.	0	71
20261	GTR312	DISTILL	1.	1.00	0.232	0.41	2.3	0.17	0.07	0.26	0.19	0.	0.	0.70	1.556	-1.	0	68
20261	GTR312	DISTILL	1.	2.43	0.323	0.41	3.0	0.22	0.09	0.21	0.30	0.	-0.09	0.73	1.640	-2.	0	72
20261	GTR316	DISTILL	1.	1.00	0.230	0.41	2.4	0.18	0.08	0.26	0.19	0.	0.	0.71	1.581	-2.	0	68
202[illegible]	GTR316	DISTILL	1.	2.39	0.320	0.41	3.1	0.23	0.10	0.21	0.30	0.	-0.09	0.75	1.678	-2.	0	72
202[illegible]	[illegible]PADS	DISTILL	1.	1.00	0.250	0.41	1.8	0.14	0.06	0.23	0.19	0.	0.	0.61	1.367	-1.	0	68
202[illegible]	PADS	DISTILL	1.	2.86	0.364	0.41	2.7	0.20	0.09	0.23	0.31	0.	-0.12	0.71	1.583	-2.	0	71
202[illegible]	[illegible]MCDS	DISTILL	1.	1.00	0.226	0.41	2.0	0.15	0.06	0.23	0.19	0.	0.	0.64	1.432	-1.	0	68
2026[illegible]	[illegible]MCDS	DISTILL	1.	4.35	0.360	0.41	4.2	0.31	0.13	0.31	0.44	0.	-0.21	0.98	2.201	-3.	0	68
20461	ONOCGN	RESIDUA	29.	0.	0.	0.15	22.4	1.66	0.71	1.00	18.62	7.24	0.	29.22	1.000	0.	0	0
20461	STM141	RESIDUA	29.	1.00	0.176	0.15	29.6	2.24	0.95	1.57	21.36	0.	0.	26.12	0.894	6.	27	4
20461	STM141	RESIDUA	29.	2.04	0.277	0.15	28.1	2.13	0.91	1.29	24.21	0.	-4.51	24.03	0.822	13.	47	3
20461	STM141	COAL-FG	29.	1.00	0.176	0.15	51.9	3.94	1.67	3.04	12.40	0.	0.	21.05	0.720	11.	20	5
20461	STM141	COAL-FG	29.	2.04	0.277	0.15	59.0	4.48	1.90	2.90	14.06	0.	-4.51	18.83	0.645	15.	21	5
20461	STM141	COAL-AF	29.	1.00	0.176	0.15	43.4	3.30	1.40	2.83	12.40	0.	0.	19.93	0.682	19.	28	4
20461	STM141	COAL-AF	29.	2.04	0.277	0.15	41.8	3.17	1.35	2.57	14.06	0.	-4.51	16.64	0.570	30.	37	3
20461	STM088	RESIDUA	29.	1.00	0.176	0.15	24.9	1.89	0.80	1.44	21.36	0.	0.	25.50	0.873	10.	64	2
20461	STM088	RESIDUA	29.	1.61	0.241	0.15	25.8	1.96	0.83	1.23	23.03	0.	-2.64	24.41	0.835	13.	64	2
20461	STM088	COAL-FG	29.	1.00	0.176	0.15	51.1	3.88	1.65	2.98	12.40	0.	0.	20.91	0.716	12.	21	5
20461	STM088	COAL-FG	29.	1.61	0.241	0.15	55.5	4.21	1.79	2.73	15.37	0.	-2.64	19.46	0.666	14.	21	5
20461	STM088	COAL-AF	29.	1.00	0.176	0.15	42.0	3.19	1.36	2.80	12.40	0.	0.	19.75	0.676	20.	30	4

ECONOMIC SENSITIVITY REPORT FOR SELECTED PROCESS-ECS MATCHES

SENSITIVITY OF CAPITAL COST — PERCENT OF ORIGINAL COST 100

**********LEVELIZED ANNUAL ENERGY COSTS($ MILLIONS)**********

ENERGY SYSTEM	CONV	SITE-FUEL	POWER REQD MW	POWER GEN/ REQD	FESRPOWER /HEAT RATIO	CAPITAL COST *10**6	CAPITAL + INSNC	TAXES	OANDM	FUEL	PURCHD ELEC	REVNUE	TOTAL	NORML	PRESNT WORTH 15%	ROI %	GROSS PAY BACK
20461	PFBSTM	COAL-PF	29.	1.00	0.174	0.15	52.3	3.97	1.69	3.40	12.43	0.	0.	21.49	0.735	9.	20	5
20461	PFBSTM	COAL-PF	29.	2.96	0.332	0.15	58.6	4.44	1.89	4.23	15.59	0.	-8.49	17.66	0.604	18.	22	5
20461	TISTMT	RESIDUA	29.	1.00	0.173	0.15	69.3	5.26	2.24	2.56	21.43	0.	0.	31.48	1.077	-30.	0	28
20461	TISTMT	RESIDUA	29.	3.80	0.368	0.15	150.9	11.45	4.87	4.45	29.30	0.	-12.18	37.90	1.297	-89.	0	999
20461	TISTMT	COAL	29.	1.00	0.173	0.15	95.5	7.24	3.08	4.09	12.44	0.	0.	26.85	0.919	-28.	7	11
20461	TISTMT	COAL	29.	3.80	0.368	0.15	189.7	14.40	6.12	6.28	17.01	0.	-12.18	31.63	1.083	-88.	4	16
20461	TIHRSG	RESIDUA	29.	1.00	0.152	0.15	97.4	7.21	3.07	3.14	21.96	0.	0.	35.38	1.211	-54.	0	999
20461	TIHRSG	RESIDUA	29.	1.41	0.192	0.15	119.8	8.87	3.77	3.46	23.32	0.	-1.76	37.66	1.289	-72.	0	318
20461	TIHRSG	COAL	29.	1.00	0.152	0.15	132.0	10.01	4.26	4.89	12.75	0.	0.	31.91	1.092	-61.	3	18
20461	TIHRSG	COAL	29.	1.41	0.192	0.15	152.7	11.59	4.93	5.05	13.54	0.	-1.76	33.34	1.141	-76.	2	21
20461	STIRL	DISTILL	29.	1.00	0.129	0.15	38.3	2.84	1.21	1.74	27.66	0.	0.	33.45	1.145	-21.	0	61
20461	STIRL	DISTILL	29.	4.14	0.284	0.15	75.9	5.62	2.39	2.54	42.89	0.	-13.65	39.80	1.362	-56.	0	63
20461	STIRL	RESIDUA	29.	1.00	0.129	0.15	38.4	2.84	1.21	1.74	22.57	0.	0.	28.36	0.971	-5.	9	9
20461	STIRL	RESIDUA	29.	4.14	0.284	0.15	76.0	5.63	2.39	2.55	34.99	0.	-13.65	31.91	1.092	-34.	0	999
20461	STIRL	COAL	29.	1.00	0.129	0.15	64.4	4.77	2.03	3.30	13.10	0.	0.	23.20	0.794	-1.	14	7
20461	STIRL	COAL	29.	4.14	0.284	0.15	134.1	9.94	4.22	5.05	20.32	0.	-13.65	25.87	0.885	-42.	7	11
20461	HEGT85	COAL-AF	29.	1.00	0.091	0.15	81.5	6.19	2.63	3.61	13.68	0.	0.	26.11	0.894	-19.	9	10
20461	HEGT85	COAL-AF	29.	8.00	0.244	0.15	233.6	17.72	7.54	8.43	33.80	0.	-30.42	37.06	1.268	-126.	1	23
20461	HEGT60	COAL-AF	29.	1.00	0.089	0.15	79.3	6.02	2.56	3.58	13.70	0.	0.	25.86	0.885	-17.	9	9
20461	HEGT60	COAL-AF	29.	4.62	0.204	0.15	156.6	11.89	5.05	5.89	24.18	0.	-15.72	31.28	1.071	-71.	4	16
20461	HEGT00	COAL-AF	29.	1.00	0.082	0.15	76.3	5.79	2.46	3.55	13.81	0.	0.	25.61	0.876	-15.	10	9
20461	HEGT00	COAL-AF	29.	2.30	0.138	0.15	99.5	7.55	3.21	4.03	17.72	0.	-5.65	26.87	0.919	-30.	7	11
20461	FCMCCL	COAL	29.	1.00	0.151	0.15	75.2	5.84	2.48	3.85	12.77	0.	0.	24.96	0.854	-13.	10	9
20461	FCMCCL	COAL	29.	4.33	0.338	0.15	125.4	9.75	4.15	6.56	19.32	0.	-14.47	25.30	0.866	-30.	7	10
20161	FCSTCL	COAL	29.	1.00	0.157	0.15	72.3	5.62	2.39	3.74	12.68	0.	0.	24.42	0.836	-10.	11	8
20461	FCSTCL	COAL	29.	7.65	0.419	0.15	163.2	12.69	5.40	8.55	25.10	0.	-28.88	22.86	0.782	-50.	8	10
20461	IGGTST	COAL	29.	1.00	0.129	0.15	69.0	5.36	2.28	3.31	13.11	0.	0.	24.06	0.823	-7.	12	8
20461	IGGTST	COAL	29.	5.48	0.312	0.15	128.9	10.02	4.26	4.25	23.41	0.	-19.47	22.47	0.769	-32.	9	9
20461	GTSOAR	RESIDUA	29.	1.00	0.137	0.15	32.2	2.38	1.01	1.52	22.36	0.	0.	27.28	0.934	1.	17	6
20461	GTSOAR	RESIDUA	29.	4.32	0.306	0.15	51.5	3.81	1.62	1.82	34.78	0.	-14.42	27.62	0.945	-9.	9	9
20461	GTAC08	RESIDUA	29.	1.00	0.148	0.15	30.4	2.25	0.96	1.48	22.09	0.	0.	26.78	0.916	4.	22	5
20461	GTAC08	RESIDUA	29.	3.60	0.307	0.15	39.2	2.90	1.23	1.50	31.11	0.	-11.28	25.46	0.871	4.	18	5
20461	GTAC12	RESIDUA	29.	1.00	0.150	0.15	31.0	2.30	0.98	1.49	22.01	0.	0.	26.78	0.916	4.	21	5
20461	GTAC12	RESIDUA	29.	4.37	0.337	0.15	46.2	3.42	1.46	1.68	33.48	0.	-14.66	25.39	0.869	1.	15	6
20461	GTAC16	RESIDUA	29.	1.00	0.150	0.15	31.8	2.36	1.00	1.50	22.03	0.	0.	26.89	0.920	3.	20	5
20461	GTAC16	RESIDUA	29.	4.88	0.350	0.15	55.7	4.13	1.75	1.93	35.25	0.	-16.84	26.22	0.897	-6.	11	8
20461	GTWC16	RESIDUA	29.	1.00	0.131	0.15	31.7	2.35	1.00	1.51	22.51	0.	0.	27.37	0.937	1.	17	6
20461	GTWC16	RESIDUA	29.	5.29	0.315	0.15	49.6	3.67	1.56	1.80	39.23	0.	-18.65	27.62	0.945	-8.	9	9
20461	CC1626	RESIDUA	29.	1.00	0.133	0.15	32.0	2.43	1.03	1.61	22.47	0.	0.	27.54	0.942	0.	15	6
20461	CC1626	RESIDUA	29.	9.50	0.371	0.15	76.3	5.94	2.53	2.76	55.28	0.	-36.93	29.57	1.012	-28.	4	14
20461	CC1622	RESIDUA	29.	1.00	0.139	0.15	31.9	2.42	1.03	1.60	22.31	0.	0.	27.37	0.937	1.	16	6
20461	CC1622	RESIDUA	29.	8.57	0.380	0.15	79.2	6.01	2.56	2.71	50.31	0.	-32.89	28.70	0.982	-26.	6	12
20461	CC1222	RESIDUA	29.	1.00	0.140	0.15	31.3	2.38	1.01	1.59	22.28	0.	0.	27.26	0.933	2.	17	6

ECONOMIC SENSITIVITY REPORT FOR SELECTED PROCESS-ECS MATCHES

SENSITIVITY OF CAPITAL COST — PERCENT OF ORIGINAL COST 100

**********LEVELIZED ANNUAL ENERGY COSTS($ MILLIONS)**********

ENERGY SYSTEM	CONV	SITE-FUEL	POWER REQD MW	POWER GEN/ REQD	FESRPOWER /HEAT RATIO	CAPITAL COST *10**6	CAPITAL + INSNC	TAXES	O&M	FUEL	PURCHD ELEC	REVNUE	TOTAL	NORML	PRESNT WORTH 15%	ROI %	GROSS PAY BACK
20461	CC0822	RESIDUA	29.	1.00	0.150	0.15	31.2	2.36	1.01	1.59	22.03	0.	0.	26.99	0.924	2.	19	5
20461	CC0822	RESIDUA	29.	6.92	0.389	0.15	61.2	4.65	1.98	2.26	42.25	0.	-25.72	25.41	0.870	-7.	11	8
20461	STIG15	RESIDUA	29.	1.00	0.049	0.15	35.4	2.62	1.11	1.79	24.65	0.	0.	30.18	1.033	-9.	0	999
20461	STIG15	RESIDUA	29.	198.62	0.171	0.15	1371.1	101.56	43.18	73.68	1217.15	0.	-858.48	577.08	19.740	-2354.	0	59
20461	STIG10	RESIDUA	29.	1.00	0.070	0.15	34.4	2.55	1.08	1.71	24.10	0.	0.	29.44	1.008	-6.	3	17
20461	STIG10	RESIDUA	29.	18.37	0.210	0.15	145.3	10.76	4.58	6.80	119.42	0.	-75.44	66.11	2.263	-173.	0	60
20461	STIG1S	RESIDUA	29.	1.00	0.079	0.15	30.7	2.28	0.97	1.63	23.85	0.	0.	28.72	0.983	-2.	9	9
20461	STIG1S	RESIDUA	29.	10.78	0.228	0.15	91.2	6.76	2.87	4.45	75.06	0.	-42.47	46.67	1.597	-87.	0	61
20461	DEADV3	RESIDUA	29.	1.00	0.111	0.15	41.0	3.04	1.29	1.79	23.03	0.	0.	29.15	0.998	-9.	5	13
20461	DEADV3	RESIDUA	29.	9.90	0.314	0.15	182.6	13.52	5.75	5.36	62.28	0.	-38.65	48.26	1.652	-135.	0	81
20461	DEHTPM	RESIDUA	29.	1.00	0.162	0.15	40.3	2.98	1.27	1.82	21.70	0.	0.	27.78	0.951	-4.	10	8
20461	DEHTPM	RESIDUA	29.	5.63	0.397	0.15	107.7	7.98	3.39	3.45	36.00	0.	-20.10	30.71	1.051	-45.	3	16
20461	DESOA3	DISTILL	29.	1.00	0.097	0.15	45.7	3.38	1.44	1.91	28.69	0.	0.	35.43	1.212	-30.	0	61
20461	DESOA3	DISTILL	29.	11.12	0.279	0.15	254.2	18.83	8.00	7.19	88.14	0.	-43.95	78.21	2.677	-262.	0	63
20461	DESOA3	RESIDUA	29.	1.00	0.097	0.15	45.7	3.38	1.44	1.91	23.41	0.	0.	30.14	1.032	-14.	1	24
20461	DESOA3	RESIDUA	29.	11.12	0.279	0.15	254.2	18.83	8.00	7.19	71.91	0.	-43.95	61.97	2.121	-211.	0	71
20461	GTSOAD	DISTILL	29.	1.00	0.146	0.15	29.8	2.21	0.94	1.46	27.13	0.	0.	31.73	1.086	-11.	0	60
20461	GTSOAD	DISTILL	29.	4.16	0.321	0.15	40.1	2.97	1.26	1.53	40.73	0.	-13.71	32.79	1.122	-19.	0	63
20461	GTRA08	DISTILL	29.	1.00	0.141	0.15	33.1	2.45	1.04	1.53	27.28	0.	0.	32.30	1.106	-15.	0	60
20461	GTRA08	DISTILL	29.	6.42	0.358	0.15	71.0	5.26	2.24	2.35	51.49	0.	-23.56	37.78	1.293	-50.	0	65
20461	GTRA12	DISTILL	29.	1.00	0.143	0.15	33.3	2.46	1.05	1.54	27.23	0.	0.	32.28	1.105	-15.	0	61
20461	GTRA12	DISTILL	29.	6.37	0.362	0.15	70.3	5.21	2.21	2.33	50.92	0.	-23.32	37.34	1.278	-48.	0	66
20461	GTRA16	DISTILL	29.	1.00	0.143	0.15	34.0	2.52	1.07	1.56	27.22	0.	0.	32.38	1.108	-15.	0	61
20461	GTRA16	DISTILL	29.	6.01	0.356	0.15	71.3	5.28	2.25	2.35	49.31	0.	-21.78	37.41	1.280	-49.	0	66
20461	GTR208	DISTILL	29.	1.00	0.142	0.15	32.0	2.37	1.01	1.51	27.25	0.	0.	32.15	1.100	-14.	0	60
20461	GTR208	DISTILL	29.	5.06	0.335	0.15	56.1	4.16	1.77	1.95	45.27	0.	-17.65	35.51	1.215	-35.	0	64
20461	GTR212	DISTILL	29.	1.00	0.141	0.15	32.6	2.41	1.03	1.52	27.30	0.	0.	32.26	1.104	-14.	0	60
20461	GTR212	DISTILL	29.	5.44	0.340	0.15	60.7	4.50	1.91	2.07	47.17	0.	-19.28	36.37	1.245	-40.	0	61
20461	GTR216	DISTILL	29.	1.00	0.143	0.15	33.2	2.46	1.05	1.54	27.21	0.	0.	32.26	1.104	-15.	0	61
20461	GTR216	DISTILL	29.	5.56	0.349	0.15	65.0	4.81	2.05	2.18	47.23	0.	-19.81	36.46	1.248	-43.	0	62
20461	GTRW08	DISTILL	29.	1.00	0.118	0.15	32.9	2.44	1.04	1.53	28.02	0.	0.	33.03	1.130	-17.	0	59
20461	GTRW08	DISTILL	29.	7.74	0.314	0.15	73.0	5.41	2.30	2.44	63.08	0.	-29.26	43.96	1.505	-70.	0	60
20461	GTRW12	DISTILL	29.	1.00	0.124	0.15	32.9	2.44	1.04	1.53	27.82	0.	0.	32.83	1.123	-16.	0	59
20461	GTRW12	DISTILL	29.	7.98	0.334	0.15	74.3	5.50	2.34	2.47	62.76	0.	-30.33	42.75	1.463	-67.	0	61
20461	GTRW16	DISTILL	29.	1.00	0.125	0.15	33.4	2.48	1.05	1.55	27.79	0.	0.	32.87	1.125	-17.	0	59
20461	GTRW16	DISTILL	29.	7.50	0.331	0.15	74.2	5.50	2.34	2.46	60.11	0.	-28.23	42.18	1.444	-65.	0	61
20461	GTR308	DISTILL	29.	1.00	0.114	0.15	32.1	2.38	1.01	1.52	28.13	0.	0.	33.04	1.131	-17.	0	59
20461	GTR308	DISTILL	29.	5.82	0.282	0.15	59.5	4.41	1.87	2.07	53.73	0.	-20.94	41.14	1.408	-55.	0	59
20461	GTR312	DISTILL	29.	1.00	0.126	0.15	32.1	2.38	1.01	1.51	27.77	0.	0.	32.67	1.118	-15.	0	59
20461	GTR312	DISTILL	29.	6.68	0.323	0.15	63.9	4.73	2.01	2.19	55.90	0.	-24.68	40.16	1.374	-54.	0	61
20461	GTR316	DISTILL	29.	1.00	0.125	0.15	32.7	2.42	1.03	1.53	27.79	0.	0.	32.78	1.122	-16.	0	59
20461	GTR316	DISTILL	29.	6.58	0.320	0.15	65.9	4.88	2.08	2.24	55.58	0.	-24.25	40.52	1.387	-56.	0	61
20461	FCPADS	DISTILL	29.	1.00	0.092	0.15	42.7	3.16	1.34	3.73	28.84	0.	0.	37.08	1.269	-34.	0	60

ECONOMIC SENSITIVITY REPORT FOR SELECTED PROCESS-ECS MATCHES

SENSITIVITY OF CAPITAL COST — PERCENT OF ORIGINAL COST 100

**********LEVELIZED ANNUAL ENERGY COSTS($ MILLIONS)**********

ENERGY SYSTEM	CONV	SITE-FUEL	POWER REQD MW	POWER DEN/ REQD	FESRPOWER /HEAT RATIO	CAPITAL COST *10**6	CAPITAL + INSNC	TAXES	O&MDM	FUEL	PURCHD ELEC	REVNUE	TOTAL	NORML	PRESNT WORTH 15%	ROI %	GROSS PAY BACK
20461	FCMCDS	DISTILL	29.	1.00	0.123 0.15	43.9	3.25	1.38	3.59	27.86	0.	0.	36.08	1.235	-32.	0	61
20461	FCMCDS	DISTILL	29.	11.98	0.360 0.15	210.2	15.57	6.62	28.67	83.24	0.	-47.71	86.40	2.957	-270.	0	62
20631	ONOCGN	RESIDUA	5.	0.	0. 0.05	12.3	0.91	0.39	0.64	2.83	0.51	0.	5.27	1.000	0.	0	0
20631	STM141	RESIDUA	5.	1.00	0.095 0.05	11.7	0.89	0.38	0.89	3.02	0.	0.	5.17	0.981	0.	999	0
20631	STM141	RESIDUA	5.	5.64	0.315 0.05	16.3	1.23	0.52	0.87	3.91	0.	-1.41	5.13	0.973	-2.	7	11
20631	STM141	COAL-FG	5.	1.00	0.095 0.05	26.6	2.02	0.86	1.67	1.75	0.	0.	6.30	1.194	-10.	0	999
20631	STM141	COAL-FG	5.	5.64	0.315 0.05	29.2	2.22	0.94	1.53	2.27	0.	-1.41	5.55	1.053	-9.	4	16
20631	STM141	COAL-AF	5.	1.00	0.095 0.05	25.1	1.90	0.81	1.57	1.75	0.	0.	6.04	1.145	-9.	0	999
20631	STM141	COAL-AF	5.	5.64	0.315 0.05	21.3	1.61	0.69	1.27	2.27	0.	-1.41	4.43	0.839	-2.	11	8
20631	STM088	RESIDUA	5.	1.00	0.095 0.05	11.5	0.87	0.37	0.89	3.02	0.	0.	5.16	0.978	1.	999	0
20631	STM088	RESIDUA	5.	4.46	0.278 0.05	14.7	1.12	0.48	0.83	3.68	0.	-1.05	5.06	0.959	-1.	10	9
20631	STM088	COAL-FG	5.	1.00	0.095 0.05	26.6	2.02	0.86	1.68	1.75	0.	0.	6.31	1.197	-10.	0	999
20631	STM088	COAL-FG	5.	4.46	0.278 0.05	27.2	2.06	0.88	1.46	2.14	0.	-1.05	5.49	1.041	-8.	4	15
20631	STM088	COAL-AF	5.	1.00	0.095 0.05	25.0	1.90	0.81	1.58	1.75	0.	0.	6.04	1.145	-9.	0	999
20631	STM088	COAL-AF	5.	4.46	0.278 0.05	20.3	1.54	0.65	1.23	2.14	0.	-1.05	4.51	0.855	-2.	11	8
20631	PFBSTM	COAL-PF	5.	1.00	0.095 0.05	26.3	2.00	0.85	1.61	1.76	0.	0.	6.22	1.179	-10.	0	999
20631	PFBSTM	COAL-PF	5.	8.18	0.369 0.05	34.8	2.64	1.12	1.86	2.57	0.	-2.18	6.00	1.138	-13.	2	21
20631	TISTMT	RESIDUA	5.	1.00	0.094 0.05	22.2	1.69	0.72	1.13	3.02	0.	0.	6.56	1.244	-9.	0	83
20631	TISTMT	RESIDUA	5.	8.26	0.368 0.05	72.4	5.49	2.33	2.48	4.45	0.	-2.21	12.56	2.381	-52.	0	82
20631	TISTMT	COAL	5.	1.00	0.094 0.05	36.1	2.74	1.16	1.87	1.76	0.	0.	7.53	1.428	-19.	0	295
20631	TISTMT	COAL	5.	10.53	0.403 0.05	105.9	8.03	3.42	3.50	2.84	0.	-2.90	14.90	2.826	-75.	0	112
20631	TIHRSG	RESIDUA	5.	1.00	0.083 0.05	29.5	2.19	0.93	1.26	3.06	0.	0.	7.44	1.412	-15.	0	78
20631	TIHRSG	RESIDUA	5.	3.05	0.192 0.05	57.8	4.28	1.82	1.97	3.54	0.	-0.62	10.99	2.084	-39.	0	77
20631	TIHRSG	COAL	5.	1.00	0.083 0.05	46.3	3.52	1.50	2.09	1.78	0.	0.	8.88	1.684	-28.	0	113
20631	TIHRSG	COAL	5.	3.89	0.223 0.05	85.1	6.46	2.74	2.79	2.17	0.	-0.88	13.28	2.519	-60.	0	95
20631	STIRL	DISTILL	5.	1.00	0.070 0.05	14.3	1.06	0.45	0.89	3.81	0.	0.	6.20	1.177	-4.	0	59
20631	STIRL	DISTILL	5.	9.00	0.284 0.05	31.4	2.32	0.99	1.44	6.52	0.	-2.43	8.84	1.676	-20.	0	65
20631	STIRL	RESIDUA	5.	1.00	0.070 0.05	14.3	1.06	0.45	0.89	3.10	0.	0.	5.50	1.044	-2.	0	143
20631	STIRL	RESIDUA	5.	9.00	0.284 0.05	31.4	2.33	0.99	1.44	5.32	0.	-2.43	7.64	1.449	-16.	0	81
20631	STIRL	COAL	5.	1.00	0.070 0.05	26.9	2.00	0.85	1.59	1.80	0.	0.	6.24	1.183	-10.	0	999
20631	STIRL	COAL	5.	11.48	0.309 0.05	62.4	4.62	1.97	2.43	3.48	0.	-3.18	9.32	1.768	-36.	0	999
20631	HEGT85	COAL-AF	5.	1.00	0.049 0.05	32.9	2.50	1.06	1.62	1.84	0.	0.	7.02	1.332	-16.	0	999
20631	HEGT85	COAL-AF	5.	22.17	0.258 0.05	133.9	10.16	4.32	4.24	6.10	0.	-6.43	18.39	3.487	-100.	0	98
20631	HEGT60	COAL-AF	5.	1.00	0.048 0.05	32.5	2.46	1.05	1.62	1.84	0.	0.	6.98	1.324	-15.	0	999
20631	HEGT60	COAL-AF	5.	12.79	0.221 0.05	90.0	6.83	2.91	2.98	4.23	0.	-3.58	13.36	2.535	-63.	0	103
20631	HEGT00	COAL-AF	5.	1.00	0.045 0.05	32.0	2.43	1.03	1.63	1.85	0.	0.	6.93	1.315	-15.	0	999
20631	HEGT00	COAL-AF	5.	6.37	0.156 0.05	57.2	4.34	1.84	2.04	2.98	0.	-1.63	9.57	1.814	-35.	0	161
20631	FCMCCL	COAL	5.	1.00	-0.151 0.05	33.4	2.60	1.10	1.69	2.23	0.	0.	7.63	1.447	-18.	0	114
20631	FCMCCL	COAL	5.	12.00	0.280 0.05	70.9	5.51	2.34	2.81	3.74	0.	-3.34	11.07	2.099	-47.	0	167
20631	FCSTCL	COAL	5.	1.00	-0.148 0.05	32.5	2.52	1.07	1.72	2.23	0.	0.	7.54	1.430	-17.	0	114
20631	FCSTCL	COAL	5.	21.18	0.386 0.05	92.1	7.16	3.05	3.67	4.86	0.	-6.13	12.61	2.392	-63.	0	567
20631	IGGTST	COAL	5.	1.00	-0.163 0.05	31.8	2.46	1.04	1.75	2.26	0.	0.	7.51	1.424	-17.	0	107
20631	IGGTST	COAL	5.	15.18	0.262 0.05	71.5	5.56	2.36	2.60	4.54	0.	-4.31	10.74	2.037	-47.	0	376

ECONOMIC SENSITIVITY REPORT FOR SELECTED PROCESS-ECS MATCHES

SENSITIVITY OF CAPITAL COST — PERCENT OF ORIGINAL COST 100

**********LEVELIZED ANNUAL ENERGY COSTS($ MILLIONS)**********

ENERGY SYSTEM	CONV	SITE-FUEL	POWER REQD MW	POWER GEN/ REQD	FESRPOWER /HEAT RATIO	CAPITAL COST *10**6	CAPITAL + INSNC	TAXES	OANDM	FUEL	PURCHD ELEC	REVNUE	TOTAL	NORML	PRESNT WORTH 15%	ROI %	GROSS PAY BACK
20631	GTSOAR	RESIDUA	5.	9.38	0.306 0.05	23.5	1.74	0.74	1.16	5.28	0.	-2.55	6.38	1.210	-9.	0	137
20631	GTAC08	RESIDUA	5.	1.00	0.080 0.05	13.1	0.97	0.41	0.82	3.07	0.	0.	5.28	1.002	-0.	4	16
20631	GTAC08	RESIDUA	5.	7.81	0.307 0.05	19.6	1.45	0.62	1.05	4.73	0.	-2.07	5.78	1.097	-5.	0	999
20631	GTAC12	RESIDUA	5.	1.00	0.082 0.05	13.1	0.97	0.41	0.82	3.07	0.	0.	5.27	0.999	-0.	5	14
20631	GTAC12	RESIDUA	5.	9.50	0.337 0.05	22.3	1.65	0.70	1.13	5.09	0.	-2.58	5.99	1.136	-7.	0	999
20631	GTAC16	RESIDUA	5.	1.00	0.081 0.05	13.2	0.98	0.42	0.82	3.07	0.	0.	5.28	1.002	-1.	4	16
20631	GTAC16	RESIDUA	5.	10.59	0.350 0.05	24.8	1.84	0.78	1.20	5.35	0.	-2.91	6.26	1.186	-9.	0	999
20631	GTWC16	RESIDUA	5.	1.00	0.071 0.05	13.5	1.00	0.43	0.83	3.10	0.	0.	5.36	1.016	-1.	0	999
20631	GTWC16	RESIDUA	5.	11.49	0.315 0.05	24.9	1.85	0.79	1.22	5.96	0.	-3.19	6.62	1.256	-10.	0	101
20631	CC1626	RESIDUA	5.	1.00	0.072 0.05	13.4	1.02	0.43	0.89	3.10	0.	0.	5.44	1.032	-1.	0	248
20631	CC1626	RESIDUA	5.	20.63	0.371 0.05	35.0	2.65	1.13	1.64	8.40	0.	-5.97	7.86	1.490	-19.	0	96
20631	CC1622	RESIDUA	5.	1.00	0.075 0.05	13.1	1.00	0.42	0.89	3.09	0.	0.	5.40	1.023	-1.	0	999
20631	CC1622	RESIDUA	5.	18.61	0.380 0.05	34.6	2.62	1.12	1.61	7.64	0.	-5.35	7.64	1.449	-18.	0	114
20631	CC1222	RESIDUA	5.	1.00	0.076 0.05	13.0	0.99	0.42	0.88	3.08	0.	0.	5.37	1.019	-1.	0	999
20631	CC1222	RESIDUA	5.	18.59	0.383 0.05	32.9	2.50	1.06	1.58	7.59	0.	-5.35	7.38	1.401	-17.	0	135
20631	CC0822	RESIDUA	5.	1.00	0.081 0.05	13.2	1.00	0.43	0.89	3.07	0.	0.	5.38	1.021	-1.	0	999
20631	CC0822	RESIDUA	5.	15.03	0.389 0.05	28.1	2.13	0.91	1.43	6.42	0.	-4.26	6.62	1.256	-12.	0	999
20631	STIG15	RESIDUA	5.	1.00	0.026 0.05	16.3	1.20	0.51	0.91	3.25	0.	0.	5.87	1.114	-4.	0	73
20631	STIG15	RESIDUA	5.	431.31	0.171 0.05	510.6	37.82	16.08	20.00	184.92	0.	-130.78	128.03	24.282	-619.	0	61
20631	STIG10	RESIDUA	5.	1.00	0.038 0.05	13.1	0.97	0.41	0.83	3.21	0.	0.	5.42	1.027	-1.	0	81
20631	STIG10	RESIDUA	5.	39.88	0.218 0.05	56.7	4.20	1.79	2.56	18.14	0.	-11.82	14.87	2.820	-51.	0	63
20631	STIG1S	RESIDUA	5.	1.00	0.043 0.05	13.0	0.96	0.41	0.83	3.19	0.	0.	5.39	1.023	-1.	0	93
20631	STIG1S	RESIDUA	5.	23.40	0.228 0.05	39.1	2.90	1.23	1.90	11.40	0.	-6.81	10.62	2.015	-29.	0	64
20631	DEADV3	RESIDUA	5.	1.00	0.060 0.05	16.3	1.21	0.51	0.92	3.14	0.	0.	5.79	1.097	-4.	0	85
20631	DEADV3	RESIDUA	5.	21.49	0.314 0.05	70.2	5.20	2.21	2.51	9.46	0.	-6.23	13.16	2.495	-52.	0	73
20631	DEHTPM	RESIDUA	5.	1.00	0.088 0.05	16.2	1.20	0.51	0.95	3.04	0.	0.	5.71	1.082	-3.	0	116
20631	DEHTPM	RESIDUA	5.	12.22	0.397 0.05	42.8	3.17	1.35	1.80	5.47	0.	-3.41	8.38	1.590	-24.	0	113
20631	DESOA3	DISTILL	5.	1.00	0.052 0.05	15.5	1.15	0.49	0.91	3.88	0.	0.	6.42	1.218	-5.	0	60
20631	DESOA3	DISTILL	5.	24.14	0.279 0.05	96.0	7.11	3.02	3.19	13.39	0.	-7.03	19.68	3.733	-84.	0	66
20631	DESOA3	RESIDUA	5.	1.00	0.052 0.05	15.5	1.15	0.49	0.91	3.16	0.	0.	5.71	1.063	-3.	0	82
20631	DESOA3	RESIDUA	5.	24.14	0.279 0.05	96.0	7.11	3.02	3.19	10.92	0.	-7.03	17.22	3.265	-77.	0	71
20631	GTSOAD	DISTILL	5.	1.00	0.079 0.05	12.9	0.95	0.41	0.82	3.77	0.	0.	5.94	1.127	-2.	0	57
20631	GTSOAD	DISTILL	5.	9.02	0.321 0.05	20.0	1.48	0.63	1.07	6.19	0.	-2.44	6.93	1.314	-9.	0	63
20631	GTRA08	DISTILL	5.	1.00	0.077 0.05	13.8	1.02	0.44	0.83	3.78	0.	0.	6.07	1.151	-3.	0	59
20631	GTRA08	DISTILL	5.	13.95	0.358 0.05	32.0	2.37	1.01	1.40	7.82	0.	-3.94	8.67	1.645	-20.	0	66
20631	GTRA12	DISTILL	5.	1.00	0.077 0.05	13.8	1.02	0.43	0.83	3.78	0.	0.	6.06	1.149	-3.	0	58
20631	GTRA12	DISTILL	5.	13.83	0.362 0.05	30.7	2.27	0.97	1.37	7.74	0.	-3.90	8.45	1.602	-19.	0	66
20631	GTRA16	DISTILL	5.	1.00	0.078 0.05	14.0	1.04	0.44	0.84	3.78	0.	0.	6.09	1.154	-3.	0	59
20631	GTRA16	DISTILL	5.	13.06	0.356 0.05	31.1	2.30	0.98	1.37	7.49	0.	-3.66	8.48	1.609	-19.	0	67
20631	GTR208	DISTILL	5.	1.00	0.077 0.05	13.5	1.00	0.43	0.83	3.78	0.	0.	6.03	1.144	-3.	0	58
20631	GTR208	DISTILL	5.	10.99	0.335 0.05	25.2	1.87	0.79	1.22	6.88	0.	-3.04	7.72	1.463	-14.	0	65
20631	GTR212	DISTILL	5.	1.00	0.076 0.05	13.6	1.01	0.43	0.83	3.78	0.	0.	6.05	1.147	-3.	0	58
20631	GTR212	DISTILL	5.	11.81	0.340 0.05	27.0	2.00	0.85	1.27	7.17	0.	-3.29	8.00	1.516	-15.	0	65

ECONOMIC SENSITIVITY REPORT FOR SELECTED PROCESS-ECS MATCHES

SENSITIVITY OF CAPITAL COST — PERCENT OF ORIGINAL COST 100

**********LEVELIZED ANNUAL ENERGY COSTS($ MILLIONS)**********

ENERGY SYSTEM	CONV	SITE-FUEL	POWER REQD MW	POWER GEN/ REQD	FESRPOWER /HEAT RATIO	CAPITAL COST *10**6	CAPITAL + INSNC	TAXES	OANDM	FUEL	PURCHD ELEC	REVNUE	TOTAL	NORML	PRESNT WORTH 15%	ROI %	GROSS DAY PEAK
20631	GTR216	DISTILL	5.	12.08	0.349 0.05	28.6	2.12	0.90	1.31	7.18	0.	-3.37	8.13	1.542	-17.	0	66
20631	GTRW08	DISTILL	5.	1.00	0.064 0.05	13.9	1.03	0.44	0.84	3.83	0.	0.	6.13	1.163	-3.	0	58
20631	GTRW08	DISTILL	5.	16.80	0.314 0.05	32.2	2.39	1.01	1.44	9.58	0.	-4.80	9.62	1.825	-23.	0	63
20631	GTRW12	DISTILL	5.	1.00	0.067 0.05	13.9	1.03	0.44	0.83	3.82	0.	0.	6.12	1.160	-3.	0	58
20631	GTRW12	DISTILL	5.	17.33	0.334 0.05	32.7	2.42	1.03	1.45	9.53	0.	-4.96	9.48	1.798	-23.	0	63
20631	GTRW16	DISTILL	5.	1.00	0.068 0.05	14.1	1.04	0.44	0.84	3.81	0.	0.	6.14	1.164	-4.	0	59
20631	GTRW16	DISTILL	5.	16.28	0.331 0.05	32.7	2.42	1.03	1.44	9.13	0.	-4.64	9.38	1.780	-23.	0	64
20631	GTR308	DISTILL	5.	1.00	0.062 0.05	13.6	1.00	0.43	0.83	3.84	0.	0.	6.10	1.157	-3.	0	58
20631	GTR308	DISTILL	5.	12.64	0.282 0.05	26.7	1.98	0.84	1.28	8.16	0.	-3.54	8.72	1.655	-18.	0	62
20631	GTR312	DISTILL	5.	1.00	0.068 0.05	13.6	1.01	0.43	0.83	3.81	0.	0.	6.08	1.154	-3.	0	58
20631	GTR312	DISTILL	5.	14.51	0.323 0.05	28.5	2.11	0.90	1.33	8.49	0.	-4.11	8.73	1.655	-18.	0	63
20631	GTR316	DISTILL	5.	1.00	0.068 0.05	13.8	1.03	0.44	0.84	3.81	0.	0.	6.11	1.159	-3.	0	58
20631	GTR316	DISTILL	5.	14.30	0.320 0.05	29.4	2.17	0.92	1.35	8.44	0.	-4.04	8.85	1.679	-19.	0	63
20631	FCPADS	DISTILL	5.	1.00	0.050 0.05	14.6	1.08	0.46	0.92	3.89	0.	0.	6.35	1.205	-5.	0	59
20631	FCPADS	DISTILL	5.	32.90	0.279 0.05	93.2	6.90	2.93	7.61	17.33	0.	-9.69	25.09	4.758	-101.	0	63
20631	FCMCDS	DISTILL	5.	1.00	0.067 0.05	14.8	1.10	0.47	0.91	3.82	0.	0.	6.30	1.195	-4.	0	59
20631	FCMCDS	DISTILL	5.	26.02	0.360 0.05	80.4	5.96	2.53	5.96	12.65	0.	-7.61	19.49	3.697	-77.	0	65
20821	ONOCGN	RESIDUA	6.	0.	0. 0.24	3.5	0.26	0.11	0.32	2.43	1.53	0.	4.65	1.000	0.	0	0
20821	STM141	RESIDUA	6.	1.00	0.243 0.24	6.9	0.53	0.22	0.61	3.01	0.	0.	4.37	0.939	-1.	10	9
20821	STM141	RESIDUA	6.	1.25	0.277 0.24	6.6	0.50	0.21	0.49	3.16	0.	-0.23	4.13	0.887	0.	15	6
20821	STM141	COAL-FG	6.	1.00	0.243 0.24	13.6	1.03	0.44	1.07	1.75	0.	0.	4.29	0.923	-4.	7	11
20821	STM141	COAL-FG	6.	1.25	0.277 0.24	12.3	0.94	0.40	0.86	1.83	0.	-0.23	3.79	0.815	-2.	11	8
20821	STM141	COAL-AF	6.	1.00	0.243 0.24	11.6	0.88	0.38	0.98	1.75	0.	0.	3.98	0.856	-2.	10	9
20821	STM141	COAL-AF	6.	1.25	0.277 0.24	9.9	0.75	0.32	0.75	1.83	0.	-0.23	3.42	0.734	1.	17	6
20821	STM088	RESIDUA	6.	0.99	0.240 0.24	5.9	0.45	0.19	0.46	3.01	0.01	0.	4.12	0.885	1.	13	6
20821	STM088	COAL-FG	6.	0.99	0.240 0.24	11.4	0.86	0.37	0.82	1.75	0.01	0.	3.80	0.818	-1.	12	8
20821	STM088	COAL-AF	6.	0.99	0.240 0.24	9.3	0.71	0.30	0.72	1.75	0.01	0.	3.49	0.750	1.	17	6
20821	PFBSTM	COAL-PF	6.	1.00	0.240 0.24	15.4	1.17	0.50	1.18	1.75	0.	0.	4.60	0.989	-6.	5	13
20821	PFBSTM	COAL-PF	6.	1.92	0.332 0.24	15.3	1.16	0.50	1.06	2.03	0.	-0.75	4.00	0.859	-4.	9	10
20821	TISTMT	RESIDUA	6.	1.00	0.239 0.24	19.9	1.51	0.64	0.95	3.02	0.	0.	6.12	1.317	-13.	0	482
20821	TISTMT	RESIDUA	6.	2.34	0.368 0.24	33.1	2.51	1.07	1.17	3.82	0.	-1.24	7.34	1.578	-23.	0	246
20821	TISTMT	COAL	6.	1.00	0.239 0.24	28.3	2.15	0.91	1.47	1.76	0.	0.	6.28	1.350	-17.	0	999
20821	TISTMT	COAL	6.	2.34	0.368 0.24	42.0	3.19	1.36	1.64	2.22	0.	-1.24	7.17	1.540	-26.	0	999
20821	TIHRSG	RESIDUA	6.	0.87	0.182 0.24	26.1	1.94	0.82	0.88	3.04	0.21	0.	6.88	1.480	-18.	0	113
20821	TIHRSG	COAL	6.	0.87	0.182 0.24	33.7	2.56	1.09	1.27	1.77	0.21	0.	6.89	1.480	-22.	0	999
20821	STIRL	DISTILL	6.	1.00	0.205 0.24	7.0	0.52	0.22	0.58	3.88	0.	0.	5.20	1.119	-3.	0	72
20821	STIRL	DISTILL	6.	2.90	0.341 0.24	10.9	0.81	0.34	0.58	5.58	0.	-1.75	5.56	1.196	-6.	0	79
20821	STIRL	RESIDUA	6.	1.00	0.205 0.24	7.0	0.52	0.22	0.59	3.16	0.	0.	4.49	0.965	-1.	8	10
20821	STIRL	RESIDUA	6.	2.90	0.341 0.24	10.9	0.81	0.34	0.58	4.56	0.	-1.75	4.54	0.975	-3.	6	12
20821	STIRL	COAL	6.	1.00	0.205 0.24	13.9	1.03	0.44	1.05	1.84	0.	0.	4.36	0.936	-4.	7	11
20821	STIRL	COAL	6.	2.90	0.341 0.24	18.4	1.36	0.58	1.02	2.65	0.	-1.75	3.86	0.830	-5.	9	10
20821	HEGT85	COAL-AF	6.	1.00	0.197 0.24	24.2	1.84	0.78	1.21	1.85	0.	0.	5.68	1.221	-13.	0	29
20821	HEGT85	COAL-AF	6.	3.13	0.337 0.24	40.0	3.03	1.29	1.44	2.80	0.	-1.96	6.60	1.420	-24.	0	999

ECONOMIC SENSITIVITY REPORT FOR SELECTED PROCESS-ECS MATCHES

SENSITIVITY OF CAPITAL COST — PERCENT OF ORIGINAL COST 100

**********LEVELIZED ANNUAL ENERGY COSTS($ MILLIONS)**********

ENERGY CONV SYSTEM		SITE-FUEL	POWER REQD MW	POWER GEN/ REQD	FESRPOWER /HEAT RATIO	CAPITAL COST *10**6	CAPITAL + INSNC	TAXES	OANDM	FUEL	PURCHD ELEC	REVNUE	TOTAL	NORML	PRESNT WORTH 15%	ROI %	GROSS PAY BACK	
20821	HEGT60	COAL-AF	6.	2.84	0.204	0.24	37.2	2.83	1.20	1.41	3.16	0.	-1.70	6.89	1.481	-23.	0	999
20821	HEGT00	COAL-AF	6.	1.00	0.113	0.24	22.2	1.68	0.72	1.14	2.05	0.	0.	5.59	1.201	-12.	0	39
20821	HEGT00	COAL-AF	6.	1.42	0.138	0.24	23.6	1.79	0.76	0.99	2.31	0.	-0.38	5.47	1.175	-12.	1	21
20821	FCMCCL	COAL	6.	1.00	0.209	0.24	21.3	1.66	0.70	1.25	1.83	0.	0.	5.44	1.169	-11.	1	25
20821	FCMCCL	COAL	6.	2.67	0.338	0.24	28.9	2.24	0.95	1.41	2.52	0.	-1.53	5.59	1.202	-16.	1	22
20821	FCSTCL	COAL	6.	1.00	0.217	0.24	20.6	1.60	0.68	1.28	1.81	0.	0.	5.37	1.155	-11.	1	24
20821	FCSTCL	COAL	6.	4.71	0.419	0.24	37.4	2.91	1.24	1.86	3.28	0.	-3.41	5.87	1.262	-21.	2	22
20821	IGGTST	COAL	6.	1.00	0.178	0.24	20.8	1.62	0.69	1.27	1.90	0.	0.	5.47	1.176	-11.	0	27
20821	IGGTST	COAL	6.	3.38	0.312	0.24	30.7	2.39	1.02	1.32	3.05	0.	-2.19	5.59	1.203	-16.	2	21
20821	GTSOAR	RESIDUA	6.	1.00	0.189	0.24	7.6	0.56	0.24	0.57	3.22	0.	0.	4.59	0.987	-2.	6	12
20821	GTSOAR	RESIDUA	6.	2.66	0.306	0.24	9.9	0.73	0.31	0.50	4.54	0.	-1.53	4.56	0.980	-3.	6	12
20821	GTAC08	RESIDUA	6.	1.00	0.204	0.24	6.9	0.51	0.22	0.54	3.17	0.	0.	4.43	0.953	-1.	10	9
20821	GTAC08	RESIDUA	6.	2.21	0.307	0.24	7.9	0.59	0.25	0.45	4.06	0.	-1.12	4.22	0.907	-1.	12	8
20821	GTAC12	RESIDUA	6.	1.00	0.208	0.24	6.9	0.51	0.22	0.55	3.15	0.	0.	4.43	0.952	-1.	10	9
20821	GTAC12	RESIDUA	6.	2.69	0.337	0.24	9.0	0.66	0.28	0.48	4.37	0.	-1.56	4.23	0.910	-1.	10	8
20821	GTAC16	RESIDUA	6.	1.00	0.207	0.24	7.2	0.53	0.23	0.55	3.15	0.	0.	4.46	0.959	-1.	9	10
20821	GTAC16	RESIDUA	6.	3.00	0.350	0.24	10.0	0.74	0.32	0.51	4.60	0.	-1.84	4.32	0.930	-2.	9	10
20821	GTWC16	RESIDUA	6.	1.00	0.181	0.24	7.5	0.55	0.24	0.56	3.25	0.	0.	4.61	0.990	-2.	6	12
20821	GTWC16	RESIDUA	6.	3.26	0.315	0.24	10.7	0.79	0.34	0.54	5.12	0.	-2.08	4.70	1.010	-3.	4	14
20821	CC1626	RESIDUA	6.	1.00	0.183	0.24	7.7	0.58	0.25	0.65	3.25	0.	0.	4.72	1.016	-2.	3	17
20821	CC1626	RESIDUA	6.	5.85	0.371	0.24	15.6	1.18	0.50	0.81	7.21	0.	-4.47	5.24	1.126	-8.	0	29
20821	CC1622	RESIDUA	6.	1.00	0.192	0.24	7.4	0.56	0.24	0.64	3.21	0.	0.	4.65	1.000	-2.	5	14
20821	CC1622	RESIDUA	6.	5.28	0.380	0.24	14.6	1.11	0.47	0.76	6.57	0.	-3.94	4.97	1.069	-6.	2	20
20821	CC1222	RESIDUA	6.	1.00	0.194	0.24	7.2	0.55	0.23	0.64	3.21	0.	0.	4.62	0.993	-2.	5	13
20821	CC1222	RESIDUA	6.	5.27	0.383	0.24	14.0	1.06	0.45	0.75	6.52	0.	-3.93	4.85	1.043	-6.	3	17
20821	CC0822	RESIDUA	6.	1.00	0.207	0.24	7.4	0.56	0.24	0.64	3.15	0.	0.	4.59	0.986	-2.	6	12
20821	CC0822	RESIDUA	6.	4.26	0.389	0.24	12.1	0.92	0.39	0.69	5.51	0.	-3.00	4.51	0.969	-4.	6	12
20821	STIG15	RESIDUA	6.	1.00	0.067	0.24	7.7	0.57	0.24	0.62	3.71	0.	0.	5.14	1.105	-4.	0	95
20821	STIG15	RESIDUA	6.	122.30	0.171	0.24	196.6	14.56	6.19	10.73	158.84	0.	-111.68	78.64	16.904	-323.	0	59
20821	STIG10	RESIDUA	6.	1.00	0.096	0.24	7.4	0.55	0.23	0.60	3.59	0.	0.	4.97	1.068	-3.	0	999
20821	STIG10	RESIDUA	6.	11.31	0.218	0.24	22.7	1.68	0.71	1.27	15.58	0.	-9.49	9.76	2.098	-25.	0	61
20821	STIG1S	RESIDUA	6.	1.00	0.110	0.24	7.2	0.54	0.23	0.60	3.54	0.	0.	4.90	1.053	-3.	0	999
20821	STIG1S	RESIDUA	6.	6.64	0.228	0.24	15.4	1.14	0.49	0.92	9.80	0.	-5.19	7.15	1.537	-13.	0	63
20821	DEADV3	RESIDUA	6.	1.00	0.201	0.24	9.4	0.70	0.30	0.64	3.18	0.	0.	4.81	1.034	-3.	2	20
20821	DEADV3	RESIDUA	6.	4.15	0.374	0.24	17.5	1.30	0.55	0.77	5.54	0.	-2.90	5.25	1.129	-8.	0	26
20821	DEHTPM	RESIDUA	6.	1.00	0.224	0.24	9.4	0.69	0.29	0.67	3.08	0.	0.	4.74	1.019	-3.	4	16
20821	DEHTPM	RESIDUA	6.	3.47	0.397	0.24	15.0	1.11	0.47	0.74	4.70	0.	-2.27	4.75	1.022	-6.	4	15
20821	DESOA3	DISTILL	6.	1.00	0.192	0.24	8.8	0.66	0.28	0.63	3.94	0.	0.	5.50	1.182	-5.	0	70
20821	DESOA3	DISTILL	6.	4.12	0.358	0.24	21.3	1.58	0.67	0.87	6.92	0.	-2.87	7.16	1.539	-16.	0	71
20821	DESOA3	RESIDUA	6.	1.00	0.192	0.24	8.8	0.66	0.28	0.63	3.21	0.	0.	4.77	1.026	-3.	3	18
20821	DESOA3	RESIDUA	6.	4.12	0.358	0.24	21.3	1.58	0.67	0.87	5.65	0.	-2.87	5.89	1.265	-12.	0	999
20821	GTSOAD	DISTILL	6.	1.00	0.201	0.24	6.7	0.49	0.21	0.54	3.89	0.	0.	5.13	1.104	-3.	0	72
20821	GTSOAD	DISTILL	6.	2.56	0.321	0.24	8.0	0.60	0.25	0.45	5.32	0.	-1.44	5.18	1.114	-4.	0	83

ECONOMIC SENSITIVITY REPORT FOR SELECTED PROCESS-ECS MATCHES

SENSITIVITY OF CAPITAL COST — PERCENT OF ORIGINAL COST 100

ENERGY SYSTEM	CONV	SITE-FUEL	POWER REQD MW	POWER GEN/ REQD	FESRPOWER /HEAT RATIO	CAPITAL COST *10**6	CAPITAL + INSNC	TAXES	OANDM	FUEL	PURCHD ELEC	REVNUE	TOTAL	NORML	PRESNT WORTH 15%	ROI %	GROSS PAY BACK	
						********** LEVELIZED ANNUAL ENERGY COSTS ($ MILLIONS) **********												
20821	GTRA08	DISTILL	6.	3.96	0.358	0.24	13.0	0.96	0.41	0.60	6.72	0.	-2.72	5.97	1.283	-9.	0	72
20821	GTRA12	DISTILL	6.	1.00	0.197	0.24	7.8	0.58	0.25	0.57	3.91	0.	0.	5.31	1.141	-4.	0	71
20821	GTRA12	DISTILL	6.	3.92	0.362	0.24	13.1	0.97	0.41	0.60	6.64	0.	-2.69	5.93	1.275	-8.	0	73
20821	GTRA16	DISTILL	6.	1.00	0.197	0.24	8.1	0.60	0.25	0.58	3.91	0.	0.	5.34	1.148	-4.	0	71
20821	GTRA16	DISTILL	6.	3.70	0.356	0.24	13.3	0.98	0.42	0.60	6.44	0.	-2.49	5.95	1.279	-9.	0	74
20821	GTR208	DISTILL	6.	1.00	0.196	0.24	7.5	0.55	0.24	0.56	3.92	0.	0.	5.27	1.132	-4.	0	71
20821	GTR208	DISTILL	6.	3.12	0.335	0.24	10.5	0.78	0.33	0.53	5.91	0.	-1.95	5.60	1.204	-6.	0	73
20821	GTR212	DISTILL	6.	1.00	0.194	0.24	7.6	0.57	0.24	0.57	3.93	0.	0.	5.30	1.139	-4.	0	70
20821	GTR212	DISTILL	6.	3.35	0.340	0.24	11.4	0.84	0.36	0.55	6.16	0.	-2.16	5.75	1.236	-7.	0	72
20821	GTR216	DISTILL	6.	1.00	0.198	0.24	7.8	0.58	0.24	0.57	3.91	0.	0.	5.30	1.139	-4.	0	71
20821	GTR216	DISTILL	6.	3.42	0.349	0.24	12.0	0.89	0.38	0.57	6.16	0.	-2.23	5.77	1.239	-7.	0	75
20821	GTRW08	DISTILL	6.	1.00	0.163	0.24	8.0	0.59	0.25	0.58	4.08	0.	0.	5.51	1.183	-5.	0	65
20821	GTRW08	DISTILL	6.	4.76	0.314	0.24	14.4	1.06	0.45	0.66	8.23	0.	-3.46	6.94	1.491	-12.	0	63
20821	GTRW12	DISTILL	6.	1.00	0.171	0.24	8.0	0.59	0.25	0.58	4.04	0.	0.	5.46	1.174	-5.	0	66
20821	GTRW12	DISTILL	6.	4.91	0.334	0.24	14.6	1.08	0.46	0.66	8.19	0.	-3.60	6.79	1.459	-12.	0	64
20821	GTRW16	DISTILL	6.	1.00	0.173	0.24	8.2	0.61	0.26	0.58	4.03	0.	0.	5.48	1.178	-5.	0	67
20821	GTRW16	DISTILL	6.	4.62	0.331	0.24	14.6	1.08	0.46	0.66	7.84	0.	-3.33	6.71	1.443	-12.	0	64
20821	GTR308	DISTILL	6.	1.00	0.158	0.24	7.6	0.56	0.24	0.57	4.10	0.	0.	5.47	1.177	-4.	0	64
20821	GTR308	DISTILL	6.	3.58	0.282	0.24	11.5	0.85	0.36	0.57	7.01	0.	-2.38	6.41	1.379	-9.	0	62
20821	GTR312	DISTILL	6.	1.00	0.174	0.24	7.7	0.57	0.24	0.57	4.03	0.	0.	5.41	1.163	-4.	0	66
20821	GTR312	DISTILL	6.	4.11	0.323	0.24	12.5	0.92	0.39	0.60	7.30	0.	-2.87	6.34	1.363	-9.	0	64
20821	GTR316	DISTILL	6.	1.00	0.173	0.24	7.9	0.59	0.25	0.58	4.03	0.	0.	5.44	1.170	-5.	0	66
20821	GTR316	DISTILL	6.	4.05	0.320	0.24	12.9	0.96	0.41	0.61	7.25	0.	-2.81	6.41	1.378	-10.	0	64
20821	FCPADS	DISTILL	6.	1.00	0.199	0.24	7.6	0.56	0.24	0.92	3.90	0.	0.	5.63	1.209	-5.	0	65
20821	FCPADS	DISTILL	6.	4.43	0.378	0.24	16.7	1.24	0.53	2.52	7.06	0.	-3.15	8.19	1.760	-18.	0	64
20821	FCMCDS	DISTILL	6.	1.00	0.170	0.24	8.2	0.61	0.26	0.91	4.05	0.	0.	5.82	1.251	-6.	0	64
20821	FCMCDS	DISTILL	6.	7.38	0.360	0.24	29.3	2.17	0.92	3.91	10.86	0.	-5.87	11.99	2.577	-35.	0	62
22601	ONOCGN	RESIDUA	6.	0.	0.	0.13	5.2	0.39	0.17	0.41	4.22	1.49	0.	6.67	1.000	0.	0	0
22601	STM141	RESIDUA	6.	1.00	0.164	0.13	9.1	0.69	0.29	0.76	4.78	0.	0.	6.53	0.979	-2.	7	11
22601	STM141	RESIDUA	6.	1.61	0.227	0.13	8.8	0.67	0.28	0.60	5.13	0.	-0.54	6.13	0.919	-0.	14	7
22601	STM141	COAL-FG	6.	1.00	0.164	0.13	19.3	1.47	0.62	1.40	2.78	0.	0.	6.27	0.940	-6.	7	11
22601	STM141	COAL-FG	6.	1.61	0.227	0.13	17.4	1.32	0.56	1.11	2.98	0.	-0.54	5.42	0.813	-2.	12	8
22601	STM141	COAL-AF	6.	1.00	0.164	0.13	16.7	1.27	0.54	1.29	2.78	0.	0.	5.87	0.880	-3.	10	9
22601	STM141	COAL-AF	6.	1.61	0.227	0.13	13.2	1.00	0.43	0.97	2.98	0.	-0.54	4.83	0.724	2.	18	6
22601	STM088	RESIDUA	6.	1.00	0.164	0.13	8.4	0.64	0.27	0.72	4.78	0.	0.	6.41	0.962	-1.	10	9
22601	STM088	RESIDUA	6.	1.18	0.184	0.13	7.8	0.59	0.25	0.57	4.89	0.	-0.16	6.13	0.920	0.	17	6
22601	STM088	COAL-FG	6.	1.00	0.164	0.13	18.0	1.37	0.58	1.32	2.78	0.	0.	6.04	0.906	-4.	8	10
22601	STM088	COAL-FG	6.	1.18	0.184	0.13	16.0	1.21	0.52	1.05	2.84	0.	-0.16	5.46	0.819	-1.	12	8
22601	STM088	COAL-AF	6.	1.00	0.164	0.13	15.0	1.14	0.48	1.21	2.78	0.	0.	5.60	0.840	-1.	12	8
22601	STM088	COAL-AF	6.	1.18	0.184	0.13	12.4	0.94	0.40	0.93	2.84	0.	-0.16	4.95	0.743	2.	19	5
22601	PFBS1M	COAL-PF	6.	1.00	0.160	0.13	20.6	1.56	0.67	1.48	2.79	0.	0.	6.50	0.974	-7.	6	12
22601	PFBSTM	COAL-PF	6.	2.57	0.292	0.13	21.3	1.62	0.69	1.45	3.32	0.	-1.41	5.67	0.850	-5.	9	9
22601	TISTMT	RESIDUA	6.	1.00	0.161	0.13	23.2	1.76	0.75	1.11	4.80	0.	0.	8.42	1.263	-14.	0	160

ECONOMIC SENSITIVITY REPORT FOR SELECTED PROCESS-ECS MATCHES

SENSITIVITY OF CAPITAL COST PERCENT OF ORIGINAL COST 100

**********LEVELIZED ANNUAL ENERGY COSTS($ MILLIONS)**********

ENERGY SYSTEM	CONV	SITE-FUEL	POWER REQD MW	POWER GEN/ REQD	FESRPOWER /HEAT RATIO	CAPITAL COST *10**6	CAPITAL + INSNC	TAXES	OANDM	FUEL	PURCHD ELEC	REVNUE	TOTAL	NORML	PRESNT WORTH 15%	ROI %	GROSS PAY BACK
22601	TISTMT	COAL	6.	1.00	0.161 0.13	34.8	2.64	1.12	1.78	2.79	0.	0.	8.33	1.250	-20.	0	999
22601	TISTMT	COAL	6.	3.42	0.337 0.13	62.0	4.71	2.00	2.27	3.60	0.	-2.17	10.42	1.562	-39.	0	999
22601	TIHRSG	RESIDUA	6.	1.00	0.125 0.13	32.0	2.37	1.01	1.24	5.01	0.	0.	9.62	1.443	-22.	0	90
22601	TIHRSG	RESIDUA	6.	1.61	0.173 0.13	42.2	3.12	1.33	1.34	5.49	0.	-0.54	10.73	1.609	-30.	0	89
22601	TIHRSG	COAL	6.	1.00	0.125 0.13	44.6	3.39	1.44	1.93	2.91	0.	0.	9.67	1.450	-28.	0	999
22601	TIHRSG	COAL	6.	1.61	0.173 0.13	54.2	4.11	1.75	1.93	3.19	0.	-0.54	10.43	1.565	-35.	0	999
22601	STIRL	DISTILL	6.	1.00	0.117 0.13	10.0	0.74	0.32	0.73	6.19	0.	0.	7.98	1.196	-6.	0	61
22601	STIRL	DISTILL	6.	4.09	0.265 0.13	18.4	1.36	0.58	0.84	9.33	0.	-2.76	9.36	1.403	-15.	0	63
22601	STIRL	RESIDUA	6.	1.00	0.117 0.13	10.0	0.74	0.32	0.73	5.05	0.	0.	6.84	1.026	-3.	1	23
22601	STIRL	RESIDUA	6.	4.09	0.265 0.13	18.4	1.37	0.58	0.84	7.61	0.	-2.76	7.64	1.146	-9.	0	999
22601	STIRL	COAL	6.	1.00	0.117 0.13	19.9	1.47	0.63	1.55	2.93	0.	0.	6.38	0.957	-6.	6	12
22601	STIRL	COAL	6.	4.09	0.265 0.13	32.5	2.41	1.02	1.54	4.42	0.	-2.76	6.63	0.995	-13.	5	13
22601	HEGT85	COAL-AF	6.	1.00	0.049 0.13	29.8	2.26	0.96	1.50	3.16	0.	0.	7.89	1.183	-16.	0	29
22601	HEGT85	COAL-AF	6.	15.45	0.157 0.13	126.2	9.58	4.07	4.42	13.42	0.	-12.91	18.57	2.785	-95.	0	135
22601	HEGT60	COAL-AF	6.	1.00	0.058 0.13	29.0	2.20	0.94	1.49	3.13	0.	0.	7.75	1.163	-15.	0	27
22601	HEGT60	COAL-AF	6.	6.17	0.151 0.13	65.5	4.97	2.11	2.41	6.64	0.	-4.62	11.51	1.726	-44.	0	999
22601	HEGT00	COAL-AF	6.	1.00	0.063 0.13	27.7	2.10	0.89	1.46	3.11	0.	0.	7.57	1.135	-14.	1	24
22601	HEGT00	COAL-AF	6.	2.66	0.116 0.13	37.5	2.84	1.21	1.51	4.21	0.	-1.48	8.29	1.244	-21.	0	30
22601	FCMCCL	COAL	6.	1.00	0.140 0.13	27.0	2.10	0.89	1.52	2.86	0.	0.	7.37	1.105	-13.	2	20
22601	FCMCCL	COAL	6.	4.79	0.337 0.13	44.7	3.47	1.48	2.15	4.39	0.	-3.39	8.11	1.216	-24.	1	22
22601	FCSTCL	COAL	6.	1.00	0.146 0.13	28.3	2.04	0.87	1.55	2.84	0.	0.	7.30	1.095	-13.	2	20
22601	FCSTCL	COAL	6.	7.39	0.402 0.13	54.4	4.23	1.80	2.67	5.32	0.	-5.71	8.30	1.245	-30.	2	21
22601	IGGTST	COAL	6.	1.00	0.116 0.13	26.3	2.04	0.87	1.54	2.94	0.	0.	7.39	1.108	-13.	2	21
22601	IGGTST	COAL	6.	5.16	0.286 0.13	43.5	3.38	1.44	1.74	4.96	0.	-3.71	7.81	1.171	-23.	2	20
22601	GTSOAR	RESIDUA	6.	1.00	0.120 0.13	9.8	0.72	0.31	0.68	5.04	0.	0.	6.75	1.012	-2.	3	17
22601	GTSOAR	RESIDUA	6.	5.02	0.293 0.13	15.9	1.17	0.50	0.72	8.31	0.	-3.59	7.12	1.067	-6.	0	26
22601	GTAC08	RESIDUA	6.	1.00	0.139 0.13	9.1	0.67	0.29	0.66	4.92	0.	0.	6.54	0.981	-1.	7	11
22601	GTAC08	RESIDUA	6.	3.93	0.309 0.13	12.3	0.91	0.39	0.62	6.98	0.	-2.61	6.29	0.943	-2.	9	9
22601	GTAC12	RESIDUA	6.	1.00	0.138 0.13	9.1	0.67	0.29	0.66	4.93	0.	0.	6.55	0.983	-1.	7	11
22601	GTAC12	RESIDUA	6.	4.90	0.334 0.13	14.4	1.07	0.45	0.68	7.71	0.	-3.48	6.42	0.963	-4.	7	11
22601	GTAC16	RESIDUA	6.	1.00	0.136 0.13	9.3	0.69	0.29	0.67	4.94	0.	0.	6.59	0.989	-2.	6	12
22601	GTAC16	RESIDUA	6.	5.54	0.343 0.13	16.4	1.21	0.51	0.73	8.23	0.	-4.06	6.64	0.996	-5.	5	13
22601	GTWC16	RESIDUA	6.	1.00	0.123 0.13	9.6	0.71	0.30	0.68	5.02	0.	0.	6.71	1.006	-2.	4	15
22601	GTWC16	RESIDUA	6.	5.82	0.315 0.13	16.5	1.22	0.52	0.75	8.87	0.	-4.30	7.05	1.057	-6.	1	22
22601	CC1626	RESIDUA	6.	1.00	0.122 0.13	9.7	0.73	0.31	0.76	5.03	0.	0.	6.83	1.024	-3.	2	22
22601	CC1626	RESIDUA	6.	9.29	0.356 0.13	22.4	1.70	0.72	1.05	11.71	0.	-7.41	7.77	1.165	-12.	0	999
22601	CC1622	RESIDUA	6.	1.00	0.127 0.13	9.4	0.71	0.30	0.75	4.99	0.	0.	6.76	1.013	-2.	3	17
22601	CC1622	RESIDUA	6.	8.36	0.364 0.13	21.6	1.64	0.70	1.01	10.67	0.	-6.58	7.44	1.115	-10.	0	28
22601	CC1222	RESIDUA	6.	1.00	0.129 0.13	9.2	0.70	0.30	0.74	4.98	0.	0.	6.72	1.008	-2.	4	16
22601	CC1222	RESIDUA	6.	8.33	0.367 0.13	20.5	1.55	0.66	0.99	10.59	0.	-6.55	7.25	1.086	-9.	1	23
22601	CC0822	RESIDUA	6.	1.00	0.138 0.13	9.4	0.71	0.30	0.75	4.93	0.	0.	6.70	1.004	-2.	4	15
22601	CC0822	RESIDUA	6.	6.64	0.369 0.13	17.4	1.32	0.56	0.89	8.95	0.	-5.04	6.68	1.002	-6.	5	14
22601	STIG15	RESIDUA	6.	1.00	0.045 0.13	9.6	0.71	0.30	0.72	5.46	0.	0.	7.20	1.079	-4.	0	91

ECONOMIC SENSITIVITY REPORT FOR SELECTED PROCESS-ECS MATCHES

SENSITIVITY OF CAPITAL COST — PERCENT OF ORIGINAL COST 100

**********LEVELIZED ANNUAL ENERGY COSTS($ MILLIONS)**********

ENERGY SYSTEM	CONV	SITE-FUEL	POWER REQD MW	POWER GEN/ REQD	FESRPOWER /HEAT RATIO	CAPITAL COST *10**6	CAPITAL + INSNC	TAXES	OANDM	FUEL	PURCHD ELEC	REVNUE	TOTAL	NORML	PRESNT WORTH 15%	ROI %	GROSS PAY BACK	
22601	STIG10	RESIDUA	6.	1.00	0.065	0.13	9.3	0.69	0.29	0.70	5.35	0.	0.	7.03	1.054	-3.	0	999
22601	STIG10	RESIDUA	6.	20.24	0.218	0.13	39.8	2.95	1.25	2.02	27.07	0.	-17.19	16.10	2.415	-46.	0	61
22601	STIG1S	RESIDUA	6.	1.00	0.074	0.13	9.2	0.68	0.29	0.70	5.30	0.	0.	6.97	1.045	-3.	0	999
22601	STIG1S	RESIDUA	6.	11.88	0.228	0.13	24.2	1.79	0.76	1.36	17.01	0.	-9.72	11.22	1.682	-23.	0	62
22601	DEADV3	RESIDUA	6.	1.00	0.093	0.13	12.1	0.90	0.38	0.77	5.19	0.	0.	7.24	1.085	-5.	0	999
22601	DEADV3	RESIDUA	6.	12.85	0.292	0.13	53.4	3.95	1.68	1.84	16.64	0.	-10.59	13.52	2.027	-44.	0	71
22601	DEHTPM	RESIDUA	6.	1.00	0.139	0.13	12.2	0.90	0.38	0.81	4.93	0.	0.	7.02	1.053	-4.	0	999
22601	DEHTPM	RESIDUA	6.	5.85	0.358	0.13	28.0	2.07	0.88	1.16	8.35	0.	-4.33	8.13	1.219	-15.	0	999
22601	DESOA3	DISTILL	6.	1.00	0.079	0.13	11.6	0.86	0.37	0.76	6.45	0.	0.	8.45	1.267	-9.	0	61
22601	DESOA3	DISTILL	6.	14.85	0.255	0.13	75.9	5.62	2.39	2.43	24.22	0.	-12.38	22.28	3.341	-82.	0	62
22601	DESOA3	RESIDUA	6.	1.00	0.079	0.13	11.6	0.86	0.37	0.76	5.27	0.	0.	7.26	1.088	-5.	0	320
22601	DESOA3	RESIDUA	6.	14.85	0.255	0.13	75.9	5.62	2.39	2.43	19.76	0.	-12.38	17.82	2.672	-68.	0	68
22601	GTSOAD	DISTILL	6.	1.00	0.132	0.13	8.8	0.65	0.28	0.66	6.09	0.	0.	7.68	1.152	-5.	0	61
22601	GTSOAD	DISTILL	6.	4.71	0.314	0.13	12.8	0.95	0.40	0.64	9.49	0.	-3.31	8.17	1.226	-8.	0	61
22601	GTRA08	DISTILL	6.	1.00	0.123	0.13	10.0	0.74	0.31	0.68	6.15	0.	0.	7.89	1.183	-6.	0	62
22601	GTRA08	DISTILL	6.	7.70	0.343	0.13	21.4	1.58	0.67	0.89	12.69	0.	-5.98	9.85	1.478	-18.	0	64
22601	GTRA12	DISTILL	6.	1.00	0.126	0.13	9.9	0.74	0.31	0.68	6.13	0.	0.	7.86	1.179	-6.	0	62
22601	GTRA12	DISTILL	6.	7.54	0.349	0.13	21.6	1.60	0.68	0.89	12.39	0.	-5.84	9.72	1.457	-17.	0	64
22601	GTRA16	DISTILL	6.	1.00	0.126	0.13	10.2	0.75	0.32	0.69	6.13	0.	0.	7.89	1.183	-6.	0	62
22601	GTRA16	DISTILL	6.	7.05	0.345	0.13	21.7	1.61	0.68	0.89	11.89	0.	-5.40	9.67	1.450	-17.	0	65
22601	GTR208	DISTILL	6.	1.00	0.126	0.13	9.6	0.71	0.30	0.68	6.13	0.	0.	7.82	1.172	-6.	0	61
22601	GTR208	DISTILL	6.	5.86	0.324	0.13	17.1	1.26	0.54	0.76	10.77	0.	-4.34	8.99	1.349	-13.	0	64
22601	GTR212	DISTILL	6.	1.00	0.125	0.13	9.8	0.72	0.31	0.68	6.13	0.	0.	7.84	1.176	-6.	0	61
22601	GTR212	DISTILL	6.	6.28	0.330	0.13	18.4	1.36	0.58	0.80	11.21	0.	-4.72	9.23	1.384	-14.	0	64
22601	GTR216	DISTILL	6.	1.00	0.128	0.13	9.9	0.73	0.31	0.68	6.12	0.	0.	7.84	1.176	-6.	0	62
22601	GTR216	DISTILL	6.	6.44	0.339	0.13	19.6	1.45	0.62	0.83	11.24	0.	-4.86	9.28	1.392	-15.	0	65
22601	GTRW08	DISTILL	6.	1.00	0.103	0.13	10.1	0.75	0.32	0.69	6.29	0.	0.	8.04	1.206	-7.	0	61
22601	GTRW08	DISTILL	6.	9.20	0.302	0.13	23.2	1.72	0.73	0.96	15.43	0.	-7.33	11.51	1.726	-24.	0	60
22601	GTRW12	DISTILL	6.	1.00	0.110	0.13	10.1	0.75	0.32	0.69	6.24	0.	0.	7.99	1.198	-6.	0	61
22601	GTRW12	DISTILL	6.	9.38	0.324	0.13	23.4	1.73	0.74	0.96	15.17	0.	-7.49	11.11	1.667	-22.	0	61
22601	GTRW16	DISTILL	6.	1.00	0.112	0.13	10.3	0.76	0.32	0.69	6.23	0.	0.	8.00	1.200	-7.	0	61
22601	GTRW16	DISTILL	6.	8.72	0.322	0.13	23.2	1.72	0.73	0.95	14.38	0.	-6.90	10.88	1.632	-22.	0	62
22601	GTR308	DISTILL	6.	1.00	0.096	0.13	9.7	0.72	0.30	0.68	6.34	0.	0.	8.04	1.206	-6.	0	60
22601	GTR308	DISTILL	6.	7.03	0.263	0.13	18.9	1.40	0.59	0.83	13.35	0.	-5.39	10.78	1.617	-19.	0	60
22601	GTR312	DISTILL	6.	1.00	0.114	0.13	9.8	0.72	0.31	0.68	6.22	0.	0.	7.93	1.189	-6.	0	61
22601	GTR312	DISTILL	6.	7.63	0.316	0.13	19.7	1.46	0.62	0.85	13.13	0.	-5.92	10.13	1.520	-18.	0	61
22601	GTR316	DISTILL	6.	1.00	0.113	0.13	10.0	0.74	0.32	0.69	6.22	0.	0.	7.96	1.194	-6.	0	61
22601	GTR316	DISTILL	6.	7.51	0.313	0.13	20.3	1.51	0.64	0.87	13.05	0.	-5.82	10.24	1.535	-18.	0	62
22601	FCPADS	DISTILL	6.	1.00	0.086	0.13	10.3	0.77	0.33	1.04	6.41	0.	0.	8.54	1.281	-8.	0	60
22601	FCPADS	DISTILL	6.	16.70	0.279	0.13	61.2	4.53	1.93	8.93	25.86	0.	-14.02	27.23	4.084	-92.	0	61
22601	FCMCDS	DISTILL	6.	1.00	0.114	0.13	10.6	0.78	0.33	1.01	6.21	0.	0.	8.34	1.250	-8.	0	61
22601	FCMCDS	DISTILL	6.	13.21	0.360	0.13	52.6	3.89	1.65	6.75	18.87	0.	-10.91	20.26	3.038	-66.	0	62
24211	ONOCGN	RESIDUA	2.	0.	0.	0.17	1.8	0.13	0.06	0.21	0.	0.23	0.	0.63	1.000	0.	0	0

ECONOMIC SENSITIVITY REPORT FOR SELECTED PROCESS-ECS MATCHES

SENSITIVITY OF CAPITAL COST — PERCENT OF ORIGINAL COST 100

ENERGY CONV SYSTEM	SITE-FUEL	POWER REQD MW	POWER GEN/ REQD	FESRPOWER /HEAT RATIO	CAPITAL COST *10**6	CAPITAL + INSNC	TAXES	OANDM	FUEL	PURCHD ELEC	REVNUE	TOTAL	NORML	PRESNT WORTH 15%	ROI %	GRO S PAY BACK
********** LEVELIZED ANNUAL ENERGY COSTS($ MILLIONS) **********																
24211 STM141	RESIDUA	2.	1.14 0.947	0.17	3.1	0.23	0.10	0.30	0.01	0.	-0.02	0.63	1.005	-1.	5	14
24211 STM141	COAL-FG	2.	1.00 0.991	0.17	6.1	0.46	0.20	0.62	0.00	0.	0.	1.29	2.045	-4.	0	77
24211 STM141	COAL-FG	2.	1.14 0.947	0.17	5.5	0.41	0.18	0.49	0.01	0.	-0.02	1.07	1.701	-3.	0	96
24211 STM141	COAL-AF	2.	1.00 0.991	0.17	5.5	0.42	0.18	0.56	0.00	0.	0.	1.16	1.847	-4.	0	81
24211 STM141	COAL-AF	2.	1.14 0.947	0.17	4.8	0.36	0.15	0.42	0.01	0.	-0.02	0.93	1.478	-2.	0	212
24211 STM088	RESIDUA	2.	0.81 0.810	0.17	2.6	0.20	0.08	0.29	0.	0.04	0.	0.62	0.982	-0.	6	12
24211 STM088	COAL-FG	2.	0.81 0.810	0.17	5.0	0.38	0.16	0.47	0.	0.04	0.	1.05	1.675	-3.	0	85
24211 STM088	COAL-AF	2.	0.81 0.810	0.17	4.5	0.34	0.14	0.41	0.	0.04	0.	0.94	1.492	-2.	0	107
24211 PFBSTM	COAL-PF	2.	1.00 0.977	0.17	7.5	0.57	0.24	0.67	0.00	0.	0.	1.48	2.360	-5.	0	76
24211 PFBSTM	COAL-PF	2.	1.89 0.804	0.17	7.3	0.55	0.23	0.53	0.05	0.	-0.12	1.24	1.970	-5.	0	106
24211 TISTMT	RESIDUA	2.	1.00-0.257	0.17	8.4	0.63	0.27	0.53	0.29	0.	0.	1.73	2.749	-7.	0	68
24211 TISTMT	COAL	2.	1.00 0.981	0.17	12.2	0.93	0.39	0.81	0.00	0.	0.	2.13	3.396	-10.	0	75
24211 TISTMT	COAL	2.	2.53 0.758	0.17	18.1	1.37	0.58	0.83	0.08	0.	-0.21	2.65	4.217	-14.	0	82
24211 TIHRSG	RESIDUA	2.	1.00-1.274	0.17	11.0	0.82	0.35	0.52	0.53	0.	0.	2.21	3.519	-9.	0	66
24211 TIHRSG	COAL	2.	1.00 0.833	0.17	15.0	1.14	0.48	0.78	0.02	0.	0.	2.43	3.871	-12.	0	76
24211 TIHRSG	COAL	2.	1.27 0.755	0.17	16.0	1.22	0.52	0.67	0.04	0.	-0.04	2.41	3.841	-12.	0	80
24211 STIRL	DISTILL	2.	1.00-0.255	0.17	2.9	0.22	0.09	0.35	0.36	0.	0.	1.02	1.623	-2.	0	61
24211 STIRL	RESIDUA	2.	1.00-0.255	0.17	2.9	0.22	0.09	0.35	0.29	0.	0.	0.95	1.518	-2.	0	62
24211 STIRL	COAL	2.	1.00 0.813	0.17	6.3	0.47	0.20	0.61	0.03	0.	0.	1.30	2.075	-4.	0	75
24211 STIRL	COAL	2.	3.15 0.562	0.17	6.7	0.50	0.21	0.50	0.19	0.	-0.30	1.10	1.743	-4.	0	208
24211 HEGT85	COAL-AF	2.	1.00 0.532	0.17	10.7	0.81	0.34	0.66	0.06	0.	0.	1.87	2.979	-8.	0	75
24211 HEGT85	COAL-AF	2.	13.66 0.192	0.17	42.3	3.21	1.37	1.46	1.49	0.	-1.75	5.77	9.190	-36.	0	76
24211 HEGT60	COAL-AF	2.	1.00 0.572	0.17	10.3	0.78	0.33	0.65	0.06	0.	0.	1.82	2.893	-8.	0	76
24211 HEGT60	COAL-AF	2.	5.01 0.278	0.17	20.8	1.58	0.67	0.79	0.49	0.	-0.56	2.98	4.738	-17.	0	81
24211 HEGT00	COAL-AF	2.	1.00 0.601	0.17	9.7	0.73	0.31	0.62	0.05	0.	0.	1.72	2.733	-7.	0	76
24211 HEGT00	COAL-AF	2.	2.10 0.408	0.17	11.7	0.88	0.38	0.51	0.17	0.	-0.15	1.79	2.842	-8.	0	86
24211 FCMCCL	COAL	2.	1.00-1.673	0.17	9.3	0.72	0.31	0.64	0.36	0.	0.	2.03	3.238	-8.	0	67
24211 FCMCCL	COAL	2.	3.76-0.053	0.17	13.8	1.07	0.45	0.65	0.54	0.	-0.38	2.33	3.703	-11.	0	74
24211 FCSTCL	COAL	2.	1.00-1.653	0.17	9.1	0.71	0.30	0.69	0.36	0.	0.	2.06	3.276	-8.	0	66
24211 FCSTCL	COAL	2.	5.60 0.159	0.17	16.5	1.28	0.54	0.83	0.64	0.	-0.64	2.65	4.218	-14.	0	76
24211 IGGTST	COAL	2.	1.00-1.770	0.17	9.6	0.75	0.32	0.75	0.37	0.	0.	2.19	3.478	-9.	0	66
24211 IGGTST	COAL	2.	3.87-0.133	0.17	14.2	1.11	0.47	0.75	0.59	0.	-0.40	2.52	4.014	-12.	0	72
24211 GTSOAR	RESIDUA	2.	1.00-0.103	0.17	3.4	0.25	0.11	0.34	0.26	0.	0.	0.96	1.526	-2.	0	65
24211 GTAC08	RESIDUA	2.	1.00-0.185	0.17	3.1	0.23	0.10	0.33	0.28	0.	0.	0.93	1.486	-2.	0	63
24211 GTAC12	RESIDUA	2.	1.00-0.049	0.17	3.1	0.23	0.10	0.33	0.24	0.	0.	0.90	1.431	-1.	0	65
24211 GTAC16	RESIDUA	2.	1.00 0.009	0.17	3.1	0.23	0.10	0.33	0.23	0.	0.	0.89	1.422	-1.	0	66
24211 GTWC16	RESIDUA	2.	1.00-0.016	0.17	3.3	0.25	0.10	0.34	0.24	0.	0.	0.93	1.476	-2.	0	66
24211 CC1626	RESIDUA	2.	1.00 0.148	0.17	3.4	0.26	0.11	0.40	0.20	0.	0.	0.97	1.539	-2.	0	67
24211 CC1622	RESIDUA	2.	1.00 0.136	0.17	3.2	0.25	0.10	0.40	0.20	0.	0.	0.95	1.510	-2.	0	66
24211 CC1222	RESIDUA	2.	1.00 0.139	0.17	3.2	0.24	0.10	0.39	0.20	0.	0.	0.94	1.491	-2.	0	66
24211 CC0822	RESIDUA	2.	1.00 0.083	0.17	3.3	0.25	0.11	0.40	0.21	0.	0.	0.97	1.540	-2.	0	66
24211 STIG15	RESIDUA	2.	1.00 0.160	0.17	3.5	0.26	0.11	0.35	0.20	0.	0.	0.91	1.454	-2.	0	69
24211 STIG10	RESIDUA	2.	1.00 0.109	0.17	3.3	0.25	0.10	0.35	0.21	0.	0.	0.91	1.441	-2.	0	68

ECONOMIC SENSITIVITY REPORT FOR SELECTED PROCESS-ECS MATCHES

SENSITIVITY OF CAPITAL COST — PERCENT OF ORIGINAL COST 100

**********LEVELIZED ANNUAL ENERGY COSTS($ MILLIONS)**********

ENERGY CONV SYSTEM		SITE-FUEL	POWER REQD MW	POWER GEN/ REQD	FESRPOWER /HEAT RATIO	CAPITAL COST *10**6	CAPITAL + INSNC	TAXES	OANDM	FUEL	PURCHD ELEC	REVNUE	TOTAL	NORML	PRESNT WORTH 15%	ROI %	GROSS PAY BACK
24211	DEADV3	RESIDUA	2.	1.00	0.137 0.17	4.6	0.33	0.14	0.39	0.20	0.	0.	1.06	1.688	-3.	0	70
24211	DEHTPM	RESIDUA	2.	1.00	0.036 0.17	4.5	0.33	0.14	0.41	0.22	0.	0.	1.11	1.764	-3.	0	68
24211	DESOA3	DISTILL	2.	1.00	0.114 0.17	3.4	0.25	0.11	0.36	0.25	0.	0.	0.98	1.554	-2.	0	65
24211	DESOA3	RESIDUA	2.	1.00	0.114 0.17	3.4	0.25	0.11	0.36	0.21	0.	0.	0.93	1.480	-2.	0	68
24211	GTSOAD	DISTILL	2.	1.00	-0.096 0.17	3.0	0.22	0.09	0.33	0.31	0.	0.	0.96	1.528	-2.	0	62
24211	GTRA08	DISTILL	2.	1.00	0.104 0.17	3.5	0.26	0.11	0.34	0.26	0.	0.	0.97	1.544	-2.	0	66
24211	GTRA12	DISTILL	2.	1.00	0.106 0.17	3.4	0.25	0.11	0.34	0.26	0.	0.	0.96	1.524	-2.	0	65
24211	GTRA16	DISTILL	2.	1.00	0.083 0.17	3.5	0.26	0.11	0.34	0.26	0.	0.	0.98	1.555	-2.	0	66
24211	GTR208	DISTILL	2.	1.00	0.000 0.17	3.3	0.25	0.10	0.34	0.29	0.	0.	0.98	1.553	-2.	0	64
24211	GTR212	DISTILL	2.	1.00	0.030 0.17	3.4	0.25	0.11	0.34	0.28	0.	0.	0.97	1.551	-2.	0	64
24211	GTR216	DISTILL	2.	1.00	0.050 0.17	3.4	0.25	0.11	0.34	0.27	0.	0.	0.97	1.546	-2.	0	65
24211	GTRW08	DISTILL	2.	1.00	0.088 0.17	3.6	0.27	0.11	0.35	0.26	0.	0.	0.98	1.566	-2.	0	65
24211	GTRW12	DISTILL	2.	1.00	0.121 0.17	3.6	0.26	0.11	0.35	0.25	0.	0.	0.97	1.549	-2.	0	66
24211	GTRW16	DISTILL	2.	1.00	0.104 0.17	3.7	0.27	0.12	0.35	0.26	0.	0.	0.99	1.574	-2.	0	66
24211	GTR308	DISTILL	2.	1.00	-0.032 0.17	3.4	0.25	0.11	0.34	0.29	0.	0.	0.99	1.580	-2.	0	63
24211	GTR312	DISTILL	2.	1.00	0.064 0.17	3.5	0.26	0.11	0.34	0.27	0.	0.	0.97	1.550	-2.	0	65
24211	GTR316	DISTILL	2.	1.00	0.056 0.17	3.5	0.26	0.11	0.34	0.27	0.	0.	0.99	1.573	-2.	0	65
24211	FCPADS	DISTILL	2.	1.00	0.158 0.17	3.2	0.23	0.10	0.35	0.24	0.	0.	0.93	1.478	-2.	0	66
24211	FCMCDS	DISTILL	2.	1.00	0.223 0.17	3.2	0.24	0.10	0.35	0.22	0.	0.	0.91	1.445	-2.	0	67
24361	ONOCGN	RESIDUA	3.	0.	0. 0.14	3.2	0.24	0.10	0.30	0.	0.69	0.	1.33	1.000	0.	0	0
24361	STM141	RESIDUA	3.	1.00	0.991 0.14	5.3	0.40	0.17	0.51	0.01	0.	0.	1.09	0.815	-0.	12	8
24361	STM141	RESIDUA	3.	1.06	0.970 0.14	5.0	0.38	0.16	0.42	0.02	0.	-0.02	0.96	0.721	0.	17	6
24361	STM141	COAL-FG	3.	1.00	0.991 0.14	10.5	0.80	0.34	0.88	0.00	0.	0.	2.03	1.520	-6.	0	***
24361	STM141	COAL-FG	3.	1.06	0.970 0.14	9.7	0.73	0.31	0.73	0.01	0.	-0.02	1.77	1.326	-5.	0	999
24361	STM141	COAL-AF	3.	1.00	0.991 0.14	8.7	0.66	0.28	0.79	0.00	0.	0.	1.74	1.305	-4.	0	999
24361	STM141	COAL-AF	3.	1.06	0.970 0.14	7.8	0.59	0.25	0.64	0.01	0.	-0.02	1.47	1.100	-3.	2	20
24361	STM088	RESIDUA	3.	0.68	0.677 0.14	4.3	0.33	0.14	0.40	0.	0.22	0.	1.09	0.820	0.	17	6
24361	STM088	COAL-FG	3.	0.68	0.677 0.14	8.8	0.67	0.29	0.70	0.	0.22	0.	1.88	1.411	-4.	0	346
24361	STM088	COAL-AF	3.	0.68	0.677 0.14	7.3	0.55	0.24	0.61	0.	0.22	0.	1.63	1.221	-3.	0	999
24361	PFBSTM	COAL-PF	3.	1.00	0.970 0.14	12.9	0.98	0.42	1.03	0.01	0.	0.	2.44	1.828	-8.	0	110
24361	PFBSTM	COAL-PF	3.	1.97	0.789 0.14	12.4	0.94	0.40	0.88	0.17	0.	-0.40	1.99	1.490	-7.	0	999
24361	TISTMT	RESIDUA	3.	1.00	-0.398 0.14	14.8	1.13	0.48	0.79	0.98	0.	0.	3.37	2.531	-12.	0	67
24361	TISTMT	COAL	3.	1.00	0.980 0.14	21.9	1.66	0.71	1.24	0.01	0.	0.	3.62	2.713	-16.	0	85
24361	TISTMT	COAL	3.	2.73	0.747 0.14	34.0	2.58	1.10	1.37	0.28	0.	-0.72	4.61	3.457	-25	0	101
24361	TIHRSG	RESIDUA	3.	1.00	-1.274 0.14	18.9	1.40	0.59	0.81	1.59	0.	0.	4.39	3.297	-17.	0	61
24361	TIHRSG	COAL	3.	1.00	0.784 0.14	26.5	2.01	0.85	1.27	0.09	0.	0.	4.22	3.166	-20.	0	82
24361	TIHRSG	COAL	3.	1.63	0.641 0.14	32.1	2.44	1.04	1.21	0.24	0.	-0.26	4.66	3.496	-24.	0	98
24361	STIRL	DISTILL	3.	1.00	-0.322 0.14	5.6	0.42	0.18	0.52	1.13	0.	0.	2.24	1.683	-4.	0	59
24361	STIRL	RESIDUA	3.	1.00	-0.322 0.14	5.6	0.42	0.18	0.52	0.92	0.	0.	2.03	1.527	-3.	0	61
24361	STIRL	COAL	3.	1.00	0.803 0.14	11.7	0.87	0.37	0.93	0.08	0.	0.	2.24	1.684	-7.	0	120
24361	STIRL	COAL	3.	3.64	0.536 0.14	15.4	1.14	0.48	0.89	0.68	0.	-1.10	2.10	1.572	-8.	0	999
24361	HEGT60	COAL-AF	3.	1.00	0.496 0.14	17.8	1.35	0.57	1.00	0.20	0.	0.	3.13	2.349	-13.	0	85
24361	HEGT60	COAL-AF	3.	7.59	0.176 0.14	45.4	3.44	1.46	1.68	2.53	0.	-2.74	6.38	4.789	-36.	0	84

ECONOMIC SENSITIVITY REPORT FOR SELECTED PROCESS-ECS MATCHES

SENSITIVITY OF CAPITAL COST — PERCENT OF ORIGINAL COST 100

**********LEVELIZED ANNUAL ENERGY COSTS($ MILLIONS)**********

ENERGY SYSTEM	CONV SYSTEM	SITE-FUEL	POWER REQD MW	POWER GEN/ REQD	FESRPOWER /HEAT RATIO	CAPITAL COST *10**6	CAPITAL + INSNC	TAXES	O&NDM	FUEL	PURCHD ELEC	REVNUE	TOTAL	NORML	PRESNT WORTH 15%	ROI %	GROSS PAY PACK
24361	HEGTOO	COAL-AF	3.	2.69 0.344	0.14	22.6	1.72	0.73	0.94	0.72	0.	-0.70	3.40	2.551	-16.	0	103
24361	FCMCCL	COAL	3.	1.00-2.226	0.14	16.3	1.26	0.54	1.01	1.31	0.	0.	4.12	3.089	-15.	0	64
24361	FCMCCL	COAL	3.	4.72-0.053	0.14	26.3	2.05	0.87	1.26	2.01	0.	-1.54	4.64	3.483	-22.	0	74
24361	FCSTCL	COAL	3.	1.00-2.208	0.14	16.0	1.24	0.53	1.06	1.30	0.	0.	4.13	3.098	-15.	0	64
24361	FCSTCL	COAL	3.	6.42 0.121	0.14	30.3	2.35	1.00	1.51	2.29	0.	-2.25	4.90	3.675	-25.	0	80
24361	IGGTST	COAL	3.	1.00-2.334	0.14	16.5	1.28	0.54	1.09	1.35	0.	0.	4.27	3.203	-16.	0	64
24361	IGGTST	COAL	3.	4.34-0.212	0.14	25.0	1.95	0.83	1.14	2.13	0.	-1.39	4.66	3.496	-21.	0	71
24361	GTSOAR	RESIDUA	3.	1.00-0.103	0.14	6.0	0.44	0.19	0.49	0.77	0.	0.	1.90	1.424	-3.	0	65
24361	GTAC08	RESIDUA	3.	1.00-0.185	0.14	5.5	0.41	0.17	0.48	0.83	0.	0.	1.89	1.421	-3.	0	63
24361	GTAC12	RESIDUA	3.	1.00-0.049	0.14	5.5	0.41	0.17	0.48	0.73	0.	0.	1.79	1.316	-3.	0	65
24361	GTAC16	RESIDUA	3.	1.00 0.009	0.14	5.6	0.42	0.18	0.48	0.69	0.	0.	1.77	1.326	-3.	0	67
24361	GTWC16	RESIDUA	3.	1.00-0.016	0.14	5.9	0.44	0.19	0.49	0.71	0.	0.	1.82	1.366	-3.	0	67
24361	CC1626	RESIDUA	3.	1.00 0.117	0.14	5.9	0.45	0.19	0.56	0.62	0.	0.	1.81	1.356	-3.	0	70
24361	CC1622	RESIDUA	3.	1.00 0.101	0.14	5.7	0.43	0.18	0.55	0.63	0.	0.	1.79	1.344	-3.	0	69
24361	CC1222	RESIDUA	3.	1.00 0.103	0.14	5.5	0.42	0.18	0.55	0.63	0.	0.	1.77	1.330	-3.	0	69
24361	CC0822	RESIDUA	3.	1.00 0.034	0.14	5.7	0.43	0.18	0.55	0.67	0.	0.	1.84	1.383	-3.	0	67
24361	STIG15	RESIDUA	3.	1.00 0.160	0.14	5.9	0.44	0.19	0.51	0.59	0.	0.	1.72	1.289	-2.	0	76
24361	STIG10	RESIDUA	3.	1.00 0.109	0.14	5.7	0.42	0.18	0.50	0.62	0.	0.	1.72	1.292	-2.	0	72
24361	STIG1S	RESIDUA	3.	1.00 0.045	0.14	5.6	0.42	0.18	0.50	0.67	0.	0.	1.76	1.320	-2.	0	68
24361	DEADV3	RESIDUA	3.	1.00 0.137	0.14	7.5	0.56	0.24	0.55	0.60	0.	0.	1.95	1.465	-4.	0	74
24361	DEHTPM	RESIDUA	3.	1.00-0.030	0.14	7.8	0.58	0.24	0.59	0.72	0.	0.	2.13	1.596	-5.	0	67
24361	DESOA3	DISTILL	3.	1.00 0.114	0.14	6.5	0.48	0.20	0.53	0.76	0.	0.	1.97	1.481	-4.	0	65
24361	DESOA3	RESIDUA	3.	1.00 0.114	0.14	6.5	0.48	0.20	0.53	0.62	0.	0.	1.83	1.376	-3.	0	72
24361	GTSOAD	DISTILL	3.	1.00-0.096	0.14	5.4	0.40	0.17	0.48	0.94	0.	0.	1.98	1.489	-3.	0	61
24361	GTRA08	DISTILL	3.	1.00 0.104	0.14	6.1	0.45	0.19	0.49	0.77	0.	0.	1.91	1.431	-3.	0	65
24361	GTRA12	DISTILL	3.	1.00 0.106	0.14	6.1	0.45	0.19	0.49	0.77	0.	0.	1.89	1.421	-3.	0	65
24361	GTRA16	DISTILL	3.	1.00 0.083	0.14	6.2	0.46	0.20	0.49	0.78	0.	0.	1.94	1.452	-3.	0	65
24361	GTR208	DISTILL	3.	1.00-0.000	0.14	5.9	0.44	0.19	0.49	0.86	0.	0.	1.96	1.474	-3.	0	63
24361	GTR212	DISTILL	3.	1.00 0.030	0.14	6.0	0.44	0.19	0.49	0.83	0.	0.	1.95	1.464	-3.	0	63
24361	GTR216	DISTILL	3.	1.00 0.050	0.14	6.0	0.45	0.19	0.49	0.81	0.	0.	1.94	1.456	-3.	0	64
24361	GTRW08	DISTILL	3.	1.00 0.088	0.14	6.2	0.46	0.20	0.50	0.78	0.	0.	1.93	1.451	-3.	0	65
24361	GTRW12	DISTILL	3.	1.00 0.121	0.14	6.2	0.46	0.20	0.49	0.75	0.	0.	1.90	1.428	-3.	0	66
24361	GTRW16	DISTILL	3.	1.00 0.104	0.14	6.4	0.47	0.20	0.50	0.77	0.	0.	1.94	1.452	-3.	0	65
24361	GTR306	DISTILL	3.	1.00-0.032	0.14	5.9	0.44	0.19	0.49	0.88	0.	0.	2.00	1.503	-3.	0	62
24361	GTR312	DISTILL	3.	1.00 0.064	0.14	6.0	0.45	0.19	0.49	0.80	0.	0.	1.93	1.447	-3.	0	64
24361	GTR316	DISTILL	3.	1.00 0.056	0.14	6.2	0.46	0.19	0.50	0.81	0.	0.	1.96	1.467	-3.	0	64
24361	FCPADS	DISTILL	3.	1.00 0.158	0.14	5.9	0.44	0.19	0.62	0.72	0.	0.	1.97	1.476	-3.	0	64
24361	FCMCDS	DISTILL	3.	1.00 0.223	0.14	6.0	0.45	0.19	0.61	0.66	0.	0.	1.91	1.432	-3.	0	66
24921	ONOCGN	RESIDUA	5.	0. 0.	0.46	2.1	0.15	0.06	0.22	0.07	1.54	0.	2.05	1.000	0.	0	0
24921	STM141	RESIDUA	5.	0.31 0.187	0.46	3.3	0.25	0.11	0.32	0.25	1.06	0.	1.98	0.967	-0.	9	10
24921	STM141	COAL-FG	5.	0.31 0.187	0.46	6.0	0.45	0.19	0.54	0.15	1.06	0.	2.39	1.165	-3.	0	999
24921	STM141	COAL-AF	5.	0.31 0.187	0.46	5.1	0.39	0.17	0.47	0.15	1.06	0.	2.23	1.088	-2.	0	999
24921	STM088	RESIDUA	5.	0.20 0.120	0.46	2.8	0.21	0.09	0.31	0.19	1.22	0.	2.02	0.986	-0.	7	11

ECONOMIC SENSITIVITY REPORT FOR SELECTED PROCESS-ECS MATCHES

SENSITIVITY OF CAPITAL COST — PERCENT OF ORIGINAL COST 100

**********LEVELIZED ANNUAL ENERGY COSTS($ MILLIONS)**********

ENERGY SYSTEM	CONV	SITE-FUEL	POWER REQD MW	POWER GEN/ REQD	FESRPOWER /HEAT RATIO	CAPITAL COST *10**6	CAPITAL + INSNC	TAXES	OANDM	FUEL	PURCHD ELEC	REVNUE	TOTAL	NORML	PRESNT WORTH 15%	ROI %	GROSS PAY PAY
24921	STM088	COAL-AF	5.	0.20 0.120	0.46	4.8	0.36	0.15	0.46	0.11	1.23	0.	2.32	1.130	-2.	0	***
24921	PFBSTM	COAL-PF	5.	0.58 0.337	0.46	7.9	0.60	0.26	0.63	0.25	0.64	0.	2.38	1.159	-4.	0	999
24921	TISTMT	RESIDUA	5.	0.04 0.026	0.46	3.7	0.28	0.12	0.37	0.09	1.47	0.	2.34	1.139	-2.	0	71
24921	TISTMT	COAL	5.	0.81 0.474	0.46	20.3	1.54	0.65	0.92	0.32	0.29	0.	3.73	1.819	-14.	0	263
24921	TIHRSG	RESIDUA	5.	0.03 0.010	0.46	3.6	0.26	0.11	0.32	0.09	1.50	0.	2.29	1.115	-1.	0	71
24921	TIHRSG	COAL	5.	0.48 0.192	0.46	19.1	1.45	0.62	0.79	0.28	0.80	0.	3.95	1.926	-14.	0	94
24921	STIRL	DISTILL	5.	1.00-0.266	0.46	4.8	0.34	0.14	0.41	2.51	0.	0.	3.40	1.660	-5.	0	58
24921	STIRL	DISTILL	5.	0.06 0.024	0.46	2.5	0.20	0.09	0.32	0.15	1.45	0.	2.20	1.075	-1.	0	66
24921	STIRL	RESIDUA	5.	1.00-0.266	0.46	4.6	0.34	0.14	0.41	2.05	0.	0.	2.94	1.434	-4.	0	60
24921	STIRL	RESIDUA	5.	0.06 0.024	0.46	2.8	0.20	0.09	0.32	0.12	1.45	0.	2.18	1.062	-1.	0	71
24921	STIRL	COAL	5.	1.00 0.417	0.46	8.2	0.61	0.26	0.70	0.55	0.	0.	2.11	1.029	-3.	4	15
24921	STIRL	COAL	5.	1.08 0.418	0.46	7.7	0.57	0.24	0.58	0.59	0.	-0.07	1.91	0.930	-2.	7	11
24921	HEGT60	COAL-AF	5.	1.00 0.123	0.46	18.9	1.43	0.61	0.97	0.83	0.	0.	3.84	1.874	-14.	0	110
24921	HEGT60	COAL-AF	5.	2.25 0.126	0.46	27.6	2.10	0.89	1.09	1.80	0.	-1.15	4.73	2.305	-21.	0	168
24921	HEGT00	COAL-AF	5.	0.80 0.158	0.46	13.8	1.04	0.44	0.62	0.61	0.31	0.	3.03	1.478	-9.	0	999
24921	FCMCCL	COAL	5.	1.00-0.230	0.46	14.9	1.16	0.49	0.92	1.16	0.	0.	3.73	1.821	-12.	0	83
24921	FCMCCL	COAL	5.	1.40-0.020	0.46	16.0	1.24	0.53	0.83	1.32	0.	-0.37	3.56	1.738	-12.	0	112
24921	FCSTCL	COAL	5.	1.00-0.213	0.46	14.9	1.16	0.49	1.00	1.14	0.	0.	3.80	1.852	-12.	0	81
24921	FCSTCL	COAL	5.	1.90 0.141	0.46	18.4	1.43	0.61	1.02	1.51	0.	-0.83	3.73	1.817	-13.	0	146
24921	IGGTST	COAL	5.	1.00-0.334	0.46	15.2	1.18	0.50	0.94	1.25	0.	0.	3.89	1.895	-12.	0	78
24921	IGGTST	COAL	5.	1.28-0.171	0.46	15.7	1.22	0.52	0.81	1.40	0.	-0.26	3.69	1.800	-12.	0	89
24921	GTSOAR	RESIDUA	5.	1.00-0.057	0.46	5.4	0.40	0.17	0.43	1.71	0.	0.	2.70	1.319	-4.	0	65
24921	GTSOAR	RESIDUA	5.	0.08 0.034	0.46	3.0	0.22	0.09	0.31	0.14	1.41	0.	2.18	1.063	-1.	0	79
24921	GTAC08	RESIDUA	5.	1.00-0.135	0.46	4.5	0.33	0.14	0.37	1.84	0.	0.	2.69	1.310	-3.	0	61
24921	GTAC08	RESIDUA	5.	0.06 0.031	0.46	2.7	0.20	0.09	0.30	0.11	1.45	0.	2.15	1.048	-1.	0	80
24921	GTAC12	RESIDUA	5.	1.00-0.005	0.46	4.7	0.35	0.15	0.40	1.63	0.	0.	2.53	1.233	-3.	0	67
24921	GTAC12	RESIDUA	5.	0.08 0.039	0.46	2.8	0.20	0.09	0.31	0.13	1.42	0.	2.14	1.045	-1.	0	90
24921	GTAC16	RESIDUA	5.	1.00 0.051	0.46	5.0	0.37	0.16	0.41	1.54	0.	0.	2.48	1.208	-3.	0	74
24921	GTAC16	RESIDUA	5.	0.09 0.043	0.46	2.8	0.21	0.09	0.31	0.14	1.40	0.	2.15	1.046	-1.	0	97
24921	GTWC16	RESIDUA	5.	1.00 0.027	0.46	5.3	0.39	0.17	0.43	1.58	0.	0.	2.56	1.248	-3.	0	70
24921	GTWC16	RESIDUA	5.	0.09 0.041	0.46	2.9	0.22	0.09	0.31	0.14	1.40	0.	2.17	1.057	-1.	0	87
24921	CC1626	RESIDUA	5.	1.00 0.154	0.46	5.4	0.41	0.18	0.52	1.37	0.	0.	2.48	1.207	-3.	0	94
24921	CC1626	RESIDUA	5.	0.13 0.057	0.46	3.1	0.23	0.10	0.37	0.18	1.34	0.	2.22	1.084	-1.	0	77
24921	CC1622	RESIDUA	5.	1.00 0.139	0.46	5.2	0.39	0.17	0.51	1.39	0.	0.	2.46	1.200	-3.	0	88
24921	CC1622	RESIDUA	5.	0.12 0.054	0.46	2.9	0.22	0.09	0.37	0.16	1.36	0.	2.21	1.075	-1.	0	76
24921	CC1222	RESIDUA	5.	1.00 0.141	0.46	5.0	0.38	0.16	0.50	1.39	0.	0.	2.43	1.187	-3.	0	90
24921	CC1222	RESIDUA	5.	0.12 0.054	0.46	2.9	0.22	0.09	0.37	0.16	1.36	0.	2.20	1.071	-1.	0	77
24921	CC0822	RESIDUA	5.	1.00 0.075	0.46	5.1	0.38	0.16	0.50	1.50	0.	0.	2.54	1.241	-3.	0	73
24921	CC0822	RESIDUA	5.	0.09 0.045	0.46	2.9	0.22	0.09	0.36	0.14	1.40	0.	2.20	1.075	-1.	0	74
24921	STIG15	RESIDUA	5.	1.00 0.166	0.46	5.6	0.42	0.18	0.51	1.35	0.	0.	2.45	1.197	-3.	0	107
24921	STIG15	RESIDUA	5.	3.44 0.171	0.46	10.4	0.77	0.33	0.81	4.48	0.	-2.25	4.13	2.016	-10.	0	62
24921	STIG10	RESIDUA	5.	1.00 0.147	0.46	5.3	0.39	0.17	0.48	1.38	0.	0.	2.42	1.181	-3.	0	103
24921	STIG10	RESIDUA	5.	0.32 0.075	0.46	3.7	0.27	0.12	0.37	0.44	1.05	0.	2.25	1.097	-1.	0	92

ECONOMIC SENSITIVITY REPORT FOR SELECTED PROCESS-ECS MATCHES

ENERGY CONV SYSTEM	SITE-FUEL	POWER REQD MW	SENSITIVITY OF CAPITAL COST: POWER GEN/REQD	FESRPOWER/HEAT RATIO	CAPITAL COST *10**6	PERCENT OF ORIGINAL COST 100 **********LEVELIZED ANNUAL ENERGY COSTS($ MILLIONS)********** CAPITAL + INSNC	TAXES	OANDM	FUEL	PURCHD ELEC	REVNUE	TOTAL	NORML	PRESNT WORTH 15%	ROI %	GROSS PAY BACK
24921 STIG1S	RESIDUA	5.	0.19	0.050	0.46	3.2	0.24	0.10	0.34	0.28	1.25	0.	2.21	1.078	-1.	0	82
24921 DEADV3	RESIDUA	5.	1.00	0.174	0.46	7.2	0.54	0.23	0.53	1.34	0.	0.	2.63	1.282	-4.	0	99
24921 DEADV3	RESIDUA	5.	0.23	0.073	0.46	4.5	0.33	0.14	0.39	0.31	1.18	0.	2.36	1.150	-2.	0	84
24921 DEHTPM	RESIDUA	5.	1.00	0.014	0.46	7.3	0.54	0.23	0.54	1.60	0.	0.	2.90	1.417	-5.	0	69
24921 DEHTPM	RESIDUA	5.	0.09	0.040	0.46	2.9	0.22	0.09	0.34	0.14	1.41	0.	2.19	1.069	-1.	0	75
24921 DESOA3	DISTILL	5.	1.00	0.151	0.46	6.5	0.48	0.21	0.51	1.69	0.	0.	2.89	1.408	-5.	0	66
24921 DESOA3	DISTILL	5.	0.27	0.072	0.46	3.6	0.27	0.11	0.38	0.46	1.12	0.	2.34	1.143	-2.	0	88
24921 DESOA3	RESIDUA	5.	1.00	0.151	0.46	6.5	0.48	0.21	0.51	1.38	0.	0.	2.58	1.256	-4.	0	92
24921 DESOA3	RESIDUA	5.	0.27	0.072	0.46	3.6	0.27	0.11	0.38	0.38	1.12	0.	2.26	1.102	-1.	0	87
24921 GTSOAD	DISTILL	5.	1.00	-0.050	0.46	4.5	0.33	0.14	0.40	2.08	0.	0.	2.95	1.440	-4.	0	59
24921 GTSOAD	DISTILL	5.	0.07	0.035	0.46	2.7	0.20	0.09	0.30	0.16	1.42	0.	2.17	1.060	-1.	0	70
24921 GTRA08	DISTILL	5.	1.00	0.142	0.46	5.7	0.42	0.18	0.45	1.70	0.	0.	2.75	1.343	-4.	0	65
24921 GTRA08	DISTILL	5.	0.13	0.055	0.46	3.2	0.24	0.10	0.33	0.22	1.34	0.	2.23	1.087	-1.	0	74
24921 GTRA12	DISTILL	5.	1.00	0.144	0.46	5.6	0.42	0.18	0.44	1.70	0.	0.	2.74	1.336	-4.	0	65
24921 GTRA12	DISTILL	5.	0.13	0.055	0.46	3.1	0.23	0.10	0.32	0.22	1.34	0.	2.21	1.080	-1.	0	75
24921 GTRA16	DISTILL	5.	1.00	0.122	0.46	5.9	0.43	0.18	0.45	1.74	0.	0.	2.81	1.370	-4.	0	65
24921 GTRA16	DISTILL	5.	0.12	0.052	0.46	3.1	0.23	0.10	0.32	0.20	1.36	0.	2.22	1.082	-1.	0	74
24921 GTR208	DISTILL	5.	1.00	0.042	0.46	5.3	0.39	0.17	0.43	1.90	0.	0.	2.89	1.408	-4.	0	62
24921 GTR208	DISTILL	5.	0.10	0.042	0.46	3.0	0.22	0.09	0.31	0.18	1.39	0.	2.20	1.074	-1.	0	71
24921 GTR212	DISTILL	5.	1.00	0.071	0.46	5.5	0.40	0.17	0.43	1.84	0.	0.	2.85	1.392	-4.	0	62
24921 GTR212	DISTILL	5.	0.10	0.045	0.46	3.0	0.22	0.10	0.32	0.19	1.38	0.	2.21	1.076	-1.	0	72
24921 GTR216	DISTILL	5.	1.00	0.091	0.46	5.6	0.41	0.18	0.44	1.81	0.	0.	2.83	1.380	-4.	0	63
24921 GTR216	DISTILL	5.	0.11	0.047	0.46	3.0	0.23	0.10	0.32	0.19	1.38	0.	2.21	1.076	-1.	0	73
24921 GTRW08	DISTILL	5.	1.00	0.127	0.46	5.9	0.43	0.18	0.46	1.73	0.	0.	2.81	1.369	-4.	0	65
24921 GTRW08	DISTILL	5.	0.16	0.055	0.46	3.4	0.25	0.11	0.34	0.27	1.30	0.	2.26	1.102	-1.	0	72
24921 GTRW12	DISTILL	5.	1.00	0.158	0.46	5.9	0.43	0.18	0.45	1.67	0.	0.	2.74	1.338	-4.	0	66
24921 GTRW12	DISTILL	5.	0.16	0.060	0.46	3.4	0.25	0.11	0.33	0.26	1.30	0.	2.25	1.097	-1.	0	74
24921 GTRW16	DISTILL	5.	1.00	0.142	0.46	6.0	0.45	0.19	0.46	1.70	0.	0.	2.80	1.364	-4.	0	66
24921 GTRW16	DISTILL	5.	0.14	0.057	0.46	3.4	0.25	0.11	0.33	0.24	1.32	0.	2.25	1.098	-1.	0	73
24921 GTR308	DISTILL	5.	1.00	0.011	0.46	5.4	0.40	0.17	0.44	1.96	0.	0.	2.98	1.454	-5.	0	61
24921 GTR308	DISTILL	5.	0.12	0.039	0.46	3.1	0.23	0.10	0.32	0.23	1.36	0.	2.24	1.090	-1.	0	68
24921 GTR312	DISTILL	5.	1.00	0.104	0.46	5.5	0.41	0.17	0.44	1.78	0.	0.	2.81	1.369	-4.	0	63
24921 GTR312	DISTILL	5.	0.12	0.050	0.46	3.2	0.23	0.10	0.32	0.22	1.35	0.	2.23	1.086	-1.	0	72
24921 GTR316	DISTILL	5.	1.00	0.096	0.46	5.7	0.43	0.18	0.45	1.80	0.	0.	2.85	1.389	-4.	0	63
24921 GTR316	DISTILL	5.	0.12	0.049	0.46	3.2	0.24	0.10	0.32	0.22	1.35	0.	2.23	1.089	-1.	0	72
24921 FCPADS	DISTILL	5.	1.00	0.193	0.46	5.5	0.40	0.17	0.82	1.60	0.	0.	3.00	1.461	-5.	0	64
24921 FCPADS	DISTILL	5.	0.26	0.082	0.46	3.4	0.25	0.11	0.42	0.42	1.14	0.	2.33	1.137	-2.	0	67
24921 FCMCDS	DISTILL	5.	1.00	0.256	0.46	5.6	0.42	0.18	0.78	1.48	0.	0.	2.85	1.392	-4.	0	67
24921 FCMCDS	DISTILL	5.	0.21	0.087	0.46	3.3	0.24	0.10	0.38	0.31	1.22	0.	2.25	1.097	-1.	0	74
26212 ONOCGN	RESIDUA	50.	0.	0.	0.22	24.7	1.83	0.78	1.08	17.26	16.17	0.	37.10	1.000	0.	0	0
26212 STM141	RESIDUA	50.	0.94	0.286	0.22	32.3	2.45	1.04	1.41	23.04	0.91	0.	28.86	0.778	22.	54	2
26212 STM141	COAL-FG	50.	0.94	0.286	0.22	61.3	4.65	1.98	3.20	13.38	0.91	0.	24.12	0.650	23.	24	4
26212 STM141	COAL-AF	50.	0.94	0.286	0.22	42.6	3.23	1.38	2.93	13.38	0.91	0.	21.83	0.588	39.	46	3

ECONOMIC SENSITIVITY REPORT FOR SELECTED PROCESS-ECS MATCHES

SENSITIVITY OF CAPITAL COST — PERCENT OF ORIGINAL COST 100

**********LEVELIZED ANNUAL ENERGY COSTS($ MILLIONS)**********

ENERGY CONV SYSTEM	SITE-FUEL	POWER REQD MW	POWER GEN/ REQD	FESRPOWER /HEAT RATIO	CAPITAL COST *10**6	CAPITAL + INSNC	TAXES	OANDM	FUEL	PURCHD ELEC	REVNUE	TOTAL	NORML	PRESNT WORTH 15%	ROI %	GROSS PAY BACK
26212 STM088	COAL-FG	50.	0.69	0.208 0.22	57.3	4.35	1.85	2.99	12.46	5.09	0.	26.74	0.721	16.	22	5
26212 STM088	COAL-AF	50.	0.69	0.208 0.22	41.0	3.11	1.32	2.83	12.46	5.09	0.	24.81	0.669	30.	41	3
26212 PFBSTM	COAL-PF	50.	1.00	0.297 0.22	63.2	4.79	2.04	4.84	13.70	0.	0.	25.37	0.684	18.	22	5
26212 PFBSTM	COAL-PF	50.	1.53	0.361 0.22	60.9	4.62	1.97	5.13	15.66	0.	-5.16	22.22	0.599	29.	27	4
26212 TISTMT	RESIDUA	50.	1.00	0.298 0.22	105.8	8.03	3.41	3.57	23.35	0.	0.	38.56	1.039	-44.	3	16
26212 TISTMT	RESIDUA	50.	1.26	0.333 0.22	118.8	9.01	3.83	3.90	25.19	0.	-2.52	39.42	1.062	-53.	3	18
26212 TISTMT	COAL	50.	1.00	0.298 0.22	140.2	10.64	4.52	5.58	13.68	0.	0.	34.43	0.928	-48.	7	11
26212 TISTMT	COAL	50.	2.05	0.404 0.22	202.1	15.34	6.52	6.85	17.50	0.	-10.15	36.07	0.972	-82.	5	13
26212 TIHRSG	RESIDUA	50.	0.61	0.135 0.22	105.5	7.81	3.32	3.40	22.71	6.26	0.	43.50	1.172	-58.	0	999
26212 TIHRSG	COAL	50.	1.00	0.219 0.22	179.8	13.64	5.80	6.06	15.17	0.06	0.	40.74	1.098	-86.	3	18
26212 STIRL	DISTILL	50.	1.00	0.215 0.22	53.6	3.97	1.69	2.22	32.28	0.	0.	40.16	1.082	-23.	0	103
26212 STIRL	DISTILL	50.	1.49	0.259 0.22	63.2	4.68	1.99	2.48	37.69	0.	-4.71	42.13	1.135	-34.	0	76
26212 STIRL	RESIDUA	50.	1.00	0.215 0.22	53.7	3.98	1.69	2.22	26.33	0.	0.	34.22	0.922	-5.	12	8
26212 STIRL	RESIDUA	50.	1.49	0.259 0.22	63.3	4.69	1.99	2.48	30.74	0.	-4.71	35.20	0.949	-12.	9	10
26212 STIRL	COAL	50.	1.00	0.215 0.22	91.5	6.77	2.88	4.41	15.29	0.	0.	29.36	0.791	-7.	13	7
26212 STIRL	COAL	50.	2.41	0.308 0.22	150.0	11.11	4.72	5.79	22.75	0.	-13.72	30.66	0.826	-39.	9	10
26212 HEGT85	COAL-AF	50.	1.00	0.069 0.22	120.7	9.16	3.89	5.20	18.14	0.	0.	36.39	0.981	-44.	5	13
26212 HEGT85	COAL-AF	50.	12.41	0.131 0.22	652.2	49.49	21.04	23.87	110.80	0.	-110.71	94.49	2.547	-482.	0	276
26212 HEGT60	COAL-AF	50.	1.00	0.091 0.22	115.1	8.74	3.71	5.08	17.71	0.	0.	35.25	0.950	-38.	6	12
26212 HEGT60	COAL-AF	50.	4.07	0.148 0.22	213.3	16.19	6.88	8.72	41.36	0.	-29.82	43.33	1.168	-111.	2	21
26212 HEGT00	COAL-AF	50.	1.00	0.110 0.22	100.7	7.64	3.25	4.76	17.34	0.	0.	32.98	0.889	-24.	9	10
26212 HEGT00	COAL-AF	50.	1.65	0.138 0.22	117.0	8.88	3.78	5.11	22.07	0.	-6.28	33.56	0.905	-34.	8	10
26212 FCMCCL	COAL	50.	1.00	-0.062 0.22	96.8	7.52	3.20	5.36	20.69	0.	0.	36.77	0.991	-35.	5	13
26212 FCMCCL	COAL	50.	2.94	0.226 0.22	142.4	11.07	4.71	8.45	29.24	0.	-18.78	34.69	0.935	-51.	6	12
26212 FCSTCL	COAL	50.	1.00	-0.052 0.22	101.8	7.91	3.37	5.37	20.50	0.	0.	37.15	1.001	-39.	5	14
26212 FCSTCL	COAL	50.	4.46	0.328 0.22	172.5	13.41	5.70	10.26	35.09	0.	-33.56	30.90	0.833	-55.	8	10
26212 IGGTST	COAL	50.	1.00	-0.108 0.22	89.1	6.92	2.94	4.02	21.58	0.	0.	35.47	0.956	-27.	7	11
26212 IGGTST	COAL	50.	3.10	0.169 0.22	137.8	10.71	4.56	4.50	32.71	0.	-20.37	32.11	0.865	-41.	8	10
26212 GTSOAR	RESIDUA	50.	1.00	0.217 0.22	39.9	2.96	1.26	1.79	26.27	0.	0.	32.27	0.870	8.	23	5
26212 GTSOAR	RESIDUA	50.	1.92	0.288 0.22	48.3	3.57	1.52	2.04	34.59	0.	-8.96	32.76	0.883	3.	16	6
26212 GTAC08	RESIDUA	50.	1.00	0.258 0.22	37.1	2.75	1.17	1.71	24.88	0.	0.	30.50	0.822	15.	34	3
26212 GTAC08	RESIDUA	50.	1.48	0.310 0.22	40.1	2.97	1.26	1.80	28.51	0.	-4.62	29.92	0.806	15.	30	4
26212 GTAC12	RESIDUA	50.	1.00	0.254 0.22	38.5	2.85	1.21	1.75	25.02	0.	0.	30.83	0.831	13.	30	4
26212 GTAC12	RESIDUA	50.	1.85	0.333 0.22	45.9	3.40	1.45	1.96	31.60	0.	-8.23	30.17	0.813	12.	24	4
26212 GTAC16	RESIDUA	50.	1.00	0.249 0.22	39.9	2.96	1.26	1.78	25.19	0.	0.	31.18	0.840	11.	27	4
26212 GTAC16	RESIDUA	50.	2.10	0.341 0.22	50.9	3.77	1.60	2.10	33.92	0.	-10.68	30.71	0.828	8.	19	5
26212 GTWC16	RESIDUA	50.	1.00	0.227 0.22	39.1	2.89	1.23	1.77	25.93	0.	0.	31.82	0.858	10.	26	4
26212 GTWC16	RESIDUA	50.	2.19	0.315 0.22	48.6	3.60	1.53	2.05	36.25	0.	-11.55	31.89	0.860	5.	18	6
26212 CC1626	RESIDUA	50.	1.00	0.224 0.22	42.9	3.26	1.38	1.98	26.02	0.	0.	32.64	0.880	5.	19	5
26212 CC1626	RESIDUA	50.	3.46	0.354 0.22	61.3	4.65	1.98	2.58	47.53	0.	-23.81	32.92	0.887	-5.	12	8
26212 CC1622	RESIDUA	50.	1.00	0.235 0.22	43.4	3.29	1.40	1.98	25.65	0.	0.	32.31	0.871	6.	19	5
26212 CC1622	RESIDUA	50.	3.11	0.362 0.22	62.5	4.74	2.02	2.55	43.34	0.	-20.45	32.21	0.868	-3.	13	7
26212 CC1222	RESIDUA	50.	1.00	0.238 0.22	42.3	3.21	1.37	1.96	25.57	0.	0.	32.12	0.866	7.	21	5

ECONOMIC SENSITIVITY REPORT FOR SELECTED PROCESS-ECS MATCHES

SENSITIVITY OF CAPITAL COST — PERCENT OF ORIGINAL COST 100

**********LEVELIZED ANNUAL ENERGY COSTS($ MILLIONS)**********

ENERGY CONV SYSTEM	SITE-FUEL	POWER REQD MW	POWER GEN/ REQD	FESRPOWER /HEAT RATIO	CAPITAL COST * 10**6	CAPITAL + INSNC	TAXES	OANDM	FUEL	PURCHD ELEC	REVNUE	TOTAL	NORML	PRESNT WORTH 15%	ROI %	GROSS PAY BACK
26212 CC0822	RESIDUA	50.	1.00	0.255 0.22	38.4	2.91	1.24	1.86	25.01	0.	0.	31.02	0.836	12.	28	4
26212 CC0822	RESIDUA	50.	2.46	0.367 0.22	51.0	3.87	1.65	2.26	36.32	0.	-14.17	29.93	0.807	9.	20	5
26212 STIG15	RESIDUA	50.	1.00	0.084 0.22	43.7	3.24	1.38	2.32	30.73	0.	0.	37.67	1.015	-11.	2	20
26212 STIG15	RESIDUA	50.	82.46	0.171 0.22	1012.1	74.97	31.87	62.101	128.33	0.	-790.16	507.10	13.667	-1940.	0	58
26212 STIG10	RESIDUA	50.	1.00	0.120 0.22	42.2	3.13	1.33	2.14	29.51	0.	0.	36.11	0.973	-5.	9	9
26212 STIG10	RESIDUA	50.	7.63	0.218 0.22	115.5	8.56	3.64	6.13	110.70	0.	-64.27	64.76	1.745	-130.	0	60
26212 STIG1S	RESIDUA	50.	1.00	0.137 0.22	41.5	3.07	1.31	2.15	28.95	0.	0.	35.47	0.956	-3.	11	8
26212 STIG1S	RESIDUA	50.	4.47	0.228 0.22	75.4	5.58	2.37	4.21	69.58	0.	-33.70	48.05	1.295	-58.	0	64
26212 DEADV3	RESIDUA	50.	1.00	0.168 0.22	60.4	4.47	1.90	2.38	27.92	0.	0.	36.67	0.988	-15.	6	12
26212 DEADV3	RESIDUA	50.	5.09	0.286 0.22	175.2	12.98	5.52	5.48	71.56	0.	-39.70	55.84	1.505	-129.	0	78
26212 DEHTPM	RESIDUA	50.	1.00	0.250 0.22	59.3	4.39	1.87	2.41	25.16	0.	0.	33.83	0.912	-6.	11	8
26212 DEHTPM	RESIDUA	50.	2.15	0.345 0.22	92.8	6.88	2.92	3.34	34.23	0.	-11.13	36.25	0.977	-29.	6	12
26212 DESOA3	DISTILL	50.	1.00	0.142 0.22	68.6	5.08	2.16	2.59	35.29	0.	0.	45.12	1.216	-46.	0	65
26212 DESOA3	DISTILL	50.	5.94	0.248 0.22	248.5	18.41	7.83	7.37	105.16	0.	-47.92	90.84	2.448	-273.	0	61
26212 DESOA3	RESIDUA	50.	1.00	0.142 0.22	68.6	5.08	2.16	2.59	28.79	0.	0.	38.62	1.041	-25.	1	22
26212 DESOA3	RESIDUA	50.	5.94	0.248 0.22	248.5	18.41	7.83	7.37	85.79	0.	-47.92	71.46	1.926	-212.	0	68
26212 GTSOAD	DISTILL	50.	1.00	0.242 0.22	36.4	2.70	1.15	1.70	31.18	0.	0.	36.72	0.990	-4.	7	11
26212 GTSOAD	DISTILL	50.	1.78	0.312 0.22	41.6	3.09	1.31	1.85	39.04	0.	-7.60	37.68	1.016	-10.	2	22
26212 GTRA08	DISTILL	50.	1.00	0.223 0.22	44.7	3.31	1.41	1.90	31.97	0.	0.	38.59	1.040	-14.	0	999
26212 GTRA08	DISTILL	50.	2.99	0.338 0.22	69.7	5.16	2.20	2.61	53.47	0.	-19.28	44.17	1.190	-43.	0	68
26212 GTRA12	DISTILL	50.	1.00	0.228 0.22	45.2	3.34	1.42	1.91	31.73	0.	0.	38.41	1.035	-14.	0	999
26212 GTRA12	DISTILL	50.	2.91	0.345 0.22	69.2	5.05	2.15	2.57	51.94	0.	-18.52	43.18	1.164	-39.	0	72
26212 GTRA16	DISTILL	50.	1.00	0.230 0.22	46.2	3.43	1.46	1.94	31.66	0.	0.	38.48	1.037	-14.	0	999
26212 GTRA16	DISTILL	50.	2.71	0.341 0.22	68.5	5.07	2.16	2.57	49.62	0.	-16.59	42.83	1.154	-39.	0	76
26212 GTR208	DISTILL	50.	1.00	0.230 0.22	39.9	2.95	1.26	1.79	31.68	0.	0.	37.67	1.015	-9.	1	23
26212 GTR208	DISTILL	50.	2.24	0.321 0.22	51.6	3.82	1.63	2.13	44.72	0.	-12.02	40.27	1.085	-23.	0	85
26212 GTR212	DISTILL	50.	1.00	0.229 0.22	40.7	3.01	1.28	1.81	31.71	0.	0.	37.81	1.019	-10.	0	27
26212 GTR212	DISTILL	50.	2.40	0.327 0.22	54.8	4.06	1.72	2.21	46.51	0.	-13.59	40.91	1.102	-26.	0	78
26212 GTR216	DISTILL	50.	1.00	0.233 0.22	41.8	3.10	1.32	1.83	31.53	0.	0.	37.77	1.018	-10.	1	24
26212 GTR216	DISTILL	50.	2.46	0.336 0.22	58.1	4.30	1.83	2.30	46.70	0.	-14.19	40.94	1.103	-28.	0	87
26212 GTRW08	DISTILL	50.	1.00	0.187 0.22	44.2	3.27	1.39	1.90	33.42	0.	0.	39.98	1.078	-18.	0	71
26212 GTRW08	DISTILL	50.	3.56	0.297 0.22	71.3	5.28	2.24	2.69	64.83	0.	-24.84	50.21	1.353	-63.	0	60
26212 GTRW12	DISTILL	50.	1.00	0.201 0.22	44.2	3.27	1.39	1.89	32.85	0.	0.	39.41	1.062	-16.	0	85
26212 GTRW12	DISTILL	50.	3.61	0.320 0.22	71.7	5.31	2.26	2.70	63.42	0.	-25.34	48.35	1.303	-57.	0	62
26212 GTRW16	DISTILL	50.	1.00	0.204 0.22	44.9	3.33	1.41	1.91	32.72	0.	0.	39.38	1.061	-17.	0	91
26212 GTRW16	DISTILL	50.	3.34	0.319 0.22	63.7	4.72	2.01	2.49	59.82	0.	-22.71	46.32	1.248	-47.	0	62
26212 GTR308	DISTILL	50.	1.00	0.174 0.22	43.0	3.19	1.36	1.88	33.99	0.	0.	40.41	1.089	-19.	0	66
26212 GTR308	DISTILL	50.	2.72	0.257 0.22	54.9	4.07	1.73	2.25	56.05	0.	-16.67	47.42	1.278	-47.	0	59
26212 GTR312	DISTILL	50.	1.00	0.208 0.22	42.9	3.18	1.35	1.86	32.55	0.	0.	38.95	1.050	-14.	0	120
26212 GTR312	DISTILL	50.	2.90	0.314 0.22	56.0	4.15	1.76	2.27	54.25	0.	-18.46	43.97	1.185	-36.	0	63
26212 GTR316	DISTILL	50.	1.00	0.207 0.22	43.8	3.24	1.38	1.89	32.60	0.	0.	39.11	1.054	-15.	0	106
26212 GTR316	DISTILL	50.	2.86	0.311 0.22	57.3	4.24	1.80	2.31	53.88	0.	-18.02	44.21	1.191	-38.	0	63
26212 ECPADS	DISTILL	50.	1.00	0.158 0.22	57.1	4.23	1.80	6.71	34.61	0.	0.	47.34	1.276	-48.	0	62

ECONOMIC SENSITIVITY REPORT FOR SELECTED PROCESS-ECS MATCHES

SENSITIVITY OF CAPITAL COST — PERCENT OF ORIGINAL COST 100

**********LEVELIZED ANNUAL ENERGY COSTS($ MILLIONS)**********

ENERGY CONV SYSTEM		SITE-FUEL	POWER REQD MW	POWER GEN/ REQD	FESRPOWER /HEAT RATIO	CAPITAL COST *10**6	CAPITAL + INSNC	TAXES	OANDM	FUEL	PURCHD ELEC	REVNUE	TOTAL	NORML	PRESNT WORTH 15%	ROI %	GROSS PAY BACK	
26212	FCMCDS	DISTILL	50.	1.00	0.212	0.22	59.1	4.38	1.86	6.39	32.41	0.	0.	45.05	1.214	-42.	0	66
26212	FCMCDS	DISTILL	50.	4.98	0.360	0.22	164.2	12.16	5.17	26.14	77.17	0.	-38.56	82.08	2.212	-209.	0	62
26214	ONOCGN	RESIDUA	29.	0.	0.	0.16	21.5	1.59	0.68	0.96	14.02	9.38	0.	26.63	1.000	0.	0	0
26214	STM141	RESIDUA	29.	1.00	0.251	0.16	24.4	1.85	0.79	1.40	17.58	0.	0.	21.62	0.812	14.	73	2
26214	STM141	RESIDUA	29.	1.35	0.296	0.16	24.2	1.84	0.78	1.17	18.81	0.	-1.94	20.65	0.776	17.	91	2
26214	STM141	COAL-FG	29.	1.00	0.251	0.16	48.8	3.70	1.57	3.00	10.21	0.	0.	18.48	0.694	12.	22	5
26214	STM141	COAL-FG	29.	1.35	0.296	0.16	52.2	3.96	1.69	2.75	10.92	0.	-1.94	17.38	0.653	14.	22	5
26214	STM141	COAL-AF	29.	1.00	0.251	0.16	43.8	3.31	1.41	2.94	10.21	0.	0.	17.86	0.671	16.	26	4
26214	STM141	COAL-AF	29.	1.35	0.296	0.16	37.0	2.81	1.20	2.50	10.92	0.	-1.94	15.49	0.582	27.	40	3
26214	STM088	RESIDUA	29.	0.99	0.249	0.16	21.9	1.66	0.71	1.10	17.55	0.07	0.	21.10	0.792	17.	999	1
26214	STM088	COAL-FG	29.	0.99	0.249	0.16	48.8	3.71	1.58	2.58	10.19	0.07	0.	18.13	0.681	13.	22	5
26214	STM088	COAL-AF	29.	0.99	0.249	0.16	35.6	2.70	1.15	2.42	10.19	0.07	0.	16.54	0.621	24.	40	3
26214	PFBSTM	COAL-PF	29.	1.00	0.246	0.16	51.1	3.88	1.65	3.70	10.27	0.	0.	19.49	0.732	8.	19	5
26214	PFBSTM	COAL-PF	29.	2.14	0.362	0.16	52.2	3.96	1.68	4.26	12.71	0.	-6.44	16.18	0.607	17.	24	5
26214	TISTMT	RESIDUA	29.	1.00	0.247	0.16	73.7	5.59	2.38	2.67	17.67	0.	0.	28.31	1.063	-31.	2	21
26214	TISTMT	RESIDUA	29.	1.82	0.338	0.16	101.2	7.68	3.26	3.39	20.67	0.	-4.62	30.39	1.141	-50.	0	28
26214	TISTMT	COAL	29.	1.00	0.247	0.16	99.7	7.57	3.22	4.27	10.26	0.	0.	25.32	0.951	-34.	6	12
26214	TISTMT	COAL	29.	2.85	0.403	0.16	169.3	12.85	5.46	5.79	14.18	0.	-10.40	27.88	1.047	-75.	4	15
26214	TIHRSG	RESIDUA	29.	1.00	0.084	0.16	98.0	7.26	3.09	3.14	21.49	0.	0.	34.98	1.314	-62.	0	91
26214	TIHRSG	RESIDUA	29.	0.86	0.157	0.16	88.9	6.58	2.80	2.92	18.46	1.32	0.	32.08	1.205	-49.	0	999
26214	TIHRSG	COAL	29.	1.00	0.183	0.16	131.9	10.01	4.25	4.97	11.14	0.	0.	30.37	1.140	-65.	2	21
26214	TIHRSG	COAL	29.	1.34	0.215	0.16	149.5	11.35	4.82	5.07	12.17	0.	-1.93	31.48	1.182	-77.	1	23
26214	STIRL	DISTILL	29.	1.00	0.178	0.16	38.4	2.84	1.21	1.74	23.64	0.	0.	29.43	1.105	-17.	0	68
26214	STIRL	DISTILL	29.	2.08	0.259	0.16	50.5	3.74	1.59	2.09	30.62	0.	-6.08	31.97	1.200	-30.	0	65
26214	STIRL	RESIDUA	29.	1.00	0.178	0.16	38.4	2.85	1.21	1.74	19.29	0.	0.	25.08	0.942	-3.	11	8
26214	STIRL	RESIDUA	29.	2.08	0.259	0.16	50.6	3.75	1.59	2.09	24.98	0.	-6.08	26.33	0.989	-13.	6	12
26214	STIRL	COAL	29.	1.00	0.178	0.16	64.1	4.74	2.02	3.38	11.20	0.	0.	21.34	0.801	-4.	13	7
26214	STIRL	COAL	29.	3.26	0.304	0.16	117.4	8.70	3.70	4.67	18.09	0.	-12.69	22.46	0.844	-32.	8	10
26214	HEGT85	COAL-AF	29.	1.00	0.057	0.16	82.1	6.23	2.65	3.79	12.85	0.	0.	25.52	0.958	-26.	6	12
26214	HEGT85	COAL-AF	29.	16.7[illegible]	9.130	0.16	487.4	36.98	15.72	18.23	86.96	0.	-88.54	69.35	2.605	-358.	0	270
26214	HEGT60	COAL-AF	29.	1.00	0.075	0.16	79.3	6.02	2.56	3.73	12.60	0.	0.	24.92	0.936	-23.	7	11
26214	HEGT60	COAL-AF	29.	5.49	0.147	0.16	179.2	13.60	5.78	7.23	32.65	0.	-25.28	33.98	1.276	-99.	0	28
26214	HEGT00	COAL-AF	29.	1.00	0.091	0.16	75.6	5.73	2.44	3.67	12.38	0.	0.	24.23	0.910	-19.	8	10
26214	HEGT00	COAL-AF	29.	2.22	0.136	0.16	98.3	7.46	3.17	4.25	17.57	0.	-6.87	25.58	0.961	-34.	6	12
26214	FCMCCL	COAL	29.	1.00	-0.122	0.16	73.4	5.71	2.43	4.02	15.29	0.	0.	27.45	1.031	-29.	3	16
26214	FCMCCL	COAL	29.	3.96	0.234	0.16	119.0	9.25	3.93	6.89	22.87	0.	-16.65	26.29	0.987	-48.	5	13
26214	FCSTCL	COAL	29.	1.00	-0.114	0.16	71.2	5.54	2.35	3.92	15.18	0.	0.	26.99	1.014	-26.	4	15
26214	FCSTCL	COAL	29.	6.13	0.337	0.16	145.3	11.30	4.80	8.45	27.71	0.	-28.87	23.39	0.879	-52.	7	11
26214	IGGTST	COAL	29.	1.00	-0.159	0.16	68.4	5.31	2.26	3.32	15.79	0.	0.	26.69	1.002	-24.	5	14
26214	IGGTST	COAL	29.	4.28	0.183	0.16	115.4	8.97	3.81	3.87	25.83	0.	-18.46	24.02	0.902	-39.	7	11
26214	GTSOAR	RESIDUA	29.	1.00	0.180	0.16	31.4	2.33	0.99	1.49	19.25	0.	0.	24.06	0.903	3.	20	5
26214	GTSOAR	RESIDUA	29.	2.70	0.288	0.16	40.0	2.96	1.26	1.76	28.11	0.	-9.54	24.55	0.922	-2.	12	7
26214	GTACOA	RESIDUA	29.	1.00	0.214	0.16	29.5	2.19	0.93	1.44	18.44	0.	0.	23.00	0.864	8.	30	4

ECONOMIC SENSITIVITY REPORT FOR SELECTED PROCESS-ECS MATCHES

SENSITIVITY OF CAPITAL COST — PERCENT OF ORIGINAL COST 100

**********LEVELIZED ANNUAL ENERGY COSTS($ MILLIONS)**********

ENERGY CONV SYSTEM		SITE-FUEL	POWER REQD MW	POWER GEN/ REQD	FESRPOWER /HEAT RATIO	CAPITAL COST *10**6	CAPITAL + INSNC	TAXES	OANDM	FUEL	PURCHD ELEC	REVNUE	TOTAL	NORML	PRESNT WORTH 15%	ROI %	GROSS PAY BACK	
26214	GTAC12	RESIDUA	29.	1.00	0.211	0.16	30.2	2.24	0.95	1.46	18.52	0.	0.	23.17	0.870	7.	27	4
26214	GTAC12	RESIDUA	29.	2.59	0.333	0.16	35.6	2.64	1.12	1.64	25.67	0.	-8.94	22.12	0.831	7.	23	5
26214	GTAC16	RESIDUA	29.	1.00	0.207	0.16	31.1	2.30	0.98	1.48	18.62	0.	0.	23.37	0.878	6.	21	4
26214	GTAC16	RESIDUA	29.	2.94	0.341	0.16	39.8	2.95	1.25	1.75	27.56	0.	-10.94	22.58	0.848	4.	18	6
26214	GTWC16	RESIDUA	29.	1.00	0.188	0.16	30.9	2.29	0.97	1.48	19.05	0.	0.	23.79	0.893	4.	22	5
26214	GTWC16	RESIDUA	29.	3.07	0.315	0.16	38.2	2.83	1.20	1.73	29.45	0.	-11.64	23.58	0.886	2.	16	6
26214	CC1626	RESIDUA	29.	1.00	0.187	0.16	31.1	2.36	1.00	1.58	19.09	0.	0.	24.04	0.903	3.	20	5
26214	CC1626	RESIDUA	29.	4.93	0.356	0.16	51.7	3.92	1.67	2.26	39.00	0.	-22.09	24.76	0.930	-9.	9	9
26214	CC1622	RESIDUA	29.	1.00	0.196	0.16	31.1	2.36	1.00	1.58	18.88	0.	0.	23.82	0.894	4.	21	5
26214	CC1622	RESIDUA	29.	4.43	0.364	0.16	52.3	3.97	1.69	2.23	35.55	0.	-19.32	24.13	0.906	-7.	10	8
26214	CC1222	RESIDUA	29.	1.00	0.198	0.16	30.5	2.31	0.98	1.57	18.83	0.	0.	23.70	0.890	5.	22	5
26214	CC1222	RESIDUA	29.	4.41	0.367	0.16	49.7	3.77	1.60	2.19	35.27	0.	-19.21	23.63	0.887	-4.	12	8
26214	CC0822	RESIDUA	29.	1.00	0.212	0.16	30.3	2.30	0.98	1.56	18.50	0.	0.	23.34	0.877	6.	24	4
26214	CC0822	RESIDUA	29.	3.52	0.370	0.16	40.3	3.06	1.30	1.92	29.80	0.	-14.18	21.91	0.823	5.	19	5
26214	STIG15	RESIDUA	29.	1.00	0.070	0.16	34.5	2.55	1.09	1.82	21.84	0.	0.	27.30	1.025	-8.	0	999
26214	STIG15	RESIDUA	29.	115.52	0.171	0.16	826.8	61.24	26.04	50.80	916.77	0.	-644.26	410.57	15.419	-1584.	0	58
26214	STIG10	RESIDUA	29.	1.00	0.100	0.16	30.3	2.25	0.96	1.63	21.13	0.	0.	25.97	0.975	-2.	10	9
26214	STIG10	RESIDUA	29.	10.68	0.218	0.16	97.2	7.20	3.06	5.18	89.95	0.	-54.47	50.92	1.913	-112.	0	60
26214	STIG1S	RESIDUA	29.	1.00	0.114	0.16	29.9	2.22	0.94	1.64	20.80	0.	0.	25.60	0.961	-1.	13	7
26214	STIG1S	RESIDUA	29.	6.27	0.228	0.16	59.4	4.40	1.87	3.48	56.54	0.	-29.63	36.65	1.377	-49.	0	61
26214	DEADV3	RESIDUA	29.	1.00	0.139	0.16	40.5	3.00	1.27	1.77	20.21	0.	0.	26.25	0.986	-8.	6	12
26214	DEADV3	RESIDUA	29.	7.13	0.286	0.16	141.9	10.51	4.47	4.56	58.14	0.	-34.51	43.18	1.622	-108.	0	73
26214	DEHTPM	RESIDUA	29.	1.00	0.207	0.16	41.8	3.10	1.32	1.87	18.61	0.	0.	24.89	0.935	-4.	11	8
26214	DEHTPM	RESIDUA	29.	3.01	0.345	0.16	74.7	5.53	2.35	2.81	27.82	0.	-11.30	27.21	1.022	-27.	4	15
26214	DESOA3	DISTILL	29.	1.00	0.118	0.16	45.2	3.35	1.42	1.90	25.39	0.	0.	32.06	1.204	-28.	0	62
26214	DESOA3	DISTILL	29.	8.32	0.248	0.16	201.6	14.93	6.35	6.10	85.44	0.	-41.19	71.63	2.690	-225.	0	61
26214	DESOA3	RESIDUA	29.	1.00	0.118	0.16	45.2	3.35	1.42	1.90	20.71	0.	0.	27.38	1.028	-14.	2	21
26214	DESOA3	RESIDUA	29.	8.32	0.248	0.16	201.6	14.93	6.35	6.10	69.70	0.	-41.19	55.89	2.099	-176.	0	67
26214	GTSOAD	DISTILL	29.	1.00	0.200	0.16	29.0	2.15	0.91	1.43	23.00	0.	0.	27.49	1.032	-6.	0	95
26214	GTSOAD	DISTILL	29.	2.50	0.312	0.16	32.0	2.37	1.01	1.55	31.72	0.	-8.43	28.22	1.060	-10.	0	71
26214	GTRA08	DISTILL	29.	1.00	0.184	0.16	32.3	2.39	1.02	1.51	23.46	0.	0.	28.38	1.066	-11.	0	69
26214	GTRA08	DISTILL	29.	4.18	0.338	0.16	51.8	3.84	1.63	2.10	43.45	0.	-17.92	33.10	1.243	-35.	0	63
26214	GTRA12	DISTILL	29.	1.00	0.189	0.16	32.5	2.41	1.02	1.51	23.32	0.	0.	28.27	1.062	-10.	0	71
26214	GTRA12	DISTILL	29.	4.08	0.345	0.16	52.3	3.87	1.65	2.10	42.20	0.	-17.30	32.51	1.221	-33.	0	64
26214	GTRA16	DISTILL	29.	1.00	0.191	0.16	33.3	2.47	1.05	1.53	23.28	0.	0.	28.33	1.064	-11.	0	73
26214	GTRA16	DISTILL	29.	3.80	0.341	0.16	52.4	3.88	1.65	2.10	40.32	0.	-15.73	32.21	1.210	-32.	0	65
26214	GTR208	DISTILL	29.	1.00	0.190	0.16	31.3	2.32	0.98	1.48	23.29	0.	0.	28.08	1.054	-9.	0	72
26214	GTR208	DISTILL	29.	3.14	0.321	0.16	42.7	3.17	1.35	1.84	36.33	0.	-12.02	30.66	1.151	-23.	0	65
26214	GTR212	DISTILL	29.	1.00	0.190	0.16	31.8	2.36	1.00	1.50	23.31	0.	0.	28.17	1.058	-10.	0	72
26214	GTR212	DISTILL	29.	3.36	0.327	0.16	45.4	3.36	1.43	1.91	37.79	0.	-13.30	31.19	1.171	-26.	0	61
26214	GTR216	DISTILL	29.	1.00	0.193	0.16	32.5	2.41	1.02	1.51	23.20	0.	0.	28.14	1.057	-10.	0	75
26214	GTR216	DISTILL	29.	3.45	0.336	0.16	48.2	3.57	1.52	1.98	37.94	0.	-13.78	31.22	1.173	-27.	0	66
26214	GTRW08	DISTILL	29.	1.00	0.155	0.16	32.2	2.38	1.01	1.51	24.30	0.	0.	29.21	1.097	-13.	0	62

ECONOMIC SENSITIVITY REPORT FOR SELECTED PROCESS-ECS MATCHES

SENSITIVITY OF CAPITAL COST — PERCENT OF ORIGINAL COST 100

**********LEVELIZED ANNUAL ENERGY COSTS($ MILLIONS)**********

ENERGY CONV SYSTEM	SITE-FUEL	POWER REQD MW	POWER GEN/ REQD	FESRPOWER /HEAT RATIO	CAPITAL COST *10**6	CAPITAL + INSNC	TAXES	OANDM	FUEL	PURCHD ELEC	REVNUE	TOTAL	NORML	PRESNT WORTH 15%	ROI %	CRDTS BRK
26214 GTRW12	DISTILL	29.	1.00	0.167	0.16	32.2	2.38	1.01	1.50	23.97	0.	0.	28.87	1.084	-12.	0	63
26214 GTRW12	DISTILL	29.	5.06	0.320	0.16	54.0	4.00	1.70	2.18	51.53	0.	-22.85	36.57	1.374	-46.	0	60
26214 GTRW16	DISTILL	29.	1.00	0.169	0.16	32.7	2.42	1.03	1.52	23.90	0.	0.	28.87	1.084	-12.	0	61
26214 GTRW16	DISTILL	29.	4.68	0.319	0.16	53.5	3.96	1.68	2.16	48.60	0.	-20.71	35.69	1.340	-43.	0	60
26214 GTR308	DISTILL	29.	1.00	0.144	0.16	31.4	2.32	0.99	1.50	24.63	0.	0.	29.44	1.106	-13.	0	61
26214 GTR308	DISTILL	29.	3.81	0.257	0.16	43.6	3.23	1.37	1.90	45.54	0.	-15.80	36.24	1.361	-41.	0	58
26214 GTR312	DISTILL	29.	1.00	0.173	0.16	31.3	2.32	0.99	1.49	23.80	0.	0.	28.59	1.074	-11.	0	61
26214 GTR312	DISTILL	29.	4.07	0.314	0.16	46.7	3.46	1.47	1.97	44.08	0.	-17.25	33.73	1.267	-34.	0	60
26214 GTR316	DISTILL	29.	1.00	0.172	0.16	32.0	2.37	1.01	1.50	23.83	0.	0.	28.70	1.078	-11.	0	61
26214 GTR316	DISTILL	29.	4.00	0.311	0.16	47.9	3.55	1.51	2.00	43.77	0.	-16.90	33.93	1.274	-35.	0	60
26214 FCPADS	DISTILL	29.	1.00	0.131	0.16	38.8	2.86	1.21	4.23	24.99	0.	0.	33.29	1.250	-29.	0	61
26214 FCPADS	DISTILL	29.	8.81	0.279	0.16	153.7	11.39	4.84	28.29	85.94	0.	-43.94	86.51	3.249	-253.	0	60
26214 FCMCDS	DISTILL	29.	1.00	0.176	0.16	39.8	2.95	1.25	4.04	23.72	0.	0.	31.96	1.200	-26.	0	63
26214 FCMCDS	DISTILL	29.	6.97	0.360	0.16	133.2	9.87	4.19	21.30	62.70	0.	-33.58	64.48	2.422	-174.	0	62
26216 ONOCGN	RESIDUA	20.	0.	0.	0.22	12.4	0.92	0.39	0.65	11.04	6.47	0.	19.46	1.000	0.	0	0
26216 STM141	RESIDUA	20.	0.91	0.210	0.22	13.1	0.99	0.42	0.79	13.26	0.61	0.	16.07	0.826	10.	157	1
26216 STM141	COAL-FG	20.	0.91	0.210	0.22	27.1	2.06	0.87	1.66	7.70	0.61	0.	12.69	0.663	13.	29	4
26216 STM141	COAL-AF	20.	0.91	0.210	0.22	19.5	1.48	0.63	1.49	7.70	0.61	0.	11.91	0.612	20.	51	2
26216 STM088	RESIDUA	20.	0.65	0.151	0.22	13.1	0.99	0.42	0.78	12.64	2.24	0.	17.07	0.877	7.	114	1
26216 STM088	COAL-FG	20.	0.65	0.151	0.22	25.1	1.90	0.81	1.56	7.34	2.24	0.	13.85	0.712	11.	28	4
26216 STM088	COAL-AF	20.	0.65	0.151	0.22	18.5	1.40	0.60	1.44	7.34	2.24	0.	13.02	0.669	17.	51	2
26216 PFBSTM	COAL-PF	20.	1.00	0.227	0.22	34.3	2.60	1.11	2.59	7.88	0.	0.	14.18	0.729	6.	19	5
26216 PFBSTM	COAL-PF	20.	1.48	0.285	0.22	32.6	2.48	1.05	2.51	8.60	0.	-1.88	12.76	0.656	11.	23	5
26216 TISTMT	RESIDUA	20.	1.00	0.228	0.22	51.7	3.92	1.67	1.97	13.56	0.	0.	21.12	1.085	-24.	1	25
26216 TISTMT	RESIDUA	20.	1.99	0.331	0.22	79.2	6.01	2.56	2.49	16.05	0.	-3.83	23.27	1.196	-44.	0	999
26216 TISTMT	COAL	20.	1.00	0.228	0.22	72.2	5.48	2.33	3.11	7.87	0.	0.	18.79	0.966	-27.	6	12
26216 TISTMT	COAL	20.	1.99	0.331	0.22	100.3	7.61	3.24	3.56	9.32	0.	-3.83	19.90	1.023	-44.	4	14
26216 TIHRSG	RESIDUA	20.	0.98	0.165	0.22	69.9	5.18	2.20	2.11	14.53	0.13	0.	24.14	1.240	-42.	0	999
26216 TIHRSG	COAL	20.	0.98	0.165	0.22	89.6	6.80	2.89	3.12	8.44	0.13	0.	21.37	1.098	-43.	3	18
26216 STIRL	DISTILL	20.	1.00	0.164	0.22	21.6	1.60	0.68	1.18	17.98	0.	0.	21.43	1.101	-11.	0	63
26216 STIRL	DISTILL	20.	2.38	0.259	0.22	34.4	2.54	1.08	1.34	24.10	0.	-5.34	23.73	1.219	-24.	0	61
26216 STIRL	RESIDUA	20.	1.00	0.164	0.22	21.6	1.60	0.68	1.18	14.67	0.	0.	18.12	0.931	-0.	14	7
26216 STIRL	RESIDUA	20.	2.38	0.259	0.22	34.4	2.55	1.08	1.34	19.66	0.	-5.34	19.30	0.992	-10.	5	13
26216 STIRL	COAL	20.	1.00	0.164	0.22	41.0	3.04	1.29	2.32	8.52	0.	0.	15.17	0.779	-0.	14	7
26216 STIRL	COAL	20.	2.38	0.259	0.22	60.5	4.48	1.91	2.64	11.42	0.	-5.34	15.11	0.776	-9.	11	8
26216 HEGT85	COAL-AF	20.	1.60	0.053	0.22	59.3	4.50	1.91	2.73	9.66	0.	0.	18.79	0.966	-21.	6	12
26216 HEGT85	COAL-AF	20.	12.21	0.125	0.22	245.2	18.61	7.91	9.43	46.07	0.	-43.51	38.51	1.979	-172.	0	999
26216 HEGT60	COAL-AF	20.	1.00	0.069	0.22	56.9	4.32	1.84	2.67	9.49	0.	0.	18.31	0.941	-18.	7	11
26216 HEGT60	COAL-AF	20.	4.01	0.131	0.22	110.3	8.37	3.56	4.33	18.74	0.	-11.68	23.32	1.199	-59.	1	24
26216 HEGT00	COAL-AF	20.	1.00	0.084	0.22	53.0	4.02	1.71	2.56	9.34	0.	0.	17.62	0.906	-14.	8	10
26216 HEGT00	COAL-AF	20.	1.62	0.111	0.22	60.5	4.59	1.95	2.57	11.15	0.	-2.41	17.85	0.917	-18.	7	11
26216 FCMCCL	COAL	20.	1.00	0.198	0.22	50.4	3.92	1.67	2.81	8.17	0.	0.	16.57	0.851	-10.	10	9
26216 FCMCCL	COAL	20.	2.89	0.336	0.22	72.2	5.61	2.39	3.96	11.51	0.	-7.33	16.13	0.829	-19.	9	10

ECONOMIC SENSITIVITY REPORT FOR SELECTED PROCESS-ECS MATCHES

SENSITIVITY OF CAPITAL COST — PERCENT OF ORIGINAL COST 100

ENERGY CONV SYSTEM	SITE-FUEL	POWER REQD MW	POWER GEN/ REQD	FESRPOWER /HEAT RATIO	CAPITAL COST *10**6	CAPITAL + INSNC	TAXES	OANDM	FUEL	PURCHD ELEC	REVNUE	TOTAL	NORML	PRESNT WORTH 15%	ROI %	COSTS [illegible]
**********LEVELIZED ANNUAL ENERGY COSTS($ MILLIONS)**********																
26216 FCSTCL	COAL	20.	4.35	0.399 0.22	67.0	6.76	2.88	4.82	13.76	0.	-13.01	15.21	0.781	-24.	9	10
26216 IGGTST	COAL	20.	1.00	0.163 0.22	47.9	3.73	1.58	2.40	8.53	0.	0.	16.25	0.835	-8.	11	8
26216 IGGTST	COAL	20.	3.02	0.281 0.22	67.5	5.25	2.23	2.48	12.82	0.	-7.84	14.95	0.768	-13.	10	8
26216 GTSOAR	RESIDUA	20.	1.00	0.166 0.22	18.0	1.33	0.57	1.03	14.64	0.	0.	17.57	0.903	3.	24	4
26216 GTSOAR	RESIDUA	20.	3.08	0.288 0.22	26.1	1.93	0.82	1.07	22.12	0.	-8.06	17.89	0.919	-2.	12	7
26216 GTAC08	RESIDUA	20.	1.00	0.198 0.22	16.6	1.23	0.52	0.99	14.09	0.	0.	16.82	0.864	6.	38	3
26216 GTAC08	RESIDUA	20.	2.36	0.310 0.22	20.3	1.50	0.64	0.90	18.23	0.	-5.28	15.99	0.822	7.	29	4
26216 GTAC12	RESIDUA	20.	1.00	0.194 0.22	17.0	1.26	0.53	1.00	14.14	0.	0.	16.93	0.870	6.	34	3
26216 GTAC12	RESIDUA	20.	2.96	0.333 0.22	24.1	1.79	0.76	1.01	20.21	0.	-7.59	16.18	0.831	5.	21	5
26216 GTAC16	RESIDUA	20.	1.00	0.191 0.22	17.6	1.30	0.55	1.01	14.21	0.	0.	17.07	0.877	5.	30	4
26216 GTAC16	RESIDUA	20.	3.36	0.341 0.22	27.6	2.05	0.87	1.11	21.69	0.	-9.16	16.56	0.851	2.	17	6
26216 GTWC16	RESIDUA	20.	1.00	0.174 0.22	17.7	1.31	0.56	1.02	14.51	0.	0.	17.39	0.893	4.	27	4
26216 GTWC16	RESIDUA	20.	3.50	0.315 0.22	26.7	1.98	0.84	1.09	23.18	0.	-9.71	17.39	0.893	-0.	14	7
26216 CC1626	RESIDUA	20.	1.00	0.171 0.22	17.8	1.35	0.57	1.12	14.55	0.	0.	17.59	0.904	3.	23	5
26216 CC1626	RESIDUA	20.	5.48	0.353 0.22	35.7	2.71	1.15	1.50	30.28	0.	-17.40	18.24	0.937	-8.	9	10
26216 CC1622	RESIDUA	20.	1.00	0.180 0.22	17.7	1.34	0.57	1.11	14.40	0.	0.	17.42	0.895	4.	25	4
26216 CC1622	RESIDUA	20.	4.93	0.361 0.22	35.6	2.70	1.15	1.46	27.61	0.	-15.26	17.66	0.908	-6.	10	9
26216 CC1222	RESIDUA	20.	1.00	0.182 0.22	17.2	1.30	0.55	1.10	14.37	0.	0.	17.33	0.890	4.	27	4
26216 CC1222	RESIDUA	20.	4.91	0.364 0.22	33.7	2.56	1.09	1.43	27.38	0.	-15.16	17.30	0.889	-4.	12	8
26216 CC0822	RESIDUA	20.	1.00	0.195 0.22	17.2	1.30	0.55	1.10	14.14	0.	0.	17.10	0.879	5.	30	4
26216 CC0822	RESIDUA	20.	3.90	0.365 0.22	27.9	2.12	0.90	1.26	23.14	0.	-11.25	16.17	0.831	3.	17	6
26216 STIG15	RESIDUA	20.	1.00	0.064 0.22	22.1	1.64	0.70	1.31	16.43	0.	0.	20.07	1.031	-7.	0	999
26216 STIG15	RESIDUA	20.	131.85	0.171 0.22	651.1	48.23	20.50	39.96	721.66	0.	-507.70	322.65	16.579	-1252.	0	58
26216 STIG10	RESIDUA	20.	1.00	0.092 0.22	18.4	1.37	0.58	1.16	15.94	0.	0.	19.05	0.979	-2.	10	9
26216 STIG10	RESIDUA	20.	12.19	0.218 0.22	72.6	5.38	2.29	3.83	70.80	0.	-43.43	38.87	1.997	-89.	0	60
26216 STIG1S	RESIDUA	20.	1.00	0.105 0.22	18.1	1.34	0.57	1.16	15.72	0.	0.	18.80	0.966	-1.	12	7
26216 STIG1S	RESIDUA	20.	7.15	0.228 0.22	44.3	3.28	1.40	2.51	44.50	0.	-23.88	27.82	1.430	-41.	0	61
26216 DEADV3	RESIDUA	20.	1.00	0.128 0.22	24.3	1.80	0.77	1.24	15.30	0.	0.	19.11	0.982	-5.	7	11
26216 DEADV3	RESIDUA	20.	8.14	0.286 0.22	106.9	7.91	3.37	3.32	45.77	0.	-27.71	32.66	1.678	-66.	0	72
26216 DEHTPM	RESIDUA	20.	1.00	0.191 0.22	23.9	1.77	0.75	1.28	14.20	0.	0.	18.00	0.925	-1.	13	7
26216 DEHTPM	RESIDUA	20.	3.43	0.345 0.22	53.4	3.96	1.68	1.92	21.90	0.	-9.44	20.01	1.028	-21.	4	16
26216 DESOA3	DISTILL	20.	1.00	0.108 0.22	27.6	2.05	0.87	1.33	19.19	0.	0.	23.43	1.204	-20.	0	61
26216 DESOA3	DISTILL	20.	9.50	0.248 0.22	154.0	11.40	4.85	4.54	67.26	0.	-32.97	55.06	2.830	-178.	0	61
26216 DESOA3	RESIDUA	20.	1.00	0.108 0.22	27.6	2.05	0.87	1.33	15.65	0.	0.	19.90	1.022	-9.	2	20
26216 DESOA3	RESIDUA	20.	9.50	0.248 0.22	154.0	11.40	4.85	4.54	54.87	0.	-32.97	42.69	2.194	-139.	0	67
26216 GTSOAD	DISTILL	20.	1.00	0.185 0.22	16.1	1.19	0.51	0.98	17.54	0.	0.	20.22	1.039	-4.	0	66
26216 GTSOAD	DISTILL	20.	2.85	0.312 0.22	21.3	1.58	0.67	0.94	24.97	0.	-7.19	20.97	1.077	-9.	0	66
26216 GTRA08	DISTILL	20.	1.00	0.170 0.22	18.6	1.38	0.59	1.04	17.86	0.	0.	20.86	1.072	-7.	0	63
26216 GTRA08	DISTILL	20.	4.78	0.338 0.22	38.1	2.82	1.20	1.41	34.20	0.	-14.65	24.97	1.283	-29.	0	62
26216 GTRA12	DISTILL	20.	1.00	0.175 0.22	18.7	-1.39	0.59	1.04	17.76	0.	0.	20.78	1.068	-7.	0	64
26216 GTRA12	DISTILL	20.	4.65	0.345 0.22	36.2	2.68	1.14	1.36	33.22	0.	-14.17	24.23	1.245	-26.	0	63
26216 GTRA16	DISTILL	20.	1.00	0.176 0.22	19.3	1.43	0.61	1.06	17.73	0.	0.	20.83	1.070	-8.	0	65
26216 GTRA16	DISTILL	20.	4.33	0.341 0.22	36.4	2.69	1.15	1.35	31.74	0.	-12.93	24.00	1.233	-25.	0	64

ECONOMIC SENSITIVITY REPORT FOR SELECTED PROCESS-ECS MATCHES

SENSITIVITY OF CAPITAL COST — PERCENT OF ORIGINAL COST 100

**********LEVELIZED ANNUAL ENERGY COSTS($ MILLIONS)**********

ENERGY CONV SYSTEM	SITE-FUEL	POWER REQD MW	POWER GEN/ REQD	FESRPOWER /HEAT RATIO	CAPITAL COST *10**6	CAPITAL + INSNC	TAXES	OANDM	FUEL	PURCHD ELEC	REVNUE	TOTAL	NORML	PRESNT WORTH 15%	ROI %	GROSS PAY BACK
26216 GTR208	DISTILL	20.	3.58	0.321 0.22	28.3	2.10	0.89	1.13	28.60	0.	-10.01	22.71	1.167	-18.	0	63
26216 GTR212	DISTILL	20.	1.00	0.175 0.22	18.2	1.35	0.57	1.03	17.75	0.	0.	20.71	1.064	-7.	0	84
26216 GTR212	DISTILL	20.	3.64	0.327 0.22	30.6	2.27	0.96	1.20	29.74	0.	-11.02	23.15	1.190	-20.	0	63
26216 GTR216	DISTILL	20.	1.00	0.178 0.22	18.7	1.38	0.59	1.04	17.68	0.	0.	20.69	1.063	-7.	0	65
26216 GTR216	DISTILL	20.	3.94	0.336 0.22	32.8	2.43	1.03	1.25	29.87	0.	-11.40	23.18	1.191	-21.	0	65
26216 GTRW08	DISTILL	20.	1.00	0.143 0.22	18.6	1.38	0.59	1.05	18.44	0.	0.	21.45	1.102	-9.	0	60
26216 GTRW08	DISTILL	20.	5.69	0.297 0.22	37.9	2.81	1.19	1.43	41.46	0.	-18.21	28.69	1.474	-41.	0	59
26216 GTRW12	DISTILL	20.	1.00	0.154 0.22	18.6	1.38	0.59	1.04	18.21	0.	0.	21.21	1.090	-8.	0	61
26216 GTRW12	DISTILL	20.	5.78	0.320 0.22	38.1	2.82	1.20	1.44	40.57	0.	-18.53	27.49	1.413	-37.	0	60
26216 GTRW16	DISTILL	20.	1.00	0.156 0.22	19.0	1.41	0.60	1.05	18.16	0.	0.	21.22	1.090	-9.	0	61
26216 GTRW16	DISTILL	20.	5.34	0.319 0.22	37.7	2.79	1.19	1.41	38.26	0.	-16.85	26.80	1.377	-35.	0	60
26216 GTR308	DISTILL	20.	1.00	0.133 0.22	17.9	1.33	0.57	1.03	18.66	0.	0.	21.59	1.109	-9.	0	59
26216 GTR308	DISTILL	20.	4.35	0.257 0.22	31.2	2.31	0.98	1.24	35.85	0.	-12.99	27.39	1.408	-34.	0	58
26216 GTR312	DISTILL	20.	1.00	0.159 0.22	18.0	1.33	0.57	1.03	18.09	0.	0.	21.01	1.080	-7.	0	61
26216 GTR312	DISTILL	20.	4.64	0.314 0.22	31.9	2.36	1.01	1.25	34.70	0.	-14.13	25.19	1.294	-27.	0	60
26216 GTR316	DISTILL	20.	1.00	0.158 0.22	18.4	1.37	0.58	1.04	18.11	0.	0.	21.10	1.084	-8.	0	61
26216 GTR316	DISTILL	20.	4.57	0.311 0.22	32.9	2.44	1.04	1.28	34.46	0.	-13.85	25.36	1.303	-28.	0	60
26216 FCPADS	DISTILL	20.	1.00	0.121 0.22	23.0	1.70	0.72	2.90	18.91	0.	0.	24.24	1.245	-20.	0	60
26216 FCPADS	DISTILL	20.	10.06	0.279 0.22	116.5	8.63	3.67	21.96	67.65	0.	-35.14	66.76	3.430	-200.	0	60
26216 FCMCDS	DISTILL	20.	1.00	0.162 0.22	23.8	1.76	0.75	2.77	18.03	0.	0.	23.31	1.198	-18.	0	62
26216 FCMCDS	DISTILL	20.	7.96	0.360 0.22	99.9	7.40	3.15	16.44	49.36	0.	-26.99	49.36	2.536	-137.	0	62
26217 ONOCGN	RESIDUA	31.	0.	0. 0.58	5.8	0.43	0.18	0.43	6.58	10.12	0.	17.74	1.000	0.	0	0
26217 STM141	RESIDUA	31.	0.31	0.119 0.58	9.2	0.70	0.30	0.62	7.78	6.94	0.	16.35	0.921	3.	26	4
26217 STM141	COAL-FG	31.	0.31	0.119 0.58	18.6	1.41	0.60	1.22	4.52	6.94	0.	14.70	0.829	3.	19	5
26217 STM141	COAL-AF	31.	0.31	0.119 0.58	13.9	1.06	0.45	1.09	4.52	6.94	0.	14.06	0.793	7.	29	4
26217 STM088	RESIDUA	31.	0.22	0.083 0.58	8.2	0.62	0.26	0.59	7.42	7.89	0.	16.79	0.946	2.	25	4
26217 STM088	COAL-FG	31.	0.22	0.083 0.58	17.1	1.30	0.55	1.16	4.31	7.89	0.	15.21	0.858	2.	18	6
26217 STM088	COAL-AF	31.	0.22	0.083 0.58	13.1	1.00	0.42	1.05	4.31	7.89	0.	14.68	0.827	6.	27	4
26217 PFBSTM	COAL-PF	31.	0.53	0.197 0.58	22.9	1.74	0.74	1.73	5.05	4.74	0.	13.99	0.789	3.	10	6
26217 TISTMT	RESIDUA	31.	0.72	0.268 0.58	53.1	4.03	1.71	1.76	9.42	2.84	0.	19.76	1.114	-29.	1	25
26217 TISTMT	COAL	31.	0.72	0.268 0.58	67.5	5.12	2.18	2.50	5.47	2.84	0.	18.11	1.021	-31.	4	14
26217 TIHRSG	RESIDUA	31.	0.37	0.103 0.58	47.5	3.52	1.49	1.48	8.66	6.34	0.	21.50	1.212	-31.	0	106
26217 TIHRSG	COAL	31.	0.37	0.103 0.58	61.0	4.63	1.97	2.19	5.03	6.34	0.	20.16	1.136	-34.	0	26
26217 STIRL	DISTILL	31.	0.90	0.244 0.58	20.9	1.55	0.66	0.92	14.37	0.96	0.	18.46	1.041	-9.	0	20
26217 STIRL	RESIDUA	31.	0.90	0.244 0.58	21.0	1.55	0.66	0.92	11.72	0.96	0.	15.82	0.892	-1.	13	7
26217 STIRL	COAL	31.	0.90	0.244 0.58	36.2	2.68	1.14	1.75	6.81	0.96	0.	13.34	0.752	-1.	14	7
26217 HEGT85	COAL-AF	31.	1.00	0.086 0.58	68.5	5.20	2.21	2.92	8.90	0.	0.	19.24	1.084	-35.	3	18
26217 HEGT85	COAL-AF	31.	4.65	0.125 0.58	169.9	12.89	5.48	6.38	27.46	0.	-22.18	30.03	1.693	-118.	0	999
26217 HEGT60	COAL-AF	31.	1.00	0.114 0.58	63.5	4.82	2.05	2.75	8.63	0.	0.	18.25	1.029	-29.	4	15
26217 HEGT60	COAL-AF	31.	1.53	0.131 0.58	76.6	5.81	2.47	2.97	11.17	0.	-3.20	19.22	1.084	-39.	3	17
26217 HEGT00	COAL-AF	31.	0.62	0.085 0.58	41.9	3.18	1.35	1.78	6.65	3.87	0.	16.83	0.949	-15.	7	11
26217 FCMCCL	COAL	31.	1.00	0.324 0.58	49.4	3.84	1.63	2.77	6.58	0.	0.	14.83	0.836	-13.	9	9
26217 FCMCCL	COAL	31.	1.10	0.336 0.58	49.7	3.86	1.64	2.65	6.86	0.	-0.61	14.40	0.812	-11.	10	9

ECONOMIC SENSITIVITY REPORT FOR SELECTED PROCESS-ECS MATCHES

SENSITIVITY OF CAPITAL COST — PERCENT OF ORIGINAL COST 100

**********LEVELIZED ANNUAL ENERGY COSTS($ MILLIONS)**********

ENERGY SYSTEM	CONV FUEL	SITE-	POWER REQD MW	POWER GEN/ REQD	FESRPOWER /HEAT RATIO	CAPITAL COST *10**6	CAPITAL + INSNC	TAXES	OANDM	FUEL	PURCHD ELEC	REVNUE	TOTAL	NORML	PRESNT WORTH 15%	ROI %	GROSS PAY BACK
26217	FCSTCL	COAL	31.	1.61	0.394 0.58	59.0	4.58	1.95	3.20	8.08	0.	-3.69	14.13	0.797	-15.	9	9
26217	IGGTST	COAL	31.	1.00	0.264 0.58	46.9	3.64	1.55	2.06	7.17	0.	0.	14.42	0.813	-10.	10	9
26217	IGGTST	COAL	31.	1.11	0.274 0.58	46.9	3.64	1.55	1.85	7.53	0.	-0.65	13.92	0.785	-8.	11	8
26217	GTSOAR	RESIDUA	31.	1.00	0.272 0.58	17.5	1.30	0.55	0.92	12.22	0.	0.	14.99	0.845	3.	19	5
26217	GTSOAR	RESIDUA	31.	1.17	0.288 0.58	17.8	1.32	0.56	0.79	13.19	0.	-1.04	14.82	0.835	3.	19	5
26217	GTAC08	RESIDUA	31.	0.90	0.291 0.58	13.8	1.02	0.43	0.67	10.87	1.02	0.	14.01	0.790	8.	30	4
26217	GTAC12	RESIDUA	31.	1.00	0.318 0.58	16.1	1.20	0.51	0.87	11.44	0.	0.	14.01	0.790	7.	25	4
26217	GTAC12	RESIDUA	31.	1.13	0.333 0.58	16.2	1.20	0.51	0.74	12.05	0.	-0.76	13.73	0.774	8.	26	4
26217	GTAC16	RESIDUA	31.	1.00	0.312 0.58	17.4	1.29	0.55	0.93	11.54	0.	0.	14.30	0.806	5.	22	5
26217	GTAC16	RESIDUA	31.	1.28	0.341 0.58	18.5	1.37	0.58	0.81	12.93	0.	-1.70	13.99	0.788	6.	22	5
26217	GTWC16	RESIDUA	31.	1.00	0.284 0.58	17.2	1.28	0.54	0.93	12.01	0.	0.	14.76	0.832	4.	20	5
26217	GTWC16	RESIDUA	31.	1.33	0.315 0.58	18.4	1.36	0.58	0.81	13.82	0.	-2.03	14.54	0.820	4.	20	5
26217	CC1626	RESIDUA	31.	1.00	0.279 0.58	18.1	1.38	0.59	1.10	12.09	0.	0.	15.15	0.854	2.	17	6
26217	CC1626	RESIDUA	31.	2.03	0.349 0.58	24.1	1.83	0.78	1.12	17.77	0.	-6.26	15.24	0.859	-1.	13	7
26217	CC1622	RESIDUA	31.	1.00	0.293 0.58	18.1	1.38	0.58	1.08	11.86	0.	0.	14.90	0.840	3.	18	6
26217	CC1622	RESIDUA	31.	1.83	0.356 0.58	23.4	1.78	0.75	1.07	16.21	0.	-5.01	14.80	0.834	1.	15	6
26217	CC1222	RESIDUA	31.	1.00	0.296 0.58	17.4	1.32	0.56	1.07	11.81	0.	0.	14.77	0.832	4.	20	5
26217	CC1222	RESIDUA	31.	1.81	0.359 0.58	22.2	1.68	0.72	1.05	16.07	0.	-4.95	14.58	0.822	2.	16	6
26217	CC0822	RESIDUA	31.	1.00	0.317 0.58	16.9	1.29	0.55	1.04	11.45	0.	0.	14.33	0.808	5.	22	5
26217	CC0822	RESIDUA	31.	1.44	0.360 0.58	18.7	1.42	0.60	0.94	13.58	0.	-2.65	13.89	0.783	6.	22	5
26217	STIG15	RESIDUA	31.	1.00	0.105 0.58	18.8	1.39	0.59	1.32	15.01	0.	0.	18.31	1.032	-8.	0	26
26217	STIG15	RESIDUA	31.	50.22	0.171 0.58	396.0	29.33	12.47	24.36	430.17	0.	-298.87	197.46	11.130	-748.	0	58
26217	STIG10	RESIDUA	31.	1.00	0.151 0.58	17.7	1.31	0.56	1.19	14.25	0.	0.	17.30	0.975	-4.	8	10
26217	STIG10	RESIDUA	31.	4.64	0.218 0.58	44.5	3.30	1.40	2.46	42.21	0.	-22.13	27.24	1.535	-48.	0	62
26217	STIG1S	RESIDUA	31.	1.00	0.171 0.58	17.1	1.27	0.54	1.18	13.90	0.	0.	16.88	0.952	-3.	10	9
26217	STIG1S	RESIDUA	31.	2.72	0.228 0.58	27.0	2.00	0.85	1.64	26.53	0.	-10.47	20.55	1.158	-19.	0	78
26217	DEADV3	RESIDUA	31.	1.00	0.210 0.58	26.7	1.97	0.84	1.28	13.25	0.	0.	17.35	0.978	-9.	6	12
26217	DEADV3	RESIDUA	31.	3.10	0.286 0.58	64.6	4.79	2.04	2.16	27.28	0.	-12.76	23.50	1.325	-46.	0	121
26217	DEHTPM	RESIDUA	31.	1.00	0.313 0.58	27.4	2.03	0.86	1.31	11.53	0.	0.	15.73	0.887	-4.	11	8
26217	DEHTPM	RESIDUA	31.	1.31	0.345 0.58	32.4	2.40	1.02	1.29	13.05	0.	-1.87	15.90	0.896	-7.	10	9
26217	DESOA3	DISTILL	31.	1.00	0.177 0.58	31.8	2.36	1.00	1.42	16.92	0.	0.	21.70	1.223	-25.	0	70
26217	DESOA3	DISTILL	31.	3.62	0.248 0.58	92.8	6.88	2.92	2.90	40.09	0.	-15.90	36.89	2.080	-101.	0	62
26217	DESOA3	RESIDUA	31.	1.00	0.177 0.58	31.8	2.36	1.00	1.42	13.80	0.	0.	18.58	1.047	-15.	2	21
26217	DESOA3	RESIDUA	31.	3.62	0.248 0.58	92.8	6.88	2.92	2.90	32.71	0.	-15.90	29.51	1.663	-78.	0	73
26217	GTSOAD	DISTILL	31.	1.00	0.303 0.58	14.7	1.09	0.46	0.82	14.34	0.	0.	16.71	0.942	-1.	13	7
26217	GTSOAD	DISTILL	31.	1.09	0.312 0.58	14.4	1.07	0.45	0.70	14.88	0.	-0.52	16.58	0.935	-0.	14	7
26217	GTRA08	DISTILL	31.	1.00	0.279 0.58	19.1	1.41	0.60	1.00	14.84	0.	0.	17.86	1.006	-7.	4	15
26217	GTRA08	DISTILL	31.	1.82	0.338 0.58	24.3	1.80	0.77	0.98	20.39	0.	-4.98	18.96	1.069	-13.	0	999
26217	GTRA12	DISTILL	31.	1.00	0.286 0.58	19.3	1.43	0.61	1.01	14.69	0.	0.	17.73	1.000	-6.	5	13
26217	GTRA12	DISTILL	31.	1.77	0.345 0.58	24.5	1.81	0.77	0.99	19.80	0.	-4.69	18.68	1.053	-12.	0	999
26217	GTRA16	DISTILL	31.	1.00	0.288 0.58	20.1	1.49	0.63	1.02	14.64	0.	0.	17.78	1.002	-7.	5	14
26217	GTRA16	DISTILL	31.	1.65	0.341 0.58	24.6	1.82	0.78	0.98	18.92	0.	-3.95	18.55	1.046	-11.	0	26
26217	GTR208	DISTILL	31.	1.00	0.288 0.58	17.7	1.31	0.56	0.95	14.65	0.	0.	17.46	0.984	-5.	7	11

ECONOMIC SENSITIVITY REPORT FOR SELECTED PROCESS-ECS MATCHES

SENSITIVITY OF CAPITAL COST — PERCENT OF ORIGINAL COST 100

**********LEVELIZED ANNUAL ENERGY COSTS($ MILLIONS)**********

ENERGY CONV SYSTEM		SITE-FUEL	POWER REQD MW	POWER GEN/ REQD	FESRPOWER /HEAT RATIO	CAPITAL COST *10**6	CAPITAL + INSNC	TAXES	OANDM	FUEL	PURCHD ELEC	REVNUE	TOTAL	NORML	PRESNT WORTH 15%	ROI %	GROSS PAY BACK
26217	GTR212	DISTILL	31.	1.00	0.287	0.58	18.3	1.36	0.58	0.97	14.67	0.	0.	17.58	0.991	-5.	6	12
26217	GTR212	DISTILL	31.	1.46	0.327	0.58	20.8	1.54	0.65	0.88	17.73	0.	-2.81	17.99	1.014	-8.	3	16
26217	GTR216	DISTILL	31.	1.00	0.292	0.58	19.1	1.41	0.60	0.99	14.56	0.	0.	17.56	0.990	-6.	6	12
26217	GTR216	DISTILL	31.	1.50	0.336	0.58	22.1	1.64	0.70	0.91	17.80	0.	-3.03	18.01	1.015	-9.	3	16
26217	GTRW08	DISTILL	31.	1.00	0.235	0.58	19.0	1.41	0.60	1.02	15.74	0.	0.	18.77	1.058	-9.	0	999
26217	GTRW08	DISTILL	31.	2.17	0.297	0.58	26.2	1.94	0.82	1.06	24.71	0.	-7.10	21.44	1.209	-21.	0	65
26217	GTRW12	DISTILL	31.	1.00	0.252	0.58	19.0	1.41	0.60	1.01	15.39	0.	0.	18.41	1.038	-8.	0	999
26217	GTRW12	DISTILL	31.	2.20	0.320	0.58	26.3	1.95	0.83	1.06	24.18	0.	-7.29	20.73	1.169	-19.	0	70
26217	GTRW16	DISTILL	31.	1.00	0.256	0.58	19.5	1.45	0.61	1.02	15.31	0.	0.	18.39	1.037	-9.	0	29
26217	GTRW16	DISTILL	31.	2.04	0.319	0.58	26.1	1.93	0.82	1.04	22.81	0.	-6.29	20.32	1.145	-16.	0	77
26217	GTR308	DISTILL	31.	1.00	0.217	0.58	18.0	1.33	0.57	0.98	16.10	0.	0.	18.98	1.070	-10.	0	119
26217	GTR308	DISTILL	31.	1.66	0.257	0.58	21.4	1.58	0.67	0.92	21.37	0.	-3.98	20.56	1.159	-16.	0	65
26217	GTR312	DISTILL	31.	1.00	0.261	0.58	18.0	1.33	0.57	0.98	15.20	0.	0.	18.08	1.019	-7.	2	20
26217	GTR312	DISTILL	31.	1.77	0.314	0.58	22.0	1.63	0.69	0.93	20.68	0.	-4.66	19.27	1.086	-12.	0	147
26217	GTR316	DISTILL	31.	1.00	0.259	0.58	18.6	1.38	0.59	0.99	15.23	0.	0.	18.19	1.026	-7.	1	22
26217	GTR316	DISTILL	31.	1.74	0.311	0.58	22.7	1.68	0.72	0.95	20.54	0.	-4.50	19.39	1.093	-13.	0	125
26217	FCPADS	DISTILL	31.	1.00	0.198	0.58	24.9	1.84	0.78	3.95	16.49	0.	0.	23.07	1.300	-26.	0	64
26217	FCPADS	DISTILL	31.	3.83	0.279	0.58	70.3	5.21	2.22	13.18	40.32	0.	-17.19	43.74	2.466	-113.	0	61
26217	FCMCDS	DISTILL	31.	1.00	0.265	0.58	25.8	1.91	0.81	3.74	15.11	0.	0.	21.58	1.216	-22.	0	71
26217	FCMCDS	DISTILL	31.	3.03	0.360	0.58	60.4	4.47	1.90	9.88	29.42	0.	-12.33	33.35	1.880	-76.	0	53
26218	ONOCGN	RESIDUA	15.	0.	0.	0.21	7.0	0.52	0.22	0.49	8.77	4.85	0.	14.85	1.000	0.	0	0
26218	STM141	RESIDUA	15.	0.91	0.204	0.21	11.2	0.85	0.36	0.71	10.45	0.41	0.	12.78	0.861	4.	30	4
26218	STM141	COAL-FG	15.	0.91	0.204	0.21	22.9	1.74	0.74	1.44	6.07	0.41	0.	10.41	0.701	6.	21	5
26218	STM141	COAL-AF	15.	0.91	0.204	0.21	16.8	1.27	0.54	1.29	6.07	0.41	0.	9.59	0.646	12.	32	3
26218	STM086	RESIDUA	15.	0.65	0.145	0.21	10.0	0.76	0.32	0.67	9.97	1.70	0.	13.41	0.904	3.	29	4
26218	STM088	COAL-FG	15.	0.65	0.145	0.21	21.1	1.60	0.68	1.36	5.79	1.70	0.	11.13	0.750	5.	20	5
26218	STM088	COAL-AF	15.	0.65	0.145	0.21	15.8	1.20	0.51	1.25	5.79	1.70	0.	10.45	0.704	9.	31	4
26218	PFBSTM	COAL-PF	15.	1.00	0.218	0.21	29.3	2.22	0.94	2.21	6.20	0.	0.	11.58	0.780	-1.	14	7
26218	PFBSTM	COAL-PF	15.	1.52	0.280	0.21	27.8	2.11	0.90	2.12	6.78	0.	-1.52	10.39	0.700	4.	17	6
26218	TISTMT	RESIDUA	15.	1.00	0.219	0.21	42.6	3.23	1.37	1.69	10.66	0.	0.	16.97	1.143	-24.	0	999
26218	TISTMT	RESIDUA	15.	2.05	0.327	0.21	66.2	5.03	2.14	2.13	12.65	0.	-3.06	18.89	1.272	-41.	0	999
26218	TISTMT	COAL	15.	1.00	0.219	0.21	59.9	4.54	1.93	2.67	6.19	0.	0.	15.34	1.033	-27.	4	15
26218	TISTMT	COAL	15.	2.05	0.327	0.21	84.0	6.38	2.71	3.04	7.34	0.	-3.06	16.41	1.105	-42.	3	17
26218	TIHRSG	RESIDUA	15.	1.00	0.162	0.21	57.9	4.29	1.82	1.88	11.44	0.	0.	19.44	1.309	-38.	0	194
26218	TIHRSG	RESIDUA	15.	1.04	0.166	0.21	58.8	4.36	1.85	1.80	11.55	0.	-0.11	19.45	1.310	-39.	0	223
26218	TIHRSG	COAL	15.	1.00	0.162	0.21	75.3	5.72	2.43	2.83	6.64	0.	0.	17.62	1.187	-42.	1	24
26218	TIHRSG	COAL	15.	1.04	0.166	0.21	75.5	5.73	2.44	2.66	6.70	0.	-0.11	17.42	1.173	-41.	1	23
26218	STIRL	DISTILL	15.	1.00	0.158	0.21	17.2	1.27	0.54	1.02	14.09	0.	0.	16.92	1.140	-11.	0	64
26218	STIRL	DISTILL	15.	2.52	0.259	0.21	27.6	2.04	0.87	1.13	19.16	0.	-4.42	18.78	1.265	-22.	0	64
26218	STIRL	RESIDUA	15.	1.00	0.158	0.21	17.2	1.28	0.54	1.02	11.50	0.	0.	14.33	0.965	-3.	8	10
26218	STIRL	RESIDUA	15.	2.52	0.259	0.21	27.6	2.04	0.87	1.13	15.63	0.	-4.42	15.26	1.028	-11.	3	17
26218	STIRL	COAL	15.	1.00	0.158	0.21	33.8	2.51	1.07	2.00	6.67	0.	0.	12.24	0.825	-5.	11	8
26218	STIRL	COAL	15.	2.52	0.259	0.21	48.9	3.62	1.54	2.21	9.07	0.	-4.42	12.04	0.811	-11.	10	9

ECONOMIC SENSITIVITY REPORT FOR SELECTED PROCESS-ECS MATCHES

SENSITIVITY OF CAPITAL COST — PERCENT OF ORIGINAL COST 100

ENERGY SYSTEM	CONV	SITE-FUEL	POWER REQD MW	POWER GEN/ REQD	FESRPOWER /HEAT RATIO	CAPITAL COST *10**6	CAPITAL + INSNC	TAXES	OANDM	FUEL	PURCHD ELEC	REVNUE	TOTAL	NORML	PRESNT WORTH 15%	ROI %	GROSS PAY BACK
			********** LEVELIZED ANNUAL ENERGY COSTS ($ MILLIONS) **********														
26218	HEGT85	COAL-AF	15.	12.94	0.125 0.21	208.3	15.81	6.72	7.92	36.62	0.	-34.76	32.31	2.176	-152.	0	999
26218	HEGT60	COAL-AF	15.	1.00	0.067 0.21	47.3	3.59	1.53	2.27	7.40	0.	0.	14.79	0.996	-19.	5	13
26218	HEGT60	COAL-AF	15.	4.25	0.131 0.21	93.8	7.12	3.03	3.66	14.90	0.	-9.45	19.25	1.296	-56.	0	30
26218	HEGT00	COAL-AF	15.	1.00	0.081 0.21	44.2	3.35	1.43	2.18	7.29	0.	0.	14.25	0.960	-16.	6	12
26218	HEGT00	COAL-AF	15.	1.72	0.111 0.21	51.4	3.90	1.66	2.18	8.86	0.	-2.09	14.51	0.977	-20.	5	13
26218	FCMCCL	COAL	15.	1.00	0.191 0.21	42.1	3.27	1.39	2.37	6.42	0.	0.	13.45	0.906	-13.	8	10
26218	FCMCCL	COAL	15.	3.06	0.336 0.21	61.1	4.75	2.02	3.31	9.15	0.	-6.00	13.23	0.891	-22.	7	11
26218	FCSTCL	COAL	15.	1.00	0.198 0.21	41.0	3.19	1.36	2.37	6.36	0.	0.	13.28	0.894	-12.	8	10
26218	FCSTCL	COAL	15.	4.54	0.396 0.21	73.1	5.69	2.42	4.01	10.85	0.	-10.30	12.66	0.853	-26.	7	11
26218	IGGTST	COAL	15.	1.00	0.156 0.21	40.4	3.14	1.34	2.11	6.69	0.	0.	13.28	0.895	-12.	8	10
26218	IGGTST	COAL	15.	3.14	0.278 0.21	57.3	4.46	1.89	2.17	10.11	0.	-6.22	12.42	0.836	-17.	8	10
26218	GTSOAR	RESIDUA	15.	1.00	0.160 0.21	15.1	1.12	0.47	0.91	11.47	0.	0.	13.98	0.941	-1.	12	8
26218	GTSOAR	RESIDUA	15.	3.26	0.288 0.21	22.0	1.63	0.69	0.94	17.58	0.	-6.58	14.27	0.961	-5.	8	10
26218	GTAC08	RESIDUA	15.	1.00	0.190 0.21	13.9	1.03	0.44	0.87	11.06	0.	0.	13.39	0.902	1.	18	6
26218	GTAC08	RESIDUA	15.	2.50	0.310 0.21	17.1	1.26	0.54	0.79	14.49	0.	-4.37	12.71	0.856	2.	18	6
26218	GTAC12	RESIDUA	15.	1.00	0.187 0.21	14.1	1.05	0.44	0.88	11.10	0.	0.	13.47	0.907	1.	17	6
26218	GTAC12	RESIDUA	15.	3.13	0.333 0.21	20.2	1.50	0.64	0.88	16.06	0.	-6.21	12.87	0.867	-0.	15	7
26218	GTAC16	RESIDUA	15.	1.00	0.184 0.21	14.6	1.08	0.46	0.89	11.15	0.	0.	13.58	0.915	0.	15	6
26218	GTAC16	RESIDUA	15.	3.56	0.341 0.21	23.1	1.71	0.73	0.96	17.24	0.	-7.45	13.19	0.888	-2.	12	8
26218	GTWC16	RESIDUA	15.	1.00	0.167 0.21	14.8	1.10	0.47	0.90	11.37	0.	0.	13.83	0.932	-1.	13	7
26218	GTWC16	RESIDUA	15.	3.71	0.315 0.21	22.6	1.67	0.71	0.96	18.43	0.	-7.89	13.88	0.935	-4.	9	9
26218	CC1626	RESIDUA	15.	1.00	0.165 0.21	14.9	1.13	0.48	1.00	11.41	0.	0.	14.02	0.944	-1.	12	8
26218	CC1626	RESIDUA	15.	5.73	0.351 0.21	29.9	2.27	0.97	1.31	23.87	0.	-13.75	14.67	0.988	-11.	5	13
26218	CC1622	RESIDUA	15.	1.00	0.173 0.21	14.7	1.11	0.47	0.99	11.30	0.	0.	13.87	0.934	-1.	13	7
26218	CC1622	RESIDUA	15.	5.15	0.358 0.21	29.5	2.24	0.95	1.27	21.77	0.	-12.07	14.16	0.954	-9.	7	11
26218	CC1222	RESIDUA	15.	1.00	0.175 0.21	14.3	1.08	0.46	0.98	11.27	0.	0.	13.80	0.930	-0.	14	7
26218	CC1222	RESIDUA	15.	5.12	0.361 0.21	27.9	2.12	0.90	1.25	21.59	0.	-11.99	13.86	0.934	-7.	8	10
26218	CC0822	RESIDUA	15.	1.00	0.187 0.21	14.4	1.09	0.46	0.98	11.10	0.	0.	13.64	0.919	0.	15	7
26218	CC0822	RESIDUA	15.	4.06	0.363 0.21	23.3	1.77	0.75	1.10	18.24	0.	-8.91	12.96	0.873	-2.	12	7
26218	STIG15	RESIDUA	15.	1.00	0.062 0.21	14.9	1.10	0.47	1.04	12.81	0.	0.	15.43	1.039	-6.	0	999
26218	STIG15	RESIDUA	15.	139.72	0.171 0.21	520.8	38.57	16.40	32.03	573.57	0.	-403.69	256.88	17.302	-1002.	0	58
26218	STIG10	RESIDUA	15.	1.00	0.089 0.21	14.3	1.06	0.45	0.98	12.45	0.	0.	14.95	1.007	-4.	4	16
26218	STIG10	RESIDUA	15.	12.92	0.218 0.21	55.3	4.10	1.74	3.07	56.27	0.	-34.69	30.49	2.054	-72.	0	60
26218	STIG1S	RESIDUA	15.	1.00	0.101 0.21	14.1	1.04	0.44	0.98	12.28	0.	0.	14.75	0.994	-3.	6	12
26218	STIG1S	RESIDUA	15.	7.58	0.228 0.21	37.3	2.76	1.17	2.12	35.37	0.	-19.15	22.28	1.500	-38.	0	62
26218	DEADV3	RESIDUA	15.	1.00	0.124 0.21	21.1	1.56	0.67	1.11	11.97	0.	0.	15.31	1.031	-8.	2	21
26218	DEADV3	RESIDUA	15.	8.63	0.286 0.21	85.5	6.33	2.69	2.74	36.38	0.	-22.20	25.93	1.747	-72.	0	71
26218	DEHTPM	RESIDUA	15.	1.00	0.184 0.21	19.0	1.41	0.60	1.10	11.14	0.	0.	14.25	0.960	-4.	9	10
26218	DEHTPM	RESIDUA	15.	3.64	0.345 0.21	42.8	3.17	1.35	1.61	17.40	0.	-7.68	15.85	1.068	-20.	2	20
26218	DESOA3	DISTILL	15.	1.00	0.104 0.21	20.9	1.55	0.66	1.11	15.00	0.	0.	18.30	1.233	-17.	0	61
26218	DESOA3	DISTILL	15.	10.07	0.248 0.21	123.0	9.11	3.87	3.71	53.46	0.	-26.38	43.77	2.948	-145.	0	61
26218	DESOA3	RESIDUA	15.	1.00	0.104 0.21	20.9	1.55	0.66	1.11	12.23	0.	0.	15.54	1.047	-9.	0	999
26218	DESOA3	RESIDUA	15.	10.07	0.248 0.21	123.0	9.11	3.87	3.71	43.61	0.	-26.38	33.92	2.285	-114.	0	67

ECONOMIC SENSITIVITY REPORT FOR SELECTED PROCESS-ECS MATCHES

SENSITIVITY OF CAPITAL COST — PERCENT OF ORIGINAL COST 100

**********LEVELIZED ANNUAL ENERGY COSTS($ MILLIONS)**********

ENERGY CONV SYSTEM	SITE-FUEL	POWER REQD MW	POWER GEN/ REQD	FESRPOWER /HEAT RATIO	CAPITAL COST *10**6	CAPITAL + INSNC	TAXES	OANDM	FUEL	PURCHD ELEC	REVNUE	TOTAL	NORML	PRESNT WORTH 15%	ROI %	GROSS PAY BACK
26218 GTSOAD	DISTILL	15.	3.02	0.312 0.21	17.9	1.33	0.56	0.82	19.84	0.	-5.89	16.67	1.123	-11.	0	67
26218 GTRA08	DISTILL	15.	1.00	0.164 0.21	15.5	1.15	0.49	0.92	14.00	0.	0.	16.56	1.115	-9.	0	64
26218 GTRA08	DISTILL	15.	5.06	0.338 0.21	32.2	2.38	1.01	1.22	27.18	0.	-11.82	19.98	1.346	-28.	0	63
26218 GTRA12	DISTILL	15.	1.00	0.168 0.21	15.6	1.16	0.49	0.92	13.93	0.	0.	16.49	1.111	-9.	0	65
26218 GTRA12	DISTILL	15.	4.93	0.345 0.21	30.4	2.25	0.96	1.17	26.40	0.	-11.44	19.35	1.304	-25.	0	61
26218 GTRA16	DISTILL	15.	1.00	0.170 0.21	16.1	1.19	0.51	0.93	13.90	0.	0.	16.53	1.114	-10.	0	65
26218 GTRA16	DISTILL	15.	4.59	0.341 0.21	30.6	2.26	0.96	1.17	25.22	0.	-10.45	19.17	1.291	-25.	0	65
26218 GTR208	DISTILL	15.	1.00	0.169 0.21	14.9	1.10	0.47	0.90	13.91	0.	0.	16.38	1.104	-9.	0	65
26218 GTR208	DISTILL	15.	3.79	0.321 0.21	23.8	1.77	0.75	0.99	22.73	0.	-8.13	18.10	1.219	-18.	0	64
26218 GTR212	DISTILL	15.	1.00	0.169 0.21	15.2	1.13	0.48	0.91	13.92	0.	0.	16.44	1.107	-9.	0	65
26218 GTR212	DISTILL	15.	4.07	0.327 0.21	25.7	1.91	0.81	1.04	23.64	0.	-8.93	18.47	1.244	-20.	0	64
26218 GTR216	DISTILL	15.	1.00	0.172 0.21	15.6	1.15	0.49	0.92	13.86	0.	0.	16.42	1.106	-9.	0	66
26218 GTR216	DISTILL	15.	4.17	0.336 0.21	27.5	2.04	0.87	1.09	23.74	0.	-9.23	18.49	1.246	-21.	0	65
26218 GTRW08	DISTILL	15.	1.00	0.138 0.21	15.6	1.16	0.49	0.92	14.43	0.	0.	17.00	1.145	-11.	0	62
26218 GTRW08	DISTILL	15.	6.03	0.297 0.21	32.1	2.38	1.01	1.25	32.95	0.	-14.65	22.95	1.546	-37.	0	59
26218 GTRW12	DISTILL	15.	1.00	0.148 0.21	15.6	1.15	0.49	0.92	14.26	0.	0.	16.83	1.134	-10.	0	62
26218 GTRW12	DISTILL	15.	6.12	0.320 0.21	32.3	2.40	1.02	1.25	32.24	0.	-14.90	22.01	1.482	-34.	0	60
26218 GTRW16	DISTILL	15.	1.00	0.151 0.21	16.0	1.18	0.50	0.93	14.22	0.	0.	16.84	1.134	-10.	0	63
26218 GTRW16	DISTILL	15.	5.66	0.319 0.21	32.0	2.37	1.01	1.23	30.41	0.	-13.57	21.45	1.445	-32.	0	61
26218 GTR308	DISTILL	15.	1.00	0.128 0.21	15.0	1.11	0.47	0.91	14.60	0.	0.	17.10	1.152	-11.	0	61
26218 GTR308	DISTILL	15.	4.61	0.257 0.21	26.4	1.95	0.83	1.08	28.49	0.	-10.50	21.86	1.473	-31.	0	59
26218 GTR312	DISTILL	15.	1.00	0.154 0.21	15.1	1.12	0.47	0.91	14.17	0.	0.	16.67	1.123	-10.	0	63
26218 GTR312	DISTILL	15.	4.92	0.314 0.21	27.0	2.00	0.85	1.10	27.58	0.	-11.41	20.12	1.355	-26.	0	61
26218 GTR316	DISTILL	15.	1.00	0.153 0.21	15.5	1.15	0.49	0.92	14.19	0.	0.	16.74	1.127	-10.	0	63
26218 GTR316	DISTILL	15.	4.84	0.311 0.21	27.9	2.07	0.88	1.12	27.39	0.	-11.18	20.27	1.365	-27.	0	61
26218 FCPADS	DISTILL	15.	1.00	0.117 0.21	17.6	1.30	0.55	2.26	14.79	0.	0.	18.90	1.273	-18.	0	60
26218 FCPADS	DISTILL	15.	10.66	0.279 0.21	93.0	6.89	2.93	17.50	53.76	0.	-28.10	52.97	3.568	-162.	0	60
26218 FCMCDS	DISTILL	15.	1.00	0.156 0.21	18.1	1.34	0.57	2.16	14.13	0.	0.	18.20	1.226	-16.	0	62
26218 FCMCDS	DISTILL	15.	8.43	0.360 0.21	80.0	5.93	2.52	13.12	39.23	0.	-21.62	39.17	2.638	-112.	0	62
28001 ONOCGN	RESIDUA	33.	0.	0. 0.10	33.7	2.49	1.06	1.35	41.24	10.96	0.	57.11	1.000	0.	0	0
28001 STM141	RESIDUA	33.	1.00	0.132 0.10	38.4	2.91	1.24	1.92	45.40	0.	0.	51.47	0.901	15.	54	2
28001 STM141	RESIDUA	33.	1.80	0.203 0.10	39.8	3.02	1.29	1.66	48.72	0.	-5.25	49.44	0.866	21.	58	2
28001 STM141	COAL-FG	33.	1.00	0.132 0.10	77.7	5.90	2.51	4.40	26.36	0.	0.	39.17	0.686	34.	27	4
28001 STM141	COAL-FG	33.	1.80	0.203 0.10	76.0	5.77	2.45	4.00	28.29	0.	-5.25	35.26	0.617	48.	32	4
28001 STM141	COAL-AF	33.	1.00	0.132 0.10	62.9	4.77	2.03	4.17	26.36	0.	0.	37.33	0.654	47.	39	3
28001 STM141	COAL-AF	33.	1.80	0.203 0.10	58.1	4.41	1.87	3.88	28.29	0.	-5.25	33.19	0.581	63.	51	2
28001 STM088	RESIDUA	33.	1.00	0.132 0.10	36.8	2.79	1.19	1.84	45.40	0.	0.	51.22	0.897	17.	75	2
28001 STM088	RESIDUA	33.	1.26	0.157 0.10	36.2	2.75	1.17	1.56	46.46	0.	-1.68	50.26	0.880	20.	91	1
28001 STM088	COAL-FG	33.	1.00	0.132 0.10	76.6	5.82	2.47	4.27	26.36	0.	0.	38.92	0.681	36.	27	4
28001 STM088	COAL-FG	33.	1.26	0.157 0.10	71.1	5.40	2.29	3.72	26.98	0.	-1.68	36.71	0.643	45.	33	3
28001 STM088	COAL-AF	33.	1.90	0.132 0.10	58.9	4.47	1.90	4.12	26.36	0.	0.	36.85	0.645	51.	44	3
28001 STM088	COAL-AF	33.	1.26	0.157 0.10	56.1	4.26	1.81	3.74	26.98	0.	-1.68	35.10	0.615	58.	51	2
28001 PERSTM	COAL-PF	33.	1.00	0.128 0.10	78.2	5.93	2.52	5.20	26.46	0.	0.	40.11	0.702	31.	25	4

ECONOMIC SENSITIVITY REPORT FOR SELECTED PROCESS-ECS MATCHES

SENSITIVITY OF CAPITAL COST — PERCENT OF ORIGINAL COST 100

ENERGY CONV SYSTEM		SITE-FUEL	POWER REQD MW	POWER GEN/REQD	FESRPOWER/HEAT RATIO	CAPITAL COST *10**6	CAPITAL + INSNC	TAXES	OANDM	FUEL	PURCHD ELEC	REVNUE	TOTAL	NORML	PRESNT WORTH 15%	RCI %	GROSS PAY PACK
							********** LEVELIZED ANNUAL ENERGY COSTS($ MILLIONS) **********										
28001	TISTMT	RESIDUA	33.	1.00	0.129 0.10	92.1	6.99	2.97	3.26	45.52	0.	0.	58.73	1.028	-34.	2	19
28001	TISTMT	RESIDUA	33.	4.14	0.322 0.10	205.8	15.62	6.64	5.95	58.94	0.	-20.65	66.50	1.164	-112.	0	999
28001	TISTMT	COAL	33.	1.00	0.129 0.10	134.1	10.18	4.33	5.74	26.43	0.	0.	46.67	0.817	-16.	12	8
28001	TISTMT	COAL	33.	4.14	0.322 0.10	258.9	19.65	8.35	8.74	34.22	0.	-20.65	50.32	0.881	-87.	7	11
28001	TIHRSG	RESIDUA	33.	1.00	0.096 0.10	117.4	8.69	3.70	3.79	47.28	0.	0.	63.45	1.111	-59.	0	999
28001	TIHRSG	RESIDUA	33.	2.16	0.166 0.10	184.9	13.69	5.82	5.19	54.28	0.	-7.64	71.35	1.249	-115.	0	138
28001	TIHRSG	COAL	33.	1.00	0.096 0.10	166.7	12.65	5.38	6.52	27.45	0.	0.	52.00	0.911	-48.	6	10
28001	TIHRSG	COAL	33.	2.16	0.166 0.10	234.8	17.81	7.57	7.90	31.52	0.	-7.64	57.17	1.001	-97.	5	13
28001	STIRL	DISTILL	33.	1.00	0.094 0.10	55.1	4.08	1.74	2.28	58.10	0.	0.	66.19	1.159	-39.	0	58
28001	STIRL	DISTILL	33.	5.24	0.259 0.10	117.8	8.73	3.71	3.71	90.07	0.	-27.87	78.34	1.372	-106.	0	61
28001	STIRL	RESIDUA	33.	1.00	0.094 0.10	55.1	4.08	1.74	2.28	47.39	0.	0.	55.49	0.972	-5.	10	9
28001	STIRL	RESIDUA	33.	5.24	0.259 0.10	118.0	8.74	3.71	3.71	73.48	0.	-27.87	61.77	1.082	-54.	0	999
28001	STIRL	COAL	33.	1.00	0.094 0.10	97.7	7.24	3.08	4.82	27.52	0.	0.	42.66	0.747	15.	18	5
28001	STIRL	COAL	33.	5.24	0.259 0.10	210.4	15.58	6.62	7.92	42.66	0.	-27.87	44.92	0.787	-45.	10	9
28001	HEGT85	COAL-AF	33.	1.00	0.030 0.10	111.6	8.47	3.60	5.13	29.45	0.	0.	46.65	0.817	-5.	13	7
28001	HEGT85	COAL-AF	33.	26.93	0.125 0.10	833.7	63.27	26.90	31.64	172.16	0.	-170.51	123.45	2.162	-593.	0	999
28001	HEGT60	COAL-AF	33.	1.00	0.039 0.10	108.5	8.23	3.50	5.08	29.16	0.	0.	45.98	0.805	-2.	14	7
28001	HEGT60	COAL-AF	33.	8.84	0.131 0.10	272.1	20.64	8.78	11.55	70.04	0.	-51.55	59.45	1.041	-123.	4	15
28001	HEGT00	COAL-AF	33.	1.00	0.048 0.10	104.3	7.92	3.37	5.05	28.91	0.	0.	45.24	0.792	3.	15	6
28001	HEGT00	COAL-AF	33.	3.57	0.111 0.10	149.4	11.33	4.82	6.75	41.68	0.	-16.93	47.65	0.834	-27.	10	8
28001	FCMCCL	COAL	33.	1.00	0.113 0.10	106.7	8.29	3.53	5.55	26.94	0.	0.	44.30	0.776	3.	15	6
28001	FCMCCL	COAL	33.	6.37	0.336 0.10	183.4	14.26	6.06	11.53	43.00	0.	-35.31	39.54	0.692	-20.	12	8
28001	FCSTCL	COAL	33.	1.00	0.117 0.10	104.7	8.14	3.46	5.45	26.82	0.	0.	43.86	0.768	6.	16	6
28001	FCSTCL	COAL	33.	9.28	0.394 0.10	217.9	16.94	7.20	13.72	50.56	0.	-54.42	34.00	0.595	-20.	13	7
28001	IGGTST	COAL	33.	1.00	0.092 0.10	99.6	7.74	3.29	4.65	27.58	0.	0.	43.27	0.758	10.	17	6
28001	IGGTST	COAL	33.	6.38	0.274 0.10	178.8	13.90	5.91	5.63	47.11	0.	-35.38	37.17	0.651	-10.	14	7
28001	GTSOAR	RESIDUA	33.	1.00	0.094 0.10	48.8	3.62	1.54	2.04	47.35	0.	0.	54.54	0.955	1.	16	6
28001	GTSOAR	RESIDUA	33.	6.78	0.288 0.10	88.6	6.56	2.79	2.88	82.67	0.	-38.03	56.87	0.996	-25.	5	13
28001	GTAC08	RESIDUA	33.	1.00	0.112 0.10	43.5	3.22	1.37	1.91	46.41	0.	0.	52.90	0.926	9.	29	4
28001	GTAC08	RESIDUA	33.	5.20	0.310 0.10	64.0	4.74	2.02	2.22	68.13	0.	-27.65	49.45	0.866	10.	20	5
28001	GTAC12	RESIDUA	33.	1.00	0.111 0.10	47.6	3.53	1.50	2.00	46.50	0.	0.	53.53	0.937	5.	20	5
28001	GTAC12	RESIDUA	33.	6.52	0.333 0.10	77.1	5.71	2.43	2.57	75.52	0.	-36.28	49.94	0.875	2.	15	6
28001	GTAC16	RESIDUA	33.	1.00	0.108 0.10	48.5	3.60	1.53	2.02	46.62	0.	0.	53.76	0.941	3.	18	5
28001	GTAC16	RESIDUA	33.	7.41	0.341 0.10	88.3	6.54	2.78	2.86	81.06	0.	-42.14	51.10	0.895	-7.	12	7
28001	GTWC16	RESIDUA	33.	1.00	0.099 0.10	48.3	3.58	1.52	2.02	47.12	0.	0.	54.24	0.950	2.	17	6
28001	GTWC16	RESIDUA	33.	7.72	0.315 0.10	82.4	6.11	2.60	2.73	86.63	0.	-44.20	53.87	0.943	-13.	10	9
28001	CC1626	RESIDUA	33.	1.00	0.097 0.10	48.3	3.66	1.56	2.12	47.21	0.	0.	54.55	0.955	1.	15	6
28001	CC1526	RESIDUA	33.	11.72	0.348 0.10	108.3	8.22	3.49	3.66	111.24	0.	-70.51	56.10	0.982	-33.	6	12
28001	CC1622	RESIDUA	33.	1.00	0.102 0.10	48.3	3.67	1.56	2.12	46.96	0.	0.	54.30	0.951	1.	16	6
28001	CC1622	RESIDUA	33.	10.53	0.356 0.10	114.1	8.66	3.68	3.68	101.48	0.	-62.69	54.81	0.960	-32.	7	11
28001	CC1222	RESIDUA	33.	1.00	0.103 0.10	47.6	3.61	1.54	2.11	46.91	0.	0.	54.17	0.948	2.	17	6
28001	CC1222	RESIDUA	33.	10.47	0.359 0.10	106.4	8.08	3.43	3.57	100.60	0.	-62.29	53.39	0.935	-24.	9	10
28001	CC0022	RESIDUA	33.	1.00	0.110 0.10	47.3	3.59	1.53	2.10	46.52	0.	0.	53.74	0.941	4.	19	5

ECONOMIC SENSITIVITY REPORT FOR SELECTED PROCESS-ECS MATCHES

SENSITIVITY OF CAPITAL COST — PERCENT OF ORIGINAL COST 100

**********LEVELIZED ANNUAL ENERGY COSTS($ MILLIONS)**********

ENERGY CONV SYSTEM	SITE-FUEL	POWER REQD MW	POWER GEN/ REQD	FESRPOWER /HEAT RATIO	CAPITAL COST x10**6	CAPITAL + INSNC	TAXES	OANDM	FUEL	PURCHD ELEC	REVNUE	TOTAL	NORML	PRESNT WORTH 15%	ROI %	CO'S PAY P'R
28001 STIG15	RESIDUA	33.	1.00	0.037 0.10	48.5	3.59	1.53	2.31	50.38	0.	0.	57.81	1.012	-9.	0	23
28001 STIG15	RESIDUA	33.	290.72	0.171 0.10	2270.3	168.16	71.49	142.09	2696.57	0.	********	1173.32	20.545	-4557.	0	58
28001 STIG10	RESIDUA	33.	1.00	0.052 0.10	47.5	3.52	1.50	2.19	49.55	0.	0.	56.75	0.994	-5.	7	11
28001 STIG10	RESIDUA	33.	26.88	0.218 0.10	222.1	16.45	6.99	11.72	264.57	0.	-170.19	129.54	2.268	-316.	0	59
28001 STIG1S	RESIDUA	33.	1.00	0.060 0.10	47.0	3.48	1.48	2.20	49.17	0.	0.	56.33	0.986	-4.	9	9
28001 STIG1S	RESIDUA	33.	15.77	0.228 0.10	136.2	10.09	4.29	7.50	166.30	0.	-97.14	91.03	1.594	-155.	0	60
28001 DEADV3	RESIDUA	33.	1.00	0.073 0.10	60.7	4.50	1.91	2.39	48.47	0.	0.	57.26	1.003	-13.	4	14
28001 DEADV3	RESIDUA	33.	17.95	0.286 0.10	352.1	26.08	11.09	9.83	171.02	0.	-111.48	106.54	1.865	-304.	0	68
28001 DEHTPM	RESIDUA	33.	1.00	0.109 0.10	62.2	4.61	1.96	2.49	46.60	0.	0.	55.66	0.975	-9.	9	10
28001 DEHTPM	RESIDUA	33.	7.57	0.345 0.10	185.2	13.71	5.83	5.55	81.82	0.	-43.21	63.71	1.116	-92.	0	27
28001 DESOA3	DISTILL	33.	1.00	0.062 0.10	66.0	4.89	2.08	2.52	60.14	0.	0.	69.63	1.219	-54.	0	59
28001 DESOA3	DISTILL	33.	20.94	0.248 0.10	516.0	38.22	16.25	14.00	251.32	0.	-131.13	188.65	3.303	-638.	0	60
28001 DESOA3	RESIDUA	33.	1.00	0.062 0.10	66.0	4.89	2.08	2.52	49.06	0.	0.	58.55	1.025	-20.	0	27
28001 DESOA3	RESIDUA	33.	20.94	0.248 0.10	516.0	38.22	16.25	14.00	205.02	0.	-131.13	142.36	2.493	-493.	0	65
28001 GTSOAD	DISTILL	33.	1.00	0.105 0.10	46.2	3.42	1.45	1.97	57.35	0.	0.	64.20	1.124	-28.	0	58
28001 GTSOAD	DISTILL	33.	6.29	0.312 0.10	67.3	4.99	2.12	2.33	93.30	0.	-34.77	67.95	1.190	-50.	0	59
28001 GTRA08	DISTILL	33.	1.00	0.097 0.10	49.8	3.69	1.57	2.05	57.89	0.	0.	65.20	1.142	-33.	0	58
28001 GTRA08	DISTILL	33.	10.53	0.338 0.10	126.2	9.35	3.97	3.87	127.80	0.	-62.67	82.32	1.441	-122.	0	60
28001 GTRA12	DISTILL	33.	1.00	0.099 0.10	50.1	3.71	1.58	2.06	57.73	0.	0.	65.07	1.139	-33.	0	58
28001 GTRA12	DISTILL	33.	10.26	0.345 0.10	123.2	9.12	3.88	3.79	124.12	0.	-60.87	80.04	1.402	-114.	0	61
28001 GTRA16	DISTILL	33.	1.00	0.100 0.10	51.0	3.77	1.60	2.08	57.67	0.	0.	65.13	1.141	-33.	0	58
28001 GTRA16	DISTILL	33.	9.55	0.341 0.10	123.7	9.16	3.90	3.79	118.58	0.	-56.24	79.19	1.387	-111.	0	61
28001 GTR208	DISTILL	33.	1.00	0.100 0.10	48.7	3.61	1.53	2.03	57.69	0.	0.	64.86	1.136	-31.	0	58
28001 GTR208	DISTILL	33.	7.89	0.321 0.10	96.3	7.14	3.03	3.08	106.87	0.	-45.33	74.79	1.310	-85.	0	60
28001 GTR212	DISTILL	33.	1.00	0.100 0.10	49.3	3.65	1.55	2.04	57.71	0.	0.	64.96	1.137	-32.	0	58
28001 GTR212	DISTILL	33.	8.47	0.327 0.10	104.0	7.70	3.27	3.28	111.14	0.	-49.10	76.30	1.336	-93.	0	60
28001 GTR216	DISTILL	33.	1.00	0.102 0.10	50.1	3.71	1.58	2.06	57.59	0.	0.	64.93	1.137	-32.	0	58
28001 GTR216	DISTILL	33.	8.68	0.336 0.10	111.7	8.27	3.52	3.48	111.60	0.	-50.51	76.35	1.337	-97.	0	61
28001 GTRW08	DISTILL	33.	1.00	0.081 0.10	49.7	3.68	1.56	2.05	58.87	0.	0.	66.16	1.158	-36.	0	58
28001 GTRW08	DISTILL	33.	12.55	0.297 0.10	127.2	9.42	4.00	3.95	154.93	0.	-75.97	96.33	1.687	-167.	0	33
28001 GTRW12	DISTILL	33.	1.00	0.087 0.10	49.6	3.68	1.56	2.05	58.49	0.	0.	65.77	1.152	-35.	0	58
28001 GTRW12	DISTILL	33.	12.74	0.320 0.10	128.0	9.48	4.03	3.97	151.58	0.	-77.17	91.89	1.609	-153.	0	59
28001 GTRW16	DISTILL	33.	1.00	0.089 0.10	50.2	3.72	1.58	2.06	58.40	0.	0.	65.76	1.151	-35.	0	58
28001 GTRW16	DISTILL	33.	11.78	0.319 0.10	126.6	9.38	3.99	3.91	142.96	0.	-70.89	89.35	1.564	-145.	0	59
28001 GTR308	DISTILL	33.	1.00	0.075 0.10	48.8	3.61	1.54	2.04	59.25	0.	0.	66.44	1.163	-36.	0	57
28001 GTR308	DISTILL	33.	9.59	0.257 0.10	96.1	7.12	3.03	3.13	133.95	0.	-56.45	90.78	1.590	-135.	0	58
28001 GTR312	DISTILL	33.	1.00	0.091 0.10	48.7	3.61	1.53	2.03	58.28	0.	0.	65.45	1.146	-33.	0	58
28001 GTR312	DISTILL	33.	10.24	0.314 0.10	100.8	7.46	3.17	3.24	129.65	0.	-60.73	82.80	1.450	-112.	0	59
28001 GTR316	DISTILL	33.	1.00	0.090 0.10	49.4	3.66	1.56	2.04	58.32	0.	0.	65.57	1.148	-34.	0	58
28001 GTR316	DISTILL	33.	10.08	0.311 0.10	103.5	7.67	3.26	3.31	128.76	0.	-59.68	83.32	1.459	-115.	0	59
28001 FCPADS	DISTILL	33.	1.00	0.069 0.10	58.8	4.35	1.85	5.29	59.67	0.	0.	71.16	1.246	-56.	0	58
28001 FCPADS	DISTILL	33.	22.17	0.279 0.10	379.9	28.14	11.96	80.02	232.77	0.	-139.22	233.68	4.092	-726.	0	60
28001 FCMCDS	DISTILL	33.	1.00	0.092 0.10	59.8	4.43	1.88	5.06	58.19	0.	0.	69.57	1.218	-52.	0	59

ECONOMIC SENSITIVITY REPORT FOR SELECTED PROCESS-ECS MATCHES

SENSITIVITY OF CAPITAL COST — PERCENT OF ORIGINAL COST 100

**********LEVELIZED ANNUAL ENERGY COSTS($ MILLIONS)**********

ENERGY CONV SYSTEM	SITE-FUEL	POWER REQD MW	POWER GEN/ REQD	FESRPOWER /HEAT RATIO	CAPITAL COST *10**6	CAPITAL + INSNC	TAXES	OANDM	FUEL	PURCHD ELEC	REVNUE	TOTAL	NORML	PRESNT WORTH 15%	ROI %	GROSS PAY LACK
28002 ONOCGN	RESIDUA	77.	0.	0. 0.25	32.9	2.43	1.04	1.33	39.52	26.03	0.	70.35	1.000	0.	0	0
28002 STM141	RESIDUA	77.	0.73	0.181 0.25	38.7	2.93	1.25	1.63	46.68	7.14	0.	59.63	0.848	30.	81	2
28002 STM141	COAL-FG	77.	0.73	0.181 0.25	73.8	5.60	2.38	3.88	27.11	7.14	0.	46.11	0.656	56.	35	3
28002 STM141	COAL-AF	77.	0.73	0.181 0.25	56.6	4.29	1.82	3.76	27.11	7.14	0.	44.13	0.627	70.	57	2
28002 STM088	RESIDUA	77.	0.51	0.126 0.25	35.1	2.67	1.13	1.53	44.52	12.84	0.	62.69	0.891	22.	119	1
28002 STM088	COAL-FG	77.	0.51	0.126 0.25	69.0	5.24	2.23	3.61	25.85	12.84	0.	49.77	0.708	47.	31	3
28002 STM088	COAL-AF	77.	0.51	0.126 0.25	54.6	4.14	1.76	3.63	25.85	12.84	0.	48.23	0.686	58.	53	2
28002 PFBSTM	COAL-PF	77.	1.00	0.243 0.25	77.6	5.89	2.50	6.53	28.92	0.	0.	43.84	0.623	61.	35	3
28002 PFBSTM	COAL-PF	77.	1.23	0.274 0.25	73.0	5.54	2.36	6.58	30.32	0.	-3.66	41.14	0.585	71.	41	3
28002 TISTMT	RESIDUA	77.	1.00	0.245 0.25	146.6	11.13	4.73	4.70	49.67	0.	0.	70.22	0.998	-55.	5	13
28002 TISTMT	RESIDUA	77.	1.67	0.322 0.25	199.1	15.11	6.42	5.77	56.48	0.	-10.47	73.30	1.042	-89.	3	16
28002 TISTMT	COAL	77.	1.00	0.245 0.25	191.8	14.56	6.19	7.32	28.84	0.	0.	56.91	0.809	-35.	11	8
28002 TISTMT	COAL	77.	1.67	0.322 0.25	250.4	19.01	8.08	8.47	32.79	0.	-10.47	57.88	0.823	-66.	9	9
28002 TIHRSG	RESIDUA	77.	0.87	0.158 0.25	178.8	13.24	5.63	5.03	52.01	3.34	0.	79.25	1.127	-96.	0	999
28002 TIHRSG	COAL	77.	0.87	0.158 0.25	227.1	17.23	7.33	7.65	30.20	3.34	0.	65.74	0.935	-79.	7	11
28002 STIRL	DISTILL	77.	1.00	0.177 0.25	74.4	5.51	2.34	2.84	66.36	0.	0.	77.06	1.095	-41.	0	68
28002 STIRL	DISTILL	77.	2.11	0.259 0.25	113.0	8.37	3.56	3.57	86.30	0.	-17.39	84.42	1.200	-82.	0	65
28002 STIRL	RESIDUA	77.	1.00	0.177 0.25	74.5	5.52	2.35	2.85	54.13	0.	0.	64.84	0.922	-2.	13	7
28002 STIRL	RESIDUA	77.	2.11	0.259 0.25	113.2	8.38	3.56	3.58	70.40	0.	-17.39	68.54	0.974	-32.	7	11
28002 STIRL	COAL	77.	1.00	0.177 0.25	129.1	9.56	4.07	5.87	31.43	0.	0.	50.93	0.724	15.	17	6
28002 STIRL	COAL	77.	2.11	0.259 0.25	201.7	14.94	6.35	7.62	40.88	0.	-17.39	52.41	0.745	-23.	12	8
28002 HEGT85	COAL-AF	77.	1.00	0.057 0.25	157.8	11.97	5.09	6.80	36.02	0.	0.	59.87	0.851	-28.	11	8
28002 HEGT85	COAL-AF	77.	10.86	0.125 0.25	808.8	61.38	26.09	30.59	164.96	0.	-154.06	128.96	1.833	-557.	0	999
28002 HEGT60	COAL-AF	77.	1.00	0.075 0.25	149.9	11.38	4.84	6.63	35.33	0.	0.	58.17	0.827	-19.	12	8
28002 HEGT60	COAL-AF	77.	3.57	0.131 0.25	263.9	20.03	8.52	11.17	67.11	0.	-40.08	66.74	0.949	-100.	6	12
28002 HEGT00	COAL-AF	77.	1.00	0.090 0.25	130.9	9.93	4.22	6.22	34.73	0.	0.	55.10	0.783	0.	15	7
28002 HEGT00	COAL-AF	77.	1.44	0.111 0.25	144.9	11.00	4.68	6.53	39.93	0.	-6.90	55.23	0.785	-7.	14	7
28002 FCMCCL	COAL	77.	1.00	0.213 0.25	134.2	10.43	4.43	7.40	30.05	0.	0.	52.32	0.744	5.	15	6
28002 FCMCCL	COAL	77.	2.57	0.336 0.25	177.8	13.82	5.88	11.12	41.20	0.	-24.52	47.50	0.675	-1.	14	7
28002 FCSTCL	COAL	77.	1.00	0.220 0.25	131.8	10.25	4.36	7.14	29.76	0.	0.	51.50	0.732	9.	16	6
28002 FCSTCL	COAL	77.	3.74	0.394 0.25	211.2	16.42	6.98	13.23	48.45	0.	-42.83	42.25	0.601	-1.	14	7
28002 IGGTST	COAL	77.	1.00	0.173 0.25	125.3	9.74	4.14	5.19	31.57	0.	0.	50.65	0.720	15.	17	6
28002 IGGTST	COAL	77.	2.57	0.274 0.25	169.7	13.19	5.61	5.39	45.14	0.	-24.59	44.75	0.636	12.	16	6
28002 GTSOAR	RESIDUA	77.	1.00	0.178 0.25	56.5	4.19	1.78	2.30	54.02	0.	0.	62.29	0.886	14.	24	4
28002 GTSOAR	RESIDUA	77.	2.74	0.288 0.25	85.9	6.36	2.70	2.80	79.21	0.	-27.12	63.96	0.909	-5.	13	7
28002 GTAC08	RESIDUA	77.	1.00	0.212 0.25	49.5	3.67	1.56	2.11	51.79	0.	0.	59.13	0.841	27.	40	3
28002 GTAC08	RESIDUA	77.	2.10	0.310 0.25	62.0	4.59	1.95	2.16	65.28	0.	-17.17	56.81	0.808	29.	30	4
28002 GTAC12	RESIDUA	77.	1.00	0.209 0.25	52.8	3.91	1.66	2.20	52.01	0.	0.	59.78	0.850	24.	34	3
28002 GTAC12	RESIDUA	77.	2.63	0.333 0.25	74.6	5.52	2.35	2.49	72.36	0.	-25.45	57.28	0.814	21.	23	5
28002 GTAC16	RESIDUA	77.	1.00	0.205 0.25	54.9	4.06	1.73	2.25	52.28	0.	0.	60.33	0.858	21.	30	4
28002 GTAC16	RESIDUA	77.	2.99	0.341 0.25	85.4	6.32	2.69	2.78	77.67	0.	-31.[illegible]	58.40	0.830	13.	19	5
28002 GTWC16	RESIDUA	77.	1.00	0.187 0.25	53.0	3.93	1.67	2.21	53.48	0.	0.	61.29	0.871	19.	30	4
28002 GTWC16	RESIDUA	77.	3.11	0.315 0.25	79.9	5.92	2.52	2.66	83.01	0.	-33.03	61.07	0.868	7.	17	6

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I&SE-PEO-ADV-ENERGY-SYS | COGENERATION TECHNOLOGY ALTERNATIVES STUDY

REPORT 5.4

ECONOMIC SENSITIVITY REPORT FOR SELECTED PROCESS-ECS MATCHES

SENSITIVITY OF CAPITAL COST PERCENT OF ORIGINAL COST 100

ENERGY CONV SYSTEM	SITE-FUEL	POWER REQD MW	POWER GEN/REQD	FESR	POWER/HEAT RATIO	CAPITAL COST *10**6	************LEVELIZED ANNUAL ENERGY COSTS($ MILLIONS)*********** CAPITAL	TAXES + INSNC	OANDM	FUEL	PURCHD ELEC	REVNUE	TOTAL	NORML	PRESNT WORTH 15%	ROI %	GROSS PAY BACK
28002 CC1626	RESIDUA	77.	4.73	0.348	0.25	102.7	7.79	3.31	3.50	106.58	0.	-58.24	62.94	0.895	-11.	12	8
28002 CC1622	RESIDUA	77.	1.00	0.192	0.25	55.3	4.20	1.78	2.38	53.10	0.	0.	61.46	0.874	17.	26	4
28002 CC1622	RESIDUA	77.	4.25	0.356	0.25	110.3	8.37	3.56	3.58	97.24	0.	-50.75	61.99	0.881	-11.	12	8
28002 CC1222	RESIDUA	77.	1.00	0.194	0.25	53.8	4.09	1.74	2.36	52.98	0.	0.	61.16	0.869	18.	28	4
28002 CC1222	RESIDUA	77.	4.22	0.359	0.25	99.2	7.53	3.20	3.38	96.39	0.	-50.37	60.14	0.855	-0.	14	7
28002 CC0822	RESIDUA	77.	1.00	0.208	0.25	52.3	3.[illegible]	1.69	2.32	52.06	0.	0.	60.04	0.853	23.	32	3
28002 CC0822	RESIDUA	77.	3.34	0.360	0.25	81.0	6.15	2.61	2.87	81.46	0.	-36.61	56.48	0.803	20.	21	5
28002 STIG15	RESIDUA	77.	1.00	0.069	0.25	59.0	4.37	1.86	3.07	61.21	0.	0.	70.51	1.002	-13.	4	15
28002 STIG15	RESIDUA	77.	117.27	0.171	0.25	2177.7	161.30	68.58	136.27	2583.80	0.	*******	1133.93	16.120	-4348.	0	58
28002 STIG10	RESIDUA	77.	1.00	0.099	0.25	56.8	4.21	1.79	2.79	59.25	0.	0.	68.03	0.967	-4.	11	8
28002 STIG10	RESIDUA	77.	10.84	0.218	0.25	214.0	15.85	6.74	11.29	253.50	0.	-153.76	133.62	1.899	-284.	0	59
28002 STIG1S	RESIDUA	77.	1.00	0.113	0.25	52.4	3.88	1.65	2.71	58.35	0.	0.	66.58	0.947	3.	17	6
28002 STIG1S	RESIDUA	77.	6.36	0.228	0.25	137.7	10.20	4.34	7.39	159.34	0.	-83.76	97.51	1.386	-135.	0	61
28002 DEADV3	RESIDUA	77.	1.00	0.138	0.25	86.3	6.39	2.72	3.14	56.69	0.	0.	68.93	0.980	-21.	7	11
28002 DEADV3	RESIDUA	77.	7.24	0.286	0.25	337.6	25.01	10.63	9.46	163.87	0.	-97.49	111.46	1.585	-272.	0	73
28002 DEHTPM	RESIDUA	77.	1.00	0.205	0.25	86.4	6.40	2.72	3.21	52.25	0.	0.	64.58	0.918	-7.	12	8
28002 DEHTPM	RESIDUA	77.	3.05	0.345	0.25	177.5	13.15	5.59	5.35	78.40	0.	-32.08	70.40	1.001	-68.	5	13
28002 DESOA3	DISTILL	77.	1.00	0.116	0.25	98.9	7.32	3.11	3.46	71.21	0.	0.	85.10	1.210	-77.	0	62
28002 DESOA3	DISTILL	77.	8.45	0.248	0.25	494.7	36.64	15.58	13.45	240.81	0.	-116.33	190.15	2.703	-592.	0	61
28002 DESOA3	RESIDUA	77.	1.00	0.116	0.25	98.9	7.32	3.11	3.46	58.09	0.	0.	71.99	1.023	-36.	2	19
28002 DESOA3	RESIDUA	77.	8.45	0.248	0.25	494.7	36.64	15.58	13.45	196.45	0.	-116.33	145.79	2.072	-453.	0	67
28002 GTSOAD	DISTILL	77.	1.00	0.199	0.25	49.5	3.67	1.56	2.12	64.58	0.	0.	71.93	1.023	-13.	0	172
28002 GTSOAD	DISTILL	77.	2.54	0.312	0.25	65.2	4.83	2.05	2.26	89.39	0.	-24.00	74.53	1.060	-28.	0	75
28002 GTRA08	DISTILL	77.	1.00	0.183	0.25	58.8	4.35	1.85	2.35	65.86	0.	0.	74.42	1.058	-25.	0	69
28002 GTRA08	DISTILL	77.	4.25	0.338	0.25	122.3	9.06	3.85	3.77	122.45	0.	-50.74	88.39	1.257	-98.	0	63
28002 GTRA12	DISTILL	77.	1.00	0.188	0.25	57.5	4.26	1.81	2.32	65.48	0.	0.	73.87	1.050	-23.	0	72
28002 GTRA12	DISTILL	77.	4.14	0.345	0.25	119.3	8.83	3.76	3.68	118.93	0.	-49.01	86.19	1.225	-90.	0	65
28002 GTRA16	DISTILL	77.	1.00	0.189	0.25	59.0	4.37	1.86	2.36	65.35	0.	0.	73.94	1.051	-24.	0	74
28002 GTRA16	DISTILL	77.	3.85	0.341	0.25	119.8	8.87	3.77	3.68	113.63	0.	-44.57	85.38	1.214	-88.	0	66
28002 GTR208	DISTILL	77.	1.00	0.189	0.25	54.5	4.04	1.72	2.25	65.38	0.	0.	73.38	1.043	-20.	0	73
28002 GTR208	DISTILL	77.	3.18	0.321	0.25	88.8	6.58	2.80	[illegible].88	102.40	0.	-34.12	80.54	1.145	-58.	0	65
28002 GTR212	DISTILL	77.	1.00	0.188	0.25	55.7	4.12	1.75	[illegible].28	65.44	0.	0.	73.59	1.046	-21.	0	72
28002 GTR212	DISTILL	77.	3.42	0.327	0.25	100.7	7.46	3.17	3.19	106.50	0.	-37.72	82.59	1.174	-70.	0	65
28002 GTR216	DISTILL	77.	1.00	0.192	0.25	57.4	4.25	1.81	2.32	65.14	0.	0.	73.52	1.045	-21.	0	77
28002 GTR216	DISTILL	77.	3.50	0.336	0.25	108.1	8.01	3.40	3.38	106.93	0.	-39.08	82.64	1.175	-74.	0	67
28002 GTRW08	DISTILL	77.	1.00	0.154	0.25	55.7	4.12	1.75	2.29	68.19	0.	0.	76.35	1.085	-30.	0	61
28002 GTRW08	DISTILL	77.	5.06	0.297	0.25	123.3	9.13	3.88	3.84	148.45	0.	-63.47	101.84	1.448	-141.	0	59
28002 GTRW12	DISTILL	77.	1.00	0.165	0.25	55.6	4.12	1.75	2.28	67.28	0.	0.	75.43	1.072	-27.	0	62
28002 GTRW12	DISTILL	77.	5.14	0.320	0.25	124.2	9.20	3.91	3.86	145.24	0.	-64.63	97.58	1.387	-128.	0	60
28002 GTRW16	DISTILL	77.	1.00	0.168	0.25	56.6	4.19	1.78	2.30	67.07	0.	0.	75.35	1.071	-27.	0	63
28002 GTRW16	DISTILL	77.	4.75	0.319	0.25	122.8	9.10	3.87	3.81	136.98	0.	-58.61	95.14	1.353	-120.	0	60
28002 GTR308	DISTILL	77.	1.00	0.143	0.25	54.3	4.02	1.71	2.26	69.11	0.	0.	77.09	1.096	-31.	0	60
28002 GTR308	DISTILL	77.	3.87	0.257	0.25	93.1	6.90	2.93	3.05	128.35	0.	-44.77	96.46	1.371	-110.	0	58

ECONOMIC SENSITIVITY REPORT FOR SELECTED PROCESS-ECS MATCHES

SENSITIVITY OF CAPITAL COST — PERCENT OF ORIGINAL COST 100

**********LEVELIZED ANNUAL ENERGY COSTS($ MILLIONS)**********

ENERGY SYSTEM	CONV	SITE-FUEL	POWER REQD MW	POWER GEN/ REQD	FESRPOWER /HEAT RATIO	CAPITAL COST *10**6	CAPITAL + INSNC	TAXES	OANDM	FUEL	PURCHD ELEC	REVNUE	TOTAL	NORML	PRESNT WORTH 15%	ROI %	GROSS PAY D/T
28002	GTR312	DISTILL	77.	4.13	0.314	0.25	97.7	7.24	3.08	3.15	124.23	0.	-48.87	88.83	1.263	-88.	0	60
28002	GTR316	DISTILL	77.	1.00	0.170	0.25	55.1	4.08	1.74	2.27	66.88	0.	0.	74.96	1.066	-25.	0	63
28002	GTR316	DISTILL	77.	4.06	0.311	0.25	100.4	7.44	3.16	3.22	123.37	0.	-47.86	89.33	1.270	-91.	0	60
28002	FCPADS	DISTILL	77.	1.00	0.130	0.25	81.2	6.02	2.56	10.23	70.10	0.	0.	88.91	1.264	-82.	0	61
28002	FCPADS	DISTILL	77.	8.94	0.279	0.25	364.3	26.98	11.47	76.70	242.20	0.	-124.08	233.27	3.316	-676.	0	60
28002	FCMCDS	DISTILL	77.	1.00	0.174	0.25	84.3	6.24	2.65	9.71	66.57	0.	0.	85.18	1.211	-72.	0	63
28002	FCMCDS	DISTILL	77.	7.08	0.360	0.25	326.4	24.18	10.28	57.55	176.71	0.	-94.89	173.83	2.471	-469.	0	62
28003	ONOCGN	RESIDUA	97.	0.	0.	0.35	30.9	2.29	0.97	1.26	35.51	32.77	0.	72.81	1.000	0.	0	0
28003	STM141	RESIDUA	97.	0.52	0.156	0.35	35.9	2.72	1.16	1.54	41.94	15.80	0.	63.16	0.867	27.	84	2
28003	STM141	COAL-FG	97.	0.52	0.156	0.35	58.5	5.20	2.21	3.61	24.35	15.80	0.	51.18	0.703	49.	34	3
28003	STM141	COAL-AF	97.	0.52	0.156	0.35	53.0	4.02	1.71	3.49	24.35	15.80	0.	49.38	0.678	2.	55	2
28003	STM088	RESIDUA	97.	0.36	0.109	0.35	32.6	2.47	1.05	1.44	40.00	20.93	0.	65.89	0.905	-1.	137	1
28003	STM088	COAL-FG	97.	0.36	0.109	0.35	6[illegible].0	4.86	2.07	3.37	23.23	20.93	0.	54.44	0.748	41.	33	3
28003	STM088	COAL-AF	97.	0.36	0.109	0.35	51.1	3.88	1.65	3.37	23.23	20.93	0.	53.05	0.729	52.	51	2
28003	PFBSTM	COAL-PF	97.	0.88	0.258	0.35	68.0	5.16	2.19	6.03	27.24	3.91	0.	44.53	0.612	70.	42	3
28003	TISTMT	RESIDUA	97.	1.00	0.295	0.35	163.8	12.43	5.29	5.08	48.29	0.	0.	71.09	0.976	-59.	6	12
28003	TISTMT	RESIDUA	97.	1.19	0.322	0.35	183.1	13.89	5.91	5.34	50.74	0.	-3.77	72.11	0.990	-71.	5	13
28003	TISTMT	COAL	97.	1.00	0.295	0.35	212.9	16.16	6.87	7.72	28.04	0.	0.	58.78	0.807	-44.	10	9
28003	TISTMT	COAL	97.	1.19	0.322	0.35	230.5	17.49	7.44	7.82	29.46	0.	-3.77	58.43	0.803	-51.	10	9
28003	TIHRSG	RESIDUA	97.	0.62	0.136	0.35	164.4	12.17	5.18	4.65	46.73	12.38	0.	81.12	1.114	-88.	0	999
28003	TIHRSG	COAL	97.	0.62	0.136	0.35	208.9	15.85	6.74	7.05	27.14	12.38	0.	69.16	0.950	-74.	6	11
28003	STIRL	DISTILL	97.	1.00	0.213	0.35	82.2	6.09	2.59	3.02	66.08	0.	0.	77.78	1.068	-40.	0	131
28003	STIRL	DISTILL	97.	1.51	0.259	0.35	101.9	7.55	3.21	3.27	77.54	0.	-9.99	81.57	1.120	-61.	0	78
28003	STIRL	RESIDUA	97.	1.00	0.213	0.35	82.3	6.10	2.59	3.02	53.91	0.	0.	65.62	0.901	-2.	14	7
28003	STIRL	RESIDUA	97.	1.51	0.259	0.35	102.0	7.56	3.21	3.27	63.26	0.	-9.99	67.31	0.924	-16.	10	8
28003	STIRL	COAL	97.	1.00	0.213	0.35	143.5	10.63	4.52	6.19	31.30	0.	0.	52.64	0.723	10.	16	6
28003	STIRL	COAL	97.	1.51	0.259	0.35	180.6	13.38	5.69	6.91	36.73	0.	-9.99	52.71	0.724	-7.	14	7
28003	HEGT85	COAL-AF	97.	1.00	0.068	0.35	172.4	13.08	5.56	7.28	37.07	0.	0.	63.00	0.865	-38.	10	9
28003	HEGT85	COAL-AF	97.	7.75	0.125	0.35	749.6	56.88	24.18	28.13	148.21	0.	-132.79	124.62	1.712	-508.	0	999
28003	HEGT60	COAL-AF	97.	1.00	0.090	0.35	154.2	11.70	4.98	6.85	36.21	0.	0.	59.74	0.821	-19.	12	8
28003	HEGT60	COAL-AF	97.	2.54	0.131	0.35	244.7	18.57	7.89	10.27	60.29	0.	-30.38	66.65	0.915	-84.	7	11
28003	HEGT00	COAL-AF	97.	1.00	0.109	0.35	135.4	10.28	4.37	6.25	35.45	0.	0.	56.34	0.774	1.	15	7
28003	HEGT00	COAL-AF	97.	1.03	0.111	0.35	134.3	10.19	4.33	6.01	35.88	0.	-0.57	55.85	0.767	3.	15	6
28003	FCMCCL	COAL	97.	1.00	0.257	0.35	133.0	10.34	4.40	7.76	29.56	0.	0.	52.06	0.715	14.	17	6
28003	FCMCCL	COAL	97.	1.83	0.336	0.35	164.3	12.77	5.43	10.16	37.02	0.	-16.40	48.98	0.673	8.	15	6
28003	FCSTCL	COAL	97.	1.00	0.266	0.35	137.6	10.70	4.55	7.61	29.20	0.	0.	52.06	0.715	11.	16	6
28003	FCSTCL	COAL	97.	2.67	0.394	0.35	195.1	15.17	6.45	12.09	43.53	0.	-32.85	44.39	0.610	7.	15	6
28003	IGGTST	COAL	97.	1.00	0.209	0.35	123.0	9.56	4.07	4.95	31.47	0.	0.	50.05	0.687	25.	19	5
28003	IGGTST	COAL	97.	1.84	0.274	0.35	155.7	12.11	5.15	5.00	40.56	0.	-16.46	46.36	0.637	21.	17	6
28003	GTSOAR	RESIDUA	97.	1.00	0.215	0.35	55.1	4.08	1.74	2.26	53.77	0.	0.	61.84	0.849	23.	30	4
28003	GTSOAR	RESIDUA	97.	1.95	0.288	0.35	73.1	5.41	2.30	2.45	71.17	0.	-18.74	62.60	0.860	12.	19	5
28003	GTAC08	RESIDUA	97.	1.00	0.257	0.35	50.3	3.73	1.58	2.11	50.95	0.	0.	58.37	0.802	36.	43	3
28003	GTAC08	RESIDUA	97.	1.50	0.310	0.35	57.3	4.24	1.80	2.02	58.65	0.	-9.80	55.91	0.782	37.	37	3

ECONOMIC SENSITIVITY REPORT FOR SELECTED PROCESS-ECS MATCHES

SENSITIVITY OF CAPITAL COST — PERCENT OF ORIGINAL COST 100

ENERGY CONV SYSTEM	SITE-FUEL	POWER REQD MW	POWER GEN/ REQD	FESRPOWER /HEAT RATIO	CAPITAL COST *10**6	CAPITAL + INSNC	TAXES	OANDM	FUEL	PURCHD ELEC	REVNUE	TOTAL NORML	PRESNT WORTH 15%	ROI %	GROSS PAY PACK
						********** LEVELIZED ANNUAL ENERGY COSTS ($ MILLIONS) **********									
28003 GTAC12	RESIDUA	97.	1.88	0.333 0.35	68.6	5.08	2.16	2.32	65.02	0.	-17.23	57.35	0.788	31.	28 4
28003 GTAC16	RESIDUA	97.	1.00	0.247 0.35	53.6	3.97	1.69	2.21	51.58	0.	0.	59.45	0.817	31.	36 3
28003 GTAC16	RESIDUA	97.	2.13	0.341 0.35	78.5	5.81	2.47	2.58	69.79	0.	-22.28	58.38	0.802	23.	22 5
28003 GTWC16	RESIDUA	97.	1.00	0.225 0.35	51.0	3.77	1.60	2.16	53.08	0.	0.	60.62	0.833	29.	37 3
28003 GTWC16	RESIDUA	97.	2.22	0.315 0.35	74.0	5.48	2.33	2.49	74.58	0.	-24.05	60.83	0.835	17.	21 5
28003 CC1626	RESIDUA	97.	1.00	0.221 0.35	55.7	4.23	1.80	2.42	53.36	0.	0.	61.81	0.849	22.	28 4
28003 CC1626	RESIDUA	97.	3.37	0.348 0.35	95.0	7.21	3.06	3.27	95.76	0.	-46.70	62.61	0.860	1.	15 7
28003 CC1622	RESIDUA	97.	1.00	0.232 0.35	57.6	4.37	1.86	2.44	52.61	0.	0.	61.28	0.842	23.	28 4
28003 CC1622	RESIDUA	97.	3.03	0.356 0.35	97.5	7.40	3.15	3.23	87.37	0.	-39.97	61.18	0.840	4.	16 6
28003 CC1222	RESIDUA	97.	1.00	0.235 0.35	55.8	4.24	1.80	2.42	52.45	0.	0.	60.91	0.837	25.	30 4
28003 CC1222	RESIDUA	97.	3.01	0.359 0.35	91.3	6.93	2.95	3.15	86.60	0.	-39.62	60.00	0.824	11.	17 6
28003 CC0822	RESIDUA	97.	1.00	0.252 0.35	50.5	3.83	1.63	2.28	51.29	0.	0.	59.03	0.811	33.	40 3
28003 CC0822	RESIDUA	97.	2.39	0.360 0.35	71.9	5.46	2.32	2.61	73.19	0.	-27.27	56.32	0.773	32.	27 4
28003 STIG15	RESIDUA	97.	1.00	0.083 0.35	61.5	4.55	1.94	3.32	62.82	0.	0.	72.63	0.998	-14.	5 13
28003 STIG15	RESIDUA	97.	83.69	0.171 0.35	1960.1	145.18	61.73	122.67	2321.50	0.	*******	1025.05	14.079	-3897.	0 58
28003 STIG10	RESIDUA	97.	1.00	0.119 0.35	55.5	4.11	1.75	2.89	60.35	0.	0.	69.10	0.949	-0.	15 7
28003 STIG10	RESIDUA	97.	7.74	0.218 0.35	193.4	14.32	6.09	10.23	227.77	0.	-132.52	125.90	1.729	-243.	0 60
28003 STIG1S	RESIDUA	97.	1.00	0.136 0.35	54.1	4.01	1.71	2.89	59.22	0.	0.	67.82	0.931	5.	18 6
28003 STIG1S	RESIDUA	97.	4.54	0.228 0.35	124.6	9.23	3.92	6.71	143.17	0.	-69.62	93.40	1.283	-109.	0 63
28003 DEADV3	RESIDUA	97.	1.00	0.166 0.35	92.4	6.85	2.91	3.31	57.12	0.	0.	70.19	0.964	-21.	8 10
28003 DEADV3	RESIDUA	97.	5.17	0.286 0.35	315.2	23.34	9.92	8.86	147.23	0.	-81.97	107.39	1.475	-241.	0 79
28003 DEHTPM	RESIDUA	97.	1.00	0.248 0.35	93.4	6.92	2.94	3.40	51.53	0.	0.	64.79	0.890	-4.	13 7
28003 DEHTPM	RESIDUA	97.	2.18	0.345 0.35	160.0	11.85	5.04	4.87	70.44	0.	-23.19	69.01	0.948	-49.	7 11
28003 DESOA3	DISTILL	97.	1.00	0.141 0.35	108.3	8.02	3.41	3.71	72.19	0.	0.	87.34	1.200	-82.	0 64
28003 DESOA3	DISTILL	97.	6.03	0.248 0.35	445.1	32.96	14.02	12.17	216.36	0.	-98.89	176.62	2.426	-519.	0 61
28003 DESOA3	RESIDUA	97.	1.00	0.141 0.35	108.3	8.02	3.41	3.71	58.89	0.	0.	74.04	1.017	-40.	4 16
28003 DESOA3	RESIDUA	97.	6.03	0.248 0.35	445.1	32.96	14.02	12.17	176.51	0.	-98.89	136.77	1.878	-394.	0 68
28003 GTSOAD	DISTILL	97.	1.00	0.240 0.35	49.5	3.66	1.56	2.11	63.85	0.	0.	71.18	0.978	-4.	11 8
28003 GTSOAD	DISTILL	97.	1.81	0.312 0.35	60.1	4.45	1.89	2.11	80.32	0.	-15.93	72.84	1.000	-14.	5 14
28003 GTRA08	DISTILL	97.	1.00	0.221 0.35	61.2	4.53	1.93	2.42	65.46	0.	0.	74.33	1.021	-19.	0 999
28003 GTRA08	DISTILL	97.	3.03	0.338 0.35	111.0	8.22	3.49	3.46	110.02	0.	-39.95	85.24	1.171	-76.	0 68
28003 GTRA12	DISTILL	97.	1.00	0.227 0.35	59.9	4.44	1.89	2.38	64.97	0.	0.	73.68	1.012	-16.	2 20
28003 GTRA12	DISTILL	97.	2.95	0.345 0.35	107.7	7.97	3.39	3.37	106.86	0.	-38.40	83.19	1.143	-68.	0 73
28003 GTRA16	DISTILL	97.	1.00	0.228 0.35	63.8	4.72	2.01	2.48	64.82	0.	0.	74.03	1.017	-19.	1 23
28003 GTRA16	DISTILL	97.	2.75	0.341 0.35	108.2	8.01	3.41	3.37	102.09	0.	-34.42	82.46	1.133	-66.	0 77
28003 GTR208	DISTILL	97.	1.00	0.228 0.35	55.4	4.10	1.74	2.26	64.86	0.	0.	72.97	1.002	-12.	4 14
28003 GTR208	DISTILL	97.	2.27	0.321 0.35	79.6	5.90	2.51	2.63	92.00	0.	-25.02	78.02	1.072	-39.	0 94
28003 GTR212	DISTILL	97.	1.00	0.227 0.35	56.7	4.20	1.78	2.30	64.92	0.	0.	73.21	1.005	-13.	4 16
28003 GTR212	DISTILL	97.	2.44	0.327 0.35	85.8	6.36	2.70	2.79	95.68	0.	-28.26	79.27	1.089	-46.	0 82
28003 GTR216	DISTILL	97.	1.00	0.232 0.35	58.8	4.36	1.85	2.35	64.55	0.	0.	73.11	1.004	-14.	4 15
28003 GTR216	DISTILL	97.	2.50	0.336 0.35	92.3	6.84	2.91	2.96	96.08	0.	-29.48	79.30	1.089	-49.	0 96
28003 GTRW08	DISTILL	97.	1.00	0.186 0.35	57.5	4.26	1.81	2.34	68.39	0.	0.	76.79	1.055	-25.	0 70
28003 GTRW08	DISTILL	97.	3.61	0.297 0.35	111.9	8.29	3.52	3.53	133.38	0.	-51.39	97.33	1.337	-115.	0 60

ECONOMIC SENSITIVITY REPORT FOR SELECTED PROCESS-ECS MATCHES

SENSITIVITY OF CAPITAL COST — PERCENT OF ORIGINAL COST 100

ENERGY CONV SYSTEM	SITE-FUEL	POWER REQD MW	POWER GEN/ REQD	FESRPOWER /HEAT RATIO	CAPITAL COST *10**6	CAPITAL + INSNC	TAXES	OANDM	FUEL	PURCHD ELEC	REVNUE	TOTAL	NORML	PRESNT WORTH 15%	ROI %	GROSS PAY BACK
		********** LEVELIZED ANNUAL ENERGY COSTS($ MILLIONS) **********														
28003 GTRW12	DISTILL	97.	3.67	0.320	0.35	112.7	8.35	3.55	3.54	130.49	0.	-52.43	93.50	1.284	-103.	0	61
28003 GTRW16	DISTILL	97.	1.00	0.203	0.35	58.5	4.33	1.84	2.36	66.98	0.	0.	75.51	1.037	-21.	0	131
28003 GTRW16	DISTILL	97.	3.39	0.319	0.35	103.3	7.65	3.25	3.29	123.07	0.	-47.03	90.25	1.240	-89.	0	61
28003 GTR308	DISTILL	97.	1.00	0.172	0.35	55.7	4.13	1.75	2.30	69.54	0.	0.	77.72	1.067	-27.	0	64
28003 GTR308	DISTILL	97.	2.76	0.257	0.35	86.1	6.38	2.71	2.85	115.32	0.	-34.60	92.66	1.273	-88.	0	59
28003 GTR312	DISTILL	97.	1.00	0.207	0.35	55.4	4.10	1.74	2.28	66.63	0.	0.	74.76	1.027	-18.	0	999
28003 GTR312	DISTILL	97.	2.95	0.314	0.35	88.2	6.53	2.78	2.89	111.62	0.	-38.28	85.54	1.175	-67.	0	62
28003 GTR316	DISTILL	97.	1.00	0.206	0.35	56.7	4.20	1.79	2.31	66.73	0.	0.	75.03	1.030	-19.	0	***
28003 GTR316	DISTILL	97.	2.90	0.311	0.35	90.7	6.72	2.86	2.95	110.85	0.	-37.37	86.00	1.181	-69.	0	62
28003 FCPADS	DISTILL	97.	1.00	0.157	0.35	86.0	6.37	2.71	12.29	70.80	0.	0.	92.17	1.266	-88.	0	62
28003 FCPADS	DISTILL	97.	6.38	0.279	0.35	327.9	24.29	10.33	68.95	217.61	0.	-105.85	215.33	2.957	-595.	0	60
28003 FCMCDS	DISTILL	97.	1.00	0.210	0.35	89.5	6.63	2.82	11.63	66.35	0.	0.	87.42	1.201	-75.	0	65
28003 FCMCDS	DISTILL	97.	5.05	0.360	0.35	299.7	22.20	9.44	51.89	158.77	0.	-79.63	162.68	2.234	-414.	0	62
28121 ONOCGN	RESIDUA	120.	0.	0.	1.55	8.6	0.64	0.27	0.54	9.64	39.26	0.	50.36	1.000	0.	0	0
28121 STM141	RESIDUA	120.	0.15	0.076	1.55	12.5	0.95	0.40	0.75	11.91	33.28	0.	47.29	0.939	8.	43	3
28121 STM141	COAL-FG	120.	0.15	0.076	1.55	25.3	1.92	0.82	1.56	6.92	33.28	0.	44.49	0.883	10.	24	4
28121 STM141	COAL-AF	120.	0.15	0.076	1.55	18.5	1.40	0.60	1.40	6.92	33.28	0.	43.60	0.866	16.	39	3
28121 STM088	RESIDUA	120.	0.11	0.057	1.55	11.2	0.85	0.36	0.72	11.35	34.77	0.	48.05	0.954	6.	46	3
28121 STM088	COAL-FG	120.	0.11	0.057	1.55	23.4	1.78	0.76	1.47	6.59	34.77	0.	45.36	0.901	8.	23	4
28121 STM088	COAL-AF	120.	0.11	0.057	1.55	17.5	1.33	0.57	1.35	6.59	34.77	0.	44.60	0.886	14.	37	3
28121 PFBSTM	COAL-PF	120.	0.24	0.117	1.55	30.4	2.31	0.98	2.32	7.70	29.96	0.	43.27	0.859	11.	23	5
28121 TISTMT	RESIDUA	120.	0.31	0.154	1.55	72.8	5.52	2.35	2.31	14.41	27.00	0.	51.59	1.025	-35.	3	17
28121 TISTMT	COAL	120.	0.31	0.154	1.55	92.2	7.00	2.97	3.30	8.37	27.00	0.	48.63	0.966	-35.	6	11
28121 TIHRSG	RESIDUA	120.	0.14	0.053	1.55	61.9	4.59	1.95	1.89	12.51	33.80	0.	54.74	1.087	-39.	0	999
28121 TIHRSG	COAL	120.	0.14	0.053	1.55	79.5	6.03	2.56	2.80	7.27	33.80	0.	52.46	1.042	-41.	2	20
28121 STIRL	DISTILL	120.	0.36	0.128	1.55	30.3	2.24	0.95	1.21	21.35	25.31	0.	51.06	1.014	-12.	2	21
28121 STIRL	RESIDUA	120.	0.36	0.128	1.55	30.3	2.25	0.95	1.22	17.41	25.31	0.	47.13	0.936	-0.	14	7
28121 STIRL	COAL	120.	0.36	0.128	1.55	53.0	3.92	1.67	2.37	10.11	25.31	0.	43.38	0.862	1.	15	6
28121 HEGT85	COAL-AF	120.	1.00	0.153	1.55	154.6	11.73	4.99	6.08	24.20	0.	0.	47.00	0.933	-60.	7	11
28121 HEGT85	COAL-AF	120.	1.30	0.160	1.55	178.6	13.55	5.76	6.74	29.83	0.	-7.13	48.76	0.968	-77.	6	12
28121 HEGT60	COAL-AF	120.	0.53	0.095	1.55	93.7	7.11	3.02	3.66	15.06	18.44	0.	47.29	0.939	-31.	7	10
28121 HEGT00	COAL-AF	120.	0.23	0.045	1.55	54.0	4.10	1.74	2.29	9.61	30.23	0.	47.97	0.953	-14.	9	10
28121 FCMCCL	COAL	120.	0.42	0.178	1.55	64.8	5.04	2.14	3.54	10.04	22.96	0.	43.72	0.868	-7.	12	7
28121 FCSTCL	COAL	120.	0.66	0.296	1.55	80.2	6.24	2.65	4.42	12.35	13.29	0.	38.95	0.773	0.	15	7
28121 IGGTST	COAL	120.	0.46	0.167	1.55	62.6	4.87	2.07	2.33	11.52	21.01	0.	41.80	0.830	0.	15	7
28121 GTSOAR	RESIDUA	120.	0.43	0.160	1.55	23.2	1.72	0.73	0.97	18.96	22.21	0.	44.59	0.886	11.	27	4
28121 GTAC08	RESIDUA	120.	0.34	0.145	1.55	18.2	1.35	0.57	0.82	15.96	25.90	0.	44.60	0.886	14.	37	3
28121 GTAC12	RESIDUA	120.	0.42	0.179	1.55	21.5	1.59	0.68	0.92	17.60	22.61	0.	43.40	0.862	16.	34	3
28121 GTAC16	RESIDUA	120.	0.48	0.200	1.55	24.5	1.81	0.77	1.00	18.80	20.43	0.	42.82	0.850	16.	31	4
28121 GTWC16	RESIDUA	120.	0.50	0.189	1.55	24.0	1.78	0.76	1.00	20.26	19.47	0.	43.27	0.859	15.	30	4
28121 CC1626	RESIDUA	120.	0.83	0.310	1.55	33.1	2.51	1.07	1.42	27.19	6.70	0.	38.88	0.772	24.	30	4
28121 CC1622	RESIDUA	120.	0.75	0.293	1.55	32.8	2.49	1.06	1.37	24.78	9.94	0.	39.63	0.787	22.	29	4
28121 CC1222	RESIDUA	120.	0.74	0.295	1.55	31.1	2.36	1.00	1.35	24.59	10.05	0.	39.34	0.781	24.	31	4

ECONOMIC SENSITIVITY REPORT FOR SELECTED PROCESS-ECS MATCHES

SENSITIVITY OF CAPITAL COST — PERCENT OF ORIGINAL COST 100

ENERGY CONV SYSTEM	SITE-FUEL	POWER REQD MW	POWER GEN/ REQD	FESRPOWER /HEAT RATIO	CAPITAL COST x10**6	CAPITAL + INSNC	TAXES	OANDM	FUEL	PURCHD ELEC	REVNUE	TOTAL	NORML	PRESNT WORTH 15%	ROI %	GROSS PAY BACK
						********** LEVELIZED ANNUAL ENERGY COSTS($ MILLIONS) **********										
28121 STIG15	RESIDUA	120.	1.00	0.139	1.55	45.9	3.40	1.45	2.97	42.36	0.	0.	50.19	0.997	-17.	5 13
28121 STIG15	RESIDUA	120.	18.97	0.171	1.55	565.4	41.88	17.81	34.93	630.35	0.	-423.29	301.68	5.991	-1051.	0 58
28121 STIG10	RESIDUA	120.	1.00	0.199	1.55	42.5	3.15	1.34	2.49	39.40	0.	0.	46.38	0.921	-4.	13 7
28121 STIG10	RESIDUA	120.	1.75	0.218	1.55	62.8	4.66	1.98	3.38	61.85	0.	-17.76	54.10	1.074	-37.	0 S99
28121 STIG1S	RESIDUA	120.	1.00	0.227	1.55	39.5	2.93	1.24	2.33	38.04	0.	0.	44.55	0.885	4.	17 6
28121 STIG1S	RESIDUA	120.	1.03	0.228	1.55	39.7	2.94	1.25	2.26	38.87	0.	-0.69	44.64	0.886	3.	16 6
28121 DEADV3	RESIDUA	120.	1.00	0.287	1.55	81.0	6.00	2.55	2.76	35.06	0.	0.	46.38	0.921	-21.	9 9
28121 DEADV3	RESIDUA	120.	1.11	0.293	1.55	87.7	6.49	2.76	2.80	37.79	0.	-2.53	47.32	0.940	-28.	8 10
28121 DEHTPM	RESIDUA	120.	0.51	0.217	1.55	46.1	3.41	1.45	1.70	19.06	19.32	0.	44.94	0.893	-1.	14 7
28121 DESOA3	DISTILL	120.	1.00	0.245	1.55	101.0	7.48	3.18	3.31	45.56	0.	0.	59.54	1.182	-72.	0 115
28121 DESOA3	DISTILL	120.	1.28	0.256	1.55	124.9	9.25	3.93	3.77	54.94	0.	-6.55	65.34	1.298	-101.	0 75
28121 DESOA3	RESIDUA	120.	1.00	0.245	1.55	101.0	7.48	3.18	3.31	37.17	0.	0.	51.15	1.016	-46.	4 15
28121 DESOA3	RESIDUA	120.	1.28	0.256	1.55	124.9	9.25	3.93	3.77	44.82	0.	-6.55	55.22	1.097	-70.	1 26
28121 GTSOAD	DISTILL	120.	0.41	0.164	1.55	19.0	1.41	0.60	0.86	21.67	23.26	0.	47.78	0.949	3.	20 5
28121 GTRA08	DISTILL	120.	0.66	0.251	1.55	33.4	2.48	1.05	1.26	28.90	13.16	0.	46.85	0.930	-1.	14 7
28121 GTRA12	DISTILL	120.	0.65	0.252	1.55	31.9	2.36	1.00	1.22	28.23	13.70	0.	46.51	0.924	1.	15 6
28121 GTRA16	DISTILL	120.	0.61	0.237	1.55	32.1	2.38	1.01	1.22	27.09	15.34	0.	47.04	0.934	-1.	14 7
28121 GTR208	DISTILL	120.	0.51	0.196	1.55	25.1	1.86	0.79	1.03	24.57	19.37	0.	47.62	0.946	1.	15 6
28121 GTR212	DISTILL	120.	0.54	0.209	1.55	27.1	2.01	0.85	1.09	25.56	17.92	0.	47.43	0.942	0.	15 6
28121 GTR216	DISTILL	120.	0.56	0.219	1.55	29.0	2.15	0.91	1.13	25.64	17.40	0.	47.24	0.938	0.	15 7
28121 GTRW08	DISTILL	120.	0.79	0.252	1.55	33.5	2.48	1.05	1.29	35.15	8.05	0.	48.03	0.954	-4.	11 8
28121 GTRW12	DISTILL	120.	0.81	0.275	1.55	33.8	2.51	1.07	1.30	34.58	7.42	0.	46.87	0.931	-1.	14 7
28121 GTRW16	DISTILL	120.	0.75	0.259	1.55	33.5	2.48	1.06	1.28	32.78	9.66	0.	47.26	0.939	-2.	13 7
28121 GTR308	DISTILL	120.	0.61	0.180	1.55	27.5	2.03	0.87	1.12	30.40	15.42	0.	49.84	0.990	-7.	7 11
28121 GTR312	DISTILL	120.	0.66	0.230	1.55	28.5	2.11	0.90	1.14	29.97	13.33	0.	47.46	0.943	-0.	14 7
28121 GTR316	DISTILL	120.	0.65	0.225	1.55	29.5	2.18	0.93	1.17	29.78	13.73	0.	47.78	0.949	-2.	13 7
28121 FCPADS	DISTILL	120.	1.00	0.262	1.55	74.0	5.48	2.33	13.64	44.49	0.	0.	65.93	1.309	-81.	0 57
28121 FCPADS	DISTILL	120.	1.45	0.279	1.55	100.9	7.48	3.18	19.18	59.09	0.	-10.52	78.40	1.557	-133.	0 63
28121 FCMCDS	DISTILL	120.	1.00	0.351	1.55	78.0	5.77	2.45	12.79	39.16	0.	0.	60.19	1.195	-65.	0 97
28121 FCMCDS	DISTILL	120.	1.14	0.360	1.55	86.6	6.41	2.73	14.36	43.11	0.	-3.40	63.21	1.255	-79.	0 80
28191 ONOCGN	RESIDUA	30.	0.	0.	0.11	31.6	2.34	0.99	1.28	34.13	9.49	0.	48.22	1.000	0.	0 0
28191 STM141	RESIDUA	30.	1.00	0.136	0.11	34.8	2.64	1.12	1.73	37.72	0.	0.	43.22	0.896	14.	65 2
28191 STM141	RESIDUA	30.	1.14	0.151	0.11	33.8	2.56	1.09	1.48	38.23	0.	-0.79	42.56	0.883	16.	93 2
28191 STM141	COAL-FG	30.	1.00	0.136	0.11	70.8	5.38	2.29	3.93	21.90	0.	0.	33.50	0.695	27.	25 4
28191 STM141	COAL-FG	30.	1.14	0.151	0.11	66.0	5.01	2.13	3.46	22.20	0.	-0.79	32.00	0.664	34.	30 4
28191 STM141	COAL-AF	30.	1.00	0.136	0.11	51.8	3.93	1.67	3.65	21.90	0.	0.	31.15	0.646	43.	45 3
28191 STM141	COAL-AF	30.	1.14	0.151	0.11	50.7	3.85	1.64	3.31	22.20	0.	-0.79	30.20	0.626	47.	49 2
28191 STM088	RESIDUA	30.	0.66	0.090	0.11	30.1	2.29	0.97	1.38	36.49	3.24	0.	44.37	0.920	12.	999 0
28191 STM088	COAL-FG	30.	0.66	0.090	0.11	61.2	4.65	1.98	3.22	21.19	3.24	0.	34.27	0.711	29.	29 4
28191 STM088	COAL-AF	30.	0.66	0.090	0.11	48.5	3.68	1.57	3.19	21.19	3.24	0.	32.87	0.682	39.	48 3
28191 PFBSTM	COAL-PF	30.	1.00	0.131	0.11	65.4	4.96	2.11	4.73	22.04	0.	0.	33.84	0.702	28.	27 4
28191 PFBSTM	COAL-PF	30.	2.31	0.235	0.11	65.7	4.99	2.12	5.68	24.96	0.	-7.43	30.31	0.628	39.	32 4
28191 TISTMT	RESIDUA	30.	1.00	0.134	0.11	92.9	7.05	3.00	3.26	37.84	0.	0.	51.14	1.061	-39.	0 28

ECONOMIC SENSITIVITY REPORT FOR SELECTED PROCESS-ECS MATCHES

SENSITIVITY OF CAPITAL COST — PERCENT OF ORIGINAL COST 100

ENERGY CONV SYSTEM	SITE-FUEL	POWER REQD MW	POWER GEN/ REQD	FESRPOWER /HEAT RATIO	CAPITAL COST *10**6	CAPITAL + INSNC	TAXES	OANDM	FUEL	PURCHD ELEC	REVNUE	TOTAL	NORML	PRESNT WORTH 15%	ROI %	GROSS PAY BACK
						********** LEVELIZED ANNUAL ENERGY COSTS($ MILLIONS) **********										
28191 TISTMT	COAL	30.	1.00	0.134 0.11	132.5	10.06	4.28	5.50	21.97	0.	0.	41.81	0.867	-29.	9	9
28191 TISTMT	COAL	30.	3.25	0.291 0.11	225.3	17.10	7.27	7.59	26.83	0.	-12.82	45.97	0.953	-86.	6	12
28191 TIHRSG	RESIDUA	30.	1.00	0.070 0.11	111.4	8.25	3.51	3.61	40.65	0.	0.	56.03	1.162	-62.	0	122
28191 TIHRSG	RESIDUA	30.	2.24	0.123 0.11	180.1	13.34	5.67	5.06	48.75	0.	-7.07	65.75	1.363	-124.	0	81
28191 TIHRSG	COAL	30.	1.00	0.070 0.11	150.8	11.44	4.86	5.95	23.60	0.	0.	45.85	0.951	-50.	6	12
28191 TIHRSG	COAL	30.	2.24	0.123 0.11	228.7	17.35	7.38	7.62	28.31	0.	-7.07	53.59	1.111	-112.	2	19
28191 STIRL	DISTILL	30.	1.00	0.090 0.11	53.2	3.94	1.68	2.21	48.71	0.	0.	56.54	1.172	-36.	0	59
28191 STIRL	DISTILL	30.	4.03	0.219 0.11	97.8	7.24	3.08	3.16	69.55	0.	-17.24	65.79	1.364	-86.	0	61
28191 STIRL	RESIDUA	30.	1.00	0.090 0.11	53.2	3.94	1.68	2.21	39.74	0.	0.	47.57	0.986	-8.	7	11
28191 STIRL	RESIDUA	30.	4.03	0.219 0.11	97.9	7.25	3.08	3.16	56.74	0.	-17.24	53.00	1.099	-46.	0	999
28191 STIRL	COAL	30.	1.00	0.090 0.11	93.4	6.92	2.94	4.53	23.07	0.	0.	37.46	0.777	5.	16	6
28191 STIRL	COAL	30.	4.03	0.219 0.11	174.8	12.95	5.51	6.61	32.95	0.	-17.24	40.77	0.845	-44.	9	10
28191 HEGT60	COAL-AF	30.	1.00	-0.006 0.11	103.9	7.89	3.35	4.79	25.53	0.	0.	41.56	0.862	-14.	11	8
28191 HEGT60	COAL-AF	30.	17.29	-0.024 0.11	508.6	38.59	16.41	20.38	118.60	0.	-92.74	101.24	2.099	-396.	0	97
28191 HEGT00	COAL-AF	30.	1.00	0.037 0.11	98.4	7.46	3.17	4.67	24.42	0.	0.	39.73	0.824	-6.	13	7
28191 HEGT00	COAL-AF	30.	3.61	0.086 0.11	143.1	10.86	4.62	6.28	36.45	0.	-14.87	43.35	0.899	-39.	8	10
28191 FCMCCL	COAL	30.	1.00	0.116 0.11	99.5	7.74	3.29	5.07	22.43	0.	0.	38.52	0.799	-4.	13	7
28191 FCMCCL	COAL	30.	6.13	0.335 0.11	169.3	13.17	5.60	10.12	35.83	0.	-29.21	35.50	0.736	-29.	11	8
28191 FCSTCL	COAL	30.	1.00	0.120 0.11	98.3	7.64	3.25	5.04	22.32	0.	0.	38.25	0.793	-3.	14	7
28191 FCSTCL	COAL	30.	7.94	0.378 0.11	190.4	14.80	6.29	11.42	39.72	0.	-39.51	32.72	0.679	-31.	11	8
28191 IGGTST	COAL	30.	1.00	0.091 0.11	94.1	7.31	3.11	4.34	23.05	0.	0.	37.81	0.784	1.	15	7
28191 IGGTST	COAL	30.	5.29	0.249 0.11	151.4	11.77	5.00	4.89	36.97	0.	-24.44	34.19	0.709	-16.	12	7
28191 GTSOAR	RESIDUA	30.	1.00	0.085 0.11	42.8	3.17	1.35	1.86	39.95	0.	0.	46.33	0.961	1.	15	6
28191 GTSOAR	RESIDUA	30.	7.23	0.261 0.11	87.7	6.50	2.76	2.85	76.28	0.	-35.47	52.93	1.098	-41.	0	999
28191 GTAC08	RESIDUA	30.	1.00	0.117 0.11	40.8	3.02	1.28	1.81	38.58	0.	0.	44.69	0.927	7.	26	4
28191 GTAC08	RESIDUA	30.	4.96	0.311 0.11	58.9	4.36	1.86	2.06	56.25	0.	-22.56	41.97	0.87	7.	19	5
28191 GTAC12	RESIDUA	30.	1.00	0.114 0.11	41.5	3.07	1.31	1.82	38.68	0.	0.	44.88	0.931	6.	24	4
28191 GTAC12	RESIDUA	30.	6.24	0.333 0.11	70.8	5.24	2.23	2.38	62.56	0.	-29.81	42.61	0.884	-1.	14	7
28191 GTAC16	RESIDUA	30.	1.00	0.109 0.11	42.3	3.14	1.33	1.84	38.91	0.	0.	45.22	0.938	4.	21	5
28191 GTAC16	RESIDUA	30.	7.29	0.335 0.11	82.5	6.11	2.60	2.70	69.03	0.	-35.79	44.64	0.926	-13.	10	9
28191 GTWC16	RESIDUA	30.	1.00	0.103 0.11	42.1	3.12	1.33	1.84	39.20	0.	0.	45.49	0.943	4.	20	5
28191 GTWC16	RESIDUA	30.	7.36	0.316 0.11	76.0	5.63	2.39	2.54	71.51	0.	-36.22	45.85	0.951	-13.	9	9
28191 CC1626	RESIDUA	30.	1.00	0.099 0.11	41.9	3.18	1.35	1.94	39.37	0.	0.	45.84	0.950	2.	18	6
28191 CC1626	RESIDUA	30.	10.14	0.334 0.11	91.8	6.96	2.96	3.18	87.27	0.	-51.99	48.38	1.003	-30.	5	14
28191 CC1622	RESIDUA	30.	1.00	0.104 0.11	42.0	3.19	1.35	1.93	39.15	0.	0.	45.62	0.946	3.	19	5
28191 CC1622	RESIDUA	30.	9.08	0.341 0.11	94.1	7.14	3.04	3.14	79.71	0.	-45.98	47.05	0.976	-27.	6	12
28191 CC1222	RESIDUA	30.	1.00	0.105 0.11	41.3	3.13	1.33	1.92	39.10	0.	0.	45.49	0.943	3.	20	5
28191 CC1222	RESIDUA	30.	9.00	0.343 0.11	88.2	6.69	2.84	3.06	78.93	0.	-45.54	45.98	0.953	-20.	8	10
28191 CC0822	RESIDUA	30.	1.00	0.113 0.11	41.1	3.12	1.32	1.92	38.76	0.	0.	45.13	0.936	5.	22	5
28191 CC0822	RESIDUA	30.	7.02	0.341 0.11	69.1	5.24	2.23	2.53	66.70	0.	-34.28	42.42	0.880	-0.	14	7
28191 DEHTPM	RESIDUA	30.	1.00	0.091 0.11	59.3	4.39	1.87	2.41	39.72	0.	0.	48.40	1.004	-14.	4	14
28191 DEHTPM	RESIDUA	30.	5.90	0.258 0.11	166.7	12.35	5.25	5.05	67.16	0.	-27.91	61.89	1.283	-106.	2	107
28191 GTSOAD	DISTILL	30.	1.00	0.107 0.11	40.2	2.98	1.26	1.79	47.82	0.	0.	53.86	1.117	-22.	0	57

ECONOMIC SENSITIVITY REPORT FOR SELECTED PROCESS-ECS MATCHES

SENSITIVITY OF CAPITAL COST — PERCENT OF ORIGINAL COST 100

**********LEVELIZED ANNUAL ENERGY COSTS($ MILLIONS)**********

ENERGY SYSTEM	CONV	SITE-FUEL	POWER REQD MW	POWER GEN/ REQD	FESRPOWER /HEAT RATIO	CAPITAL COST *10**6	CAPITAL + INSNC	TAXES	OANDM	FUEL	PURCHD ELEC	REVNUE	TOTAL	NORML	PRESNT WORTH 15%	ROI %	GROSS PAY BACK
28191	GTRA08	DISTILL	30.	1.00	0.085 0.11	46.9	3.47	1.48	1.95	48.99	0.	0.	55.89	1.159	-31.	0	58
28191	GTRA08	DISTILL	30.	12.51	0.303 0.11	137.3	10.17	4.32	4.18	131.41	0.	-65.52	84.56	1.753	-163.	0	59
28191	GTRA12	DISTILL	30.	1.00	0.090 0.11	43.8	3.25	1.38	1.88	48.71	0.	0.	55.21	1.145	-28.	0	58
28191	GTRA12	DISTILL	30.	11.64	0.316 0.11	127.5	9.44	4.01	3.91	121.89	0.	-60.54	78.72	1.632	-140.	0	59
28191	GTRA16	DISTILL	30.	1.00	0.093 0.11	44.6	3.31	1.41	1.90	48.58	0.	0.	55.19	1.144	-28.	0	58
28191	GTRA16	DISTILL	30.	10.48	0.316 0.11	125.1	9.26	3.94	3.83	112.58	0.	-53.94	75.66	1.569	-130.	0	60
28191	GTR208	DISTILL	30.	1.00	0.095 0.11	42.6	3.15	1.34	1.85	48.47	0.	0.	54.81	1.137	-26.	0	57
28191	GTR208	DISTILL	30.	8.24	0.302 0.11	94.1	6.97	2.96	3.02	96.52	0.	-41.19	68.28	1.416	-92.	0	59
28191	GTR212	DISTILL	30.	1.00	0.095 0.11	43.1	3.19	1.36	1.86	48.47	0.	0.	54.88	1.138	-26.	0	58
28191	GTR212	DISTILL	30.	8.85	0.309 0.11	101.6	7.53	3.20	3.22	100.57	0.	-44.68	69.83	1.448	-101.	0	60
28191	GTR216	DISTILL	30.	1.00	0.097 0.11	43.8	3.24	1.38	1.88	48.38	0.	0.	54.88	1.138	-27.	0	58
28191	GTR216	DISTILL	30.	9.13	0.317 0.11	109.7	8.12	3.45	3.42	101.63	0.	-46.29	70.33	1.458	-106.	0	60
28191	GTRW08	DISTILL	30.	1.00	0.073 0.11	46.7	3.46	1.47	1.95	49.63	0.	0.	56.51	1.172	-33.	0	58
28191	GTRW08	DISTILL	30.	14.52	0.268 0.11	132.9	9.85	4.19	4.12	155.09	0.	-76.94	96.30	1.997	-198.	0	58
28191	GTRW12	DISTILL	30.	1.00	0.082 0.11	46.7	3.46	1.47	1.95	49.17	0.	0.	56.05	1.162	-32.	0	58
28191	GTRW12	DISTILL	30.	14.13	0.298 0.11	130.3	9.65	4.10	4.03	145.55	0.	-74.72	88.61	1.837	-173.	0	58
28191	GTRW16	DISTILL	30.	1.00	0.085 0.11	47.2	3.50	1.49	1.96	49.01	0.	0.	55.96	1.160	-32.	0	58
28191	GTRW16	DISTILL	30.	12.58	0.302 0.11	125.7	9.31	3.96	3.89	132.11	0.	-65.90	83.37	1.729	-154.	0	59
28191	GTR308	DISTILL	30.	1.00	0.066 0.11	42.6	3.15	1.34	1.86	49.99	0.	0.	56.35	1.168	-31.	0	57
28191	GTR308	DISTILL	30.	10.63	0.227 0.11	104.0	7.70	3.28	3.34	128.59	0.	-54.81	88.10	1.827	-159.	0	57
28191	GTR312	DISTILL	30.	1.00	0.090 0.11	42.5	3.15	1.34	1.85	48.74	0.	0.	55.07	1.142	-27.	0	57
28191	GTR312	DISTILL	30.	10.31	0.305 0.11	96.3	7.13	3.03	3.11	113.02	0.	-52.98	73.32	1.520	-109.	0	59
28191	GTR316	DISTILL	30.	1.00	0.089 0.11	43.1	3.20	1.36	1.86	48.76	0.	0.	55.17	1.144	-27.	0	57
28191	GTR316	DISTILL	30.	10.12	0.302 0.11	98.8	7.32	3.11	3.17	111.94	0.	-51.91	73.64	1.527	-111.	0	59
28191	FCPADS	DISTILL	30.	1.00	0.071 0.11	54.8	4.06	1.73	4.74	49.73	0.	0.	60.25	1.249	-49.	0	59
28191	FCPADS	DISTILL	30.	21.20	0.279 0.11	339.4	25.14	10.69	66.90	209.15	0.	-114.95	196.94	4.084	-619.	0	60
28191	FCMCDS	DISTILL	30.	1.00	0.095 0.11	55.8	4.13	1.76	4.55	48.44	0.	0.	58.88	1.221	-45.	0	59
28191	FCMCDS	DISTILL	30.	16.77	0.360 0.11	304.0	22.52	9.57	50.30	152.60	0.	-89.74	145.25	3.012	-438.	0	61
28192	ONOCGN	RESIDUA	61.	0.	0. 0.11	58.7	4.35	1.85	2.08	68.29	18.97	0.	95.53	1.000	0.	0	0
28192	STM141	RESIDUA	61.	1.00	0.136 0.11	60.9	4.62	1.96	2.59	75.48	0.	0.	84.65	0.886	32.	140	1
28192	STM141	RESIDUA	61.	1.14	0.151 0.11	60.0	4.55	1.93	2.28	76.49	0.	-1.60	83.66	0.876	36.	190	1
28192	STM141	COAL-FG	61.	1.00	0.136 0.11	125.7	9.54	4.05	6.46	43.83	0.	0.	63.88	0.669	66.	50	4
28192	STM141	COAL-FG	61.	1.14	0.151 0.11	128.5	9.75	4.15	6.10	44.41	0.	-1.60	62.62	0.658	68.	29	4
28192	STM141	COAL-AF	61.	1.00	0.136 0.11	96.0	7.28	3.10	6.21	43.83	0.	0.	60.42	0.632	91.	50	2
28192	STM141	COAL-AF	61.	1.14	0.151 0.11	92.2	7.00	2.98	5.78	44.41	0.	-1.60	58.58	0.613	99.	56	2
28192	STM088	RESIDUA	61.	0.66	0.090 0.11	54.0	4.10	1.74	2.12	73.03	6.48	0.	87.47	0.916	27.	999	0
28192	STM088	COAL-FG	61.	0.66	0.090 0.11	120.1	9.11	3.88	5.66	42.40	6.48	0.	67.53	0.707	57.	29	4
28192	STM088	COAL-AF	61.	0.66	0.090 0.11	89.0	6.75	2.87	5.58	42.40	6.48	0.	64.08	0.671	83.	53	2
28192	PFBSTM	COAL-PF	61.	1.00	0.131 0.11	115.5	8.78	3.73	8.09	44.11	0.	0.	64.71	0.677	68.	32	3
28192	PFBSTM	COAL-PF	61.	2.31	0.235 0.11	117.2	8.89	3.78	10.37	49.94	0.	-14.87	58.11	0.608	88.	37	3
28192	TISTMT	RESIDUA	61.	1.00	0.134 0.11	159.1	12.07	5.13	5.15	75.72	0.	0.	98.07	1.027	-57.	2	18
28192	TISTMT	RESIDUA	61.	3.25	0.291 0.11	354.3	26.89	11.43	9.64	92.47	0.	-25.67	114.96	1.203	-203.	0	999
28192	TISTMT	COAL	61.	1.00	0.134 0.11	227.1	17.23	7.33	8.99	43.96	0.	0.	77.52	0.811	-25.	12	8

ECONOMIC SENSITIVITY REPORT FOR SELECTED PROCESS-ECS MATCHES

SENSITIVITY OF CAPITAL COST — PERCENT OF ORIGINAL COST 100

ENERGY CONV SYSTEM	SITE-FUEL	POWER REQD MW	POWER GEN/ REQD	FESRPOWER /HEAT RATIO	CAPITAL COST *10**6	CAPITAL TAXES + INSNC	OANDM	FUEL	PURCHD ELEC	REVNUE	TOTAL	NORML	PRESNT WORTH 15%	ROI %	CPW-S PAY BACK
					********** LEVELIZED ANNUAL ENERGY COSTS($ MILLIONS) **********										
28192 TIHRSG	RESIDUA	61.	1.00	0.069 0.11	193.4	14.32	6.09	5.88	81.33	0.	0.	107.63	1.127	-101.	0 206
28192 TIHRSG	RESIDUA	61.	2.24	0.123 0.11	359.8	26.63	11.32	9.71	97.55	0.	-14.15	131.06	1.372	-252.	0 81
28192 TIHRSG	COAL	61.	1.00	0.069 0.11	262.8	19.94	8.48	9.94	47.22	0.	0.	85.58	0.896	-68.	8 10
28192 TIHRSG	COAL	61.	2.24	0.123 0.11	457.0	34.68	14.74	14.58	56.64	0.	-14.15	106.49	1.115	-226.	2 10
28192 STIRL	DISTILL	61.	1.00	0.090 0.11	100.1	7.41	3.15	3.62	97.46	0.	0.	111.65	1.169	-70.	0 59
28192 STIRL	DISTILL	61.	4.03	0.219 0.11	191.9	14.21	6.04	5.71	139.18	0.	-34.51	130.63	1.367	-172.	0 61
28192 STIRL	RESIDUA	61.	1.00	0.090 0.11	100.1	7.42	3.15	3.62	79.51	0.	0.	93.70	0.981	-14.	8 10
28192 STIRL	RESIDUA	61.	4.03	0.219 0.11	192.1	14.23	6.05	5.72	113.54	0.	-34.51	105.02	1.099	-92.	0 999
28192 STIRL	COAL	61.	1.00	0.090 0.11	176.1	13.04	5.54	7.78	46.17	0.	0.	72.53	0.759	17.	17 6
28192 STIRL	COAL	61.	4.03	0.219 0.11	344.6	25.52	10.85	12.33	65.93	0.	-34.51	80.12	0.839	-86.	9 9
28192 HEGT60	COAL-AF	61.	1.00	-0.006 0.11	187.0	14.19	6.03	8.21	51.07	0.	0.	79.51	0.832	-12.	13 7
28192 HEGT60	COAL-AF	61.	17.30	-0.024 0.11	1017.5	77.21	32.83	40.06	237.33	0.	-185.58	201.85	2.113	-795.	0 97
28192 HEGT00	COAL-AF	61.	1.00	0.037 0.11	167.6	12.72	5.41	7.77	48.86	0.	0.	74.76	0.783	12.	16 6
28192 HEGT00	COAL-AF	61.	3.61	0.086 0.11	234.2	17.78	7.56	10.80	72.94	0.	-29.76	79.32	0.830	-35.	11 8
28192 FCMCCL	COAL	61.	1.00	0.116 0.11	172.6	13.42	5.70	8.62	44.87	0.	0.	72.61	0.760	14.	16 6
28192 FCMCCL	COAL	61.	6.14	0.335 0.11	283.0	22.00	9.35	18.31	71.70	0.	-58.46	62.90	0.658	-11.	14 7
28192 FCSTCL	COAL	61.	1.00	0.120 0.11	170.7	13.27	5.64	8.49	44.66	0.	0.	72.07	0.754	17.	17 6
28192 FCSTCL	COAL	61.	7.95	0.378 0.11	318.2	24.74	10.52	20.58	79.48	0.	-79.06	56.26	0.589	-7.	14 7
28192 IGGTST	COAL	61.	1.00	0.091 0.11	160.6	12.49	5.31	6.91	46.13	0.	0.	70.84	0.741	26.	19 5
28192 IGGTST	COAL	61.	5.30	0.249 0.11	279.1	21.70	9.23	8.34	73.97	0.	-48.91	64.32	0.673	-12.	11 7
28192 GTSOAR	RESIDUA	61.	1.00	0.085 0.11	79.2	5.87	2.49	2.98	79.94	0.	0.	91.29	0.956	4.	16 6
28192 GTSOAR	RESIDUA	61.	7.24	0.261 0.11	157.5	11.67	4.96	4.78	152.64	0.	-70.98	103.07	1.079	-70.	0 999
28192 GTAC08	RESIDUA	61.	1.00	0.117 0.11	75.6	5.60	2.38	2.89	77.20	0.	0.	88.07	0.922	15.	23 4
28192 GTAC06	RESIDUA	61.	4.97	0.311 0.11	109.6	8.12	3.45	3.50	112.55	0.	-45.16	82.46	0.863	17.	20 5
28192 GTAC12	RESIDUA	61.	1.00	0.114 0.11	77.4	5.73	2.44	2.93	77.40	0.	0.	88.50	0.926	13.	23 4
28192 GTAC12	RESIDUA	61.	6.24	0.333 0.11	132.6	9.82	4.18	4.10	125.18	0.	-59.66	83.63	0.875	3.	15 6
28192 GTAC16	RESIDUA	61.	1.00	0.109 0.11	79.1	5.86	2.49	2.97	77.86	0.	0.	89.18	0.933	10.	23 5
28192 GTAC16	RESIDUA	61.	7.29	0.335 0.11	159.4	11.81	5.02	4.80	138.12	0.	-71.63	88.13	0.922	-24.	10 9
28192 GTWC16	RESIDUA	61.	1.00	0.103 0.11	77.8	5.76	2.45	2.94	78.44	0.	0.	89.58	0.938	10.	23 5
28192 GTWC16	RESIDUA	61.	7.37	0.316 0.11	140.0	10.37	4.41	4.33	143.09	0.	-72.48	89.72	0.939	-20.	10 9
28192 CC1626	RESIDUA	61.	1.00	0.099 0.11	77.6	5.89	2.50	3.05	78.77	0.	0.	90.21	0.944	7.	20 5
28192 CC1626	RESIDUA	61.	10.14	0.334 0.11	166.5	12.64	5.37	5.31	174.64	0.	-104.05	93.91	0.983	-47.	6 12
28192 CC1622	RESIDUA	61.	1.00	0.104 0.11	76.5	5.96	2.53	3.06	78.33	0.	0.	89.87	0.941	7.	20 5
28192 CC1622	RESIDUA	61.	9.08	0.341 0.11	170.1	12.91	5.49	5.23	159.50	0.	-92.01	91.12	0.954	-40.	8 10
28192 CC1222	RESIDUA	61.	1.00	0.105 0.11	77.3	5.86	2.49	3.04	78.24	0.	0.	89.64	0.938	9.	22 5
28192 CC1222	RESIDUA	61.	9.01	0.343 0.11	157.8	11.98	5.09	5.05	157.93	0.	-91.14	88.91	0.931	-28.	10 9
28192 CC0822	RESIDUA	61.	1.00	0.113 0.11	76.2	5.78	2.46	3.02	77.56	0.	0.	88.83	0.930	12.	25 4
28192 CC0822	RESIDUA	61.	7.03	0.341 0.11	129.4	9.82	4.18	4.27	133.47	0.	-68.61	83.12	0.870	4.	15 6
28192 DEHTPM	RESIDUA	61.	1.00	0.091 0.11	115.4	8.55	3.63	4.06	79.47	0.	0.	95.72	1.002	-27.	5 14
28192 DEHTPM	RESIDUA	61.	5.91	0.258 0.11	328.7	24.35	10.35	9.35	134.38	0.	-55.86	122.57	1.283	-211.	0 110
28192 GTSOAD	DISTILL	61.	1.00	0.107 0.11	74.9	5.55	2.36	2.87	95.69	0.	0.	106.47	1.114	-42.	0 57
28192 GTSOAD	DISTILL	61.	6.11	0.308 0.11	119.8	8.88	3.77	3.79	156.98	0.	-58.19	115.23	1.206	-90.	0 59
28192 GTSA08	DISTILL	61.	1.00	0.085 0.11	84.3	6.25	2.66	3.09	98.02	0.	0.	110.02	1.152	-57.	0 58

ECONOMIC SENSITIVITY REPORT FOR SELECTED PROCESS-ECS MATCHES

SENSITIVITY OF CAPITAL COST — PERCENT OF ORIGINAL COST 100

**********LEVELIZED ANNUAL ENERGY COSTS($ MILLIONS)**********

ENERGY CONV SYSTEM	SITE-FUEL	POWER REQD MW	POWER GEN/ REQD	FESRPOWER /HEAT RATIO	CAPITAL COST *10**6	CAPITAL + INSNC	TAXES	O&NDM	FUEL	PURCHD ELEC	REVNUE	TOTAL	NORML	PRESNT WORTH 15%	ROI %	GROSS PAY BACK	
28192 GTRA12	DISTILL	61.	1.00	0.090 0.11	81.5	6.04	2.57	3.02	97.46	0.	0.	109.09	1.142	-53.		0	57
28192 GTRA12	DISTILL	61.	11.64	0.316 0.11	234.0	17.33	7.37	6.78	243.91	0.	-121.16	154.24	1.614	-266.		0	59
28192 GTRA16	DISTILL	61.	1.00	0.093 0.11	82.8	6.13	2.61	3.06	97.21	0.	0.	109.00	1.141	-54.		0	58
28192 GTRA16	DISTILL	61.	10.48	0.316 0.11	224.0	16.59	7.05	6.51	225.27	0.	-107.95	147.47	1.544	-240.		0	59
28192 GTR208	DISTILL	61.	1.00	0.095 0.11	79.1	5.86	2.49	2.97	96.98	0.	0.	108.30	1.134	-50.		0	57
28192 GTR208	DISTILL	61.	8.24	0.302 0.11	169.7	12.57	5.34	5.10	193.14	0.	-82.43	133.73	1.400	-172.		0	59
28192 GTR212	DISTILL	61.	1.00	0.095 0.11	80.0	5.93	2.52	2.99	96.98	0.	0.	108.42	1.135	-50.		0	57
28192 GTR212	DISTILL	61.	8.65	0.309 0.11	180.7	13.38	5.69	5.39	201.23	0.	-89.41	136.28	1.426	-185.		0	59
28192 GTR216	DISTILL	61.	1.00	0.097 0.11	81.4	6.03	2.56	3.02	96.80	0.	0.	108.41	1.135	-51.		0	58
28192 GTR216	DISTILL	61.	9.14	0.317 0.11	196.2	14.53	6.18	5.78	203.36	0.	-92.64	137.21	1.436	-195.		0	60
28192 GTRW08	DISTILL	61.	1.00	0.073 0.11	83.5	6.19	2.63	3.08	99.31	0.	0.	111.20	1.164	-61.		0	57
28192 GTRW08	DISTILL	61.	14.53	0.268 0.11	241.9	17.92	7.62	7.06	310.34	0.	-153.96	188.98	1.978	-379.		0	58
28192 GTRW12	DISTILL	61.	1.00	0.082 0.11	83.5	6.18	2.63	3.07	98.39	0.	0.	110.27	1.154	-58.		0	57
28192 GTRW12	DISTILL	61.	14.14	0.298 0.11	229.0	16.96	7.21	6.72	291.24	0.	-149.53	172.60	1.807	-321.		0	58
28192 GTRW16	DISTILL	61.	1.00	0.085 0.11	84.3	6.24	2.65	3.09	98.06	0.	0.	110.05	1.152	-58.		0	58
28192 GTRW16	DISTILL	61.	12.58	0.302 0.11	220.7	16.34	6.95	6.48	264.36	0.	-131.87	162.26	1.698	-285.		0	58
28192 GTR308	DISTILL	61.	1.00	0.066 0.11	78.9	5.84	2.48	2.98	100.03	0.	0.	111.33	1.165	-59.		0	57
28192 GTR308	DISTILL	61.	10.64	0.227 0.11	180.5	13.37	5.68	5.46	257.31	0.	-109.69	172.13	1.802	-297.		0	57
28192 GTR312	DISTILL	61.	1.00	0.090 0.11	78.6	5.82	2.47	2.95	97.52	0.	0.	108.77	1.139	-51.		0	57
28192 GTR312	DISTILL	61.	10.31	0.305 0.11	173.0	12.82	5.45	5.23	226.15	0.	-106.01	143.63	1.504	-204.		0	58
28192 GTR316	DISTILL	61.	1.00	0.089 0.11	79.6	5.89	2.51	2.98	97.56	0.	0.	108.94	1.140	-52.		0	57
28192 GTR316	DISTILL	61.	10.12	0.302 0.11	178.2	13.20	5.61	5.36	223.99	0.	-103.87	144.29	1.510	-209.		0	58
28192 FCPADS	DISTILL	61.	1.00	0.071 0.11	103.0	7.63	3.24	8.84	99.49	0.	0.	119.21	1.248	-96.		0	59
28192 FCPADS	DISTILL	61.	21.21	0.279 0.11	659.3	48.83	20.76	133.06	418.52	0.	-230.02	391.16	4.094	-1225.		0	60
28192 FCMCDS	DISTILL	61.	1.00	0.095 0.11	105.2	7.79	3.31	8.47	96.92	0.	0.	116.49	1.219	-88.		0	59
28192 FCMCDS	DISTILL	61.	16.78	0.360 0.11	578.8	42.87	18.23	99.62	305.36	0.	-179.58	286.50	2.999	-854.		0	61
28212 ONOCGN	RESIDUA	4.	0.	0. 0.07	6.2	0.46	0.20	0.46	7.35	1.28	0.	9.75	1.000	0.		0	0
28212 STM141	RESIDUA	4.	1.00	0.093 0.07	9.7	0.74	0.31	0.80	7.84	0.	0.	9.69	0.995	-2.		6	12
28212 STM141	RESIDUA	4.	2.65	0.198 0.07	9.8	0.75	0.32	0.65	8.64	0.	-1.27	9.09	0.932	0.		16	6
28212 STM141	COAL-FG	4.	1.00	0.093 0.07	21.7	1.65	0.70	1.58	4.55	0.	0.	8.47	0.869	-4.		10	9
28212 STM141	COAL-FG	4.	2.65	0.198 0.07	20.1	1.52	0.65	1.30	5.02	0.	-1.27	7.22	0.741	1.		16	6
28212 STM141	COAL-AF	4.	1.00	0.093 0.07	19.7	1.49	0.63	1.48	4.55	0.	0.	8.16	0.837	-2.		12	7
28212 STM141	COAL-AF	4.	2.65	0.198 0.07	14.9	1.13	0.48	1.16	5.02	0.	-1.27	6.52	0.669	6.		25	4
28212 STM088	RESIDUA	4.	1.00	0.093 0.07	9.4	0.72	0.30	0.80	7.84	0.	0.	9.66	0.991	-1.		7	11
28212 STM088	RESIDUA	4.	1.83	0.151 0.07	8.7	0.66	0.28	0.62	8.24	0.	-0.63	9.17	0.940	1.		18	6
28212 STM088	COAL-FG	4.	1.00	0.093 0.07	21.4	1.62	0.69	1.57	4.55	0.	0.	8.43	0.865	-3.		11	8
28212 STM088	COAL-FG	4.	1.83	0.151 0.07	18.5	1.40	0.60	1.23	4.78	0.	-0.63	7.38	0.757	1.		16	6
28212 STM088	COAL-AF	4.	1.00	0.093 0.07	18.9	1.43	0.61	1.48	4.55	0.	0.	8.07	0.828	-1.		13	7
28212 STM088	COAL-AF	4.	1.83	0.151 0.07	14.0	1.06	0.45	1.12	4.78	0.	-0.63	6.78	0.696	5.		25	4
28212 PFBSTM	COAL-PF	4.	1.00	0.090 0.07	21.9	1.66	0.71	1.60	4.56	0.	0.	8.53	0.875	-4.		10	9
28212 PFBSTM	COAL-PF	4.	4.57	0.270 0.07	24.6	1.87	0.79	1.86	5.61	0.	-2.74	7.40	0.759	-2.		13	7
28212 TISTMT	RESIDUA	4.	1.00	0.091 0.07	19.7	1.50	0.64	1.03	7.85	0.	0.	11.01	1.130	-11.		0	254
28212 TISTMT	RESIDUA	4.	8.21	0.319 0.07	57.8	4.39	1.87	1.89	10.45	0.	-4.00	14.60	1.498	-40.		0	168

ECONOMIC SENSITIVITY REPORT FOR SELECTED PROCESS-ECS MATCHES

SENSITIVITY OF CAPITAL COST — PERCENT OF ORIGINAL COST 100

**********LEVELIZED ANNUAL ENERGY COSTS($ MILLIONS)**********

ENERGY CONV SYSTEM	SITE-FUEL	POWER REQD MW	POWER GEN/ REQD	FESRPOWER /HEAT RATIO	CAPITAL COST *10**6	CAPITAL + INSNC	TAXES	OANDM	FUEL	PURCHD ELEC	REVNUE	TOTAL	NORML	PRESNT WORTH 15%	ROI %	GROSS PAY BACK
28212 TISTMT	COAL	4.	6.21	0.319 0.07	73.5	5.58	2.37	2.69	6.07	0.	-4.00	12.71	1.304	-42.	0	26
28212 TIHRSG	RESIDUA	4.	1.00	0.060 0.07	25.6	1.90	0.81	1.11	8.13	0.	0.	11.94	1.225	-16.	0	68
28212 TIHRSG	RESIDUA	4.	3.41	0.149 0.07	53.3	3.95	1.68	1.65	9.99	0.	-1.85	15.41	1.581	-40.	0	80
28212 TIHRSG	COAL	4.	1.00	0.060 0.07	39.2	2.98	1.26	1.92	4.72	0.	0.	10.87	1.116	-19.	2	22
28212 TIHRSG	COAL	4.	3.41	0.149 0.07	68.4	5.19	2.21	2.43	5.80	0.	-1.85	13.78	1.414	-43.	0	999
28212 STIRL	DISTILL	4.	1.00	0.064 0.07	10.4	0.77	0.33	0.75	9.91	0.	0.	11.76	1.206	-8.	0	58
28212 STIRL	DISTILL	4.	7.35	0.243 0.07	22.8	1.69	0.72	0.98	15.60	0.	-4.87	14.13	1.449	-21.	0	61
28212 STIRL	RESIDUA	4.	1.00	0.064 0.07	10.4	0.77	0.33	0.75	8.08	0.	0.	9.93	1.019	-3.	0	27
28212 STIRL	RESIDUA	4.	7.35	0.243 0.07	22.9	1.69	0.72	0.98	12.73	0.	-4.87	11.26	1.155	-13.	0	194
28212 STIRL	COAL	4.	1.00	0.064 0.07	21.6	1.60	0.68	1.47	4.69	0.	0.	8.44	0.866	-3.	11	8
28212 STIRL	COAL	4.	7.35	0.243 0.07	40.5	3.00	1.27	1.90	7.39	0.	-4.87	8.69	0.892	-13.	7	11
28212 HEGT60	COAL-AF	4.	1.00	0.015 0.07	27.3	2.07	0.88	1.53	4.94	0.	0.	9.42	0.967	-9.	6	12
28212 HEGT60	COAL-AF	4.	16.90	0.077 0.07	97.8	7.42	3.15	3.81	15.61	0.	-12.19	17.80	1.826	-69.	0	***
28212 HEGT00	COAL-AF	4.	1.00	0.030 0.07	26.5	2.01	0.86	1.52	4.87	0.	0.	9.26	0.950	-8.	7	11
28212 HEGT00	COAL-AF	4.	5.61	0.099 0.07	46.6	3.54	1.50	1.97	7.62	0.	-3.53	11.10	1.139	-24.	2	21
28212 FCMCCL	COAL	4.	1.00	0.079 0.07	27.1	2.10	0.89	1.60	4.62	0.	0.	9.21	0.945	-9.	7	11
28212 FCMCCL	COAL	4.	9.77	0.336 0.07	54.4	4.23	1.80	2.90	7.69	0.	-6.72	9.90	1.016	-24.	5	14
28212 FCSTCL	COAL	4.	1.00	0.082 0.07	26.5	2.06	0.88	1.63	4.60	0.	0.	9.17	0.941	-8.	7	11
28212 FCSTCL	COAL	4.	14.02	0.392 0.07	64.1	4.98	2.12	3.48	8.97	0.	-9.99	9.56	0.981	-28.	5	13
28212 IGGTST	COAL	4.	1.00	0.064 0.07	26.3	2.05	0.87	1.62	4.69	0.	0.	9.23	0.947	-8.	7	11
28212 IGGTST	COAL	4.	9.62	0.271 0.07	50.6	3.94	1.67	1.97	8.35	0.	-6.61	9.32	0.956	-21.	6	12
28212 GTSOAR	RESIDUA	4.	1.00	0.063 0.07	10.0	0.74	0.32	0.70	8.10	0.	0.	9.85	1.011	-2.	2	20
28212 GTSOAR	RESIDUA	4.	10.83	0.278 0.07	20.1	1.49	0.63	0.87	15.39	0.	-7.53	10.84	1.112	-10.	0	999
28212 GTAC08	RESIDUA	4.	1.00	0.080 0.07	9.6	0.71	0.30	0.69	7.95	0.	0.	9.65	0.990	-1.	7	11
28212 GTAC08	RESIDUA	4.	7.94	0.311 0.07	15.1	1.12	0.48	0.72	12.12	0.	-5.32	9.11	0.934	-2.	10	9
28212 GTAC12	RESIDUA	4.	1.00	0.078 0.07	9.5	0.71	0.30	0.68	7.97	0.	0.	9.66	0.991	-1.	7	11
28212 GTAC12	RESIDUA	4.	10.00	0.332 0.07	17.8	1.32	0.56	0.80	13.50	0.	-6.90	9.29	0.953	-4.	6	10
28212 GTAC16	RESIDUA	4.	1.00	0.075 0.07	9.6	0.71	0.30	0.68	7.99	0.	0.	9.69	0.994	-1.	6	12
28212 GTAC16	RESIDUA	4.	11.49	0.338 0.07	20.5	1.52	0.65	0.87	14.66	0.	-8.04	9.66	0.991	-6.	5	13
28212 GTWC16	RESIDUA	4.	1.00	0.070 0.07	9.9	0.73	0.31	0.69	8.04	0.	0.	9.78	1.003	-2.	4	15
28212 GTWC16	RESIDUA	4.	11.79	0.316 0.07	20.1	1.49	0.63	0.87	15.43	0.	-8.28	10.14	1.040	-8.	2	20
28212 CC1626	RESIDUA	4.	1.00	0.068 0.07	9.8	0.74	0.32	0.76	8.05	0.	0.	9.87	1.012	-2.	2	21
28212 CC1626	RESIDUA	4.	17.74	0.347 0.07	26.1	1.98	0.84	1.19	19.72	0.	-12.84	10.90	1.118	-13.	0	999
28212 CC1622	RESIDUA	4.	1.00	0.072 0.07	9.6	0.73	0.31	0.75	8.02	0.	0.	9.81	1.006	-2.	3	17
28212 CC1622	RESIDUA	4.	15.94	0.354 0.07	25.5	1.94	0.82	1.14	18.00	0.	-11.45	10.44	1.071	-12.	1	22
28212 CC1222	RESIDUA	4.	1.00	0.072 0.07	9.4	0.71	0.30	0.75	8.02	0.	0.	9.78	1.004	-2.	4	15
28212 CC1222	RESIDUA	4.	15.84	0.357 0.07	24.2	1.83	0.78	1.12	17.84	0.	-11.38	10.19	1.046	-10.	3	18
28212 CC0822	RESIDUA	4.	1.00	0.078 0.07	9.6	0.73	0.31	0.76	7.97	0.	0.	9.76	1.002	-2.	4	14
28212 CC0822	RESIDUA	4.	12.52	0.358 0.07	20.3	1.54	0.66	1.00	15.07	0.	-8.83	9.43	0.968	-6.	7	11
28212 STIG15	RESIDUA	4.	1.00	0.026 0.07	9.7	0.72	0.31	0.72	8.42	0.	0.	10.16	1.043	-3.	0	93
28212 STIG15	RESIDUA	4.	444.51	0.171 0.07	442.5	32.77	13.93	27.14	480.80	0.	-340.07	214.58	22.014	-848.	0	58
28212 STIG10	RESIDUA	4.	1.00	0.037 0.07	9.5	0.70	0.30	0.70	8.32	0.	0.	10.03	1.029	-2.	0	999
28212 STIG10	RESIDUA	4.	41.11	0.218 0.07	48.8	3.62	1.54	2.69	47.17	0.	-30.75	24.27	2.490	-66.	0	59

ECONOMIC SENSITIVITY REPORT FOR SELECTED PROCESS-ECS MATCHES

SENSITIVITY OF CAPITAL COST — PERCENT OF ORIGINAL COST 100

ENERGY CONV SYSTEM	SITE-FUEL	POWER REQD MW	POWER GEN/ REQD	FESRPOWER /HEAT RATIO	CAPITAL COST *10**6	CAPITAL + INSNC	TAXES	OANDM	FUEL	PURCHD ELEC	REVNUE	TOTAL	NORML	PRESNT WORTH 15%	ROI %	GROSS PAY BACK
						********** LEVELIZED ANNUAL ENERGY COSTS($ MILLIONS) **********										
28212 STIG1S	RESIDUA	4.	24.12	0.228 0.07	29.7	2.20	0.93	1.79	29.65	0.	-17.73	16.84	1.728	-33.	0	60
28212 DEADV3	RESIDUA	4.	1.00	0.048 0.07	12.3	0.91	0.39	0.78	8.23	0.	0.	10.30	1.057	-5.	0	280
28212 DEADV3	RESIDUA	4.	31.04	0.271 0.07	82.1	6.08	2.58	2.64	34.48	0.	-23.03	22.75	2.334	-76.	0	66
28212 DEHTPM	RESIDUA	4.	1.00	0.071 0.07	12.7	0.94	0.40	0.82	8.03	0.	0.	10.19	1.045	-4.	0	909
28212 DEHTPM	RESIDUA	4.	10.77	0.312 0.07	36.7	2.72	1.16	1.42	14.61	0.	-7.49	12.42	1.274	-23.	0	343
28212 DESOA3	DISTILL	4.	1.00	0.040 0.07	11.3	0.84	0.36	0.75	10.17	0.	0.	12.12	1.244	-10.	0	58
28212 DESOA3	DISTILL	4.	37.17	0.232 0.07	121.1	8.97	3.81	3.66	52.02	0.	-27.74	40.73	4.179	-151.	0	60
28212 DESOA3	RESIDUA	4.	1.00	0.040 0.07	11.3	0.84	0.36	0.75	8.30	0.	0.	10.25	1.051	-4.	0	159
28212 DESOA3	RESIDUA	4.	37.17	0.232 0.07	121.1	8.97	3.81	3.66	42.43	0.	-27.74	31.15	3.196	-121.	0	64
28212 GTSOAD	DISTILL	4.	1.00	0.073 0.07	9.4	0.69	0.29	0.68	9.82	0.	0.	11.48	1.178	-7.	0	58
28212 GTSOAD	DISTILL	4.	9.71	0.310 0.07	15.9	1.18	0.50	0.75	16.80	0.	-6.68	12.55	1.288	-13.	0	60
28212 GTRA08	DISTILL	4.	1.00	0.064 0.07	10.2	0.75	0.32	0.69	9.91	0.	0.	11.68	1.198	-8.	0	58
28212 GTRA08	DISTILL	4.	17.44	0.325 0.07	30.0	2.22	0.95	1.16	24.68	0.	-12.61	16.40	1.682	-32.	0	60
28212 GTRA12	DISTILL	4.	1.00	0.067 0.07	10.1	0.75	0.32	0.69	9.89	0.	0.	11.64	1.195	-8.	0	58
28212 GTRA12	DISTILL	4.	16.73	0.334 0.07	28.1	2.08	0.88	1.10	23.60	0.	-12.06	15.61	1.602	-29.	0	60
28212 GTRA16	DISTILL	4.	1.00	0.068 0.07	10.3	0.76	0.32	0.70	9.88	0.	0.	11.66	1.196	-8.	0	58
28212 GTRA16	DISTILL	4.	15.40	0.331 0.07	28.0	2.07	0.88	1.09	22.29	0.	-11.04	15.30	1.569	-28.	0	61
28212 GTR208	DISTILL	4.	1.00	0.068 0.07	9.9	0.73	0.31	0.69	9.87	0.	0.	11.61	1.191	-8.	0	58
28212 GTR208	DISTILL	4.	12.51	0.313 0.07	21.6	1.60	0.68	0.91	19.75	0.	-8.82	14.11	1.448	-21.	0	60
28212 GTR212	DISTILL	4.	1.00	0.068 0.07	10.0	0.74	0.32	0.69	9.87	0.	0.	11.62	1.192	-8.	0	58
28212 GTR212	DISTILL	4.	13.42	0.320 0.07	23.3	1.73	0.73	0.96	20.54	0.	-9.52	14.44	1.481	-23.	0	60
28212 GTR216	DISTILL	4.	1.00	0.069 0.07	10.1	0.75	0.32	0.69	9.86	0.	0.	11.62	1.192	-8.	0	58
28212 GTR216	DISTILL	4.	13.79	0.328 0.07	24.9	1.85	0.78	1.00	20.67	0.	-9.81	14.50	1.487	-24.	0	61
28212 GTRW08	DISTILL	4.	1.00	0.054 0.07	10.2	0.76	0.32	0.70	10.02	0.	0.	11.79	1.210	-8.	0	58
28212 GTRW08	DISTILL	4.	20.60	0.286 0.07	29.9	2.22	0.94	1.18	29.65	0.	-15.03	18.96	1.945	-40.	0	59
28212 GTRW12	DISTILL	4.	1.00	0.059 0.07	10.2	0.76	0.32	0.70	9.96	0.	0.	11.74	1.205	-8.	0	58
28212 GTRW12	DISTILL	4.	20.61	0.312 0.07	29.8	2.21	0.94	1.17	28.60	0.	-15.04	17.89	1.835	-37.	0	59
28212 GTRW16	DISTILL	4.	1.00	0.061 0.07	10.4	0.77	0.33	0.70	9.95	0.	0.	11.75	1.205	-8.	0	58
28212 GTRW16	DISTILL	4.	18.81	0.312 0.07	29.3	2.17	0.92	1.15	26.62	0.	-13.66	17.20	1.764	-34.	0	59
28212 GTR308	DISTILL	4.	1.00	0.050 0.07	9.9	0.74	0.31	0.69	10.07	0.	0.	11.81	1.212	-8.	0	58
28212 GTR308	DISTILL	4.	15.59	0.244 0.07	24.3	1.80	0.77	1.02	25.41	0.	-11.19	17.81	1.827	-34.	0	58
28212 GTR312	DISTILL	4.	1.00	0.063 0.07	10.0	0.74	0.32	0.69	9.93	0.	0.	11.68	1.198	-8.	0	58
28212 GTR312	DISTILL	4.	16.01	0.310 0.07	24.4	1.81	0.77	1.01	23.64	0.	-11.51	15.72	1.612	-27.	0	59
28212 GTR316	DISTILL	4.	1.00	0.062 0.07	10.2	0.76	0.32	0.70	9.93	0.	0.	11.71	1.201	-8.	0	58
28212 GTR316	DISTILL	4.	15.74	0.307 0.07	25.2	1.86	0.79	1.03	23.46	0.	-11.30	15.84	1.625	-28.	0	59
28212 FCPADS	DISTILL	4.	1.00	0.049 0.07	10.5	0.78	0.33	1.00	10.08	0.	0.	12.19	1.250	-10.	0	58
28212 FCPADS	DISTILL	4.	33.90	0.279 0.07	79.4	5.88	2.50	14.73	45.07	0.	-25.23	42.95	4.407	-140.	0	60
28212 FCMCDS	DISTILL	4.	1.00	0.065 0.07	10.7	0.79	0.34	0.97	9.90	0.	0.	12.01	1.232	-9.	0	58
28212 FCMCDS	DISTILL	4.	26.82	0.360 0.07	68.2	5.05	2.15	11.05	32.88	0.	-19.80	31.33	3.214	-98.	0	61
28213 ONOCGN	RESIDUA	55.	0.	0. 11.73	1.2	0.09	0.04	0.16	0.54	16.72	0.	17.56	1.000	0.	0	0
28213 STM141	RESIDUA	55.	0.01	0.006 11.73	1.9	0.14	0.06	0.23	0.60	16.57	0.	17.60	1.003	-0.	0	999
28213 STM141	COAL-FG	55.	0.01	0.006 11.73	3.2	0.25	0.10	0.37	0.35	16.57	0.	17.64	1.005	-1.	1	24
28213 STM141	COAL-AF	55	0.01	0.006 11.73	3.0	0.23	0.10	0.32	0.35	16.57	0.	17.57	1.001	-1.	4	15

ECONOMIC SENSITIVITY REPORT FOR SELECTED PROCESS-ECS MATCHES

SENSITIVITY OF CAPITAL COST — PERCENT OF ORIGINAL COST 100

ENERGY CONV SYSTEM	SITE-FUEL	POWER REQD MW	POWER GEN/ REQD	FESRPOWER /HEAT RATIO	CAPITAL COST *10**6	CAPITAL + INSNC	TAXES	OANDM	FUEL	PURCHD ELEC	REVNUE	TOTAL	NORML	PRESNT WORTH 15%	ROI %	GROSS PAY BACK
		********** LEVELIZED ANNUAL ENERGY COSTS($ MILLIONS) **********														
28213 STM088	COAL-FG	55.	0.00	0.003 11.73	2.9	0.22	0.09	0.36	0.33	16.64	0.	17.65	1.005	-1.	0	30
28213 STM088	COAL-AF	55.	0.00	0.003 11.73	2.8	0.21	0.09	0.32	0.33	16.64	0.	17.60	1.002	-1.	3	19
28213 PFBSTM	COAL-PF	55.	0.02	0.011 11.73	4.6	0.35	0.15	0.40	0.39	16.40	0.	17.59	1.007	-2.	1	23
28213 TISTMT	RESIDUA	55.	0.03	0.017 11.73	8.4	0.63	0.27	0.41	0.72	16.26	0.	18.29	1.042	-6.	0	116
28213 TISTMT	COAL	55.	0.03	0.017 11.73	10.7	0.81	0.34	0.57	0.42	16.26	0.	18.41	1.048	-7.	0	691
28213 TIHRSG	RESIDUA	55.	0.02	0.007 11.73	8.2	0.61	0.26	0.33	0.75	16.40	0.	18.34	1.045	-6.	0	86
28213 TIHRSG	COAL	55.	0.02	0.007 11.73	10.6	0.80	0.34	0.49	0.43	16.40	0.	18.47	1.052	-7.	0	119
28213 STIRL	DISTILL	55.	0.04	0.016 11.73	2.0	0.15	0.06	0.21	1.13	16.06	0.	17.62	1.004	-1.	0	999
28213 STIRL	RESIDUA	55.	0.04	0.016 11.73	2.0	0.15	0.06	0.21	0.92	16.06	0.	17.41	0.992	0.	16	6
28213 STIRL	COAL	55.	0.04	0.016 11.73	3.9	0.29	0.12	0.36	0.54	16.06	0.	17.37	0.990	-1.	10	9
28213 HEGT60	COAL-AF	55.	0.11	0.006 11.73	17.8	1.35	0.57	0.73	1.32	14.90	0.	18.87	1.075	-12.	0	999
28213 HEGT00	COAL-AF	55.	0.03	0.006 11.73	7.7	0.59	0.25	0.38	0.57	16.19	0.	17.97	1.024	-4.	0	369
28213 FCMCCL	COAL	55.	0.05	0.028 11.73	8.9	0.69	0.29	0.49	0.57	15.81	0.	17.85	1.017	-5.	1	23
28213 FCSTCL	COAL	55.	0.07	0.037 11.73	9.9	0.77	0.33	0.60	0.62	15.56	0.	17.88	1.018	-5.	1	22
28213 IGGTST	COAL	55.	0.05	0.018 11.73	8.8	0.69	0.29	0.54	0.58	15.95	0.	18.05	1.028	-5.	0	999
28213 GTSOAR	RESIDUA	55.	0.06	0.025 11.73	3.3	0.24	0.10	0.23	1.16	15.68	0.	17.42	0.992	-1.	10	9
28213 GTAC08	RESIDUA	55.	0.04	0.023 11.73	2.4	0.18	0.07	0.19	0.89	15.98	0.	17.32	0.986	0.	18	6
28213 GTAC12	RESIDUA	55.	0.06	0.028 11.73	2.6	0.20	0.08	0.21	0.99	15.78	0.	17.26	0.983	0.	17	6
28213 GTAC16	RESIDUA	55.	0.06	0.032 11.73	3.0	0.22	0.09	0.22	1.08	15.64	0.	17.26	0.983	0.	16	6
28213 GTWC16	RESIDUA	55.	0.07	0.030 11.73	3.3	0.24	0.10	0.23	1.13	15.62	0.	17.33	0.987	-0.	12	7
28213 CC1626	RESIDUA	55.	0.09	0.039 11.73	4.0	0.30	0.13	0.34	1.37	15.23	0.	17.36	0.989	-1.	10	9
28213 CC1622	RESIDUA	55.	0.08	0.037 11.73	3.5	0.26	0.11	0.32	1.25	15.39	0.	17.33	0.987	-0.	11	8
28213 CC1222	RESIDUA	55.	0.08	0.037 11.73	3.3	0.25	0.11	0.31	1.24	15.40	0.	17.31	0.986	-0.	12	7
28213 CC0822	RESIDUA	55.	0.06	0.031 11.73	3.0	0.23	0.10	0.29	1.05	15.69	0.	17.36	0.989	-0.	12	8
28213 DEADV3	RESIDUA	55.	0.19	0.056 11.73	8.4	0.62	0.26	0.45	2.70	13.62	0.	17.65	1.005	-4.	4	15
28213 DEHTPM	RESIDUA	55.	0.06	0.026 11.73	4.8	0.36	0.15	0.32	1.07	15.75	0.	17.66	1.006	-2.	2	20
28213 DESOA3	DISTILL	55.	0.23	0.056 11.73	10.9	0.81	0.34	0.53	4.14	12.95	0.	18.76	1.069	-8.	0	79
28213 DESOA3	RESIDUA	55.	0.23	0.056 11.73	10.9	0.81	0.34	0.53	3.37	12.95	0.	18.00	1.025	-6.	0	28
28213 GTSOAD	DISTILL	55.	0.05	0.026 11.73	2.5	0.18	0.08	0.20	1.24	15.81	0.	17.51	0.998	-0.	7	10
28213 GTRA08	DISTILL	55.	0.10	0.041 11.73	4.6	0.34	0.14	0.28	1.90	15.01	0.	17.67	1.006	-2.	2	22
28213 GTRA12	DISTILL	55.	0.10	0.041 11.73	4.3	0.32	0.14	0.27	1.80	15.10	0.	17.62	1.004	-2.	3	17
28213 GTRA16	DISTILL	55.	0.09	0.038 11.73	4.3	0.32	0.14	0.27	1.69	15.24	0.	17.65	1.005	-2.	2	20
28213 GTR208	DISTILL	55.	0.07	0.031 11.73	3.4	0.25	0.11	0.24	1.48	15.53	0.	17.60	1.003	-1.	3	17
28213 GTR212	DISTILL	55.	0.08	0.033 11.73	3.7	0.27	0.12	0.24	1.54	15.44	0.	17.61	1.003	-1.	3	18
28213 GTR216	DISTILL	55.	0.08	0.035 11.73	3.8	0.28	0.12	0.25	1.55	15.40	0.	17.60	1.003	-1.	3	17
28213 GTRW08	DISTILL	55.	0.12	0.041 11.73	5.1	0.38	0.16	0.30	2.27	14.71	0.	17.82	1.015	-3.	0	999
28213 GTRW12	DISTILL	55.	0.12	0.045 11.73	5.1	0.38	0.16	0.30	2.17	14.73	0.	17.73	1.010	-2.	0	28
28213 GTRW16	DISTILL	55.	0.11	0.042 11.73	5.0	0.37	0.16	0.29	2.00	14.92	0.	17.74	1.010	-2.	0	29
28213 GTR308	DISTILL	55.	0.09	0.028 11.73	4.0	0.29	0.12	0.26	1.93	15.21	0.	17.82	1.015	-2.	0	135
28213 GTR312	DISTILL	55.	0.09	0.037 11.73	4.1	0.30	0.13	0.26	1.76	15.20	0.	17.65	1.006	-2.	2	22
28213 GTR316	DISTILL	55.	0.09	0.036 11.73	4.2	0.31	0.13	0.26	1.74	15.23	0.	17.69	1.007	-2.	0	26
28213 FCPADS	DISTILL	55.	0.19	0.060 11.73	7.0	0.52	0.22	1.20	3.32	13.54	0.	18.79	1.070	-7.	0	69
28213 FCMCDS	DISTILL	55.	0.15	0.064 11.73	5.9	0.44	0.19	0.91	2.42	14.20	0.	18.16	1.034	-4.	0	114

ECONOMIC SENSITIVITY REPORT FOR SELECTED PROCESS-ECS MATCHES

SENSITIVITY OF CAPITAL COST — PERCENT OF ORIGINAL COST 100

ENERGY CONV SYSTEM	SITE-FUEL	POWER REQD MW	POWER GEN/ REQD	FESRPOWER /HEAT RATIO	COST *10**6	CAPITAL	CAPITAL + INSNC	TAXES	OANDM	FUEL	PURCHD ELEC	REVNUE	TOTAL	NORML	PRESNT WORTH 15%	ROI %	GROSS PAY BACK	
						********** LEVELIZED ANNUAL ENERGY COSTS($ MILLIONS) **********												
28221	STM141 RESIDUA	8.	0.28	0.117	0.73	3.4	0.26	0.11	0.32	1.43	1.63	0.	3.76	0.965	-0.	11	8	
28221	STM141 COAL-FG	8.	0.28	0.117	0.73	6.1	0.47	0.20	0.54	0.83	1.63	0.	3.67	0.942	-1.	9	10	
28221	STM141 COAL-AF	8.	0.28	0.117	0.73	5.3	0.40	0.17	0.48	0.83	1.63	0.	3.51	0.902	-0.	12	8	
28221	STM088 RESIDUA	8.	0.21	0.085	0.73	2.9	0.22	0.10	0.31	1.36	1.81	0.	3.80	0.976	-0.	11	8	
28221	STM088 COAL-FG	8.	0.21	0.085	0.73	5.6	0.43	0.18	0.52	0.79	1.81	0.	3.73	0.957	-1.	8	10	
28221	STM088 COAL-AF	8.	0.21	0.085	0.73	5.0	0.38	0.16	0.46	0.79	1.81	0.	3.60	0.924	-1.	11	8	
28221	PFBSTM COAL-PF	8.	0.46	0.186	0.73	8.1	0.61	0.26	0.63	0.93	1.23	0.	3.66	0.940	-2.	8	10	
28221	TISTMT RESIDUA	8.	0.62	0.249	0.73	16.0	1.22	0.52	0.66	1.73	0.88	0.	5.00	1.284	-10.	0	999	
28221	TISTMT COAL	8.	0.62	0.249	0.73	20.4	1.55	0.66	0.92	1.00	0.88	0.	5.01	1.288	-12.	0	999	
28221	TIHRSG RESIDUA	8.	0.29	0.093	0.73	13.8	1.03	0.44	0.51	1.54	1.61	0.	5.12	1.314	-9.	0	100	
28221	TIHRSG COAL	8.	0.29	0.093	0.73	17.9	1.36	0.58	0.75	0.89	1.61	0.	5.18	1.332	-12.	0	999	
28221	STIRL DISTILL	8.	0.75	0.222	0.73	4.4	0.33	0.14	0.33	2.62	0.57	0.	3.99	1.024	-1.	1	24	
28221	STIRL RESIDUA	8.	0.75	0.222	0.73	4.4	0.33	0.14	0.33	2.14	0.57	0.	3.50	0.900	0.	15	6	
28221	STIRL COAL	8.	0.75	0.222	0.73	7.6	0.56	0.24	0.57	1.24	0.57	0.	3.18	0.817	-0.	13	7	
28221	HEGT85 COAL-AF	8.	1.00	0.126	0.73	24.2	1.84	0.78	1.14	1.77	0.	0.	5.53	1.420	-15.	0	999	
28221	HEGT85 COAL-AF	8.	2.75	0.160	0.73	42.6	3.23	1.37	1.57	3.66	0.	-2.40	7.43	1.909	-31.	0	***	
28221	HEGT60 COAL-AF	8.	1.00	0.148	0.73	21.9	1.66	0.71	1.00	1.72	0.	0.	5.09	1.307	-13.	0	999	
28221	HEGT60 COAL-AF	8.	1.12	0.153	0.73	22.5	1.71	0.73	0.90	1.85	0.	-0.17	5.02	1.289	-13.	0	999	
28221	HEGT00 COAL-AF	8.	0.49	0.077	0.73	12.9	0.98	0.42	0.59	1.18	1.17	0.	4.34	1.114	-7.	1	24	
28221	FCMCCL COAL	8.	0.88	0.309	0.73	15.3	1.19	0.51	0.80	1.23	0.28	0.	4.01	1.030	-7.	4	15	
28221	FCSTCL COAL	8.	1.00	0.366	0.73	17.2	1.33	0.57	1.08	1.28	0.	0.	4.27	1.095	-9.	3	18	
28221	FCSTCL COAL	8.	1.34	0.400	0.73	18.5	1.44	0.61	1.02	1.48	0.	-0.46	4.09	1.051	-9.	4	15	
28221	IGGTST COAL	8.	0.93	0.271	0.73	15.9	1.24	0.53	0.81	1.38	0.16	0.	4.12	1.057	-8.	4	16	
28221	GTSOAR RESIDUA	8.	0.92	0.277	0.73	5.4	0.40	0.17	0.32	2.33	0.19	0.	3.41	0.875	-0.	14	7	
28221	GTAC08 RESIDUA	8.	0.72	0.252	0.73	4.1	0.30	0.13	0.28	1.96	0.64	0.	3.31	0.851	1.	21	5	
28221	GTAC12 RESIDUA	8.	0.90	0.311	0.73	4.6	0.34	0.14	0.30	2.16	0.24	0.	3.18	0.817	1.	21	5	
28221	GTAC16 RESIDUA	8.	1.00	0.342	0.73	5.2	0.39	0.16	0.36	2.29	0.	0.	3.21	0.824	1.	10	6	
28221	GTAC16 RESIDUA	8.	1.01	0.343	0.73	5.2	0.38	0.16	0.32	2.31	0.	-0.02	3.15	0.810	1.	19	5	
28221	GTWC16 RESIDUA	8.	1.00	0.309	0.73	5.7	0.42	0.19	0.40	2.41	0.	0.	3.41	0.876	-0.	14	7	
28221	GTWC16 RESIDUA	8.	1.07	0.315	0.73	5.6	0.42	0.18	0.33	2.49	0.	-0.09	3.33	0.854	0.	15	6	
28221	CC1626 RESIDUA	8.	1.00	0.305	0.73	6.3	0.48	0.20	0.55	2.42	0.	0.	3.65	0.939	-1.	9	10	
28221	CC1626 RESIDUA	8.	1.68	0.354	0.73	7.6	0.58	0.25	0.50	3.26	0.	-0.94	3.65	0.937	-2.	8	10	
28221	CC1622 RESIDUA	8.	1.00	0.320	0.73	6.0	0.46	0.19	0.53	2.37	0.	0.	3.55	0.912	-1.	10	8	
28221	CC1622 RESIDUA	8.	1.52	0.362	0.73	6.9	0.52	0.22	0.47	2.98	0.	-0.71	3.48	0.895	-1.	10	8	
28221	CC1222 RESIDUA	8.	1.00	0.323	0.73	5.8	0.44	0.19	0.53	2.36	0.	0.	3.51	0.902	-1.	11	8	
28221	CC1222 RESIDUA	8.	1.51	0.365	0.73	6.5	0.50	0.21	0.46	2.95	0.	-0.70	3.43	0.880	-1.	12	8	
28221	CC0822 RESIDUA	8.	1.00	0.346	0.73	5.8	0.44	0.19	0.51	2.28	0.	0.	3.41	0.875	-0.	13	7	
28221	CC0822 RESIDUA	8.	1.20	0.367	0.73	5.9	0.44	0.19	0.43	2.50	0.	-0.27	3.29	0.844	0.	15	7	
28221	STIG15 RESIDUA	8.	1.00	0.114	0.73	6.7	0.50	0.21	0.57	3.08	0.	0.	4.36	1.120	-4.	0	182	
28221	STIG15 RESIDUA	8.	40.08	0.171	0.73	90.2	6.68	2.84	5.31	77.38	0.	-53.48	38.72	9.944	-151.	0	59	
28221	STIG10 RESIDUA	8.	1.00	0.164	0.73	6.2	0.46	0.20	0.53	2.91	0.	0.	4.10	1.052	-3.	0	29	
28221	STIG10 RESIDUA	8.	3.71	0.218	0.73	11.7	0.87	0.37	0.73	7.59	0.	-3.70	5.86	1.504	-11.	0	64	
28221	STIG1S RESIDUA	8.	1.00	0.186	0.73	5.9	0.44	0.19	0.52	2.83	0.	0.	3.98	1.022	-2.	3	18	

ECONOMIC SENSITIVITY REPORT FOR SELECTED PROCESS-ECS MATCHES

SENSITIVITY OF CAPITAL COST — PERCENT OF ORIGINAL COST 100

**********LEVELIZED ANNUAL ENERGY COSTS($ MILLIONS)**********

ENERGY CONV SYSTEM		SITE-FUEL	POWER REQD MW	POWER GEN/ REQD	FESRPOWER /HEAT RATIO	CAPITAL COST *10**6	CAPITAL + INSNC	TAXES	OANDM	FUEL	PURCHD ELEC	REVNUE	TOTAL	NORML	PRESNT WORTH 15%	ROI %	GROSS PAY BACK	
28221	DEADV3	RESIDUA	8.	1.00	0.236	0.73	8.4	0.62	0.26	0.57	2.66	0.	0.	4.11	1.055	-4.	2	22
28221	DEADV3	RESIDUA	8.	2.34	0.293	0.73	12.4	0.92	0.39	0.60	4.64	0.	-1.83	4.72	1.212	-7.	0	999
28221	DEHTPM	RESIDUA	8.	1.00	0.351	0.73	7.8	0.58	0.25	0.53	2.26	0.	0.	3.61	0.928	-2.	8	10
28221	DEHTPM	RESIDUA	8.	1.07	0.359	0.73	7.8	0.58	0.25	0.46	2.34	0.	-0.10	3.52	0.905	-2.	9	9
28221	DESGA3	DISTILL	8.	1.00	0.201	0.73	8.3	0.61	0.26	0.57	3.41	0.	0.	4.86	1.247	-6.	0	71
28221	DESGA3	DISTILL	8.	2.70	0.256	0.73	17.4	1.29	0.55	0.75	6.74	0.	-2.33	7.00	1.799	-17.	0	63
28221	DESGA3	RESIDUA	8.	1.00	0.201	0.73	8.3	0.61	0.26	0.57	2.78	0.	0.	4.23	1.086	-4.	0	999
28221	DESGA3	RESIDUA	8.	2.70	0.256	0.73	17.4	1.29	0.55	0.75	5.50	0.	-2.33	5.76	1.480	-13.	0	81
28221	GTSGAD	DISTILL	8.	0.86	0.285	0.73	4.2	0.31	0.13	0.29	2.66	0.32	0.	3.71	0.953	-0.	11	8
28221	GTRA08	DISTILL	8.	1.00	0.310	0.73	6.5	0.48	0.20	0.46	2.94	0.	0.	4.09	1.049	-3.	1	26
28221	GTRA08	DISTILL	8.	1.40	0.344	0.73	7.1	0.53	0.22	0.38	3.55	0.	-0.55	4.13	1.061	-3.	0	28
28221	GTRA12	DISTILL	8.	1.00	0.317	0.73	6.4	0.48	0.20	0.45	2.91	0.	0.	4.05	1.039	-3.	2	22
28221	GTRA12	DISTILL	8.	1.38	0.350	0.73	7.0	0.52	0.22	0.38	3.47	0.	-0.51	4.07	1.046	-3.	1	22
28221	GTRA16	DISTILL	8.	1.00	0.319	0.73	6.7	0.49	0.21	0.45	2.91	0.	0.	4.07	1.044	-3.	1	23
28221	GTRA16	DISTILL	8.	1.29	0.345	0.73	7.1	0.53	0.22	0.38	3.33	0.	-0.39	4.06	1.043	-3.	2	21
28221	GTR208	DISTILL	8.	1.00	0.317	0.73	5.7	0.42	0.18	0.40	2.91	0.	0.	3.92	1.007	-2.	4	14
28221	GTR208	DISTILL	8.	1.07	0.325	0.73	5.7	0.42	0.18	0.33	3.02	0.	-0.10	3.85	0.989	-2.	6	12
28221	GTR212	DISTILL	8.	1.00	0.316	0.73	6.0	0.45	0.19	0.43	2.92	0.	0.	3.98	1.023	-2.	3	18
28221	GTR212	DISTILL	8.	1.15	0.330	0.73	6.1	0.45	0.19	0.35	3.14	0.	-0.20	3.93	1.008	-2.	4	15
28221	GTR216	DISTILL	8.	1.00	0.322	0.73	6.2	0.46	0.20	0.43	2.89	0.	0.	3.98	1.023	-2.	3	18
28221	GTR216	DISTILL	8.	1.18	0.340	0.73	6.4	0.47	0.20	0.36	3.15	0.	-0.24	3.93	1.010	-2.	4	15
28221	GTRW08	DISTILL	8.	1.00	0.261	0.73	6.7	0.50	0.21	0.48	3.16	0.	0.	4.34	1.114	-4.	0	206
28221	GTRW08	DISTILL	8.	1.68	0.302	0.73	8.0	0.59	0.25	0.42	4.31	0.	-0.93	4.65	1.194	-5.	0	78
28221	GTRW12	DISTILL	8.	1.00	0.278	0.73	6.7	0.50	0.21	0.48	3.08	0.	0.	4.26	1.095	-3.	0	999
28221	GTRW12	DISTILL	8.	1.71	0.324	0.73	8.1	0.60	0.25	0.42	4.24	0.	-0.98	4.54	1.167	-5.	0	97
28221	GTRW16	DISTILL	8.	1.00	0.282	0.73	6.9	0.51	0.22	0.48	3.07	0.	0.	4.27	1.097	-3.	0	999
28221	GTRW16	DISTILL	8.	1.59	0.323	0.73	8.1	0.60	0.25	0.42	4.02	0.	-0.81	4.48	1.150	-5.	0	132
28221	GTR308	DISTILL	8.	1.00	0.244	0.73	6.1	0.45	0.19	0.45	3.23	0.	0.	4.32	1.108	-3.	0	121
28221	GTR308	DISTILL	8.	1.28	0.263	0.73	6.4	0.47	0.20	0.37	3.73	0.	-0.39	4.38	1.126	-4.	0	89
28221	GTR312	DISTILL	8.	1.00	0.286	0.73	6.2	0.46	0.20	0.45	3.05	0.	0.	4.16	1.068	-3.	0	999
28221	GTR312	DISTILL	8.	1.40	0.316	0.73	6.8	0.50	0.21	0.38	3.68	0.	-0.54	4.23	1.086	-3.	0	999
28221	GTR316	DISTILL	8.	1.00	0.284	0.73	6.3	0.48	0.20	0.46	3.05	0.	0.	4.20	1.078	-3.	0	999
28221	GTR316	DISTILL	8.	1.37	0.313	0.73	7.0	0.52	0.22	0.38	3.66	0.	-0.51	4.27	1.096	-4.	0	999
28221	FCPADS	DISTILL	8.	1.00	0.215	0.73	6.7	0.49	0.21	1.06	3.35	0.	0.	5.12	1.314	-6.	0	65
28221	FCPADS	DISTILL	8.	3.06	0.279	0.73	14.5	1.06	0.46	2.51	7.25	0.	-2.82	8.48	2.177	-21.	0	61
28221	FCMCDS	DISTILL	8.	1.00	0.288	0.73	6.9	0.51	0.22	1.01	3.04	0.	0.	4.78	1.228	-5.	0	74
28221	FCMCDS	DISTILL	8.	2.42	0.350	0.73	12.4	0.92	0.39	1.90	5.29	0.	-1.94	6.55	1.682	-13.	0	64
28241	ONOCGN	RESIDUA	32.	0.	0.	3.64	1.8	0.13	0.06	0.21	1.01	9.73	0.	11.14	1.000	0.	0	0
28241	STM141	RESIDUA	32.	0.04	0.022	3.64	2.9	0.22	0.09	0.30	1.16	9.34	0.	11.11	0.997	-0.	7	11
28241	STM141	COAL-FG	32.	0.04	0.022	3.64	5.2	0.39	0.17	0.49	0.67	9.34	0.	11.07	0.993	-1.	6	12
28241	STM141	COAL-AF	32.	0.04	0.022	3.64	4.5	0.34	0.15	0.43	0.67	9.34	0.	10.94	0.982	-1.	10	9
28241	STM088	RESIDUA	32.	0.03	0.014	3.64	2.4	0.18	0.08	0.28	1.11	9.48	0.	11.14	1.000	-0.	5	13
28241	STM088	COAL-FG	32.	0.03	0.014	3.64	4.7	0.36	0.15	0.47	0.64	9.48	0.	11.11	0.997	-1.	6	12

ECONOMIC SENSITIVITY REPORT FOR SELECTED PROCESS-ECS MATCHES

SENSITIVITY OF CAPITAL COST PERCENT OF ORIGINAL COST 100

ENERGY SYSTEM	CONV	SITE-FUEL	POWER REQD MW	POWER GEN/ REQD	FESRPOWER /HEAT RATIO	CAPITAL COST *10**6	CAPITAL INSNC	TAXES +	OANDM	FUEL	PURCHD ELEC	REVNUE	TOTAL	NORML	PRESNT WORTH 15%	ROI %	GROSS PAY BACK
								********** LEVELIZED ANNUAL ENERGY COSTS ($ MILLIONS) **********									
28241	PFBSTM	COAL-PF	32.	0.07	0.040 3.64	7.0	0.53	0.22	0.56	0.76	9.01	0.	11.08	0.995	-2.	5	12
28241	TISTMT	RESIDUA	32.	0.10	0.057 3.64	13.6	1.03	0.44	0.58	1.40	8.73	0.	12.19	1.094	-9.	0	407
28241	TISTMT	COAL	32.	0.10	0.057 3.64	17.4	1.32	0.56	0.82	0.82	8.73	0.	12.25	1.099	-11.	0	999
28241	TIHRSG	RESIDUA	32.	0.06	0.023 3.64	12.7	0.94	0.40	0.47	1.36	9.14	0.	12.31	1.105	-9.	0	92
28241	TIHRSG	COAL	32.	0.06	0.023 3.64	16.4	1.24	0.53	0.70	0.79	9.14	0.	12.40	1.113	-11.	0	999
28241	STIRL	DISTILL	32.	0.14	0.054 3.64	3.7	0.27	0.12	0.30	2.17	8.40	0.	11.26	1.011	-1.	0	999
28241	STIRL	RESIDUA	32.	0.14	0.054 3.64	3.7	0.27	0.12	0.30	1.77	8.40	0.	10.86	0.975	-0.	14	7
28241	STIRL	COAL	32.	0.14	0.054 3.64	6.5	0.48	0.21	0.51	1.03	8.40	0.	10.63	0.954	-1.	12	8
28241	HEGT60	COAL-AF	32.	0.28	0.033 3.64	23.8	1.81	0.77	0.95	2.00	6.96	0.	12.49	1.121	-15.	0	999
28241	HEGT00	COAL-AF	32.	0.10	0.019 3.64	11.9	0.90	0.38	0.55	1.04	8.75	0.	11.62	1.043	-6.	0	28
28241	FCMCCL	COAL	32.	0.18	0.085 3.64	13.8	1.07	0.46	0.73	1.06	8.01	0.	11.32	1.016	-7.	4	16
28241	FCSTCL	COAL	32.	0.24	0.120 3.64	15.9	1.23	0.52	0.89	1.21	7.39	0.	11.24	1.009	-7.	4	14
28241	IGGTST	COAL	32.	0.16	0.063 3.64	13.7	1.07	0.45	0.73	1.12	8.15	0.	11.52	1.034	-7.	2	20
28241	GTSOAR	RESIDUA	32.	0.19	0.076 3.64	5.0	0.37	0.16	0.31	2.10	7.85	0.	10.78	0.968	-0.	12	7
28241	GTAC08	RESIDUA	32.	0.14	0.070 3.64	3.8	0.28	0.12	0.26	1.67	8.33	0.	10.66	0.957	1.	20	5
28241	GTAC12	RESIDUA	32.	0.18	0.086 3.64	4.2	0.31	0.13	0.28	1.86	7.97	0.	10.56	0.947	1.	20	5
28241	GTAC16	RESIDUA	32.	0.21	0.095 3.64	4.7	0.35	0.15	0.30	2.01	7.71	0.	10.53	0.945	1.	18	6
28241	GTWC16	RESIDUA	32.	0.21	0.091 3.64	5.1	0.38	0.16	0.31	2.13	7.65	0.	10.63	0.954	0.	15	7
28241	CC1626	RESIDUA	32.	0.31	0.126 3.64	6.4	0.49	0.21	0.45	2.65	6.75	0.	10.54	0.946	-0.	13	7
28241	CC1622	RESIDUA	32.	0.27	0.119 3.64	5.7	0.44	0.19	0.42	2.42	7.06	0.	10.52	0.944	0.	15	7
28241	CC1222	RESIDUA	32.	0.27	0.119 3.64	5.4	0.41	0.18	0.42	2.40	7.08	0.	10.48	0.941	0.	16	6
28241	CC0822	RESIDUA	32.	0.21	0.100 3.64	4.9	0.37	0.16	0.39	2.03	7.65	0.	10.59	0.951	0.	16	6
28241	STIG15	RESIDUA	32.	1.00	0.157 3.64	14.8	1.10	0.47	1.08	9.12	0.	0.	11.77	1.056	-8.	0	29
28241	STIG15	RESIDUA	32.	8.05	0.171 3.64	76.8	5.69	2.42	4.60	66.32	0.	-41.18	37.85	3.397	-119.	0	59
28241	STIG10	RESIDUA	32.	0.74	0.167 3.64	10.5	0.78	0.33	0.66	6.51	2.48	0.	10.76	0.966	-3.	8	10
28241	STIG1S	RESIDUA	32.	0.44	0.112 3.64	7.2	0.53	0.23	0.49	4.09	5.48	0.	10.82	0.971	-2.	9	9
28241	DEADV3	RESIDUA	32.	0.54	0.161 3.64	12.3	0.91	0.39	0.60	4.58	4.46	0.	10.93	0.981	-4.	6	11
28241	DEHTPM	RESIDUA	32.	0.20	0.088 3.64	7.2	0.53	0.23	0.43	2.02	7.79	0.	10.99	0.986	-2.	7	11
28241	DESOA3	DISTILL	32.	0.64	0.160 3.64	17.7	1.31	0.56	0.76	6.86	3.47	0.	12.95	1.162	-13.	0	87
28241	DESOA3	RESIDUA	32.	0.64	0.160 3.64	17.7	1.31	0.56	0.76	5.60	3.47	0.	11.69	1.049	-9.	1	22
28241	GTSOAD	DISTILL	32.	0.18	0.078 3.64	3.9	0.29	0.12	0.27	2.31	8.02	0.	11.02	0.989	-1.	9	9
28241	GTRA08	DISTILL	32.	0.31	0.123 3.64	6.8	0.50	0.21	0.37	3.32	6.73	0.	11.14	1.000	-2.	5	13
28241	GTRA12	DISTILL	32.	0.30	0.122 3.64	6.7	0.49	0.21	0.36	3.19	6.84	0.	11.10	0.996	-2.	6	12
28241	GTRA16	DISTILL	32.	0.27	0.114 3.64	6.7	0.50	0.21	0.36	3.03	7.06	0.	11.15	1.001	-2.	5	14
28241	GTR208	DISTILL	32.	0.22	0.094 3.64	5.3	0.39	0.17	0.32	2.70	7.55	0.	11.12	0.998	-2.	5	13
28241	GTR212	DISTILL	32.	0.24	0.100 3.64	5.7	0.42	0.18	0.33	2.80	7.39	0.	11.12	0.998	-2.	5	13
28241	GTR216	DISTILL	32.	0.25	0.105 3.64	5.9	0.44	0.19	0.34	2.82	7.33	0.	11.11	0.997	-2.	5	13
28241	GTRW08	DISTILL	32.	0.37	0.123 3.64	7.6	0.57	0.24	0.41	4.00	6.13	0.	11.39	1.022	-4.	0	26
28241	GTRW12	DISTILL	32.	0.37	0.134 3.64	7.6	0.57	0.24	0.40	3.88	6.16	0.	11.25	1.009	-3.	3	17
28241	GTRW16	DISTILL	32.	0.34	0.125 3.64	7.6	0.56	0.24	0.40	3.62	6.46	0.	11.27	1.012	-3.	3	18
28241	GTR308	DISTILL	32.	0.28	0.086 3.64	6.1	0.45	0.19	0.35	3.44	7.03	0.	11.47	1.029	-3.	0	999
28241	GTR312	DISTILL	32.	0.29	0.111 3.64	6.3	0.46	0.20	0.36	3.24	6.93	0.	11.18	1.004	-2.	4	15
28241	GTR316	DISTILL	32.	0.28	0.108 3.64	6.5	0.48	0.20	0.36	3.22	6.97	0.	11.24	1.008	-2.	3	17

COGENERATION TECHNOLOGY ALTERNATIVES STUDY

REPORT 5.4

ECONOMIC SENSITIVITY REPORT FOR SELECTED PROCESS-ECS MATCHES

SENSITIVITY OF CAPITAL COST — PERCENT OF ORIGINAL COST 100

ENERGY CONV SYSTEM	SITE-FUEL	POWER REQD MW	POWER GEN/REQD	FESR	POWER/HEAT RATIO	CAPITAL COST *10**6	CAPITAL	TAXES + INSNC	OANDM	FUEL	PURCHD ELEC	REVNUE	TOTAL	NORML	PRESNT WORTH 15%	ROI %	GROSS PAY BACK
							************LEVELIZED ANNUAL ENERGY COSTS($ MILLIONS)************										
28241 FCMCDS	DISTILL	32.	0.49	0.192	3.64	10.7	0.80	0.34	1.64	4.54	5.00	0.	12.31	1.105	-8.	0	108
28242 ONOCGN	RESIDUA	11.	0.	0.	1.63	1.5	0.11	0.05	0.19	0.86	3.71	0.	4.92	1.000	0.	0	0
28242 STM141	RESIDUA	11.	0.17	0.085	1.63	2.9	0.22	0.09	0.29	1.10	3.09	0.	4.78	0.972	-0.	12	8
28242 STM141	COAL-FG	11.	0.17	0.085	1.63	4.9	0.37	0.16	0.47	0.64	3.09	0.	4.72	0.960	-1.	9	9
28242 STM141	COAL-AF	11.	0.17	0.085	1.63	4.4	0.33	0.14	0.41	0.64	3.09	0.	4.61	0.938	-0.	12	8
28242 STM088	RESIDUA	11.	0.13	0.066	1.63	2.4	0.19	0.08	0.27	1.05	3.23	0.	4.81	0.977	-0.	12	8
28242 STM088	COAL-FG	11.	0.13	0.066	1.63	4.5	0.34	0.14	0.45	0.61	3.23	0.	4.76	0.968	-1.	8	10
28242 STM088	COAL-AF	11.	0.13	0.066	1.63	4.1	0.31	0.13	0.40	0.61	3.23	0.	4.68	0.951	-1.	11	8
28242 PFBSTM	COAL-PF	11.	0.25	0.125	1.63	6.5	0.50	0.21	0.53	0.71	2.78	0.	4.73	0.961	-2.	8	10
28242 TISTMT	RESIDUA	11.	0.32	0.162	1.63	12.4	0.94	0.40	0.54	1.33	2.51	0.	5.72	1.162	-8.	0	999
28242 TISTMT	COAL	11.	0.32	0.162	1.63	15.8	1.20	0.51	0.76	0.77	2.51	0.	5.74	1.167	-9.	0	999
28242 TIHRSG	RESIDUA	11.	0.13	0.055	1.63	10.0	0.74	0.31	0.39	1.09	3.23	0.	5.77	1.172	-7.	0	108
28242 TIHRSG	COAL	11.	0.13	0.055	1.63	12.9	0.98	0.42	0.58	0.63	3.23	0.	5.84	1.187	-8.	0	999
28242 STIRL	DISTILL	11.	0.36	0.135	1.63	3.1	0.23	0.10	0.27	1.97	2.36	0.	4.92	1.000	-1.	5	13
28242 STIRL	RESIDUA	11.	0.36	0.135	1.63	3.1	0.23	0.10	0.27	1.60	2.36	0.	4.56	0.926	0.	10	5
28242 STIRL	COAL	11.	0.36	0.135	1.63	5.6	0.41	0.18	0.46	0.93	2.36	0.	4.34	0.882	-0.	14	7
28242 HEGT85	COAL-AF	11.	0.81	0.190	1.63	23.4	1.78	0.76	0.90	1.75	0.72	0.	5.90	1.200	-14.	0	27
28242 HEGT60	COAL-AF	11.	0.43	0.104	1.63	15.2	1.15	0.49	0.64	1.17	2.10	0.	5.54	1.126	-9.	0	27
28242 HEGT00	COAL-AF	11.	0.21	0.047	1.63	9.4	0.71	0.30	0.45	0.83	2.93	0.	5.23	1.063	-5.	1	24
28242 FCMCCL	COAL	11.	0.39	0.171	1.63	11.4	0.89	0.38	0.62	0.90	2.26	0.	5.04	1.024	-5.	4	15
28242 FCSTCL	COAL	11.	0.67	0.301	1.63	14.5	1.13	0.48	0.83	1.14	1.24	0.	4.82	0.979	-6.	5	13
28242 IGGTST	COAL	11.	0.47	0.174	1.63	12.6	0.98	0.42	0.69	1.06	1.95	0.	5.11	1.038	-6.	4	16
28242 GTSOAR	RESIDUA	11.	0.40	0.154	1.63	3.9	0.29	0.12	0.26	1.63	2.24	0.	4.55	0.924	0.	15	6
28242 GTAC08	RESIDUA	11.	0.32	0.139	1.63	3.0	0.23	0.10	0.23	1.44	2.51	0.	4.49	0.914	1.	21	5
28242 GTAC12	RESIDUA	11.	0.40	0.172	1.63	3.4	0.25	0.11	0.24	1.56	2.23	0.	4.39	0.892	1.	22	5
28242 GTAC16	RESIDUA	11.	0.44	0.191	1.63	3.7	0.28	0.12	0.25	1.65	2.06	0.	4.35	0.885	1.	20	5
28242 GTWC16	RESIDUA	11.	0.48	0.181	1.63	4.2	0.31	0.13	0.27	1.82	1.94	0.	4.46	0.908	0.	16	6
28242 CC1626	RESIDUA	11.	0.83	0.316	1.63	6.0	0.46	0.19	0.43	2.51	0.63	0.	4.22	0.857	0.	15	7
28242 CC1622	RESIDUA	11.	0.75	0.298	1.63	5.3	0.41	0.17	0.40	2.28	0.94	0.	4.20	0.854	0.	16	6
28242 CC1222	RESIDUA	11.	0.75	0.300	1.63	5.1	0.39	0.17	0.40	2.27	0.94	0.	4.16	0.846	1.	17	6
28242 CC0822	RESIDUA	11.	0.60	0.259	1.63	4.7	0.35	0.15	0.37	1.92	1.48	0.	4.27	0.839	0.	17	6
28242 STIG15	RESIDUA	11.	1.00	0.141	1.63	7.6	0.56	0.24	0.64	3.95	0.	0.	5.39	1.097	-4.	0	999
28242 STIG15	RESIDUA	11.	17.96	0.171	1.63	59.2	4.38	1.86	3.79	56.38	0.	-37.74	28.68	5.830	-102.	0	59
28242 STIG10	RESIDUA	11.	1.00	0.201	1.63	6.8	0.51	0.22	0.55	3.67	0.	0.	4.95	1.006	-3.	4	14
28242 STIG10	RESIDUA	11.	1.66	0.218	1.63	8.6	0.64	0.27	0.57	5.53	0.	-1.47	5.55	1.128	-5.	0	***
28242 STIG1S	RESIDUA	11.	0.97	0.223	1.63	6.0	0.44	0.19	0.43	3.48	0.09	0.	4.63	0.941	-1.	10	9
28242 DEADV3	RESIDUA	11.	0.93	0.292	1.63	8.4	0.62	0.26	0.45	3.01	0.25	0.	4.59	0.934	-2.	8	10
28242 DEHTPM	RESIDUA	11.	0.50	0.231	1.63	5.9	0.44	0.19	0.37	1.68	1.84	0.	4.52	0.919	-1.	11	8
28242 DESOA3	DISTILL	11.	1.00	0.270	1.63	9.9	0.73	0.31	0.55	4.12	0.	0.	5.72	1.162	-6.	0	165
28242 DESOA3	DISTILL	11.	1.05	0.273	1.63	10.2	0.75	0.32	0.51	4.28	0.	-0.12	5.74	1.168	-7.	0	148
28242 DESOA3	RESIDUA	11.	1.00	0.270	1.63	9.9	0.73	0.31	0.55	3.36	0.	0.	4.96	1.008	-4.	4	14
28242 DESOA3	RESIDUA	11.	1.05	0.273	1.63	10.2	0.75	0.32	0.51	3.49	0.	-0.12	4.96	1.007	-4.	4	14
28242 GTSOAD	DISTILL	11.	0.38	0.158	1.63	3.1	0.23	0.10	0.24	1.90	2.30	0.	4.77	0.969	-0.	11	8

ECONOMIC SENSITIVITY REPORT FOR SELECTED PROCESS-ECS MATCHES

SENSITIVITY OF CAPITAL COST — PERCENT OF ORIGINAL COST 100

**********LEVELIZED ANNUAL ENERGY COSTS($ MILLIONS)**********

ENERGY CONV SYSTEM		SITE-FUEL	POWER REQD MW	POWER GEN/ REQD	FESRPOWER /HEAT RATIO	CAPITAL COST *10**6	CAPITAL + INSNC	TAXES	OANDM	FUEL	PURCHD ELEC	REVNUE	TOTAL	NORML	PRESNT WORTH 15%	ROI %	GROSS PAY BACK
28242	GTRA12	DISTILL	11.	0.59	0.238	1.63	5.0	0.37	0.16	0.30	2.40	1.54	0.	4.76	0.968	-1.	8	10
28242	GTRA16	DISTILL	11.	0.55	0.225	1.63	5.1	0.38	0.16	0.30	2.32	1.66	0.	4.82	0.980	-1.	7	11
28242	GTR208	DISTILL	11.	0.46	0.187	1.63	4.1	0.30	0.13	0.27	2.12	1.99	0.	4.81	0.979	-1.	8	10
28242	GTR212	DISTILL	11.	0.50	0.200	1.63	4.4	0.33	0.14	0.28	2.21	1.86	0.	4.82	0.980	-1.	7	10
28242	GTR216	DISTILL	11.	0.51	0.208	1.63	4.6	0.34	0.14	0.28	2.21	1.82	0.	4.80	0.977	-1.	8	10
28242	GTRW08	DISTILL	11.	0.71	0.239	1.63	5.8	0.43	0.18	0.33	2.97	1.07	0.	4.99	1.014	-2.	4	16
28242	GTRW12	DISTILL	11.	0.73	0.259	1.63	5.9	0.44	0.19	0.33	2.95	0.99	0.	4.90	0.996	-2.	5	13
28242	GTRW16	DISTILL	11.	0.69	0.245	1.63	5.9	0.44	0.19	0.33	2.82	1.16	0.	4.94	1.003	-2.	5	14
28242	GTR308	DISTILL	11.	0.54	0.173	1.63	4.6	0.34	0.14	0.29	2.55	1.71	0.	5.03	1.023	-2.	1	23
28242	GTR312	DISTILL	11.	0.61	0.219	1.63	5.0	0.37	0.16	0.30	2.61	1.45	0.	4.89	0.994	-2.	5	12
28242	GTR316	DISTILL	11.	0.60	0.215	1.63	5.2	0.38	0.16	0.31	2.60	1.48	0.	4.93	1.003	-2.	4	14
28242	FCPADS	DISTILL	11.	1.00	0.265	1.63	8.0	0.59	0.25	1.47	4.14	0.	0.	6.46	1.313	-8.	0	67
28242	FCPADS	DISTILL	11.	1.37	0.279	1.63	9.7	0.72	0.31	1.82	5.29	0.	-0.82	7.31	1.487	-12.	0	64
28242	FCMCDS	DISTILL	11.	1.00	0.354	1.63	8.1	0.60	0.26	1.36	3.64	0.	0.	5.85	1.190	-6.	0	97
28242	FCMCDS	DISTILL	11.	1.08	0.360	1.63	8.4	0.62	0.27	1.38	3.86	0.	-0.19	5.94	1.208	-7.	0	89
28651	ONOCGN	RESIDUA	4.	0.	0.	0.03	16.5	1.22	0.52	0.81	10.48	1.34	0.	14.37	1.000	0.	0	0
28651	STM141	RESIDUA	4.	1.00	0.071	0.03	20.1	1.53	0.65	1.17	10.99	0.	0.	14.34	0.997	-2.	5	13
28651	STM141	RESIDUA	4.	8.28	0.322	0.03	22.0	1.67	0.71	1.09	14.68	0.	-5.84	12.31	0.857	4.	21	4
28651	STM141	COAL-FG	4.	1.00	0.071	0.03	35.6	2.70	1.15	2.31	6.38	0.	0.	12.54	0.872	-4.	11	8
28651	STM141	COAL-FG	4.	8.28	0.322	0.03	40.1	3.04	1.29	2.29	8.53	0.	-5.84	9.31	0.647	4.	17	6
28651	STM141	COAL-AF	4.	1.00	0.071	0.03	33.9	2.57	1.09	2.22	6.38	0.	0.	12.27	0.854	-2.	12	7
28651	STM141	COAL-AF	4.	8.28	0.322	0.03	34.0	2.58	1.10	2.22	8.53	0.	-5.84	8.58	0.597	9.	23	5
28651	STM088	RESIDUA	4.	1.00	0.071	0.03	19.9	1.51	0.64	1.18	10.99	0.	0.	14.32	0.997	-2.	6	12
28651	STM088	RESIDUA	4.	6.27	0.278	0.03	20.0	1.51	0.64	1.03	13.66	0.	-4.23	12.62	0.878	4.	29	4
28651	STM088	COAL-FG	4.	1.00	0.071	0.03	35.8	2.72	1.16	2.33	6.38	0.	0.	12.58	0.875	-4.	11	8
28651	STM088	COAL-FG	4.	6.27	0.278	0.03	37.3	2.83	1.20	2.15	7.93	0.	-4.23	9.89	0.688	4.	17	6
28651	STM088	COAL-AF	4.	1.00	0.071	0.03	34.0	2.58	1.10	2.25	6.38	0.	0.	12.30	0.856	-2.	12	8
28651	STM088	COAL-AF	4.	6.27	0.278	0.03	32.7	2.48	1.05	2.15	7.93	0.	-4.23	9.39	0.653	8.	22	5
28651	PFBSTM	COAL-PF	4.	1.00	0.070	0.03	34.4	2.61	1.11	2.28	6.39	0.	0.	12.38	0.862	-3.	12	8
28651	PFBSTM	COAL-PF	4.	12.74	0.381	0.03	47.3	3.59	1.53	3.66	9.93	0.	-9.42	9.28	0.646	1.	15	7
28651	TISTMT	RESIDUA	4.	1.00	0.070	0.03	28.7	2.18	0.93	1.36	11.00	0.	0.	15.46	1.076	-10.	0	999
28651	TISTMT	RESIDUA	4.	10.17	0.348	0.03	87.3	6.62	2.82	3.00	15.77	0.	-7.36	20.85	1.450	-54.	0	999
28651	TISTMT	COAL	4.	1.00	0.070	0.03	43.9	3.33	1.42	2.46	6.39	0.	0.	13.60	0.946	-11.	7	11
28651	TISTMT	COAL	4.	16.73	0.419	0.03	150.8	11.44	4.87	5.16	11.14	0.	-12.63	19.98	1.390	-82.	1	25
28651	TIHRSG	RESIDUA	4.	1.00	0.056	0.03	36.2	2.68	1.14	1.50	11.17	0.	0.	16.48	1.147	-16.	0	97
28651	TIHRSG	RESIDUA	4.	4.40	0.178	0.03	74.2	5.50	2.34	2.51	13.49	0.	-2.73	21.11	1.468	-48.	0	83
28651	TIHRSG	COAL	4.	1.00	0.056	0.03	53.2	4.04	1.72	2.66	6.48	0.	0.	14.90	1.037	-20.	4	16
28651	TIHRSG	COAL	4.	7.24	0.237	0.03	128.6	9.76	4.15	4.36	8.96	0.	-5.01	22.23	1.547	-79.	0	999
28651	STIRL	DISTILL	4.	1.00	0.051	0.03	22.8	1.69	0.72	1.16	13.76	0.	0.	17.33	1.206	-12.	0	58
28651	STIRL	DISTILL	4.	11.61	0.270	0.03	42.4	3.14	1.33	1.84	23.41	0.	-8.52	21.20	1.475	-34.	0	61
28651	STIRL	RESIDUA	4.	1.00	0.051	0.03	22.8	1.69	0.72	1.16	11.22	0.	0.	14.79	1.029	-4.	0	999
28651	STIRL	RESIDUA	4.	11.61	0.270	0.03	42.4	3.14	1.34	1.84	19.10	0.	-8.52	16.90	1.176	-20.	0	136
28651	STIRL	COAL	4.	1.00	0.051	0.03	36.7	2.72	1.16	2.23	6.52	0.	0.	12.62	0.878	-4.	11	8

ECONOMIC SENSITIVITY REPORT FOR SELECTED PROCESS-ECS MATCHES

SENSITIVITY OF CAPITAL COST . PERCENT OF ORIGINAL COST 100

ENERGY SYSTEM	CONV	SITE-FUEL	POWER REQD MW	POWER GEN/REQD	FESRPOWER /HEAT RATIO	CAPITAL COST *10**6	CAPITAL + INSNC	TAXES	OANDM	FUEL	PURCHD ELEC	REVNUE	TOTAL	NORML	PRESNT WORTH 15%	ROI %	GROSS PAY BACK
								********** LEVELIZED ANNUAL ENERGY COSTS($ MILLIONS) **********									
28651	HEGT85	COAL-AF	4.	1.00	0.025 0.03	40.0	3.04	1.29	2.21	6.70	0.	0.	13.23	0.921	-8.	8	10
28651	HEGT85	COAL-AF	4.	59.06	0.194 0.03	256.2	19.44	8.27	9.72	42.17	0.	-46.61	32.99	2.295	-174.	0	999
28651	HEGT60	COAL-AF	4.	1.00	0.028 0.03	39.7	3.01	1.28	2.21	6.68	0.	0.	13.18	0.917	-8.	9	10
28651	HEGT60	COAL-AF	4.	26.58	0.190 0.03	144.0	10.93	4.65	5.63	21.78	0.	-20.53	22.46	1.563	-87.	0	999
28651	HEGT00	COAL-AF	4.	1.00	0.029 0.03	39.3	2.98	1.27	2.23	6.67	0.	0.	13.15	0.915	-7.	9	10
28651	HEGT00	COAL-AF	4.	11.97	0.152 0.03	85.2	6.47	2.75	3.60	13.11	0.	-8.80	17.12	1.191	-42.	1	24
28651	FCMCCL	COAL	4.	1.00	-0.511 0.03	43.2	3.36	1.43	2.38	10.38	0.	0.	17.55	1.221	-24.	0	101
28651	FCMCCL	COAL	4.	21.77	0.224 0.03	104.2	8.10	3.44	5.78	17.94	0.	-16.68	18.59	1.294	-57.	0	27
28651	FCSTCL	COAL	4.	1.00	-0.508 0.03	42.4	3.29	1.40	2.40	10.36	0.	0.	17.45	1.214	-23.	0	102
28651	FCSTCL	COAL	4.	35.18	0.339 0.03	129.9	10.10	4.29	7.23	22.24	0.	-27.44	16.43	1.143	-63.	3	17
28651	IGGTST	COAL	4.	1.00	-0.521 0.03	40.6	3.15	1.34	2.35	10.45	0.	0.	17.29	1.203	-21.	0	99
28651	IGGTST	COAL	4.	24.79	0.187 0.03	101.1	7.86	3.34	3.46	20.73	0.	-19.10	16.31	1.135	-48.	3	18
28651	GTSOAR	RESIDUA	4.	1.00	0.053 0.03	21.3	1.58	0.67	1.09	11.20	0.	0.	14.54	1.011	-3.	2	22
28651	GTSOAR	RESIDUA	4.	13.70	0.296 0.03	32.0	2.37	1.01	1.51	20.38	0.	-10.19	15.07	1.049	-9.	0	27
28651	GTAC08	RESIDUA	4.	1.00	0.060 0.03	20.7	1.54	0.65	1.08	11.12	0.	0.	14.38	1.001	-2.	5	14
28651	GTAC08	RESIDUA	4.	10.87	0.309 0.03	26.6	1.97	0.84	1.35	17.37	0.	-7.93	13.62	0.947	-2.	10	9
28651	GTAC12	RESIDUA	4.	1.00	0.060 0.03	20.7	1.53	0.65	1.07	11.12	0.	0.	14.38	1.000	-2.	5	14
28651	GTAC12	RESIDUA	4.	13.50	0.334 0.03	30.4	2.25	0.96	1.46	19.09	0.	-10.03	13.73	0.955	-5.	8	10
28651	GTAC16	RESIDUA	4.	1.00	0.059 0.03	20.8	1.54	0.66	1.07	11.13	0.	0.	14.40	1.002	-2.	4	14
28651	GTAC16	RESIDUA	4.	15.21	0.344 0.03	33.7	2.50	1.06	1.55	20.32	0.	-11.41	14.03	0.976	-7.	6	11
28651	GTWC16	RESIDUA	4.	1.00	0.053 0.03	21.1	1.56	0.66	1.08	11.20	0.	0.	14.51	1.010	-3.	2	20
28651	GTWC16	RESIDUA	4.	16.09	0.315 0.03	33.0	2.45	1.04	1.55	22.04	0.	-12.12	14.96	1.041	-10.	1	23
28651	CC1626	RESIDUA	4.	1.00	0.053 0.03	20.9	1.58	0.67	1.14	11.20	0.	0.	14.60	1.016	-3.	0	28
28651	CC1626	RESIDUA	4.	26.78	0.361 0.03	43.3	3.29	1.40	2.00	29.76	0.	-20.69	15.75	1.096	-17.	0	30
28651	CC1622	RESIDUA	4.	1.00	0.056 0.03	20.6	1.56	0.67	1.14	11.17	0.	0.	14.54	1.011	-3.	1	23
28651	CC1622	RESIDUA	4.	24.12	0.369 0.03	43.3	3.28	1.40	1.96	27.12	0.	-18.56	15.20	1.057	-16.	2	20
28651	CC1222	RESIDUA	4.	1.00	0.056 0.03	20.5	1.55	0.66	1.13	11.17	0.	0.	14.51	1.010	-3.	2	21
28651	CC1222	RESIDUA	4.	24.04	0.373 0.03	41.3	3.13	1.33	1.93	26.91	0.	-18.49	14.81	1.031	-14.	3	16
28651	CC0822	RESIDUA	4.	1.00	0.060 0.03	20.7	1.57	0.67	1.14	11.12	0.	0.	14.49	1.008	-3.	2	19
28651	CC0922	RESIDUA	4.	19.25	0.376 0.03	35.3	2.68	1.14	1.75	22.74	0.	-14.65	13.66	0.950	-7.	8	10
28651	STIG15	RESIDUA	4.	1.00	0.020 0.03	20.8	1.54	0.65	1.10	11.60	0.	0.	14.89	1.036	-4.	0	69
28651	STIG15	RESIDUA	4.	605.18	0.171 0.03	662.2	49.04	20.85	39.42	685.34	0.	-485.02	309.63	21.544	-1231.	0	58
28651	STIG10	RESIDUA	4.	1.00	0.028 0.03	20.6	1.52	0.65	1.09	11.50	0.	0.	14.75	1.026	-3.	0	397
28651	STIG10	RESIDUA	4.	55.96	0.218 0.03	79.0	5.85	2.49	4.22	67.24	0.	-44.12	35.67	2.482	-96.	0	59
28651	STIG1S	RESIDUA	4.	1.00	0.032 0.03	20.5	1.52	0.65	1.09	11.45	0.	0.	14.70	1.023	-3.	0	999
28651	STIG1S	RESIDUA	4.	32.83	0.228 0.03	50.6	3.74	1.59	2.92	42.26	0.	-25.56	24.97	1.737	-49.	0	60
28651	DEADV3	RESIDUA	4.	1.00	0.042 0.03	24.7	1.83	0.78	1.19	11.34	0.	0.	15.14	1.054	-6.	0	200
28651	DEADV3	RESIDUA	4.	34.13	0.297 0.03	105.4	7.81	3.32	3.56	39.70	0.	-26.60	27.79	1.933	-84.	0	69
28651	DEHTPM	RESIDUA	4.	1.00	0.062 0.03	24.8	1.84	0.78	1.23	11.10	0.	0.	14.95	1.040	-6.	0	999
28651	DEHTPM	RESIDUA	4.	16.46	0.368 0.03	60.1	4.45	1.89	2.38	20.66	0.	-12.41	16.98	1.181	-29.	0	999
28651	DESOA3	DISTILL	4.	1.00	0.036 0.03	23.9	1.77	0.75	1.17	13.99	0.	0.	17.68	1.230	-14.	0	58
28651	DESOA3	DISTILL	4.	39.14	0.260 0.03	146.5	10.85	4.61	4.63	57.35	0.	-30.62	46.82	3.257	-163.	0	61
28651	DESOA3	RESIDUA	4.	1.00	0.036 0.03	23.9	1.77	0.75	1.17	11.41	0.	0.	15.10	1.051	-6.	0	138

ECONOMIC SENSITIVITY REPORT FOR SELECTED PROCESS-ECS MATCHES

SENSITIVITY OF CAPITAL COST — PERCENT OF ORIGINAL COST 100

**********LEVELIZED ANNUAL ENERGY COSTS($ MILLIONS)**********

ENERGY CONV SYSTEM		SITE-FUEL	POWER REQD MW	POWER GEN/ REQD	FESRPOWER /HEAT RATIO	CAPITAL COST *10**6	CAPITAL + INSNC	TAXES	OANDM	FUEL	PURCHD ELEC	REVNUE	TOTAL	NORML	PRESNT WORTH 15%	RCI %	GROSS DAY BACK	
28651	GTSOAD	DISTILL	4.	1.00	0.058	0.03	20.5	1.52	0.65	1.07	13.87	0.	0.	16.90	1.176	-10.	0	57
28651	GTSOAD	DISTILL	4.	12.95	0.315	0.03	27.5	2.03	0.86	1.39	23.45	0.	-9.59	18.15	1.263	-17.	0	59
28651	GTRA08	DISTILL	4.	1.00	0.054	0.03	21.4	1.59	0.67	1.08	13.71	0.	0.	17.05	1.187	-11.	0	58
28651	GTRA08	DISTILL	4.	20.80	0.347	0.03	43.1	3.20	1.36	1.82	30.82	0.	-15.90	21.30	1.482	-34.	0	61
28651	GTRA12	DISTILL	4.	1.00	0.055	0.03	21.3	1.58	0.67	1.08	13.70	0.	0.	17.03	1.185	-11.	0	58
28651	GTRA12	DISTILL	4.	20.44	0.352	0.03	41.6	3.08	1.31	1.78	30.20	0.	-15.61	20.76	1.445	-32.	0	61
28651	GTRA16	DISTILL	4.	1.00	0.056	0.03	21.5	1.60	0.68	1.09	13.69	0.	0.	17.05	1.187	-11.	0	58
28651	GTRA16	DISTILL	4.	19.17	0.348	0.03	41.9	3.10	1.32	1.78	29.05	0.	-14.59	20.67	1.438	-32.	0	61
28651	GTR208	DISTILL	4.	1.00	0.055	0.03	21.1	1.56	0.66	1.08	13.70	0.	0.	17.01	1.183	-10.	0	58
28651	GTR208	DISTILL	4.	16.06	0.327	0.03	34.2	2.53	1.08	1.58	26.44	0.	-12.04	19.59	1.363	-25.	0	60
28651	GTR212	DISTILL	4.	1.00	0.055	0.03	21.2	1.57	0.67	1.08	13.70	0.	0.	17.03	1.185	-11.	0	58
28651	GTR212	DISTILL	4.	17.17	0.333	0.03	36.5	2.70	1.15	1.64	27.51	0.	-12.98	20.02	1.393	-27.	0	60
28651	GTR216	DISTILL	4.	1.00	0.056	0.03	21.3	1.58	0.67	1.08	13.69	0.	0.	17.02	1.184	-11.	0	58
28651	GTR216	DISTILL	4.	17.58	0.342	0.03	38.6	2.86	1.21	1.69	27.59	0.	-13.31	20.04	1.394	-28.	0	61
28651	GTRW08	DISTILL	4.	1.00	0.046	0.03	21.5	1.59	0.68	1.09	13.84	0.	0.	17.19	1.196	-11.	0	58
28651	GTRW08	DISTILL	4.	24.92	0.305	0.03	43.1	3.19	1.36	1.86	37.56	0.	-19.21	24.76	1.723	-45.	0	59
28651	GTRW12	DISTILL	4.	1.00	0.049	0.03	21.5	1.59	0.68	1.08	13.80	0.	0.	17.15	1.193	-11.	0	58
28651	GTRW12	DISTILL	4.	25.50	0.326	0.03	43.6	3.23	1.37	1.86	37.06	0.	-19.67	23.85	1.659	-42.	0	59
28651	GTRW16	DISTILL	4.	1.00	0.049	0.03	21.6	1.60	0.68	1.09	13.79	0.	0.	17.16	1.194	-11.	0	58
28651	GTRW16	DISTILL	4.	23.78	0.325	0.03	43.3	3.21	1.36	1.85	35.22	0.	-18.28	23.36	1.625	-41.	0	59
28651	GTR308	DISTILL	4.	1.00	0.043	0.03	21.2	1.57	0.67	1.08	13.88	0.	0.	17.20	1.196	-11.	0	58
28651	GTR308	DISTILL	4.	19.01	0.267	0.03	36.5	2.71	1.15	1.67	32.44	0.	-14.46	23.50	1.635	-38.	0	58
28651	GTR312	DISTILL	4.	1.00	0.050	0.03	21.2	1.57	0.67	1.08	13.78	0.	0.	17.10	1.190	-11.	0	58
28651	GTR312	DISTILL	4.	20.92	0.318	0.03	37.9	2.81	1.19	1.70	32.35	0.	-15.99	22.07	1.535	-34.	0	59
28651	GTR316	DISTILL	4.	1.00	0.049	0.03	21.4	1.59	0.68	1.09	13.79	0.	0.	17.13	1.192	-11.	0	58
28651	GTR316	DISTILL	4.	20.61	0.315	0.03	38.9	2.88	1.23	1.72	32.15	0.	-15.74	22.24	1.548	-35.	0	59
28651	FCPADS	DISTILL	4.	1.00	0.037	0.03	23.0	1.70	0.72	1.43	13.96	0.	0.	17.82	1.240	-14.	0	58
28651	FCPADS	DISTILL	4.	46.16	0.279	0.03	124.1	9.19	3.91	21.50	64.24	0.	-36.25	62.59	4.355	-204.	0	60
28651	FCMCDS	DISTILL	4.	1.00	0.050	0.03	23.2	1.72	0.73	1.41	13.78	0.	0.	17.64	1.227	-13.	0	58
28651	FCMCDS	DISTILL	4.	36.51	0.360	0.03	107.5	7.96	3.38	16.24	46.87	0.	-28.51	45.94	3.197	-143.	0	61
28653	ONOCGN	RESIDUA	6.	0.	0.	0.07	9.3	0.69	0.29	0.57	10.53	1.89	0.	13.97	1.000	0.	0	0
28653	STM141	RESIDUA	6.	1.00	0.096	0.07	12.4	0.94	0.40	0.94	11.25	0.	0.	13.53	0.968	-0.	13	7
28653	STM141	RESIDUA	6.	2.23	0.179	0.07	12.0	0.91	0.39	0.75	12.13	0.	-1.39	12.78	0.915	2.	27	4
28653	STM141	COAL-FG	6.	1.00	0.096	0.07	28.0	2.12	0.90	1.92	6.53	0.	0.	11.47	0.821	-1.	13	7
28653	STM141	COAL-FG	6.	2.23	0.179	0.07	25.3	1.92	0.82	1.58	7.04	0.	-1.39	9.97	0.713	5.	19	5
28653	STM141	COAL-AF	6.	1.00	0.096	0.07	24.5	1.86	0.79	1.80	6.53	0.	0.	10.99	0.786	2.	16	6
28653	STM141	COAL-AF	6.	2.23	0.179	0.07	18.2	1.38	0.59	1.41	7.04	0.	-1.39	9.03	0.646	11.	33	3
28653	STM088	RESIDUA	6.	1.00	0.096	0.07	11.8	0.90	0.38	0.92	11.25	0.	0.	13.45	0.963	0.	16	6
28653	STM088	RESIDUA	6.	1.45	0.130	0.07	10.7	0.81	0.34	0.71	11.57	0.	-0.51	12.92	0.925	3.	38	3
28653	STM088	COAL-FG	6.	1.00	0.096	0.07	27.1	2.06	0.87	1.87	6.53	0.	0.	11.34	0.811	-1.	14	7
28653	STM088	COAL-FG	6.	1.45	0.130	0.07	23.3	1.77	0.75	1.48	6.72	0.	-0.51	10.21	0.731	5.	20	5
28653	STM088	COAL-AF	6.	1.00	0.096	0.07	22.7	1.72	0.73	1.76	6.53	0.	0.	10.75	0.769	3.	19	5
28653	STM088	COAL-AF	6.	1.45	0.130	0.07	17.1	1.30	0.55	1.36	6.72	0.	-0.51	9.42	0.674	10.	31	3

ECONOMIC SENSITIVITY REPORT FOR SELECTED PROCESS-ECS MATCHES

SENSITIVITY OF CAPITAL COST — PERCENT OF ORIGINAL COST 100

**********LEVELIZED ANNUAL ENERGY COSTS($ MILLIONS)**********

ENERGY SYSTEM	CONV	SITE-FUEL	POWER REQD MW	POWER GEN/ REQD	FESRPOWER /HEAT RATIO	CAPITAL COST *10**6	CAPITAL + INSNC	TAXES	OANDM	FUEL	PURCHD ELEC	REVNUE	TOTAL	NORML	PRESNT WORTH 15%	ROI %	GROSS PAY BACK
28653	PFBSTM	COAL-PF	6.	4.00	0.256	0.07	30.8	2.34	0.99	2.37	7.90	0.	-3.48	10.12	0.724	1.	16	6
28653	TISTMT	RESIDUA	6.	1.00	0.094	0.07	26.7	2.03	0.86	1.27	11.27	0.	0.	15.43	1.104	-13.	0	999
28653	TISTMT	RESIDUA	6.	5.59	0.308	0.07	74.9	5.68	2.42	2.37	14.67	0.	-5.22	19.92	1.426	-50.	0	250
28653	TISTMT	COAL	6.	1.00	0.094	0.07	42.9	3.26	1.39	2.24	6.54	0.	0.	13.43	0.961	-15.	6	12
28653	TISTMT	COAL	6.	5.59	0.308	0.07	95.0	7.21	3.07	3.39	8.52	0.	-5.22	16.96	1.214	-51.	2	22
28653	TIHRSG	RESIDUA	6.	1.00	0.050	0.07	34.1	2.53	1.08	1.39	11.82	0.	0.	16.81	1.203	-21.	0	86
28653	TIHRSG	RESIDUA	6.	3.45	0.125	0.07	72.8	5.39	2.29	2.19	14.97	0.	-2.78	22.06	1.579	-55.	0	76
28653	TIHRSG	COAL	6.	1.00	0.050	0.07	52.0	3.95	1.68	2.42	6.86	0.	0.	14.90	1.067	-24.	3	18
28653	TIHRSG	COAL	6.	3.45	0.125	0.07	93.2	7.08	3.01	3.23	8.69	0.	-2.78	19.23	1.376	-57.	0	999
28653	STIRL	DISTILL	6.	1.00	0.064	0.07	14.2	1.05	0.45	0.92	14.28	0.	0.	16.69	1.195	-11.	0	58
28653	STIRL	DISTILL	6.	6.30	0.221	0.07	31.3	2.32	0.99	1.25	21.53	0.	-6.02	20.06	1.436	-29.	0	60
28653	STIRL	RESIDUA	6.	1.00	0.064	0.07	14.2	1.05	0.45	0.92	11.65	0.	0.	14.06	1.007	-3.	3	17
28653	STIRL	RESIDUA	6.	6.30	0.221	0.07	31.4	2.32	0.99	1.25	17.57	0.	-6.02	16.10	1.152	-17.	0	130
28653	STIRL	COAL	6.	1.00	0.064	0.07	28.5	2.11	0.90	1.83	6.76	0.	0.	11.61	0.831	-2.	13	7
28653	STIRL	COAL	6.	6.30	0.221	0.07	54.7	4.05	1.72	2.43	10.20	0.	-6.02	12.38	0.886	-16.	7	10
28653	HEGT60	COAL-AF	6.	1.00	-0.003	0.07	35.7	2.71	1.15	1.92	7.24	0.	0.	13.02	0.932	-10.	7	11
28653	HEGT60	COAL-AF	6.	25.29	-0.014	0.07	173.2	13.14	5.59	6.92	34.63	0.	-27.60	32.67	2.338	-138.	0	92
28653	HEGT00	COAL-AF	6.	1.00	0.026	0.07	34.5	2.62	1.11	1.90	7.03	0.	0.	12.67	0.907	-8.	8	10
28653	HEGT00	COAL-AF	6.	5.57	0.087	0.07	61.8	4.69	1.99	2.61	11.22	0.	-5.19	15.32	1.096	-30.	2	19
28653	FCMCCL	COAL	6.	1.00	0.081	0.07	35.2	2.74	1.16	2.00	6.63	0.	0.	12.54	0.897	-9.	9	10
28653	FCMCCL	COAL	6.	9.47	0.333	0.07	71.3	5.55	2.36	3.87	11.05	0.	-9.63	13.19	0.944	-29.	6	12
28653	FCSTCL	COAL	6.	1.00	0.085	0.07	34.8	2.69	1.14	2.03	6.61	0.	0.	12.48	0.893	-8.	9	9
28653	FCSTCL	COAL	6.	13.01	0.387	0.07	82.3	6.40	2.72	4.52	12.59	0.	-13.65	12.58	0.901	-32.	5	12
28653	IGGTST	COAL	6.	1.00	0.065	0.07	34.1	2.65	1.13	1.98	6.75	0.	0.	12.50	0.895	-8.	9	9
28653	IGGTST	COAL	6.	8.83	0.262	0.07	63.9	4.97	2.11	2.38	11.73	0.	-8.89	12.29	0.880	-22.	7	11
28653	GTSOAR	RESIDUA	6.	1.00	0.060	0.07	14.3	1.06	0.45	0.87	11.69	0.	0.	14.06	1.007	-3.	3	17
28653	GTSOAR	RESIDUA	6.	11.11	0.263	0.07	27.6	2.04	0.87	1.12	23.40	0.	-11.49	15.94	1.141	-15.	0	94
28653	GTAC08	RESIDUA	6.	1.00	0.082	0.07	13.7	1.02	0.43	0.85	11.42	0.	0.	13.72	0.982	-1.	9	9
28653	GTAC08	RESIDUA	6.	7.67	0.311	0.07	20.0	1.48	0.63	0.89	17.35	0.	-7.58	12.76	0.914	-1.	12	7
28653	GTAC12	RESIDUA	6.	1.00	0.080	0.07	13.7	1.02	0.43	0.85	11.44	0.	0.	13.73	0.983	-1.	9	10
28653	GTAC12	RESIDUA	6.	9.64	0.333	0.07	23.8	1.76	0.75	1.00	19.31	0.	-9.82	13.00	0.930	-4.	10	9
28653	GTAC16	RESIDUA	6.	1.00	0.077	0.07	13.9	1.03	0.44	0.85	11.48	0.	0.	13.80	0.988	-2.	8	10
28653	GTAC16	RESIDUA	6.	11.25	0.335	0.07	27.7	2.05	0.87	1.11	21.28	0.	-11.65	13.66	0.978	-8.	6	12
28653	GTWC16	RESIDUA	6.	1.00	0.072	0.07	14.2	1.05	0.45	0.86	11.54	0.	0.	13.90	0.995	-2.	6	12
28653	GTWC16	RESIDUA	6.	11.38	0.316	0.07	26.3	1.95	0.83	1.08	22.07	0.	-11.80	14.12	1.011	-8.	4	15
28653	CC1626	RESIDUA	6.	1.00	0.070	0.07	14.0	1.06	0.45	0.93	11.57	0.	0.	14.01	1.003	-2.	4	15
28653	CC1626	RESIDUA	6.	16.52	0.342	0.07	33.4	2.54	1.08	1.43	27.69	0.	-17.64	15.10	1.081	-15.	0	28
28653	CC1622	RESIDUA	6.	1.00	0.073	0.07	13.7	1.04	0.44	0.92	11.52	0.	0.	13.93	0.997	-2.	5	13
28653	CC1622	RESIDUA	6.	14.82	0.349	0.07	33.2	2.52	1.07	1.39	25.27	0.	-15.71	14.55	1.041	-13.	3	18
28653	CC1222	RESIDUA	6.	1.00	0.074	0.07	13.5	1.03	0.44	0.92	11.51	0.	0.	13.90	0.995	-2.	6	12
28653	CC1222	RESIDUA	6.	14.72	0.352	0.07	31.4	2.38	1.01	1.36	25.04	0.	-15.59	14.21	1.017	-12.	4	15
28653	CC0822	RESIDUA	6.	1.00	0.080	0.07	13.7	1.04	0.44	0.93	11.45	0.	0.	13.86	0.992	-2.	7	11
28653	CC0822	RESIDUA	6.	11.58	0.351	0.07	26.0	1.97	0.84	1.20	21.16	0.	-12.02	13.16	0.942	-6.	8	10

ECONOMIC SENSITIVITY REPORT FOR SELECTED PROCESS-ECS MATCHES

SENSITIVITY OF CAPITAL COST — PERCENT OF ORIGINAL COST 100

ENERGY SYSTEM	CONV SYSTEM	SITE-FUEL	POWER REQD MW	POWER GEN/ REQD	FESRPOWER /HEAT RATIO	CAPITAL COST *10**6	CAPITAL + INSNC	TAXES	OANDM	FUEL	PURCHD ELEC	REVNUE	TOTAL	NORML	PRESNT WORTH 15%	ROI %	GROSS PAY BACK
						********** LEVELIZED ANNUAL ENERGY COSTS($ MILLIONS) **********											
28653	DEHTPM	RESIDUA	6.	9.24	0.263 0.07	52.6	3.90	1.66	1.89	20.74	0.	-9.36	18.83	1.348	-36.	0	88
28653	GTSOAD	DISTILL	6.	1.00	0.075 0.07	13.5	1.00	0.42	0.84	14.10	0.	0.	16.37	1.171	-9.	0	58
28653	GTSOAD	DISTILL	6.	9.44	0.308 0.07	21.2	1.57	0.67	0.93	24.20	0.	-9.59	17.78	1.273	-18.	0	59
28653	GTRA08	DISTILL	6.	1.00	0.060 0.07	14.4	1.07	0.45	0.86	14.33	0.	0.	16.71	1.196	-11.	0	58
28653	GTRA08	DISTILL	6.	19.09	0.305 0.07	42.8	3.17	1.35	1.55	40.02	0.	-20.55	25.54	1.828	-52.	0	59
28653	GTRA12	DISTILL	6.	1.00	0.064 0.07	14.4	1.07	0.45	0.86	14.27	0.	0.	16.65	1.192	-11.	0	58
28653	GTRA12	DISTILL	6.	17.81	0.318 0.07	40.0	2.96	1.26	1.47	37.24	0.	-19.10	23.84	1.706	-45.	0	59
28653	GTRA16	DISTILL	6.	1.00	0.065 0.07	14.7	1.09	0.46	0.87	14.25	0.	0.	16.66	1.193	-11.	0	58
28653	GTRA16	DISTILL	6.	16.07	0.317 0.07	39.3	2.91	1.24	1.44	34.47	0.	-17.12	22.93	1.641	-42.	0	60
28653	GTR208	DISTILL	6.	1.00	0.067 0.07	14.1	1.05	0.44	0.86	14.23	0.	0.	16.58	1.186	-10.	0	58
28653	GTR208	DISTILL	6.	12.67	0.303 0.07	29.6	2.19	0.93	1.17	29.65	0.	-13.26	20.68	1.480	-31.	0	59
28653	GTR212	DISTILL	6.	1.00	0.067 0.07	14.3	1.06	0.45	0.86	14.23	0.	0.	16.59	1.188	-11.	0	58
28653	GTR212	DISTILL	6.	13.61	0.310 0.07	32.0	2.37	1.01	1.24	30.88	0.	-14.33	21.17	1.515	-33.	0	59
28653	GTR216	DISTILL	6.	1.00	0.068 0.07	14.4	1.07	0.45	0.86	14.21	0.	0.	16.59	1.187	-11.	0	58
28653	GTR216	DISTILL	6.	14.04	0.318 0.07	34.4	2.55	1.08	1.30	31.20	0.	-14.82	21.31	1.526	-35.	0	60
28653	GTRW08	DISTILL	6.	1.00	0.052 0.07	14.5	1.08	0.46	0.86	14.46	0.	0.	16.85	1.206	-12.	0	58
28653	GTRW08	DISTILL	6.	22.19	0.270 0.07	42.1	3.12	1.33	1.57	47.32	0.	-24.07	29.26	2.094	-63.	0	58
28653	GTRW12	DISTILL	6.	1.00	0.058 0.07	14.5	1.08	0.46	0.86	14.37	0.	0.	16.76	1.200	-11.	0	58
28653	GTRW12	DISTILL	6.	21.65	0.299 0.07	41.3	3.06	1.30	1.54	44.53	0.	-23.47	26.96	1.929	-56.	0	58
28653	GTRW16	DISTILL	6.	1.00	0.060 0.07	14.7	1.09	0.46	0.87	14.34	0.	0.	16.76	1.200	-11.	0	58
28653	GTRW16	DISTILL	6.	19.32	0.303 0.07	39.8	2.95	1.25	1.48	40.52	0.	-20.82	25.39	1.817	-50.	0	59
28653	GTR308	DISTILL	6.	1.00	0.047 0.07	14.2	1.05	0.45	0.86	14.53	0.	0.	16.89	1.209	-11.	0	58
28653	GTR308	DISTILL	6.	16.31	0.229 0.07	33.7	2.49	1.06	1.32	39.38	0.	-17.39	26.87	1.923	-52.	0	58
28653	GTR312	DISTILL	6.	1.00	0.063 0.07	14.3	1.06	0.45	0.86	14.28	0.	0.	16.65	1.192	-11.	0	58
28653	GTR312	DISTILL	6.	15.89	0.305 0.07	32.6	2.41	1.03	1.28	34.78	0.	-16.92	22.58	1.616	-38.	0	59
28653	GTR316	DISTILL	6.	1.00	0.063 0.07	14.5	1.07	0.46	0.86	14.29	0.	0.	16.68	1.194	-11.	0	58
28653	GTR316	DISTILL	6.	15.60	0.303 0.07	33.5	2.48	1.06	1.30	34.46	0.	-16.59	22.70	1.625	-39.	0	59
28653	FCPADS	DISTILL	6.	1.00	0.050 0.07	15.3	1.13	0.48	1.35	14.48	0.	0.	17.44	1.248	-14.	0	58
28653	FCPADS	DISTILL	6.	32.76	0.279 0.07	113.7	8.42	3.58	21.02	64.53	0.	-36.08	61.47	4.400	-200.	0	60
28653	FCMCDS	DISTILL	6.	1.00	0.067 0.07	15.6	1.15	0.49	1.31	14.23	0.	0.	17.17	1.229	-13.	0	58
28653	FCMCDS	DISTILL	6.	25.91	0.360 0.07	97.8	7.25	3.08	15.76	47.08	0.	-28.31	44.86	3.211	-140.	0	61
28654	ONOCGN	RESIDUA	1.	0.	0. 0.01	6.5	0.48	0.20	0.47	7.44	0.21	0.	8.81	1.000	0.	9	0
28654	STM141	RESIDUA	1.	1.00	0.017 0.01	8.4	0.63	0.27	0.72	7.52	0.	0.	9.15	1.039	-2.	0	74
28654	STM141	RESIDUA	1.	6.88	0.103 0.01	8.6	0.65	0.28	0.62	7.99	0.	-0.75	8.79	0.998	-1.	5	13
28654	STM141	COAL-FG	1.	1.00	0.017 0.01	19.8	1.50	0.64	1.46	4.37	0.	0.	7.96	0.904	-4.	9	9
28654	STM141	COAL-FG	1.	6.88	0.103 0.01	18.6	1.41	0.60	1.24	4.64	0.	-0.75	7.15	0.812	-1.	14	7
28654	STM141	COAL-AF	1.	1.00	0.017 0.01	19.1	1.45	0.62	1.40	4.37	0.	0.	7.83	0.889	-3.	10	9
28654	STM141	COAL-AF	1.	6.88	0.103 0.01	13.6	1.03	0.44	1.10	4.64	0.	-0.75	6.46	0.733	4.	23	5
28654	PFBSTM	COAL-PF	1.	1.00	0.016 0.01	18.8	1.43	0.61	1.35	4.37	0.	0.	7.76	0.881	-3.	11	8
28654	PFBSTM	COAL-PF	1.	17.93	0.200 0.01	23.2	1.76	0.75	1.77	5.24	0.	-2.16	7.37	0.837	-4.	11	8
28654	TISTMT	RESIDUA	1.	1.00	0.017 0.01	10.4	0.79	0.33	0.72	7.52	0.	0.	9.36	1.063	-4.	0	77
28654	TISTMT	RESIDUA	1.	26.49	0.264 0.01	55.5	4.21	1.79	1.83	9.66	0.	-3.25	14.23	1.616	-41.	0	93
28654	TISTMT	COAL	1.	1.00	0.017 0.01	21.2	1.61	0.68	1.41	4.37	0.	0.	8.07	0.916	-5.	9	10

ECONOMIC SENSITIVITY REPORT FOR SELECTED PROCESS-ECS MATCHES

SENSITIVITY OF CAPITAL COST — PERCENT OF ORIGINAL COST 100

ENERGY CONV SYSTEM	SITE-FUEL	POWER REQD MW	POWER GEN/ REQD	FESRPOWER /HEAT RATIO	CAPITAL COST x10**6	CAPITAL + INSNC	TAXES	OANDM	FUEL	PURCHD ELEC	REVNUE	TOTAL	NORML	PRESNT WORTH 15%	ROI %	GROSS PAY PACK
********** LEVELIZED ANNUAL ENERGY COSTS ($ MILLIONS) **********																
28654 TIHRSG	RESIDUA	1.	1.00	0.009 0.01	11.3	0.84	0.36	0.69	7.58	0.	0.	9.47	1.075	-4.	0	74
28654 TIHRSG	RESIDUA	1.	21.68	0.125 0.01	57.7	4.27	1.82	1.77	10.58	0.	-2.64	15.80	1.794	-46.	0	72
28654 TIHRSG	COAL	1.	1.00	0.009 0.01	22.4	1.70	0.72	1.38	4.40	0.	0.	8.21	0.932	-6.	8	10
28654 TIHRSG	COAL	1.	21.68	0.125 0.01	74.0	5.62	2.39	2.60	6.14	0.	-2.64	14.11	1.602	-49.	0	399
28654 STIRL	DISTILL	1.	1.00	0.012 0.01	9.0	0.67	0.28	0.64	9.27	0.	0.	10.86	1.233	-8.	0	57
28654 STIRL	DISTILL	1.	39.60	0.221 0.01	23.2	1.72	0.73	1.00	15.21	0.	-4.93	13.73	1.560	-23.	0	60
28654 STIRL	RESIDUA	1.	1.00	0.012 0.01	9.0	0.67	0.28	0.64	7.56	0.	0.	9.15	1.040	-2.	0	77
28654 STIRL	RESIDUA	1.	39.60	0.221 0.01	23.3	1.72	0.73	1.00	12.41	0.	-4.93	10.94	1.242	-15.	0	77
28654 STIRL	COAL	1.	1.00	0.012 0.01	19.4	1.44	0.61	1.30	4.39	0.	0.	7.74	0.879	-3.	11	8
28654 STIRL	COAL	1.	39.60	0.221 0.01	41.2	3.05	1.30	1.91	7.21	0.	-4.93	8.54	0.969	-15.	5	13
28654 HEGT60	COAL-AF	1.	1.00	-0.000 0.01	19.0	1.44	0.61	1.23	4.45	0.	0.	7.72	0.877	-3.	11	8
28654 HEGT60	COAL-AF	1.	158.97	-0.014 0.01	139.1	10.55	4.49	5.43	24.46	0.	-20.18	24.76	2.811	-114.	0	84
28654 HEGT00	COAL-AF	1.	1.00	0.005 0.01	18.9	1.43	0.61	1.23	4.42	0.	0.	7.70	0.874	-3.	11	8
28654 HEGT00	COAL-AF	1.	35.01	0.087 0.01	49.6	3.76	1.60	2.07	7.93	0.	-4.34	11.02	1.252	-28.	0	909
28654 FCMCCL	COAL	1.	1.00	0.015 0.01	21.5	1.67	0.71	1.31	4.38	0.	0.	8.07	0.916	-5.	8	10
28654 FCMCCL	COAL	1.	59.55	0.335 0.01	57.0	4.43	1.88	3.00	7.81	0.	-7.46	9.64	1.095	-28.	4	16
28654 FCSTCL	COAL	1.	1.00	0.015 0.01	21.4	1.66	0.71	1.35	4.38	0.	0.	8.10	0.920	-5.	8	10
28654 FCSTCL	COAL	1.	70.50	0.365 0.01	61.6	4.79	2.04	3.31	8.32	0.	-8.88	9.58	1.088	-30.	4	16
28654 IGGTST	COAL	1.	1.00	0.011 0.01	20.8	1.61	0.69	1.38	4.39	0.	0.	8.07	0.917	-5.	8	10
28654 IGGTST	COAL	1.	45.61	0.227 0.01	48.4	3.76	1.60	1.91	7.73	0.	-5.70	9.31	1.057	-22.	4	15
28654 GTSOAR	RESIDUA	1.	1.00	0.011 0.01	8.3	0.62	0.26	0.60	7.57	0.	0.	9.04	1.027	-2.	0	82
28654 GTSOAR	RESIDUA	1.	69.83	0.263 0.01	21.9	1.62	0.69	0.93	16.53	0.	-8.79	10.98	1.247	-14.	0	71
28654 GTAC08	RESIDUA	1.	1.00	0.015 0.01	8.2	0.61	0.26	0.59	7.54	0.	0.	9.00	1.022	-1.	0	104
28654 GTAC08	RESIDUA	1.	48.22	0.311 0.01	15.9	1.18	0.50	0.74	12.26	0.	-6.03	8.65	0.982	-4.	6	12
28654 GTAC12	RESIDUA	1.	1.00	0.015 0.01	8.1	0.60	0.26	0.59	7.54	0.	0.	8.99	1.021	-1.	0	107
28654 GTAC12	RESIDUA	1.	60.62	0.333 0.01	18.8	1.39	0.59	0.83	13.64	0.	-7.61	8.84	1.003	-6.	5	14
28654 GTAC16	RESIDUA	1.	1.00	0.014 0.01	8.1	0.60	0.26	0.59	7.55	0.	0.	8.99	1.021	-1.	0	101
28654 GTAC16	RESIDUA	1.	70.73	0.335 0.01	21.8	1.61	0.69	0.92	15.03	0.	-8.91	9.34	1.061	-9.	1	22
28654 GTWC16	RESIDUA	1.	1.00	0.013 0.01	8.3	0.61	0.26	0.59	7.55	0.	0.	9.02	1.024	-2.	0	91
28654 GTWC16	RESIDUA	1.	71.54	0.316 0.01	21.0	1.56	0.66	0.90	15.59	0.	-9.01	9.70	1.102	-10.	0	903
28654 DEHTPM	RESIDUA	1.	1.00	0.012 0.01	9.3	0.69	0.29	0.66	7.56	0.	0.	9.20	1.045	-3.	0	76
28654 DEHTPM	RESIDUA	1.	58.08	0.263 0.01	38.9	2.88	1.22	1.49	14.66	0.	-7.29	12.96	1.472	-28.	0	76
28654 GTSOAD	DISTILL	1.	1.00	0.014 0.01	8.1	0.60	0.25	0.59	9.25	0.	0.	10.70	1.213	-7.	0	57
28654 GTSOAD	DISTILL	1.	59.33	0.308 0.01	16.8	1.25	0.53	0.78	17.10	0.	-7.45	12.20	1.386	-15.	0	59
28654 GTRA08	DISTILL	1.	1.00	0.011 0.01	8.3	0.62	0.26	0.59	9.28	0.	0.	10.75	1.221	-7.	0	57
28654 GTRA08	DISTILL	1.	119.96	0.305 0.01	34.0	2.52	1.07	1.28	28.27	0.	-15.19	17.96	2.039	-42.	0	59
28654 GTRA12	DISTILL	1.	1.00	0.012 0.01	8.3	0.61	0.26	0.59	9.27	0.	0.	10.73	1.219	-7.	0	57
28654 GTRA12	DISTILL	1.	111.93	0.318 0.01	31.6	2.34	0.99	1.21	26.31	0.	-14.17	16.69	1.895	-36.	0	59
28654 GTRA16	DISTILL	1.	1.00	0.012 0.01	8.3	0.62	0.26	0.59	9.27	0.	0.	10.74	1.219	-7.	0	57
28654 GTRA16	DISTILL	1.	101.00	0.317 0.01	31.0	2.30	0.98	1.19	24.35	0.	-12.77	16.04	1.821	-34.	0	60
28654 GTR208	DISTILL	1.	1.00	0.012 0.01	8.2	0.61	0.26	0.59	9.27	0.	0.	10.73	1.218	-7.	0	57
28654 GTR208	DISTILL	1.	79.65	0.303 0.01	23.4	1.73	0.74	0.97	20.94	0.	-10.05	14.34	1.629	-25.	0	59
28654 GTR212	DISTILL	1.	1.00	0.012 0.01	8.3	0.61	0.26	0.59	9.27	0.	0.	10.73	1.219	-7.	0	57

ECONOMIC SENSITIVITY REPORT FOR SELECTED PROCESS-ECS MATCHES

SENSITIVITY OF CAPITAL COST PERCENT OF ORIGINAL COST 100

ENERGY SYSTEM	CONV FUEL	SITE- POWER REQD MW	POWER GEN/ REQD	FESRPOWER /HEAT RATIO	CAPITAL COST x10**6	CAPITAL + INSNC	TAXES	OANDM	FUEL	PURCHD ELEC	REVNUE	TOTAL LEVELIZED ANNUAL ENERGY COSTS($ MILLIONS)	NORML	PRESNT WORTH 15%	ROI %	GROSS PAY BACK	
28654	GTR216	DISTILL	1.	1.00	0.012	0.01	8.3	0.61	0.26	0.59	9.26	0.	0.	10.73	1.218	-7.	0	57
28654	GTR216	DISTILL	1.	88.27	0.318	0.01	27.2	2.01	0.86	1.08	22.04	0.	-11.15	14.84	1.685	-29.	0	60
28654	GTRW08	DISTILL	1.	1.00	0.009	0.01	8.3	0.62	0.26	0.59	9.29	0.	0.	10.77	1.222	-7.	0	57
28654	GTRW08	DISTILL	1.	139.46	0.270	0.01	33.7	2.49	1.06	1.30	33.43	0.	-17.68	20.60	2.340	-50.	0	58
28654	GTRW12	DISTILL	1.	1.00	0.011	0.01	8.4	0.62	0.26	0.59	9.28	0.	0.	10.75	1.221	-7.	0	57
28654	GTRW12	DISTILL	1.	136.09	0.299	0.01	33.0	2.45	1.04	1.28	31.46	0.	-17.25	18.97	2.154	-44.	0	59
28654	GTRW16	DISTILL	1.	1.00	0.011	0.01	8.4	0.62	0.26	0.59	9.28	0.	0.	10.76	1.222	-7.	0	57
28654	GTRW16	DISTILL	1.	121.45	0.303	0.01	31.9	2.36	1.00	1.23	28.63	0.	-15.38	17.84	2.026	-40.	0	59
28654	GTR308	DISTILL	1.	1.00	0.009	0.01	8.2	0.61	0.26	0.59	9.30	0.	0.	10.76	1.222	-7.	0	57
28654	GTR308	DISTILL	1.	102.51	0.229	0.01	26.8	1.99	0.85	1.10	27.82	0.	-12.96	18.80	2.134	-41.	0	58
28654	GTR312	DISTILL	1.	1.00	0.012	0.01	8.3	0.62	0.26	0.59	9.27	0.	0.	10.74	1.220	-7.	0	57
28654	GTR312	DISTILL	1.	99.89	0.305	0.01	26.0	1.93	0.82	1.06	24.57	0.	-12.63	15.76	1.789	-31.	0	59
28654	GTR316	DISTILL	1.	1.00	0.011	0.01	8.4	0.62	0.26	0.59	9.27	0.	0.	10.75	1.221	-7.	0	57
28654	GTR316	DISTILL	1.	98.08	0.303	0.01	26.8	1.99	0.84	1.08	24.34	0.	-12.40	15.86	1.801	-32.	0	59
28654	FCPADS	DISTILL	1.	1.00	0.009	0.01	9.0	0.66	0.28	0.63	9.30	0.	0.	10.87	1.235	-8.	0	57
28654	FCPADS	DISTILL	1.	205.90	0.279	0.01	84.3	6.24	2.65	15.00	45.59	0.	-26.17	43.32	4.919	-146.	0	60
28654	FCMCDS	DISTILL	1.	1.00	0.012	0.01	9.0	0.67	0.28	0.62	9.27	0.	0.	10.84	1.231	-8.	0	57
28654	FCMCDS	DISTILL	1.	162.88	0.360	0.01	72.3	5.36	2.28	11.26	33.26	0.	-20.67	31.48	3.575	-103.	0	61
28691	ONOCGN	RESIDUA	2.	0.	0.	0.04	4.7	0.35	0.15	0.38	0.	0.45	0.	1.33	1.000	0.	0	0
28691	PFBSTM	COAL-PF	2.	1.00	1.000	0.04	15.9	1.21	0.51	1.24	0.	0.	0.	2.96	2.230	-11.	0	77
28691	PFBSTM	COAL-PF	2.	4.01	1.000	0.04	16.0	1.21	0.52	1.24	0.	0.	-0.82	2.15	1.616	-8.	0	999
28691	TIHRSG	RESIDUA	2.	1.00	-1.274	0.04	14.0	1.04	0.44	0.74	1.04	0.	0.	3.26	2.457	-10.	0	63
28691	TIHRSG	COAL	2.	1.00	1.000	0.04	23.3	1.77	0.75	1.32	0.	0.	0.	3.83	2.888	-17.	0	78
28691	TIHRSG	COAL	2.	6.57	1.000	0.04	53.8	4.08	1.73	1.94	0.	0.	-1.52	6.24	4.699	-39.	0	125
28691	HEGT00	COAL-AF	2.	1.00	1.000	0.04	17.1	1.30	0.55	1.09	0.	0.	0.	2.94	2.214	-11.	0	82
28691	HEGT00	COAL-AF	2.	10.17	1.000	0.04	35.5	2.69	1.14	1.49	0.	0.	-2.50	2.83	2.129	-20.	0	23
28691	FCMCCL	COAL	2.	1.00	-9.257	0.04	18.0	1.40	0.59	1.13	2.73	0.	0.	5.85	4.409	-21.	0	60
28691	FCMCCL	COAL	2.	16.89	-0.053	0.04	39.9	3.10	1.32	2.06	4.73	0.	-4.34	6.87	5.175	-35.	0	71
28691	GTSOAR	RESIDUA	2.	1.00	-0.103	0.04	6.8	0.50	0.21	0.54	0.51	0.	0.	1.76	1.325	-2.	0	65
28691	GTAC08	RESIDUA	2.	1.00	-0.185	0.04	6.5	0.48	0.20	0.53	0.54	0.	0.	1.76	1.324	-2.	0	63
28691	GTAC12	RESIDUA	2.	1.00	-0.049	0.04	6.4	0.48	0.20	0.52	0.48	0.	0.	1.69	1.270	-2.	0	65
28691	GTAC16	RESIDUA	2.	1.00	0.009	0.04	6.5	0.48	0.20	0.52	0.45	0.	0.	1.66	1.252	-2.	0	67
28691	GTWC16	RESIDUA	2.	1.00	-0.016	0.04	6.7	0.50	0.21	0.53	0.47	0.	0.	1.70	1.282	-2.	0	67
28691	GTSOAD	DISTILL	2.	1.00	-0.096	0.04	6.4	0.47	0.20	0.52	0.62	0.	0.	1.81	1.366	-2.	0	61
28691	GTRA08	DISTILL	2.	1.00	0.104	0.04	6.8	0.50	0.21	0.53	0.50	0.	0.	1.75	1.321	-2.	0	65
28691	GTRA12	DISTILL	2.	1.00	0.106	0.04	6.7	0.50	0.21	0.53	0.50	0.	0.	1.74	1.313	-2.	0	65
28691	GTRA16	DISTILL	2.	1.00	0.083	0.04	6.9	0.51	0.22	0.53	0.52	0.	0.	1.77	1.335	-2.	0	65
28691	GTR208	DISTILL	2.	1.00	-0.000	0.04	6.7	0.50	0.21	0.53	0.56	0.	0.	1.80	1.356	-2.	0	63
28691	GTR212	DISTILL	2.	1.00	0.030	0.04	6.8	0.50	0.21	0.53	0.54	0.	0.	1.79	1.347	-2.	0	64
28691	GTR216	DISTILL	2.	1.00	0.050	0.04	6.8	0.50	0.21	0.53	0.53	0.	0.	1.78	1.341	-2.	0	64
28691	GTRW08	DISTILL	2.	1.00	0.088	0.04	6.9	0.51	0.22	0.53	0.51	0.	0.	1.77	1.334	-2.	0	65
28691	GTRW12	DISTILL	2.	1.00	0.121	0.04	6.9	0.51	0.22	0.53	0.49	0.	0.	1.75	1.320	-2.	0	66
28691	GTRW16	DISTILL	2.	1.00	0.104	0.04	7.0	0.52	0.22	0.53	0.50	0.	0.	1.78	1.337	-2.	0	65

ECONOMIC SENSITIVITY REPORT FOR SELECTED PROCESS-ECS MATCHES

SENSITIVITY OF CAPITAL COST — PERCENT OF ORIGINAL COST 100

************LEVELIZED ANNUAL ENERGY COSTS($ MILLIONS)************

ENERGY CONV SYSTEM	SITE-FUEL	POWER REQD MW	POWER GEN/REQD	FESR	POWER/HEAT RATIO	CAPITAL COST *10**6	CAPITAL	TAXES + INSNC	OANDM	FUEL	PURCHD ELEC	REVNUE	TOTAL	NORML	PRESNT WORTH 15%	ROI %	PAY BACK
28691 GTR312	DISTILL	2.	1.00	0.064	0.04	6.8	0.50	0.21	0.53	0.53	0.	0.	1.78	1.338	-2.	0	61
28691 GTR316	DISTILL	2.	1.00	0.056	0.04	6.9	0.51	0.22	0.53	0.53	0.	0.	1.79	1.351	-3.	0	61
28691 FCPADS	DISTILL	2.	1.00	0.158	0.04	7.0	0.52	0.22	0.62	0.47	0.	0.	1.82	1.374	-3.	0	65
28691 FCMCDS	DISTILL	2.	1.00	0.223	0.04	7.0	0.52	0.22	0.60	0.44	0.	0.	1.78	1.343	-3.	0	67
28692 ONOCGN	RESIDUA	6.	0.	0.	0.13	5.1	0.38	0.16	0.40	5.07	1.73	0.	7.74	1.000	0.	0	0
28692 PFBSTM	COAL-PF	6.	0.83	0.116	0.13	16.2	1.23	0.52	1.29	3.33	0.29	0.	6.66	0.860	-2.	11	8
28692 TIHRSG	RESIDUA	6.	1.00	0.046	0.13	30.6	2.26	0.96	1.21	6.50	0.	0.	10.94	1.414	-22.	0	78
28692 TIHRSG	RESIDUA	6.	2.00	0.073	0.13	46.5	3.45	1.47	1.46	7.93	0.	-1.04	13.27	1.714	-37.	0	73
28692 TIHRSG	COAL	6.	1.00	0.046	0.13	43.4	3.29	1.40	1.95	3.78	0.	0.	10.41	1.346	-27.	0	999
28692 TIHRSG	COAL	6.	2.00	0.073	0.13	59.8	4.54	1.93	2.14	4.61	0.	-1.04	12.18	1.574	-40.	0	999
28692 HEGT00	COAL-AF	6.	1.00	0.035	0.13	26.8	2.03	0.86	1.46	3.82	0.	0.	8.18	1.057	-12.	3	17
28692 HEGT00	COAL-AF	6.	3.04	0.070	0.13	38.8	2.95	1.25	1.63	5.61	0.	-2.12	9.31	1.204	-21.	0	23
28692 FCMCCL	COAL	6.	1.00	0.135	0.13	25.8	2.01	0.85	1.52	3.43	0.	0.	7.80	1.009	-11.	5	14
28692 FCMCCL	COAL	6.	5.02	0.333	0.13	43.5	3.38	1.44	2.25	5.36	0.	-4.18	8.25	1.067	-21.	4	16
28692 GTSOAR	RESIDUA	6.	1.00	0.086	0.13	9.4	0.70	0.30	0.67	6.23	0.	0.	7.90	1.021	-3.	1	23
28692 GTSOAR	RESIDUA	6.	6.61	0.233	0.13	17.9	1.32	0.56	0.80	12.75	0.	-5.84	9.59	1.240	-12.	0	71
28692 GTAC08	RESIDUA	6.	1.00	0.136	0.13	8.7	0.65	0.27	0.65	5.89	0.	0.	7.46	0.964	-1.	10	9
28692 GTAC08	RESIDUA	6.	4.96	0.309	0.13	11.9	0.89	0.38	0.60	8.41	0.	-3.19	7.09	0.916	-1.	11	8
28692 GTAC12	RESIDUA	6.	1.00	0.136	0.13	8.7	0.65	0.27	0.64	5.89	0.	0.	7.46	0.964	-1.	10	9
28692 GTAC12	RESIDUA	6.	5.01	0.336	0.13	13.8	1.02	0.44	0.66	9.17	0.	-4.17	7.12	0.921	-2.	10	9
28692 GTAC16	RESIDUA	6.	1.00	0.126	0.13	8.9	0.66	0.28	0.65	5.96	0.	0.	7.55	0.975	-1.	9	10
28692 GTAC16	RESIDUA	6.	6.00	0.332	0.13	16.3	1.21	0.51	0.73	10.39	0.	-5.20	7.63	0.987	-5.	6	12
28692 GTWC16	RESIDUA	6.	1.00	0.120	0.13	9.2	0.68	0.29	0.66	6.00	0.	0.	7.63	0.986	-2.	[illegible]	11
28692 GTWC16	RESIDUA	6.	5.98	0.316	0.13	15.9	1.18	0.50	0.73	10.62	0.	-5.18	7.84	1.013	-5.	[illegible]	15
28692 GTSOAD	DISTILL	6.	1.00	0.126	0.13	8.5	0.63	0.27	0.64	7.31	0.	0.	8.84	1.143	-5.	0	60
28692 GTSOAD	DISTILL	6.	4.95	0.309	0.13	12.6	0.93	0.40	0.63	11.62	0.	-4.11	9.46	1.223	-9.	0	62
28692 GTRA08	DISTILL	6.	1.00	0.081	0.13	9.5	0.71	0.30	0.67	7.68	0.	0.	9.35	1.209	-7.	0	59
28692 GTRA08	DISTILL	6.	13.60	0.261	0.13	29.7	2.20	0.94	1.16	26.10	0.	-13.10	17.30	2.235	-41.	0	59
28692 GTRA12	DISTILL	6.	1.00	0.091	0.13	9.5	0.70	0.30	0.67	7.60	0.	0.	9.27	1.198	-7.	0	59
28692 GTRA12	DISTILL	6.	11.69	0.284	0.13	27.5	2.04	0.87	1.09	22.37	0.	-11.12	15.25	1.970	-34.	0	59
28692 GTRA16	DISTILL	6.	1.00	0.096	0.13	9.8	0.72	0.31	0.67	7.56	0.	0.	9.26	1.197	-7.	0	60
28692 GTRA16	DISTILL	6.	9.99	0.290	0.13	26.0	1.93	0.82	1.03	19.60	0.	-9.34	14.04	1.814	-30.	0	60
28692 GTR208	DISTILL	6.	1.00	0.102	0.13	9.3	0.69	0.29	0.66	7.51	0.	0.	9.14	1.182	-6.	0	60
28692 GTR208	DISTILL	6.	7.30	0.285	0.13	18.6	1.38	0.59	0.82	15.63	0.	-6.55	11.86	1.533	-19.	0	60
28692 GTR212	DISTILL	6.	1.00	0.102	0.13	9.4	0.70	0.30	0.66	7.50	0.	0.	9.16	1.184	-7.	0	60
28692 GTR212	DISTILL	6.	7.88	0.291	0.13	20.2	1.50	0.64	0.86	16.37	0.	-7.16	12.21	1.578	-21.	0	60
28692 GTR216	DISTILL	6.	1.00	0.104	0.13	9.5	0.71	0.30	0.67	7.49	0.	0.	9.16	1.184	-7.	0	60
28692 GTR216	DISTILL	6.	8.21	0.299	0.13	21.6	1.61	0.69	0.90	16.63	0.	-7.50	12.39	1.602	-22.	0	60
28692 GTRW08	DISTILL	6.	1.00	0.072	0.13	9.6	0.71	0.30	0.67	7.76	0.	0.	9.45	1.221	-8.	0	59
28692 GTRW08	DISTILL	6.	15.06	0.236	0.13	30.2	2.24	0.95	1.19	29.39	0.	-14.62	19.15	2.476	-48.	0	58
28692 GTRW12	DISTILL	6.	1.00	0.085	0.13	9.7	0.72	0.30	0.67	7.65	0.	0.	9.33	1.206	-7.	0	59
28692 GTRW12	DISTILL	6.	13.70	0.275	0.13	28.3	2.10	0.89	1.13	25.80	0.	-13.21	16.70	2.158	-39.	0	59
28692 GTRW16	DISTILL	6.	1.00	0.091	0.13	9.9	0.73	0.31	0.67	7.60	0.	0.	9.31	1.204	-7.	0	60

ECONOMIC SENSITIVITY REPORT FOR SELECTED PROCESS-ECS MATCHES

SENSITIVITY OF CAPITAL COST — PERCENT OF ORIGINAL COST 100

ENERGY CONV SYSTEM	SITE-FUEL	POWER REQD MW	POWER GEN/ REQD	FESRPOWER /HEAT RATIO	CAPITAL COST x10**6	CAPITAL + INSNC	TAXES	O&M	FUEL	PURCHD ELEC	REVNUE	TOTAL	NORML	PRESNT WORTH 15%	ROI %	GROSS PAY BACK
						********** LEVELIZED ANNUAL ENERGY COSTS($ MILLIONS) **********										
28692 GTR308	DISTILL	6.	1.00	0.067	0.13	9.2	0.69	0.29	0.67	7.80	0.	0.	9.44	1.220	-7.	0	59
28692 GTR308	DISTILL	6.	9.90	0.202	0.13	22.2	1.64	0.70	0.95	21.89	0.	-9.26	15.92	2.056	-34.	0	58
28692 GTR312	DISTILL	6.	1.00	0.101	0.13	9.4	0.70	0.30	0.66	7.51	0.	0.	9.17	1.185	-7.	0	60
28692 GTR312	DISTILL	6.	8.75	0.297	0.13	20.3	1.51	0.64	0.87	17.53	0.	-8.06	12.49	1.614	-22.	0	60
28692 GTR316	DISTILL	6.	1.00	0.101	0.13	9.7	0.71	0.30	0.67	7.51	0.	0.	9.20	1.189	-7.	0	60
28692 GTR316	DISTILL	6.	8.56	0.295	0.13	20.9	1.55	0.66	0.89	17.30	0.	-7.86	12.53	1.620	-22.	0	60
28692 FCPADS	DISTILL	6.	1.00	0.084	0.13	9.8	0.73	0.31	1.09	7.66	0.	0.	9.79	1.265	-9.	0	59
28692 FCPADS	DISTILL	6.	17.24	0.279	0.13	58.1	4.30	1.83	10.30	31.08	0.	-16.69	30.62	3.958	-98.	0	60
28692 FCMCDS	DISTILL	6.	1.00	0.112	0.13	10.1	0.75	0.32	1.06	7.42	0.	0.	9.54	1.233	-8.	0	60
28692 FCMCDS	DISTILL	6.	13.64	0.360	0.13	50.1	3.71	1.58	7.74	22.68	0.	-13.14	22.57	2.917	-68.	0	62
28693 ONOCGN	RESIDUA	4.	0.	0.	0.04	13.3	0.99	0.42	0.69	10.65	1.09	0.	13.84	1.000	0.	0	0
28693 STM141	RESIDUA	4.	1.00	0.059	0.04	13.7	1.04	0.44	0.96	11.07	0.	0.	13.51	0.976	1.	31	4
28693 STM141	RESIDUA	4.	5.17	0.217	0.04	15.6	1.19	0.50	0.86	12.80	0.	-2.74	12.61	0.911	3.	30	4
28693 STM141	COAL-FG	4.	1.00	0.059	0.04	28.6	2.17	0.92	1.94	6.43	0.	0.	11.46	0.828	-0.	14	7
28693 STM141	COAL-FG	4.	5.17	0.217	0.04	29.1	2.21	0.94	1.75	7.43	0.	-2.74	9.59	0.693	6.	20	5
28693 STM141	COAL-AF	4.	1.00	0.059	0.04	26.9	2.04	0.87	1.85	6.43	0.	0.	11.19	0.808	2.	16	6
28693 STM141	COAL-AF	4.	5.17	0.217	0.04	20.7	1.57	0.67	1.57	7.43	0.	-2.74	8.50	0.614	13.	40	3
28693 STM088	RESIDUA	4.	1.00	0.059	0.04	12.2	0.93	0.39	0.94	11.07	0.	0.	13.33	0.963	2.	999	0
28693 STM088	RESIDUA	4.	3.61	0.170	0.04	13.9	1.06	0.45	0.82	12.15	0.	-1.71	12.76	0.922	3.	62	2
28693 STM088	COAL-FG	4.	1.00	0.059	0.04	28.9	2.19	0.93	1.96	6.43	0.	0.	11.51	0.832	-0.	14	7
28693 STM088	COAL-FG	4.	3.61	0.170	0.04	26.9	2.04	0.87	1.64	7.05	0.	-1.71	9.89	0.715	6.	21	5
28693 STM088	COAL-AF	4.	1.00	0.059	0.04	26.7	2.03	0.86	1.88	6.43	0.	0.	11.19	0.809	2.	16	6
28693 STM088	COAL-AF	4.	3.61	0.170	0.04	19.6	1.49	0.63	1.51	7.05	0.	-1.71	8.97	0.648	12.	42	3
28693 PFBSTM	COAL-PF	4.	1.00	0.057	0.04	27.9	2.12	0.90	1.92	6.44	0.	0.	11.37	0.822	0.	15	6
28693 PFBSTM	COAL-PF	4.	8.79	0.290	0.04	35.0	2.66	1.13	2.65	8.39	0.	-5.12	9.71	0.702	2.	16	6
28693 TISTMT	RESIDUA	4.	1.00	0.058	0.04	25.0	1.90	0.81	1.21	11.08	0.	0.	15.00	1.083	-9.	0	178
28693 TISTMT	RESIDUA	4.	10.70	0.322	0.04	81.2	6.16	2.62	2.71	15.22	0.	-6.37	20.34	1.469	-53.	0	155
28693 TISTMT	COAL	4.	1.00	0.058	0.04	36.9	2.80	1.19	2.09	6.43	0.	0.	12.51	0.904	-7.	9	9
28693 TISTMT	COAL	4.	11.89	0.338	0.04	109.0	8.27	3.52	3.82	9.13	0.	-7.16	17.58	1.270	-58.	1	24
28693 TIHRSG	RESIDUA	4.	1.00	0.043	0.04	27.6	2.04	0.87	1.22	11.25	0.	0.	15.38	1.111	-12.	0	96
28693 TIHRSG	RESIDUA	4.	5.59	0.166	0.04	72.9	5.40	2.30	2.36	14.02	0.	-3.01	21.06	1.521	-51.	0	80
28693 TIHRSG	COAL	4.	1.00	0.043	0.04	43.7	3.32	1.41	2.21	6.53	0.	0.	13.48	0.974	-14.	6	12
28693 TIHRSG	COAL	4.	6.21	0.178	0.04	98.7	7.49	3.19	3.40	8.36	0.	-3.42	19.02	1.374	-57.	0	999
28693 STIRL	DISTILL	4.	1.00	0.042	0.04	18.2	1.34	0.57	0.99	13.81	0.	0.	16.72	1.208	-11.	0	58
28693 STIRL	DISTILL	4.	13.54	0.259	0.04	37.2	2.76	1.17	1.59	23.26	0.	-8.24	20.54	1.484	-32.	0	60
28693 STIRL	RESIDUA	4.	1.00	0.042	0.04	18.2	1.35	0.57	0.99	11.27	0.	0.	14.17	1.024	-3.	0	999
28693 STIRL	RESIDUA	4.	13.54	0.259	0.04	37.3	2.76	1.17	1.59	18.98	0.	-8.24	16.26	1.175	-19.	0	115
28693 STIRL	COAL	4.	1.00	0.042	0.04	28.8	2.13	0.91	1.82	6.54	0.	0.	11.40	0.824	0.	15	7
28693 STIRL	COAL	4.	15.05	0.270	0.04	68.8	5.10	2.17	2.92	11.55	0.	-9.23	12.51	0.904	-22.	7	11
28693 HEGT85	COAL-AF	4.	1.00	0.013	0.04	32.6	2.47	1.05	1.82	6.73	0.	0.	12.08	0.873	-4.	11	8
28693 HEGT85	COAL-AF	4.	77.36	0.126	0.04	269.1	20.42	8.68	10.24	48.71	0.	-50.16	37.91	2.739	-199.	0	197
28693 HEGT60	COAL-AF	4.	1.00	0.018	0.04	32.3	2.45	1.04	1.82	6.71	0.	0.	12.02	0.868	-4.	11	8
28693 HEGT60	COAL-AF	4.	25.39	0.135	0.04	121.0	9.18	3.90	4.69	19.41	0.	-16.02	21.17	1.530	-75.	0	999

ECONOMIC SENSITIVITY REPORT FOR SELECTED PROCESS-ECS MATCHES

SENSITIVITY OF CAPITAL COST PERCENT OF ORIGINAL COST 100

************LEVELIZED ANNUAL ENERGY COSTS($ MILLIONS)***********

ENERGY CONV SYSTEM	SITE-FUEL	POWER REQD MW	POWER GEN/ REQD	FESR	POWER /HEAT RATIO	CAPITAL COST *10**6	CAPITAL	TAXES + INSNC	OANDM	FUEL	PURCHD ELEC	REVNUE	TOTAL	NORML	PRESNT WORTH 15%	ROI %	GROSS PAY [illegible]
28693 HEGT00	COAL-AF	4.	10.27	0.117	0.04	66.3	5.03	2.14	2.78	11.27	0.	-6.09	15.14	1.094	-30.	3	18
28693 FCMCCL	COAL	4.	1.00	-0.051	0.04	34.3	2.67	1.13	1.94	7.17	0.	0.	12.91	0.933	-8.	8	10
28693 FCMCCL	COAL	4.	18.30	0.311	0.04	79.4	6.17	2.62	4.28	12.34	0.	-11.36	14.05	1.015	-34.	5	14
28693 FCSTCL	COAL	4.	1.00	-0.049	0.04	33.7	2.62	1.11	1.97	7.16	0.	0.	12.87	0.930	-7.	8	10
28693 FCSTCL	COAL	4.	26.65	0.376	0.04	94.2	7.33	3.11	5.13	14.51	0.	-16.85	13.23	0.956	-38.	5	13
28693 IGGTST	COAL	4.	1.00	-0.060	0.04	32.8	2.55	1.08	1.96	7.23	0.	0.	12.82	0.926	-7.	8	10
28693 IGGTST	COAL	4.	18.33	0.246	0.04	72.7	5.65	2.40	2.64	13.52	0.	-11.38	12.83	0.927	-26.	6	12
28693 GTSOAR	RESIDUA	4.	1.00	0.042	0.04	17.3	1.28	0.55	0.93	11.26	0.	0.	14.02	1.013	-2.	0	27
28693 GTSOAR	RESIDUA	4.	17.54	0.288	0.04	28.5	2.11	0.90	1.30	21.35	0.	-10.86	14.80	1.069	-10.	0	999
28693 GTAC08	RESIDUA	4.	1.00	0.050	0.04	16.8	1.25	0.53	0.92	11.17	0.	0.	13.87	1.002	-2.	4	15
28693 GTAC08	RESIDUA	4.	13.46	0.310	0.04	22.5	1.67	0.71	1.13	17.59	0.	-8.18	12.92	0.933	-1.	12	8
28693 GTAC12	RESIDUA	4.	1.00	0.049	0.04	16.8	1.25	0.53	0.92	11.18	0.	0.	13.87	1.002	-2.	4	15
28693 GTAC12	RESIDUA	4.	16.85	0.333	0.04	26.5	1.96	0.83	1.24	19.50	0.	-10.41	13.13	0.949	-4.	9	9
28693 GTAC16	RESIDUA	4.	1.00	0.048	0.04	16.9	1.25	0.53	0.92	11.19	0.	0.	13.89	1.004	-2.	4	16
28693 GTAC16	RESIDUA	4.	19.15	0.341	0.04	30.1	2.23	0.95	1.34	20.93	0.	-11.92	13.52	0.977	-7.	6	12
28693 GTWC16	RESIDUA	4.	1.00	0.044	0.04	17.2	1.27	0.54	0.93	11.24	0.	0.	13.98	1.010	-2.	1	23
28693 GTWC16	RESIDUA	4.	19.96	0.315	0.04	29.1	2.15	0.92	1.33	22.37	0.	-12.46	14.31	1.034	-9.	2	20
28693 CC1626	RESIDUA	4.	1.00	0.043	0.04	15.9	1.29	0.55	0.99	11.25	0.	0.	14.07	1.016	-3.	0	999
28693 CC1626	RESIDUA	4.	30.31	0.348	0.04	37.5	2.85	1.21	1.72	28.73	0.	-19.25	15.26	1.102	-16.	0	999
28693 CC1622	RESIDUA	4.	1.00	0.045	0.04	16.7	1.27	0.54	0.98	11.22	0.	0.	14.01	1.012	-2.	0	27
28693 CC1622	RESIDUA	4.	27.24	0.356	0.04	37.4	2.84	1.21	1.68	26.21	0.	-17.23	14.70	1.062	-14.	1	22
28693 CC1222	RESIDUA	4.	1.00	0.046	0.04	16.6	1.26	0.54	0.98	11.22	0.	0.	13.99	1.011	-2.	1	25
28693 CC1222	RESIDUA	4.	27.08	0.359	0.04	35.5	2.70	1.15	1.65	25.98	0.	-17.13	14.34	1.036	-12.	3	18
28693 CC0822	RESIDUA	4.	1.00	0.049	0.04	16.8	1.27	0.54	0.99	11.18	0.	0.	13.98	1.010	-2.	1	23
28693 CC0822	RESIDUA	4.	21.43	0.360	0.04	29.7	2.26	0.96	1.47	21.95	0.	-13.42	13.22	0.955	-6.	7	10
28693 STIG15	RESIDUA	4.	1.00	0.016	0.04	16.9	1.25	0.53	0.94	11.56	0.	0.	14.29	1.032	-3.	0	85
28693 STIG15	RESIDUA	4.	751.59	0.171	0.04	671.0	49.70	21.13	39.86	696.39	0.	-493.01	314.07	22.691	-1252.	0	58
28693 STIG10	RESIDUA	4.	1.00	0.023	0.04	16.7	1.24	0.53	0.93	11.48	0.	0.	14.17	1.024	-3.	0	192
28693 STIG10	RESIDUA	4.	69.50	0.218	0.04	75.9	5.62	2.39	4.04	68.32	0.	-44.99	35.38	2.556	-97.	0	59
28693 STIG1S	RESIDUA	4.	1.00	0.026	0.04	16.6	1.23	0.52	0.93	11.44	0.	0.	14.13	1.021	-2.	0	[illegible]
28693 STIG1S	RESIDUA	4.	40.78	0.228	0.04	47.1	3.48	1.48	2.73	42.95	0.	-26.13	24.51	1.771	-49.	0	60
28693 DEADV3	RESIDUA	4.	1.00	0.032	0.04	20.1	1.49	0.63	1.02	11.37	0.	0.	14.51	1.048	-5.	0	135
28693 DEADV3	RESIDUA	4.	46.41	0.286	0.04	111.5	8.26	3.51	3.62	44.17	0.	-29.83	29.72	2.148	-96.	0	67
28693 DEHTPM	RESIDUA	4.	1.00	0.048	0.04	20.2	1.50	0.64	1.06	11.19	0.	0.	14.38	1.039	-5.	0	999
28693 DEHTPM	RESIDUA	4.	19.57	0.345	0.04	56.8	4.20	1.79	2.18	21.13	0.	-12.20	17.10	1.235	-31.	0	999
28693 DESOA3	DISTILL	4.	1.00	0.027	0.04	19.1	1.41	0.60	1.00	14.01	0.	0.	17.02	1.230	-13.	0	58
28693 DESOA3	DISTILL	4.	54.14	0.248	0.04	159.8	11.84	5.03	4.87	64.90	0.	-34.91	51.74	3.738	-187.	0	61
28693 DESOA3	RESIDUA	4.	1.00	0.027	0.04	19.1	1.41	0.60	1.00	11.43	0.	0.	14.44	1.043	-5.	0	115
28693 DESOA3	RESIDUA	4.	54.14	0.248	0.04	159.8	11.84	5.03	4.87	52.95	0.	-34.91	39.78	2.874	-150.	0	65
28693 GTSOAD	DISTILL	4.	1.00	0.047	0.04	16.7	1.23	0.52	0.92	13.73	0.	0.	16.41	1.185	-10.	0	57
28693 GTSOAD	DISTILL	4.	16.26	0.312	0.04	23.6	1.75	0.74	1.17	24.09	0.	-10.02	17.73	1.281	-17.	0	59
28693 GTRA08	DISTILL	4.	1.00	0.043	0.04	17.4	1.29	0.55	0.93	13.79	0.	0.	16.56	1.196	-10.	0	57
28693 GTRA08	DISTILL	4.	27.23	0.338	0.04	40.7	3.01	1.28	1.64	33.00	0.	-17.23	21.71	1.569	-37.	0	60

ECONOMIC SENSITIVITY REPORT FOR SELECTED PROCESS-ECS MATCHES

SENSITIVITY OF CAPITAL COST PERCENT OF ORIGINAL COST 100

**********LEVELIZED ANNUAL ENERGY COSTS($ MILLIONS)**********

ENERGY SYSTEM	CONV	SITE-FUEL	POWER REQD MW	POWER GEN/ REQD	FESRPOWER /HEAT RATIO	CAPITAL COST *10**6	CAPITAL INSNC	TAXES +	O&NDM	FUEL	PURCHD ELEC	REVNUE	TOTAL	NORML	PRESNT WORTH 15%	ROI %	GROSS PAY BACK	
28693	GTRA12	DISTILL	4.	26.52	0.345	0.04	38.8	2.88	1.22	1.59	32.05	0.	-16.76	20.99	1.516	-34.	0	60
28693	GTRA16	DISTILL	4.	1.00	0.044	0.04	17.6	1.30	0.55	0.93	13.77	0.	0.	16.55	1.196	-10.	0	57
28693	GTRA16	DISTILL	4.	24.70	0.341	0.04	39.0	2.89	1.23	1.59	30.62	0.	-15.57	20.76	1.500	-34.	0	61
28693	GTR208	DISTILL	4.	1.00	0.044	0.04	17.2	1.27	0.54	0.92	13.77	0.	0.	16.51	1.193	-10.	0	57
28693	GTR208	DISTILL	4.	20.41	0.321	0.04	30.8	2.28	0.97	1.37	27.60	0.	-12.75	19.47	1.406	-26.	0	60
28693	GTR212	DISTILL	4.	1.00	0.044	0.04	17.3	1.28	0.54	0.93	13.77	0.	0.	16.52	1.194	-10.	0	57
28693	GTR212	DISTILL	4.	21.89	0.327	0.04	33.1	2.45	1.04	1.43	28.70	0.	-13.72	19.90	1.438	-28.	0	60
28693	GTR216	DISTILL	4.	1.00	0.045	0.04	17.4	1.29	0.55	0.93	13.76	0.	0.	16.52	1.193	-10.	0	57
28693	GTR216	DISTILL	4.	22.44	0.336	0.04	35.3	2.61	1.11	1.49	28.82	0.	-14.09	19.95	1.441	-29.	0	60
28693	GTRW08	DISTILL	4.	1.00	0.036	0.04	17.5	1.30	0.55	0.93	13.89	0.	0.	16.67	1.204	-11.	0	57
28693	GTRW08	DISTILL	4.	32.45	0.297	0.04	40.5	3.00	1.27	1.67	40.01	0.	-20.66	25.29	1.828	-49.	0	58
28693	GTRW12	DISTILL	4.	1.00	0.039	0.04	17.5	1.30	0.55	0.93	13.85	0.	0.	16.63	1.201	-11.	0	57
28693	GTRW12	DISTILL	4.	32.93	0.320	0.04	40.7	3.02	1.28	1.68	39.15	-0.	-20.97	24.15	1.745	-45.	0	59
28693	GTRW16	DISTILL	4.	1.00	0.039	0.04	17.7	1.31	0.56	0.93	13.84	0.	0.	16.64	1.202	-11.	0	57
28693	GTRW16	DISTILL	4.	30.46	0.319	0.04	40.2	2.98	1.27	1.65	36.92	0.	-19.35	23.47	1.696	-43.	0	59
28693	GTR308	DISTILL	4.	1.00	0.034	0.04	17.2	1.28	0.54	0.93	13.92	0.	0.	16.67	1.204	-11.	0	57
28693	GTR308	DISTILL	4.	24.78	0.257	0.04	33.6	2.49	1.06	1.48	34.59	0.	-15.62	24.00	1.734	-41.	0	58
28693	GTR312	DISTILL	4.	1.00	0.040	0.04	17.3	1.28	0.55	0.93	13.83	0.	0.	16.58	1.198	-10.	0	57
28693	GTR312	DISTILL	4.	26.46	0.314	0.04	34.4	2.55	1.08	1.49	33.48	0.	-16.72	21.88	1.581	-35.	0	59
28693	GTR316	DISTILL	4.	1.00	0.040	0.04	17.5	1.30	0.55	0.93	13.83	0.	0.	16.61	1.200	-11.	0	57
28693	GTR316	DISTILL	4.	26.05	0.311	0.04	35.4	2.62	1.11	1.51	33.25	0.	-16.45	22.05	1.593	-36.	0	59
28693	FCPADS	DISTILL	4.	1.00	0.031	0.04	18.4	1.36	0.58	1.20	13.97	0.	0.	17.10	1.236	-13.	0	58
28693	FCPADS	DISTILL	4.	57.32	0.279	0.04	121.2	8.98	3.62	21.59	65.78	0.	-36.99	62.67	4.528	-206.	0	60
28693	FCMCDS	DISTILL	4.	1.00	0.041	0.04	18.5	1.37	0.58	1.17	13.82	0.	0.	16.95	1.224	-12.	0	58
28693	FCMCDS	DISTILL	4.	45.35	0.360	0.04	104.5	7.74	3.29	16.25	47.63	0.	-29.13	45.78	3.308	-145.	0	61
28694	ONOCGN	RESIDUA	3.	0.	0.	0.03	14.4	1.06	0.45	0.73	11.50	1.00	0.	14.75	1.000	0.	0	0
28694	STM141	RESIDUA	3.	1.00	0.050	0.03	14.7	1.12	0.47	1.03	11.88	0.	0.	14.50	0.983	0.	21	5
28694	STM141	RESIDUA	3.	3.49	0.146	0.03	15.0	1.14	0.49	0.86	12.82	0.	-1.50	13.81	0.937	2.	50	2
28694	STM141	COAL-FG	3.	1.00	0.050	0.03	31.6	2.40	1.02	2.11	6.90	0.	0.	12.42	0.843	-1.	13	7
28694	STM141	COAL-FG	3.	3.49	0.146	0.03	29.1	2.21	0.94	1.78	7.45	0.	-1.50	10.87	0.737	5.	20	5
28694	STM141	COAL-AF	3.	1.00	0.050	0.03	28.8	2.18	0.93	2.01	6.90	0.	0.	12.02	0.815	1.	16	6
28694	STM141	COAL-AF	3.	3.49	0.146	0.03	20.3	1.54	0.65	1.59	7.45	0.	-1.50	9.73	0.660	13.	45	3
28694	PFBSTM	COAL-PF	3.	1.00	0.048	0.03	30.2	2.29	0.97	2.07	6.91	0.	0.	12.24	0.830	-0.	14	7
28694	PFBSTM	COAL-PF	3.	7.81	0.242	0.03	35.3	2.68	1.14	2.76	8.54	0.	-4.10	11.02	0.747	1.	15	6
28694	TISTMT	RESIDUA	3.	1.00	0.049	0.03	26.8	2.03	0.86	1.28	11.89	0.	0.	16.06	1.089	-10.	0	119
28694	TISTMT	RESIDUA	3.	9.55	0.279	0.03	80.8	6.13	2.61	2.73	15.26	0.	-5.15	21.59	1.464	-53.	0	112
28694	TISTMT	COAL	3.	1.00	0.049	0.03	39.9	3.02	1.29	2.23	6.90	0.	0.	13.45	0.912	-8.	9	10
28694	TISTMT	COAL	3.	11.24	0.304	0.03	112.6	8.55	3.63	3.95	9.25	0.	-6.16	19.21	1.303	-61.	0	27
28694	TIHRSG	RESIDUA	3.	1.00	0.029	0.03	30.3	2.25	0.95	1.30	12.14	0.	0.	16.65	1.129	-13.	0	83
28694	TIHRSG	RESIDUA	3.	6.96	0.136	0.03	81.1	6.00	2.55	2.61	16.01	0.	-3.59	23.59	1.600	-59.	0	74
28694	TIHRSG	COAL	3.	1.00	0.029	0.03	44.4	3.37	1.43	2.29	7.05	0.	0.	14.14	0.959	-13.	6	12
28694	TIHRSG	COAL	3.	8.19	0.150	0.03	113.8	8.63	3.67	3.89	9.76	0.	-4.33	21.62	1.466	-69.	0	999
28694	STIRL	DISTILL	3.	1.00	0.034	0.03	19.5	1.45	0.62	1.04	14.81	0.	0.	17.91	1.215	-12.	0	57

ECONOMIC SENSITIVITY REPORT FOR SELECTED PROCESS-ECS MATCHES

SENSITIVITY OF CAPITAL COST — PERCENT OF ORIGINAL COST 100

**********LEVELIZED ANNUAL ENERGY COSTS($ MILLIONS)**********

ENERGY SYSTEM	CONV	SITE-FUEL	POWER REQD MW	POWER GEN/ REQD	FESR/HEAT RATIO	POWER CAPITAL COST *10**6	CAPITAL + INSNC	TAXES	OANDM	FUEL	PURCHD ELEC	REVNUE	TOTAL	NORML	FRESNT WORTH 15%	RO!	GROSS PAY BACK
28694	STIRL	RESIDUA	3.	1.00	0.034	0.03	19.5	1.45	0.62	1.04	12.08	0.	0.	15.18	1.030	-4.	0	999
28694	STIRL	RESIDUA	3.	13.70	0.231	0.03	38.9	2.88	1.23	1.66	19.49	0.	-7.65	17.62	1.195	-21.	0	85
28694	STIRL	COAL	3.	1.00	0.034	0.03	31.2	2.31	0.98	1.94	7.01	0.	0.	12.25	0.830	-0.	14	7
28694	STIRL	COAL	3.	16.12	0.248	0.03	73.5	5.45	2.31	3.09	12.14	0.	-9.10	13.89	0.942	-25.	6	12
28694	HEGT60	COAL-AF	3.	1.00	0.003	0.03	33.6	2.55	1.08	1.91	7.24	0.	0.	12.79	0.867	-3.	11	8
28694	HEGT60	COAL-AF	3.	49.08	0.030	0.03	181.3	13.76	5.85	7.19	34.43	0.	-28.95	32.28	2.189	-135.	0	110
28694	HEGT00	COAL-AF	3.	1.00	0.015	0.03	33.2	2.52	1.07	1.92	7.15	0.	0.	12.66	0.859	-3.	12	8
28694	HEGT00	COAL-AF	3.	13.35	0.099	0.03	75.1	5.70	2.42	3.15	13.07	0.	-7.43	16.92	1.147	-36.	1	22
28694	FCMCCL	COAL	3.	1.00	-0.119	0.03	36.3	2.82	1.20	2.04	8.13	0.	0.	14.19	0.962	-9.	7	11
28694	FCMCCL	COAL	3.	22.93	0.296	0.03	87.8	6.82	2.90	4.78	14.17	0.	-13.20	15.47	1.049	-33.	4	15
28694	FCSTCL	COAL	3.	1.00	-0.118	0.03	36.0	2.80	1.19	2.09	8.12	0.	0.	14.20	0.963	-9.	7	11
28694	FCSTCL	COAL	3.	25.51	0.340	0.03	97.0	7.54	3.20	5.35	15.44	0.	-16.57	14.97	1.015	-42.	5	14
28694	IGGTST	COAL	3.	1.00	-0.129	0.03	35.0	2.72	1.16	2.07	8.20	0.	0.	14.15	0.960	-9.	7	11
28694	IGGTST	COAL	3.	18.75	0.188	0.03	74.2	5.77	2.45	2.69	14.36	0.	-10.69	14.59	0.990	-29.	5	13
28694	GTSOAR	RESIDUA	3.	1.00	0.033	0.03	18.3	1.36	0.58	0.97	12.10	0.	0.	15.00	1.017	-3.	0	999
28694	GTSOAR	RESIDUA	3.	22.23	0.269	0.03	34.5	2.55	1.09	1.51	24.86	0.	-12.81	17.19	1.166	-17.	0	81
28694	GTAC08	RESIDUA	3.	1.00	0.043	0.03	17.9	1.32	0.56	0.96	11.97	0.	0.	14.81	1.005	-2.	3	17
28694	GTAC08	RESIDUA	3.	15.80	0.311	0.03	24.5	1.82	0.77	1.22	18.94	0.	-8.91	13.83	0.938	-2.	11	8
28694	GTAC12	RESIDUA	3.	1.00	0.042	0.03	17.8	1.32	0.56	0.95	11.98	0.	0.	14.82	1.005	-2.	3	17
28694	GTAC12	RESIDUA	3.	19.90	0.332	0.03	28.8	2.14	0.91	1.34	21.11	0.	-11.38	14.12	0.958	-5.	8	10
28694	GTAC16	RESIDUA	3.	1.00	0.041	0.03	17.9	1.33	0.56	0.95	12.00	0.	0.	14.85	1.007	-2.	2	20
28694	GTAC16	RESIDUA	3.	23.06	0.336	0.03	33.0	2.45	1.04	1.46	23.11	0.	-13.28	14.77	1.002	-9.	5	14
28694	GTWC16	RESIDUA	3.	1.00	0.038	0.03	18.2	1.35	0.57	0.96	12.03	0.	0.	14.92	1.012	-2.	0	27
28694	GTWC16	RESIDUA	3.	23.46	0.316	0.03	31.4	2.32	0.99	1.43	24.10	0.	-13.52	15.32	1.039	-10.	2	22
28694	DEHTPM	RESIDUA	3.	1.00	0.036	0.03	21.8	1.62	0.69	1.12	12.06	0.	0.	15.47	1.049	-6.	0	153
28694	DEHTPM	RESIDUA	3.	20.14	0.286	0.03	62.3	4.62	1.96	2.36	22.76	0.	-11.52	20.18	1.368	-40.	0	88
28694	GTSOAD	DISTILL	3.	1.00	0.040	0.03	17.7	1.31	0.56	0.95	14.72	0.	0.	17.54	1.190	-10.	0	57
28694	GTSOAD	DISTILL	3.	19.41	0.309	0.03	23.9	1.92	0.81	1.27	26.37	0.	-11.09	19.29	1.308	-20.	0	59
28694	GTRA08	DISTILL	3.	1.00	0.033	0.03	18.4	1.37	0.58	0.96	14.82	0.	0.	17.73	1.203	-11.	0	57
28694	GTRA08	DISTILL	3.	37.10	0.314	0.03	47.9	3.54	1.51	1.89	41.23	0.	-21.74	26.43	1.793	-52.	0	59
28694	GTRA12	DISTILL	3.	1.00	0.035	0.03	18.3	1.36	0.58	0.96	14.80	0.	0.	17.69	1.200	-11.	0	57
28694	GTRA12	DISTILL	3.	35.08	0.325	0.03	47.4	3.51	1.49	1.87	38.87	0.	-20.52	25.23	1.711	-48.	0	60
28694	GTRA16	DISTILL	3.	1.00	0.035	0.03	18.3	1.37	0.58	0.97	14.79	0.	0.	17.71	1.201	-11.	0	57
28694	GTRA16	DISTILL	3.	31.96	0.324	0.03	46.9	3.47	1.48	1.85	36.33	0.	-18.34	24.48	1.660	-46.	0	60
28694	GTR208	DISTILL	3.	1.00	0.036	0.03	18.2	1.35	0.57	0.96	14.78	0.	0.	17.66	1.198	-11.	0	57
28694	GTR208	DISTILL	3.	25.56	0.308	0.03	36.8	2.72	1.16	1.57	31.69	0.	-14.79	22.36	1.516	-34.	0	59
28694	GTR212	DISTILL	3.	1.00	0.036	0.03	18.3	1.35	0.58	0.96	14.78	0.	0.	17.67	1.198	-11.	0	57
28694	GTR212	DISTILL	3.	27.44	0.314	0.03	39.4	2.91	1.24	1.64	32.99	0.	-15.92	22.86	1.550	-37.	0	59
28694	GTR216	DISTILL	3.	1.00	0.037	0.03	18.3	1.36	0.59	0.96	14.77	0.	0.	17.67	1.198	-11.	0	57
28694	GTR216	DISTILL	3.	28.26	0.323	0.03	42.0	3.11	1.32	1.71	33.26	0.	-16.41	23.00	1.560	-39.	0	60
28694	GTRW08	DISTILL	3.	1.00	0.028	0.03	18.5	1.37	0.58	0.97	14.90	0.	0.	17.81	1.208	-12.	0	57
28694	GTRW08	DISTILL	3.	43.47	0.277	0.03	49.3	3.65	1.55	1.96	49.12	0.	-25.57	30.72	2.083	-66.	0	58
28694	GTRW12	DISTILL	3.	1.00	0.031	0.03	18.5	1.37	0.58	0.96	14.85	0.	0.	17.77	1.205	-11.	0	57

GENERAL ELECTRIC COMPANY
COGENERATION TECHNOLOGY ALTERNATIVES STUDY
REPORT 5.4

ECONOMIC SENSITIVITY REPORT FOR SELECTED PROCESS-ECS MATCHES

SENSITIVITY OF CAPITAL COST — PERCENT OF ORIGINAL COST 100

**********LEVELIZED ANNUAL ENERGY COSTS($ MILLIONS)**********

ENERGY SYSTEM	CONV	SITE-FUEL	POWER REQD MW	POWER GEN/ REQD	FESRPOWER /HEAT RATIO	CAPITAL COST *10**6	CAPITAL + INSNC	TAXES	OANDM	FUEL	PURCHD ELEC	REVNUE	TOTAL	NORML	PRESNT WORTH 15%	ROI %	GROSS PAY BACK	
28694	GTRW16	DISTILL	3.	1.00	0.032	0.03	18.6	1.38	0.59	0.97	14.84	0.	0.	17.77	1.205	-11.	0	57
28694	GTRW16	DISTILL	3.	38.72	0.307	0.03	47.5	3.52	1.50	1.89	43.03	0.	-22.71	27.22	1.846	-55.	0	59
28694	GTR308	DISTILL	3.	1.00	0.026	0.03	18.2	1.35	0.57	0.96	14.94	0.	0.	17.82	1.209	-11.	0	57
28694	GTR308	DISTILL	3.	32.45	0.236	0.03	38.6	2.86	1.22	1.67	41.52	0.	-18.93	28.33	1.921	-54.	0	58
28694	GTR312	DISTILL	3.	1.00	0.034	0.03	18.3	1.36	0.58	0.96	14.82	0.	0.	17.71	1.201	-11.	0	57
28694	GTR312	DISTILL	3.	32.36	0.308	0.03	40.1	2.97	1.26	1.68	37.53	0.	-18.88	24.57	1.666	-43.	0	59
28694	GTR316	DISTILL	3.	1.00	0.033	0.03	18.5	1.37	0.58	0.97	14.82	0.	0.	17.73	1.203	-11.	0	57
28694	GTR316	DISTILL	3.	31.80	0.305	0.03	41.1	3.05	1.30	1.71	37.21	0.	-18.54	24.72	1.676	-44.	0	59
28694	FCPADS	DISTILL	3.	1.00	0.026	0.03	19.6	1.45	0.62	1.21	14.93	0.	0.	18.21	1.235	-13.	0	58
28694	FCPADS	DISTILL	3.	87.50	0.279	0.03	131.4	9.73	4.14	23.32	70.46	0.	-40.04	67.61	4.585	-223.	0	60
28694	FCMCDS	DISTILL	3.	1.00	0.035	0.03	19.7	1.46	0.62	1.19	14.79	0.	0.	18.07	1.225	-13.	0	58
28694	FCMCDS	DISTILL	3.	53.39	0.360	0.03	113.4	8.40	3.57	17.56	51.41	0.	-31.55	49.38	3.349	-157.	0	61
28731	ONOCGN	RESIDUA	4.	0.	0.	0.02	22.1	1.63	0.70	0.98	23.01	1.13	0.	27.45	1.000	0.	0	0
28731	PFBSTM	COAL-PF	4.	1.00	0.026	0.02	40.2	3.05	1.30	2.77	13.66	0.	0.	20.78	0.757	12.	25	4
28731	PFBSTM	COAL-PF	4.	6.36	0.132	0.02	42.3	3.21	1.37	3.72	15.25	0.	-3.64	19.92	0.725	13.	25	4
28731	TIHRSG	RESIDUA	4.	1.00	0.009	0.02	34.9	2.58	1.10	1.49	23.94	0.	0.	29.11	1.060	-11.	0	77
28731	TIHRSG	RESIDUA	4.	13.87	0.073	0.02	138.6	10.26	4.36	3.98	35.98	0.	-8.74	45.83	1.669	-112.	0	68
28731	TIHRSG	COAL	4.	1.00	0.009	0.02	61.6	4.67	1.99	3.03	13.90	0.	0.	23.59	0.859	-7.	11	8
28731	TIHRSG	COAL	4.	13.87	0.073	0.02	176.4	13.38	5.69	5.95	20.89	0.	-8.74	37.18	1.354	-105.	0	999
28731	HEGTOO	COAL-AF	4.	1.00	0.006	0.02	49.7	3.77	1.60	2.64	13.93	0.	0.	21.94	0.799	4.	17	6
28731	HEGTOO	COAL-AF	4.	21.13	0.070	0.02	108.4	8.23	3.50	4.71	25.44	0.	-13.67	28.21	1.028	-44.	4	15
28731	FCMCCL	COAL	4.	1.00	0.025	0.02	55.5	4.31	1.83	2.83	13.67	0.	0.	22.65	0.825	-2.	13	7
28731	FCMCCL	COAL	4.	34.90	0.333	0.02	124.5	9.68	4.11	7.25	24.33	0.	-23.02	22.35	0.814	-35.	8	10
28731	GTSOAR	RESIDUA	4.	1.00	0.016	0.02	26.8	1.98	0.84	1.25	23.77	0.	0.	27.84	1.014	-3.	0	999
28731	GTSOAR	RESIDUA	4.	45.96	0.233	0.02	63.6	4.71	2.00	2.18	57.83	0.	-30.53	36.20	1.319	-47.	0	63
28731	GTAC08	RESIDUA	4.	1.00	0.025	0.02	26.3	1.95	0.83	1.24	23.55	0.	0.	27.56	1.004	-2.	3	19
28731	GTAC08	RESIDUA	4.	28.23	0.309	0.02	38.4	2.84	1.21	1.47	38.16	0.	-18.49	25.19	0.918	-1.	14	7
28731	GTAC12	RESIDUA	4.	1.00	0.025	0.02	26.3	1.94	0.83	1.23	23.54	0.	0.	27.54	1.003	-2.	3	18
28731	GTAC12	RESIDUA	4.	34.79	0.336	0.02	45.5	3.37	1.43	1.66	41.62	0.	-22.94	25.15	0.916	-4.	12	8
28731	GTAC16	RESIDUA	4.	1.00	0.023	0.02	26.4	1.95	0.83	1.23	23.59	0.	0.	27.60	1.005	-2.	2	22
28731	GTAC16	RESIDUA	4.	41.71	0.332	0.02	57.6	4.27	1.81	1.99	47.12	0.	-27.64	27.55	1.004	-17.	5	14
28731	GTWC16	RESIDUA	4.	1.00	0.022	0.02	26.6	1.97	0.84	1.24	23.61	0.	0.	27.66	1.008	-3.	0	28
28731	GTWC16	RESIDUA	4.	41.58	0.316	0.02	48.6	3.60	1.53	1.77	48.17	0.	-27.55	27.51	1.002	-13.	5	14
28731	GTSOAD	DISTILL	4.	1.00	0.023	0.02	26.1	1.93	0.82	1.23	28.92	0.	0.	32.90	1.198	-19.	0	56
28731	GTSOAD	DISTILL	4.	34.40	0.309	0.02	43.3	3.21	1.36	1.61	52.70	0.	-22.68	36.21	1.319	-37.	0	58
28731	GTRA08	DISTILL	4.	1.00	0.015	0.02	26.8	1.98	0.84	1.24	29.16	0.	0.	33.23	1.210	-20.	0	56
28731	GTRA08	DISTILL	4.	94.49	0.261	0.02	114.8	8.50	3.61	3.58	118.41	0.	-63.48	70.62	2.572	-179.	0	58
28731	GTRA12	DISTILL	4.	1.00	0.017	0.02	26.8	1.98	0.84	1.24	29.11	0.	0.	33.17	1.208	-20.	0	56
28731	GTRA12	DISTILL	4.	81.23	0.284	0.02	104.7	7.75	3.30	3.29	101.50	0.	-54.48	61.36	2.235	-145.	0	58
28731	GTRA16	DISTILL	4.	1.00	0.018	0.02	27.0	2.00	0.85	1.24	29.08	0.	0.	33.17	1.208	-20.	0	56
28731	GTRA16	DISTILL	4.	69.39	0.290	0.02	93.3	6.91	2.94	2.97	88.94	0.	-46.43	55.32	2.015	-121.	0	58
28731	GTR208	DISTILL	4.	1.00	0.019	0.02	26.6	1.97	0.84	1.24	29.05	0.	0.	33.10	1.206	-20.	0	56
28731	GTR208	DISTILL	4.	60.73	0.285	0.02	66.8	4.95	2.10	2.26	70.91	0.	-33.76	46.46	1.692	-81.	0	58

ECONOMIC SENSITIVITY REPORT FOR SELECTED PROCESS-ECS MATCHES

SENSITIVITY OF CAPITAL COST — PERCENT OF ORIGINAL COST 100

**********LEVELIZED ANNUAL ENERGY COSTS($ MILLIONS)**********

ENERGY SYSTEM	CONV	SITE-FUEL	POWER REQD MW	POWER GEN/ REQD	FESRPOWER /HEAT RATIO	CAPITAL COST *10**6	CAPITAL + INSNC	TAXES	OANDM	FUEL	PURCHD ELEC	REVNUE	TOTAL	NORML	PRESNT WORTH 15%	ROI %	GROSS PAY BACK
28731	GTR212	DISTILL	4.	54.78	0.291 0.02	72.4	5.36	2.28	2.41	74.26	0.	-36.52	47.80	1.741	-87.	0	58
28731	GTR216	DISTILL	4.	1.00	0.019 0.02	26.8	1.98	0.84	1.24	29.04	0.	0.	33.11	1.206	-20.	0	56
28731	GTR216	DISTILL	4.	57.03	0.299 0.02	78.6	5.82	2.47	2.57	75.70	0.	-38.04	48.52	1.767	-92.	0	59
28731	GTRW08	DISTILL	4.	1.00	0.013 0.02	26.9	1.99	0.85	1.24	29.21	0.	0.	33.29	1.213	-21.	0	56
28731	GTRW08	DISTILL	4.	104.51	0.236 0.02	112.8	8.35	3.55	3.56	133.32	0.	-70.35	78.44	2.857	-202.	0	57
28731	GTRW12	DISTILL	4.	1.00	0.016 0.02	26.9	1.99	0.85	1.24	29.14	0.	0.	33.22	1.210	-20.	0	56
28731	GTRW12	DISTILL	4.	95.23	0.275 0.02	97.9	7.25	3.08	3.16	117.03	0.	-63.98	66.54	2.424	-158.	0	58
28731	GTRW16	DISTILL	4.	1.00	0.017 0.02	27.1	2.01	0.85	1.24	29.11	0.	0.	33.21	1.210	-20.	0	56
28731	GTRW16	DISTILL	4.	80.12	0.284 0.02	91.0	6.74	2.86	2.94	100.39	0.	-53.72	59.21	2.157	-132.	0	58
28731	GTR308	DISTILL	4.	1.00	0.012 0.02	26.8	1.97	0.84	1.24	29.24	0.	0.	33.28	1.212	-20.	0	56
28731	GTR308	DISTILL	4.	68.81	0.202 0.02	75.8	5.61	2.39	2.56	99.29	0.	-46.04	63.81	2.324	-139.	0	57
28731	GTR312	DISTILL	4.	1.00	0.019 0.02	26.8	1.98	0.84	1.24	29.05	0.	0.	33.11	1.206	-20.	0	56
28731	GTR312	DISTILL	4.	60.79	0.297 0.02	70.9	5.25	2.23	2.39	79.52	0.	-40.60	48.79	1.777	-90.	0	58
28731	GTR316	DISTILL	4.	1.00	0.019 0.02	26.9	2.00	0.85	1.24	29.05	0.	0.	33.14	1.207	-20.	0	56
28731	GTR316	DISTILL	4.	59.47	0.295 0.02	72.8	5.39	2.29	2.43	78.48	0.	-39.70	48.89	1.781	-91.	0	58
28731	FCPADS	DISTILL	4.	1.00	0.015 0.02	28.9	2.14	0.91	1.55	29.15	0.	0.	33.75	1.229	-23.	0	57
28731	FCPADS	DISTILL	4.	119.79	0.279 0.02	237.6	17.60	7.48	45.41	141.02	0.	-80.66	130.85	4.766	-431.	0	60
28731	FCMCDS	DISTILL	4.	1.00	0.021 0.02	28.1	2.15	0.92	1.52	28.99	0.	0.	33.58	1.223	-23.	0	57
28731	FCMCDS	DISTILL	4.	94.76	0.360 0.02	204.4	15.14	6.44	33.97	102.89	0.	-63.67	94.77	3.452	-300.	0	61
28741	ONOCGN	RESIDUA	4.	0.	0. 0.15	3.7	0.27	0.12	0.32	3.11	1.22	0.	5.04	1.000	0.	0	0
28741	STM141	RESIDUA	4.	1.00	0.176 0.15	6.7	0.51	0.22	0.62	3.57	0.	0.	4.91	0.974	-1.	8	10
28741	STM141	RESIDUA	4.	1.72	0.252 0.15	6.6	0.50	0.21	0.49	3.90	0.	-0.52	4.58	0.908	0.	15	7
28741	STM141	COAL-FG	4.	1.00	0.176 0.15	13.7	1.04	0.44	1.11	2.07	0.	0.	4.67	0.926	-4.	7	11
28741	STM141	COAL-FG	4.	1.72	0.252 0.15	12.4	0.94	0.40	0.88	2.27	0.	-0.52	3.97	0.787	-1.	13	7
28741	STM141	COAL-AF	4.	1.00	0.176 0.15	12.3	0.93	0.40	1.03	2.07	0.	0.	4.43	0.879	-2.	10	9
28741	STM141	COAL-AF	4.	1.72	0.252 0.15	9.9	0.75	0.32	0.78	2.27	0.	-0.52	3.59	0.711	2.	18	5
28741	STM088	RESIDUA	4.	1.00	0.176 0.15	6.2	0.47	0.20	0.60	3.57	0.	0.	4.84	0.961	-1.	10	9
28741	STM088	RESIDUA	4.	1.32	0.213 0.15	5.8	0.44	0.19	0.46	3.72	0.	-0.23	4.58	0.908	0.	17	6
28741	STM088	COAL-FG	4.	1.00	0.176 0.15	13.0	0.99	0.42	1.07	2.07	0.	0.	4.55	0.903	-3.	8	10
28741	STM088	COAL-FG	4.	1.32	0.213 0.15	11.4	0.87	0.37	0.84	2.16	0.	-0.23	4.00	0.794	-1.	13	7
28741	STM088	COAL-AF	4.	1.00	0.176 0.15	11.4	0.87	0.37	1.00	2.07	0.	0.	4.30	0.854	-2.	11	8
28741	STM088	COAL-AF	4.	1.32	0.213 0.15	9.3	0.71	0.30	0.75	2.16	0.	-0.23	3.68	0.731	1.	19	5
28741	PFBSTM	COAL-PF	4.	1.00	0.174 0.15	14.8	1.12	0.48	1.17	2.08	0.	0.	4.85	0.962	-5.	6	12
28741	PFBSTM	COAL-PF	4.	2.61	0.312 0.15	15.5	1.18	0.50	1.13	2.52	0.	-1.18	4.15	0.823	-3.	10	9
28741	TISTMT	RESIDUA	4.	1.00	0.174 0.15	16.2	1.23	0.52	0.85	3.58	0.	0.	6.19	1.229	-10.	0	360
28741	TISTMT	RESIDUA	4.	3.41	0.352 0.15	33.7	2.56	1.09	1.19	4.72	0.	-1.76	7.80	1.548	-23.	0	213
28741	TISTMT	COAL	4.	1.00	0.174 0.15	24.3	1.84	0.78	1.37	2.08	0.	0.	6.08	1.206	-13.	0	30
28741	TISTMT	COAL	4.	3.41	0.352 0.15	42.8	3.25	1.38	1.68	2.74	0.	-1.76	7.29	1.447	-26.	0	909
28741	TIHRSG	RESIDUA	4.	1.00	0.131 0.15	23.0	1.70	0.72	0.94	3.77	0.	0.	7.13	1.414	-16.	0	94
28741	TIHRSG	RESIDUA	4.	1.46	0.170 0.15	28.3	2.10	0.89	0.94	4.07	0.	-0.34	7.66	1.521	-20.	0	94
28741	TIHRSG	COAL	4.	1.00	0.131 0.15	31.7	2.41	1.02	1.46	2.19	0.	0.	7.08	1.404	-20.	0	909
28741	TIHRSG	COAL	4.	1.46	0.170 0.15	36.5	2.77	1.18	1.38	2.36	0.	-0.34	7.36	1.459	-23.	0	999
28741	STIRL	DISTILL	4.	1.00	0.126 0.15	6.7	0.50	0.21	0.57	4.65	0.	0.	5.93	1.176	-4.	0	61

ECONOMIC SENSITIVITY REPORT FOR SELECTED PROCESS-ECS MATCHES

SENSITIVITY OF CAPITAL COST - PERCENT OF ORIGINAL COST 100

ENERGY CONV SYSTEM	SITE-FUEL	POWER REQD MW	POWER GEN/ REQD	FESRPOWER /HEAT RATIO	CAPITAL COST *10**6	CAPITAL + INSNC	TAXES	OANDM	FUEL	PURCHD ELEC	REVNUE	TOTAL	NORML	PRESNT WORTH 15%	ROI %	GROSS PAY BACK	
					LEVELIZED ANNUAL ENERGY COSTS($ MILLIONS)												
28741 STIRL	RESIDUA	4.	1.00	0.126	0.15	6.7	0.50	0.21	0.57	3.79	0.	0.	5.07	1.006	-2.	4	15
28741 STIRL	RESIDUA	4.	3.63	0.262	0.15	11.0	0.81	0.34	0.59	5.58	0.	-1.92	5.40	1.072	-5.	0	999
28741 STIRL	COAL	4.	1.00	0.126	0.15	13.7	1.02	0.43	1.05	2.20	0.	0.	4.70	0.933	-4.	7	11
28741 STIRL	COAL	4.	3.63	0.262	0.15	18.6	1.38	0.59	1.05	3.24	0.	-1.92	4.33	0.860	-5.	8	10
28741 HEGT85	COAL-AF	4.	1.00	0.047	0.15	21.6	1.64	0.70	1.17	2.40	0.	0.	5.90	1.171	-11.	0	28
28741 HEGT85	COAL-AF	4.	15.71	0.142	0.15	93.6	7.10	3.02	3.40	11.15	0.	-10.74	13.94	2.765	-71.	0	133
28741 HEGT60	COAL-AF	4.	1.00	0.058	0.15	20.9	1.59	0.68	1.16	2.37	0.	0.	5.79	1.149	-11.	1	26
28741 HEGT60	COAL-AF	4.	5.77	0.142	0.15	45.8	3.48	1.48	1.76	5.07	0.	-3.48	8.31	1.648	-31.	0	999
28741 HEGT00	COAL-AF	4.	1.00	0.066	0.15	19.9	1.51	0.64	1.13	2.35	0.	0.	5.63	1.116	-10.	1	22
28741 HEGT00	COAL-AF	4.	2.41	0.114	0.15	25.7	1.95	0.83	1.10	3.12	0.	-1.03	5.97	1.184	-14.	1	25
28741 FCMCCL	COAL	4.	1.00	0.151	0.15	19.2	1.49	0.63	1.18	2.14	0.	0.	5.44	1.080	-9.	3	19
28741 FCMCCL	COAL	4.	4.33	0.337	0.15	30.4	2.36	1.00	1.56	3.24	0.	-2.43	5.74	1.138	-15.	2	19
28741 FCSTCL	COAL	4.	1.00	0.157	0.15	18.6	1.45	0.61	1.21	2.12	0.	0.	5.40	1.070	-9.	3	18
28741 FCSTCL	COAL	4.	7.11	0.410	0.15	38.0	2.96	1.26	2.00	4.05	0.	-4.46	5.80	1.151	-19.	3	18
28741 IGGTST	COAL	4.	1.00	0.127	0.15	18.8	1.47	0.62	1.22	2.20	0.	0.	5.50	1.092	-9.	2	20
28741 IGGTST	COAL	4.	5.03	0.299	0.15	31.2	2.42	1.03	1.34	3.77	0.	-2.94	5.63	1.117	-15.	3	17
28741 GTSOAR	RESIDUA	4.	1.00	0.128	0.15	6.9	0.51	0.22	0.54	3.78	0.	0.	5.06	1.004	-2.	4	14
28741 GTSOAR	RESIDUA	4.	4.57	0.291	0.15	10.7	0.80	0.34	0.54	6.18	0.	-2.60	5.25	1.041	-4.	2	20
28741 GTAC08	RESIDUA	4.	1.00	0.150	0.15	6.4	0.47	0.20	0.53	3.68	0.	0.	4.89	0.970	-1.	9	9
28741 GTAC08	RESIDUA	4.	3.54	0.310	0.15	8.3	0.61	0.26	0.46	5.14	0.	-1.85	4.62	0.917	-1.	11	8
28741 GTAC12	RESIDUA	4.	1.00	0.148	0.15	6.4	0.47	0.20	0.53	3.69	0.	0.	4.90	0.971	-1.	9	10
28741 GTAC12	RESIDUA	4.	4.42	0.333	0.15	9.5	0.71	0.30	0.50	5.69	0.	-2.50	4.70	0.932	-2.	9	9
28741 GTAC16	RESIDUA	4.	1.00	0.146	0.15	6.5	0.48	0.21	0.53	3.70	0.	0.	4.92	0.977	-1.	8	10
28741 GTAC16	RESIDUA	4.	5.02	0.342	0.15	10.8	0.80	0.34	0.54	6.09	0.	-2.93	4.84	0.960	-3.	7	11
28741 GTWC16	RESIDUA	4.	1.00	0.132	0.15	6.8	0.51	0.21	0.54	3.76	0.	0.	5.02	0.996	-1.	5	13
28741 GTWC16	RESIDUA	4.	5.25	0.315	0.15	11.2	0.83	0.35	0.55	6.54	0.	-3.10	5.17	1.025	-4.	3	16
28741 CC1626	RESIDUA	4.	1.00	0.132	0.15	6.9	0.52	0.22	0.61	3.76	0.	0.	5.12	1.016	-2.	3	19
28741 CC1626	RESIDUA	4.	8.88	0.363	0.15	15.7	1.19	0.51	0.81	8.91	0.	-5.75	5.68	1.126	-8.	0	999
28741 CC1622	RESIDUA	4.	1.00	0.138	0.15	6.7	0.51	0.22	0.60	3.74	0.	0.	5.06	1.004	-2.	4	15
28741 CC1622	RESIDUA	4.	8.00	0.372	0.15	14.8	1.12	0.48	0.77	8.12	0.	-5.11	5.38	1.068	-6.	2	20
28741 CC1222	RESIDUA	4.	1.00	0.140	0.15	6.5	0.50	0.21	0.60	3.73	0.	0.	5.04	1.000	-1.	5	14
28741 CC1222	RESIDUA	4.	7.98	0.375	0.15	14.1	1.07	0.45	0.76	8.06	0.	-5.09	5.25	1.042	-6.	3	17
28741 CC0822	RESIDUA	4.	1.00	0.149	0.15	6.7	0.51	0.22	0.61	3.69	0.	0.	5.02	0.996	-1.	5	13
28741 CC0822	RESIDUA	4.	6.41	0.379	0.15	12.2	0.93	0.39	0.69	6.81	0.	-3.95	4.88	0.968	-4.	6	12
28741 STIG15	RESIDUA	4.	1.00	0.049	0.15	6.9	0.51	0.22	0.58	4.12	0.	0.	5.43	1.077	-3.	0	92
28741 STIG15	RESIDUA	4.	197.56	0.171	0.15	206.7	15.31	6.51	12.38	203.39	0.	-143.45	94.14	18.674	-375.	0	58
28741 STIG10	RESIDUA	4.	1.00	0.070	0.15	6.7	0.49	0.21	0.56	4.03	0.	0.	5.30	1.051	-2.	0	999
28741 STIG10	RESIDUA	4.	18.27	0.218	0.15	23.9	1.77	0.75	1.40	19.96	0.	-12.60	11.27	2.236	-29.	0	60
28741 STIG1S	RESIDUA	4.	1.00	0.080	0.15	6.6	0.49	0.21	0.56	3.99	0.	0.	5.25	1.041	-2.	0	999
28741 STIG1S	RESIDUA	4.	10.72	0.225	0.15	16.2	1.20	0.51	1.00	12.54	0.	-7.09	8.16	1.619	-16.	0	62
28741 DEADV3	RESIDUA	4.	1.00	0.099	0.15	8.8	0.65	0.28	0.62	3.91	0.	0.	5.45	1.081	-4.	0	999
28741 DEADV3	RESIDUA	4.	11.88	0.289	0.15	32.4	2.40	1.02	1.23	12.56	0.	-7.94	9.26	1.838	-27.	0	70
28741 DEHTPM	RESIDUA	4.	1.00	0.148	0.15	8.9	0.66	0.28	0.65	3.70	0.	0.	5.28	1.047	-3.	0	28

ECONOMIC SENSITIVITY REPORT FOR SELECTED PROCESS-ECS MATCHES

SENSITIVITY OF CAPITAL COST — PERCENT OF ORIGINAL COST 100

ENERGY SYSTEM	CONV	SITE-FUEL	POWER REQD MW	POWER GEN/ REQD	FESRPOWER /HEAT RATIO	CAPITAL COST *10**6	CAPITAL + INSNC	TAXES	OANDM	FUEL	PURCHD ELEC	REVNUE	TOTAL	NORML	PRESNT WORTH 15%	ROI %	GROSS PAY BACK
						********** LEVELIZED ANNUAL ENERGY COSTS($ MILLIONS) **********											
28741	DESOA3	DISTILL	4.	1.00	0.084	0.15	7.8	0.58	0.25	0.60	4.87	0.	0.	6.29	1.248	-6.	0	60
28741	DESOA3	DISTILL	4.	13.79	0.251	0.15	46.0	3.41	1.45	1.60	18.37	0.	-9.33	15.49	3.073	-53.	0	61
28741	DESOA3	RESIDUA	4.	1.00	0.084	0.15	7.8	0.58	0.25	0.60	3.97	0.	0.	5.40	1.070	-3.	0	999
28741	DESOA3	RESIDUA	4.	13.79	0.251	0.15	46.0	3.41	1.45	1.60	14.98	0.	-9.33	12.11	2.401	-42.	0	67
28741	GTSOAD	DISTILL	4.	1.00	0.141	0.15	6.2	0.46	0.20	0.52	4.56	0.	0.	5.75	1.140	-3.	0	61
28741	GTSOAD	DISTILL	4.	4.26	0.313	0.15	8.6	0.64	0.27	0.48	7.02	0.	-2.38	6.02	1.194	-5.	0	63
28741	GTRA08	DISTILL	4.	1.00	0.131	0.15	7.1	0.53	0.22	0.54	4.62	0.	0.	5.91	1.173	-4.	0	62
28741	GTRA08	DISTILL	4.	7.04	0.341	0.15	14.5	1.07	0.46	0.65	9.49	0.	-4.41	7.26	1.440	-12.	0	63
28741	GTRA12	DISTILL	4.	1.00	0.134	0.15	7.0	0.52	0.22	0.54	4.60	0.	0.	5.89	1.168	-4.	0	62
28741	GTRA12	DISTILL	4.	6.88	0.347	0.15	14.5	1.07	0.46	0.65	9.24	0.	-4.29	7.13	1.414	-12.	0	64
28741	GTRA16	DISTILL	4.	1.00	0.135	0.15	7.2	0.54	0.23	0.55	4.60	0.	0.	5.91	1.172	-4.	0	62
28741	GTRA16	DISTILL	4.	6.42	0.343	0.15	14.6	1.08	0.46	0.65	8.85	0.	-3.96	7.08	1.405	-12.	0	64
28741	GTR208	DISTILL	4.	1.00	0.135	0.15	6.8	0.50	0.21	0.54	4.60	0.	0.	5.86	1.162	-4.	0	62
28741	GTR208	DISTILL	4.	5.32	0.323	0.15	11.5	0.85	0.36	0.56	8.00	0.	-3.16	6.62	1.312	-9.	0	63
28741	GTR212	DISTILL	4.	1.00	0.134	0.15	6.9	0.51	0.22	0.54	4.60	0.	0.	5.87	1.165	-4.	0	62
28741	GTR212	DISTILL	4.	5.71	0.329	0.15	12.4	0.92	0.39	0.59	8.32	0.	-3.44	6.78	1.345	-10.	0	63
28741	GTR216	DISTILL	4.	1.00	0.137	0.15	7.0	0.52	0.22	0.54	4.59	0.	0.	5.87	1.165	-4.	0	62
28741	GTR216	DISTILL	4.	5.85	0.338	0.15	13.1	0.97	0.41	0.61	8.35	0.	-3.54	6.80	1.348	-10.	0	64
28741	GTRW08	DISTILL	4.	1.00	0.110	0.15	7.2	0.53	0.23	0.55	4.73	0.	0.	6.04	1.198	-5.	0	61
28741	GTRW08	DISTILL	4.	8.41	0.300	0.15	15.9	1.18	0.50	0.71	11.52	0.	-5.41	8.50	1.687	-17.	0	60
28741	GTRW12	DISTILL	4.	1.00	0.118	0.15	7.2	0.53	0.23	0.55	4.69	0.	0.	6.00	1.189	-5.	0	61
28741	GTRW12	DISTILL	4.	8.56	0.322	0.15	16.0	1.19	0.50	0.71	11.30	0.	-5.51	8.19	1.625	-16.	0	61
28741	GTRW16	DISTILL	4.	1.00	0.120	0.15	7.4	0.55	0.23	0.55	4.68	0.	0.	6.01	1.192	-5.	0	61
28741	GTRW16	DISTILL	4.	7.93	0.321	0.15	15.9	1.18	0.50	0.70	10.68	0.	-5.06	8.01	1.589	-15.	0	61
28741	GTR308	DISTILL	4.	1.00	0.103	0.15	6.9	0.51	0.22	0.54	4.77	0.	0.	6.04	1.198	-3.	0	60
28741	GTR308	DISTILL	4.	6.42	0.260	0.15	12.8	0.95	0.40	0.62	9.96	0.	-3.96	7.98	1.583	-14.	0	59
28741	GTR312	DISTILL	4.	1.00	0.122	0.15	7.0	0.52	0.22	0.54	4.67	0.	0.	5.95	1.180	-4.	0	61
28741	GTR312	DISTILL	4.	6.92	0.315	0.15	13.4	0.99	0.42	0.63	9.73	0.	-4.32	7.45	1.478	-12.	0	61
28741	GTR316	DISTILL	4.	1.00	0.121	0.15	7.2	0.53	0.23	0.55	4.67	0.	0.	5.97	1.185	-5.	0	61
28741	GTR316	DISTILL	4.	6.81	0.312	0.15	13.9	1.03	0.44	0.64	9.66	0.	-4.24	7.53	1.493	-13.	0	61
28741	FCPADS	DISTILL	4.	1.00	0.092	0.15	7.1	0.52	0.22	0.83	4.83	0.	0.	6.40	1.269	-6.	0	60
28741	FCPADS	DISTILL	4.	15.07	0.279	0.15	36.5	2.70	1.15	6.39	19.07	0.	-10.27	19.04	3.776	-60.	0	60
28741	FCMCDS	DISTILL	4.	1.00	0.123	0.15	7.2	0.53	0.23	0.80	4.66	0.	0.	6.22	1.234	-5.	0	61
28741	FCMCDS	DISTILL	4.	11.92	0.360	0.15	31.1	2.31	0.98	4.80	13.91	0.	-7.97	14.03	2.784	-42.	0	62
28951	ONOCON	RESIDUA	4.	0.	0.	0.68	1.4	0.10	0.04	0.18	0.68	1.22	0.	2.22	1.000	0.	0	0
28951	STM141	RESIDUA	4.	0.36	0.146	0.68	2.6	0.19	0.08	0.27	0.84	0.77	0.	2.16	0.975	-0.	8	10
28951	STM141	COAL-FG	4.	0.36	0.146	0.68	4.4	0.33	0.14	0.43	0.49	0.77	0.	2.17	0.978	-1.	6	12
28951	STM141	COAL-AF	4.	0.36	0.146	0.68	4.0	0.30	0.13	0.38	0.49	0.77	0.	2.07	0.935	-1.	9	10
28951	STM088	RESIDUA	4.	0.28	0.111	0.68	2.2	0.17	0.07	0.26	0.80	0.88	0.	2.17	0.981	-0.	9	10
28951	STM088	COAL-FG	4.	0.28	0.111	0.68	4.0	0.30	0.13	0.42	0.47	0.88	0.	2.19	0.988	-1.	6	13
28951	STM088	COAL-AF	4.	0.28	0.111	0.68	3.7	0.28	0.12	0.37	0.47	0.88	0.	2.12	0.955	-1.	8	10
28951	PFBSTM	COAL-PF	4.	0.56	0.221	0.68	5.9	0.45	0.19	0.48	0.55	0.54	0.	2.20	0.992	-2.	5	13
28951	TISTMT	RESIDUA	4.	0.73	0.289	0.68	11.0	0.83	0.35	0.49	1.02	0.33	0.	3.03	1.368	-7.	0	999

ECONOMIC SENSITIVITY REPORT FOR SELECTED PROCESS-ECS MATCHES

SENSITIVITY OF CAPITAL COST — PERCENT OF ORIGINAL COST 100

ENERGY SYSTEM	CONV	SITE-FUEL	POWER REQD MW	POWER GEN/ REQD	FESRPOWER /HEAT RATIO	CAPITAL COST x10**6	CAPITAL + INSNC	TAXES	OANDM	FUEL	PURCHD ELEC /	REVNUE	TOTAL	NORML	PRESNT WORTH 15%	ROI %	GROSS PAY BACK
28951	TIHRSG	RESIDUA	4.	0.31	0.101	0.68	9.1	0.67	0.29	0.36	0.86	0.84	0.	3.02	1.363	-6.	0	97
28951	TIHRSG	COAL	4.	0.31	0.101	0.68	11.7	0.89	0.38	0.53	0.50	0.84	0.	3.14	1.417	-8.	0	405
28951	STIRL	DISTILL	4.	0.85	0.247	0.68	2.7	0.20	0.08	0.25	1.53	0.19	0.	2.24	1.012	-1.	3	17
28951	STIRL	RESIDUA	4.	0.85	0.247	0.68	2.7	0.20	0.08	0.25	1.24	0.19	0.	1.96	0.885	0.	17	6
28951	STIRL	COAL	4.	0.85	0.247	0.68	5.[illegible]	0.37	0.16	0.42	0.72	0.19	0.	1.85	0.837	-1.	12	8
28951	HEGT85	COAL-AF	4.	1.00	0.164	0.68	15.[illegible]	1.18	0.50	0.79	0.92	0.	0.	3.39	1.530	-11.	0	999
28951	HEGT85	COAL-AF	4.	2.20	0.203	0.68	23.3	1.77	0.75	0.99	1.56	0.	-0.88	4.09	1.847	-16.	0	999
28951	HEGT60	COAL-AF	4.	1.00	0.174	0.68	14.0	1.06	0.45	0.68	0.91	0.	0.	3.11	1.403	-9.	0	999
28951	HEGT60	COAL-AF	4.	1.09	0.180	0.68	14.2	1.08	0.46	0.59	0.96	0.	-0.07	3.02	1.364	-9.	0	999
28951	HEGT00	COAL-AF	4.	0.51	0.086	0.68	8.6	0.65	0.28	0.41	0.66	0.60	0.	2.60	1.173	-5.	0	999
28951	FCMCCL	COAL	4.	0.94	0.324	0.68	10.3	0.80	0.34	0.56	0.70	0.08	0.	2.48	1.120	-5.	2	20
28951	FCSTCL	COAL	4.	1.00	0.359	0.68	11.3	0.88	0.37	0.79	0.71	0.	0.	2.75	1.242	-7.	0	999
28951	FCSTCL	COAL	4.	1.53	0.409	0.68	12.9	1.00	0.43	0.74	0.88	0.	-0.39	2.66	1.199	-7.	1	23
28951	IGGTST	COAL	4.	1.00	0.289	0.68	11.4	0.89	0.38	0.73	0.79	0.	0.	2.78	1.255	-7.	0	999
28951	IGGTST	COAL	4.	1.08	0.297	0.68	11.3	0.88	0.38	0.64	0.82	0.	-0.06	2.65	1.197	-6.	1	25
28951	GTSOAR	RESIDUA	4.	0.96	0.292	0.68	3.6	0.27	0.11	0.24	1.30	0.05	0.	1.97	0.888	-0.	12	7
28951	GTAC08	RESIDUA	4.	0.77	0.263	0.68	2.7	0.20	0.09	0.21	1.12	0.28	0.	1.90	0.859	0.	19	5
28951	GTAC12	RESIDUA	4.	0.95	0.325	0.68	3.0	0.22	0.10	0.23	1.23	0.06	0.	1.83	0.826	0.	19	5
28951	GTAC16	RESIDUA	4.	1.00	0.338	0.68	3.4	0.26	0.11	0.30	1.26	0.	0.	1.92	0.866	-0.	14	7
28951	GTAC16	RESIDUA	4.	1.07	0.346	0.68	3.4	0.25	0.11	0.24	1.30	0.	-0.05	1.84	0.832	0.	17	6
28951	GTWC16	RESIDUA	4.	1.00	0.301	0.68	3.8	0.28	0.12	0.32	1.33	0.	0.	2.05	0.926	-1.	10	9
28951	GTWC16	RESIDUA	4.	1.14	0.315	0.68	3.8	0.28	0.12	0.25	1.42	0.	-0.10	1.97	0.890	-0.	12	8
28951	CC1626	RESIDUA	4.	1.00	0.301	0.68	4.2	0.32	0.14	0.43	1.33	0.	0.	2.22	1.002	-1.	5	14
28951	CC1626	RESIDUA	4.	1.91	0.362	0.68	5.3	0.40	0.17	0.40	1.93	0.	-0.67	2.23	1.007	-2.	5	14
28951	CC1622	RESIDUA	4.	1.00	0.315	0.68	4.0	0.30	0.13	0.42	1.30	0.	0.	2.15	0.971	-1.	7	11
28951	CC1622	RESIDUA	4.	1.72	0.370	0.68	4.7	0.36	0.15	0.37	1.76	0.	-0.53	2.11	0.952	-1.	7	11
28951	CC1222	RESIDUA	4.	1.00	0.318	0.68	3.8	0.29	0.12	0.42	1.30	0.	0.	2.13	0.961	-1.	7	11
28951	CC1222	RESIDUA	4.	1.72	0.374	0.68	4.5	0.34	0.15	0.37	1.74	0.	-0.52	2.07	0.936	-1.	8	10
28951	CC0822	RESIDUA	4.	1.00	0.340	0.68	3.9	0.29	0.13	0.41	1.25	0.	0.	2.09	0.941	-1.	9	10
28951	CC0822	RESIDUA	4.	1.38	0.377	0.68	4.1	0.31	0.13	0.35	1.47	0.	-0.28	1.99	0.897	-1.	10	8
28951	STIG15	RESIDUA	4.	1.00	0.111	0.68	4.5	0.33	0.14	0.43	1.69	0.	0.	2.59	1.166	-3.	0	94
28951	STIG15	RESIDUA	4.	42.95	0.171	0.68	51.1	3.78	1.61	3.19	44.22	0.	-30.61	22.18	10.005	-86.	0	59
28951	STIG10	RESIDUA	4.	1.00	0.160	0.68	4.1	0.31	0.13	0.40	1.60	0.	0.	2.43	1.097	-2.	0	999
28951	STIG10	RESIDUA	4.	3.97	0.218	0.68	7.8	0.58	0.25	0.52	4.34	0.	-2.17	3.51	1.585	-7.	0	61
28951	STIG1S	RESIDUA	4.	1.00	0.182	0.68	4.0	0.29	0.12	0.39	1.56	0.	0.	2.36	1.066	-2.	0	999
28951	STIG1S	RESIDUA	4.	2.33	0.228	0.68	5.4	0.40	0.17	0.39	2.73	0.	-0.97	2.72	1.225	-3.	0	82
28951	DEADV3	RESIDUA	4.	1.00	0.241	0.68	5.7	0.42	0.18	0.43	1.44	0.	0.	2.47	1.116	-3.	0	999
28951	DEADV3	RESIDUA	4.	2.33	0.303	0.68	7.9	0.58	0.25	0.43	2.46	0.	-0.97	2.75	1.242	-5.	0	999
28951	DEHTPM	RESIDUA	4.	1.00	0.356	0.68	5.3	0.39	0.17	0.42	1.22	0.	0.	2.20	0.993	-2.	5	13
28951	DEHTPM	RESIDUA	4.	1.19	0.378	0.68	5.4	0.40	0.17	0.35	1.33	0.	-0.14	2.12	0.955	-2.	7	11
28951	DESOA3	DISTILL	4.	1.00	0.207	0.68	4.8	0.35	0.15	0.41	1.[illegible]	0.	0.	2.77	1.248	-3.	0	70
28951	DESOA3	DISTILL	4.	2.65	0.266	0.68	9.[illegible]	0.69	0.29	0.48	3.53	0.	-1.20	3.79	1.709	-9.	0	64
28951	DESOA3	RESIDUA	4.	1.00	0.207	0.68	4.8	0.35	0.15	0.41	1.51	0.	0.	2.43	1.094	-2.	0	999

ECONOMIC SENSITIVITY REPORT FOR SELECTED PROCESS-ECS MATCHES

SENSITIVITY OF CAPITAL COST — PERCENT OF ORIGINAL COST 100

**********LEVELIZED ANNUAL ENERGY COSTS($ MILLIONS)**********

ENERGY SYSTEM	CONV	SITE-FUEL	POWER REQD MW	POWER GEN/ REQD	FESRPOWER /HEAT RATIO	CAPITAL COST *10**6	CAPITAL + INSNC	TAXES	OANDM	FUEL	PURCHD ELEC	REVNUE	TOTAL	NORML	PRESNT WORTH 15%	ROI %	GROSS PAY BACK
28951	GTSOAD	DISTILL	4.	0.91	0.299 0.68	2.8	0.21	0.09	0.22	1.50	0.11	0.	2.13	0.959	-0.	9	9
28951	GTRA08	DISTILL	4.	1.00	0.313 0.68	4.3	0.32	0.13	0.35	1.60	0.	0.	2.40	1.084	-2.	0	999
28951	GTRA08	DISTILL	4.	1.44	0.351 0.68	4.7	0.35	0.15	0.28	1.95	0.	-0.32	2.40	1.083	-2.	0	999
28951	GTRA12	DISTILL	4.	1.00	0.318 0.68	4.2	0.31	0.13	0.35	1.59	0.	0.	2.38	1.073	-2.	0	999
28951	GTRA12	DISTILL	4.	1.42	0.356 0.68	4.6	0.34	0.14	0.28	1.91	0.	-0.31	2.37	1.068	-2.	0	29
28951	GTRA16	DISTILL	4.	1.00	0.319 0.68	4.4	0.32	0.14	0.35	1.59	0.	0.	2.39	1.080	-2.	0	999
28951	GTRA16	DISTILL	4.	1.34	0.351 0.68	4.7	0.35	0.15	0.28	1.85	0.	-0.25	2.37	1.069	-2.	0	29
28951	GTR208	DISTILL	4.	1.00	0.317 0.68	3.8	0.28	0.12	0.32	1.59	0.	0.	2.31	1.041	-1.	1	24
28951	GTR208	DISTILL	4.	1.12	0.330 0.68	3.8	0.28	0.12	0.25	1.69	0.	-0.09	2.24	1.012	-1.	4	15
28951	GTR212	DISTILL	4.	1.00	0.315 0.68	4.0	0.29	0.13	0.33	1.60	0.	0.	2.35	1.058	-2.	0	30
28951	GTR212	DISTILL	4.	1.20	0.335 0.68	4.0	0.30	0.13	0.26	1.75	0.	-0.15	2.29	1.034	-1.	2	20
28951	GTR216	DISTILL	4.	1.00	0.321 0.68	4.1	0.30	0.13	0.33	1.58	0.	0.	2.35	1.058	-2.	0	29
28951	GTR216	DISTILL	4.	1.23	0.344 0.68	4.2	0.31	0.13	0.26	1.76	0.	-0.17	2.30	1.036	-2.	2	20
28951	GTRW08	DISTILL	4.	1.00	0.262 0.68	4.5	0.33	0.14	0.37	1.72	0.	0.	2.56	1.153	-3.	0	102
28951	GTRW08	DISTILL	4.	1.73	0.308 0.68	5.3	0.40	0.17	0.31	2.38	0.	-0.54	2.71	1.224	-3.	0	78
28951	GTRW12	DISTILL	4.	1.00	0.278 0.68	4.5	0.33	0.14	0.36	1.68	0.	0.	2.52	1.136	-2.	0	162
28951	GTRW12	DISTILL	4.	1.78	0.329 0.68	5.4	0.40	0.17	0.31	2.35	0.	-0.57	2.67	1.202	-3.	0	89
28951	GTRW16	DISTILL	4.	1.00	0.280 0.68	4.6	0.34	0.14	0.37	1.68	0.	0.	2.53	1.140	-2.	0	174
28951	GTRW16	DISTILL	4.	1.66	0.327 0.68	5.4	0.40	0.17	0.31	2.24	0.	-0.49	2.64	1.190	-3.	0	101
28951	GTR308	DISTILL	4.	1.00	0.249 0.68	4.0	0.30	0.13	0.34	1.75	0.	0.	2.52	1.135	-2.	0	96
28951	GTR308	DISTILL	4.	1.32	0.272 0.68	4.2	0.31	0.13	0.27	2.05	0.	-0.23	2.53	1.141	-2.	0	90
28951	GTR312	DISTILL	4.	1.00	0.283 0.68	4.1	0.31	0.13	0.35	1.67	0.	0.	2.46	1.109	-2.	0	999
28951	GTR312	DISTILL	4.	1.47	0.319 0.68	4.8	0.34	0.14	0.28	2.07	0.	-0.34	2.49	1.122	-2.	0	753
28951	GTR316	DISTILL	4.	1.00	0.281 0.68	4.3	0.32	0.14	0.35	1.68	0.	0.	2.48	1.121	-2.	0	443
28951	GTR316	DISTILL	4.	1.45	0.316 0.68	4.7	0.35	0.15	0.29	2.06	0.	-0.33	2.52	1.135	-3.	0	217
28951	FCPADS	DISTILL	4.	1.00	0.210 0.68	4.0	0.30	0.13	0.65	1.84	0.	0.	2.92	1.316	-3.	0	64
28951	FCPADS	DISTILL	4.	3.28	0.279 0.68	8.6	0.64	0.27	1.47	4.14	0.	-1.66	4.86	2.194	-12.	0	61
28951	FCMCDS	DISTILL	4.	1.00	0.281 0.68	4.2	0.31	0.13	0.62	1.68	0.	0.	2.73	1.233	-3.	0	72
28951	FCMCDS	DISTILL	4.	2.59	0.360 0.68	7.3	0.54	0.23	1.12	3.02	0.	-1.16	3.75	1.691	-8.	0	64
29111	ONOCGN	RESIDUA	14.	0.	0. 0.13	13.9	1.03	0.44	0.71	14.06	4.72	0.	20.95	1.000	0.	0	0
29111	STM141	RESIDUA	14.	1.00	0.158 0.13	15.1	1.15	0.49	1.05	15.85	0.	0.	18.53	0.884	7.	76	2
29111	STM141	RESIDUA	14.	1.26	0.186 0.13	15.9	1.21	0.51	0.88	16.31	0.	-0.73	18.18	0.868	8.	61	2
29111	STM141	COAL-FG	14.	1.00	0.158 0.13	33.4	2.53	1.08	2.21	9.20	0.	0.	15.03	0.717	9.	22	5
29111	STM141	COAL-FG	14.	1.26	0.186 0.13	29.8	2.26	0.96	1.83	9.47	0.	-0.73	13.80	0.659	14.	29	4
29111	STM141	COAL-AF	14.	1.00	0.158 0.13	26.3	1.99	0.85	2.05	9.20	0.	0.	14.10	0.673	15.	33	3
29111	STM141	COAL-AF	14.	1.26	0.186 0.13	21.1	1.60	0.68	1.66	9.47	0.	-0.73	12.69	0.606	22.	57	2
29111	STM088	RESIDUA	14.	0.84	0.132 0.13	14.1	1.07	0.46	0.83	15.56	0.77	0.	18.68	0.891	7.	179	1
29111	STM088	COAL-FG	14.	0.84	0.132 0.13	27.5	2.09	0.89	1.72	9.03	0.77	0.	14.50	0.692	13.	29	4
29111	STM088	COAL-AF	14.	0.84	0.132 0.13	19.9	1.51	0.64	1.60	9.03	0.77	0.	13.55	0.647	20.	60	2
29111	PFBSTM	COAL-PF	14.	1.00	0.153 0.18	35.9	2.72	1.16	2.64	9.25	0.	0.	15.77	0.753	5.	19	5
29111	PFBSTM	COAL-PF	14.	2.24	0.261 0.13	35.9	2.73	1.16	2.89	10.61	0.	-3.52	13.86	0.662	11.	22	5
29111	TISTMT	RESIDUA	14.	1.00	0.155 0.13	44.4	3.37	1.43	1.80	15.90	0.	0.	22.51	1.074	-20.	0	30
29111	TISTMT	RESIDUA	14.	3.07	0.312 0.13	89.1	6.76	2.87	2.77	19.73	0.	-5.87	26.25	1.253	-53.	0	999

ECONOMIC SENSITIVITY REPORT FOR SELECTED PROCESS-ECS MATCHES

SENSITIVITY OF CAPITAL COST — PERCENT OF ORIGINAL COST 100

**********LEVELIZED ANNUAL ENERGY COSTS($ MILLIONS)**********

ENERGY SYSTEM	CONV	SITE-FUEL	POWER REQD MW	POWER GEN/ REQD	FESRPOWER /HEAT RATIO	CAPITAL COST *10**6	CAPITAL + INSNC	TAXES	OANDM	FUEL	PURCHD ELEC	REVNUE	TOTAL	NORML	PRESNT WORTH 15%	ROI %	GROSS PAY PAYB
29111	TISTMT	COAL	14.	3.07	0.312 0.13	112.8	8.56	3.64	3.99	11.45	0.	-5.87	21.77	1.039	-50.	4	15
29111	TIHRSG	RESIDUA	14.	1.00	0.088 0.13	58.8	4.35	1.85	2.07	17.17	0.	0.	25.44	1.214	-35.	0	113
29111	TIHRSG	RESIDUA	14.	1.82	0.132 0.13	85.2	6.31	2.68	2.52	19.72	0.	-2.33	28.91	1.380	-58.	0	87
29111	TIHRSG	COAL	14.	1.00	0.088 0.13	82.4	6.25	2.66	3.39	9.97	0.	0.	22.26	1.062	-37.	3	17
29111	TIHRSG	COAL	14.	1.82	0.132 0.13	109.0	8.27	3.52	3.77	11.45	0.	-2.33	24.68	1.178	-58.	1	24
29111	STIRL	DISTILL	14.	1.00	0.106 0.13	22.1	1.63	0.70	1.20	20.62	0.	0.	24.15	1.152	-14.	0	59
29111	STIRL	DISTILL	14.	3.50	0.228 0.13	39.3	2.91	1.24	1.49	29.06	0.	-7.07	27.62	1.318	-33.	0	61
29111	STIRL	RESIDUA	14.	1.00	0.106 0.13	22.1	1.64	0.70	1.20	16.82	0.	0.	20.35	0.971	-2.	10	9
29111	STIRL	RESIDUA	14.	3.50	0.228 0.13	39.3	2.91	1.24	1.49	23.71	0.	-7.07	22.27	1.063	-16.	0	999
29111	STIRL	COAL	14.	1.00	0.106 0.13	41.3	3.06	1.30	2.39	9.77	0.	0.	16.51	0.788	1.	15	6
29111	STIRL	COAL	14.	3.50	0.228 0.13	69.4	5.14	2.19	2.99	13.77	0.	-7.07	17.00	0.812	-14.	10	9
29111	HEGT60	COAL-AF	14.	1.00	0.005 0.13	52.3	3.97	1.69	2.61	10.87	0.	0.	19.14	0.913	-13.	8	10
29111	HEGT60	COAL-AF	14.	11.63	0.015 0.13	182.0	13.81	5.87	7.44	39.68	0.	-30.10	36.70	1.752	-130.	0	220
29111	HEGT00	COAL-AF	14.	1.00	0.045 0.13	43.6	3.77	1.60	2.55	10.43	0.	0.	18.34	0.875	-9.	10	9
29111	HEGT00	COAL-AF	14.	2.96	0.090 0.13	72.0	5.46	2.32	3.10	14.87	0.	-5.56	20.20	0.964	-26.	6	12
29111	FCMCCL	COAL	14.	1.00	0.134 0.13	48.4	3.77	1.60	2.72	9.46	0.	0.	17.55	0.837	-7.	11	8
29111	FCMCCL	COAL	14.	5.07	0.335 0.13	83.8	6.51	2.77	4.75	14.74	0.	-11.53	17.25	0.823	-23.	8	10
29111	FCSTCL	COAL	14.	1.00	0.139 0.13	47.4	3.69	1.57	2.72	9.40	0.	0.	17.37	0.829	-6.	12	8
29111	FCSTCL	COAL	14.	7.07	0.389 0.13	97.4	7.57	3.22	5.57	16.93	0.	-17.20	16.09	0.768	-27.	9	9
29111	IGGTST	COAL	14.	1.00	0.108 0.13	46.5	3.61	1.54	2.46	9.74	0.	0.	17.35	0.828	-5.	12	8
29111	IGGTST	COAL	14.	4.82	0.265 0.13	74.9	5.82	2.47	2.71	15.77	0.	-10.81	15.96	0.762	-15.	10	8
29111	GTSOAR	RESIDUA	14.	1.00	0.102 0.13	21.9	1.62	0.69	1.13	16.90	0.	0.	20.34	0.971	-2.	10	9
29111	GTSOAR	RESIDUA	14.	5.84	0.267 0.13	34.3	2.54	1.08	1.32	30.68	0.	-13.72	21.90	1.045	-13.	0	28
29111	GTAC08	RESIDUA	14.	1.00	0.135 0.13	17.7	1.31	0.56	1.03	16.28	0.	0.	19.17	0.915	4.	30	4
29111	GTAC08	RESIDUA	14.	4.11	0.311 0.13	23.5	1.74	0.74	1.01	23.16	0.	-8.80	17.84	0.852	5.	24	4
29111	GTAC12	RESIDUA	14.	1.00	0.132 0.13	20.9	1.54	0.66	1.10	16.33	0.	0.	19.63	0.937	1.	17	6
29111	GTAC12	RESIDUA	14.	5.17	0.332 0.13	28.2	2.09	0.89	1.14	25.81	0.	-11.81	18.11	0.865	2.	17	6
29111	GTAC16	RESIDUA	14.	1.00	0.127 0.13	21.3	1.58	0.67	1.11	16.43	0.	0.	19.79	0.945	0.	15	7
29111	GTAC16	RESIDUA	14.	6.01	0.336 0.13	32.8	2.43	1.03	1.27	28.31	0.	-14.18	18.87	0.900	-2.	12	7
29111	GTWC16	RESIDUA	14.	1.00	0.119 0.13	21.5	1.59	0.68	1.12	16.59	0.	0.	19.98	0.954	-1.	13	7
29111	GTWC16	RESIDUA	14.	6.10	0.316 0.13	30.8	2.28	0.97	1.23	29.47	0.	-14.44	19.51	0.931	-3.	11	8
29111	CC1626	RESIDUA	14.	1.00	0.115 0.13	21.6	1.64	0.70	1.21	16.64	0.	0.	20.19	0.964	-2.	11	8
29111	CC1626	RESIDUA	14.	8.97	0.344 0.13	41.8	3.17	1.35	1.69	37.24	0.	-22.57	20.88	0.996	-13.	5	13
29111	CC1622	RESIDUA	14.	1.00	0.121 0.13	21.4	1.62	0.69	1.20	16.53	0.	0.	20.05	0.957	-1.	12	7
29111	CC1622	RESIDUA	14.	8.05	0.351 0.13	39.9	3.03	1.29	1.60	33.98	0.	-19.97	19.92	0.951	-9.	8	10
29111	CC1222	RESIDUA	14.	1.00	0.122 0.13	21.0	1.59	0.68	1.20	16.51	0.	0.	19.98	0.954	-1.	13	7
29111	CC1222	RESIDUA	14.	8.00	0.354 0.13	37.7	2.86	1.22	1.57	33.67	0.	-19.82	19.50	0.931	-7.	9	9
29111	CC0822	RESIDUA	14.	1.00	0.131 0.13	21.1	1.60	0.68	1.20	16.34	0.	0.	19.82	0.946	-0.	14	7
29111	CC0822	RESIDUA	14.	6.30	0.354 0.13	31.0	2.35	1.00	1.37	28.46	0.	-15.01	18.16	0.867	0.	15	7
29111	DEHTPM	RESIDUA	14.	1.00	0.111 0.13	27.6	2.04	0.87	1.37	16.73	0.	0.	21.02	1.003	-7.	4	14
29111	DEHTPM	RESIDUA	14.	5.14	0.278 0.13	65.5	4.85	2.06	2.26	27.80	0.	-11.73	25.25	1.205	-38.	0	999
29111	GTSOAD	DISTILL	14.	1.00	0.124 0.13	20.2	1.50	0.64	1.09	20.21	0.	0.	23.44	1.119	-11.	0	59
29111	GTSOAD	DISTILL	14.	5.05	0.309 0.13	25.0	1.83	0.79	1.06	32.28	0.	-11.47	24.50	1.169	-16.	0	59

ECONOMIC SENSITIVITY REPORT FOR SELECTED PROCESS-ECS MATCHES

SENSITIVITY OF CAPITAL COST — PERCENT OF ORIGINAL COST 100

ENERGY SYSTEM	CONV	SITE-FUEL	POWER REQD MW	POWER GEN/ REQD	FESRPOWER /HEAT RATIO	CAPITAL COST x10**6	CAPITAL INSNC	TAXES +	OANDM	FUEL	PURCHD ELEC	REVNUE	TOTAL	NORML	PRESNT WORTH 15%	ROI %	GROSS PAY BACK
						********** LEVELIZED ANNUAL ENERGY COSTS($ MILLIONS) **********											
29111	GTRA08	DISTILL	14.	9.83	0.311 0.13	54.2	4.02	1.71	1.87	51.40	0.	-25.02	33.98	1.622	-60.	0	59
29111	GTRA12	DISTILL	14.	1.00	0.108 0.13	22.4	1.66	0.70	1.14	20.59	0.	0.	24.08	1.149	-14.	0	59
29111	GTRA12	DISTILL	14.	9.26	0.322 0.13	48.7	3.60	1.53	1.72	48.26	0.	-23.39	31.73	1.514	-50.	0	60
29111	GTRA16	DISTILL	14.	1.00	0.110 0.13	22.8	1.69	0.72	1.15	20.53	0.	0.	24.09	1.150	-14.	0	59
29111	GTRA16	DISTILL	14.	8.41	0.322 0.13	48.0	3.55	1.51	1.69	44.96	0.	-20.98	30.73	1.467	-47.	0	60
29111	GTR208	DISTILL	14.	1.00	0.112 0.13	21.7	1.60	0.68	1.12	20.49	0.	0.	23.90	1.141	-13.	0	59
29111	GTR208	DISTILL	14.	6.69	0.306 0.13	36.9	2.73	1.16	1.39	39.04	0.	-16.13	28.19	1.345	-33.	0	59
29111	GTR212	DISTILL	14.	1.00	0.112 0.13	22.0	1.63	0.69	1.13	20.49	0.	0.	23.94	1.143	-13.	0	59
29111	GTR212	DISTILL	14.	7.19	0.313 0.13	39.7	2.94	1.25	1.47	40.64	0.	-17.53	28.77	1.373	-37.	0	60
29111	GTR216	DISTILL	14.	1.00	0.114 0.13	22.3	1.65	0.70	1.14	20.44	0.	0.	23.93	1.142	-13.	0	59
29111	GTR216	DISTILL	14.	7.41	0.321 0.13	42.6	3.16	1.34	1.54	41.01	0.	-18.14	28.90	1.379	-38.	0	60
29111	GTRW08	DISTILL	14.	1.00	0.087 0.13	22.4	1.66	0.70	1.14	21.05	0.	0.	24.55	1.172	-15.	0	58
29111	GTRW08	DISTILL	14.	11.49	0.275 0.13	57.2	4.24	1.80	1.98	61.09	0.	-29.72	39.40	1.881	-78.	0	58
29111	GTRW12	DISTILL	14.	1.00	0.097 0.13	22.4	1.66	0.70	1.14	20.84	0.	0.	24.33	1.161	-15.	0	59
29111	GTRW12	DISTILL	14.	10.30	0.303 0.13	49.9	3.69	1.57	1.79	57.95	0.	-29.19	35.82	1.709	-63.	0	58
29111	GTRW16	DISTILL	14.	1.00	0.100 0.13	22.7	1.68	0.72	1.15	20.77	0.	0.	24.31	1.160	-15.	0	59
29111	GTRW16	DISTILL	14.	10.16	0.306 0.13	48.4	3.58	1.52	1.73	53.12	0.	-25.95	34.00	1.623	-57.	0	59
29111	GTR308	DISTILL	14.	1.00	0.079 0.13	21.8	1.61	0.69	1.13	21.24	0.	0.	24.67	1.177	-15.	0	58
29111	GTR308	DISTILL	14.	8.54	0.233 0.13	39.0	2.89	1.23	1.49	51.39	0.	-21.35	35.65	1.701	-58.	0	57
29111	GTR312	DISTILL	14.	1.00	0.105 0.13	21.8	1.62	0.69	1.13	20.65	0.	0.	24.08	1.149	-14.	0	59
29111	GTR312	DISTILL	14.	8.45	0.307 0.13	40.6	2.98	1.27	1.50	46.09	0.	-21.09	30.75	1.468	-43.	0	59
29111	GTR316	DISTILL	14.	1.00	0.104 0.13	22.2	1.65	0.70	1.14	20.66	0.	0.	24.15	1.152	-14.	0	59
29111	GTR316	DISTILL	14.	8.30	0.304 0.13	41.4	3.06	1.30	1.53	45.68	0.	-20.67	30.90	1.475	-44.	0	59
29111	FCPADS	DISTILL	14.	1.00	0.082 0.13	24.7	1.83	0.78	2.45	21.16	0.	0.	26.22	1.251	-22.	0	59
29111	FCPADS	DISTILL	14.	17.55	0.279 0.13	141.3	10.46	4.45	27.73	86.17	0.	-46.87	81.95	3.911	-254.	0	60
29111	FCMCDS	DISTILL	14.	1.00	0.110 0.13	25.2	1.87	0.79	2.35	20.52	0.	0.	25.54	1.219	-20.	0	60
29111	FCMCDS	DISTILL	14.	13.88	0.360 0.13	121.2	8.98	3.82	20.74	62.87	0.	-36.49	59.92	2.860	-175.	0	61
29112	ONOCGN	RESIDUA	52.	0.	0. 0.13	41.1	3.04	1.29	1.57	49.98	17.53	0.	73.42	1.000	0.	0	0
29112	STM141	RESIDUA	52.	1.00	0.163 0.13	44.9	3.41	1.45	2.08	56.63	0.	0.	63.57	0.866	29.	100	1
29112	STM141	RESIDUA	52.	1.16	0.181 0.13	44.0	3.34	1.42	1.80	57.70	0.	-1.70	62.57	0.852	32.	131	1
29112	STM141	COAL-FG	52.	1.00	0.163 0.13	90.4	6.86	2.92	4.99	32.88	0.	0.	47.65	0.649	56.	32	3
29112	STM141	COAL-FG	52.	1.16	0.181 0.13	93.6	7.11	3.02	4.69	33.50	0.	-1.70	46.64	0.635	58.	31	4
29112	STM141	COAL-AF	52.	1.00	0.163 0.13	72.0	5.47	2.32	4.87	32.88	0.	0.	45.55	0.620	72.	48	2
29112	STM141	COAL-AF	52.	1.16	0.181 0.13	69.6	5.28	2.25	4.50	33.50	0.	-1.70	43.84	0.597	78.	54	2
29112	STM088	RESIDUA	52.	0.76	0.124 0.13	39.8	3.02	1.29	1.69	55.05	4.15	0.	65.20	0.888	26.	909	0
29112	STM088	COAL-FG	52.	0.76	0.124 0.13	87.7	6.66	2.83	4.36	31.97	4.15	0.	49.97	0.681	50.	31	4
29112	STM088	COAL-AF	52.	0.76	0.124 0.13	61.3	4.65	1.98	4.20	31.97	4.15	0.	46.94	0.639	73.	64	2
29112	PFBSTM	COAL-PF	52.	1.00	0.158 0.13	91.5	6.95	2.95	6.57	33.08	0.	0.	49.55	0.675	50.	30	4
29112	PFBSTM	COAL-PF	52.	2.10	0.258 0.13	84.8	6.43	2.73	7.86	37.56	0.	-11.60	42.99	0.585	73.	39	3
29112	TISTMT	RESIDUA	52.	1.00	0.160 0.13	126.0	9.56	4.06	4.21	56.83	0.	0.	74.66	1.017	-45.	4	16
29112	TISTMT	RESIDUA	52.	2.89	0.310 0.13	234.2	17.77	7.55	6.71	69.79	0.	-19.90	81.92	1.116	-120.	0	26
29112	TISTMT	COAL	52.	1.00	0.160 0.13	177.6	13.48	5.73	7.18	33.00	0.	0.	59.39	0.809	-22.	12	8
29112	TISTMT	COAL	52.	2.89	0.310 0.13	294.5	22.35	9.50	9.91	40.52	0.	-19.90	62.38	0.850	-88.	8	10

ECONOMIC SENSITIVITY REPORT FOR SELECTED PROCESS-ECS MATCHES

SENSITIVITY OF CAPITAL COST PERCENT OF ORIGINAL COST 100

************LEVELIZED ANNUAL ENERGY COSTS($ MILLIONS)***********

ENERGY CONV SYSTEM	SITE-FUEL	POWER REQD MW	POWER GEN/REQD	FESR	POWER /HEAT RATIO	CAPITAL COST *10**6	CAPITAL	TAXES + INSNC	OANDM	FUEL	PURCHD ELEC	REVNUE	TOTAL	NORML	PRESNT WORTH 15%	ROI %	GROSS PAY PACK
29112 TIHRSG	RESIDUA	52.	1.74	0.132	0.13	226.2	16.76	7.12	6.28	70.10	0.	-7.83	92.42	1.259	-146.	0	102
29112 TIHRSG	COAL	52.	1.00	0.091	0.13	213.4	16.20	6.89	8.09	35.72	0.	0.	66.69	0.911	-63.	8	10
29112 TIHRSG	COAL	52.	1.74	0.132	0.13	286.8	21.76	9.25	9.61	40.70	0.	-7.83	73.49	1.001	-119.	5	13
29112 STIRL	DISTILL	52.	1.00	0.110	0.13	76.7	5.68	2.42	2.92	73.82	0.	0.	84.85	1.156	-53.	0	60
29112 STIRL	DISTILL	52.	3.35	0.228	0.13	133.8	9.[illegible]1	4.21	4.15	103.30	0.	-24.70	96.88	1.319	-117.	0	61
29112 STIRL	RESIDUA	52.	1.00	0.110	0.13	76.8	5.69	2.42	2.92	60.22	0.	0.	71.25	0.970	-10.	9	9
29112 STIRL	RESIDUA	52.	3.35	0.228	0.13	134.0	9.93	4.22	4.15	84.27	0.	-24.70	77.88	1.061	-57.	0	29
29112 STIRL	COAL	52.	1.00	0.110	0.13	130.0	9.63	4.09	6.06	34.97	0.	0.	54.75	0.746	17.	18	6
29112 STIRL	COAL	52.	3.35	0.228	0.13	239.3	17.72	7.53	8.92	48.93	0.	-24.70	58.42	0.796	-46.	10	9
29112 HEGT60	COAL-AF	52.	1.00	0.005	0.13	147.7	11.21	4.77	6.64	39.09	0.	0.	61.70	0.840	-15.	12	8
29112 HEGT60	COAL-AF	52.	11.13	0.015	0.13	545.7	41.41	17.61	22.61	141.06	0.	-106.55	116.13	1.582	-377.	0	999
29112 HEGT00	COAL-AF	52.	1.00	0.047	0.13	130.7	9.92	4.22	6.25	37.43	0.	0.	57.82	0.787	5.	15	6
29112 HEGT00	COAL-AF	52.	2.83	0.090	0.13	176.8	13.42	5.71	8.12	52.87	-0.	-19.30	60.82	0.828	-27.	11	8
29112 FCMCCL	COAL	52.	1.00	0.139	0.13	131.1	10.19	4.33	6.95	33.84	0.	0.	55.31	0.753	11.	16	6
29112 FCMCCL	COAL	52.	4.85	0.335	0.13	212.3	16.50	7.02	13.65	52.40	0.	-40.52	49.05	0.668	-10.	14	7
29112 FCSTCL	COAL	52.	1.00	0.144	0.13	128.9	10.02	4.26	6.79	33.63	0.	0.	54.70	0.745	14.	17	6
29112 FCSTCL	COAL	52.	6.70	0.387	0.13	245.9	19.11	8.13	15.82	59.91	0.	-60.01	42.97	0.585	-7.	14	7
29112 IGGTST	COAL	52.	1.00	0.111	0.13	121.7	9.47	4.02	5.43	34.90	0.	0.	53.82	0.733	21.	19	5
29112 IGGTST	COAL	52.	4.55	0.263	0.13	206.4	16.04	6.82	6.38	55.80	0.	-37.38	47.66	0.649	-1.	14	7
29112 GTSOAR	RESIDUA	52.	1.00	0.105	0.13	58.3	4.32	1.84	2.36	60.54	0.	0.	69.05	0.940	6.	20	5
29112 GTSOAR	RESIDUA	52.	5.59	0.267	0.13	110.6	8.19	3.48	3.50	109.06	0.	-48.32	75.91	1.034	-40.	1	23
29112 GTAC08	RESIDUA	52.	1.00	0.140	0.13	55.1	4.08	1.74	2.28	58.21	0.	0.	66.30	0.903	16.	32	3
29112 GTAC08	RESIDUA	52.	3.93	0.311	0.13	76.3	5.65	2.40	2.57	82.34	0.	-30.84	62.12	0.846	19.	23	5
29112 GTAC12	RESIDUA	52.	1.00	0.136	0.13	56.6	4.19	1.78	2.31	58.42	0.	0.	66.70	0.908	14.	29	4
29112 GTAC12	RESIDUA	52.	4.95	0.332	0.13	92.2	6.83	2.90	2.99	91.74	0.	-41.54	62.92	0.857	9.	17	6
29112 GTAC16	RESIDUA	52.	1.00	0.131	0.13	58.1	4.30	1.83	2.34	58.79	0.	0.	67.26	0.916	11.	25	4
29112 GTAC16	RESIDUA	52.	5.75	0.336	0.13	111.3	8.25	3.51	3.49	100.64	0.	-49.96	65.93	0.898	-9.	12	8
29112 GTWC16	RESIDUA	52.	1.00	0.122	0.13	57.1	4.23	1.80	2.32	59.36	0.	0.	67.71	0.922	10.	25	4
29112 GTWC16	RESIDUA	52.	5.84	0.316	0.13	97.2	7.20	3.06	3.15	104.77	0.	-50.88	67.29	0.916	-7.	12	8
29112 CC1626	RESIDUA	52.	1.00	0.119	0.13	57.3	4.35	1.85	2.44	59.59	0.	0.	68.23	0.929	8.	22	5
29112 CC1626	RESIDUA	52.	8.51	0.342	0.13	128.9	9.78	4.16	4.23	131.74	0.	-76.98	70.93	0.966	-35.	7	11
29112 CC1622	RESIDUA	52.	1.00	0.125	0.13	57.9	4.39	1.87	2.44	59.18	0.	0.	67.89	0.925	9.	22	5
29112 CC1622	RESIDUA	52.	7.63	0.350	0.13	132.0	10.02	4.26	4.18	120.25	0.	-69.80	68.90	0.938	-30.	9	10
29112 CC1222	RESIDUA	52.	1.00	0.126	0.13	56.6	4.31	1.83	2.43	59.10	0.	0.	[illegible]	0.922	10.	24	4
29112 CC1222	RESIDUA	52.	7.58	0.352	0.13	123.2	9.35	[illegible]	4.05	119.14	0.	-69.24	67.27	0.916	-21.	10	9
29112 CC0822	RESIDUA	52.	1.00	0.136	0.13	56.1	4.25	1.81	2.42	58.48	0.	0.	66.95	0.912	13.	[illegible]	4
29112 CC0822	RESIDUA	52.	6.97	0.352	0.13	94.0	7.13	3.03	3.26	100.68	0.	-52.25	61.86	0.843	10.	18	6
29112 DEHTPM	RESIDUA	52.	1.00	0.114	0.13	86.0	6.37	2.71	3.21	[illegible]	0.	0.	72.20	0.983	-17.	7	11
29112 DEHTPM	RESIDUA	52.	4.92	0.278	0.13	225.6	16.71	7.10	6.63	98.80	0.	-41.23	88.01	1.199	-132.	0	999
29112 GTSOAD	DISTILL	52.	1.00	0.128	0.13	54.4	4.03	1.71	2.26	72.33	0.	0.	80.33	1.094	-28.	0	58
29112 GTSOAD	DISTILL	52.	4.83	0.309	0.13	84.3	6.25	2.66	2.80	114.74	0.	-40.33	86.10	1.173	-60.	0	60
29112 GTRA08	DISTILL	52.	1.00	0.106	0.13	59.8	4.43	1.88	2.39	74.17	0.	0.	82.86	1.129	-38.	0	58
29112 GTRA08	DISTILL	52.	9.41	0.311	0.13	171.6	12.71	5.40	5.11	182.71	0.	-88.49	117.44	1.600	-199.	0	59

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ECONOMIC SENSITIVITY REPORT FOR SELECTED PROCESS-ECS MATCHES

SENSITIVITY OF CAPITAL COST — PERCENT OF ORIGINAL COST 100

************LEVELIZED ANNUAL ENERGY COSTS($ MILLIONS)***********

ENERGY CONV SYSTEM	SITE-FUEL	POWER REQD MW	POWER GEN/REQD	FESR	POWER/HEAT RATIO	CAPITAL COST *10**6	CAPITAL	TAXES + INSNC	OANDM	FUEL	PURCHD ELEC	REVNUE	TOTAL	NORML	PRESNT WORTH 15%	ROI %	GROSS PAY BACK
29112 GTRA12	DISTILL	52.	6.88	0.322	0.13	165.6	12.27	5.22	4.94	171.54	0.	-82.69	111.27	1.515	-177.	0	60
29112 GTRA16	DISTILL	52.	1.00	0.114	0.13	61.4	4.55	1.93	2.43	73.51	0.	0.	82.42	1.123	-38.	0	58
29112 GTRA16	DISTILL	52.	8.05	0.322	0.13	163.5	12.11	5.15	4.87	159.80	0.	-74.13	107.80	1.468	-165.	0	60
29112 GTR208	DISTILL	52.	1.00	0.115	0.13	58.2	4.31	1.83	2.35	73.36	0.	0.	81.85	1.115	-34.	0	58
29112 GTR208	DISTILL	52.	6.41	0.306	0.13	119.3	8.84	3.76	3.72	138.76	0.	-56.88	98.20	1.338	-114.	0	59
29112 GTR212	DISTILL	52.	1.00	0.115	0.13	59.0	4.37	1.86	2.37	73.36	0.	0.	81.96	1.116	-35.	0	58
29112 GTR212	DISTILL	52.	6.88	0.313	0.13	128.7	9.53	4.05	3.97	144.47	0.	-61.84	100.18	1.364	-125.	0	60
29112 GTR216	DISTILL	52.	1.00	0.117	0.13	60.2	4.46	1.90	2.40	73.19	0.	0.	81.93	1.116	-36.	0	58
29112 GTR216	DISTILL	52.	7.09	0.321	0.13	139.0	10.29	4.38	4.23	145.77	0.	-64.04	100.62	1.370	-131.	0	60
29112 GTRW08	DISTILL	52.	1.00	0.090	0.13	62.5	4.63	1.97	2.46	75.44	0.	0.	84.50	1.151	-45.	0	58
29112 GTRW08	DISTILL	52.	11.00	0.275	0.13	159.9	11.84	5.03	4.87	217.17	0.	-105.18	133.73	1.821	-245.	0	58
29112 GTRW12	DISTILL	52.	1.00	0.100	0.13	62.5	4.63	1.97	2.45	74.64	0.	0.	83.69	1.140	-42.	0	58
29112 GTRW12	DISTILL	52.	10.82	0.303	0.13	158.1	11.71	4.98	4.81	206.01	0.	-103.30	124.20	1.692	-214.	0	58
29112 GTRW16	DISTILL	52.	1.00	0.103	0.13	59.8	4.43	1.88	2.39	74.38	0.	0.	83.08	1.132	-39.	0	58
29112 GTRW16	DISTILL	52.	9.73	0.306	0.13	153.3	11.36	4.83	4.66	188.81	0.	-91.79	117.86	1.605	-192.	0	58
29112 GTR308	DISTILL	52.	1.00	0.082	0.13	58.0	4.30	1.83	2.36	76.12	0.	0.	84.60	1.152	-43.	0	57
29112 GTR308	DISTILL	52.	8.17	0.233	0.13	130.0	9.63	4.09	4.07	182.67	0.	-75.43	125.03	1.703	-203.	0	57
29112 GTR312	DISTILL	52.	1.00	0.108	0.13	57.8	4.28	1.82	2.34	73.95	0.	0.	82.39	1.122	-36.	0	58
29112 GTR312	DISTILL	52.	8.08	0.307	0.13	129.7	9.60	4.08	4.03	163.84	0.	-74.53	107.02	1.458	-147.	0	59
29112 GTR316	DISTILL	52.	1.00	0.108	0.13	56.7	4.35	1.85	2.36	73.99	0.	0.	82.55	1.124	-37.	0	58
29112 GTR316	DISTILL	52.	7.94	0.304	0.13	133.3	9.87	4.20	4.12	162.38	0.	-73.03	107.53	1.465	-150.	0	59
29112 FCPADS	DISTILL	52.	1.00	0.085	0.13	77.8	5.76	2.45	7.71	75.85	0.	0.	91.78	1.250	-75.	0	59
29112 FCPADS	DISTILL	52.	16.79	0.279	0.13	459.1	34.01	14.46	96.88	306.31	0.	-166.16	285.50	3.888	-873.	0	60
29112 FCMCDS	DISTILL	52.	1.00	0.114	0.13	79.6	5.90	2.51	7.36	73.47	0.	0.	89.24	1.215	-68.	0	60
29112 FCMCDS	DISTILL	52.	13.28	0.360	0.13	397.3	29.43	12.51	72.32	223.49	0.	-129.24	208.51	2.840	-599.	0	61
29113 GNOCGN	RESIDUA	126.	0.	0.	0.14	90.5	6.71	2.85	2.97	114.05	42.49	0.	169.07	1.000	0.	0	0
29113 STM141	RESIDUA	126.	1.00	0.170	0.14	100.3	7.61	3.24	3.75	130.17	0.	0.	144.77	0.856	70.	99	1
29113 STM141	RESIDUA	126.	1.16	0.189	0.14	96.1	7.29	3.10	3.30	132.72	0.	-4.03	142.38	0.842	80.	160	1
29113 STM141	COAL-FG	126.	1.00	0.170	0.14	202.1	15.33	6.52	9.85	75.58	0.	0.	107.28	0.635	139.	33	3
29113 STM141	COAL-FG	126.	1.16	0.189	0.14	206.5	15.67	6.66	9.50	77.06	0.	-4.03	104.86	0.620	144.	33	3
29113 STM141	COAL-AF	126.	1.00	0.170	0.14	150.5	11.42	4.86	9.51	75.58	0.	0.	101.37	0.600	182.	57	2
29113 STM141	COAL-AF	126.	1.16	0.189	0.14	145.2	11.02	4.69	9.10	77.06	0.	-4.03	97.84	0.579	195.	64	2
29113 STM088	RESIDUA	126.	0.78	0.133	0.14	84.5	6.41	2.73	3.00	126.61	9.39	0.	148.14	0.876	67.	999	0
29113 STM088	COAL-FG	126.	0.78	0.133	0.14	182.0	13.81	5.87	8.49	73.51	9.39	0.	111.07	0.657	136.	37	3
29113 STM088	COAL-AF	126.	0.78	0.133	0.14	137.8	10.46	4.45	8.70	73.51	9.39	0.	106.50	0.630	172.	65	2
29113 PFBSTM	COAL-PF	126.	1.00	0.165	0.14	174.4	13.24	5.63	12.85	76.03	0.	0.	107.75	0.637	150.	41	3
29113 PFBSTM	COAL-PF	126.	2.05	0.263	0.14	191.1	14.50	6.16	17.06	86.32	0.	-26.74	97.30	0.575	174.	40	3
29113 TISTMT	RESIDUA	126.	1.00	0.167	0.14	251.8	19.11	8.13	7.71	130.64	0.	0.	165.59	0.979	-68.	6	11
29113 TISTMT	RESIDUA	126.	2.80	0.314	0.14	566.8	43.01	18.29	15.39	160.54	0.	-45.93	191.29	1.131	-299.	0	28
29113 TISTMT	COAL	126.	1.00	0.167	0.14	352.7	26.77	11.38	13.55	75.86	0.	0.	127.55	0.754	3.	15	7
29113 TISTMT	COAL	126.	2.80	0.314	0.14	715.0	54.26	23.07	22.61	93.21	0.	-45.93	147.21	0.871	-232.	7	10
29113 TIHRSG	RESIDUA	126.	1.00	0.095	0.14	368.9	27.32	11.62	10.45	142.00	0.	0.	191.39	1.132	-200.	0	999
29113 TIHRSG	RESIDUA	126.	1.64	0.132	0.14	545.4	40.40	17.17	14.47	159.97	0.	-16.39	215.62	1.275	-359.	0	102

ECONOMIC SENSITIVITY REPORT FOR SELECTED PROCESS-ECS MATCHES

SENSITIVITY OF CAPITAL COST — PERCENT OF ORIGINAL COST 100

************LEVELIZED ANNUAL ENERGY COSTS($ MILLIONS)***********

ENERGY CONV SYSTEM	SITE-FUEL	POWER REQD MW	POWER GEN/REQD	FESR	POWER/HEAT RATIO	CAPITAL COST *10**6	CAPITAL	TAXES + INSNC	OANDM	FUEL	PURCHD ELEC	REVNUE	TOTAL	NORML	PRESNT WORTH 15%	ROI %	CROSS PAY BACK
29113 TIHRSG	COAL	126.	1.64	0.132	0.14	693.2	52.60	22.37	21.96	92.88	0.	-16.39	173.43	1.026	-304.	4	14
29113 STIRL	DISTILL	126.	1.00	0.115	0.14	167.0	12.37	5.26	5.52	170.24	0.	0.	193.38	1.144	-112.	0	59
29113 STIRL	DISTILL	126.	3.15	0.228	0.14	284.5	21.07	8.96	8.19	235.75	0.	-54.87	219.09	1.296	-248.	0	61
29113 STIRL	RESIDUA	126.	1.00	0.115	0.14	167.2	12.38	5.26	5.52	138.88	0.	0.	162.04	0.958	-14.	11	8
29113 STIRL	RESIDUA	126.	3.15	0.228	0.14	284.9	21.10	8.97	8.20	192.32	0.	-54.87	175.72	1.039	-112.	1	22
29113 STIRL	COAL	126.	1.00	0.115	0.14	295.2	21.87	9.30	12.33	80.64	0.	0.	124.13	0.734	44.	18	6
29113 STIRL	COAL	126.	3.15	0.228	0.14	524.2	38.83	16.51	18.69	111.67	0.	-54.87	130.82	0.774	-84.	11	8
29113 HEGT60	COAL-AF	126.	1.00	0.005	0.14	286.7	21.76	9.25	12.73	90.62	0.	0.	134.35	0.795	13.	16	6
29113 HEGT60	COAL-AF	126.	10.48	0.015	0.14	1279.8	97.10	41.28	51.49	321.90	0.	-241.67	270.11	1.598	-890.	0	999
29113 HEGT00	COAL-AF	126.	1.00	0.049	0.14	256.3	19.45	8.27	12.09	86.61	0.	0.	126.42	0.748	52.	20	5
29113 HEGT00	COAL-AF	126.	2.67	0.090	0.14	387.4	29.40	12.50	17.45	120.65	0.	-42.55	137.45	0.813	-45.	12	8
29113 FCMCCL	COAL	126.	1.00	0.145	0.14	272.8	21.21	9.02	14.12	77.90	0.	0.	122.25	0.723	54.	19	5
29113 FCMCCL	COAL	126.	4.57	0.335	0.14	367.0	28.54	12.13	27.43	119.58	0.	-90.99	96.68	0.572	86.	19	5
29113 FCSTCL	COAL	126.	1.00	0.151	0.14	269.6	20.96	8.91	13.65	77.37	0.	0	120.90	0.715	60.	20	5
29113 FCSTCL	COAL	126.	6.42	0.390	0.14	430.9	33.50	14.24	32.01	137.77	0.	-138.08	79.44	0.470	109.	20	5
29113 IGGTST	COAL	126.	1.00	0.117	0.14	255.8	19.89	8.46	10.27	80.41	0.	0.	119.02	0.704	73.	21	5
29113 IGGTST	COAL	126.	4.38	0.267	0.14	419.5	32.62	13.87	12.06	128.34	0.	-86.12	100.76	0.596	50.	17	6
29113 GTSOAR	RESIDUA	126.	1.00	0.110	0.14	129.3	9.57	4.07	4.44	139.65	0.	0.	157.73	0.933	17.	22	5
29113 GTSOAR	RESIDUA	126.	5.27	0.267	0.14	228.6	16.94	7.20	6.70	248.88	0.	-108.80	170.92	1.011	-70.	4	15
29113 GTAC08	RESIDUA	126.	1.00	0.146	0.14	115.4	8.54	3.63	4.08	134.00	0.	0.	150.25	0.889	47.	44	3
29113 GTAC08	RESIDUA	126.	3.70	0.311	0.14	153.0	11.33	4.82	4.71	187.90	0.	-68.90	139.87	0.827	62.	30	4
29113 GTAC12	RESIDUA	126.	1.00	0.143	0.14	119.2	8.83	3.75	4.17	134.50	0.	0.	151.25	0.895	42.	38	3
29113 GTAC12	RESIDUA	126.	4.66	0.332	0.14	188.3	13.95	5.93	5.63	209.37	0.	-93.32	141.56	0.837	40.	21	5
29113 GTAC16	RESIDUA	126.	1.00	0.137	0.14	125.8	9.31	3.96	4.33	135.41	0.	0.	153.01	0.905	34.	30	4
29113 GTAC16	RESIDUA	126.	5.41	0.336	0.14	225.1	16.67	7.09	6.58	229.68	0.	-112.54	147.48	0.872	5.	15	6
29113 GTWC16	RESIDUA	126.	1.00	0.128	0.14	121.6	9.01	3.83	4.23	136.80	0.	0.	153.87	0.910	33.	31	4
29113 GTWC16	RESIDUA	126.	5.50	0.316	0.14	191.3	14.17	6.02	5.75	239.09	0.	-114.64	150.40	0.890	11.	16	6
29113 CC1626	RESIDUA	126.	1.00	0.125	0.14	122.1	9.26	3.94	4.38	137.29	0.	0.	154.87	0.916	28.	28	4
29113 CC1626	RESIDUA	126.	8.13	0.344	0.14	258.3	19.60	8.33	7.86	303.01	0.	-181.79	157.02	0.929	-44.	10	9
29113 CC1622	RESIDUA	126.	1.00	0.131	0.14	125.3	9.51	4.04	4.43	136.31	0.	0.	154.29	0.913	29.	27	4
29113 CC1622	RESIDUA	126.	7.30	0.352	0.14	275.7	20.92	8.90	8.02	276.53	0.	-160.62	153.75	0.909	-42.	10	8
29113 CC1222	RESIDUA	126.	1.00	0.132	0.14	122.9	9.33	3.97	4.40	136.11	0.	0.	153.80	0.910	31.	29	4
29113 CC1222	RESIDUA	126.	7.25	0.355	0.14	256.0	19.43	8.26	7.75	274.03	0.	-159.40	150.07	0.888	-21.	12	7
29113 CC0822	RESIDUA	126.	1.00	0.142	0.14	120.5	9.15	3.89	4.35	134.60	0.	0.	151.98	0.899	38.	33	3
29113 CC0822	RESIDUA	126.	5.72	0.355	0.14	199.4	15.13	6.43	6.24	231.58	0.	-120.30	139.07	0.823	41.	21	5
29113 DEHTPM	RESIDUA	126.	1.00	0.120	0.14	192.4	14.25	6.06	6.23	138.10	0.	0.	164.64	0.974	-34.	8	10
29113 DEHTPM	RESIDUA	126.	4.63	0.278	0.14	483.4	35.80	15.22	13.41	225.47	0.	-92.60	197.31	1.167	-272.	0	999
29113 GTSOAD	DISTILL	126.	1.00	0.134	0.14	117.0	8.67	3.69	4.12	166.61	0.	0.	183.08	1.083	-56.	0	58
29113 GTSOAD	DISTILL	126.	4.55	0.309	0.14	162.7	12.05	5.12	5.00	261.84	0.	-90.56	193.45	1.144	-110.	0	59
29113 GTRA08	DISTILL	126.	1.00	0.110	0.14	132.9	9.84	4.19	4.51	171.07	0.	0.	189.61	1.121	-84.	0	58
29113 GTRA08	DISTILL	126.	8.86	0.311	0.14	361.2	26.75	11.37	10.13	416.95	0.	-200.45	264.76	1.566	-427.	0	59
29113 GTRA12	DISTILL	126.	1.00	0.116	0.14	129.4	9.58	4.07	4.42	169.96	0.	0.	188.04	1.112	-78.	0	58
29113 GTRA12	DISTILL	126.	8.34	0.322	0.14	345.6	25.60	10.88	9.72	391.46	0.	-187.22	250.43	1.481	-374.	0	59

ECONOMIC SENSITIVITY REPORT FOR SELECTED PROCESS-ECS MATCHES

SENSITIVITY OF CAPITAL COST PERCENT OF ORIGINAL COST 100

ENERGY CONV SYSTEM		SITE-FUEL	POWER REQD MW	POWER GEN/REQD	FESR	POWER /HEAT RATIO	CAPITAL COST *10**6	************LEVELIZED ANNUAL ENERGY COSTS($ MILLIONS)*********** CAPITAL	TAXES + INSNC	OANDM	FUEL	PURCHD ELEC	REVNUE	TOTAL	NORML	PRESNT WORTH 15%	ROI %	GROSS PAY BACK
29113	GTRA16	DISTILL	126.	7.58	0.322	0.14	338.1	25.04	10.65	9.50	364.69	0.	-167.70	242.18	1.432	-345.	0	60
29113	GTR208	DISTILL	126.	1.00	0.121	0.14	129.2	9.57	4.07	4.42	169.12	0.	0.	187.17	1.107	-75.	0	58
29113	GTR208	DISTILL	126.	6.03	0.306	0.14	248.5	18.41	7.83	7.21	316.66	0.	-128.31	221.79	1.312	-239.	0	59
29113	GTR212	DISTILL	126.	1.00	0.121	0.14	126.7	9.38	3.99	4.36	169.12	0.	0.	186.85	1.105	-73.	0	58
29113	GTR212	DISTILL	126.	6.48	0.313	0.14	269.0	19.93	8.47	7.74	329.69	0.	-139.65	226.18	1.338	-263.	0	59
29113	GTR216	DISTILL	126.	1.00	0.123	0.14	129.5	9.59	4.08	4.42	168.70	0.	0.	186.78	1.105	-74.	0	58
29113	GTR216	DISTILL	126.	6.68	0.321	0.14	292.2	21.65	9.20	8.32	332.65	0.	-144.67	227.15	1.344	-276.	0	60
29113	GTRW08	DISTILL	126.	1.00	0.094	0.14	127.0	9.41	4.00	4.37	174.15	0.	0.	191.93	1.135	-89.	0	57
29113	GTRW08	DISTILL	126.	10.36	0.275	0.14	347.3	25.73	10.94	9.85	495.59	0.	-238.55	303.57	1.796	-542.	0	58
29113	GTRW12	DISTILL	126.	1.00	0.104	0.14	126.9	9.40	4.00	4.36	172.22	0.	0.	189.97	1.124	-83.	0	57
29113	GTRW12	DISTILL	126.	10.19	0.303	0.14	335.3	24.84	10.56	9.53	470.12	0.	-234.25	280.80	1.661	-465.	0	58
29113	GTRW16	DISTILL	126.	1.00	0.108	0.14	130.2	9.64	4.10	4.44	171.58	0.	0.	189.77	1.122	-83.	0	58
29113	GTRW16	DISTILL	126.	9.16	0.306	0.14	318.3	23.58	10.02	9.07	430.87	0.	-207.99	265.56	1.571	-409.	0	58
29113	GTR308	DISTILL	126.	1.00	0.086	0.14	121.6	9.01	3.83	4.25	175.81	0.	0.	192.89	1.141	-89.	0	57
29113	GTR308	DISTILL	126.	7.69	0.233	0.14	259.9	19.25	8.19	7.60	416.87	0.	-170.66	281.25	1.664	-431.	0	57
29113	GTR312	DISTILL	126.	1.00	0.113	0.14	123.2	9.13	3.88	4.27	170.55	0.	0.	187.83	1.111	-74.	0	57
29113	GTR312	DISTILL	126.	7.61	0.307	0.14	261.4	19.36	8.23	7.59	373.88	0.	-168.59	240.48	1.422	-304.	0	58
29113	GTR316	DISTILL	126.	1.00	0.113	0.14	124.8	9.24	3.93	4.31	170.66	0.	0.	188.13	1.113	-76.	0	58
29113	GTR316	DISTILL	126.	7.48	0.304	0.14	269.4	19.96	8.48	7.79	370.55	0.	-165.18	241.61	1.429	-311.	0	58
29113	FCPADS	DISTILL	126.	1.00	0.089	0.14	170.6	12.63	5.37	17.46	175.16	0.	0.	210.62	1.246	-170.	0	59
29113	FCPADS	DISTILL	126.	15.82	0.279	0.14	1007.8	74.64	31.73	219.61	699.03	0.	-377.70	647.32	3.829	-1957.	0	53
29113	FCMCDS	DISTILL	126.	1.00	0.119	0.14	175.4	12.99	5.52	16.62	169.39	0.	0.	201.53	1.210	-153.	0	60
29113	FCMCDS	DISTILL	126.	12.51	0.360	0.14	880.1	65.19	27.71	163.96	510.02	0.	-293.45	473.43	2.800	-1344.	0	61
33121	ONOCGN	RESIDUA	60.	0.	0.	2.20	3.7	0.28	0.12	0.33	2.67	15.47	0.	18.86	1.000	0.	0	0
33121	STM141	RESIDUA	60.	0.05	0.027	2.20	5.4	0.41	0.17	0.45	2.96	14.70	0.	18.69	0.991	-0.	11	8
33121	STM141	COAL-FG	60.	0.05	0.027	2.20	10.8	0.82	0.35	0.80	1.72	14.70	0.	18.39	0.975	-2.	9	9
33121	STM141	COAL-AF	60.	0.05	0.027	2.20	8.5	0.64	0.27	0.70	1.72	14.70	0.	18.04	0.956	0.	15	6
33121	STM088	RESIDUA	60.	0.03	0.014	2.20	4.6	0.35	0.15	0.42	2.83	15.05	0.	18.81	0.997	-0.	9	10
33121	STM088	COAL-FG	60.	0.03	0.014	2.20	9.8	0.75	0.32	0.76	1.64	15.05	0.	18.52	0.982	-2.	9	10
33121	STM088	COAL-AF	60.	0.03	0.014	2.20	7.9	0.60	0.26	0.67	1.64	15.05	0.	18.23	0.966	-0.	14	7
33121	PFBSTM	COAL-PF	60.	0.11	0.054	2.20	13.8	1.05	0.45	1.00	1.93	13.84	0.	18.27	0.969	-3.	9	9
33121	TISTMT	RESIDUA	60.	0.15	0.078	2.20	30.3	2.30	0.98	1.09	3.58	13.15	0.	[illegible]	1.119	-20.	0	[illegible]
33121	TISTMT	COAL	60.	0.15	0.078	2.20	38.7	2.94	1.25	1.53	2.08	13.15	0.	20.94	1.111	-23.	0	[illegible]
33121	TIHRSG	RESIDUA	60.	0.10	0.033	2.20	29.8	2.20	0.94	0.98	3.68	13.87	0.	21.67	1.149	-21.	0	[illegible]
33121	TIHRSG	COAL	60.	0.10	0.033	2.20	38.3	2.91	1.24	1.43	2.14	13.87	0.	21.58	1.144	-25.	0	[illegible]
33121	STIRL	DISTILL	60.	0.21	0.077	2.20	10.5	0.78	0.33	0.57	5.58	12.22	0.	19.47	1.032	-5.	0	[illegible]
33121	STIRL	RESIDUA	60.	0.21	0.077	2.20	10.5	0.78	0.33	0.57	4.55	12.22	0.	18.45	0.978	-2.	9	9
33121	STIRL	COAL	60.	0.21	0.077	2.20	17.9	1.33	0.57	1.01	2.64	12.22	0.	17.76	0.942	-3.	10	9
33121	HEGT60	COAL-AF	60.	0.58	0.029	2.20	61.4	4.66	1.98	2.28	6.51	6.47	0.	21.90	1.161	-37.	0	999
33121	HEGT00	COAL-AF	60.	0.17	0.027	2.20	26.7	2.02	0.86	1.11	2.80	12.85	0.	19.64	1.041	-14.	2	21
33121	FCMCCL	COAL	60.	0.29	0.133	2.20	30.7	2.39	1.02	1.50	2.79	10.94	0.	18.64	0.988	-13.	5	13
33121	FCSTCL	COAL	60.	0.37	0.174	2.20	34.3	2.67	1.13	1.75	3.08	9.70	0.	18.32	0.972	-14.	6	12
33121	IGGTST	COAL	60.	0.25	0.087	2.20	28.1	2.18	0.93	1.25	2.86	11.65	0.	18.87	1.000	-12.	5	13

ECONOMIC SENSITIVITY REPORT FOR SELECTED PROCESS-ECS MATCHES

SENSITIVITY OF CAPITAL COST — PERCENT OF ORIGINAL COST 100

ENERGY CONV SYSTEM		SITE-FUEL	POWER REQD MW	POWER GEN/ REQD	FESRPOWER /HEAT RATIO	COST *10**6	CAPITAL	TAXES + INSNC	O&M	FUEL	PURCHD ELEC	REVNUE	TOTAL	NORML	PRESNT WORTH 15%	ROI %		
33121	GTAC08	RESIDUA	60.	0.24	0.108	2.20	8.3	0.62	0.26	0.46	4.39	11.80	0.	17.53	0.930	2.	22	5
33121	GTAC12	RESIDUA	60.	0.30	0.133	2.20	9.7	0.72	0.30	0.50	4.90	10.84	0.	17.26	0.915	2.	21	5
33121	GTAC16	RESIDUA	60.	0.35	0.149	2.20	11.1	0.82	0.35	0.55	5.35	10.12	0.	17.18	0.911	2.	19	5
33121	GTWC16	RESIDUA	60.	0.35	0.141	2.20	11.3	0.83	0.35	0.56	5.59	10.01	0.	17.35	0.920	1.	17	6
33121	CC1626	RESIDUA	60.	0.48	0.183	2.20	13.7	1.04	0.44	0.75	6.76	8.09	0.	17.08	0.906	1.	16	6
33121	CC1622	RESIDUA	60.	0.43	0.173	2.20	12.9	0.98	0.41	0.71	6.17	8.87	0.	17.14	0.909	1.	16	6
33121	CC1222	RESIDUA	60.	0.42	0.173	2.20	12.2	0.92	0.39	0.70	6.11	8.93	0.	17.05	0.904	2.	17	6
33121	CC0822	RESIDUA	60.	0.33	0.144	2.20	10.5	0.80	0.34	0.64	5.15	10.38	0.	17.31	0.918	2.	18	6
33121	DEADV3	RESIDUA	60.	0.99	0.262	2.20	40.1	2.97	1.26	1.46	13.31	0.16	0.	19.16	1.016	-18.	4	15
33121	DEHTPM	RESIDUA	60.	0.31	0.121	2.20	17.0	1.26	0.53	0.80	5.29	10.69	0.	18.57	0.985	-5.	7	11
33121	DESOA3	DISTILL	60.	1.00	0.218	2.20	51.1	3.79	1.61	1.87	17.50	0.	0.	24.76	1.313	-41.	0	78
33121	DESOA3	DISTILL	60.	1.20	0.224	2.20	59.8	4.43	1.88	1.99	20.39	0.	-1.89	26.80	1.421	-51.	0	71
33121	DESOA3	RESIDUA	60.	1.00	0.218	2.20	51.1	3.79	1.61	1.87	14.27	0.	0.	21.54	1.142	-31.	0	999
33121	DESOA3	RESIDUA	60.	1.20	0.224	2.20	59.8	4.43	1.88	1.99	16.63	0.	-1.89	23.05	1.222	-39.	0	999
33121	GTSOAD	DISTILL	60.	0.29	0.122	2.20	8.8	0.65	0.28	0.48	6.11	10.96	0.	18.48	0.980	-1.	10	9
33121	GTRA08	DISTILL	60.	0.55	0.194	2.20	16.0	1.19	0.50	0.71	9.35	7.03	0.	18.78	0.996	-6.	5	13
33121	GTRA12	DISTILL	60.	0.52	0.193	2.20	15.8	1.17	0.50	0.70	8.86	7.45	0.	18.67	0.990	-5.	6	12
33121	GTRA16	DISTILL	60.	0.47	0.180	2.20	15.7	1.16	0.49	0.69	8.31	8.13	0.	18.79	0.996	-5.	5	13
33121	GTR208	DISTILL	60.	0.38	0.146	2.20	12.1	0.89	0.38	0.58	7.29	9.57	0.	18.72	0.993	-3.	6	12
33121	GTR212	DISTILL	60.	0.41	0.157	2.20	13.0	0.96	0.41	0.61	7.59	9.14	0.	18.71	0.992	-4.	6	12
33121	GTR216	DISTILL	60.	0.42	0.164	2.20	13.8	1.02	0.43	0.63	7.64	8.96	0.	18.69	0.991	-4.	6	12
33121	GTRW08	DISTILL	60.	0.64	0.194	2.20	17.4	1.29	0.55	0.76	11.18	5.55	0.	19.32	1.025	-8.	2	22
33121	GTRW12	DISTILL	60.	0.64	0.212	2.20	17.2	1.28	0.54	0.75	10.69	5.63	0.	18.89	1.002	-6.	5	14
33121	GTRW16	DISTILL	60.	0.58	0.197	2.20	16.9	1.25	0.53	0.74	9.87	6.56	0.	18.95	1.005	-6.	4	14
33121	GTR308	DISTILL	60.	0.48	0.133	2.20	13.9	1.03	0.44	0.66	9.50	8.03	0.	19.64	1.042	-7.	0	999
33121	GTR312	DISTILL	60.	0.48	0.173	2.20	13.9	1.03	0.44	0.65	8.66	7.98	0.	18.75	0.994	-4.	6	12
33121	GTR316	DISTILL	60.	0.48	0.169	2.20	14.3	1.06	0.45	0.66	8.59	8.11	0.	18.87	1.001	-5.	5	14
33121	FCPADS	DISTILL	60.	1.00	0.279	2.20	36.3	2.69	1.14	5.62	16.15	0.	0.	25.60	1.357	-37.	0	69
33121	FCPADS	DISTILL	60.	1.02	0.279	2.20	36.6	2.73	1.16	5.64	16.35	0.	-0.14	25.73	1.365	-38.	0	69
33121	FCMCDS	DISTILL	60.	0.80	0.299	2.20	31.4	2.33	0.99	4.26	11.93	3.04	0.	22.55	1.196	-25.	0	97
33251	ONOCGN	RESIDUA	280.	0.	0.	1.05	30.3	2.24	0.95	1.24	13.25	72.21	0.	89.90	1.000	0.	0	0
33251	STM141	RESIDUA	280.	0.11	0.056	1.05	31.6	2.40	1.02	1.41	16.15	64.57	0.	85.55	0.952	13.	102	1
33251	STM141	COAL-FG	280.	0.11	0.056	1.05	62.1	4.72	2.00	3.13	9.38	64.57	0.	83.80	0.932	3.	16	6
33251	STM141	COAL-AF	280.	0.11	0.056	1.05	42.3	3.21	1.36	2.78	9.33	64.57	0.	81.30	0.904	21.	33	3
33251	STM088	RESIDUA	280.	0.06	0.031	1.05	28.1	2.13	0.91	1.31	14.83	68.03	0.	87.22	0.970	9.	999	0
33251	STM088	COAL-FG	280.	0.06	0.031	1.05	57.6	4.37	1.86	2.92	8.61	68.03	0.	85.79	0.954	-1.	14	7
33251	STM088	COAL-AF	280.	0.06	0.031	1.05	40.1	3.04	1.29	2.67	8.61	68.03	0.	83.65	0.931	14.	35	3
33251	PFBSTM	COAL-PF	280.	0.22	0.112	1.05	62.0	4.71	2.00	4.80	11.49	56.14	0.	79.13	0.880	18.	23	5
33251	TISTMT	RESIDUA	280.	0.16	0.083	1.05	113.0	8.58	3.65	3.78	17.79	60.63	0.	94.42	1.050	-54.	0	999
33251	TISTMT	COAL	280.	0.32	0.164	1.05	211.4	16.04	6.82	6.99	12.90	49.35	0.	92.10	1.024	-94.	4	15
33251	TIHRSG	RESIDUA	280.	0.11	0.055	1.05	113.7	8.27	3.52	3.60	18.30	64.23	0.	97.92	1.089	-63.	0	117
33251	TIHRSG	COAL	280.	0.22	0.069	1.05	210.7	15.99	6.80	6.88	13.49	56.45	0.	99.59	1.108	-117.	0	999
33251	STIRL	DISTILL	280.	0.22	0.081	1.05	65.9	4.88	2.07	2.58	27.72	56.03	0.	93.28	1.038	-27.	0	152

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ECONOMIC SENSITIVITY REPORT FOR SELECTED PROCESS-ECS MATCHES

SENSITIVITY OF CAPITAL COST PERCENT OF ORIGINAL COST 100

************LEVELIZED ANNUAL ENERGY COSTS($ MILLIONS)***********

ENERGY CONV SYSTEM	SITE-FUEL	POWER REQD MW	POWER GEN/REQD	FESR	POWER/HEAT RATIO	CAPITAL COST *10**6	CAPITAL	TAXES + INSNC	OANDM	FUEL	PURCHD ELEC	REVNUE	TOTAL	NORML	PRESNT WORTH 15%	ROI %	GROSS PAY BACK
33251 STIRL	COAL	280.	0.44	0.159	1.05	167.2	12.39	5.27	6.16	18.43	40.26	0.	82.50	0.918	-41.	9	9
33251 HEGT60	COAL-AF	280.	1.00	0.049	1.05	279.5	21.21	9.02	11.27	47.48	0.	0.	88.98	0.990	-118.	5	13
33251 HEGT60	COAL-AF	280.	1.22	0.051	1.05	376.5	28.57	12.15	13.86	56.35	0.	-9.66	101.27	1.126	-202.	2	21
33251 HEGT00	COAL-AF	280.	0.36	0.057	1.05	134.2	10.19	4.33	5.53	19.93	46.44	0.	86.41	0.961	-39.	7	11
33251 FCMCCL	COAL	280.	0.62	0.127	1.05	160.3	12.46	5.30	8.67	27.38	27.75	0.	81.56	0.907	-39.	9	9
33251 FCSTCL	COAL	280.	0.79	0.214	1.05	179.1	13.92	5.92	9.73	30.19	15.51	0.	75.28	0.837	-29.	11	8
33251 IGGTST	COAL	280.	0.52	0.032	1.05	142.1	11.04	4.70	4.63	28.09	34.62	0.	83.08	0.924	-34.	9	9
33251 GTSOAR	RESIDUA	280.	0.35	0.123	1.05	55.1	4.08	1.74	2.26	28.34	46.73	0.	83.14	0.925	9.	21	5
33251 GTAC08	RESIDUA	280.	0.25	0.114	1.05	45.5	3.37	1.43	1.97	21.83	53.94	0.	82.53	0.918	16.	31	4
33251 GTAC12	RESIDUA	280.	0.32	0.141	1.05	51.2	3.79	1.61	2.13	24.33	49.20	0.	81.06	0.902	18.	28	4
33251 GTAC16	RESIDUA	280.	0.37	0.157	1.05	56.5	4.18	1.78	2.26	26.56	45.60	0.	80.41	0.894	17.	25	4
33251 GTWC16	RESIDUA	280.	0.38	0.149	1.05	53.8	3.98	1.69	2.22	27.78	45.07	0.	80.75	0.898	18.	27	4
33251 CC1626	RESIDUA	280.	1.00	0.232	1.05	86.4	6.56	2.79	3.09	66.07	0.	0.	78.51	0.873	8.	17	6
33251 CC1626	RESIDUA	280.	0.51	0.194	1.05	61.4	4.66	1.98	2.60	33.60	35.49	0.	78.33	0.871	21.	25	4
33251 CC1622	RESIDUA	280.	0.46	0.182	1.05	62.2	4.72	2.01	2.57	30.69	39.34	0.	79.33	0.882	17.	23	5
33251 CC1222	RESIDUA	280.	0.45	0.182	1.05	59.6	4.52	1.92	2.53	30.38	39.63	0.	78.99	0.879	20.	25	4
33251 CC0822	RESIDUA	280.	0.35	0.153	1.05	49.5	3.76	1.60	2.24	25.68	46.85	0.	80.13	0.891	21.	31	4
33251 DEADV3	RESIDUA	280.	1.00	0.262	1.05	198.4	14.69	6.25	6.14	63.44	0.	0.	90.52	1.007	-81.	5	14
33251 DEADV3	RESIDUA	280.	1.05	0.265	1.05	207.3	15.35	6.53	6.37	66.13	0.	-2.32	92.06	1.024	-90.	4	15
33251 DEHTPM	RESIDUA	280.	0.33	0.127	1.05	97.2	7.20	3.06	3.49	26.27	48.43	0.	88.44	0.984	-27.	7	11
33251 DESOA3	DISTILL	280.	1.00	0.216	1.05	244.0	18.07	7.68	7.31	82.63	0.	0.	115.69	1.287	-181.	0	80
33251 DESOA3	DISTILL	280.	1.28	0.224	1.05	303.5	22.48	9.56	8.85	101.28	0.	-12.17	129.99	1.446	-254.	0	70
33251 DESOA3	RESIDUA	280.	1.00	0.216	1.05	244.0	18.07	7.68	7.31	67.41	0.	0.	100.47	1.118	-133.	0	999
33251 DESOA3	RESIDUA	280.	1.28	0.224	1.05	303.5	22.48	9.56	8.85	82.62	0.	-12.17	111.33	1.238	-195.	0	999
33251 GTSOAD	DISTILL	280.	0.31	0.129	1.05	47.2	3.49	1.49	2.04	30.36	49.79	0.	87.16	0.970	1.	15	6
33251 GTRA08	DISTILL	280.	1.00	0.242	1.05	107.8	7.99	3.40	3.61	79.96	0.	0.	94.95	1.056	-52.	0	999
33251 GTRA08	DISTILL	280.	0.58	0.205	1.05	79.3	5.87	2.50	2.92	46.47	30.24	0.	88.00	0.979	-17.	8	10
33251 GTRA12	DISTILL	280.	1.00	0.244	1.05	108.2	8.02	3.41	3.59	79.73	0.	0.	94.75	1.054	-52.	0	999
33251 GTRA12	DISTILL	280.	0.55	0.204	1.05	76.9	5.70	2.42	2.85	44.03	32.33	0.	87.33	0.971	-14.	9	9
33251 GTRA16	DISTILL	280.	0.50	0.190	1.05	76.4	5.66	2.41	2.82	41.30	35.75	0.	87.94	0.978	-16.	8	10
33251 GTR208	DISTILL	280.	0.41	0.154	1.05	58.3	4.32	1.83	2.34	36.21	42.90	0.	87.60	0.974	-6.	11	8
33251 GTR212	DISTILL	280.	0.44	0.165	1.05	61.5	4.55	1.94	2.43	37.68	40.75	0.	87.35	0.972	-7.	11	8
33251 GTR216	DISTILL	280.	0.45	0.173	1.05	64.9	4.81	2.04	2.52	37.97	39.84	0.	87.18	0.970	-8.	10	8
33251 GTRW08	DISTILL	280.	1.00	0.229	1.05	94.4	6.99	2.97	3.35	81.32	0.	0.	94.63	1.053	-45.	0	999
33251 GTRW08	DISTILL	280.	0.68	0.205	1.05	80.4	5.95	2.53	2.98	55.53	22.90	0.	89.90	1.000	-24.	5	13
33251 GTRW12	DISTILL	280.	1.00	0.256	1.05	94.1	6.97	2.96	3.33	78.42	0.	0.	91.68	1.020	-36.	2	20
33251 GTRW12	DISTILL	280.	0.68	0.223	1.05	79.9	5.92	2.52	2.96	53.11	23.30	0.	87.81	0.977	-17.	8	10
33251 GTRW16	DISTILL	280.	1.00	0.242	1.05	96.8	7.17	3.05	3.36	79.96	0.	0.	93.54	1.040	-43.	0	999
33251 GTRW16	DISTILL	280.	0.61	0.208	1.05	70.9	5.25	2.23	2.72	49.05	27.91	0.	87.16	0.970	-10.	10	9
33251 GTR308	DISTILL	280.	1.00	0.127	1.05	88.9	6.58	2.80	3.04	92.08	0.	0.	104.50	1.162	-73.	0	61
33251 GTR308	DISTILL	280.	0.51	0.140	1.05	62.4	4.63	1.97	2.50	47.18	35.21	0.	91.48	1.018	-20.	0	30
33251 GTR312	DISTILL	280.	1.00	0.208	1.05	87.9	6.51	2.77	3.01	83.46	0.	0.	95.75	1.065	-45.	0	108
33251 GTR312	DISTILL	280.	0.52	0.182	1.05	82.1	4.60	1.95	2.47	43.04	34.97	0.	87.04	0.968	-6.	11	8

ECONOMIC SENSITIVITY REPORT FOR SELECTED PROCESS-ECS MATCHES

SENSITIVITY OF CAPITAL COST PERCENT OF ORIGINAL COST 100

ENERGY CONV SYSTEM		SITE-FUEL	POWER REQD MW	POWER GEN/ REQD	FESR	POWER /HEAT RATIO	CAPITAL COST *10**6	CAPITAL	TAXES + INSNC	OANDM	FUEL	PURCHD ELEC	REVNUE	TOTAL	NORML	PRESNT WORTH 15%	ROI %	GROSS PAY BACK
								************LEVELIZED ANNUAL ENERGY COSTS($ MILLIONS)***********										
33251	GTR316	DISTILL	280.	0.51	0.178	1.05	63.3	4.69	1.99	2.50	42.68	35.61	0.	87.47	0.973	-8.	10	9
33251	FCPADS	DISTILL	280.	1.00	0.276	1.05	177.7	13.16	5.59	25.99	76.33	0.	0.	121.08	1.347	-170.	0	69
33251	FCPADS	DISTILL	280.	1.08	0.279	1.05	189.7	14.05	5.97	27.97	81.20	0.	-3.51	125.69	1.398	-190.	0	67
33251	FCMCDS	DISTILL	280.	1.00	0.343	1.05	188.0	13.92	5.92	24.59	69.28	0.	0.	113.71	1.265	-151.	0	83
33251	FCMCDS	DISTILL	280.	0.86	0.316	1.05	165.5	12.26	5.21	21.25	59.24	10.46	0.	108.42	1.206	-124.	0	94
33254	ONOCGN	RESIDUA	40.	0.	0.	1.50	3.7	0.27	0.12	0.32	2.61	10.32	0.	13.64	1.000	0.	0	0
33254	STM141	RESIDUA	40.	0.07	0.037	1.50	5.3	0.41	0.17	0.44	2.90	9.56	0.	13.48	0.988	-0.	11	8
33254	STM141	COAL-FG	40.	0.07	0.037	1.50	10.6	0.81	0.34	0.79	1.68	9.56	0.	13.18	0.967	-2.	9	9
33254	STM141	COAL-AF	40.	0.07	0.037	1.50	8.4	0.64	0.27	0.69	1.68	9.56	0.	12.84	0.942	0.	15	6
33254	STM088	RESIDUA	40.	0.04	0.020	1.50	4.6	0.35	0.15	0.42	2.77	9.90	0.	13.59	0.996	-0.	8	10
33254	STM088	COAL-FG	40.	0.04	0.020	1.50	9.7	0.73	0.31	0.76	1.61	9.90	0.	13.31	0.976	-2.	9	10
33254	STM088	COAL-AF	40.	0.04	0.020	1.50	7.8	0.59	0.25	0.67	1.61	9.90	0.	13.02	0.955	-0.	14	7
33254	PFBSTM	COAL-PF	40.	0.15	0.074	1.50	13.6	1.03	0.44	0.99	1.89	8.72	0.	13.07	0.958	-3.	9	9
33254	TISTMT	RESIDUA	40.	0.22	0.108	1.50	29.8	2.26	0.96	1.08	3.50	8.04	0.	15.85	1.162	-20.	0	999
33254	TISTMT	COAL	40.	0.22	0.108	1.50	38.1	2.89	1.23	1.51	2.03	8.04	0.	15.71	1.152	-23.	0	999
33254	TIHRSG	RESIDUA	40.	0.15	0.045	1.50	29.3	2.17	0.92	0.97	3.61	8.74	0.	16.41	1.203	-21.	0	91
33254	TIHRSG	COAL	40.	0.15	0.045	1.50	37.7	2.86	1.22	1.41	2.09	8.74	0.	16.32	1.197	-25.	0	999
33254	STIRL	DISTILL	40.	0.31	0.105	1.50	10.3	0.76	0.32	0.56	5.46	7.13	0.	14.23	1.044	-5.	0	223
33254	STIRL	RESIDUA	40.	0.31	0.105	1.50	10.3	0.76	0.32	0.56	4.45	7.13	0.	13.23	0.970	-2.	9	9
33254	STIRL	COAL	40.	0.31	0.105	1.50	17.6	1.31	0.56	0.99	2.59	7.13	0.	12.57	0.922	-3.	10	9
33254	HEGT60	COAL-AF	40.	0.85	0.040	1.50	60.4	4.59	1.95	2.25	6.37	1.50	0.	16.66	1.222	-37.	0	999
33254	HEGT00	COAL-AF	40.	0.25	0.038	1.50	26.3	1.99	0.85	1.09	2.74	7.74	0.	14.42	1.057	-13.	2	22
33254	FCMCCL	COAL	40.	0.43	0.183	1.50	30.2	2.35	1.00	1.48	2.73	5.88	0.	13.44	0.986	-13.	5	13
33254	FCSTCL	COAL	40.	0.55	0.240	1.50	33.8	2.62	1.12	1.72	3.01	4.67	0.	13.14	0.964	-13.	6	12
33254	IGGTST	COAL	40.	0.36	0.120	1.50	27.7	2.15	0.91	1.23	2.80	6.57	0.	13.67	1.003	-12.	5	14
33254	GTSOAR	RESIDUA	40.	0.49	0.160	1.50	11.2	0.83	0.35	0.56	5.58	5.30	0.	12.61	0.925	-0.	14	7
33254	GTAC08	RESIDUA	40.	0.35	0.149	1.50	8.2	0.61	0.26	0.46	4.30	6.72	0.	12.34	0.905	2.	22	5
33254	GTAC12	RESIDUA	40.	0.44	0.183	1.50	9.5	0.70	0.30	0.50	4.79	5.78	0.	12.08	0.886	2.	21	5
33254	GTAC16	RESIDUA	40.	0.51	0.204	1.50	10.9	0.81	0.34	0.54	5.23	5.08	0.	12.00	0.880	2.	19	5
33254	GTWC16	RESIDUA	40.	0.52	0.194	1.50	11.1	0.82	0.35	0.55	5.47	4.97	0.	12.17	0.892	1.	17	6
33254	CC1626	RESIDUA	40.	0.70	0.252	1.50	13.5	1.02	0.44	0.74	6.61	3.09	0.	11.91	0.873	1.	16	6
33254	CC1622	RESIDUA	40.	0.63	0.237	1.50	12.6	0.96	0.41	0.70	6.04	3.83	0.	11.96	0.877	1.	16	6
33254	CC1222	RESIDUA	40.	0.62	0.237	1.50	12.0	0.91	0.39	0.69	5.98	3.91	0.	11.88	0.871	1.	17	6
33254	CC0822	RESIDUA	40.	0.48	0.198	1.50	10.3	0.78	0.33	0.63	5.05	5.33	0.	12.13	0.890	1.	18	6
33254	DEADV3	RESIDUA	40.	1.00	0.248	1.50	29.2	2.16	0.92	1.28	9.78	0.	0.	14.14	1.037	-14.	3	17
33254	DEADV3	RESIDUA	40.	1.45	0.265	1.50	39.3	2.91	1.24	1.43	13.02	0.	-2.80	15.80	1.159	-24.	0	999
33254	DEHTPM	RESIDUA	40.	0.45	0.166	1.50	16.6	1.23	0.52	0.79	5.17	5.63	0.	13.35	0.979	-5.	7	11
33254	DESOA3	DISTILL	40.	1.00	0.204	1.50	35.9	2.66	1.13	1.47	12.68	0.	0.	17.95	1.316	-29.	0	75
33254	DESOA3	DISTILL	40.	1.77	0.224	1.50	58.6	4.34	1.84	1.95	19.95	0.	-4.74	23.34	1.712	-56.	0	65
33254	DESOA3	RESIDUA	40.	1.00	0.204	1.50	35.9	2.66	1.13	1.47	10.35	0.	0.	15.61	1.145	-21.	0	999
33254	DESOA3	RESIDUA	40.	1.77	0.224	1.50	58.6	4.34	1.84	1.95	16.27	0.	-4.74	19.67	1.442	-45.	0	91
33254	GTSOAD	DISTILL	40.	0.43	0.168	1.50	8.6	0.64	0.27	0.48	5.98	5.90	0.	13.27	0.973	-1.	10	9
33254	GTRA08	DISTILL	40.	0.80	0.267	1.50	15.8	1.17	0.50	0.70	9.15	2.05	0.	13.57	0.995	-5.	5	13

ECONOMIC SENSITIVITY REPORT FOR SELECTED PROCESS-ECS MATCHES

SENSITIVITY OF CAPITAL COST PERCENT OF ORIGINAL COST 100

**********LEVELIZED ANNUAL ENERGY COSTS($ MILLION)**********

ENERGY SYSTEM	CONV	SITE-FUEL	POWER REQD MW	POWER GEN/ REQD	FESRPOWER /HEAT RATIO	CAPITAL COST *10**6	CAPITAL + INSNC	TAXES	OANDM	FUEL	PURCHD ELEC	REVNUE	TOTAL	NORML	PRESNT WORTH 15%	ROI %	GROSS PAY BACK
33254	GTRA16	DISTILL	40.	0.70	0.247	1.50	15.4	1.14	0.49	0.68	8.13	3.13	0.	13.58	0.996	-5.	5	13
33254	GTR208	DISTILL	40.	0.56	0.201	1.50	11.9	0.88	0.37	0.58	7.13	4.54	0.	13.50	0.990	-3.	6	12
33254	GTR212	DISTILL	40.	0.60	0.215	1.50	12.8	0.95	0.40	0.60	7.42	4.12	0.	13.50	0.990	-4.	6	12
33254	GTR216	DISTILL	40.	0.62	0.226	1.50	13.6	1.01	0.43	0.62	7.48	3.94	0.	13.48	0.988	-4.	6	12
33254	GTRW08	DISTILL	40.	0.94	0.267	1.50	17.1	1.27	0.54	0.75	10.94	0.60	0.	14.10	1.034	-8.	1	22
33254	GTRW12	DISTILL	40.	0.93	0.291	1.50	17.0	1.26	0.53	0.75	10.45	0.68	0.	13.68	1.003	-6.	5	14
33254	GTRW16	DISTILL	40.	0.85	0.271	1.50	16.6	1.23	0.52	0.73	9.66	1.59	0.	13.73	1.007	-6.	4	14
33254	GTR308	DISTILL	40.	0.71	0.182	1.50	13.6	1.01	0.43	0.65	9.29	3.03	0.	14.41	1.057	-7.	0	999
33254	GTR312	DISTILL	40.	0.71	0.237	1.50	13.6	1.01	0.43	0.64	8.48	2.98	0.	13.54	0.993	-4.	6	12
33254	GTR316	DISTILL	40.	0.70	0.232	1.50	14.1	1.05	0.44	0.65	8.41	3.11	0.	13.65	1.001	-5.	5	14
33254	FCPADS	DISTILL	40.	1.00	0.261	1.50	26.2	1.94	0.83	3.96	11.78	0.	0.	18.51	1.357	-26.	0	68
33254	FCPADS	DISTILL	40.	1.49	0.279	1.50	35.8	2.65	1.13	5.52	15.99	0.	-3.04	22.26	1.632	-43.	0	64
33254	FCMCDS	DISTILL	40.	1.00	0.349	1.50	27.4	2.03	0.86	3.71	10.38	0.	0.	16.99	1.246	-22.	0	88
33254	FCMCDS	DISTILL	40.	1.18	0.360	1.50	30.8	2.28	0.97	4.17	11.67	0.	-1.11	17.99	1.319	-27.	0	78
33314	ONOCGN	RESIDUA	10.	0.	0.	0.86	2.2	0.16	0.07	0.23	1.30	2.96	0.	4.73	1.000	0.	0	0
33314	STM141	RESIDUA	10.	0.21	0.092	0.86	3.6	0.27	0.12	0.34	1.54	2.33	0.	4.60	0.974	-0.	10	8
33314	STM141	COAL-FG	10.	0.21	0.092	0.86	6.6	0.50	0.21	0.57	0.90	2.33	0.	4.51	0.953	-1.	8	10
33314	STM141	COAL-AF	10.	0.21	0.092	0.86	5.8	0.42	0.18	0.50	0.90	2.33	0.	4.33	0.917	-0.	12	8
33314	STM088	RESIDUA	10.	0.15	0.065	0.86	3.1	0.23	0.10	0.32	1.47	2.52	0.	4.65	0.983	-0.	10	9
33314	STM088	COAL-FG	10.	0.15	0.065	0.86	6.0	0.45	0.19	0.54	0.85	2.52	0.	4.57	0.966	-1.	8	10
33314	STM088	COAL-AF	10.	0.15	0.065	0.86	5.2	0.40	0.17	0.48	0.85	2.52	0.	4.43	0.936	-1.	11	8
33314	PFBSTM	COAL-PF	10.	0.36	0.153	0.86	8.6	0.65	0.28	0.66	1.00	1.89	0.	4.49	0.950	-2.	7	11
33314	TISTMT	RESIDUA	10.	0.49	0.208	0.86	17.3	1.32	0.56	0.70	1.87	1.52	0.	5.96	1.261	-11.	0	999
33314	TISTMT	COAL	10.	0.49	0.208	0.86	22.1	1.68	0.71	0.98	1.08	1.52	0.	5.98	1.264	-14.	0	999
33314	TIHRSG	RESIDUA	10.	0.25	0.080	0.86	15.4	1.14	0.49	0.56	1.72	2.21	0.	6.11	1.293	-11.	0	97
33314	TIHRSG	COAL	10.	0.25	0.080	0.86	19.9	1.51	0.64	0.82	1.00	2.21	0.	6.18	1.307	-13.	0	999
33314	STIRL	DISTILL	10.	0.61	0.190	0.86	5.0	0.37	0.16	0.35	2.85	1.14	0.	4.87	1.030	-2.	0	999
33314	STIRL	RESIDUA	10.	0.61	0.190	0.86	5.0	0.37	0.16	0.35	2.33	1.14	0.	4.35	0.919	-0.	14	7
33314	STIRL	COAL	10.	0.61	0.190	0.86	8.4	0.62	0.26	0.61	1.35	1.14	0.	3.99	0.843	-1.	13	7
33314	HEGT85	COAL-AF	10.	1.00	0.101	0.86	29.6	2.24	0.95	1.34	2.24	0.	0.	6.77	1.432	-20.	0	999
33314	HEGT85	COAL-AF	10.	3.07	0.127	0.86	56.8	4.31	1.83	2.06	5.31	0.	-3.68	9.83	2.079	-42.	0	196
33314	HEGT60	COAL-AF	10.	1.00	0.132	0.86	26.1	1.98	0.84	1.11	2.16	0.	0.	6.10	1.290	-16.	0	999
33314	HEGT60	COAL-AF	10.	1.03	0.133	0.86	26.1	1.98	0.84	1.03	2.20	0.	-0.05	6.00	1.270	-16.	0	999
33314	HEGT00	COAL-AF	10.	0.42	0.066	0.86	14.3	1.09	0.46	0.64	1.32	1.72	0.	5.23	1.107	-7.	1	25
33314	FCMCCL	COAL	10.	0.75	0.277	0.86	16.9	1.31	0.56	0.87	1.36	0.75	0.	4.85	1.026	-8.	4	15
33314	FCSTCL	COAL	10.	1.00	0.385	0.86	19.9	1.55	0.66	1.18	1.53	0.	0.	4.92	1.041	-9.	4	15
33314	FCSTCL	COAL	10.	1.09	0.394	0.86	20.0	1.55	0.66	1.08	1.60	0.	-0.16	4.74	1.003	-9.	5	14
33314	IGGTST	COAL	10.	0.75	0.227	0.86	17.0	1.33	0.56	0.86	1.49	0.74	0.	4.98	1.053	-8.	4	16
33314	GTSOAR	RESIDUA	10.	0.79	0.247	0.86	6.0	0.45	0.19	0.35	2.61	0.61	0.	4.21	0.891	-0.	14	7
33314	GTAC08	RESIDUA	10.	0.61	0.226	0.86	4.6	0.34	0.14	0.30	2.16	1.16	0.	4.10	0.867	1.	20	5
33314	GTAC12	RESIDUA	10.	0.76	0.278	0.86	5.2	0.38	0.16	0.32	2.39	0.70	0.	3.96	0.838	1.	20	5
33314	GTAC16	RESIDUA	10.	0.87	0.310	0.86	5.8	0.43	0.18	0.34	2.56	0.40	0.	3.92	0.829	1.	18	6
33314	GTWC16	RESIDUA	10.	0.90	0.294	0.86	6.3	0.46	0.20	0.36	2.74	0.29	0.	4.05	0.856	0.	15	6

ECONOMIC SENSITIVITY REPORT FOR SELECTED PROCESS-ECS MATCHES

SENSITIVITY OF CAPITAL COST — PERCENT OF ORIGINAL COST 100

ENERGY CONV SYSTEM	SITE-FUEL	POWER REQD MW	POWER GEN/ REQD	FESRPOWER /HEAT RATIO	COST *10**6	CAPITAL	CAPITAL + INSNC	TAXES	OANDM	FUEL	PURCHD ELEC	REVNUE	TOTAL	NORML	PRESNT WORTH 15%	ROI %	GROSS PAY BACK
						********** LEVELIZED ANNUAL ENERGY COSTS ($ MILLIONS) **********											
33314 CC1626	RESIDUA	10.	1.36	0.349	0.86	8.1	0.62	0.26	0.52	3.52	0.	-0.67	4.26	0.901	-1.	10	9
33314 CC1622	RESIDUA	10.	1.00	0.336	0.86	7.0	0.53	0.23	0.57	2.85	0.	0.	4.18	0.884	-1.	12	8
33314 CC1622	RESIDUA	10.	1.24	0.356	0.86	7.4	0.56	0.24	0.49	3.22	0.	-0.42	4.09	0.865	-1.	13	7
33314 CC1222	RESIDUA	10.	1.00	0.339	0.86	6.7	0.51	0.22	0.56	2.84	0.	0.	4.13	0.873	-0.	13	7
33314 CC1222	RESIDUA	10.	1.23	0.359	0.86	7.0	0.53	0.23	0.49	3.19	0.	-0.41	4.03	0.852	-0.	14	7
33314 CC0822	RESIDUA	10.	0.97	0.354	0.86	6.3	0.48	0.20	0.45	2.69	0.08	0.	3.90	0.825	1.	17	6
33314 STIG15	RESIDUA	10.	1.00	0.120	0.86	7.9	0.59	0.25	0.65	3.77	0.	0.	5.26	1.113	-4.	0	862
33314 STIG15	RESIDUA	10.	34.02	0.171	0.86	99.7	7.39	3.14	5.82	85.30	0.	-58.69	42.96	9.087	-166.	0	59
33314 STIG10	RESIDUA	10.	1.00	0.172	0.86	7.3	0.54	0.23	0.59	3.55	0.	0.	4.92	1.040	-3.	1	23
33314 STIG10	RESIDUA	10.	3.15	0.218	0.86	12.9	0.96	0.41	0.79	8.37	0.	-3.81	6.71	1.419	-11.	0	66
33314 STIG1S	RESIDUA	10.	1.00	0.196	0.86	7.0	0.52	0.22	0.58	3.45	0.	0.	4.75	1.007	-2.	4	15
33314 STIG1S	RESIDUA	10.	1.85	0.228	0.86	8.8	0.66	0.28	0.58	5.26	0.	-1.50	5.27	1.115	-5.	0	999
33314 DEADV3	RESIDUA	10.	1.00	0.241	0.86	9.8	0.73	0.31	0.63	3.26	0.	0.	4.92	1.041	-4.	2	19
33314 DEADV3	RESIDUA	10.	2.09	0.286	0.86	14.8	1.10	0.47	0.68	5.39	0.	-1.94	5.69	1.205	-9.	0	999
33314 DEHTPM	RESIDUA	10.	0.89	0.319	0.86	8.5	0.63	0.27	0.49	2.59	0.33	0.	4.31	0.913	-2.	10	9
33314 DESOA3	DISTILL	10.	1.00	0.204	0.86	10.6	0.78	0.33	0.66	4.19	0.	0.	5.96	1.260	-8.	0	72
33314 DESOA3	DISTILL	10.	2.44	0.248	0.86	21.1	1.56	0.66	0.86	7.91	0.	-2.56	8.44	1.785	-20.	0	64
33314 DESOA3	RESIDUA	10.	1.00	0.204	0.86	10.6	0.78	0.33	0.66	3.42	0.	0.	5.19	1.097	-5.	0	999
33314 DESOA3	RESIDUA	10.	2.44	0.248	0.86	21.1	1.56	0.66	0.86	6.45	0.	-2.56	6.98	1.476	-16.	0	82
33314 GTSOAD	DISTILL	10.	0.74	0.255	0.86	4.8	0.35	0.15	0.31	2.95	0.78	0.	4.55	0.963	-1.	0	9
33314 GTRA08	DISTILL	10.	1.00	0.320	0.86	7.7	0.57	0.24	0.50	3.58	0.	0.	4.89	1.034	-3.	2	20
33314 GTRA08	DISTILL	10.	1.23	0.339	0.86	8.1	0.60	0.25	0.42	4.03	0.	-0.41	4.89	1.035	-3.	2	20
33314 GTRA12	DISTILL	10.	1.00	0.328	0.86	7.6	0.57	0.24	0.49	3.54	0.	0.	4.83	1.023	-3.	3	17
33314 GTRA12	DISTILL	10.	1.20	0.345	0.86	8.0	0.59	0.25	0.41	3.92	0.	-0.35	4.82	1.020	-3.	3	16
33314 GTRA16	DISTILL	10.	1.00	0.330	0.86	7.9	0.59	0.25	0.49	3.52	0.	0.	4.84	1.025	-3.	3	17
33314 GTRA16	DISTILL	10.	1.12	0.341	0.86	8.0	0.59	0.25	0.41	3.74	0.	-0.21	4.80	1.015	-3.	4	15
33314 GTR208	DISTILL	10.	0.92	0.304	0.86	6.4	0.47	0.20	0.36	3.38	0.23	0.	4.64	0.981	-2.	6	11
33314 GTR212	DISTILL	10.	0.99	0.325	0.86	6.9	0.51	0.22	0.38	3.51	0.03	0.	4.64	0.982	-2.	6	12
33314 GTR216	DISTILL	10.	1.00	0.335	0.86	7.2	0.54	0.23	0.43	3.50	0.	0.	4.69	0.993	-2.	5	13
33314 GTR216	DISTILL	10.	1.01	0.336	0.86	7.2	0.53	0.23	0.39	3.53	0.	-0.03	4.64	0.982	-2.	6	12
33314 GTRW08	DISTILL	10.	1.00	0.269	0.86	7.9	0.59	0.25	0.53	3.84	0.	0.	5.21	1.102	-4.	0	999
33314 GTRW08	DISTILL	10.	1.47	0.298	0.86	9.0	0.67	0.28	0.46	4.80	0.	-0.83	5.47	1.158	-6.	0	93
33314 GTRW12	DISTILL	10.	1.00	0.289	0.86	7.9	0.59	0.25	0.52	3.74	0.	0.	5.10	1.080	-4.	0	999
33314 GTRW12	DISTILL	10.	1.49	0.320	0.86	9.1	0.67	0.29	0.46	4.79	0.	-0.87	5.34	1.129	-5.	0	316
33314 GTRW16	DISTILL	10.	1.00	0.293	0.86	8.2	0.60	0.26	0.52	3.72	0.	0.	5.10	1.079	-4.	0	999
33314 GTRW16	DISTILL	10.	1.38	0.320	0.86	9.0	0.67	0.28	0.45	4.52	0.	-0.67	5.25	1.111	-5.	0	999
33314 GTR308	DISTILL	10.	1.00	0.249	0.86	7.2	0.53	0.23	0.48	3.95	0.	0.	5.18	1.096	-4.	0	311
33314 GTR308	DISTILL	10.	1.12	0.258	0.86	7.2	0.53	0.23	0.40	4.23	0.	-0.21	5.18	1.096	-4.	0	243
33314 GTR312	DISTILL	10.	1.00	0.299	0.86	7.3	0.54	0.23	0.49	3.69	0.	0.	4.95	1.047	-3.	0	26
33314 GTR312	DISTILL	10.	1.20	0.315	0.86	7.5	0.56	0.24	0.41	4.10	0.	-0.35	4.95	1.048	-3.	1	26
33314 GTR316	DISTILL	10.	1.00	0.297	0.86	7.6	0.56	0.24	0.49	3.70	0.	0.	4.99	1.056	-3.	0	30
33314 GTR316	DISTILL	10.	1.18	0.311	0.86	7.8	0.58	0.25	0.41	4.07	0.	-0.32	4.99	1.057	-3.	0	29
33314 FCPADS	DISTILL	10.	1.00	0.227	0.86	8.5	0.63	0.27	1.32	4.06	0.	0.	6.28	1.328	-8.	0	65

ECONOMIC SENSITIVITY REPORT FOR SELECTED PROCESS-ECS MATCHES

SENSITIVITY OF CAPITAL COST — PERCENT OF ORIGINAL COST 100

ENERGY CONV SYSTEM	SITE-FUEL	POWER REQD MW	POWER GEN/ REQD	FESRPOWER /HEAT RATIO	CAPITAL COST *10**6	CAPITAL + INSNC	TAXES	OANDM	FUEL	PURCHD ELEC	REVNUE	TOTAL	NORML	PRESNT WORTH 15%	ROI %	GROSS PAY BACK
					********** LEVELIZED ANNUAL ENERGY COSTS ($ MILLIONS) **********											
33314 FCMCDS	DISTILL	10.	1.00	0.304 0.86	8.6	0.64	0.27	1.24	3.66	0.	0.	5.81	1.230	-7.	0	76
33314 FCMCDS	DISTILL	10.	2.05	0.360 0.86	14.0	1.03	0.44	2.09	5.83	0.	-1.87	7.53	1.593	-15.	0	66
33315 ONOCGN	RESIDUA	19.	0.	0. 1.05	2.8	0.21	0.09	0.27	1.96	5.43	0.	7.95	1.000	0.	0	0
33315 STM141	RESIDUA	19.	0.17	0.079 1.05	4.6	0.35	0.15	0.39	2.31	4.49	0.	7.70	0.968	-0.	13	7
33315 STM141	COAL-FG	19.	0.17	0.079 1.05	6.6	0.66	0.28	0.68	1.34	4.49	0.	7.45	0.937	-1.	11	8
33315 STM141	COAL-AF	19.	0.17	0.079 1.05	7.1	0.54	0.23	0.60	1.34	4.49	0.	7.20	0.906	0.	15	6
33315 STM088	RESIDUA	19.	0.12	0.055 1.05	4.0	0.30	0.13	0.38	2.20	4.77	0.	7.78	0.979	-0.	13	7
33315 STM088	COAL-FG	19.	0.12	0.055 1.05	7.9	0.60	0.26	0.65	1.28	4.77	0.	7.56	0.951	-1.	10	9
33315 STM088	COAL-AF	19.	0.12	0.055 1.05	6.7	0.51	0.21	0.58	1.28	4.77	0.	7.36	0.925	-0.	14	7
33315 PFBSTM	COAL-PF	19.	0.29	0.131 1.05	11.1	0.84	0.36	0.83	1.50	3.84	0.	7.37	0.927	-2.	10	9
33315 TISTMT	RESIDUA	19.	0.40	0.179 1.05	23.3	1.77	0.75	0.88	2.80	3.27	0.	9.47	1.191	-15.	0	999
33315 TISTMT	COAL	19.	0.40	0.179 1.05	29.7	2.25	0.96	1.24	1.62	3.27	0.	9.35	1.176	-17.	0	999
33315 TIHRSG	RESIDUA	19.	0.21	0.069 1.05	20.8	1.54	0.65	0.72	2.58	4.30	0.	9.79	1.231	-14.	0	102
33315 TIHRSG	COAL	19.	0.21	0.069 1.05	26.8	2.03	0.86	1.05	1.50	4.30	0.	9.75	1.226	-17.	0	999
33315 STIRL	DISTILL	19.	0.50	0.164 1.05	7.2	0.54	0.23	0.45	4.27	2.70	0.	8.19	1.030	-3.	0	999
33315 STIRL	RESIDUA	19.	0.50	0.164 1.05	7.3	0.54	0.23	0.45	3.49	2.70	0.	7.40	0.931	-0.	13	7
33315 STIRL	COAL	19.	0.50	0.164 1.05	13.1	0.97	0.41	0.80	2.02	2.70	0.	6.91	0.869	-2.	12	8
33315 HEGT85	COAL-AF	19.	1.00	0.104 1.05	44.1	3.35	1.42	1.87	3.86	0.	0.	10.50	1.320	-28.	0	999
33315 HEGT85	COAL-AF	19.	2.58	0.125 1.05	77.1	5.85	2.49	2.78	8.17	0.	-5.15	14.14	1.778	-55.	0	999
33315 HEGT60	COAL-AF	19.	0.85	0.117 1.05	34.9	2.65	1.13	1.35	3.32	0.83	0.	9.28	1.167	-20.	1	25
33315 HEGT00	COAL-AF	19.	0.34	0.057 1.05	19.1	1.45	0.62	0.83	1.98	3.57	0.	8.44	1.061	-9.	2	20
33315 FCMCCL	COAL	19.	0.61	0.240 1.05	22.4	1.74	0.74	1.14	2.04	2.11	0.	7.78	0.979	-9.	5	13
33315 FCSTCL	COAL	19.	0.89	0.362 1.05	26.6	2.07	0.88	1.41	2.40	0.60	0.	7.36	0.925	-10.	7	11
33315 IGGTST	COAL	19.	0.61	0.195 1.05	22.2	1.73	0.73	1.04	2.24	2.11	0.	7.85	0.987	-9.	5	13
33315 GTSOAR	RESIDUA	19.	0.65	0.214 1.05	8.0	0.59	0.25	0.43	3.92	1.90	0.	7.10	0.893	0.	15	6
33315 GTAC06	RESIDUA	19.	0.50	0.196 1.05	6.1	0.45	0.19	0.37	3.23	2.72	0.	6.97	0.877	2.	22	5
33315 GTAC12	RESIDUA	19.	0.62	0.241 1.05	7.0	0.52	0.22	0.40	3.58	2.04	0.	6.76	0.850	2.	22	5
33315 GTAC16	RESIDUA	19.	0.71	0.268 1.05	7.9	0.58	0.25	0.43	3.85	1.57	0.	6.68	0.840	2.	20	5
33315 GTWC16	RESIDUA	19.	0.74	0.255 1.05	8.3	0.62	0.25	0.44	4.11	1.41	0.	6.84	0.861	1.	17	6
33315 CC1626	RESIDUA	19.	1.00	0.388 1.05	10.6	0.81	0.34	0.71	4.91	0.	0.	6.78	0.852	-0.	14	7
33315 CC1626	RESIDUA	19.	1.12	0.348 1.05	10.8	0.82	0.35	0.63	5.28	0.	-0.40	6.68	0.840	0.	15	7
33315 CC1622	RESIDUA	19.	1.00	0.355 1.05	10.1	0.76	0.32	0.64	4.79	0.	0.	6.52	0.820	1.	17	6
33315 CC1622	RESIDUA	19.	1.01	0.356 1.05	10.0	0.76	0.32	0.60	4.81	0.	-0.03	6.46	0.813	1.	17	6
33315 CC1222	RESIDUA	19.	1.00	0.359 1.05	9.8	0.72	0.31	0.62	4.76	0.	0.	6.42	0.807	2.	18	6
33315 CC1222	RESIDUA	19.	1.00	0.359 1.05	9.5	0.72	0.31	0.59	4.77	0.	-0.01	6.38	0.802	2.	19	5
33315 CC0822	RESIDUA	19.	0.79	0.305 1.05	8.3	0.63	0.27	0.54	4.03	1.12	0.	6.59	0.829	2.	19	5
33315 STIG15	RESIDUA	19.	1.00	0.127 1.05	11.8	0.86	0.37	0.88	6.48	0.	0.	8.58	1.080	-6.	0	999
33315 STIG15	RESIDUA	19.	27.86	0.171 1.05	145.9	10.81	4.60	8.40	127.94	0.	-87.44	64.31	8.087	-244.	0	59
33315 STIG10	RESIDUA	19.	1.00	0.182 1.05	10.7	0.79	0.34	0.79	6.03	0.	0.	7.99	1.004	-4.	4	14
33315 STIG10	RESIDUA	19.	2.58	0.218 1.05	17.4	1.29	0.55	1.03	12.55	0.	-5.13	10.29	1.294	-14.	0	69
33315 STIG1S	RESIDUA	19.	1.00	0.208 1.05	10.1	0.75	0.32	0.76	5.88	0.	0.	7.71	0.969	-3.	7	11
33315 STIG1S	RESIDUA	19.	1.51	0.228 1.05	11.9	0.88	0.37	0.75	7.89	0.	-1.67	8.23	1.034	-5.	2	20
33315 DEADV3	RESIDUA	19.	1.00	0.254 1.05	14.7	1.09	0.46	0.82	5.54	0.	0.	7.91	0.995	-5.	5	13

DATE 06/07/79
I&SE-PEG-ADV-ENERGY-SYS

GENERAL ELECTRIC COMPANY
COGENERATION TECHNOLOGY ALTERNATIVES STUDY
REPORT 5.4

ECONOMIC SENSITIVITY REPORT FOR SELECTED PROCESS-ECS MATCHES

SENSITIVITY OF CAPITAL COST — PERCENT OF ORIGINAL COST 100

ENERGY CONV SYSTEM	SITE-FUEL	POWER REQD MW	POWER GEN/ REQD	FESRPOWER /HEAT RATIO	CAPITAL COST *10**6	CAPITAL + INSNC	TAXES	OANDM	FUEL	PURCHD ELEC	REVNUE	TOTAL	NORML	PRESNT WORTH 15%	ROI %	GROSS PAY BACK
					********** LEVELIZED ANNUAL ENERGY COSTS($ MILLIONS) **********											
33315 DEHTPM	RESIDUA	19.	0.73 0.275	1.05	11.1	0.82	0.35	0.60	3.88	1.49	0.	7.15	0.899	-1.	11	8
33315 DESOA3	DISTILL	19.	1.00 0.215	1.05	17.9	1.32	0.56	0.91	7.15	0.	0.	9.94	1.250	-13.	0	76
33315 DESOA3	DISTILL	19.	2.01 0.248	1.05	31.3	2.32	0.99	1.17	11.92	0.	-3.28	13.12	1.651	-30.	0	65
33315 DESOA3	RESIDUA	19.	1.00 0.215	1.05	17.9	1.32	0.56	0.91	5.83	0.	0.	8.62	1.085	-9.	0	27
33315 DESOA3	RESIDUA	19.	2.01 0.248	1.05	31.3	2.32	0.99	1.17	9.73	0.	-3.28	10.93	1.374	-23.	0	101
33315 GTSOAD	DISTILL	19.	0.60 0.221	1.05	6.4	0.47	0.20	0.38	4.43	2.16	0.	7.64	0.961	-1.	11	8
33315 GTRA08	DISTILL	19.	1.00 0.337	1.05	10.8	0.80	0.34	0.57	6.03	0.	0.	7.74	0.974	-3.	7	11
33315 GTRA08	DISTILL	19.	1.01 0.338	1.05	10.8	0.80	0.34	0.52	6.06	0.	-0.03	7.69	0.967	-3.	7	11
33315 GTRA12	DISTILL	19.	0.98 0.340	1.05	10.7	0.79	0.34	0.52	5.89	0.09	0.	7.63	0.959	-3.	8	10
33315 GTRA16	DISTILL	19.	0.92 0.320	1.05	10.8	0.80	0.34	0.52	5.63	0.46	0.	7.74	0.973	-3.	7	11
33315 GTR208	DISTILL	19.	0.76 0.264	1.05	8.5	0.63	0.27	0.45	5.07	1.32	0.	7.74	0.973	-2.	8	10
33315 GTR212	DISTILL	19.	0.81 0.282	1.05	9.2	0.68	0.29	0.47	5.27	1.02	0.	7.73	0.973	-2.	7	10
33315 GTR216	DISTILL	19.	0.83 0.294	1.05	9.6	0.71	0.30	0.48	5.29	-0.91	0.	7.71	0.969	-2.	8	10
33315 GTRW08	DISTILL	19.	1.00 0.284	1.05	11.4	0.84	0.36	0.65	6.52	0.	0.	8.37	1.052	-5.	0	30
33315 GTRW08	DISTILL	19.	1.20 0.297	1.05	12.0	0.89	0.38	0.57	7.35	0.	-0.66	8.52	1.072	-6.	0	999
33315 GTRW12	DISTILL	19.	1.00 0.305	1.05	11.4	0.84	0.36	0.65	6.33	0.	0.	8.18	1.028	-5.	2	19
33315 GTRW12	DISTILL	19.	1.22 0.320	1.05	12.0	0.89	0.38	0.57	7.19	0.	-0.72	8.31	1.045	-5.	1	24
33315 GTRW16	DISTILL	19.	1.00 0.310	1.05	11.6	0.86	0.37	0.64	6.28	0.	0.	8.15	1.026	-5.	3	18
33315 GTRW16	DISTILL	19.	1.13 0.319	1.05	11.9	0.88	0.38	0.56	6.78	0.	-0.42	8.18	1.029	-5.	2	19
33315 GTR308	DISTILL	19.	0.92 0.242	1.05	9.6	0.71	0.30	0.50	6.36	0.44	0.	8.31	1.045	-4.	0	999
33315 GTR312	DISTILL	19.	0.98 0.310	1.05	10.0	0.74	0.31	0.50	6.15	0.10	0.	7.82	0.983	-3.	6	12
33315 GTR316	DISTILL	19.	0.97 0.303	1.05	10.4	0.77	0.33	0.51	6.11	0.19	0.	7.90	0.994	-3.	5	13
33315 FCPADS	DISTILL	19.	1.00 0.240	1.05	13.7	1.01	0.43	2.20	6.91	0.	0.	10.55	1.327	-13.	0	66
33315 FCPADS	DISTILL	19.	2.12 0.279	1.05	24.0	1.78	0.76	4.09	11.99	0.	-3.66	14.95	1.881	-32.	0	62
33315 FCMCDS	DISTILL	19.	1.00 0.321	1.05	14.2	1.05	0.45	2.07	6.18	0.	0.	9.75	1.226	-11.	0	81
33315 FCMCDS	DISTILL	19.	1.68 0.360	1.05	20.7	1.53	0.65	3.09	8.75	0.	-2.22	11.81	1.485	-21.	0	68
33316 ONOCGN	RESIDUA	16.	0. 0.	0.91	2.8	0.21	0.09	0.27	1.96	4.69	0.	7.22	1.000	0.	0	0
33316 STM141	RESIDUA	16.	0.20 0.088	0.91	4.6	0.35	0.15	0.39	2.31	3.76	0.	6.96	0.965	-0.	13	7
33316 STM141	COAL-FG	16.	0.20 0.088	0.91	8.6	0.66	0.28	0.68	1.34	3.76	0.	6.72	0.931	-1.	11	8
33316 STM141	COAL-AF	16.	0.20 0.088	0.91	7.1	0.54	0.23	0.60	1.34	3.76	0.	6.47	0.896	0.	15	6
33316 STM088	RESIDUA	16.	0.14 0.061	0.91	4.0	0.30	0.13	0.38	2.20	4.04	0.	7.05	0.977	-0.	13	7
33316 STM088	COAL-FG	16.	0.14 0.061	0.91	7.9	0.60	0.25	0.65	1.28	4.04	0.	6.83	0.946	-1.	10	9
33316 STM088	COAL-AF	16.	0.14 0.061	0.91	6.7	0.51	0.21	0.58	1.28	4.04	0.	6.62	0.917	-0.	14	7
33316 PFBSTM	COAL-PF	16.	0.34 0.146	0.91	11.1	0.84	0.36	0.83	1.50	3.10	0.	6.64	0.920	-2.	10	9
33316 TISTMT	RESIDUA	16.	0.46 0.199	0.91	23.3	1.77	0.75	0.88	2.80	2.54	0.	8.74	1.211	-15.	0	999
33316 TISTMT	COAL	16.	0.46 0.199	0.91	29.7	2.25	0.96	1.24	1.62	2.54	0.	8.62	1.194	-17.	0	999
33316 TIHRSG	RESIDUA	16.	0.24 0.077	0.91	20.8	1.54	0.65	0.72	2.58	3.57	0.	9.06	1.255	-14.	0	102
33316 TIHRSG	COAL	16.	0.24 0.077	0.91	26.8	2.03	0.86	1.05	1.50	3.57	0.	9.02	1.249	-17.	0	999
33316 STIRL	DISTILL	16.	0.58 0.182	0.91	7.2	0.54	0.23	0.45	4.27	1.97	0.	7.46	1.033	-3.	0	999
33316 STIRL	RESIDUA	16.	0.58 0.182	0.91	7.3	0.54	0.23	0.45	3.49	1.97	0.	6.67	0.924	-0.	13	7
33316 STIRL	COAL	16.	0.58 0.182	0.91	13.1	0.97	0.41	0.80	2.02	1.97	0.	6.17	0.855	-2.	12	8
33316 HEGT85	COAL-AF	16.	1.00 0.100	0.91	40.5	3.08	1.31	1.75	3.49	0.	0.	9.63	1.333	-26.	0	999
33316 HEGT85	COAL-AF	16.	2.98 0.125	0.91	77.1	5.85	2.49	2.78	8.17	0.	-5.59	13.70	1.898	-56.	0	***

ECONOMIC SENSITIVITY REPORT FOR SELECTED PROCESS-ECS MATCHES

SENSITIVITY OF CAPITAL COST — PERCENT OF ORIGINAL COST 100

**********LEVELIZED ANNUAL ENERGY COSTS($ MILLIONS)**********

ENERGY SYSTEM	CONV	SITE-FUEL	POWER REQD MW	POWER GEN/ REQD	FESRPOWER /HEAT RATIO	CAPITAL COST *10**6	CAPITAL + INSNC	TAXES	OANDM	FUEL	PURCHD ELEC	REVNUE	TOTAL	NORML	PRESNT WORTH 15%	ROI %	GROSS PAY BACK
33316	HEGT00	COAL-AF	16.	0.40	0.063	0.91	19.1	1.45	0.62	0.83	1.98	2.83	0.	7.70	1.067	-9.	2	20
33316	FCMCCL	COAL	16.	0.71	0.266	0.91	22.4	1.74	0.74	1.14	2.04	1.38	0.	7.05	0.977	-9.	5	13
33316	FCSTCL	COAL	16.	1.00	0.391	0.91	26.7	2.08	0.88	1.50	2.36	0.	0.	6.83	0.946	-11.	6	12
33316	FCSTCL	COAL	16.	1.03	0.394	0.91	26.6	2.07	0.88	1.41	2.40	0.	-0.08	6.68	0.925	-10.	7	11
33316	IGGTST	COAL	16.	0.71	0.217	0.91	22.2	1.73	0.73	1.04	2.24	1.37	0.	7.12	0.986	-9.	5	13
33316	GTSOAR	RESIDUA	16.	0.75	0.238	0.91	8.0	0.59	0.25	0.43	3.92	1.17	0.	6.37	0.882	0.	15	6
33316	GTAC08	RESIDUA	16.	0.58	0.217	0.91	6.1	0.45	0.19	0.37	3.23	1.99	0.	6.24	0.864	2.	22	5
33316	GTAC12	RESIDUA	16.	0.72	0.268	0.91	7.0	0.52	0.22	0.40	3.58	1.30	0.	6.02	0.835	2.	22	5
33316	GTAC16	RESIDUA	16.	0.82	0.298	0.91	7.9	0.58	0.25	0.43	3.85	0.84	0.	5.95	0.824	2.	20	5
33316	GTWC16	RESIDUA	16.	0.86	0.283	0.91	8.3	0.62	0.26	0.44	4.11	0.68	0.	6.11	0.847	1.	17	6
33316	CC1626	RESIDUA	16.	1.00	0.325	0.91	10.0	0.76	0.32	0.71	4.51	0.	0.	6.31	0.874	-1.	13	7
33316	CC1626	RESIDUA	16.	1.30	0.348	0.91	10.8	0.82	0.35	0.63	5.28	0.	-0.84	6.24	0.865	-1.	13	7
33316	CC1622	RESIDUA	16.	1.00	0.341	0.91	9.7	0.73	0.31	0.68	4.41	0.	0.	6.13	0.850	0.	15	7
33316	CC1622	RESIDUA	16.	1.17	0.356	0.91	10.0	0.76	0.32	0.60	4.81	0.	-0.47	6.02	0.834	0.	15	6
33316	CC1222	RESIDUA	16.	1.00	0.344	0.91	9.2	0.70	0.30	0.67	4.38	0.	0.	6.06	0.839	0.	16	6
33316	CC1222	RESIDUA	16.	1.16	0.359	0.91	9.5	0.72	0.31	0.59	4.77	0.	-0.45	5.94	0.823	1.	16	6
33316	CC0822	RESIDUA	16.	0.92	0.339	0.91	8.3	0.63	0.27	0.54	4.03	0.38	0.	5.86	0.812	2.	19	5
33316	STIG15	RESIDUA	16.	1.00	0.122	0.91	10.8	0.80	0.34	0.82	5.87	0.	0.	7.83	1.085	-6.	0	999
33316	STIG15	RESIDUA	16.	32.21	0.171	0.91	145.9	10.81	4.60	8.40	127.94	0.	-87.88	63.87	8.848	-245.	0	59
33316	STIG10	RESIDUA	16.	1.00	0.175	0.91	10.0	0.74	0.31	0.75	5.51	0.	0.	7.31	1.013	-4.	4	16
33316	STIG10	RESIDUA	16.	2.98	0.218	0.91	17.4	1.29	0.55	1.03	12.55	0.	-5.57	9.85	1.364	-15.	0	66
33316	STIG1S	RESIDUA	16.	1.00	0.200	0.91	9.5	0.70	0.30	0.72	5.35	0.	0.	7.08	0.980	-3.	6	12
33316	STIG1S	RESIDUA	16.	1.75	0.228	0.91	11.9	0.88	0.37	0.75	7.89	0.	-2.11	7.79	1.079	-6.	0	999
33316	DEADV3	RESIDUA	16.	1.00	0.244	0.91	13.3	0.98	0.42	0.78	5.05	0.	0.	7.23	1.001	-5.	5	14
33316	DEADV3	RESIDUA	16.	1.99	0.286	0.91	22.0	1.63	0.69	0.91	8.11	0.	-2.79	8.56	1.186	-13.	0	999
33316	DEHTPM	RESIDUA	16.	0.84	0.305	0.91	11.1	0.82	0.35	0.60	3.88	0.76	0.	6.41	0.888	-1.	11	8
33316	DESOA3	DISTILL	16.	1.00	0.206	0.91	16.0	1.18	0.50	0.85	6.50	0.	0.	9.04	1.253	-12.	0	74
33316	DESOA3	DISTILL	16.	2.32	0.248	0.91	31.3	2.32	0.99	1.17	11.92	0.	-3.72	12.68	1.757	-31.	0	64
33316	DESOA3	RESIDUA	16.	1.00	0.206	0.91	16.0	1.18	0.50	0.85	5.31	0.	0.	7.84	1.087	-8.	0	29
33316	DESOA3	RESIDUA	16.	2.32	0.248	0.91	31.3	2.32	0.99	1.17	9.73	0.	-3.72	10.49	1.453	-24.	0	86
33316	GTSOAD	DISTILL	16.	0.70	0.245	0.91	6.4	0.47	0.20	0.38	4.43	1.42	0.	6.91	0.957	-1.	11	8
33316	GTRA08	DISTILL	16.	1.00	0.324	0.91	10.4	0.77	0.33	0.61	5.54	0.	0.	7.25	1.004	-4.	5	14
33316	GTRA09	DISTILL	16.	1.17	0.338	0.91	10.8	0.80	0.34	0.52	6.06	0.	-0.47	7.25	1.005	-4.	4	14
33316	GTRA12	DISTILL	16.	1.00	0.333	0.91	10.4	0.77	0.33	0.60	5.47	0.	0.	7.17	0.994	-3.	5	13
33316	GTRA12	DISTILL	16.	1.14	0.345	0.91	10.7	0.79	0.34	0.52	5.89	0.	-0.38	7.15	0.991	-3.	5	12
33316	GTRA16	DISTILL	16.	1.00	0.335	0.91	10.8	0.80	0.34	0.59	5.45	0.	0.	7.17	0.994	-4.	5	13
33316	GTRA16	DISTILL	16.	1.06	0.341	0.91	10.8	0.80	0.34	0.52	5.63	0.	-0.16	7.12	0.986	-3.	6	12
33316	GTR208	DISTILL	16.	0.87	0.293	0.91	8.5	0.63	0.27	0.45	5.07	0.59	0.	7.00	0.970	-2.	8	10
33316	GTR212	DISTILL	16.	0.94	0.313	0.91	9.2	0.68	0.29	0.47	5.27	0.29	0.	7.00	0.970	-2.	7	10
33316	GTR216	DISTILL	16.	0.96	0.327	0.91	9.6	0.71	0.30	0.48	5.29	0.18	0.	6.97	0.966	-2.	8	10
33316	GTRW08	DISTILL	16.	1.00	0.273	0.91	10.7	0.79	0.34	0.64	5.96	0.	0.	7.73	1.071	-5.	0	999
33316	GTRW08	DISTILL	16.	1.39	0.297	0.91	12.0	0.89	0.38	0.57	7.35	0.	-1.10	8.08	1.120	-7.	0	148
33316	GTRW12	DISTILL	16.	1.00	0.293	0.91	10.7	0.79	0.34	0.64	5.80	0.	0.	7.57	1.048	-5.	0	27

ECONOMIC SENSITIVITY REPORT FOR SELECTED PROCESS-ECS MATCHES

SENSITIVITY OF CAPITAL COST PERCENT OF ORIGINAL COST 100

************LEVELIZED ANNUAL ENERGY COSTS($ MILLIONS)***********

ENERGY CONV SYSTEM	SITE-FUEL	POWER REQD MW	POWER GEN/ REQD	FESR	POWER /HEAT RATIO	CAPITAL COST *10**6	CAPITAL	TAXES + INSNC	OANDM	FUEL	PURCHD ELEC	REVNUE	TOTAL	NORML	PRESNT WORTH 15%	ROI %	GROSS PAY BACK
33316 GTRW16	DISTILL	16.	1.00	0.298	0.91	11.0	0.81	0.35	0.64	5.76	0.	0.	7.56	1.047	-5.	1	25
33316 GTRW16	DISTILL	16.	1.31	0.319	0.91	11.9	0.88	0.38	0.56	6.78	0.	-0.86	7.74	1.073	-6.	0	999
33316 GTR308	DISTILL	16.	1.00	0.253	0.91	9.7	0.71	0.30	0.57	6.12	0.	0.	7.72	1.069	-5.	0	999
33316 GTR308	DISTILL	16.	1.06	0.257	0.91	9.6	0.71	0.30	0.50	6.36	0.	-0.17	7.69	1.066	-5.	0	999
33316 GTR312	DISTILL	16.	1.00	0.304	0.91	9.8	0.73	0.31	0.59	5.71	0.	0.	7.34	1.016	-4.	3	16
33316 GTR312	DISTILL	16.	1.13	0.314	0.91	10.0	0.74	0.31	0.50	6.15	0.	-0.38	7.33	1.016	-4.	3	16
33316 GTR316	DISTILL	16.	1.00	0.302	0.91	10.2	0.76	0.32	0.60	5.72	0.	0.	7.40	1.025	-4.	3	19
33316 GTR316	DISTILL	16.	1.12	0.311	0.91	10.4	0.77	0.33	0.51	6.11	0.	-0.33	7.39	1.024	-4.	3	18
33316 FCPADS	DISTILL	16.	1.00	0.231	0.91	12.4	0.92	0.39	1.95	6.30	0.	0.	9.57	1.325	-12.	0	66
33316 FCPADS	DISTILL	16.	2.46	0.279	0.91	24.0	1.78	0.76	4.09	11.99	0.	-4.10	14.51	2.011	-33.	0	62
33316 FCMCDS	DISTILL	16.	1.00	0.309	0.91	12.9	0.95	0.41	1.85	5.67	0.	0.	8.87	1.229	-10.	0	78
33316 FCMCDS	DISTILL	16.	1.94	0.360	0.91	20.7	1.53	0.65	3.09	8.75	0.	-2.66	11.37	1.575	-22.	0	66

RESIDUAL-FIRED NOCOGENERATION PROCESS BOILER

6.1 - Fuel & Emissions Savings By Process-ECS Match

ISE PEO AES COGENERATION TECHNOLOGY ALTERNATIVES STUDY

FUEL UNITS = REPORT 6.1 FUEL AND EMISSIONS SAVINGS (SAVINGS ARE

EMISSION UNITS= TIME 1990 LEVEL ALL

COST =$*10**9 TYPE MATCH=POWR

PROCS	ECS	ECS FUEL	*****F U E L S A V I N G S**** ****DIRECT***** OIL+GAS	COAL	-----TOTAL---- OIL+GAS	COAL	FESR	- - - E M I S S I O N S S A V I N G S - - - -------DIRECT-------- NOX	SOX	PART	********TOTAL******** NOX	SOX	PART	EMSR	CAPITL SAVING	--ELECTRIC POWER--- TOTAL EXPORT MWH	COST	LAEC SAVED
20111	STM141	RESIDU	0.	-0.002	0.	0.003	0.26	-1.	-1.	-0.	1.	2.	0.	0.28	-0.	0.	137.	-0.
20111	STM141	RESIDU	0.	-0.002	0.	0.003	0.28	-1.	-1.	-0.	1.	2.	0.	0.29	0.	0.	105.	-0.
20111	STM141	COAL-F	0.	-0.002	0.	0.003	0.26	-1.	-2.	-0.	1.	0.	0.	0.18	-2.	0.	311.	-1.
20111	STM141	COAL-F	0.	-0.002	0.	0.003	0.28	-1.	-2.	-0.	1.	1.	0.	0.20	-2.	0.	239.	-0.
20111	STM141	COAL-A	0.	-0.002	0.	0.003	0.26	1.	-2.	-0.	2.	0.	0.	0.36	-2.	0.	270.	-0.
20111	STM141	COAL-A	0.	-0.002	0.	0.003	0.28	1.	-2.	-0.	3.	1.	0.	0.37	-1.	0.	198.	-0.
20111	STM088	RESIDU	0.	-0.001	0.	0.002	0.23	-0.	-1.	-0.	1.	1.	0.	0.24	0.	0.	103.	-0.
20111	STM088	COAL-F	0.	-0.001	0.	0.002	0.23	-0.	-2.	-0.	1.	0.	0.	0.14	-2.	0.	245.	-0.
20111	STM088	COAL-A	0.	-0.001	0.	0.002	0.23	1.	-2.	-0.	2.	0.	0.	0.32	-1.	0.	210.	-0.
20111	PFBSTM	COAL-P	0.	-0.002	0.	0.003	0.26	1.	-2.	0.	3.	0.	1.	0.41	-4.	0.	395.	-1.
20111	PFBSTM	COAL-P	0.	-0.003	0.	0.004	0.33	1.	-3.	0.	4.	1.	1.	0.49	-3.	0.	223.	-1.
20111	TISTMT	RESIDU	0.	-0.002	0.	0.003	0.26	-1.	-1.	-0.	1.	2.	0.	0.28	-6.	0.	462.	-1.
20111	TISTMT	RESIDU	0.	-0.003	0.	0.005	0.37	-1.	-1.	-0.	2.	3.	0.	0.39	-8.	0.	348.	-1.
20111	TISTMT	COAL	0.	-0.002	0.	0.003	0.26	-1.	-2.	-0.	1.	0.	0.	0.18	-9.	0.	703.	-2.
20111	TISTMT	COAL	0.	-0.003	0.	0.005	0.37	-1.	-3.	-0.	2.	2.	1.	0.30	-12.	0.	457.	-2.
20111	TIHRSG	RESIDU	0.	-0.001	0.	0.002	0.17	-1.	-1.	-0.	1.	1.	0.	0.19	-8.	0.	539.	-1.
20111	TIHRSG	COAL	0.	-0.001	0.	0.002	0.17	-1.	-2.	-0.	1.	-0.	0.	0.09	-10.	0.	727.	-1.
20111	STIRL	DISTIL	0.	-0.002	0.	0.002	0.21	0.	0.	0.	2.	3.	1.	0.54	0.	0.	114.	-0.
20111	STIRL	DISTIL	0.	-0.005	0.	0.005	0.32	-0.	-1.	0.	3.	5.	1.	0.61	2.	1.	66.	-0.
20111	STIRL	RESIDU	0.	-0.002	0.	0.002	0.21	-1.	-1.	-0.	1.	1.	-0.	0.22	0.	0.	110.	-0.
20111	STIRL	RESIDU	0.	-0.005	0.	0.005	0.32	-2.	-2.	-1.	2.	4.	-0.	0.33	2.	1.	62.	-0.
20111	STIRL	COAL	0.	-0.002	0.	0.002	0.21	-1.	-2.	-0.	1.	0.	0.	0.13	-3.	0.	318.	-1.
20111	STIRL	COAL	0.	-0.005	0.	0.005	0.32	-2.	-4.	-0.	2.	2.	1.	0.26	-1.	1.	128.	-0.
20111	HEGT85	COAL-A	0.	-0.002	0.	0.002	0.19	1.	-3.	-0.	2.	-0.	0.	0.27	-8.	0.	594.	-1.
20111	HEGT85	COAL-A	0.	-0.007	0.	0.006	0.31	-0.	-6.	-0.	4.	2.	1.	0.37	-11.	1	318.	-2.
20111	HEGT60	COAL-A	0.	-0.003	0.	0.001	0.13	1.	-3.	-0.	2.	-0.	0.	0.22	-8.	0.	587.	-1.
20111	HEGT60	COAL-A	0.	-0.007	0.	0.003	0.20	-0.	-6.	-0.	3.	0.	1.	0.27	-10.	1.	337.	-2.
20111	HEGT00	COAL-A	0.	-0.003	0.	0.001	0.12	0.	-3.	-0.	2.	-0.	0.	0.13	-6.	0.	513.	-1.
20111	HEGT00	COAL-A	0.	-0.004	0.	0.002	0.14	0.	-3.	-0.	2.	-0.	0.	0.20	-6.	0.	397.	-1.
20111	FCMCCL	COAL	0.	-0.002	0.	0.002	0.23	1.	0.	0.	2.	3.	1.	0.63	-6.	0.	512.	-1.
20111	FCMCCL	COAL	0.	-0.005	0.	0.005	0.34	2.	2.	0.	5.	8.	1.	1.00	-7.	1.	272.	-1.
20111	FCSTCL	COAL	0.	-0.002	0.	0.002	0.24	1.	-0.	0.	2.	2.	1.	0.51	-6.	0.	512.	-1.
20111	FCSTCL	COAL	0.	-0.008	0.	0.010	0.42	2.	2.	0.	8.	12.	2.	1.00	-7.	1.	213.	-2.
20111	IGGTST	COAL	0.	-0.002	0.	0.002	0.19	-1.	-3.	0.	1.	-0.	1.	0.12	-6.	0.	552.	-1.
20111	IGGTST	COAL	0.	-0.007	0.	0.006	0.31	-2.	-5.	0.	2.	2.	1.	0.28	-7.	1.	259.	-2.
20111	GTSOAR	RESIDU	-0.002	0.	-0.002	0.004	0.21	-1.	-1.	-0.	0.	2.	0.	0.32	-0.	0.	144.	-0.
20111	GTSOAR	RESIDU	-0.005	0.	-0.005	0.010	0.31	-2.	-2.	-0.	1.	4.	1.	0.43	1.	1.	80.	-0.
20111	GTAC08	RESIDU	0.	-0.002	0.	0.002	0.22	-2.	-1.	-0.	-1.	1.	-0.	0.09	0.	0.	119.	-0.
20111	GTAC08	RESIDU	0.	-0.004	0.	0.004	0.31	-4.	-2.	-0.	-1.	3.	-0.	0.12	1.	0.	64.	-0.
20111	GTAC12	RESIDU	0.	-0.002	0.	0.002	0.23	-2.	-1.	-0.	-0.	2.	-0.	0.11	0.	0.	120.	-0.
20111	GTAC12	RESIDU	0.	-0.005	0.	0.005	0.34	-4.	-2.	-1.	-1.	4.	-0.	0.16	2.	1.	64.	-0.
20111	GTAC16	RESIDU	0.	-0.002	0.	0.002	0.23	-2.	-1.	-0.	-0.	2.	-0.	0.11	0.	0.	125.	-0.
20111	GTAC16	RESIDU	0.	-0.005	0.	0.006	0.35	-5.	-2.	-1.	-1.	4.	-0.	0.18	2.	1.	68.	-0.
20111	GTWC16	RESIDU	0.	-0.002	0.	0.002	0.20	-2.	-1.	-0.	-1.	1.	-0.	0.08	-0.	0.	142.	-0.
20111	GTWC16	RESIDU	0.	-0.007	0.	0.006	0.31	-5.	-3.	-1.	-2.	4.	-0.	0.13	2.	1.	76.	-0.

ISE PEG AES COGENERATION TECHNOLOGY ALTERNATIVES STUDY
FUEL UNITS = REPORT 6.1 FUEL AND EMISSIONS SAVINGS (SAVINGS ARE
EMISSION UNITS= TIME 1990 LEVEL ALL
COST =$*10**9 TYPE MATCH=POWR

PROCS	ECS	ECS FUEL	****DIRECT*****FUEL OIL+GAS	-----TOTAL----COAL OIL+GAS	FESR COAL	-------DIRECT--------NOX	SOX	PART	********TOTAL*******NOX	SOX	PART	EMSR	CAPITL SAVING	ELECTRIC POWER TOTAL EXPORT MWH	COST	LAEC SAVED
20111	CC1626	RESIDU	0.	-0.002 0.	0.002	0.20	-2.	-1.	-0.	-0.	1.	-0. 0.11	-0.	0.	165.	-0.
20111	CC1626	RESIDU	0.	-0.012 0.	0.010	0.37	-8.	-5.	-1.	-1.	7.	-0. 0.21	3.	2.	79.	-1.
20111	CC1622	RESIDU	0.	-0.002 0.	0.002	0.21	-2.	-1.	-0.	-0.	1.	-0. 0.12	-0.	0.	153.	-0.
20111	CC1622	RESIDU	0.	-0.010 0.	0.010	0.38	-8.	-4.	-1.	-1.	7.	-0. 0.22	3.	1.	75.	-1.
20111	CC1222	RESIDU	0.	-0.002 0.	0.002	0.21	-2.	-1.	-0.	-0.	1.	-0. 0.13	-0.	0.	148.	-0.
20111	CC1222	RESIDU	0.	-0.010 0.	0.010	0.38	-7.	-4.	-1.	-1.	7.	-0. 0.22	3.	1.	72.	-1.
20111	CC0822	RESIDU	0.	-0.002 0.	0.002	0.22	-2.	-1.	-0.	-0.	2.	-0. 0.13	-0.	0.	154.	-0.
20111	CC0822	RESIDU	0.	-0.008 0.	0.009	0.39	-6.	-3.	-1.	-1.	6.	-0. 0.23	2.	1.	75.	-0.
20111	STIG15	RESIDU	0.	-0.004 0.	0.001	0.07	-2.	-1.	-0.	-1.	1.	0. 0.00	-0.	0.	167.	-0.
20111	STIG15	RESIDU	0.	-0.382 0.	0.080	0.17	-231.	-153.	-11.	-85.	88.	1. 0.01	102.	43.	65.	-13.
20111	STIG10	RESIDU	0.	-0.003 0.	0.001	0.10	-2.	-1.	-0.	-1.	1.	0. 0.03	-0.	0.	154.	-0.
20111	STIG10	RESIDU	0.	-0.032 0.	0.011	0.22	-21.	-13.	-1.	-7.	10.	0. 0.06	8.	4.	73.	-1.
20111	STIG1S	RESIDU	0.	-0.003 0.	0.001	0.12	-2.	-1.	-0.	-1.	1.	0. 0.04	-0.	0.	118.	-0.
20111	STIG1S	RESIDU	0.	-0.018 0.	0.007	0.23	-12.	-7.	-0.	-4.	6.	0. 0.07	4.	2.	74.	-1.
20111	DEADV3	RESIDU	0.	-0.002 0.	0.002	0.20	-3.	-1.	-0.	-2.	1.	-0. -0.03	-1.	0.	242.	-0.
20111	DEADV3	RESIDU	0.	-0.009 0.	0.008	0.36	-12.	-4.	-1.	-7.	6.	-0. -0.06	1.	1.	101.	-1.
20111	DEHTPM	RESIDU	0.	-0.002 0.	0.003	0.24	-3.	-1.	-0.	-2.	2.	-0. 0.00	-1.	0.	209.	-0.
20111	DEHTPM	RESIDU	0.	-0.006 0.	0.008	0.40	-9.	-2.	-1.	-5.	5.	-0. 0.01	0.	1.	106.	-1.
20111	DES0A3	DISTIL	-0.002	0. -0.002	0.004	0.19	-7.	1.	0.	-5.	3.	-0. -0.35	-0.	0.	154.	-0.
20111	DES0A3	DISTIL	-0.010	0. -0.010	0.018	0.33	-30.	-0.	0.	-24.	9.	0. -0.74	1.	1.	106.	-1.
20111	DES0A3	RESIDU	-0.002	0. -0.002	0.004	0.19	-15.	-1.	-0.	-14.	1.	0. -1.77	-0.	0.	149.	-0.
20111	DES0A3	RESIDU	-0.010	0. -0.010	0.018	0.33	-64.	-4.	-0.	-58.	6.	1. -2.60	1.	1.	102.	-1.
20111	GTS0AD	DISTIL	-0.002	0. -0.002	0.004	0.22	-1.	-0.	0.	0.	2.	0. 0.47	0.	0.	119.	-0.
20111	GTS0AD	DISTIL	-0.005	0. -0.005	0.010	0.32	-2.	-1.	0.	1.	4.	0. 0.56	2.	0.	63.	-0.
20111	GTRA08	DISTIL	0.	-0.002 0.	0.002	0.21	-0.	0.	0.	1.	3.	1. 0.46	-0.	0.	158.	-0.
20111	GTRA08	DISTIL	0.	-0.007 0.	0.007	0.36	-3.	-1.	0.	2.	7.	1. 0.51	2.	1.	84.	-0.
20111	GTRA12	DISTIL	0.	-0.002 0.	0.002	0.21	-0.	0.	0.	1.	3.	1. 0.47	-0.	0.	152.	-0.
20111	GTRA12	DISTIL	0.	-0.007 0.	0.008	0.36	-3.	-1.	0.	2.	7.	1. 0.51	2.	1.	83.	-0.
20111	GTRA16	DISTIL	0.	-0.002 0.	0.002	0.21	-0.	0.	0.	1.	3.	1. 0.46	-0.	0.	158.	-0.
20111	GTRA16	DISTIL	0.	-0.007 0.	0.007	0.36	-3.	-1.	0.	1.	7.	1. 0.51	1.	1.	88.	-0.
20111	GTR208	DISTIL	0.	-0.002 0.	0.002	0.21	-1.	0.	0.	1.	3.	1. 0.46	-0.	0.	143.	-0.
20111	GTR208	DISTIL	0.	-0.006 0.	0.006	0.34	-3.	-1.	0.	1.	6.	1. 0.49	2.	1.	79.	-0.
20111	GTR212	DISTIL	0.	-0.002 0.	0.002	0.21	-1.	0.	0.	1.	3.	1. 0.46	-0.	0.	148.	-0.
20111	GTR212	DISTIL	0.	-0.006 0.	0.006	0.34	-3.	-1.	0.	1.	6.	1. 0.49	2.	1.	82.	-0.
20111	GTR216	DISTIL	0.	-0.002 0.	0.002	0.22	-0.	0.	0.	1.	3.	1. 0.46	-0.	0.	150.	-0.
20111	GTR216	DISTIL	0.	-0.006 0.	0.007	0.35	-3.	-1.	0.	1.	6.	1. 0.50	1.	1.	83.	-0.
20111	GTRW08	DISTIL	0.	-0.003 0.	0.002	0.18	-1.	-0.	0.	1.	3.	1. 0.44	-0.	0.	166.	-0.
20111	GTRW08	DISTIL	0.	-0.010 0.	0.008	0.31	-4.	-2.	0.	1.	8.	1. 0.48	2.	1.	88.	-1.
20111	GTRW12	DISTIL	0.	-0.002 0.	0.002	0.19	-0.	0.	0.	1.	3.	1. 0.45	-0.	0.	165.	-0.
20111	GTRW12	DISTIL	0.	-0.010 0.	0.008	0.33	-4.	-2.	0.	2.	8.	1. 0.49	2.	1.	86.	-1.
20111	GTRW16	DISTIL	0.	-0.002 0.	0.002	0.19	-1.	0.	0.	1.	3.	1. 0.45	-1.	0.	170.	-0.
20111	GTRW16	DISTIL	0.	-0.010 0.	0.008	0.33	-4.	-2.	0.	1.	8.	1. 0.49	2.	1.	90.	-1.
20111	GTR308	DISTIL	0.	-0.003 0.	0.002	0.17	-1.	-0.	0.	1.	3.	1. 0.43	-0.	0.	152.	-0.
20111	GTR308	DISTIL	0.	-0.008 0.	0.005	0.28	-4.	-2.	0.	1.	6.	1. 0.45	2.	1.	84.	-0.
20111	GTR312	DISTIL	0.	-0.002 0.	0.002	0.19	-1.	0.	0.	1.	3.	1. 0.45	-0.	0.	155.	-0.
20111	GTR312	DISTIL	0.	-0.009 0.	0.007	0.32	-4.	-2.	0.	1.	7.	1. 0.48	2.	1.	83.	-1.

ISE PEG AES COGENERATION TECHNOLOGY ALTERNATIVES STUDY
FUEL UNITS = REPORT 6.1 FUEL AND EMISSIONS SAVINGS (SAVINGS ARE
EMISSION UNITS= TIME 1990 LEVEL ALL
COST =$*10**9 TYPE MATCH=POWR

PROCS	ECS	ECS FUEL	*****FUEL SAVINGS***** DIRECT OIL+GAS	DIRECT COAL	TOTAL OIL+GAS	TOTAL COAL	FESR NOX	EMISSIONS SAVINGS DIRECT SOX	DIRECT PART	TOTAL NOX	TOTAL SOX	TOTAL PART	EMSR	CAPITL SAVING	ELECTRIC POWER TOTAL EXPORT MWH	COST	LAEC SAVED
20111	GTR316	DISTIL	0.	-0.002	0.	0.002	0.19	-1.	0.	0.	1.	3.	1. 0.45	-0.	0.	162.	-0.
20111	GTR316	DISTIL	0.	-0.009	0.	0.007	0.32	-4.	-2.	0.	1.	7.	1. 0.48	2.	1.	87.	-1.
20111	FCPADS	DISTIL	0.	-0.002	0.	0.002	0.19	0.	1.	0.	2.	4.	1. 0.66	0.	0.	128.	-0.
20111	FCPADS	DISTIL	0.	-0.011	0.	0.009	0.35	-1.	2.	0.	5.	14.	2. 0.86	3.	1.	86.	-1.
20111	FCMCDS	DISTIL	0.	-0.002	0.	0.002	0.18	-2.	1.	0.	-0.	4.	1. 0.43	-0.	0.	138.	-0.
20111	FCMCDS	DISTIL	0.	-0.016	0.	0.012	0.36	-14.	2.	-0.	-5.	18.	2. 0.46	3.	2.	97.	-1.
20261	STM141	RESIDU	0.	-0.001	0.	0.001	0.24	-0.	-0.	-0.	0.	1.	0. 0.25	-0.	0.	139.	-0.
20261	STM141	COAL-F	0.	-0.001	0.	0.001	0.24	-0.	-1.	-0.	0.	0.	0. 0.17	-1.	0.	263.	-0.
20261	STM141	COAL-A	0.	-0.001	0.	0.001	0.24	0.	-1.	-0.	1.	0.	0. 0.32	-1.	0.	237.	-0.
20261	STM088	RESIDU	0.	-0.001	0.	0.001	0.19	-0.	-0.	-0.	0.	1.	0. 0.20	-0.	0.	130.	-0.
20261	STM088	COAL-F	0.	-0.001	0.	0.001	0.19	-0.	-1.	-0.	0.	0.	0. 0.12	-1.	0.	252.	-0.
20261	STM088	COAL-A	0.	-0.001	0.	0.001	0.19	0.	-1.	-0.	1.	0.	0. 0.26	-1.	0.	234.	-0.
20261	PFBSTM	COAL-P	0.	-0.001	0.	0.002	0.32	1.	-1.	0.	2.	0.	0. 0.48	-2.	0.	374.	-1.
20261	PFBSTM	COAL-P	0.	-0.001	0.	0.002	0.33	1.	-1.	0.	2.	1.	0. 0.49	-2.	0.	306.	-0.
20261	TISTMT	RESIDU	0.	-0.001	0.	0.002	0.32	-0.	-0.	-0.	1.	1.	0. 0.34	-4.	0.	511.	-1.
20261	TISTMT	RESIDU	0.	-0.002	0.	0.002	0.37	-1.	-1.	-0.	1.	2.	0. 0.39	-5.	0.	429.	-1.
20261	TISTMT	COAL	0.	-0.001	0.	0.002	0.32	-0.	-1.	-0.	1.	0.	0. 0.25	-6.	0.	737.	-1.
20261	TISTMT	COAL	0.	-0.002	0.	0.002	0.37	-1.	-1.	-0.	1.	1.	0. 0.30	-7.	0.	572.	-1.
20261	TIHRSG	RESIDU	0.	-0.001	0.	0.001	0.14	-0.	-0.	-0.	0.	1.	0. 0.15	-4.	0.	476.	-1.
20261	TIHRSG	COAL	0.	-0.001	0.	0.001	0.14	-0.	-1.	-0.	0.	-0.	0. 0.07	-6.	0.	637.	-1.
20261	STIRL	DISTIL	0.	-0.001	0.	0.002	0.27	-0.	-0.	0.	1.	2.	0. 0.57	0.	0.	110.	-0.
20261	STIRL	DISTIL	0.	-0.002	0.	0.003	0.33	-0.	-0.	0.	1.	2.	0. 0.61	1.	0.	60.	-0.
20261	STIRL	RESIDU	0.	-0.001	0.	0.002	0.27	-0.	-1.	-0.	0.	1.	-0. 0.27	0.	0.	106.	-0.
20261	STIRL	RESIDU	0.	-0.002	0.	0.003	0.33	-1.	-1.	-0.	1.	2.	-0. 0.34	1.	0.	56.	-0.
20261	STIRL	COAL	0.	-0.001	0.	0.002	0.27	-0.	-1.	-0.	0.	0.	0. 0.19	-1.	0.	303.	-0.
20261	STIRL	COAL	0.	-0.002	0.	0.003	0.33	-1.	-2.	-0.	1.	1.	0. 0.27	-0.	0.	145.	-0.
20261	HEGT85	COAL-A	0.	-0.002	0.	0.001	0.25	0.	-1.	-0.	1.	0.	0. 0.32	-5.	0.	621.	-1.
20261	HEGT85	COAL-A	0.	-0.003	0.	0.003	0.32	-0.	-2.	-0.	2.	1.	0. 0.38	-7.	0.	400.	-1.
20261	HEGT60	COAL-A	0.	-0.002	0.	0.001	0.16	0.	-2.	-0.	1.	-0.	0. 0.24	-5.	0.	613.	-1.
20261	HEGT60	COAL-A	0.	-0.003	0.	0.002	0.20	-0.	-3.	-0.	1.	0.	0. 0.27	-6.	0.	420.	-1.
20261	HEGT00	COAL-A	0.	-0.002	0.	0.001	0.13	0.	-2.	-0.	1.	-0.	0. 0.19	-4.	0.	428.	-1.
20261	FCMCCL	COAL	0.	-0.001	0.	0.002	0.28	1.	0.	0.	2.	2.	0. 0.80	-4.	0.	520.	-1.
20261	FCMCCL	COAL	0.	-0.002	0.	0.002	0.34	1.	1.	0.	2.	4.	1. 1.00	-4.	0.	342.	-1.
20261	FCSTCL	COAL	0.	-0.001	0.	0.002	0.29	0.	0.	0.	1.	2.	0. 0.66	-4.	0.	537.	-1.
20261	FCSTCL	COAL	0.	-0.004	0.	0.005	0.42	1.	1.	0.	4.	6.	1. 1.00	-5.	0.	270.	-1.
20261	IGGTST	COAL	0.	-0.002	0.	0.001	0.24	-1.	-1.	0.	0.	0.	0. 0.18	-5.	0.	593.	-1.
20261	IGGTST	COAL	0.	-0.003	0.	0.003	0.31	-1.	-2.	0.	1.	1.	1. 0.28	-5.	0.	345.	-1.
20261	GTSOAR	RESIDU	-0.002	0.	-0.002	0.003	0.25	-1.	-1.	-0.	0.	1.	0. 0.07	-0.	0.	152.	-0.
20261	GTSOAR	RESIDU	-0.002	0.	-0.002	0.005	0.31	-1.	-1.	-0.	1.	2.	0. 0.43	0.	0.	95.	-0.
20261	GTAC08	RESIDU	0.	-0.001	0.	0.002	0.27	-1.	-1.	-0.	-0.	1.	-0. 0.10	0.	0.	118.	-0.
20261	GTAC08	RESIDU	0.	-0.002	0.	0.002	0.31	-2.	-1.	-0.	-1.	1.	-0. 0.12	1.	0.	73.	-0.
20261	GTAC12	RESIDU	0.	-0.001	0.	0.002	0.28	-1.	-1.	-0.	-0.	1.	-0. 0.13	0.	0.	123.	-0.
20261	GTAC12	RESIDU	0.	-0.002	0.	0.002	0.34	-2.	-1.	-0.	-0.	2.	-0. 0.16	1.	0.	71.	-0.
20261	GTAC16	RESIDU	0.	-0.001	0.	0.002	0.28	-1.	-1.	-0.	-0.	1.	-0. 0.14	0.	0.	130.	-0.
20261	GTAC16	RESIDU	0.	-0.002	0.	0.003	0.35	-2.	-1.	-0.	-0.	2.	-0. 0.18	1.	0.	75.	-0.
20261	GTWC16	RESIDU	0.	-0.002	0.	0.001	0.24	-1.	-1.	-0.	-0.	1.	-0. 0.10	-0.	0.	152.	-0.

ISE PED AES COGENERATION TECHNOLOGY ALTERNATIVES STUDY
FUEL UNITS = REPORT 6.1 FUEL AND EMISSIONS SAVINGS (SAVINGS ARE
EMISSION UNITS= TIME 1990 LEVEL ALL
COST =$*10**9 TYPE MATCH=HEAT

PROCS	ECS	ECS FUEL	*****FUEL SAVINGS***** DIRECT OIL+GAS	DIRECT COAL	TOTAL OIL+GAS	TOTAL COAL	FESR	EMISSIONS SAVINGS DIRECT NOX	DIRECT SOX	DIRECT PART	TOTAL NOX	TOTAL SOX	TOTAL PART	EMSR	CAPITL SAVING	ELECTRIC POWER TOTAL EXPORT MWH	COST	LAEC SAVED
20261	GTWC16	RESIDU	0.	-0.003	0.	0.003	0.31	-2.	-1.	-0.	-1.	2.	-0.	0.13	0.	0.	89.	-0.
20261	CC1626	RESIDU	0.	-0.002	0.	0.001	0.24	-1.	-1.	-0.	-0.	1.	-0.	0.14	-0.	0.	186.	-0.
20261	CC1626	RESIDU	0.	-0.005	0.	0.005	0.37	-4.	-2.	-0.	-1.	3.	-0.	0.21	1.	1.	97.	-0.
20261	CC1622	RESIDU	0.	-0.001	0.	0.001	0.26	-1.	-1.	-0.	-0.	1.	-0.	0.15	-0.	0.	172.	-0.
20261	CC1622	RESIDU	0.	-0.005	0.	0.005	0.38	-3.	-2.	-0.	-1.	3.	-0.	0.22	1.	1.	91.	-0.
20261	CC1222	RESIDU	0.	-0.001	0.	0.001	0.26	-1.	-1.	-0.	-0.	1.	-0.	0.15	-0.	0.	166.	-0.
20261	CC1222	RESIDU	0.	-0.005	0.	0.005	0.38	-3.	-2.	-0.	-1.	3.	-0.	0.22	1.	1.	87.	-0.
20261	CC0822	RESIDU	0.	-0.001	0.	0.002	0.29	-1.	-1.	-0.	-0.	1.	-0.	0.16	-0.	0.	173.	-0.
20261	CC0822	RESIDU	0.	-0.003	0.	0.004	0.39	-3.	-1.	-0.	-0.	3.	-0.	0.23	1.	0.	94.	-0.
20261	STIG15	RESIDU	0.	-0.002	0.	0.091	0.09	-1.	-1.	-0.	-1.	1.	0.	0.01	-0.	0.	190.	-0.
20261	STIG15	RESIDU	0.	-0.175	0.	0.037	0.17	-106.	-70.	-5.	-39.	40.	0.	0.01	47.	20.	65.	-6.
20261	STIG10	RESIDU	0.	-0.002	0.	0.001	0.13	-1.	-1.	-0.	-0.	1.	0.	0.04	-0.	0.	173.	-0.
20261	STIG10	RESIDU	0.	-0.015	0.	0.005	0.22	-10.	-6.	-0.	-3.	4.	0.	0.06	3.	2.	84.	-1.
20261	STIG1S	RESIDU	0.	-0.002	0.	0.001	0.15	-1.	-1.	-0.	-1.	1.	0.	0.04	-0.	0.	166.	-0.
20261	STIG1S	RESIDU	0.	-0.008	0.	0.003	0.23	-6.	-3.	-0.	-2.	3.	0.	0.07	1.	1.	87.	-0.
20261	DEADV3	RESIDU	0.	-0.001	0.	0.001	0.26	-2.	-1.	-0.	-1.	1.	-0.	-0.03	-1.	0.	234.	-0.
20261	DEADV3	RESIDU	0.	-0.004	0.	0.004	0.37	-5.	-2.	-0.	-3.	3.	-0.	-0.04	-1.	0.	131.	-0.
20261	DEHTPM	RESIDU	0.	-0.001	0.	0.002	0.30	-2.	-0.	-0.	-1.	1.	-0.	0.00	-1.	0.	232.	-0.
20261	DEHTPM	RESIDU	0.	-0.003	0.	0.003	0.40	-4.	-1.	-0.	-2.	2.	-0.	0.01	-1.	0.	139.	-0.
20261	DESOA3	DISTIL	-0.002	0.	-0.002	0.003	0.24	-5.	0.	0.	-4.	2.	0.	-0.48	-0.	0.	151.	-0.
20261	DESOA3	DISTIL	-0.004	0.	-0.004	0.008	0.35	-13.	-0.	0.	-10.	4.	0.	-0.72	1.	0.	102.	-0.
20261	DESOA3	RESIDU	-0.002	0.	-0.002	0.003	0.24	-10.	-1.	-0.	-9.	1.	0.	-2.04	-0.	0.	146.	-0.
20261	DESOA3	RESIDU	-0.004	0.	-0.004	0.008	0.35	-27.	-2.	-0.	-25.	3.	0.	-2.56	1.	0.	97.	-0.
20261	GTSOAD	DISTIL	-0.001	0.	-0.001	0.003	0.27	-1.	-0.	0.	0.	1.	0.	0.52	0.	0.	121.	-0.
20261	GTSOAD	DISTIL	-0.002	0.	-0.002	0.004	0.32	-1.	-0.	0.	1.	2.	0.	0.56	1.	0.	71.	-0.
20261	GTRA08	DISTIL	0.	-0.001	0.	0.001	0.26	-0.	-0.	0.	1.	2.	0.	0.48	-0.	0.	173.	-0.
20261	GTRA08	DISTIL	0.	-0.003	0.	0.003	0.36	-2.	-1.	0.	1.	3.	1.	0.51	0.	0.	100.	-0.
20261	GTRA12	DISTIL	0.	-0.001	0.	0.001	0.26	-0.	-0.	0.	1.	2.	0.	0.48	-0.	0.	165.	-0.
20261	GTRA12	DISTIL	0.	-0.003	0.	0.003	0.36	-1.	-1.	0.	1.	3.	1.	0.51	0.	0.	97.	-0.
20261	GTRA16	DISTIL	0.	-0.001	0.	0.001	0.26	-0.	-0.	0.	1.	2.	0.	0.48	-0.	0.	171.	-0.
20261	GTRA16	DISTIL	0.	-0.003	0.	0.003	0.36	-1.	-1.	0.	1.	3.	1.	0.51	0.	0.	103.	-0.
20261	GTR208	DISTIL	0.	-0.001	0.	0.001	0.25	-1.	-0.	0.	0.	2.	0.	0.47	-0.	0.	153.	-0.
20261	GTR208	DISTIL	0.	-0.003	0.	0.003	0.34	-1.	-0.	0.	1.	3.	0.	0.49	0.	0.	92.	-0.
20261	GTR212	DISTIL	0.	-0.001	0.	0.001	0.26	-0.	-0.	0.	0.	2.	0.	0.47	-0.	0.	159.	-0.
20261	GTR212	DISTIL	0.	-0.003	0.	0.003	0.34	-1.	-0.	0.	1.	3.	0.	0.49	0.	0.	95.	-0.
20261	GTR216	DISTIL	0.	-0.001	0.	0.001	0.26	-0.	-0.	0.	0.	2.	0.	0.48	-0.	0.	161.	-0.
20261	GTR216	DISTIL	0.	-0.003	0.	0.003	0.35	-1.	-0.	0.	1.	3.	0.	0.50	0.	0.	97.	-0.
20261	GTRW08	DISTIL	0.	-0.002	0.	0.001	0.22	-1.	-0.	0.	0.	2.	0.	0.45	-0.	0.	184.	-0.
20261	GTRW08	DISTIL	0.	-0.005	0.	0.003	0.31	-2.	-1.	0.	1.	4.	1.	0.48	0.	0.	105.	-0.
20261	GTRW12	DISTIL	0.	-0.002	0.	0.001	0.23	-0.	-0.	0.	0.	2.	0.	0.46	-0.	0.	182.	-0.
20261	GTRW12	DISTIL	0.	-0.005	0.	0.004	0.33	-2.	-1.	0.	1.	4.	1.	0.49	0.	1.	103.	-0.
20261	GTRW16	DISTIL	0.	-0.002	0.	0.001	0.23	-0.	-0.	0.	0.	2.	0.	0.46	-1.	0.	188.	-0.
20261	GTRW16	DISTIL	0.	-0.004	0.	0.004	0.33	-2.	-1.	0.	1.	4.	1.	0.49	0.	0.	108.	-0.
20261	GTR308	DISTIL	0.	-0.002	0.	0.001	0.21	-1.	-0.	0.	0.	2.	0.	0.44	-0.	0.	163.	-0.
20261	GTR308	DISTIL	0.	-0.004	0.	0.003	0.28	-2.	-1.	0.	0.	3.	1.	0.45	0.	0.	98.	-0.
20261	GTR312	DISTIL	0.	-0.002	0.	0.001	0.23	-1.	-0.	0.	0.	2.	0.	0.46	-0.	0.	170.	-0.

ISE PEO AES COGENERATION TECHNOLOGY ALTERNATIVES STUDY
FUEL UNITS = REPORT 6.1 FUEL AND EMISSIONS SAVINGS (SAVINGS ARE
EMISSION UNITS= TIME 1990 LEVEL ALL
COST =$*10**9 TYPE MATCH=HEAT

PROCS	ECS	ECS FUEL	*****FUEL SAVINGS***** DIRECT OIL+GAS	DIRECT COAL	TOTAL OIL+GAS	TOTAL COAL	FESR	EMISSIONS SAVINGS DIRECT NOX	DIRECT SOX	DIRECT PART	TOTAL NOX	TOTAL SOX	TOTAL PART	EMSR	CAPITL SAVING	ELECTRIC POWER TOTAL EXPORT MWH	COST	LAEC SAVED
20261	GTR312	DISTIL	0.	-0.004	0.	0.003	0.32	-2.	-1.	0.	1.	3.	1.	0.48	0.	0.	98.	-0.
20261	GTR316	DISTIL	0.	-0.002	0.	0.001	0.23	-1.	-0.	0.	0.	2.	0.	0.46	-0.	0.	178.	-0.
20261	GTR316	DISTIL	0.	-0.004	0.	0.003	0.32	-2.	-1.	0.	1.	3.	1.	0.48	0.	0.	104.	-0.
20261	FCPADS	DISTIL	0.	-0.002	0.	0.001	0.25	0.	1.	0.	1.	2.	0.	0.72	0.	0.	121.	-0.
20261	FCPADS	DISTIL	0.	-0.004	0.	0.004	0.36	-0.	1.	0.	2.	6.	1.	0.86	1.	1.	79.	-0.
20261	FCMCDS	DISTIL	0.	-0.002	0.	0.001	0.23	-1.	0.	0.	-0.	2.	0.	0.44	-0.	0.	138.	-0.
20261	FCMCDS	DISTIL	0.	-0.007	0.	0.006	0.36	-7.	1.	-0.	-2.	8.	1.	0.46	1.	1.	95.	-1.
20461	STM141	RESIDU	0.	-0.076	0.	0.125	0.18	-26.	-30.	-4.	38.	77.	5.	0.19	16.	0.	24.	3.
20461	STM141	RESIDU	0.	-0.154	0.	0.255	0.28	-54.	-62.	-8.	76.	157.	10.	0.29	41.	20.	17.	5.
20461	STM141	COAL-F	0.	-0.076	0.	0.125	0.18	-26.	-148.	-4.	42.	-23.	29.	0.08	-7.	0.	51.	8.
20461	STM141	COAL-F	0.	-0.154	0.	0.255	0.28	-54.	-195.	-8.	81.	44.	37.	0.20	10.	20.	33.	10.
20461	STM141	COAL-A	0.	-0.076	0.	0.125	0.18	100.	-148.	-4.	168.	-23.	29.	0.27	2.	0.	41.	9.
20461	STM141	COAL-A	0.	-0.154	0.	0.255	0.28	89.	-195.	-8.	225.	44.	37.	0.37	27.	20.	22.	13.
20461	STM086	RESIDU	0.	-0.076	0.	0.125	0.18	-26.	-30.	-4.	38.	77.	5.	0.19	20.	0.	18.	4.
20461	STM086	RESIDU	0.	-0.121	0.	0.201	0.24	-43.	-49.	-6.	60.	124.	8.	0.26	33.	11.	16.	5.
20461	STM088	COAL-F	0.	-0.076	0.	0.125	0.18	-26.	-148.	-4.	42.	-23.	29.	0.08	-6.	0.	50.	8.
20461	STM088	COAL-F	0.	-0.121	0.	0.201	0.24	-43.	-175.	-6.	65.	17.	33.	0.15	4.	11.	36.	10.
20461	STM088	COAL-A	0.	-0.076	0.	0.125	0.18	100.	-148.	-4.	168.	-23.	29.	0.27	3.	0.	39.	9.
20461	STM088	COAL-A	0.	-0.121	0.	0.201	0.24	94.	-175.	-6.	201.	17.	33.	0.34	19.	11.	25.	12.
20461	PFBSTM	COAL-P	0.	-0.077	0.	0.124	0.17	115.	-148.	5.	183.	-23.	37.	0.31	-7.	0.	54.	8.
20461	PFBSTM	COAL-P	0.	-0.226	0.	0.366	0.33	124.	-238.	15.	318.	101.	70.	0.49	31.	37.	27.	12.
20461	TISTMT	RESIDU	0.	-0.077	0.	0.123	0.17	-27.	-31.	-4.	37.	78.	5.	0.19	-24.	0.	74.	-2.
20461	TISTMT	RESIDU	0.	-0.294	0.	0.469	0.37	-103.	-118.	-15.	140.	291.	19.	0.39	-42.	53.	56.	-9.
20461	TISTMT	COAL	0.	-0.077	0.	0.123	0.17	-27.	-149.	-4.	41.	-24.	28.	0.07	-50.	0.	106.	2.
20461	TISTMT	COAL	0.	-0.294	0.	0.469	0.37	-103.	-279.	-15.	146.	154.	51.	0.30	-81.	53.	64.	-2.
20461	TIHRSG	RESIDU	0.	-0.092	0.	0.109	0.15	-32.	-37.	-5.	32.	70.	4.	0.17	-52.	0.	111.	-6.
20461	TIHRSG	RESIDU	0.	-0.129	0.	0.152	0.19	-45.	-52.	-6.	44.	99.	5.	0.21	-65.	8.	103.	-8.
20461	TIHRSG	COAL	0.	-0.092	0.	0.109	0.15	-32.	-158.	-5.	36.	-33.	28.	0.05	-87.	0.	152.	-3.
20461	TIHRSG	COAL	0.	-0.129	0.	0.152	0.19	-45.	-180.	-6.	49.	-10.	31.	0.10	-98.	8.	128.	-4.
20461	STIRL	DISTIL	0.	-0.109	0.	0.092	0.13	36.	30.	15.	105.	155.	47.	0.48	7.	0.	45.	-4.
20461	STIRL	DISTIL	0.	-0.450	0.	0.381	0.28	-42.	-66.	9.	229.	404.	79.	0.58	41.	59.	39.	-11.
20461	STIRL	RESIDU	0.	-0.109	0.	0.092	0.13	-38.	-43.	-12.	26.	63.	-4.	0.13	7.	0.	41.	1.
20461	STIRL	RESIDU	0.	-0.450	0.	0.381	0.28	-158.	-180.	-48.	106.	261.	-17.	0.29	41.	59.	35.	-3.
20461	STIRL	COAL	0.	-0.109	0.	0.092	0.13	-38.	-168.	-5.	30.	-42.	27.	0.02	-19.	0.	70.	6.
20461	STIRL	COAL	0.	-0.450	0.	0.381	0.28	-158.	-372.	-23.	114.	97.	47.	0.21	-17.	59.	46.	3.
20461	HEGT85	COAL-A	0.	-0.136	0.	0.065	0.09	82.	-184.	-7.	151.	-59.	26.	0.18	-36.	0.	94.	3.
20461	HEGT85	COAL-A	0.	-1.088	0.	0.517	0.24	-111.	-755.	-54.	409.	138.	61.	0.31	-29.	132.	48.	-8.
20461	HEGT60	COAL-A	0.	-0.137	0.	0.064	0.09	80.	-185.	-7.	148.	-60.	25.	0.18	-34.	0.	91.	3.
20461	HEGT60	COAL-A	0.	-0.633	0.	0.293	0.20	-29.	-482.	-32.	273.	40.	44.	0.27	-29.	68.	52.	-2.
20461	HEGT00	COAL-A	0.	-0.142	0.	0.058	0.08	74.	-188.	-7.	142.	-63.	25.	0.17	-31.	0.	88.	4.
20461	HEGT00	COAL-A	0.	-0.327	0.	0.134	0.14	27.	-299.	-16.	179.	-31.	31.	0.20	-25.	24.	59.	2.
20461	FCMCCL	COAL	0.	-0.093	0.	0.108	0.15	41.	-32.	5.	110.	93.	38.	0.38	-30.	0.	83.	4.
20461	FCMCCL	COAL	0.	-0.403	0.	0.466	0.34	179.	204.	23.	462.	695.	95.	1.00	-4.	63.	43.	4.
20461	FCSTCL	COAL	0.	-0.088	0.	0.112	0.16	23.	-62.	3.	92.	63.	35.	0.30	-27.	0.	79.	5.
20461	FCSTCL	COAL	0.	-0.677	0.	0.857	0.42	178.	204.	23.	676.	1058.	134.	1.00	34.	125.	35.	6.
20461	IGGTST	COAL	0.	-0.109	0.	0.092	0.13	-38.	-168.	4.	30.	-43.	36.	0.04	-24.	0.	75.	5.

ISE PEG AES COGENERATION TECHNOLOGY ALTERNATIVES STUDY
FUEL UNITS = REPORT 6.1 FUEL AND EMISSIONS SAVINGS (SAVINGS ARE
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COST =$*10**9 TYPE MATCH=HEAT

PROCS	ECS	ECS FUEL	FUEL SAVINGS DIRECT OIL+GAS	FUEL SAVINGS DIRECT COAL	FUEL SAVINGS TOTAL OIL+GAS	FUEL SAVINGS TOTAL COAL	FESR	EMISSIONS DIRECT NOX	EMISSIONS DIRECT SOX	EMISSIONS DIRECT PART	SAVINGS TOTAL NOX	SAVINGS TOTAL SOX	SAVINGS TOTAL PART	EMSR	CAPITL SAVING	ELECTRIC POWER TOTAL EXPORT MWH	COST	LAEC SAVED
20461	IGGTST	COAL	0.	-0.596	0.	0.503	0.31	-209.	-460.	20.	149.	156.	106.	0.28	18.	84.	36.	7.
20461	GTSOAR	RESIDU	-0.103	0.	-0.103	0.201	0.14	-42.	-39.	-1.	22.	71.	11.	0.24	13.	0.	32.	2.
20461	GTSOAR	RESIDU	-0.444	0.	-0.444	0.866	0.31	-183.	-167.	-4.	96.	307.	48.	0.43	69.	62.	26.	2.
20461	GTAC08	RESIDU	0.	-0.095	0.	0.105	0.15	-93.	-38.	-11.	-29.	69.	-3.	0.06	15.	0.	28.	2.
20461	GTAC08	RESIDU	0.	-0.343	0.	0.378	0.31	-334.	-137.	-40.	-104.	247.	-11.	0.12	65.	49.	22.	4.
20461	GTAC12	RESIDU	0.	-0.093	0.	0.107	0.15	-85.	-37.	-10.	-21.	70.	-2.	0.07	14.	0.	28.	2.
20461	GTAC12	RESIDU	0.	-0.409	0.	0.469	0.34	-373.	-163.	-45.	-94.	304.	-9.	0.16	76.	63.	23.	4.
20461	GTAC16	RESIDU	0.	-0.094	0.	0.107	0.15	-82.	-38.	-10.	-19.	69.	-2.	0.08	13.	0.	29.	2.
20461	GTAC16	RESIDU	0.	-0.457	0.	0.521	0.35	-402.	-183.	-49.	-91.	338.	-9.	0.18	78.	73.	25.	3.
20461	GTWC16	RESIDU	0.	-0.107	0.	0.093	0.13	-88.	-43.	-11.	-25.	64.	-3.	0.06	14.	0.	32.	2.
20461	GTWC16	RESIDU	0.	-0.567	0.	0.495	0.31	-468.	-227.	-57.	-131.	337.	-17.	0.13	94.	81.	25.	2.
20461	CC1626	RESIDU	0.	-0.106	0.	0.095	0.13	-77.	-42.	-10.	-13.	64.	-2.	0.08	13.	0.	32.	2.
20461	CC1626	RESIDU	0.	-1.008	0.	0.898	0.37	-733.	-403.	-91.	-127.	609.	-18.	0.21	161.	160.	26.	-0.
20461	CC1622	RESIDU	0.	-0.102	0.	0.099	0.14	-76.	-41.	-9.	-12.	66.	-2.	0.08	13.	0.	31.	2.
20461	CC1622	RESIDU	0.	-0.871	0.	0.848	0.38	-651.	-348.	-80.	-104.	566.	-13.	0.22	139.	142.	26.	1.
20461	CC1222	RESIDU	0.	-0.101	0.	0.100	0.14	-75.	-40.	-9.	-12.	66.	-1.	0.08	14.	0.	31.	2.
20461	CC1222	RESIDU	0.	-0.862	0.	0.855	0.38	-645.	-345.	-80.	-99.	568.	-12.	0.22	143.	142.	25.	1.
20461	CC0822	RESIDU	0.	-0.094	0.	0.107	0.15	-75.	-38.	-9.	-11.	69.	-1.	0.09	14.	0.	29.	2.
20461	CC0822	RESIDU	0.	-0.650	0.	0.738	0.39	-518.	-260.	-63.	-76.	480.	-7.	0.23	119.	111.	23.	4.
20461	STIG15	RESIDU	0.	-0.166	0.	0.035	0.05	-100.	-66.	-5.	-37.	38.	0.	0.00	10.	0.	47.	-1.
20461	STIG15	RESIDU	0.	-32.945	0.	6.889	0.17	-19895.	-13178.	-978.	-7326.	7619.	62.	0.01	3180.	3717.	38.	-548.
20461	STIG10	RESIDU	0.	-0.151	0.	0.050	0.07	-97.	-60.	-4.	-34.	45.	2.	0.02	11.	0.	43.	-0.
20461	STIG10	RESIDU	0.	-2.771	0.	0.913	0.22	-1790.	-1108.	-73.	-626.	823.	34.	0.06	296.	327.	35.	-37.
20461	STIG1S	RESIDU	0.	-0.144	0.	0.057	0.08	-98.	-58.	-3.	-35.	48.	3.	0.02	14.	0.	38.	0.
20461	STIG1S	RESIDU	0.	-1.552	0.	0.610	0.23	-1059.	-621.	-36.	-375.	515.	30.	0.07	177.	184.	34.	-1[illegible]
20461	DEADV3	RESIDU	0.	-0.121	0.	0.079	0.11	-146.	-49.	-11.	-83.	58.	-4.	-0.05	4.	0.	46.	0.
20461	DEADV3	RESIDU	0.	-1.200	0.	0.785	0.31	-1447.	-480.	-105.	-818.	569.	-36.	-0.12	66.	167.	41.	-19.
20461	DEHTPM	RESIDU	0.	-0.085	0.	0.116	0.16	-135.	-34.	-9.	-71.	73.	-0.	0.00	5.	0.	39.	1.
20461	DEHTPM	RESIDU	0.	-0.478	0.	0.651	0.40	-761.	-191.	-50.	-401.	412.	-2.	0.01	43.	87.	34.	-1.
20461	DESOA3	DISTIL	-0.132	0.	-0.132	0.201	0.10	-293.	88.	4.	-232.	178.	-10.	-0.15	-0.	0.	59.	-6.
20461	DESOA3	DISTIL	-1.465	0.	-1.465	2.230	0.28	-3699.	-129.	4.	-2997.	1032.	57.	-0.82	22.	190.	54.	-49.
20461	DESOA3	RESIDU	-0.132	0.	-0.132	0.201	0.10	-715.	-50.	1.	-650.	60.	11.	-1.32	-0.	0.	54.	-1.
20461	DESOA3	RESIDU	-1.465	0.	-1.465	2.230	0.28	-7949.	-552.	-12.	-7231.	668.	120.	-2.77	22.	190.	49.	-33.
20461	GTSOAD	DISTIL	-0.097	0.	-0.097	0.201	0.15	-41.	-16.	0.	23.	91.	8.	0.38	15.	0.	31.	-3.
20461	GTSOAD	DISTIL	-0.402	0.	-0.402	0.833	0.32	-170.	-65.	0.	95.	378.	33.	0.56	77.	59.	26.	-4.
20461	GTRA08	DISTIL	0.	-0.100	0.	0.100	0.14	8.	32.	15.	76.	157.	48.	0.44	12.	0.	36.	-3.
20461	GTRA08	DISTIL	0.	-0.643	0.	0.645	0.36	-263.	-120.	6.	136.	600.	103.	0.51	98.	102.	31.	-9.
20461	GTRA12	DISTIL	0.	-0.099	0.	0.102	0.14	8.	33.	15.	77.	158.	48.	0.44	12.	0.	36.	-3.
20461	GTRA12	DISTIL	0.	-0.630	0.	0.647	0.36	-278.	-117.	6.	137.	597.	102.	0.51	97.	101.	31.	-8.
20461	GTRA16	DISTIL	0.	-0.099	0.	0.102	0.14	7.	33.	15.	76.	158.	48.	0.44	11.	0.	37.	-3.
20451	GTRA16	DISTIL	0.	-0.594	0.	0.612	0.36	-263.	-107.	7.	129.	568.	99.	0.51	88.	94.	31.	-8.
20461	GTR208	DISTIL	0.	-0.099	0.	0.101	0.14	4.	33.	15.	73.	158.	48.	0.44	13.	0.	35.	-3.
20451	GTR208	DISTIL	0.	-0.504	0.	0.512	0.34	-227.	-81.	8.	103.	489.	89.	0.49	82.	76.	30.	-6.
20461	GTR212	DISTIL	0.	-0.100	0.	0.100	0.14	5.	32.	15.	74.	157.	48.	0.44	13.	0.	35.	-3.
20461	GTR212	DISTIL	0.	-0.546	0.	0.545	0.34	-244.	-93.	8.	111.	519.	93.	0.49	86.	83.	30.	-7.
20461	GTR216	DISTIL	0.	-0.098	0.	0.102	0.14	6.	33.	15.	75.	158.	48.	0.44	12.	0.	36.	-3.

ISE PEG AES COGENERATION TECHNOLOGY ALTERNATIVES STUDY
FUEL UNITS = REPORT 6.1 FUEL AND EMISSIONS SAVINGS (SAVINGS ARE
EMISSION UNITS= TIME 1990 LEVEL ALL
COST =$*10**9 TYPE MATCH=HEAT

PROCS	ECS	ECS FUEL	****DIRECT FUEL SAVINGS**** OIL+GAS	COAL	----TOTAL FUEL SAVINGS---- OIL+GAS	COAL	---DIRECT EMISSIONS SAVINGS--- NOX	SOX	PART	---TOTAL EMISSIONS SAVINGS--- NOX	SOX	PART	EMSR	CAPITL SAVING	ELECTRIC POWER TOTAL EXPORT MWH	COST	LAEC SAVED
20461	GTR216	DISTIL	0.	-0.547	0.	0.568	0.35	-245.	-93.	8.	118.	532.	94.	0.50	84.	86.	31.	-7.
20461	GTRW08	DISTIL	0.	-0.117	0.	0.084	0.12	3.	28.	15.	72.	153.	47.	0.43	12.	0.	39.	-4.
20461	GTRW08	DISTIL	0.	-0.903	0.	0.649	0.31	-387.	-193.	2.	116.	670.	114.	0.48	126.	127.	33.	-15.
20461	GTRW12	DISTIL	0.	-0.112	0.	0.088	0.12	6.	29.	15.	74.	154.	47.	0.43	12.	0.	38.	-4.
20461	GTRW12	DISTIL	0.	-0.896	0.	0.705	0.33	-384.	-191.	2.	135.	699.	117.	0.49	130.	131.	32.	-14.
20461	GTRW16	DISTIL	0.	-0.112	0.	0.089	0.12	5.	29.	15.	74.	154.	47.	0.43	12.	0.	39.	-4.
20461	GTRW16	DISTIL	0.	-0.836	0.	0.668	0.33	-360.	-175.	3.	128.	663.	112.	0.49	119.	122.	32.	-13.
20461	GTR308	DISTIL	0.	-0.119	0.	0.081	0.11	-1.	27.	15.	67.	152.	47.	0.42	13.	0.	39.	-4.
20461	GTR308	DISTIL	0.	-0.693	0.	0.474	0.28	-303.	-135.	5.	77.	519.	95.	0.45	96.	91.	33.	-12.
20461	GTR312	DISTIL	0.	-0.111	0.	0.090	0.13	4.	29.	15.	72.	154.	47.	0.43	13.	0.	37.	-3.
20461	GTR312	DISTIL	0.	-0.742	0.	0.598	0.32	-322.	-148.	4.	113.	600.	104.	0.48	111.	107.	31.	-11.
20461	GTR316	DISTIL	0.	-0.112	0.	0.089	0.12	4.	29.	15.	72.	154.	47.	0.43	13.	0.	38.	-4.
20461	GTR316	DISTIL	0.	-0.735	0.	0.586	0.32	-319.	-146.	4.	109.	591.	103.	0.48	107.	105.	32.	-11.
20461	FCPADS	DISTIL	0.	-0.135	0.	0.065	0.09	36.	70.	17.	105.	195.	50.	0.55	3.	0.	66	-8.
20461	FCPADS	DISTIL	0.	-2.047	0.	0.991	0.28	-320.	205.	26.	661.	1882.	226.	0.85	123.	266.	58.	-87.
20461	FCMCDS	DISTIL	0.	-0.113	0.	0.087	0.12	-46.	72.	15.	22.	197.	48.	0.42	1.	0.	62.	-7.
20461	FCMCDS	DISTIL	0.	-1.355	0.	1.048	0.36	-1230.	202.	-2.	-453.	1532.	160.	0.46	85.	207.	54.	-57.
20631	STM141	RESIDU	0.	-0.005	0.	0.009	0.10	-2.	-2.	-0.	3.	5.	0.	0.10	4.	0.	23.	0.
20631	STM141	RESIDU	0.	-0.030	0.	0.049	0.31	-10.	-12.	-1.	15.	30.	2.	0.33	17.	6.	27.	0.
20631	STM141	COAL-F	0.	-0.005	0.	0.009	0.10	-2.	-19.	-0.	3.	-9.	4.	-0.02	-11.	0.	314.	-1.
20631	STM141	COAL-F	0.	-0.030	0.	0.049	0.31	-10.	-33.	-1.	16.	12.	6.	0.24	4.	6.	67.	-0.
20631	STM141	COAL-A	0.	-0.005	0.	0.009	0.10	16.	-19.	-0.	21.	-9.	4.	0.20	-9.	0.	283.	-1.
20631	STM141	COAL-A	0.	-0.030	0.	0.049	0.31	13.	-33.	-1.	39.	12.	6.	0.40	12.	6.	41.	1.
20631	STM088	RESIDU	0.	-0.005	0.	0.009	0.10	-2.	-2.	-0.	3.	5.	0.	0.10	4.	0.	20.	0.
20631	STM088	RESIDU	0.	-0.024	0.	0.039	0.28	-8.	-9.	-1.	12.	24.	2.	0.30	14.	5.	25.	0.
20631	STM088	COAL-F	0.	-0.005	0.	0.009	0.10	-2.	-19.	-0.	3.	-9.	4.	-0.02	-11.	0.	315.	-1.
20631	STM088	COAL-F	0.	-0.024	0.	0.039	0.28	-8.	-30.	-1.	12.	7.	6.	0.20	2.	5.	75.	-0.
20631	STM038	COAL-A	0.	-0.005	0.	0.009	0.10	15.	-19.	-0.	21.	-9.	4.	0.20	-9.	0.	282.	-1.
20631	STM088	COAL-A	0.	-0.024	0.	0.039	0.28	14.	-30.	-1.	34.	7.	6.	0.37	9.	5.	46.	1.
20631	PFBSTM	COAL-P	0.	-0.005	0.	0.009	0.09	16.	-19.	-0.	21.	-9.	4.	0.20	-10.	0.	306.	-1.
20631	PFBSTM	COAL-P	0.	-0.044	0.	0.071	0.37	18.	-42.	2.	56.	23.	12.	0.52	8.	9.	63.	-1.
20631	TISTMT	RESIDU	0.	-0.005	0.	0.009	0.09	-2.	-2.	-0.	3.	5.	0.	0.10	-6.	0.	210.	-1.
20631	TISTMT	RESIDU	0.	-0.045	0.	0.071	0.37	-16.	-18.	-2.	21.	44.	3.	0.39	-29.	10.	146.	-7.
20631	TISTMT	COAL	0.	-0.005	0.	0.009	0.09	-2.	-19.	-0.	3.	-9.	4.	-0.02	-20.	0.	481.	-2.
20631	TISTMT	COAL	0.	-0.057	0.	0.091	0.40	-20.	-50.	-3.	28.	33.	9.	0.34	-54.	13.	170.	-10.
20631	TIHRSG	RESIDU	0.	-0.006	0.	0.008	0.08	-2.	-3.	-0.	2.	5.	0.	0.09	-14.	0.	339.	-2.
20631	TIHRSG	RESIDU	0.	-0.020	0.	0.023	0.19	-7.	-8.	-1.	7.	15.	1.	0.21	-34.	3.	287.	-6.
20631	TIHRSG	COAL	0.	-0.006	0.	0.008	0.08	-2.	-19.	-0.	3.	-9.	4.	-0.04	-30.	0.	663.	-4.
20631	TIHRSG	COAL	0.	-0.025	0.	0.030	0.22	-9.	-31.	-1.	9.	2.	5.	0.14	-58.	4.	389.	-8.
20631	STIRL	DISTIL	0.	-0.008	0.	0.006	0.07	8.	7.	2.	13.	17.	6.	0.44	2.	0.	74.	-1.
20631	STIRL	DISTIL	0.	-0.068	0.	0.058	0.28	-6.	-10.	1.	35.	61.	12.	0.58	15.	11.	64.	-4.
20631	STIRL	RESIDU	0.	-0.008	0.	0.006	0.07	-3.	-3.	-0.	2.	4.	0.	0.08	2.	0.	70.	-0.
20631	STIRL	RESIDU	0.	-0.068	0.	0.058	0.28	-24.	-27.	-7.	16.	40.	-2.	0.29	15.	11.	60.	-2.
20631	STIRL	COAL	0.	-0.008	0.	0.006	0.07	-3.	-20.	-0.	2.	-10.	4.	-0.05	-11.	0.	317.	-1.
20631	STIRL	COAL	0.	-0.087	0.	0.074	0.31	-31.	-68.	-4.	22.	23.	8.	0.24	-7.	14.	93.	-4.
20631	HEGT85	COAL-A	0.	-0.010	0.	0.005	0.05	15.	-21.	-0.	21.	-11.	3.	0.16	-17.	0.	417.	-2.

ISE PEG AES COGENERATION TECHNOLOGY ALTERNATIVES STUDY
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COST =$*10**9 TYPE MATCH=HEAT

PROCS	ECS	ECS FUEL	FUEL SAVINGS DIRECT OIL+GAS	FUEL SAVINGS DIRECT COAL	FUEL SAVINGS TOTAL OIL+GAS	FUEL SAVINGS TOTAL COAL	FESR	EMISSIONS SAVINGS DIRECT NOX	EMISSIONS SAVINGS DIRECT SOX	EMISSIONS SAVINGS DIRECT PART	EMISSIONS SAVINGS TOTAL NOX	EMISSIONS SAVINGS TOTAL SOX	EMISSIONS SAVINGS TOTAL PART	EMSR	CAPITL SAVING	ELECTRIC POWER TOTAL EXPORT MWH	ELECTRIC POWER COST	ELECTRIC POWER LAEC SAVED
20631	HEGT85	COAL-A	0.	-0.211	0.	0.100	0.26	-25.	-142.	-11.	75.	30.	11.	0.33	-38.	28.	114.	-13.
20631	HEGT60	COAL-A	0.	-0.010	0.	0.004	0.05	15.	-21.	-0.	21.	-11.	3.	0.16	-16.	0.	411.	-2.
20631	HEGT60	COAL-A	0.	-0.123	0.	0.057	0.22	-9.	-89.	-6.	49.	11.	8.	0.29	-30.	16.	125.	-8.
20631	HEGT00	COAL-A	0.	-0.010	0.	0.004	0.04	15.	-22.	-0.	20.	-12.	3.	0.15	-16.	0.	403.	-2.
20631	HEGT00	COAL-A	0.	-0.063	0.	0.026	0.16	2.	-54.	-3.	31.	-2.	5.	0.22	-21.	7.	143.	-4.
20631	FCMCCL	COAL	0.	-0.099	0.	0.069	0.28	27.	31.	3.	82.	125.	17.	1.00	-14.	14.	104.	-6.
20631	FCSTCL	COAL	0.	-0.153	0.	0.145	0.39	27.	31.	3.	123.	196.	24.	1.00	-8.	27.	81.	-7.
20631	IGGTST	COAL	0.	-0.137	0.	0.076	0.26	-48.	-98.	3.	21.	21.	19.	0.23	-2.	19.	85.	-5.
20631	GTSOAR	RESIDU	-0.007	0.	-0.007	0.014	0.07	-1.	-3.	-0.	4.	5.	1.	0.18	-2.	0.	55.	-0.
20631	GTSOAR	RESIDU	-0.068	0.	-0.068	0.132	0.31	-25.	-25.	-1.	18.	47.	7.	0.44	24.	11.	41.	-1.
20631	GTAC08	RESIDU	0.	-0.007	0.	0.007	0.08	-2.	-3.	-0.	2.	5.	0.	0.09	3.	0.	44.	-0.
20631	GTAC08	RESIDU	0.	-0.052	0.	0.057	0.31	-45.	-21.	-5.	-11.	38.	-1.	0.15	22.	9.	36.	-1.
20631	GTAC12	RESIDU	0.	-0.007	0.	0.007	0.08	-2.	-3.	-0.	2.	5.	0.	0.09	3.	0.	43.	0.
20631	GTAC12	RESIDU	0.	-0.062	0.	0.071	0.34	-51.	-25.	-6.	-9.	46.	-1.	0.19	25.	11.	37.	-1.
20631	GTAC16	RESIDU	0.	-0.007	0.	0.007	0.08	-2.	-3.	-0.	2.	5.	0.	0.09	3.	0.	45.	-0.
20631	GTAC16	RESIDU	0.	-0.069	0.	0.079	0.35	-56.	-28.	-7.	-8.	51.	-1.	0.20	27.	13.	39.	-1.
20631	GTWC16	RESIDU	0.	-0.007	0.	0.007	0.07	-3.	-3.	-0.	2.	4.	0.	0.08	3.	0.	53.	-0.
20631	GTWC16	RESIDU	0.	-0.086	0.	0.075	0.31	-66.	-34.	-8.	-14.	51.	-2.	0.16	31.	14.	40.	-1.
20631	CC1625	RESIDU	0.	-0.007	0.	0.007	0.07	-3.	-3.	-0.	2.	4.	0.	0.08	3.	0.	56.	-0.
20631	CC1626	RESIDU	0.	-0.153	0.	0.136	0.37	-106.	-61.	-13.	-14.	93.	-2.	0.23	55.	26.	40.	-3.
20631	CC1622	RESIDU	0.	-0.007	0.	0.007	0.08	-2.	-3.	-0.	2.	5.	0.	0.08	3.	0.	50.	-0.
20631	CC1622	RESIDU	0.	-0.132	0.	0.129	0.38	-93.	-53.	-12.	-10.	86.	-1.	0.24	48.	23.	41.	-2.
20631	CC1222	RESIDU	0.	-0.007	0.	0.007	0.08	-2.	-3.	-0.	2.	5.	0.	0.08	3.	0.	48.	-0.
20631	CC1222	RESIDU	0.	-0.131	0.	0.130	0.38	-93.	-52.	-12.	-10.	86.	-1.	0.24	49.	23.	39.	-2.
20631	CC0822	RESIDU	0.	-0.007	0.	0.007	0.08	-2.	-3.	-0.	2.	5.	0.	0.09	3.	0.	50.	-0.
20631	CC0822	RESIDU	0.	-0.099	0.	0.112	0.39	-73.	-39.	-9.	-6.	73.	-1.	0.25	41.	18.	37.	-1.
20631	STIG15	RESIDU	0.	-0.012	0.	0.002	0.03	-4.	-5.	-1.	0.	3.	-0.	0.03	-0.	0.	113.	-1.
20631	STIG15	RESIDU	0.	-5.005	0.	1.047	0.17	-3017.	-2002.	-149.	-1108.	1158.	9.	0.01	1123.	566.	51.	-123.
20631	STIG10	RESIDU	0.	-0.011	0.	0.003	0.04	-4.	-4.	-1.	1.	3.	-0.	0.05	3.	0.	53.	-0.
20631	STIG10	RESIDU	0.	-0.421	0.	0.139	0.22	-267.	-168.	-12.	-90.	125.	5.	0.07	106.	51.	46.	-10.
20631	STIG1S	RESIDU	0.	-0.010	0.	0.004	0.04	-4.	-4.	-1.	1.	3.	-0.	0.05	3.	0.	51.	-0.
20631	STIG1S	RESIDU	0.	-0.236	0.	0.093	0.23	-156.	-94.	-6.	-52.	78.	4.	0.08	61.	29.	47.	-5.
20631	DEADV3	RESIDU	0.	-0.008	0.	0.006	0.06	-3.	-3.	-0.	1.	4.	0.	0.07	-0.	0.	108.	-1.
20631	DEADV3	RESIDU	0.	-0.182	0.	0.119	0.31	-207.	-73.	-15.	-111.	87.	-5.	-0.09	23.	27.	71.	-8.
20631	DEHTPM	RESIDU	0.	-0.006	0.	0.008	0.09	-2.	-2.	-0.	2.	5.	0.	0.10	-0.	0.	101.	-0.
20631	DEHTPM	RESIDU	0.	-0.073	0.	0.099	0.40	-103.	-29.	-7.	-48.	63.	0.	0.06	15.	15.	62.	-3.
20631	DESOA3	DISTIL	-0.009	0.	-0.009	0.014	0.05	6.	15.	1.	10.	20.	-2.	0.55	0.	0.	100.	-1.
20631	DESOA3	DISTIL	-0.223	0.	-0.223	0.339	0.28	-522.	-20.	1.	-415.	157.	9.	-0.71	7.	30.	91.	-14.
20631	DESOA3	RESIDU	-0.009	0.	-0.009	0.014	0.05	-1.	-3.	-0.	4.	4.	1.	0.16	0.	0.	95.	-0.
20631	DESOA3	RESIDU	-0.223	0.	-0.223	0.339	0.28	-1123.	-84.	-2.	-1014.	101.	18.	-2.54	7.	30.	86.	-12.
20631	GTSOAD	DISTIL	-0.007	0.	-0.007	0.014	0.08	-0.	-1.	0.	4.	6.	1.	0.33	3.	0.	44.	-1.
20631	GTSOAD	DISTIL	-0.061	0.	-0.061	0.127	0.32	-22.	-10.	0.	18.	58.	5.	0.58	26.	11.	38.	-2.
20631	GTRA08	DISTIL	0.	-0.007	0.	0.007	0.08	8.	7.	2.	13.	17.	6.	0.45	2.	0.	61.	-1.
20631	GTRA08	DISTIL	0.	-0.098	0.	0.098	0.36	-39.	-18.	1.	24.	91.	16.	0.52	33.	17.	48.	-3.
20631	GTRA12	DISTIL	0.	-0.007	0.	0.007	0.08	8.	7.	2.	13.	17.	6.	0.45	2.	0.	59.	-1.
20631	GTRA12	DISTIL	0.	-0.096	0.	0.098	0.36	-39.	-18.	1.	24.	91.	16.	0.53	34.	17.	46.	-3.

ISE PEO AES COGENERATION TECHNOLOGY ALTERNATIVES STUDY
FUEL UNITS = REPORT 6.1 FUEL AND EMISSIONS SAVINGS (SAVINGS ARE
EMISSION UNITS= TIME 1990 LEVEL ALL
COST =$*10**9 TYPE MATCH=POWR

PROCS	ECS	ECS FUEL	FUEL SAVINGS DIRECT OIL+GAS	FUEL SAVINGS DIRECT COAL	FUEL SAVINGS TOTAL OIL+GAS	FUEL SAVINGS TOTAL COAL	FESR	EMISSIONS SAVINGS DIRECT NOX	EMISSIONS SAVINGS DIRECT SOX	EMISSIONS SAVINGS DIRECT PART	EMISSIONS SAVINGS TOTAL NOX	EMISSIONS SAVINGS TOTAL SOX	EMISSIONS SAVINGS TOTAL PART	EMSR	CAPITL SAVING	ELECTRIC POWER TOTAL EXPORT MWH	ELECTRIC POWER COST	ELEC SAVED
20631	GTRA16	DISTIL	0.	-0.007	0.	0.007	0.08	8.	7.	2.	13.	17.	6.	0.45	2.	0.	63.	-1.
20631	GTRA16	DISTIL	0.	-0.090	0.	0.093	0.36	-36.	-16.	1.	23.	86.	15.	0.52	30.	16.	48.	-3.
20631	GTR208	DISTIL	0.	-0.007	0.	0.007	0.08	8.	7.	2.	13.	17.	6.	0.45	2.	0.	55.	-1.
20631	GTR208	DISTIL	0.	-0.077	0.	0.078	0.34	-31.	-12.	1.	19.	74.	14.	0.51	28.	13.	44.	-2.
20631	GTR212	DISTIL	0.	-0.007	0.	0.007	0.08	8.	7.	2.	13.	17.	6.	0.45	2.	0.	58.	-1.
20631	GTR212	DISTIL	0.	-0.083	0.	0.083	0.34	-33.	-14.	1.	20.	79.	14.	0.51	30.	14.	45.	-3.
20631	GTR216	DISTIL	0.	-0.007	0.	0.007	0.08	8.	7.	2.	13.	17.	6.	0.45	2.	0.	59.	-1.
20631	GTR216	DISTIL	0.	-0.083	0.	0.086	0.35	-34.	-14.	1.	22.	81.	14.	0.52	29.	15.	47.	-3.
20631	GTRW08	DISTIL	0.	-0.008	0.	0.006	0.06	7.	7.	2.	13.	17.	6.	0.44	2.	0.	66.	-1.
20631	GTRW08	DISTIL	0.	-0.137	0.	0.099	0.31	-55.	-29.	0.	21.	102.	17.	0.49	43.	21.	47.	-4.
20631	GTRW12	DISTIL	0.	-0.008	0.	0.006	0.07	8.	7.	2.	13.	17.	6.	0.44	2.	0.	64.	-1.
20631	GTRW12	DISTIL	0.	-0.136	0.	0.107	0.33	-55.	-29.	0.	24.	106.	18.	0.50	45.	21.	46.	-4.
20631	GTRW16	DISTIL	0.	-0.008	0.	0.006	0.07	8.	7.	2.	13.	17.	6.	0.44	2.	0.	67.	-1.
20631	GTRW16	DISTIL	0.	-0.127	0.	0.101	0.33	-51.	-27.	0.	23.	101.	17.	0.50	41.	20.	47.	-4.
20631	GTR308	DISTIL	0.	-0.008	0.	0.006	0.06	7.	7.	2.	13.	17.	6.	0.44	2.	0.	51.	-1.
20631	GTR308	DISTIL	0.	-0.105	0.	0.072	0.28	-42.	-20.	1.	15.	79.	14.	0.47	33.	15.	47.	-3.
20631	GTR312	DISTIL	0.	-0.008	0.	0.006	0.07	8.	7.	2.	13.	17.	6.	0.44	2.	0.	60.	-1.
20631	GTR312	DISTIL	0.	-0.113	0.	0.091	0.32	-45.	-23.	1.	21.	91.	16.	0.50	38.	18.	45.	-3.
20631	GTR316	DISTIL	0.	-0.008	0.	0.006	0.07	8.	7.	2.	13.	17.	6.	0.44	2.	0.	64.	-1.
20631	GTR316	DISTIL	0.	-0.112	0.	0.089	0.32	-45.	-22.	1.	20.	90.	16.	0.49	37.	17.	47.	-4.
20631	FCPADS	DISTIL	0.	-0.009	0.	0.005	0.05	7.	7.	2.	12.	17.	6.	0.43	1.	0.	88.	-1.
20631	FCPADS	DISTIL	0.	-0.311	0.	0.151	0.28	-49.	25.	4.	100.	280.	34.	0.83	43.	42.	84.	-20.
20631	FCMCDS	DISTIL	0.	-0.008	0.	0.006	0.07	8.	7.	2.	13.	17.	6.	0.44	1.	0.	86.	-1.
20631	FCMCDS	DISTIL	0.	-0.206	0.	0.159	0.36	-176.	25.	-0.	-58.	227.	24.	0.48	30.	33.	81.	-14.
20821	STM141	RESIDU	0.	-0.016	0.	0.027	0.24	-6.	-6.	-1.	8.	16.	1.	0.26	1.	0.	38.	0.
20821	STM141	RESIDU	0.	-0.020	0.	0.033	0.28	-7.	-8.	-1.	10.	21.	1.	0.29	3.	1.	29.	1.
20821	STM141	COAL-F	0.	-0.016	0.	0.027	0.24	-6.	-23.	-1.	9.	2.	4.	0.16	-5.	0.	80.	0.
20821	STM141	COAL-F	0.	-0.020	0.	0.033	0.28	-7.	-25.	-1.	11.	6.	5.	0.20	-3.	1.	55.	1.
20821	STM141	COAL-A	0.	-0.016	0.	0.027	0.24	12.	-23.	-1.	26.	2.	4.	0.34	-3.	0.	67.	1.
20821	STM141	COAL-A	0.	-0.020	0.	0.033	0.28	12.	-25.	-1.	29.	6.	5.	0.37	-0.	1.	43.	1.
20821	STM088	RESIDU	0.	-0.016	0.	0.026	0.24	-6.	-6.	-1.	8.	16.	1.	0.26	2.	0.	30.	1.
20821	STM088	COAL-F	0.	-0.016	0.	0.026	0.24	-6.	-23.	-1.	8.	2.	4.	0.15	-3.	0.	82.	1.
20821	STM088	COAL-A	0.	-0.016	0.	0.026	0.24	12.	-23.	-1.	26.	2.	4.	0.33	-1.	0.	49.	1.
20821	PFBSTM	COAL-P	0.	-0.016	0.	0.026	0.24	15.	-23.	1.	30.	2.	5.	0.39	-7.	0.	92.	0.
20821	PFBSTM	COAL-P	0.	-0.030	0.	0.048	0.33	16.	-31.	2.	42.	13.	9.	0.49	-3.	3.	52.	1.
20821	TISTMT	RESIDU	0.	-0.016	0.	0.026	0.24	-5.	-7.	-1.	8.	16.	1.	0.25	-11.	0.	115.	-1.
20821	TISTMT	RESIDU	0.	-0.038	0.	0.061	0.37	-13.	-15.	-2.	18.	38.	2.	0.39	-18.	5.	89.	-3.
20821	TISTMT	COAL	0.	-0.016	0.	0.026	0.24	-6.	-23.	-1.	8.	2.	4.	0.15	-20.	0.	167.	-2.
20621	TISTMT	COAL	0.	-0.038	0.	0.061	0.37	-13.	-36.	-2.	19.	20.	7.	0.30	-27.	5.	109.	-3.
20821	TIHRSG	RESIDU	0.	-0.017	0.	0.020	0.18	-6.	-7.	-1.	6.	13.	1.	0.20	-18.	0.	155.	-2.
20821	TIHRSG	COAL	0.	-0.017	0.	0.020	0.18	-6.	-23.	-1.	6.	-1.	4.	0.09	-26.	0.	197.	-2.
20821	STIRL	DISTIL	0.	-0.020	0.	0.022	0.20	3.	2.	2.	18.	27.	7.	0.53	1.	0.	45.	-1.
20821	STIRL	DISTIL	0.	-0.058	0.	0.065	0.34	-5.	-9.	1.	35.	61.	11.	0.62	7.	8.	36.	-1.
20821	STIRL	RESIDU	0.	-0.020	0.	0.022	0.20	-7.	-8.	-2.	6.	15.	-0.	0.21	1.	0.	42.	0.
20821	STIRL	RESIDU	0.	-0.058	0.	0.065	0.34	-20.	-23.	-6.	19.	42.	-1.	0.35	7.	8.	32.	0.
20821	STIRL	COAL	0.	-0.020	0.	0.022	0.20	-7.	-25.	-1.	7.	-0.	4.	0.11	-6.	0.	83.	0.

ISE PEG AES COGENERATION TECHNOLOGY ALTERNATIVES STUDY
FUEL UNITS = REPORT 6.1 FUEL AND EMISSIONS SAVINGS (SAVINGS ARE
EMISSION UNITS= TIME 1990 LEVEL ALL
COST =$*10**9 TYPE MATCH=HEAT

PROCS	ECS	ECS FUEL	FUEL SAVINGS DIRECT		FUEL SAVINGS TOTAL		FESR	EMISSIONS SAVINGS DIRECT			EMISSIONS SAVINGS TOTAL			EMSR	CAPITL SAVING	ELECTRIC POWER TOTAL EXPORT MWH	COST	LAEC SAVED
			OIL+GAS	COAL	OIL+GAS	COAL	COAL	NOX	SOX	PART	NOX	SOX	PART					
20821	STIRL	COAL	0.	-0.058	0.	0.065	0.34	-20.	-48.	-3.	20.	21.	7.	0.28	-1.	8.	43.	1.
20821	HEGT85	COAL-A	0.	-0.021	0.	0.021	0.20	10.	-26.	-1.	24.	-1.	4.	0.28	-16.	0.	141.	-1.
20321	HEGT85	COAL-A	0.	-0.066	0.	0.067	0.34	-1.	-53.	-3.	43.	22.	7.	0.39	-21.	8.	80.	-2.
20821	HEGT60	COAL-A	0.	-0.029	0.	0.013	0.12	8.	-31.	-1.	22.	-6.	4.	0.21	-16.	0.	145.	-1.
20821	HEGT60	COAL-A	0.	-0.083	0.	0.038	0.20	-4.	-63.	-4.	36.	5.	6.	0.27	-20.	7.	86.	-2.
20821	HEGT00	COAL-A	0.	-0.030	0.	0.012	0.11	7.	-31.	-2.	21.	-6.	4.	0.19	-14.	0.	133.	-1.
20821	HEGT00	COAL-A	0.	-0.043	0.	0.018	0.14	4.	-39.	-2.	23.	-4.	4.	0.20	-13.	2.	101.	-1.
20821	FCMCCL	COAL	0.	-0.020	0.	0.023	0.21	9.	2.	1.	23.	27.	6.	0.57	-13.	0.	126.	-1.
20821	FCMCCL	COAL	0.	-0.053	0.	0.061	0.34	23.	27.	3.	60.	91.	12.	1.00	-12.	7.	70.	-1.
20821	FCSTCL	COAL	0.	-0.019	0.	0.024	0.22	5.	-5.	1.	19.	20.	6.	0.46	-12.	0.	123.	-1.
20821	FCSTCL	COAL	0.	-0.088	0.	0.112	0.42	23.	27.	3.	88.	138.	17.	1.00	-11.	15.	55.	-1.
20821	IGGTST	COAL	0.	-0.023	0.	0.019	0.18	-8.	-27.	1.	6.	-2.	6.	0.10	-12.	0.	126.	-1.
20821	IGGTST	COAL	0.	-0.078	0.	0.066	0.31	-27.	-60.	3.	19.	20.	14.	0.28	-11.	9.	61.	-1.
20821	GTSOAR	RESIDU	-0.022	0.	-0.022	0.043	0.19	-9.	-8.	-0.	5.	15.	2.	0.30	1.	0.	45.	0.
20821	GTSOAR	RESIDU	-0.058	0.	-0.058	0.113	0.31	-24.	-22.	-0.	13.	40.	6.	0.43	7.	7.	32.	0.
20821	GTAC08	RESIDU	0.	-0.020	0.	0.022	0.20	-20.	-8.	-2.	-6.	15.	-1.	0.08	2.	0.	40.	0.
20821	GTAC08	RESIDU	0.	-0.045	0.	0.049	0.31	-44.	-18.	-5.	-14.	32.	-1.	0.12	6.	5.	28.	0.
20821	GTAC12	RESIDU	0.	-0.020	0.	0.023	0.21	-18.	-8.	-2.	-5.	15.	-0.	0.10	1.	0.	40.	0.
20821	GTAC12	RESIDU	0.	-0.053	0.	0.061	0.34	-49.	-21.	-6.	-12.	40.	-1.	0.16	8.	7.	28.	0.
20821	GTAC16	RESIDU	0.	-0.020	0.	0.023	0.21	-17.	-8.	-2.	-4.	15.	-0.	0.11	1.	0.	41.	0.
20821	GTAC16	RESIDU	0.	-0.060	0.	0.068	0.35	-52.	-24.	-6.	-12.	44.	-1.	0.18	8.	8.	29.	0.
20821	GTWC16	RESIDU	0.	-0.023	0.	0.020	0.18	-19.	-9.	-2.	-5.	13.	-1.	0.08	1.	0.	46.	0.
20821	GTWC16	RESIDU	0.	-0.074	0.	0.065	0.31	-61.	-30.	-7.	-17.	44.	-2.	0.13	9.	9.	32.	-0.
20821	CC1626	RESIDU	0.	-0.022	0.	0.020	0.18	-16.	-9.	-2.	-3.	14.	-0.	0.11	1.	0.	48.	-0.
20821	CC1626	RESIDU	0.	-0.132	0.	0.117	0.37	-96.	-53.	-12.	-17.	79.	-2.	0.21	16.	19.	31.	-1.
20821	CC1622	RESIDU	0.	-0.022	0.	0.021	0.19	-16.	-9.	-2.	-3.	14.	-0.	0.11	1.	0.	46.	0.
20821	CC1622	RESIDU	0.	-0.114	0.	0.111	0.38	-85.	-45.	-10.	-14.	74.	-2.	0.22	14.	17.	31.	-0.
20821	CC1222	RESIDU	0.	-0.021	0.	0.021	0.19	-16.	-9.	-2.	-2.	14.	-0.	0.12	1.	0.	45.	0.
20821	CC1222	RESIDU	0.	-0.113	0.	0.112	0.38	-84.	-45.	-10.	-13.	74.	-2.	0.22	15.	17.	30.	-0.
20821	CC0822	RESIDU	0.	-0.020	0.	0.023	0.21	-16.	-8.	-2.	-2.	15.	-0.	0.12	1.	0.	45.	0.
20821	CC0822	RESIDU	0.	-0.085	0.	0.096	0.39	-68.	-34.	-8.	-10.	63.	-1.	0.23	12.	13.	29.	0.
20821	STIG15	RESIDU	0.	-0.035	0.	0.007	0.07	-21.	-14.	-1.	-8.	8.	0.	0.00	1.	0.	58.	-0.
20821	STIG15	RESIDU	0.	-4.299	0.	0.899	0.17	-2596.	-1720.	-128.	-956.	994.	8.	0.01	398.	484.	39.	-74.
20821	STIG10	RESIDU	0.	-0.032	0.	0.011	0.10	-21.	-13.	-1.	-7.	9.	0.	0.03	1.	0.	53.	-0.
20821	STIG10	RESIDU	0.	-0.362	0.	0.119	0.22	-234.	-145.	-10.	-82.	107.	4.	0.06	35.	41.	37.	-5.
20821	STIG1S	RESIDU	0.	-0.031	0.	0.012	0.11	-21.	-12.	-1.	-7.	10.	1.	0.03	1.	0.	51.	-0.
20821	STIG1S	RESIDU	0.	-0.202	0.	0.080	0.23	-138.	-81.	-5.	-49.	67.	4.	0.07	20.	22.	37.	-3.
20821	DEADV3	RESIDU	0.	-0.021	0.	0.022	0.20	-29.	-8.	-2.	-16.	14.	-0.	-0.02	-1.	0.	56.	-0.
20821	DEADV3	RESIDU	0.	-0.085	0.	0.091	0.37	-121.	-34.	-8.	-65.	60.	-1.	-0.03	6.	13.	37.	-1.
20821	DEHTPM	RESIDU	0.	-0.018	0.	0.025	0.22	-29.	-7.	-2.	-15.	16.	-0.	0.00	-1.	0.	54.	-0.
20821	DEHTPM	RESIDU	0.	-0.062	0.	0.085	0.40	-99.	-25.	-7.	-52.	54.	-0.	0.01	5.	10.	35.	-0.
20821	DESOA3	DISTIL	-0.021	0.	-0.021	0.043	0.19	-66.	11.	1.	-52.	31.	-0.	-0.30	-0.	0.	57.	-1.
20821	DESOA3	DISTIL	-0.088	0.	-0.088	0.175	0.36	-288.	-0.	1.	-232.	91.	5.	-0.70	2.	12.	48.	-3.
20821	DESOA3	RESIDU	-0.021	0.	-0.021	0.043	0.19	-151.	-8.	-0.	-137.	15.	2.	-1.65	-0.	0.	53.	-0.
20321	DESOA3	RESIDU	-0.088	0.	-0.088	0.175	0.36	-621.	-33.	-1.	-565.	62.	10.	-2.52	2.	12.	44.	-1.
20821	GTSOAD	DISTIL	-0.020	0.	-0.020	0.043	0.20	-9.	-3.	0.	5.	19.	2.	0.45	2.	0.	43.	-0.

ISE PEO AES COGENERATION TECHNOLOGY ALTERNATIVES STUDY
FUEL UNITS = REPORT 6.1 FUEL AND EMISSIONS SAVINGS (SAVINGS ARE
EMISSION UNITS= TIME 1990 LEVEL ALL
COST =$*10**9 TYPE MATCH=HEAT

PROCS	ECS	ECS FUEL	*****FUEL SAVINGS**** DIRECT OIL+GAS	DIRECT COAL	TOTAL OIL+GAS	TOTAL COAL	FESR	---EMISSIONS SAVINGS--- DIRECT NOX	DIRECT SOX	DIRECT PART	TOTAL NOX	TOTAL SOX	TOTAL PART	EMSR	CAPITL SAVING	--ELECTRIC POWER--- TOTAL EXPORT MWH	COST	LAEC SAVED
20821	GTSOAD	DISTIL	-0.052	0.	-0.052	0.109	0.32	-22.	-9.	0.	12.	49.	4.	0.56	8.	6.	31.	-1.
20821	GTRA08	DISTIL	0.	-0.021	0.	0.021	0.19	-3.	2.	2.	11.	27.	7.	0.46	0.	0.	51.	-1.
20821	GTRA08	DISTIL	0.	-0.084	0.	0.084	0.36	-37.	-16.	1.	18.	78.	13.	0.51	10.	12.	36.	-1.
20821	GTRA12	DISTIL	0.	-0.021	0.	0.022	0.20	-3.	2.	2.	11.	27.	7.	0.46	1.	0.	50.	-1.
20821	GTRA12	DISTIL	0.	-0.082	0.	0.084	0.36	-36.	-15.	1.	18.	78.	13.	0.51	9.	12.	36.	-1.
20821	GTRA16	DISTIL	0.	-0.021	0.	0.022	0.20	-3.	2.	2.	11.	27.	7.	0.46	0.	0.	51.	-1.
20821	GTRA16	DISTIL	0.	-0.078	0.	0.080	0.36	-34.	-14.	1.	17.	74.	13.	0.51	8.	11.	37.	-1.
20821	GTR208	DISTIL	0.	-0.021	0.	0.021	0.20	-4.	2.	2.	10.	27.	7.	0.45	1.	0.	48.	-1.
20821	GTR208	DISTIL	0.	-0.066	0.	0.067	0.34	-30.	-11.	1.	14.	64.	12.	0.49	8.	8.	35.	-1.
20821	GTR212	DISTIL	0.	-0.021	0.	0.021	0.19	-4.	2.	2.	10.	27.	7.	0.45	1.	0.	49.	-1.
20821	GTR212	DISTIL	0.	-0.071	0.	0.071	0.34	-32.	-12.	1.	14.	68.	12.	0.49	8.	9.	35.	-1.
20821	GTR216	DISTIL	0.	-0.021	0.	0.022	0.20	-4.	2.	2.	11.	27.	7.	0.46	1.	0.	50.	-1.
20821	GTR216	DISTIL	0.	-0.071	0.	0.074	0.35	-32.	-12.	1.	15.	69.	12.	0.50	8.	10.	36.	-1.
20821	GTRW08	DISTIL	0.	-0.025	0.	0.018	0.16	-4.	1.	2.	10.	26.	7.	0.44	0.	0.	55.	-1.
20821	GTRW08	DISTIL	0.	-0.118	0.	0.085	0.31	-50.	-25.	0.	15.	87.	15.	0.48	12.	15.	39.	-2.
20821	GTRW12	DISTIL	0.	-0.024	0.	0.019	0.17	-4.	1.	2.	10.	26.	7.	0.45	0.	0.	54.	-1.
20821	GTRW12	DISTIL	0.	-0.117	0.	0.092	0.33	-50.	-25.	0.	18.	91.	15.	0.49	13.	16.	37.	-2.
20821	GTRW16	DISTIL	0.	-0.024	0.	0.019	0.17	-4.	1.	2.	10.	27.	7.	0.45	0.	0.	55.	-1.
20821	GTRW16	DISTIL	0.	-0.109	0.	0.087	0.33	-47.	-23.	0.	17.	87.	15.	0.49	11.	14.	38.	-2.
20821	GTR308	DISTIL	0.	-0.025	0.	0.017	0.16	-5.	1.	2.	9.	26.	7.	0.43	1.	0.	53.	-1.
20821	GTR308	DISTIL	0.	-0.090	0.	0.062	0.28	-40.	-18.	1.	10.	68.	12.	0.45	9.	10.	39.	-2.
20821	GTR312	DISTIL	0.	-0.024	0.	0.019	0.17	-4.	1.	2.	10.	27.	7.	0.44	1.	0.	52.	-1.
20821	GTR312	DISTIL	0.	-0.097	0.	0.078	0.32	-42.	-19.	1.	15.	78.	14.	0.48	11.	12.	37.	-2.
20821	GTR316	DISTIL	0.	-0.024	0.	0.019	0.17	-4.	1.	2.	10.	27.	7.	0.44	0.	0.	53.	-1.
20821	GTR316	DISTIL	0.	-0.096	0.	0.076	0.32	-42.	-19.	1.	14.	77.	13.	0.48	10.	12.	38.	-2.
20821	FCPADS	DISTIL	0.	-0.021	0.	0.022	0.20	5.	12.	2.	19.	37.	8.	0.65	1.	0.	57.	-1.
20821	FCPADS	DISTIL	0.	-0.092	0.	0.096	0.38	-8.	27.	3.	54.	132.	17.	0.87	8.	14.	49.	-4.
20821	FCMCDS	DISTIL	0.	-0.024	0.	0.019	0.17	-15.	10.	2.	-1.	36.	7.	0.43	0.	0.	63.	-1.
20821	FCMCDS	DISTIL	0.	-0.177	0.	0.137	0.36	-161.	26.	-0.	-59.	200.	21.	0.46	10.	25.	55.	-7.
20	FCMCDS	DISTIL	-5.275	-87.761	-5.275	55.337	27.70	-62147.	-33568.	-2301.	-16311.	43882.	5090.	0.20	8396.	10922.	58842.	-1534.
22601	STM141	RESIDU	0.	-0.016	0.	0.026	0.16	-5.	-6.	-1.	8.	16.	1.	0.18	1.	0.	43.	0.
22601	STM141	RESIDU	0.	-0.025	0.	0.041	0.23	-9.	-10.	-1.	12.	26.	2.	0.24	4.	2.	28.	1.
22601	STM141	COAL-F	0.	-0.016	0.	0.026	0.16	-5.	-33.	-1.	9.	-6.	6.	0.06	-9.	0.	110.	0.
22601	STM141	COAL-F	0.	-0.025	0.	0.041	0.23	-9.	-38.	-1.	13.	2.	7.	0.14	-4.	2.	60.	1.
22601	STM141	COAL-A	0.	-0.016	0.	0.026	0.16	23.	-33.	-1.	37.	-6.	6.	0.26	-6.	0.	93.	1.
22601	STM141	COAL-A	0.	-0.025	0.	0.041	0.23	22.	-33.	-1.	44.	2.	7.	0.32	0.	2.	43.	2.
22601	STM088	RESIDU	0.	-0.016	0.	0.026	0.16	-5.	-6.	-1.	8.	16.	1.	0.18	2.	0.	38.	0.
22601	STM088	RESIDU	0.	-0.018	0.	0.030	0.18	-6.	-7.	-1.	9.	19.	1.	0.20	3.	1.	28.	1.
22601	STM088	COAL-F	0.	-0.016	0.	0.026	0.16	-5.	-33.	-1.	9.	-6.	6.	0.06	-8.	0.	101.	1.
22601	STM088	COAL-F	0.	-0.018	0.	0.030	0.18	-6.	-34.	-1.	10.	-4.	7.	0.09	-5.	1.	71.	1.
22601	STM088	COAL-A	0.	-0.016	0.	0.026	0.16	23.	-33.	-1.	37.	-6.	6.	0.26	-5.	0.	81.	1.
22601	STM088	COAL-A	0.	-0.018	0.	0.030	0.18	22.	-34.	-1.	39.	-4.	7.	0.28	-1.	1.	52.	2.
22601	PFBSTM	COAL-P	0.	-0.016	0.	0.025	0.16	26.	-33.	1.	41.	-7.	8.	0.30	-10.	0.	119.	0.
22601	PFBSTM	COAL-P	0.	-0.041	0.	0.065	0.29	29.	-48.	3.	64.	14.	14.	0.46	-3.	6.	52.	1.
22601	TISTMT	RESIDU	0.	-0.016	0.	0.025	0.16	-6.	-6.	-1.	8.	16.	1.	0.17	-13.	0.	129.	-2.
22601	TISTMT	RESIDU	0.	-0.055	0.	0.087	0.34	-19.	-22.	-3.	26.	54.	3.	0.36	-27.	9.	92.	-4.

ISE PEG AES COGENERATION TECHNOLOGY ALTERNATIVES STUDY
FUEL UNITS = REPORT 6.1 FUEL AND EMISSIONS SAVINGS (SAVINGS ARE
EMISSION UNITS= TIME 1990 LEVEL ALL
COST =$*10**9 TYPE MATCH=POWR

PROCS	ECS	ECS FUEL	****DIRECT FUEL SAVINGS**** OIL+GAS	COAL	----TOTAL FUEL SAVINGS---- OIL+GAS	COAL	FESR	----DIRECT EMISSIONS---- NOX	SOX	PART	********TOTAL EMISSIONS******** NOX	SOX	PART	EMSR	CAPITL SAVING	ELECTRIC POWER--- TOTAL EXPORT MWH	COST	LAEC SAVED
22601	TISTMT	COAL	0.	-0.016	0.	0.025	0.16	-6.	-33.	-1.	9.	-7.	6.	0.06	-25.	0.	204.	-2.
22601	TISTMT	COAL	0.	-0.055	0.	0.087	0.34	-19.	-56.	-3.	27.	25.	10.	0.27	-40.	9.	112.	-4.
22601	TIHRSG	RESIDU	0.	-0.022	0.	0.020	0.12	-8.	-9.	-1.	6.	13.	0.	0.14	-22.	0.	185.	-3.
22601	TIHRSG	RESIDU	0.	-0.035	0.	0.032	0.17	-12.	-14.	-2.	9.	21.	1.	0.19	-29.	2.	158.	-4.
22601	TIHRSG	COAL	0.	-0.022	0.	0.020	0.12	-8.	-36.	-1.	7.	-10.	6.	0.02	-34.	0.	264.	-3.
22601	TIHRSG	COAL	0.	-0.035	0.	0.032	0.17	-12.	-44.	-2.	10.	-4.	7.	0.08	-41.	2.	200.	-4.
22601	STIRL	DISTIL	0.	-0.023	0.	0.018	0.12	9.	7.	3.	23.	33.	11.	0.48	0.	0.	58.	-1.
22601	STIRL	DISTIL	0.	-0.093	0.	0.075	0.26	-8.	-12.	2.	48.	83.	17.	0.57	7.	12.	44.	-3.
22601	STIRL	RESIDU	0.	-0.023	0.	0.018	0.12	-8.	-9.	-2.	5.	13.	-1.	0.12	0.	0.	54.	-0.
22601	STIRL	RESIDU	0.	-0.093	0.	0.075	0.26	-33.	-37.	-10.	21.	52.	-4.	0.27	7.	12.	40.	-1.
22601	STIRL	COAL	0.	-0.023	0.	0.018	0.12	-8.	-37.	-1.	6.	-11.	5.	0.01	-10.	0.	115.	0.
22601	STIRL	COAL	0.	-0.093	0.	0.075	0.26	-33.	-79.	-5.	22.	17.	10.	0.19	-7.	12.	55.	0.
22601	HEGT85	COAL-A	0.	-0.034	0.	0.008	0.05	18.	-43.	-2.	33.	-17.	5.	0.15	-20.	0.	178.	-1.
22601	HEGT85	COAL-A	0.	-0.519	0.	0.118	0.16	-75.	-335.	-26.	131.	17.	16.	0.24	-44.	56.	69.	-12.
22601	HEGT60	COAL-A	0.	-0.032	0.	0.009	0.06	18.	-43.	-2.	32.	-16.	5.	0.15	-19.	0.	173.	-1.
22601	HEGT60	COAL-A	0.	-0.199	0.	0.056	0.15	-16.	-142.	-10.	66.	0.	10.	0.23	-30.	20.	77.	-5.
22601	HEGT00	COAL-A	0.	-0.031	0.	0.010	0.06	17.	-42.	-2.	31.	-16.	6.	0.15	-18.	0.	165.	-1.
22601	HEGT00	COAL-A	0.	-0.083	0.	0.026	0.12	4.	-73.	-4.	41.	-10.	7.	0.19	-19.	6.	32.	-2.
22601	FCMCCL	COAL	0.	-0.019	0.	0.022	0.14	8.	-9.	1.	23.	17.	8.	0.34	-17.	0.	156.	-1.
22601	FCMCCL	COAL	0.	-0.092	0.	0.106	0.34	40.	46.	5.	105.	158.	22.	1.00	-16.	15.	64.	-1.
22601	FCSTCL	COAL	0.	-0.018	0.	0.023	0.15	5.	-14.	1.	20.	12.	8.	0.28	-16.	0.	153.	-1.
22601	FCSTCL	COAL	0.	-0.136	0.	0.169	0.40	40.	46.	5.	139.	217.	28.	1.00	-13.	25.	53.	-2.
22601	IGGTST	COAL	0.	-0.023	0.	0.018	0.12	-8.	-37.	1.	6.	-11.	8.	0.02	-16.	0.	155.	-1.
22601	IGGTST	COAL	0.	-0.119	0.	0.094	0.29	-42.	-94.	5.	28.	25.	22.	0.25	-13.	16.	58.	-1.
22601	GTSOAR	RESIDU	-0.022	0.	-0.022	0.041	0.12	-9.	-8.	-0.	4.	14.	2.	0.22	0.	0.	51.	-0.
22601	GTSOAR	RESIDU	-0.113	0.	-0.113	0.207	0.29	-44.	-42.	-1.	22.	71.	11.	0.42	14.	16.	32.	-0.
22601	GTAC08	RESIDU	0.	-0.019	0.	0.022	0.14	-19.	-8.	-2.	-6.	14.	-1.	0.06	1.	0.	44.	0.
22601	GTAC08	RESIDU	0.	-0.076	0.	0.086	0.31	-75.	-30.	-9.	-23.	56.	-2.	0.12	12.	11.	27.	0.
22601	GTAC12	RESIDU	0.	-0.020	0.	0.022	0.14	-18.	-8.	-2.	-5.	14.	-0.	0.07	1.	0.	44.	0.
22601	GTAC12	RESIDU	0.	-0.096	0.	0.106	0.33	-87.	-38.	-10.	-22.	69.	-2.	0.15	15.	15.	28.	0.
22601	GTAC16	RESIDU	0.	-0.020	0.	0.021	0.14	-17.	-8.	-2.	-4.	14.	-0.	0.07	1.	0.	46.	0.
22601	GTAC16	RESIDU	0.	-0.110	0.	0.118	0.34	-95.	-44.	-12.	-23.	77.	-2.	0.17	16.	18.	29.	0.
22601	GTWC16	RESIDU	0.	-0.022	0.	0.019	0.12	-18.	-9.	-2.	-5.	13.	-1.	0.05	1.	0.	49.	-0.
22601	GTWC16	RESIDU	0.	-0.128	0.	0.112	0.32	-106.	-51.	-13.	-29.	76.	-4.	0.13	18.	19.	30.	-0.
22601	CC1626	RESIDU	0.	-0.022	0.	0.019	0.12	-16.	-9.	-2.	-3.	13.	-0.	0.07	1.	0.	52.	-0.
22601	CC1626	RESIDU	0.	-0.206	0.	0.178	0.36	-152.	-82.	-19.	-31.	121.	-4.	0.19	29.	32.	30.	-1.
22601	CC1622	RESIDU	0.	-0.021	0.	0.020	0.13	-16.	-8.	-2.	-3.	13.	-0.	0.07	1.	0.	49.	-0.
22601	CC1622	RESIDU	0.	-0.177	0.	0.168	0.36	-135.	-71.	-17.	-26.	112.	-3.	0.20	25.	28.	30.	-1.
22601	CC1222	RESIDU	0.	-0.021	0.	0.020	0.13	-16.	-8.	-2.	-3.	14.	-0.	0.07	1.	0.	48.	-0.
22601	CC1222	RESIDU	0.	-0.175	0.	0.168	0.37	-134.	-70.	-16.	-25.	113.	-3.	0.20	26.	28.	29.	-1.
22601	CC0822	RESIDU	0.	-0.020	0.	0.022	0.14	-16.	-8.	-2.	-3.	14.	-0.	0.08	1.	0.	48.	-0.
22601	CC0822	RESIDU	0.	-0.130	0.	0.144	0.37	-107.	-52.	-13.	-20.	94.	-2.	0.20	21.	22.	28.	-0.
22601	STIG15	RESIDU	0.	-0.034	0.	0.007	0.05	-21.	-14.	-1.	-8.	8.	0.	0.00	1.	0.	61.	-1.
22601	STIG15	RESIDU	0.	-7.468	0.	1.562	0.17	-4510.	-2987.	-222.	-1661.	1727.	14.	0.01	746.	843.	39.	-129.
22601	STIG10	RESIDU	0.	-0.031	0.	0.010	0.07	-20.	-12.	-1.	-7.	9.	0.	0.02	1.	0.	56.	-0.
22601	STIG10	RESIDU	0.	-0.628	0.	0.207	0.22	-406.	-251.	-17.	-142.	187.	8.	0.06	66.	74.	37.	-9.

ISE PEG AES COGENERATION TECHNOLOGY ALTERNATIVES STUDY
FUEL UNITS = REPORT 6.1 FUEL AND EMISSIONS SAVINGS (SAVINGS ARE
EMISSION UNITS= TIME 1990 LEVEL ALL
COST =$*10**9 TYPE MATCH=POWR

PROCS	ECS	ECS FUEL	*****FUEL SAVINGS*****DIRECT OIL+GAS	COAL	TOTAL OIL+GAS	COAL	FESR	EMISSIONS SAVINGS DIRECT NOX	SOX	PART	TOTAL NOX	SOX	PART	EMSR	CAPITL SAVING	ELECTRIC POWER TOTAL EXPORT MWH	COST	LAEC SAVED
22601	STIG1S	RESIDU	0.	-0.030	0.	0.012	0.07	-20.	-12.	-1.	-7.	10.	1.	0.02	1.	0.	54.	-0.
22601	STIG1S	RESIDU	0.	-0.352	0.	0.138	0.23	-240.	-141.	-8.	-85.	117.	7.	0.07	40.	42.	36.	-5.
22601	DEADV3	RESIDU	0.	-0.027	0.	0.015	0.09	-31.	-11.	-2.	-18.	11.	-1.	-0.05	-2.	0.	69.	-1.
22601	DEADV3	RESIDU	0.	-0.341	0.	0.189	0.29	-394.	-137.	-29.	-226.	143.	-11.	-0.16	16.	46.	46.	-7.
22601	DEHTPM	RESIDU	0.	-0.019	0.	0.022	0.14	-30.	-8.	-2.	-17.	14.	-0.	-0.02	-2.	0.	64.	-0.
22601	DEHTPM	RESIDU	0.	-0.113	0.	0.128	0.36	-177.	-45.	-12.	-101.	83.	-2.	-0.06	6.	19.	41.	-1.
22601	DESOA3	DISTIL	-0.029	0.	-0.029	0.041	0.08	-59.	20.	1.	-47.	38.	-2.	-0.12	-1.	0.	74.	-2.
22601	DESOA3	DISTIL	-0.427	0.	-0.427	0.613	0.25	-1019.	-45.	1.	-826.	274.	15.	-0.86	3.	54.	59.	-16.
22601	DESOA3	RESIDU	-0.029	0.	-0.029	0.041	0.08	-147.	-11.	-0.	-134.	12.	2.	-1.25	-1.	0.	68.	-1.
22601	DESOA3	RESIDU	-0.427	0.	-0.427	0.613	0.25	-2187.	-161.	-3.	-1989.	174.	33.	-2.85	3.	54.	54.	-11.
22601	GTSOAD	DISTIL	-0.021	0.	-0.021	0.041	0.13	-8.	-3.	0.	5.	19.	2.	0.36	1.	0.	47.	-1.
22601	GTSOAD	DISTIL	-0.097	0.	-0.097	0.194	0.31	-40.	-16.	0.	22.	88.	8.	0.56	16.	14.	31.	-2.
22601	GTRA08	DISTIL	0.	-0.022	0.	0.019	0.12	3.	8.	3.	17.	34.	11.	0.43	0.	0.	56.	-1.
22601	GTRA08	DISTIL	0.	-0.169	0.	0.149	0.34	-73.	-34.	1.	30.	143.	24.	0.50	22.	26.	36.	-3.
22601	GTRA12	DISTIL	0.	-0.021	0.	0.020	0.13	3.	8.	3.	17.	34.	11.	0.44	0.	0.	55.	-1.
22601	GTRA12	DISTIL	0.	-0.162	0.	0.149	0.35	-71.	-32.	1.	30.	142.	24.	0.50	21.	25.	36.	-3.
22601	GTRA16	DISTIL	0.	-0.021	0.	0.020	0.13	3.	8.	3.	17.	34.	11.	0.44	0.	0.	56.	-1.
22601	GTRA16	DISTIL	0.	-0.151	0.	0.140	0.34	-66.	-29.	1.	28.	134.	23.	0.50	18.	23.	37.	-3.
22601	GTR208	DISTIL	0.	-0.021	0.	0.020	0.13	2.	8.	3.	16.	34.	11.	0.43	1.	0.	53.	-1.
22601	GTR208	DISTIL	0.	-0.126	0.	0.116	0.32	-56.	-22.	2.	23.	114.	21.	0.48	17.	19.	35.	-2.
22601	GTR212	DISTIL	0.	-0.022	0.	0.020	0.13	2.	8.	3.	16.	34.	11.	0.43	0.	0.	54.	-1.
22601	GTR212	DISTIL	0.	-0.135	0.	0.124	0.33	-60.	-24.	2.	24.	121.	22.	0.49	18.	20.	35.	-3.
22601	GTR216	DISTIL	0.	-0.021	0.	0.020	0.13	2.	8.	3.	17.	34.	11.	0.43	0.	0.	54.	-1.
22601	GTR216	DISTIL	0.	-0.136	0.	0.129	0.34	-60.	-25.	2.	26.	124.	22.	0.49	18.	21.	36.	-3.
22601	GTRW08	DISTIL	0.	-0.025	0.	0.016	0.10	2.	7.	3.	16.	33.	10.	0.42	0.	0.	59.	-1.
22601	GTRW08	DISTIL	0.	-0.230	0.	0.150	0.30	-98.	-51.	-0.	25.	160.	27.	0.47	29.	32.	38.	-5.
22601	GTRW12	DISTIL	0.	-0.024	0.	0.017	0.11	2.	7.	3.	16.	33.	11.	0.43	0.	0.	58.	-1.
22601	GTRW12	DISTIL	0.	-0.224	0.	0.163	0.32	-95.	-49.	0.	30.	166.	28.	0.48	28.	32.	37.	-4.
22601	GTRW16	DISTIL	0.	-0.024	0.	0.018	0.11	2.	7.	3.	16.	33.	11.	0.43	-0.	0.	59.	-1.
22601	GTRW16	DISTIL	0.	-0.206	0.	0.153	0.32	-88.	-44.	0.	28.	156.	26.	0.48	25.	30.	37.	-4.
22601	GTR308	DISTIL	0.	-0.026	0.	0.015	0.10	1.	6.	3.	15.	32.	10.	0.41	1.	0.	58.	-1.
22601	GTR308	DISTIL	0.	-0.183	0.	0.107	0.26	-79.	-38.	1.	15.	124.	23.	0.44	21.	23.	39.	-4.
22601	GTR312	DISTIL	0.	-0.023	0.	0.018	0.11	2.	7.	3.	16.	33.	11.	0.43	0.	0.	56.	-1.
22601	GTR312	DISTIL	0.	-0.179	0.	0.136	0.32	-77.	-37.	1.	25.	139.	24.	0.48	23.	26.	36.	-3.
22601	GTR316	DISTIL	0.	-0.024	0.	0.018	0.11	2.	7.	3.	16.	33.	11.	0.43	0.	0.	57.	-1.
22601	GTR316	DISTIL	0.	-0.177	0.	0.133	0.31	-76.	-36.	1.	24.	137.	24.	0.48	22.	25.	37.	-4.
22601	FCPADS	DISTIL	0.	-0.028	0	0.013	0.09	9.	16.	4.	23.	42.	11.	0.54	-0.	0.	73.	-2.
22601	FCPADS	DISTIL	0.	-0.464	0.	0.225	0.28	-72.	46.	6.	150.	427.	51.	0.85	27.	61.	60.	-21.
22601	FCMCDS	DISTIL	0.	-0.023	0.	0.018	0.11	-8.	16.	3.	6.	42.	11.	0.42	-0.	0.	69.	-2.
22601	FCMCDS	DISTIL	0.	-0.307	0.	0.238	0.36	-279.	46.	-1.	-103.	347.	36.	0.46	18.	47.	56.	-14.
22	FCMCDS	DISTIL	-1.164	-15.668	-1.164	9.415	13.19	-11680.	-6109.	-417.	-3645.	7468.	880.	0.17	874.	1958.	6916.	-329.
24211	STM141	RESIDU	0.	-0.000	0.	0.006	0.99	-0.	-0.	-0.	2.	3.	0.	0.99	-0.	0.	81.	-0.
24211	STM141	RESIDU	0.	-0.000	0.	0.007	0.95	-0.	-0.	-0.	2.	4.	0.	0.95	0.	0.	55.	-0.
24211	STM141	COAL-F	0.	-0.000	0.	0.006	0.99	-0.	-0.	-0.	2.	3.	0.	0.99	-3.	0.	220.	-1.
24211	STM141	COAL-F	0.	-0.000	0.	0.007	0.95	-0.	-0.	-0.	2.	4.	0.	0.94	-2.	0.	155.	-0.
24211	STM141	COAL-A	0.	-0.000	0.	0.006	0.99	-0.	-0.	-0.	2.	3.	0.	0.99	-3.	0.	190.	-1.

ISE PE0 AES COGENERATION TECHNOLOGY ALTERNATIVES STUDY
FUEL UNITS = REPORT 6.1 FUEL AND EMISSIONS SAVINGS (SAVINGS ARE
EMISSION UNITS= TIME 1990 LEVEL ALL
COST =$*10**9 TYPE MATCH=HEAT

PROCS	ECS	ECS FUEL	****DIRECT FUEL SAVINGS OIL+GAS	COAL	****TOTAL FUEL SAVINGS OIL+GAS	COAL	FESR	DIRECT EMISSIONS SAVINGS NOX	SOX	PART	TOTAL EMISSIONS SAVINGS NOX	SOX	PART	EMSR	CAPITL SAVING	ELECTRIC POWER TOTAL EXPORT MWH	COST	LAEC SAVED
24211	STM141	COAL-A	0.	-0.000	0.	0.007	0.95	-0.	-0.	-0.	2.	4.	0.	0.96	-2.	0.	124.	-0.
24211	STM088	RESIDU	0.	0.	0.	0.005	0.81	0.	0.	0.	2.	3.	0.	0.81	0.	0.	58.	0.
24211	STM088	COAL-F	0.	0.	0.	0.005	0.81	0.	0.	0.	2.	3.	0.	0.81	-2.	0.	167.	-0.
24211	STM088	COAL-A	0.	0.	0.	0.005	0.81	0.	0.	0.	2.	3.	0.	0.81	-2.	0.	140.	-0.
24211	PFBSTM	COAL-P	0.	-0.000	0.	0.006	0.98	-0.	-0.	-0.	2.	3.	0.	0.98	-5.	0.	277.	-1.
24211	PFBSTM	COAL-P	0.	-0.002	0.	0.010	0.80	-0.	-1.	-0.	4.	5.	1.	0.85	-3.	1.	133.	-1.
24211	TISTMT	COAL	0.	-0.000	0.	0.006	0.98	-0.	-0.	-0.	2.	3.	0.	0.98	-9.	0.	465.	-2.
24211	TISTMT	COAL	0.	-0.004	0.	0.012	0.76	-1.	-2.	-0.	4.	7.	1.	0.74	-13.	1.	270.	-2.
24211	TIHRSG	COAL	0.	-0.001	0.	0.005	0.83	-0.	-1.	-0.	2.	3.	0.	0.82	-12.	0.	562.	-2.
24211	TIHRSG	COAL	0.	-0.002	0.	0.006	0.75	-1.	-1.	-0.	2.	3.	0.	0.74	-13.	0.	459.	-2.
24211	STIRL	COAL	0.	-0.001	0.	0.005	0.81	-0.	-1.	-0.	2.	3.	0.	0.80	-3.	0.	229.	-1.
24211	STIRL	COAL	0.	-0.009	0.	0.011	0.56	-3.	-5.	-0.	3.	6.	1.	0.53	-1.	1.	79.	-0.
24211	HEGT85	COAL-A	0.	-0.003	0.	0.003	0.53	-0.	-2.	-0.	2.	2.	0.	0.60	-8.	0.	394.	-1.
24211	HEGT85	COAL-A	0.	-0.071	0.	0.017	0.19	-13.	-42.	-4.	15.	5.	2.	0.28	-24.	8.	135.	-5.
24211	HEGT60	COAL-A	0.	-0.003	0.	0.004	0.57	-0.	-2.	-0.	2.	2.	0.	0.64	-7.	0.	380.	-1.
24211	HEGT60	COAL-A	0.	-0.023	0.	0.009	0.28	-4.	-14.	-1.	6.	4.	1.	0.35	-13.	2.	167.	-2.
24211	HEGT00	COAL-A	0.	-0.003	0.	0.004	0.60	-0.	-2.	-0.	2.	2.	0.	0.56	-7.	0.	352.	-1.
24211	HEGT00	COAL-A	0.	-0.008	0.	0.005	0.41	-1.	-5.	-0.	3.	3.	0.	0.47	-7.	1.	200.	-1.
24211	FCSTCL	COAL	0.	-0.030	0.	0.006	0.16	-0.	-0.	-0.	12.	20.	2.	1.00	-8.	3.	127.	-2.
24211	GTAC16	RESIDU	0.	-0.006	0.	0.000	0.01	-2.	-3.	-0.	-0.	1.	-0.	0.06	-0.	0.	102.	-0.
24211	CC1626	RESIDU	0.	-0.005	0.	0.001	0.15	-2.	-2.	-0.	0.	1.	-0.	0.19	-0.	0.	118.	-0.
24211	CC1622	RESIDU	0.	-0.006	0.	0.001	0.14	-2.	-2.	-0.	0.	1.	-0.	0.18	-0.	0.	112.	-0.
24211	CC1222	RESIDU	0.	-0.006	0.	0.001	0.14	-2.	-2.	-0.	0.	1.	-0.	0.19	-0.	0.	109.	-0.
24211	CC0822	RESIDU	0.	-0.006	0	0.001	0.08	-2.	-2.	-0.	-0.	1.	-0.	0.13	-0.	0.	116.	-0.
24211	STIG15	RESIDU	0.	-0.005	0.	0.001	0.16	-2.	-2.	-0.	0.	1.	-0.	0.21	-0	0.	111.	-0.
24211	STIG10	RESIDU	0.	-0.006	0.	0.001	0.11	-2.	-2.	-0.	0.	1.	-0.	0.16	-0.	0.	107.	-0.
24211	STIG1S	RESIDU	0.	-0.006	0.	0.000	0.05	-2.	-2.	-0.	-0.	1.	-0.	0.10	-0.	0.	108.	-0.
24211	DEADV3	RESIDU	0.	-0.006	0.	0.001	0.14	-2.	-2.	-0.	0.	1.	-0.	0.18	-1.	0.	153.	-0.
24211	DEHTPM	RESIDU	0.	-0.006	0.	0.000	0.04	-2.	-2.	-0.	-0.	1.	-0.	0.09	-2.	0.	162.	-0.
24211	DESGA3	DISTIL	-0.006	0.	-0.006	0.006	0.11	-0.	-1.	0.	2.	2.	0.	0.75	-0.	0.	120.	-0.
24211	DESGA3	RESIDU	-0.006	0.	-0.006	0.006	0.11	-1.	-2.	-0.	1.	1.	0.	0.53	-0.	0.	113.	-0.
242.1	GTRA08	DISTIL	0.	-0.006	0.	0.001	0.10	-1.	-2.	-0.	1.	2.	0.	0.49	-1.	0.	121.	-0.
24211	GTRA12	DISTIL	0.	-0.006	0.	0.001	0.11	-1.	-2.	-0.	1.	2.	0.	0.49	-0.	0.	117.	-0.
24211	GTRA16	DISTIL	0.	-0.006	0.	0.001	0.08	-1.	-2.	-0.	1.	2.	0.	0.48	-1.	0.	122.	-0.
24211	GTR208	DISTIL	0.	-0.006	0.	0.000	0.00	-1.	-2.	-0.	1.	2.	0.	0.43	-0.	0.	118.	-0.
24211	GTR212	DISTIL	0.	-0.006	0.	0.000	0.03	-1.	-2.	-0.	1.	2.	0.	0.45	-0.	0.	119.	-0.
24211	GTR216	DISTIL	0.	-0.006	0.	0.000	0.05	-1.	-2.	-0.	1.	2.	0.	0.46	-0.	0.	119.	-0.
24211	GTRW08	DISTIL	0.	-0.006	0.	0.001	0.09	-1.	-2.	-0.	1.	2.	0.	0.48	-1.	0.	124.	-0.
24211	GTRW12	DISTIL	0.	-0.006	0.	0.001	0.12	-1.	-2.	-0.	1.	2.	0.	0.50	-1.	0.	123.	-0.
24211	GTRW16	DISTIL	0.	-0.006	0.	0.001	0.10	-1.	-2.	-0.	1.	2.	0.	0.49	-1.	0.	126.	-0.
24211	GTR312	DISTIL	0.	-0.006	0.	0.000	0.06	-1.	-2.	-0.	1.	2.	0.	0.47	-0.	0.	120.	-0.
24211	GTR316	DISTIL	0.	-0.006	0.	0.000	0.06	-1.	-2.	-0.	1.	2.	0.	0.46	-1.	0.	124.	-0.
24211	FCPADS	DISTIL	0.	-0.005	0.	0.001	0.16	-1.	-2.	-0.	1.	2.	0.	0.52	-0.	0.	108.	-0.
24211	FCMCDS	DISTIL	0.	-0.005	0.	0.001	0.22	-1.	-1.	-0.	1.	2.	0.	0.56	-0.	0.	106.	-0.
24361	STM141	RESIDU	0.	-0.000	0.	0.019	0.99	-0.	-0.	-0.	6.	10.	1.	0.99	0.	0.	36.	0.
24361	STM141	RESIDU	0.	-0.001	0.	0.020	0.97	-0.	-0.	-0.	6.	11.	1.	0.97	1.	0.	27.	0.

ISE PEO AES COGENERATION TECHNOLOGY ALTERNATIVES STUDY
FUEL UNITS = REPORT 6.1 FUEL AND EMISSIONS SAVINGS (SAVINGS ARE
EMISSION UNITS= TIME 1990 LEVEL ALL
COST =$*10**9 TYPE MATCH=POWR

PROCS	ECS	ECS FUEL	*****FUEL SAVINGS**** DIRECT OIL+GAS	COAL	TOTAL OIL+GAS	COAL	FESR	EMISSIONS SAVINGS DIRECT NOX	SOX	PART	TOTAL NOX	SOX	PART	EMSR	CAPITL SAVING	ELECTRIC POWER TOTAL EXPORT MWH	COST	LAEC SAVED
24361	STM141	COAL-F	0.	-0.000	0.	0.019	0.99	-0.	-0.	-0.	6.	10.	1.	0.99	-5.	0.	118.	-1.
24361	STM141	COAL-F	0.	-0.001	0.	0.020	0.97	-0.	-0.	-0.	6.	11.	1.	0.97	-4.	0.	94.	-0.
24361	STM141	COAL-A	0.	-0.000	0.	0.019	0.99	-0.	-0.	-0.	6.	10.	1.	0.99	-3.	0.	92.	-0.
24361	STM141	COAL-A	0.	-0.001	0.	0.020	0.97	-0.	-0.	-0.	6.	11.	1.	0.98	-2.	0.	68.	-0.
24361	STM088	RESIDU	0.	0.	0.	0.013	0.68	0.	0.	0.	4.	7.	1.	0.68	1.	0.	40.	0.
24361	STM088	COAL-F	0.	0.	0.	0.013	0.68	0.	0.	0.	4.	7.	1.	0.68	-4.	0.	105.	-1.
24361	STM088	COAL-A	0.	0.	0.	0.013	0.68	0.	0.	0.	4.	7.	1.	0.68	-2.	0.	82.	-0.
24361	PFBSTM	COAL-F	0.	-0.001	0.	0.019	0.97	-0.	-0.	-0.	6.	10.	1.	0.97	-7.	0.	154.	-1.
24361	PFBSTM	COAL-F	0.	-0.008	0.	0.030	0.79	-1.	-5.	-0.	12.	16.	2.	0.84	-4.	2.	75.	-1.
24361	TISTMT	COAL	0.	-0.000	0.	0.019	0.98	-0.	-0.	-0.	6.	10.	1.	0.98	-16.	0.	270.	-2.
24361	TISTMT	COAL	0.	-0.013	0.	0.039	0.75	-5.	-8.	-1.	12.	21.	2.	0.73	-24.	3.	158.	-3.
24361	TIHRSG	COAL	0.	-0.004	0.	0.015	0.78	-1.	-2.	-0.	5.	8.	1.	0.77	-21.	0.	329.	-3.
24361	TIHRSG	COAL	0.	-0.011	0.	0.020	0.64	-4.	-7.	-1.	6.	10.	1.	0.61	-25.	1.	245.	-3.
24361	STIRL	COAL	0.	-0.004	0.	0.015	0.80	-1.	-2.	-0.	5.	8.	1.	0.79	-6.	0.	138.	-1.
24361	STIRL	COAL	0.	-0.032	0.	0.037	0.54	-11.	-19.	-2.	11.	19.	3.	0.50	-3.	5.	57.	-1.
24361	HEGT60	COAL-A	0.	-0.010	0.	0.010	0.50	-1.	-6.	-0.	5.	5.	1.	0.57	-12.	0.	219.	-2.
24361	HEGT60	COAL-A	0.	-0.120	0.	0.026	0.18	-22.	-72.	-6.	25.	8.	3.	0.26	-24.	12.	92.	-5.
24361	HEGT00	COAL-A	0.	-0.008	0.	0.011	0.58	-1.	-5.	-0.	5.	6.	1.	0.64	-11.	0.	205.	-2.
24361	HEGT00	COAL-A	0.	-0.034	0.	0.018	0.34	-6.	-20.	-2.	10.	8.	1.	0.41	-13.	3.	111.	-2.
24361	FCSTCL	COAL	0.	-0.108	0.	0.015	0.12	-0.	-0.	-0.	40.	67.	7.	1.00	-12.	10.	77.	-4.
24361	GTAC16	RESIDU	0.	-0.019	0.	0.000	0.01	-7.	-8.	-1.	-1.	2.	-1.	0.06	0.	0.	73.	-0.
24361	CC1626	RESIDU	0.	-0.017	0.	0.002	0.12	-6.	-7.	-1.	0.	3.	-0.	0.16	-0.	0.	76.	-0.
24361	CC1622	RESIDU	0.	-0.017	0.	0.002	0.10	-6.	-7.	-1.	0.	3.	-0.	0.15	-0.	0.	74.	-0.
24361	CC1222	RESIDU	0.	-0.017	0.	0.002	0.10	-6.	-7.	-1.	0.	3.	-0.	0.15	0.	0.	72.	-0.
24361	CC0822	RESIDU	0.	-0.019	0.	0.001	0.03	-6.	-7.	-1.	-0.	3.	-1.	0.09	-0.	0.	76.	-1.
24361	STIG15	RESIDU	0.	-0.016	0.	0.003	0.16	-6.	-6.	-1.	0.	4.	-0.	0.21	-0.	0.	72.	-0.
24361	STIG10	RESIDU	0.	-0.017	0.	0.002	0.11	-6.	-7.	-1.	0.	3.	-0.	0.16	-0.	0.	71.	-0.
24361	STIG1S	RESIDU	0.	-0.018	0.	0.001	0.05	-6.	-7.	-1.	-0.	3.	-1.	0.10	0.	0.	72.	-0.
24361	DEADV3	RESIDU	0.	-0.017	0.	0.003	0.14	-6.	-7.	-1.	0.	3.	-0.	0.18	-2.	0.	94.	-1.
24361	DES0A3	DISTIL	-0.017	0.	-0.017	0.019	0.11	-0.	-3.	0.	6.	7.	0.	0.75	-1.	0.	88.	-1.
24361	DES0A3	RESIDU	-0.017	0.	-0.017	0.019	0.11	-2.	-6.	-0.	4.	4.	1.	0.53	-1.	0.	82.	-1.
24361	GTRA08	DISTIL	0.	-0.017	0.	0.002	0.10	-4.	-5.	-0.	2.	6.	1.	0.49	-0.	0.	83.	-1.
24361	GTRA12	DISTIL	0.	-0.017	0.	0.002	0.11	-4.	-5.	-0.	2.	6.	1.	0.49	-0.	0.	82.	-1.
24361	GTRA16	DISTIL	0.	-0.018	0.	0.002	0.08	-4.	-5.	-0.	2.	6.	1.	0.48	-1.	0.	85.	-1.
24361	GTR212	DISTIL	0.	-0.019	0.	0.001	0.03	-4.	-5.	-0.	2.	5.	1.	0.45	-0.	0.	84.	-1.
24361	GTR216	DISTIL	0.	-0.018	0.	0.001	0.05	-4.	-5.	-0.	2.	5.	1.	0.46	-0.	0.	84.	-1.
24361	GTRW08	DISTIL	0.	-0.017	0.	0.002	0.09	-4.	-5.	-0.	2.	6.	1.	0.48	-1.	0.	85.	-1.
24361	GTRW12	DISTIL	0.	-0.017	0.	0.002	0.12	-4.	-5.	-0.	2.	6.	1.	0.50	-1.	0.	83.	-1.
24361	GTRW16	DISTIL	0.	-0.017	0.	0.002	0.10	-4.	-5.	-0.	2.	6.	1.	0.49	-1.	0.	86.	-1.
24361	GTR312	DISTIL	0.	-0.018	0.	0.001	0.06	-4.	-5.	-0.	2.	5.	1.	0.47	-0.	0.	83.	-1.
24361	GTR316	DISTIL	0.	-0.018	0.	0.001	0.06	-4.	-5.	-0.	2.	5.	1.	0.46	-1.	0.	85.	-1.
24361	FCPADS	DISTIL	0.	-0.016	0.	0.003	0.16	-4.	-5.	-0.	2.	6.	1.	0.52	-0.	0.	85.	-1.
24361	FCMCDS	DISTIL	0.	-0.015	0.	0.004	0.22	-3.	-4.	-0.	3.	6.	1.	0.56	-0.	0.	83.	-1.
24921	STM141	RESIDU	0.	-0.005	0.	0.008	0.19	-2.	-2.	-0.	3.	5.	0.	0.19	0.	0.	54.	0.
24921	STM141	COAL-F	0.	-0.005	0.	0.008	0.19	-2.	-3.	-0.	3.	4.	1.	0.17	-3.	0.	62.	-0.
24921	STM141	COAL-A	0.	-0.005	0.	0.008	0.19	-0.	-3.	-0.	4.	4.	1.	0.21	-2.	0.	56.	-0.

ISE PE0 AES COGENERATION TECHNOLOGY ALTERNATIVES STUDY
FUEL UNITS = REPORT 6.1 FUEL AND EMISSIONS SAVINGS (SAVINGS ARE
EMISSION UNITS= TIME 1990 LEVEL ALL
COST =$*10**9 TYPE MATCH=HEAT

PROCS	ECS	ECS FUEL	*****FUEL SAVINGS**** DIRECT OIL+GAS	DIRECT COAL	TOTAL OIL+GAS	TOTAL COAL	FESR	EMISSIONS SAVINGS DIRECT NOX	DIRECT SOX	DIRECT PART	TOTAL NOX	TOTAL SOX	TOTAL PART	EMSR	CAPITL SAVING	ELECTRIC POWER TOTAL EXPORT MWH	COST	LAEC SAVED
24921	STM088	RESIDU	0.	-0.003	0.	0.005	0.12	-1.	-1.	-0.	2.	3.	0.	0.12	0.	0.	56.	0.
24921	STM088	COAL-F	0.	-0.003	0.	0.005	0.12	-1.	-2.	-0.	2.	2.	0.	0.11	-3.	0.	63.	-0.
24921	STM088	COAL-A	0.	-0.003	0.	0.005	0.12	-0.	-2.	-0.	3.	2.	0.	0.14	-2.	0.	58.	-0.
24921	PFBSTM	COAL-P	0.	-0.010	0.	0.015	0.34	-0.	-6.	-0.	8.	7.	1.	0.40	-4.	0.	64.	-0.
24921	TISTMT	RESIDU	0.	-0.001	0.	0.001	0.03	-0.	-0.	-0.	0.	1.	0.	0.03	-1.	0.	70.	-0.
24921	TISTMT	COAL	0.	-0.013	0.	0.021	0.47	-5.	-8.	-1.	6.	11.	1.	0.45	-15.	0.	128.	-2.
24921	TIHRSG	RESIDU	0.	-0.001	0.	0.000	0.01	-0.	-0.	-0.	0.	0.	0.	0.01	-1.	0.	69.	-0.
24921	TIHRSG	COAL	0.	-0.012	0.	0.009	0.19	-4.	-8.	-1.	2.	4.	1.	0.17	-15.	0.	133.	-2.
24921	STIRL	DISTIL	0.	-0.001	0.	0.001	0.02	-0.	-0.	0.	1.	1.	0.	0.05	-0.	0.	71.	-0.
24921	STIRL	RESIDU	0.	-0.001	0.	0.001	0.02	-0.	-1.	-0.	0.	1.	0.	0.03	-0.	0.	63.	-0.
24921	STIRL	COAL	0.	-0.024	0.	0.019	0.42	-8.	-15.	-1.	5.	9.	1.	0.37	-2.	0.	55.	-0.
24921	STIRL	COAL	0.	-0.026	0.	0.020	0.42	-9.	-16.	-1.	6.	9.	1.	0.37	-1.	0.	47.	0.
24921	HEGT60	COAL-A	0.	-0.037	0.	0.005	0.12	-6.	-23.	-2.	8.	1.	1.	0.23	-13.	0.	125.	-2.
24921	HEGT60	COAL-A	0.	-0.084	0.	0.012	0.13	-15.	-50.	-4.	16.	2.	2.	0.22	-17.	5.	87.	-3.
24921	HEGT00	COAL-A	0.	-0.027	0.	0.007	0.16	-5.	-17.	-1.	6.	2.	1.	0.22	-9.	0.	93.	-1.
24921	FCSTCL	COAL	0.	-0.069	0.	0.012	0.14	1.	1.	-0.	27.	45.	5.	1.00	-9.	4.	73.	-2.
24921	GTSOAR	RESIDU	-0.002	0.	-0.002	0.004	0.03	-0.	-1.	-0.	1.	1.	0.	0.05	-1.	0.	63.	-0.
24921	GTAC08	RESIDU	0.	-0.001	0.	0.001	0.03	-0.	-0.	-0.	0.	1.	0.	0.03	-0.	0.	62.	-0.
24921	GTAC12	RESIDU	0.	-0.002	0.	0.002	0.04	-1.	-1.	-0.	0.	1.	0.	0.04	-0.	0.	62.	-0.
24921	GTAC16	RESIDU	0.	-0.040	0.	0.002	0.05	-21.	-16.	-3.	-8.	6.	-2.	-0.09	1.	0.	53.	-0.
24921	GTAC16	RESIDU	0.	-0.002	0.	0.002	0.04	-1.	-1.	-0.	1.	1.	0.	0.05	-0.	0.	62.	-0.
24921	GTWC16	RESIDU	0.	-0.041	0.	0.001	0.03	-22.	-17.	-3.	-8.	6.	-2.	-0.12	1.	0.	56.	-1.
24921	GTWC16	RESIDU	0.	-0.002	0.	0.002	0.04	-1.	-1.	-0.	1.	1.	0.	0.04	-1.	0.	63.	-0.
24921	CC1626	RESIDU	0.	-0.036	0.	0.007	0.15	-17.	-14.	-2.	-3.	8.	-1.	0.08	1.	0.	54.	-0.
24921	CC1626	RESIDU	0.	-0.003	0.	0.003	0.06	-1.	-1.	-0.	1.	2.	0.	0.06	-0.	0.	63.	-0.
24921	CC1622	RESIDU	0.	-0.036	0.	0.006	0.14	-18.	-15.	-2.	-4.	8.	-1.	0.05	1.	0.	53.	-0.
24921	CC1622	RESIDU	0.	-0.003	0.	0.002	0.05	-1.	-1.	-0.	1.	2.	0.	0.06	-0.	0.	63.	-0.
24921	CC1222	RESIDU	0.	-0.036	0.	0.006	0.14	-18.	-15.	-2.	-4.	8.	-1.	0.05	1.	0.	52.	-0.
24921	CC1222	RESIDU	0.	-0.003	0.	0.002	0.05	-1.	-1.	-0.	1.	2.	0.	0.06	-0.	0.	63.	-0.
24921	CC0822	RESIDU	0.	-0.039	0.	0.003	0.08	-20.	-16.	-3.	-7.	6.	-2.	-0.06	1.	0.	55.	-0.
24921	CC0822	RESIDU	0.	-0.002	0.	0.002	0.05	-1.	-1.	-0.	1.	1.	0.	0.05	-0.	0.	63.	-0.
24921	STIG15	RESIDU	0.	-0.035	0.	0.007	0.17	-13.	-14.	-2.	0.	8.	-1.	0.19	0.	0.	55.	-0.
24921	STIG15	RESIDU	0.	-0.121	0.	0.025	0.17	-65.	-48.	-4.	-19.	28.	-0.	0.06	5.	10.	46.	-2.
24921	STIG10	RESIDU	0.	-0.036	0.	0.007	0.15	-15.	-14.	-2.	-1.	8.	-1.	0.14	1.	0.	53.	-0.
24921	STIG10	RESIDU	0.	-0.010	0.	0.003	0.08	-4.	-4.	-1.	1.	3.	-0.	0.09	-0.	0.	61.	-0.
24921	STIG1S	RESIDU	0.	-0.039	0.	0.004	0.09	-18.	-16.	-2.	-4.	7.	-1.	0.04	1.	0.	54.	-0.
24921	STIG1S	RESIDU	0.	-0.006	0.	0.002	0.05	-2.	-2.	-0.	1.	2.	-0.	0.06	-0.	0.	62.	-0.
24921	DEADV3	RESIDU	0.	-0.035	0.	0.008	0.17	-18.	-14.	-2.	-5.	8.	-1.	0.06	-1.	0.	63.	-1.
24921	DEADV3	RESIDU	0.	-0.007	0.	0.003	0.07	-2.	-3.	-0.	1.	3.	-0.	0.08	-1.	0.	68.	-0.
24921	DEHTPM	RESIDU	0.	-0.042	0.	0.001	0.01	-33.	-17.	-3.	-20.	5.	-2.	-0.41	-1.	0.	69.	-1.
24921	DEHTPM	RESIDU	0.	-0.002	0.	0.002	0.04	-1.	-1.	-0.	1.	1.	0.	0.04	-1.	0.	64.	-0.
24921	DESOA3	DISTIL	-0.036	0.	-0.036	0.043	0.15	-19.	-5.	0.	-6.	17.	1.	0.30	-0.	0.	66.	-1.
24921	DESOA3	DISTIL	-0.009	0.	-0.009	0.012	0.07	-0.	-1.	0.	4.	5.	0.	0.22	-0.	0.	70.	-0.
24921	DESOA3	RESIDU	-0.036	0.	-0.036	0.043	0.15	-43.	-14.	-0.	-29.	10.	2.	-0.42	-0.	0.	60.	-1.
24921	DESOA3	RESIDU	-0.009	0.	-0.009	0.012	0.07	-1.	-3.	-0.	3.	3.	1.	0.16	-0.	0.	62.	-0.
24921	GTSOAD	DISTIL	-0.002	0.	-0.002	0.003	0.04	-0.	-0.	0.	1.	1.	0.	0.06	-0.	0.	70.	-0.

ISE PEG AES COGENERATION TECHNOLOGY ALTERNATIVES STUDY
FUEL UNITS = REPORT 6.1 FUEL AND EMISSIONS SAVINGS (SAVINGS ARE
EMISSION UNITS= TIME 1990 LEVEL ALL
COST =$*10**9 TYPE MATCH=POWR

PROCS	ECS	ECS FUEL	****DIRECT OIL+GAS	COAL	TOTAL OIL+GAS	COAL	FESR NOX	DIRECT SOX	PART	TOTAL NOX	SOX	PART	EMSR	CAPITL SAVING	ELECTRIC POWER TOTAL EXPORT MWH	COST	LAEC SAVED
24921	GTRA08	DISTIL	0.	-0.036	0.	0.006	0.14	-11.	-10.	-1.	3.	13.	2.	0.44	0.	0.	61.	-1.
24921	GTRA08	DISTIL	0.	-0.003	0.	0.002	0.06	-0.	-1.	0.	1.	2.	0.	0.10	-1.	0.	71.	-0.
24921	GTRA12	DISTIL	0.	-0.036	0.	0.006	0.14	-11.	-10.	-1.	3.	13.	2.	0.44	0.	0.	60.	-1.
24921	GTRA12	DISTIL	0.	-0.003	0.	0.002	0.06	-0.	-1.	0.	1.	2.	0.	0.10	-1.	0.	70.	-0.
24921	GTRA16	DISTIL	0.	-0.037	0.	0.005	0.12	-12.	-10.	-1.	2.	13.	2.	0.41	0.	0.	63.	-1.
24921	GTRA16	DISTIL	0.	-0.003	0.	0.002	0.05	-0.	-1.	0.	1.	2.	0.	0.09	-1.	0.	71.	-0.
24921	GTR208	DISTIL	0.	-0.041	0.	0.002	0.04	-14.	-11.	-1.	-0.	12.	2.	0.34	1.	0.	63.	-1.
24921	GTR208	DISTIL	0.	-0.002	0.	0.002	0.04	-0.	-0.	0.	1.	2.	0.	0.08	-1.	0.	70.	-0.
24921	GTR212	DISTIL	0.	-0.039	0.	0.003	0.07	-13.	-11.	-1.	1.	12.	2.	0.37	1.	0.	62.	-1.
24921	GTR212	DISTIL	0.	-0.002	0.	0.002	0.05	-0.	-0.	0.	1.	2.	0.	0.08	-1.	0.	70.	-0.
24921	GTR216	DISTIL	0.	-0.039	0.	0.004	0.09	-13.	-11.	-1.	1.	13.	2.	0.38	0.	0.	62.	-1.
24921	GTR216	DISTIL	0.	-0.002	0.	0.002	0.05	-0.	-0.	0.	1.	2.	0.	0.09	-1.	0.	70.	-0.
24921	GTRW08	DISTIL	0.	-0.037	0.	0.006	0.13	-11.	-10.	-1.	3.	13.	2.	0.43	0.	0.	63.	-1.
24921	GTRW08	DISTIL	0.	-0.004	0.	0.002	0.06	-1.	-1.	-0.	1.	3.	0.	0.11	-1.	0.	71.	-0.
24921	GTRW12	DISTIL	0.	-0.036	0.	0.007	0.16	-10.	-10.	-1.	3.	14.	2.	0.46	0.	0.	61.	-1.
24921	GTRW12	DISTIL	0.	-0.004	0.	0.003	0.06	-1.	-1.	-0.	1.	3.	0.	0.12	-1.	0.	71.	-0.
24921	GTRW16	DISTIL	0.	-0.036	0.	0.006	0.14	-11.	-10.	-1.	3.	13.	2.	0.44	0.	0.	63.	-1.
24921	GTRW16	DISTIL	0.	-0.004	0.	0.003	0.06	-1.	-1.	0.	1.	3.	0.	0.11	-1.	0.	71.	-0.
24921	GTR308	DISTIL	0.	-0.042	0.	0.001	0.01	-14.	-12.	-1.	0.	12.	2.	0.33	1.	0.	65.	-1.
24921	GTR308	DISTIL	0.	-0.003	0.	0.002	0.04	-1.	-1.	0.	1.	2.	0.	0.09	-1.	0.	71.	-0.
24921	GTR312	DISTIL	0.	-0.038	0.	0.005	0.10	-12.	-10.	-1.	2.	13.	2.	0.40	1.	0.	62.	-1.
24921	GTR312	DISTIL	0.	-0.003	0.	0.002	0.05	-0.	-1.	0.	1.	2.	0.	0.10	-1.	0.	71.	-0.
24921	GTR316	DISTIL	0.	-0.038	0.	0.004	0.10	-12.	-11.	-1.	2.	13.	2.	0.40	0.	0.	63.	-1.
24921	GTR316	DISTIL	0.	-0.003	0.	0.002	0.05	-0.	-1.	0.	1.	2.	0.	0.09	-1.	0.	71.	-0.
24921	FCPADS	DISTIL	0.	-0.034	0.	0.009	0.19	-7.	-7.	-0.	6.	16.	2.	0.61	1.	0.	67.	-1.
24921	FCPADS	DISTIL	0.	-0.008	0.	0.004	0.08	-2.	-2.	-0.	2.	4.	1.	0.17	-0.	0.	69.	-0.
24921	FCMCDS	DISTIL	0.	-0.031	0.	0.011	0.26	-11.	-7.	-0.	3.	17.	2.	0.53	0.	0.	64.	-1.
24921	FCMCDS	DISTIL	0.	-0.005	0.	0.004	0.09	-1.	-1.	-0.	2.	4.	1.	0.15	-0.	0.	69.	-0.
24	FCMCDS	DISTIL	-0.138	-2.496	-0.138	1.192	16.04	-308.	-969.	-37.	373.	1025.	99.	0.54	-463.	71.	18147.	-116.
26212	STM141	RESIDU	0.	-0.159	0.	0.263	0.29	-56.	-64.	-8.	79.	163.	11.	0.30	30.	0.	20.	8.
26212	STM141	COAL-F	0.	-0.159	0.	0.263	0.29	-56.	-190.	-8.	84.	55.	36.	0.21	1.	0.	33.	13.
26212	STM141	COAL-A	0.	-0.159	0.	0.263	0.29	81.	-190.	-8.	220.	55.	36.	0.37	20.	0.	23.	15.
26212	STM088	RESIDU	0.	-0.116	0.	0.191	0.21	-40.	-46.	-6.	57.	118.	8.	0.22	26.	0.	28.	7.
26212	STM088	COAL-F	0.	-0.116	0.	0.191	0.21	-40.	-164.	-6.	62.	18.	31.	0.13	-5.	0.	40.	10.
26212	STM088	COAL-A	0.	-0.116	0.	0.191	0.21	86.	-164.	-6.	189.	18.	31.	0.29	11.	0.	31.	12.
26212	PFBSTM	COAL-P	0.	-0.174	0.	0.273	0.30	101.	-199.	5.	249.	60.	50.	0.43	2.	0.	36.	12.
26212	PFBSTM	COAL-P	0.	-0.267	0.	0.419	0.36	110.	-255.	13.	335.	134.	72.	0.51	25.	22.	26.	15.
26212	TISTMT	RESIDU	0.	-0.173	0.	0.275	0.30	-61.	-69.	-9.	82.	170.	11.	0.32	-41.	0.	60.	-1.
26212	TISTMT	RESIDU	0.	-0.218	0.	0.346	0.33	-76.	-87.	-11.	104.	215.	14.	0.35	-44.	11.	56.	-2.
26212	TISTMT	COAL	0.	-0.173	0.	0.275	0.30	-61.	-199.	-9.	87.	60.	37.	0.22	-76.	0.	76.	3.
26212	TISTMT	COAL	0.	-0.354	0.	0.562	0.40	-124.	-307.	-18.	174.	208.	56.	0.35	-96.	44.	58.	1.
26212	TIHRSG	RESIDU	0.	-0.150	0.	0.125	0.14	-53.	-60.	-8.	35.	86.	3.	0.15	-56.	0.	80.	-6.
26212	TIHRSG	COAL	0.	-0.244	0.	0.202	0.22	-85.	-241.	-12.	62.	17.	33.	0.13	-115.	0.	101.	-4.
26212	STIRL	DISTIL	0.	-0.250	0.	0.198	0.22	-0.	-14.	11.	147.	245.	57.	0.54	11.	0.	41.	-3.
26212	STIRL	DISTIL	0.	-0.371	0.	0.295	0.26	-28.	-48.	9.	189.	330.	68.	0.57	21.	20.	39.	-5.
26212	STIRL	RESIDU	0.	-0.250	0.	0.198	0.22	-87.	-100.	-20.	55.	138.	-3.	0.23	11.	0.	37.	3.

ISE PEG AES COGENERATION TECHNOLOGY ALTERNATIVES STUDY
FUEL UNITS =
EMISSION UNITS=
COST =$=10**9
REPORT 6.1 FUEL AND EMISSIONS SAVINGS (SAVINGS ARE
TIME 1990 LEVEL ALL
TYPE MATCH=HEAT

PROCS	ECS	ECS FUEL	****FUEL SAVINGS**** DIRECT OIL+GAS	DIRECT COAL	TOTAL OIL+GAS	TOTAL COAL	FESR	EMISSIONS SAVINGS DIRECT NOX	DIRECT SOX	DIRECT PART	TOTAL NOX	TOTAL SOX	TOTAL PART	EMSR	CAPITL SAVING	ELECTRIC POWER TOTAL EXPORT MWH	ELECTRIC POWER COST	ELECTRIC POWER LAEC SAVED
26212	STIRL	RESIDU	0.	-0.371	0.	0.295	0.26	-130.	-148.	-33.	82.	204.	-9.	0.27	21.	20.	35.	2.
26212	STIRL	COAL	0.	-0.250	0.	0.198	0.22	-87.	-245.	-12.	60.	15.	33.	0.13	-27.	0.	53.	8.
26212	STIRL	COAL	0.	-0.602	0.	0.479	0.31	-211.	-456.	-30.	141.	149.	53.	0.24	-29.	59.	42.	6.
26212	HEGT85	COAL-A	0.	-0.384	0.	0.063	0.07	43.	-325.	-19.	191.	-66.	26.	0.18	-56.	0.	75.	1.
26212	HEGT85	COAL-A	0.	-4.771	0.	0.788	0.13	-786.	-2957.	-239.	1006.	97.	110.	0.22	-131.	479.	47.	-57.
26212	HEGT60	COAL-A	0.	-0.364	0.	0.084	0.09	41.	-313.	-18.	189.	-54.	27.	0.19	-50.	0.	71.	2.
26212	HEGT60	COAL-A	0.	-1.484	0.	0.341	0.15	-189.	-985.	-74.	401.	27.	53.	0.23	-26.	129.	44.	-6.
26212	HEGT00	COAL-A	0.	-0.346	0.	0.101	0.11	31.	-303.	-17.	179.	-44.	28.	0.20	-36.	0.	62.	4.
26212	HEGT00	COAL-A	0.	-0.571	0.	0.167	0.14	-24.	-437.	-29.	217.	-20.	34.	0.21	-26.	27.	50.	4.
26212	FCMCCL	COAL	0.	-0.910	0.	0.405	0.23	165.	189.	20.	592.	922.	117.	1.00	-0.	81.	40.	2.
26212	FCSTCL	COAL	0.	-1.187	0.	0.810	0.33	165.	189.	20.	811.	1295.	157.	1.00	31.	145.	33.	6.
26212	IGGTST	COAL	0.	-1.074	0.	0.314	0.17	-376.	-739.	16.	74.	34.	117.	0.13	11.	88.	37.	5.
26212	GTSOAR	RESIDU	-0.248	0.	-0.246	0.448	0.22	-55.	-93.	-2.	89.	152.	25.	0.41	25.	0.	29.	5.
26212	GTSOAR	RESIDU	-0.476	0.	-0.476	0.862	0.29	-144.	-179.	-4.	133.	292.	47.	0.46	53.	39.	27.	4.
26212	GTAC08	RESIDU	0.	-0.209	0.	0.238	0.26	-132.	-84.	-17.	11.	155.	1.	0.20	28.	0.	24.	7.
26212	GTAC08	RESIDU	0.	-0.309	0.	0.352	0.31	-230.	-124.	-28.	-20.	229.	-2.	0.20	44.	20.	23.	7.
26212	GTAC12	RESIDU	0.	-0.213	0.	0.235	0.25	-118.	-85.	-15.	24.	153.	3.	0.22	26.	0.	25.	6.
26212	GTAC12	RESIDU	0.	-0.394	0.	0.434	0.33	-281.	-158.	-35.	-18.	283.	-2.	0.22	53.	36.	23.	7.
26212	GTAC16	RESIDU	0.	-0.218	0.	0.230	0.25	-113.	-87.	-15.	29.	151.	3.	0.22	25.	0.	26.	6.
26212	GTAC16	RESIDU	0.	-0.458	0.	0.483	0.34	-319.	-183.	-40.	-20.	318.	-2.	0.23	58.	46.	24.	6.
26212	GTWC16	RESIDU	0.	-0.238	0.	0.209	0.23	-123.	-95.	-16.	19.	142.	1.	0.20	26.	0.	27.	5.
26212	GTWC16	RESIDU	0.	-0.522	0.	0.459	0.32	-358.	-209.	-45.	-46.	312.	-7.	0.19	64.	50.	25.	5.
26212	CC1626	RESIDU	0.	-0.241	0.	0.207	0.22	-105.	-96.	-14.	38.	141.	3.	0.22	22.	0.	30.	4.
26212	CC1626	RESIDU	0.	-0.832	0.	0.715	0.35	-544.	-333.	-68.	-52.	488.	-10.	0.23	102.	103.	25.	4.
26212	CC1622	RESIDU	0.	-0.231	0.	0.217	0.24	-102.	-92.	-14.	40.	146.	3.	0.23	21.	0.	29.	5.
26212	CC1622	RESIDU	0.	-0.717	0.	0.675	0.36	-475.	-287.	-60.	-32.	453.	-6.	0.24	86.	89.	25.	5.
26212	CC1222	RESIDU	0.	-0.229	0.	0.219	0.24	-101.	-91.	-14.	41.	147.	4.	0.23	22.	0.	29.	5.
26212	CC1222	RESIDU	0.	-0.707	0.	0.678	0.36	-469.	-283.	-59.	-28.	453.	-5.	0.25	89.	88.	24.	5.
26212	CC0822	RESIDU	0.	-0.213	0.	0.235	0.25	-102.	-85.	-14.	41.	153.	4.	0.24	26.	0.	25.	6.
26212	CC0822	RESIDU	0.	-0.524	0.	0.578	0.37	-359.	-210.	-45.	-8.	377.	-1.	0.26	72.	61.	23.	7.
26212	STIG15	RESIDU	0.	-0.370	0.	0.077	0.08	-150.	-148.	-17.	-8.	86.	-5.	0.09	21.	0.	41.	-1.
26212	STIG15	RESIDU	0.	-30.541	0.	6.387	0.17	-18369.	-12216.	-913.	-6718.	7063.	52.	0.01	2311.	3421.	36.	-470.
26212	STIG10	RESIDU	0.	-0.337	0.	0.111	0.12	-144.	-135.	-15.	-2.	100.	-2.	0.12	22.	0.	37.	1.
26212	STIG10	RESIDU	0.	-2.569	0.	0.646	0.22	-1586.	-1027.	-74.	-506.	763.	26.	0.08	214.	278.	34.	-28.
26212	STIG1S	RESIDU	0.	-0.321	0.	0.126	0.14	-145.	-129.	-13.	-4.	107.	0.	0.12	23.	0.	36.	2.
26212	STIG1S	RESIDU	0.	-1.438	0.	0.565	0.23	-907.	-575.	-40.	-274.	477.	21.	0.10	128.	146.	32.	-11.
26212	DEADV3	RESIDU	0.	-0.293	0.	0.155	0.17	-156.	-117.	-17.	-15.	119.	-2.	0.12	4.	0.	44.	0.
26212	DEADV3	RESIDU	0.	-1.493	0.	0.788	0.29	-1525.	-597.	-119.	-802.	605.	-44.	-0.09	53.	172.	40.	-19.
26212	DEHTPM	RESIDU	0.	-0.217	0.	0.230	0.25	-161.	-87.	-15.	-19.	151.	3.	0.16	5.	0.	37.	3.
26212	DEHTPM	RESIDU	0.	-0.467	0.	0.495	0.34	-550.	-187.	-40.	-244.	325.	-2.	0.06	18.	48.	35.	1.
26212	DESOA3	DISTIL	-0.317	0.	-0.317	0.448	0.14	-156.	50.	4.	-18.	271.	-1.	0.39	-4.	0.	56.	-8.
26212	DESOA3	DISTIL	-1.884	0.	-1.884	2.660	0.25	-3872.	-205.	4.	-3034.	1180.	67.	-0.66	14.	207.	52.	-54.
26212	DESOA3	RESIDU	-0.317	0.	-0.317	0.448	0.14	-431.	-119.	-3.	-287.	126.	24.	-0.21	-4.	0.	50.	-2.
26212	DESOA3	RESIDU	-1.884	0.	-1.884	2.660	0.25	-8330.	-709.	-15.	-7474.	746.	142.	-2.44	14.	207.	46.	-34.
26212	GTSOAD	DISTIL	-0.225	0.	-0.225	0.448	0.24	-40.	-37.	0.	103.	202.	18.	0.59	28.	0.	29.	0.
26212	GTSOAD	DISTIL	-0.401	0.	-0.401	0.799	0.31	-111.	-65.	0.	143.	360.	31.	0.62	54.	33.	27.	-1.

ISE PEG AES COGENERATION TECHNOLOGY ALTERNATIVES STUDY
FUEL UNITS = REPORT 6.1 FUEL AND EMISSIONS SAVINGS (SAVINGS ARE U
EMISSION UNITS= TIME 1990 LEVEL ALL
COST =$*10**9 TYPE MATCH=POWR

PROCS	ECS	ECS FUEL	****DIRECT FUEL SAVINGS**** OIL+GAS	COAL	-----TOTAL---- OIL+GAS	COAL	FESR	DIRECT EMISSIONS SAVINGS NOX	SOX	PART	TOTAL EMISSIONS SAVINGS NOX	SOX	PART	EMSR	CAPITL SAVING	ELECTRIC POWER TOTAL EXPORT MWH	COST	LAEC SAVED
26212	GTRA08	DISTIL	0.	-0.243	0.	0.205	0.22	-17.	-12.	12.	131.	247.	57.	0.52	20.	0.	35.	-1.
26212	GTRA08	DISTIL	0.	-0.725	0.	0.613	0.34	-263.	-148.	3.	171.	598.	102.	0.53	74.	83.	32.	-7.
26212	GTRA12	DISTIL	0.	-0.237	0.	0.211	0.23	-15.	-11.	12.	133.	249.	57.	0.53	20.	0.	35.	-1.
26212	GTRA12	DISTIL	0.	-0.690	0.	0.613	0.34	-249.	-138.	4.	173.	589.	100.	0.53	73.	80.	31.	-6.
26212	GTRA16	DISTIL	0.	-0.236	0.	0.212	0.23	-17.	-10.	12.	131.	249.	57.	0.53	18.	0.	35.	-1.
26212	GTRA16	DISTIL	0.	-0.638	0.	0.575	0.34	-229.	-123.	5.	165.	554.	96.	0.53	65.	72.	32.	-6.
26212	GTR208	DISTIL	0.	-0.236	0.	0.212	0.23	-23.	-10.	12.	125.	249.	57.	0.52	25.	0.	32.	-1.
26212	GTR208	DISTIL	0.	-0.528	0.	0.474	0.32	-185.	-93.	7.	141.	470.	85.	0.52	63.	52.	30.	-3.
26212	GTR212	DISTIL	0.	-0.237	0.	0.211	0.23	-21.	-10.	12.	127.	249.	57.	0.52	24.	0.	32.	-1.
26212	GTR212	DISTIL	0.	-0.569	0.	0.507	0.33	-201.	-104.	6.	149.	499.	89.	0.52	66.	59.	30.	-4.
26212	GTR216	DISTIL	0.	-0.233	0.	0.215	0.23	-18.	-9.	12.	129.	250.	57.	0.52	23.	0.	32.	-1.
26212	GTR216	DISTIL	0.	-0.573	0.	0.530	0.34	-202.	-105.	6.	156.	512.	90.	0.53	65.	61.	30.	-4.
26212	GTRW08	DISTIL	0.	-0.275	0.	0.173	0.19	-25.	-21.	11.	122.	238.	56.	0.50	20.	0.	38.	-3.
26212	GTRW08	DISTIL	0.	-0.979	0.	0.615	0.30	-365.	-219.	-1.	152.	667.	112.	0.49	96.	108.	34.	-13.
26212	GTRW12	DISTIL	0.	-0.262	0.	0.185	0.20	-20.	-18.	11.	128.	241.	57.	0.51	20.	0.	37.	-2.
26212	GTRW12	DISTIL	0.	-0.948	0.	0.670	0.32	-352.	-211.	-0.	172.	688.	114.	0.51	97.	110.	33.	-11.
26212	GTRW16	DISTIL	0.	-0.259	0.	0.188	0.20	-21.	-17.	11.	127.	242.	57.	0.51	20.	0.	37.	-2.
26212	GTRW16	DISTIL	0.	-0.867	0.	0.629	0.32	-320.	-188.	1.	165.	645.	108.	0.51	95.	98.	32.	-9.
26212	GTR308	DISTIL	0.	-0.286	0.	0.160	0.17	-37.	-25.	11.	110.	234.	56.	0.48	22.	0.	38.	-3.
26212	GTR308	DISTIL	0.	-0.783	0.	0.435	0.26	-286.	-164.	2.	109.	516.	93.	0.46	79.	72.	34.	-10.
26212	GTR312	DISTIL	0.	-0.256	0.	0.192	0.21	-23.	-16.	11.	125.	243.	57.	0.51	22.	0.	35.	-2.
26212	GTR312	DISTIL	0.	-0.742	0.	0.558	0.31	-270.	-153.	3.	152.	573.	99.	0.51	85.	80.	31.	-7.
26212	GTR316	DISTIL	0.	-0.257	0.	0.191	0.21	-24.	-16.	11.	124.	243.	57.	0.51	21.	0.	36.	-2.
26212	GTR316	DISTIL	0.	-0.734	0.	0.546	0.31	-267.	-150.	3.	148.	564.	98.	0.51	82.	78.	31.	-7.
26212	FCPADS	DISTIL	0.	-0.302	0.	0.146	0.16	-10.	-6.	12.	138.	253.	57.	0.34	8.	0.	58.	-10.
26212	[illegible]CPADS	DISTIL	0.	-1.897	0.	0.919	0.28	-307.	106.	19.	603.	1661.	204.	0.81	87.	222.	55.	-72.
26212	[illegible]CDS	DISTIL	0.	-0.252	0.	0.195	0.21	-28.	-0.	11.	120.	259.	57.	0.52	6.	0.	54.	-8.
26212	[illegible]DS	DISTIL	0.	-1.256	0.	0.972	0.36	-985.	104.	-3.	-264.	1337.	148.	0.49	59.	167.	50.	-45.
26214	[illegible]141	RESIDU	0.	-0.098	0.	0.162	0.25	-34.	-39.	-5.	49.	100.	7.	0.27	20.	0.	17.	5.
26214	STM141	RESIDU	0.	-0.132	0.	0.216	0.30	-46.	-53.	-7.	65.	135.	9.	0.32	29.	8.	15.	6.
26214	STM141	COAL-F	0.	-0.098	0.	0.162	0.25	-34.	-136.	-5.	52.	18.	26.	0.17	-4.	0.	39.	8.
26214	STM141	COAL-F	0.	-0.132	0.	0.218	0.30	-46.	-156.	-7.	69.	47.	30.	0.22	0.	8.	33.	9.
26214	STM141	COAL-A	0.	-0.098	0.	0.162	0.25	70.	-136.	-5.	156.	18.	26.	0.35	1.	0.	35.	9.
26214	STM141	COAL-A	0.	-0.132	0.	0.218	0.30	65.	-156.	-7.	180.	47.	30.	0.39	16.	8.	22.	11.
26214	STM088	RESIDU	0.	-0.097	0.	0.161	0.25	-34.	-39.	-5.	48.	99.	7.	0.27	23.	0.	14.	6.
26214	STM088	COAL-F	0.	-0.097	0.	0.161	0.25	-34.	-135.	-5.	52.	17.	26.	0.16	-4.	0.	38.	9.
26214	STM088	COAL-A	0.	-0.097	0.	0.161	0.25	70.	-135.	-5.	156.	17.	26.	0.34	9.	0.	26.	10.
26214	PFBSTM	COAL-P	0.	-0.101	0.	0.159	0.25	79.	-138.	1.	166.	16.	32.	0.37	-6.	0.	45.	7.
26214	PFBSTM	COAL-P	0.	-0.216	0.	0.341	0.36	90.	-207.	10.	272.	109.	59.	0.51	19.	28.	27.	10.
26214	TISTMT	RESIDU	0.	-0.100	0.	0.159	0.25	-35.	-40.	-5.	48.	99.	6.	0.26	-29.	0.	65.	-2.
26214	TISTMT	RESIDU	0.	-0.183	0.	0.290	0.34	-64.	-73.	-9.	87.	180.	12.	0.36	-37.	20.	57.	-4.
26214	TISTMT	COAL	0.	-0.100	0.	0.159	0.25	-35.	-137.	-5.	51.	16.	26.	0.16	-55.	0.	89.	1.
26214	TISTMT	COAL	0.	-0.286	0.	0.454	0.40	-100.	-249.	-14.	141.	168.	45.	0.34	-82.	45.	60.	-1.
26214	TIHRSG	RESIDU	0.	-0.205	0.	0.054	0.08	-72.	-82.	-10.	10.	54.	-3.	0.11	-53.	0.	102.	-8.
26214	TIHRSG	RESIDU	0.	-0.122	0.	0.101	0.16	-43.	-49.	-6.	28.	70.	2.	0.17	-47.	0.	91.	-5.
26214	TIHRSG	COAL	0.	-0.142	0.	0.118	0.18	-50.	-162.	-7.	37.	-9.	24.	0.09	-87.	0.	123.	-4.

ISE PEG AES COGENERATION TECHNOLOGY ALTERNATIVES STUDY
FUEL UNITS = REPORT 6.1 FUEL AND EMISSIONS SAVINGS (SAVINGS ARE
EMISSION UNITS= TIME 1980 LEVEL ALL
COST =$*10**9 TYPE MATCH=HEAT

PROCS	ECS	ECS FUEL	****DIRECT**** OIL+GAS	COAL	----TOTAL---- OIL+GAS	COAL	FESR	------DIRECT------ NOX	SOX	PART	********TOTAL******** NOX	SOX	PART	EMSR	CAPITL SAVING	ELECTRIC POWER TOTAL EXPORT MWH	COST	LAEC SAVED
26214	TIHRSG	COAL	0.	-0.191	0.	0.158	0.22	-67.	-191.	-10.	48.	11.	27.	0.13	-97.	8.	106.	-5.
26214	STIRL	DISTIL	0.	-0.145	0.	0.115	0.18	13.	5.	10.	99.	159.	41.	0.52	6.	0.	42.	-3.
26214	STIRL	DISTIL	0.	-0.301	0.	0.239	0.26	-23.	-39.	8.	154.	268.	55.	0.57	19.	26.	38.	-5.
26214	STIRL	RESIDU	0.	-0.145	0.	0.115	0.18	-51.	-58.	-10.	32.	80.	-1.	0.19	6.	0.	37.	2.
26214	STIRL	RESIDU	0.	-0.301	0.	0.239	0.26	-105.	-120.	-27.	66.	166.	-8.	0.27	19.	26.	34.	0.
26214	STIRL	COAL	0.	-0.145	0.	0.115	0.18	-51.	-164.	-7.	36.	-10.	24.	0.08	-19.	0.	58.	5.
26214	STIRL	COAL	0.	-0.471	0.	0.374	0.30	-165.	-360.	-24.	110.	114.	42.	0.24	-20.	55.	41.	4.
26214	HEGT85	COAL-A	0.	-0.223	0.	0.037	0.06	51.	-211.	-11.	137.	-57.	20.	0.17	-37.	0.	81.	1.
26214	HEGT85	COAL-A	0.	-3.731	0.	0.616	0.13	-612.	-2316.	-187.	789.	73.	86.	0.22	-78.	383.	45.	-43.
26214	HEGT60	COAL-A	0.	-0.211	0.	0.049	0.08	50.	-204.	-11.	136.	-50.	20.	0.18	-35.	0.	78.	2.
26214	HEGT60	COAL-A	0.	-1.160	0.	0.267	0.15	-146.	-773.	-58.	316.	19.	42.	0.23	-30.	109.	46.	-7.
26214	HEGT00	COAL-A	0.	-0.201	0.	0.059	0.09	44.	-198.	-10.	130.	-44.	21.	0.18	-31.	0.	73.	2.
26214	HEGT00	COAL-A	0.	-0.446	0.	0.131	0.14	-16.	-345.	-22.	172.	-18.	27.	0.21	-25.	30.	52.	1.
26214	FCNCCL	COAL	0.	-0.697	0.	0.331	0.23	134.	154.	17.	468.	728.	93.	1.00	-6.	72.	41.	0.
26214	FCSTCL	COAL	0.	-0.926	0.	0.666	0.34	134.	154.	16.	649.	1036.	126.	1.00	18.	125.	34.	3.
26214	IGGTST	COAL	0.	-0.837	0.	0.275	0.18	-293.	-580.	13.	68.	40.	94.	0.15	5.	80.	37.	3.
26214	GTSOAR	RESIDU	-0.144	0.	-0.144	0.260	0.18	-25.	-54.	-1.	58.	88.	14.	0.37	13.	0.	30.	3.
26214	GTSOAR	RESIDU	-0.387	0.	-0.387	0.700	0.29	-120.	-146.	-3.	105.	237.	38.	0.45	44.	41.	26.	2.
26214	GTAC08	RESIDU	0.	-0.121	0.	0.138	0.21	-65.	-49.	-8.	18.	90.	2.	0.19	15.	0.	25.	4.
26214	GTAC08	RESIDU	0.	-0.251	0.	0.286	0.31	-193.	-100.	-24.	-22.	186.	-2.	0.19	39.	26.	21.	5.
26214	GTAC12	RESIDU	0.	-0.124	0.	0.136	0.21	-57.	-49.	-8.	26.	89.	3.	0.20	14.	0.	26.	3.
26214	GTAC12	RESIDU	0.	-0.320	0.	0.352	0.33	-234.	-128.	-29.	-20.	230.	-2.	0.22	46.	39.	22.	5.
26214	GTAC16	RESIDU	0.	-0.126	0.	0.133	0.21	-54.	-51.	-7.	28.	88.	3.	0.21	14.	0.	27.	3.
26214	GTAC16	RESIDU	0.	-0.372	0.	0.393	0.34	-265.	-149.	-33.	-22.	258.	-3.	0.22	50.	47.	23.	4.
26214	GTWC16	RESIDU	0.	-0.138	0.	0.121	0.19	-60.	-55.	-8.	23.	83.	2.	0.18	14.	0.	29.	3.
26214	GTWC16	RESIDU	0.	-0.424	0.	0.373	0.32	-297.	-170.	-37.	-43.	253.	-7.	0.19	54.	50.	24.	3.
26214	CC1626	RESIDU	0.	-0.139	0.	0.120	0.19	-49.	-56.	-7.	34.	82.	3.	0.20	14.	0.	30.	3.
26214	CC1626	RESIDU	0.	-0.687	0.	0.593	0.36	-454.	-275.	-57.	-47.	405.	-9.	0.23	64.	96.	25.	2.
26214	CC1622	RESIDU	0.	-0.133	0.	0.126	0.20	-47.	-53.	-7.	35.	85.	3.	0.21	14.	0.	29.	3.
26214	CC1622	RESIDU	0.	-0.592	0.	0.560	0.36	-397.	-237.	-50.	-31.	375.	-5.	0.24	72.	84.	25.	3.
26214	CC1222	RESIDU	0.	-0.132	0.	0.127	0.20	-47.	-53.	-7.	36.	85.	3.	0.21	14.	0.	28.	3.
26214	CC1222	RESIDU	0.	-0.584	0.	0.563	0.37	-392.	-234.	-49.	-28.	376.	-5.	0.24	74.	83.	24.	3.
26214	CC0822	RESIDU	0.	-0.123	0.	0.136	0.21	-47.	-49.	-7.	36.	89.	4.	0.22	14.	0.	27.	3.
26214	CC0322	RESIDU	0.	-0.434	0.	0.480	0.37	-302.	-174.	-38.	-11.	313.	-1.	0.25	63.	61.	22.	5.
26214	STIG15	RESIDU	0.	-0.215	0.	0.045	0.07	-75.	-85.	-11.	7.	50.	-4.	0.09	10.	0.	43.	-1.
26214	STIG15	RESIDU	0.	-24.815	0.	5.189	0.17	-14931.	-9926.	-741.	-5464.	5739.	43.	0.01	1875.	2790.	37.	-384.
26214	STIG10	RESIDU	0.	-0.195	0.	0.064	0.10	-72.	-78.	-9.	10.	58.	-2.	0.11	14.	0.	37.	1.
26214	STIG10	RESIDU	0.	-2.087	0.	0.688	0.22	-1294.	-835.	-59.	-417.	620.	22.	0.08	172.	236.	34.	-24.
26214	STIG1S	RESIDU	0.	-0.186	0.	0.073	0.11	-73.	-75.	-9.	9.	62.	-1.	0.12	15.	0.	35.	1.
26214	STIG1S	RESIDU	0.	-1.169	0.	0.459	0.23	-743.	-467.	-32.	-228.	388.	18.	0.10	107.	128.	32.	-10.
26214	DEADV3	RESIDU	0.	-0.170	0.	0.090	0.14	-63.	-68.	-9.	19.	69.	-0.	0.15	4.	0.	42.	0.
26214	DEADV3	RESIDU	0.	-1.213	0.	0.640	0.29	-1253.	-485.	-97.	-666.	492.	-36.	-0.10	45.	149.	39.	-17.
26214	DEHTPM	RESIDU	0.	-0.126	0.	0.134	0.21	-66.	-50.	-7.	16.	88.	3.	0.19	3.	0.	38.	2.
26214	DEHTPM	RESIDU	0.	-0.379	0.	0.402	0.34	-461.	-152.	-33.	-212.	264.	-2.	0.05	17.	49.	35.	-1.
26214	DESOA3	DISTIL	-0.184	0.	-0.184	0.260	0.12	4.	53.	3.	83.	178.	-4.	0.59	-1.	0.	54.	-5.
26214	DESOA3	DISTIL	-1.531	0.	-1.531	2.161	0.25	-3190.	-166.	3.	-2509.	958.	54.	-0.68	13.	178.	51.	-45.

ISF PEG AES COGENERATION TECHNOLOGY ALTERNATIVES STUDY

FUEL UNITS = REPORT 6.1 FUEL AND EMISSIONS SAVINGS (SAVINGS ARE

EMISSION UNITS= TIME 1990 LEVEL ALL

COST =$*10**9 TYPE MATCH=POWR

PROCS	ECS	ECS FUEL	*****F U E L S A V I N G S***** ****DIRECT***** OIL+GAS	COAL	-----TOTAL---- OIL+GAS	COAL	FESR	- - - E M I S S I O N S S A V I N G S - - - -------DIRECT------- NOX	SOX	PART	********TOTAL******** NOX	SOX	PART	EISR	CAPITL SAVING	--ELECTRIC POWER--- TOTAL EXPORT MWH	COST LAEC	SAVED
26214	DESOA3	RESIDU	-0.184	0.	-0.184	0.260	0.12	-71.	-69.	-1.	13.	73.	14.	0.23	-1.	0.	49.	-1.
26214	DESOA3	RESIDU	-1.531	0.	-1.531	2.161	0.25	-6861.	-576.	-12.	-6165.	606.	116.	-2.48	13.	178.	46.	-29.
26214	GTSOAD	DISTIL	-0.130	0.	-0.130	0.260	0.20	-15.	-21.	0.	68.	117.	10.	0.57	16.	0.	30.	-1.
26214	GTSOAD	DISTIL	-0.326	0.	-0.326	0.649	0.31	-95.	-53.	0.	112.	292.	25.	0.61	47.	37.	26.	-2.
26214	GTRA08	DISTIL	0.	-0.141	0.	0.119	0.18	11.	5.	10.	98.	160.	41.	0.52	12.	0.	35.	-2.
26214	GTRA08	DISTIL	0.	-0.589	0.	0.498	0.34	-218.	-120.	3.	135.	486.	82.	0.52	67.	78.	30.	-6.
26214	GTRA12	DISTIL	0.	-0.138	0.	0.122	0.19	12.	7.	10.	99.	161.	41.	0.52	12.	0.	34.	-2.
26214	GTRA12	DISTIL	0.	-0.561	0.	0.498	0.34	-207.	-112.	3.	137.	478.	81.	0.53	64.	75.	30.	-6.
26214	GTRA16	DISTIL	0.	-0.137	0.	0.123	0.19	11.	7.	10.	98.	161.	41.	0.52	11.	0.	35.	-2.
26214	GTRA16	DISTIL	0.	-0.519	0.	0.467	0.34	-190.	-100.	4.	130.	450.	78.	0.53	57.	68.	31.	-6.
26214	GTR208	DISTIL	0.	-0.137	0.	0.123	0.19	8.	7.	10.	94.	161.	41.	0.51	13.	0.	33.	-1.
26214	GTR208	DISTIL	0.	-0.429	0.	0.385	0.32	-154.	-75.	5.	111.	382.	69.	0.51	52.	52.	29.	-4.
26214	GTR212	DISTIL	0.	-0.137	0.	0.122	0.19	9.	7.	10.	95.	161.	41.	0.51	13.	0.	34.	-2.
26214	GTR212	DISTIL	0.	-0.462	0.	0.412	0.33	-167.	-84.	5.	117.	405.	72.	0.52	54.	58.	30.	-5.
26214	GTR216	DISTIL	0.	-0.135	0.	0.125	0.19	10.	8.	10.	97.	161.	41.	0.52	12.	0.	34.	-2.
26214	GTR216	DISTIL	0.	-0.465	0.	0.431	0.34	-168.	-85.	5.	123.	416.	73.	0.52	53.	60.	30.	-5.
26214	GTRW08	DISTIL	0.	-0.160	0.	0.100	0.16	6.	1.	10.	93.	154.	41.	0.50	13.	0.	38.	-3.
26214	GTRW08	DISTIL	0.	-0.796	0.	0.500	0.30	-301.	-178.	-1.	119.	542.	91.	0.49	83.	97.	33.	-11.
26214	GTRW12	DISTIL	0.	-0.152	0.	0.108	0.17	9.	3.	10.	96.	156.	41.	0.51	13.	0.	36.	-2.
26214	GTRW12	DISTIL	0.	-0.770	0.	0.544	0.32	-290.	-171.	-0.	135.	559.	93.	0.51	85.	99.	31.	-10.
26214	GTRW16	DISTIL	0.	-0.150	0.	0.109	0.17	9.	3.	10.	95.	157.	41.	0.51	12.	0.	37.	-2.
26214	GTRW16	DISTIL	0.	-0.704	0.	0.511	0.32	-264.	-153.	1.	130.	524.	88.	0.51	77.	90.	32.	-9.
26214	GTR308	DISTIL	0.	-0.167	0.	0.093	0.14	-1.	-1.	10.	86.	152.	41.	0.48	13.	0.	38.	-3.
26214	GTR308	DISTIL	0.	-0.636	0.	0.353	0.26	-237.	-133.	2.	85.	419.	76.	0.46	66.	68.	33.	-10.
26214	GTR312	DISTIL	0.	-0.148	0.	0.111	0.17	8.	4.	10.	94.	158.	41.	0.51	13.	0.	35.	-2.
26214	GTR312	DISTIL	0.	-0.603	0.	0.453	0.31	-224.	-124.	2.	119.	465.	80.	0.50	69.	75.	31.	-7.
26214	GTR316	DISTIL	0.	-0.149	0.	0.111	0.17	7.	4.	10.	94.	157.	41.	0.50	13.	0.	36.	-2.
26214	GTR316	DISTIL	0.	-0.596	0.	0.444	0.31	-221.	-122.	3.	117.	458.	80.	0.50	66.	73.	31.	-7.
26214	FCPADS	DISTIL	0.	-0.175	0.	0.065	0.13	6.	-3.	10.	93.	150.	41.	0.49	6.	0.	57.	-7.
26214	FCPADS	DISTIL	0.	-1.542	0.	0.747	0.28	-248.	93.	16.	491.	1356.	166.	0.82	72.	190.	54.	-60.
26214	FCMCDS	DISTIL	0.	-0.146	0.	0.113	0.18	13.	4.	10.	99.	158.	41.	0.51	5.	0.	52.	-5.
26214	FCMCDS	DISTIL	0.	-1.021	0.	0.790	0.36	-813.	91.	-2.	-227.	1093.	120.	0.49	50.	145.	50.	-38.
26216	STM141	RESIDU	0.	-0.061	0.	0.101	0.21	-21.	-24.	-3.	30.	63.	4.	0.22	14.	0.	19.	3.
26216	STM141	COAL-F	0.	-0.061	0.	0.101	0.21	-21.	-97.	-3.	33.	1.	19.	0.12	-0.	0.	35.	7.
26216	STM141	COAL-A	0.	-0.061	0.	0.101	0.21	57.	-97.	-3.	111.	1.	19.	0.30	7.	0.	25.	8.
26216	STM088	RESIDU	0.	-0.044	0.	0.073	0.15	-15.	-18.	-2.	22.	45.	3.	0.16	10.	0.	31.	2.
26216	STM088	COAL-F	0.	-0.044	0.	0.073	0.15	-15.	-87.	-2.	25.	-14.	17.	0.06	-2.	0.	42.	6.
26216	STM088	COAL-A	0.	-0.044	0.	0.073	0.15	59.	-87.	-2.	99.	-14.	17.	0.24	4.	0.	33.	6.
26216	PFBSTM	COAL-P	0.	-0.070	0.	0.109	0.23	72.	-103.	6.	132.	4.	29.	0.38	-6.	0.	47.	5.
26216	PFBSTM	COAL-P	0.	-0.104	0.	0.162	0.29	76.	-123.	9.	163.	32.	37.	0.45	3.	8.	32.	7.
26216	TISTMT	RESIDU	0.	-0.069	0.	0.110	0.23	-24.	-28.	-3.	33.	68.	4.	0.24	-23.	0.	70.	-2.
26216	TISTMT	RESIDU	0.	-0.138	0.	0.218	0.33	-48.	-55.	-7.	65.	136.	9.	0.35	-35.	17.	61.	-4.
26216	TISTMT	COAL	0.	-0.069	0.	0.110	0.23	-24.	-102.	-3.	36.	5.	19.	0.14	-44.	0.	97.	1.
26216	TISTMT	COAL	0.	-0.138	0.	0.218	0.33	-48.	-143.	-7.	69.	61.	26.	0.26	-56.	17.	72.	-0.
26216	TIHRSG	RESIDU	0.	-0.096	0.	0.080	0.17	-34.	-38.	-5.	22.	55.	2.	0.18	-42.	0.	100.	-5.
26216	TIHRSG	COAL	0.	-0.096	0.	0.080	0.17	-34.	-118.	-5.	25.	-13.	18.	0.07	-61.	0.	123.	-2.

DATE 06/08/79

GENERAL ELECTRIC COMPANY

COGENERATION TECHNOLOGY ALTERNATIVES STUDY
REPORT 6.1 FUEL AND EMISSIONS SAVINGS (SAVINGS ARE
TIME 1990 LEVEL ALL
TYPE MATCH=PWR

ISE PEG AES
FUEL UNITS =
EMISSION UNITS=
COST =$*10**9

PROCS	ECS	ECS FUEL	FUEL SAVINGS DIRECT		FUEL SAVINGS TOTAL		FESR	EMISSIONS SAVINGS DIRECT			EMISSIONS SAVINGS TOTAL			EMSR	CAPITL SAVING	ELECTRIC POWER TOTAL EXPORT MWH	COST	LAEC SAVED
			OIL+GAS	COAL	OIL+GAS	COAL		NOX	SOX	PART	NOX	SOX	PART					
26216	STIRL	DISTIL	0.	-0.100	0.	0.079	0.16	13.	8.	8.	73.	115.	31.	0.51	7.	0.	38.	-2.
26216	STIRL	DISTIL	0.	-0.237	0.	0.188	0.26	-18.	-31.	6.	121.	211.	43.	0.57	16.	23.	37.	-4.
26216	STIRL	RESIDU	0.	-0.100	0.	0.079	0.16	-35.	-40.	-11.	22.	55.	-4.	0.17	7.	0.	34.	1.
26216	STIRL	RESIDU	0.	-0.237	0.	0.188	0.26	-83.	-95.	-26.	52.	131.	-10.	0.26	16.	23.	33.	0.
26216	STIRL	COAL	0.	-0.100	0.	0.079	0.16	-35.	-121.	-5.	25.	-13.	18.	0.07	-13.	0.	57.	4.
26216	STIRL	COAL	0.	-0.237	0.	0.188	0.26	-83.	-203.	-12.	56.	39.	25.	0.18	-10.	23.	42.	4.
26216	HEGT85	COAL-A	0.	-0.154	0.	0.025	0.05	36.	-153.	-8.	96.	-46.	15.	0.15	-31.	0.	88.	1.
26216	HEGT85	COAL-A	0.	-1.878	0.	0.310	0.12	-290.	-1187.	-94.	417.	18.	48.	0.21	-37.	188.	45.	-19.
26216	HEGT60	COAL-A	0.	-0.146	0.	0.033	0.07	35.	-148.	-7.	95.	-41.	15.	0.16	-29.	0.	84.	1.
26216	HEGT60	COAL-A	0.	-0.584	0.	0.134	0.13	-55.	-411.	-29.	178.	-9.	25.	0.21	-34.	51.	52.	-4.
26216	HEGT00	COAL-A	0.	-0.139	0.	0.041	0.08	31.	-144.	-7.	91.	-37.	16.	0.16	-25.	0.	78.	2.
26216	HEGT00	COAL-A	0.	-0.225	0.	0.066	0.11	10.	-195.	-11.	106.	-28.	18.	0.18	-22.	10.	60.	2.
26216	FCMCCL	COAL	0.	-0.084	0.	0.096	0.20	37.	2.	5.	97.	109.	28.	0.54	-22.	0.	70.	3.
26216	FCMCCL	COAL	0.	-0.241	0.	0.276	0.34	106.	121.	14.	275.	413.	57.	1.00	-14.	32.	42.	3.
26216	FCSTCL	COAL	0.	-0.080	0.	0.099	0.21	24.	-19.	3.	84.	88.	26.	0.46	-21.	0.	68.	3.
26216	FCSTCL	COAL	0.	-0.348	0.	0.432	0.40	106.	121.	14.	359.	557.	72.	1.00	-5.	56.	36.	4.
26216	IGGTST	COAL	0.	-0.101	0.	0.079	0.16	-35.	-121.	4.	25.	-14.	27.	0.09	-20.	0.	66.	3.
26216	IGGTST	COAL	0.	-0.304	0.	0.237	0.28	-106.	-243.	12.	70.	62.	56.	0.25	-7.	34.	38.	5.
26216	GTSOAR	RESIDU	-0.099	0.	-0.099	0.179	0.17	-39.	-37.	-1.	19.	61.	10.	0.28	10.	0.	29.	2.
26216	GTSOAR	RESIDU	-0.305	0.	-0.305	0.551	0.29	-119.	-115.	-2.	59.	187.	30.	0.42	36.	35.	26.	2.
26216	GTAC08	RESIDU	0.	-0.084	0.	0.095	0.20	-82.	-34.	-10.	-25.	62.	-3.	0.08	12.	0.	23.	3.
26216	GTAC08	RESIDU	0.	-0.198	0.	0.225	0.31	-195.	-79.	-23.	-60.	146.	-6.	0.12	30.	23.	21.	3.
26216	GTAC12	RESIDU	0.	-0.085	0.	0.094	0.19	-77.	-34.	-9.	-20.	61.	-2.	0.09	11.	0.	24.	3.
26216	GTAC12	RESIDU	0.	-0.252	0.	0.277	0.33	-227.	-101.	-27.	-59.	181.	-6.	0.15	36.	33.	22.	3.
26216	GTAC16	RESIDU	0.	-0.087	0.	0.092	0.19	-75.	-35.	-9.	-18.	60.	-2.	0.09	11.	0.	26.	2.
26216	GTAC16	RESIDU	0.	-0.293	0.	0.309	0.34	-252.	-117.	-30.	-60.	203.	-7.	0.17	39.	40.	23.	3.
26216	GTWC16	RESIDU	0.	-0.095	0.	0.084	0.17	-79.	-38.	-10.	-22.	57.	-3.	0.07	11.	0.	27.	2.
26216	GTWC16	RESIDU	0.	-0.334	0.	0.293	0.32	-276.	-134.	-34.	-77.	200.	-10.	0.13	42.	42.	24.	2.
26216	CC1626	RESIDU	0.	-0.096	0.	0.083	0.17	-72.	-39.	-9.	-15.	57.	-2.	0.09	11.	0.	28.	2.
26216	CC1626	RESIDU	0.	-0.529	0.	0.454	0.35	-393.	-212.	-48.	-81.	310.	-11.	0.18	64.	75.	25.	1.
26216	CC1622	RESIDU	0.	-0.092	0.	0.087	0.18	-71.	-37.	-9.	-14.	58.	-2.	0.10	11.	0.	27.	2.
26216	CC1622	RESIDU	0.	-0.456	0.	0.428	0.36	-349.	-182.	-43.	-68.	287.	-9.	0.19	56.	66.	25.	2.
26216	CC1222	RESIDU	0.	-0.092	0.	0.088	0.18	-70.	-37.	-9.	-13.	59.	-2.	0.10	11.	0.	26.	2.
26216	CC1222	RESIDU	0.	-0.449	0.	0.430	0.36	-345.	-180.	-42.	-66.	288.	-8.	0.20	57.	66.	24.	2.
26216	CC0822	RESIDU	0.	-0.085	0.	0.094	0.19	-71.	-34.	-9.	-14.	61.	-1.	0.11	11.	0.	25.	2.
26216	CC0822	RESIDU	0.	-0.333	0.	0.366	0.37	-275.	-133.	-33.	-53.	239.	-5.	0.20	47.	49.	22.	3.
26216	STIG15	RESIDU	0.	-0.143	0.	0.031	0.06	-89.	-59.	-4.	-33.	34.	0.	0.00	6.	0.	45.	-1.
26216	STIG15	RESIDU	0.	-19.534	0.	4.085	0.17	-11796.	-7813.	-580.	-4344.	4517.	37.	0.01	1471	2198.	37.	-303.
26216	STIG10	RESIDU	0.	-0.135	0.	0.044	0.09	-87.	-54.	-4.	-30.	40.	2.	0.03	10.	0.	37.	0.
26216	STIG10	RESIDU	0.	-1.643	0.	0.541	0.22	-1062.	-657.	-43.	-371.	488.	20.	0.06	135.	188.	34.	-19.
26216	STIG1S	RESIDU	0.	-0.129	0.	0.051	0.10	-88.	-51.	-3.	-31.	43.	2.	0.03	10.	0.	35.	1.
26216	STIG1S	RESIDU	0.	-0.920	0.	0.361	0.23	-628.	-368.	-22.	-222.	305.	18.	0.07	83.	103.	32.	-8.
26216	DEADV3	RESIDU	0.	-0.117	0.	0.062	0.13	-134.	-47.	-10.	-77.	48.	-4.	-0.08	4.	0.	41.	0.
26216	DEADV3	RESIDU	0.	-0.955	0.	0.504	0.29	-1089.	-382.	-81.	-627.	387.	-33.	-0.17	36.	120.	39.	-13.
26216	DEHTPM	RESIDU	0.	-0.087	0.	0.092	0.19	-136.	-35.	-9.	-79.	61.	-2.	-0.05	5.	0.	35.	1.
26216	DEHTPM	RESIDU	0.	-0.298	0.	0.317	0.34	-466.	-119.	-31.	-270.	208.	-6.	-0.08	14.	41.	34.	-1.

ISE PEG AES COGENERATION TECHNOLOGY ALTERNATIVES STUDY
FUEL UNITS = REPORT 6.1 FUEL AND EMISSIONS SAVINGS (SAVINGS ARE
EMISSION UNITS= TIME 1990 LEVEL ALL
COST =$x10**9 TYPE MATCH=POWR

PROCS	ECS	ECS FUEL	FUEL SAVINGS DIRECT OIL+GAS	FUEL SAVINGS DIRECT COAL	FUEL SAVINGS TOTAL OIL+GAS	FUEL SAVINGS TOTAL COAL	EMISSIONS SAVINGS FESR NOX	EMISSIONS SAVINGS DIRECT SOX	EMISSIONS SAVINGS DIRECT PART	EMISSIONS SAVINGS TOTAL NOX	EMISSIONS SAVINGS TOTAL SOX	EMISSIONS SAVINGS TOTAL PART	EMSR	CAPITL SAVING	ELECTRIC POWER TOTAL EXPORT MWH	COST	LAEC SAVED
26216	DESOA3	DISTIL	-0.127	0.	-0.127	0.179	0.11	-275.	44.	2.	-221.	129.	-4.	-0.30	1.	0.	53.	-4.
26216	DESOA3	DISTIL	-1.205	0.	-1.205	1.701	0.25	-2832.	-131.	2.	-2296.	754.	43.	-0.87	10.	143.	51.	-36.
26216	DESOA3	RESIDU	-0.127	0.	-0.127	0.179	0.11	-640.	-48.	-1.	-582.	50.	10.	-1.65	1.	0.	48.	-0.
26216	DESOA3	RESIDU	-1.205	0.	-1.205	1.701	0.25	-6075.	-454.	-10.	-5528.	477.	91.	-2.87	10.	143.	46.	-23.
26216	GTSOAD	DISTIL	-0.090	0.	-0.090	0.179	0.18	-37.	-15.	0.	20.	81.	7.	0.44	12.	0.	28.	-1.
26216	GTSOAD	DISTIL	-0.257	0.	-0.257	0.511	0.31	-104.	-42.	0.	58.	230.	20.	0.56	37.	31.	25.	-2.
26216	GTRA08	DISTIL	0.	-0.097	0.	0.082	0.17	-13.	9.	8.	47.	116.	31.	0.45	10.	0.	33.	-1.
26216	GTRA08	DISTIL	0.	-0.464	0.	0.392	0.34	-201.	-95.	2.	77.	382.	65.	0.49	51.	63.	31.	-6.
26216	GTRA12	DISTIL	0.	-0.095	0.	0.084	0.17	-13.	9.	8.	47.	116.	31.	0.45	10.	0.	33.	-1.
26216	GTRA12	DISTIL	0.	-0.441	0.	0.392	0.34	-192.	-88.	3.	79.	377.	64.	0.50	51.	61.	30.	-5.
26216	GTRA16	DISTIL	0.	-0.094	0.	0.085	0.18	-13.	9.	8.	47.	116.	31.	0.45	9.	0.	34.	-1.
26216	GTRA16	DISTIL	0.	-0.408	0.	0.368	0.34	-178.	-79.	3.	74.	355.	61.	0.50	45.	56.	30.	-5.
26216	GTR208	DISTIL	0.	-0.094	0.	0.085	0.18	-16.	9.	8.	44.	116.	31.	0.44	11.	0.	31.	-1.
26216	GTR208	DISTIL	0.	-0.338	0.	0.303	0.32	-150.	-59.	4.	58.	301.	54.	0.48	41.	43.	29.	-3.
26216	GTR212	DISTIL	0.	-0.095	0.	0.084	0.17	-15.	9.	8.	45.	116.	31.	0.45	10.	0.	32.	-1.
26216	GTR212	DISTIL	0.	-0.364	0.	0.324	0.33	-161.	-66.	4.	63.	319.	57.	0.48	43.	48.	29.	-4.
26216	GTR216	DISTIL	0.	-0.093	0.	0.086	0.18	-14.	10.	8.	46.	117.	31.	0.45	10.	0.	32.	-1.
26216	GTR216	DISTIL	0.	-0.366	0.	0.339	0.34	-162.	-67.	4.	67.	328.	58.	0.49	43.	49.	30.	-4.
26216	GTRW08	DISTIL	0.	-0.110	0.	0.069	0.14	-17.	5.	8.	43.	112.	31.	0.43	10.	0.	36.	-2.
26216	GTRW08	DISTIL	0.	-0.626	0.	0.393	0.30	-256.	-140.	-1.	65.	426.	72.	0.46	66.	79.	33.	-9.
26216	GTRW12	DISTIL	0.	-0.105	0.	0.074	0.15	-15.	6.	8.	45.	113.	31.	0.44	10.	0.	35.	-2.
26216	GTRW12	DISTIL	0.	-0.606	0.	0.428	0.32	-253.	-135.	-0.	77.	440.	73.	0.48	67.	80.	31.	-8.
26216	GTRW16	DISTIL	0.	-0.104	0.	0.075	0.16	-15.	7.	8.	45.	114.	31.	0.44	9.	0.	35.	-2.
26216	GTRW16	DISTIL	0.	-0.555	0.	0.403	0.32	-237.	-120.	1.	73.	412.	69.	0.48	60.	73.	31.	-7.
26216	GTR308	DISTIL	0.	-0.115	0.	0.064	0.13	-22.	4.	8.	38.	111.	31.	0.42	10.	0.	37.	-2.
26216	GTR308	DISTIL	0.	-0.500	0.	0.278	0.26	-215.	-105.	2.	37.	330.	60.	0.43	51.	56.	34.	-8.
26216	GTR312	DISTIL	0.	-0.102	0.	0.077	0.16	-16.	7.	8.	44.	114.	31.	0.44	10.	0.	34.	-2.
26216	GTR312	DISTIL	0.	-0.475	0.	0.357	0.31	-205.	-98.	2.	65.	366.	63.	0.48	55.	61.	30.	-6.
26216	GTR316	DISTIL	0.	-0.103	0.	0.076	0.16	-16.	7.	8.	44.	114.	31.	0.44	10.	0.	34.	-2.
26216	GTR316	DISTIL	0.	-0.469	0.	0.349	0.31	-203.	-96.	2.	63.	361.	63.	0.47	53.	60.	31.	-6.
26216	FCPADS	DISTIL	0.	-0.121	0.	0.058	0.12	14.	44.	11.	74.	152.	33.	0.60	5.	0.	55.	-5.
26216	FCPADS	DISTIL	0.	-1.214	0.	0.588	0.28	-190.	121.	15.	392.	1116.	134.	0.85	57.	152.	54.	-47.
26216	FCMCDS	DISTIL	0.	-0.101	0.	0.076	0.16	-60.	46.	9.	0.	154.	31.	0.40	5.	0.	51.	-4.
26216	FCMCDS	DISTIL	0.	-0.803	0.	0.622	0.36	-729.	120.	-1.	-269.	908.	95.	0.46	40.	117.	50.	-30.
26217	STM141	RESIDU	0.	-0.033	0.	0.055	0.12	-12.	-13.	-2.	16.	34.	2.	0.13	4.	0.	48.	1.
26217	STM141	COAL-F	0.	-0.033	0.	0.055	0.12	-12.	-56.	-2.	18.	-2.	11.	0.06	-5.	0.	46.	3.
26217	STM141	COAL-A	0.	-0.033	0.	0.055	0.12	34.	-56.	-2.	64.	-2.	11.	0.17	-0.	0.	42.	4.
26217	STM088	RESIDU	0.	-0.023	0.	0.038	0.08	-8.	-9.	-1.	12.	24.	2.	0.09	3.	0.	51.	1.
26217	STM088	COAL-F	0.	-0.023	0.	0.038	0.08	-8.	-50.	-1.	13.	-11.	10.	0.03	-6.	0.	48.	3.
26217	STM088	COAL-A	0.	-0.023	0.	0.038	0.08	36.	-50.	-1.	57.	-11.	10.	0.13	-2.	0.	44.	3.
26217	PFBSTM	COAL-P	0.	-0.058	0.	0.091	0.20	45.	-71.	5.	95.	16.	22.	0.32	-4.	0.	44.	4.
26217	TISTMT	RESIDU	0.	-0.078	0.	0.124	0.27	-27.	-31.	-4.	37.	77.	5.	0.28	-29.	0.	69.	-2.
26217	TISTMT	COAL	0.	-0.078	0.	0.124	0.27	-27.	-83.	-4.	39.	33.	15.	0.21	-44.	0.	75.	-0.
26217	TIHRSG	RESIDU	0.	-0.057	0.	0.047	0.10	-20.	-23.	-3.	13.	33.	1.	0.11	-32.	0.	81.	-4.
26217	TIHRSG	COAL	0.	-0.057	0.	0.047	0.10	-20.	-70.	-3.	15.	-8.	11.	0.04	-46.	0.	83.	-2.
26217	STIRL	DISTIL	0.	-0.141	0.	0.112	0.24	-11.	-18.	4.	72.	126.	26.	0.53	8.	0.	42.	-1.

ISE PEG AES COGENERATION TECHNOLOGY ALTERNATIVES STUDY
FUEL UNITS = REPORT 6.1 FUEL AND EMISSIONS SAVINGS (SAVINGS ARE
EMISSION UNITS= TIME 1990 LEVEL ALL
COST =$*10**9 TYPE MATCH=HEAT

PROCS	ECS	ECS FUEL	*****FUEL SAVINGS***** DIRECT OIL+GAS	DIRECT COAL	TOTAL OIL+GAS	TOTAL COAL	FESR	EMISSIONS SAVINGS DIRECT NOX	DIRECT SOX	DIRECT PART	TOTAL NOX	TOTAL SOX	TOTAL PART	EMSR	CAPITL SAVING	ELECTRIC POWER TOTAL EXPORT MWH	COST	LAEC SAVED
26217	STIRL	RESIDU	0.	-0.141	0.	0.112	0.24	-49.	-57.	-16.	31.	78.	-6.	0.25	7.	0.	37.	2.
26217	STIRL	COAL	0.	-0.141	0.	0.112	0.24	-49.	-121.	-7.	34.	23.	15.	0.17	-8.	0.	44.	4.
26217	HEGT85	COAL-A	0.	-0.241	0.	0.040	0.09	-7.	-181.	-12.	85.	-22.	12.	0.18	-38.	0.	77.	-1.
26217	HEGT85	COAL-A	0.	-1.119	0.	0.185	0.12	-173.	-708.	-56.	248.	11.	28.	0.21	-46.	96.	50.	-12.
26217	HEGT60	COAL-A	0.	-0.228	0.	0.052	0.11	-8.	-173.	-11.	84.	-14.	12.	0.20	-33.	0.	71.	-1.
26217	HEGT60	COAL-A	0.	-0.348	0.	0.080	0.13	-33.	-245.	-17.	106.	-5.	15.	0.21	-33.	14.	60.	-1.
26217	HEGT00	COAL-A	0.	-0.134	0.	0.039	0.09	6.	-117.	-7.	63.	-16.	11.	0.14	-21.	0.	61.	1.
26217	FCMCCL	COAL	0.	-0.131	0.	0.150	0.32	57.	62.	7.	149.	221.	31.	0.96	-19.	0.	53.	3.
26217	FCMCCL	COAL	0.	-0.144	0.	0.165	0.34	63.	72.	8.	164.	246.	34.	1.00	-16.	3.	49.	3.
26217	FCSTCL	COAL	0.	-0.125	0.	0.155	0.34	39.	31.	5.	131.	190.	29.	0.83	-19.	0.	54.	3.
26217	FCSTCL	COAL	0.	-0.202	0.	0.249	0.39	63.	72.	8.	209.	324.	42.	1.00	-13.	16.	42.	4.
26217	IGGTST	COAL	0.	-0.159	0.	0.122	0.26	-55.	-131.	7.	36.	27.	30.	0.22	-16.	0.	50.	3.
26217	IGGTST	COAL	0.	-0.176	0.	0.135	0.27	-61.	-141.	7.	40.	34.	33.	0.24	-13.	3.	46.	4.
26217	GTSOAR	RESIDU	-0.155	0.	-0.155	0.280	0.27	-60.	-58.	-1.	30.	95.	15.	0.40	13.	0.	30.	3.
26217	GTSOAR	RESIDU	-0.182	0.	-0.182	0.329	0.29	-71.	-68.	-1.	35.	111.	18.	0.42	17.	5.	29.	3.
26217	GTAC08	RESIDU	0.	-0.118	0.	0.134	0.29	-116.	-47.	-14.	-36.	87.	-4.	0.11	14.	0.	28.	4.
26217	GTAC12	RESIDU	0.	-0.134	0.	0.147	0.32	-120.	-53.	-14.	-31.	96.	-3.	0.15	15.	0.	26.	4.
26217	GTAC12	RESIDU	0.	-0.150	0.	0.165	0.33	-135.	-60.	-16.	-35.	108.	-4.	0.15	18.	3.	25.	4.
26217	GTAC16	RESIDU	0.	-0.136	0.	0.144	0.31	-117.	-55.	-14.	-28.	95.	-3.	0.15	13.	0.	28.	3.
26217	GTAC16	RESIDU	0.	-0.175	0.	0.184	0.34	-150.	-70.	-18.	-36.	121.	-4.	0.17	19.	7.	25.	4.
26217	GTWC16	RESIDU	0.	-0.149	0.	0.131	0.28	-123.	-60.	-15.	-34.	89.	-4.	0.12	14.	0.	30.	3.
26217	GTWC16	RESIDU	0.	-0.199	0.	0.175	0.32	-165.	-80.	-20.	-46.	119.	-6.	0.13	21.	9.	27.	3.
26217	CC1626	RESIDU	0.	-0.151	0.	0.129	0.28	-113.	-61.	-14.	-24.	88.	-3.	0.14	13.	0.	31.	3.
26217	CC1626	RESIDU	0.	-0.308	0.	0.262	0.35	-230.	-123.	-28.	-49.	179.	-7.	0.18	33.	27.	27.	3.
26217	CC1622	RESIDU	0.	-0.145	0.	0.135	0.29	-112.	-58.	-14.	-23.	91.	-3.	0.16	13.	0.	30.	3.
26217	CC1622	RESIDU	0.	-0.265	0.	0.247	0.36	-204.	-106.	-25.	-41.	166.	-5.	0.19	28.	22.	27.	3.
26217	CC1222	RESIDU	0.	-0.144	0.	0.137	0.30	-111.	-58.	-14.	-22.	91.	-3.	0.16	13.	0.	30.	3.
26217	CC1222	RESIDU	0.	-0.261	0.	0.248	0.36	-202.	-104.	-25.	-40.	166.	-5.	0.19	29.	21.	26.	3.
26217	CC0822	RESIDU	0.	-0.134	0.	0.146	0.32	-112.	-54.	-14.	-23.	96.	-2.	0.17	14.	0.	28.	3.
26217	CC0822	RESIDU	0.	-0.193	0.	0.210	0.36	-161.	-77.	-20.	-33.	138.	-3.	0.19	23.	11.	25.	4.
26217	STIG15	RESIDU	0.	-0.232	0.	0.048	0.11	-140.	-93.	-7.	-52.	54.	0.	0.01	12.	0.	42.	-1.
26217	STIG15	RESIDU	0.	-11.644	0.	2.435	0.17	-7031.	-4658.	-346.	-2589.	2693.	22.	0.01	867.	1294.	37.	-180.
26217	STIG10	RESIDU	0.	-0.211	0.	0.069	0.15	-136.	-84.	-6.	-48.	63.	3.	0.04	13.	0.	39.	0.
26217	STIG10	RESIDU	0.	-0.979	0.	0.323	0.22	-633.	-392.	-26.	-221.	291.	12.	0.06	78.	96.	34.	-9.
26217	STIG1S	RESIDU	0.	-0.201	0.	0.079	0.17	-137.	-81.	-5.	-49.	67.	4.	0.05	14.	0.	37.	1.
26217	STIG1S	RESIDU	0.	-0.548	0.	0.215	0.23	-374.	-219.	-13.	-133.	182.	10.	0.07	47.	45.	33.	-3.
26217	DEADV3	RESIDU	0.	-0.183	0.	0.097	0.21	-209.	-73.	-16.	-120.	74.	-6.	-0.13	4.	0.	43.	0.
26217	DEADV3	RESIDU	0.	-0.569	0.	0.300	0.29	-649.	-228.	-48.	-374.	231.	-20.	-0.17	19.	55.	40.	-6.
26217	DEHTPM	RESIDU	0.	-0.136	0.	0.144	0.31	-212.	-54.	-14.	-123.	95.	-3.	-0.07	3.	0.	37.	2.
26217	DEHTPM	RESIDU	0.	-0.178	0.	0.189	0.34	-278.	-71.	-18.	-161.	124.	-4.	-0.08	6.	8.	36.	2.
26217	DESOA3	DISTIL	-0.199	0.	-0.199	0.280	0.18	-456.	6.	1.	-368.	148.	3.	-0.62	-1.	0.	55.	-4.
26217	DESOA3	DISTIL	-0.718	0.	-0.718	1.014	0.25	-1688.	-78.	1.	-1369.	450.	26.	-0.87	4.	69.	52.	-19.
26217	DESOA3	RESIDU	-0.199	0.	-0.199	0.280	0.18	-1001.	-75.	-2.	-911.	79.	15.	-2.34	-1.	0.	49.	-1.
26217	DESOA3	RESIDU	-0.718	0.	-0.718	1.014	0.25	-3621.	-270.	-6.	-3295.	284.	54.	-2.87	4.	69.	46.	-12.
26217	GTSOAD	DISTIL	-0.141	0.	-0.141	0.280	0.30	-57.	-23.	0.	32.	126.	11.	0.55	16.	0.	30.	1.
26217	GTSOAD	DISTIL	-0.153	0.	-0.153	0.305	0.31	-62.	-25.	0.	35.	137.	12.	0.56	19.	2.	29.	1.

ISE PEG AES COGENERATION TECHNOLOGY ALTERNATIVES STUDY
FUEL UNITS = REPORT 6.1 FUEL AND EMISSIONS SAVINGS (SAVINGS ARE
EMISSION UNITS= TIME 1990 LEVEL ALL
COST =S*10**9 TYPE MATCH=POWR

PROCS	ECS	ECS FUEL	****DIRECT***** OIL+GAS	COAL	----TOTAL---- OIL+GAS	COAL	FESR	DIRECT NOX	SOX	PART	******TOTAL****** NOX	SOX	PART	EMSR	CAPITL SAVING	ELECTRIC POWER TOTAL EXPORT MWH	COST	LAEC SAVED
			SAVINGS					EMISSIONS SAVINGS										
26217	GTRA08	DISTIL	0.	-0.152	0.	0.128	0.28	-56.	-21.	3.	36.	137.	27.	0.48	12.	0.	36.	-0.
26217	GTRA08	DISTIL	0.	-0.276	0.	0.234	0.34	-120.	-56.	1.	46.	228.	39.	0.49	27.	22.	32.	-1.
26217	GTRA12	DISTIL	0.	-0.149	0.	0.132	0.29	-55.	-20.	3.	36.	138.	27.	0.48	11.	0.	36.	0.
26217	GTRA12	DISTIL	0.	-0.263	0.	0.234	0.34	-114.	-53.	1.	47.	224.	38.	0.50	26.	20.	32.	-1.
26217	GTRA16	DISTIL	0.	-0.147	0.	0.133	0.29	-56.	-20.	3.	36.	139.	27.	0.48	11.	0.	36.	-0.
26217	GTRA16	DISTIL	0.	-0.243	0.	0.219	0.34	-106.	-47.	2.	44.	211.	36.	0.50	22.	17.	33.	-1.
26217	GTR208	DISTIL	0.	-0.148	0.	0.133	0.29	-60.	-20.	3.	32.	139.	27.	0.47	13.	0.	34.	0.
26217	GTR208	DISTIL	0.	-0.201	0.	0.181	0.32	-90.	-35.	3.	35.	179.	32.	0.48	21.	10.	31.	0.
26217	GTR212	DISTIL	0.	-0.148	0.	0.132	0.29	-59.	-20.	3.	33.	138.	27.	0.47	12.	0.	35.	0.
26217	GTR212	DISTIL	0.	-0.217	0.	0.193	0.33	-96.	-40.	2.	38.	190.	34.	0.48	22.	12.	32.	-0.
26217	GTR216	DISTIL	0.	-0.146	0.	0.135	0.29	-57.	-20.	3.	35.	139.	27.	0.48	12.	0.	35.	0.
26217	GTR216	DISTIL	0.	-0.218	0.	0.202	0.34	-93.	-40.	2.	40.	195.	34.	0.49	21.	13.	32.	-0.
26217	GTRW08	DISTIL	0.	-0.172	0.	0.108	0.23	-61.	-27.	3.	30.	132.	27.	0.45	12.	0.	39.	-1.
26217	GTRW08	DISTIL	0.	-0.373	0.	0.235	0.30	-158.	-84.	-0.	39.	254.	43.	0.46	34.	31.	35.	-4.
26217	GTRW12	DISTIL	0.	-0.164	0.	0.116	0.25	-58.	-25.	3.	34.	134.	27.	0.46	12.	0.	38.	-1.
26217	GTRW12	DISTIL	0.	-0.361	0.	0.255	0.32	-154.	-80.	-0.	46.	262.	44.	0.48	35.	32.	34.	-3.
26217	GTRW16	DISTIL	0.	-0.162	0.	0.118	0.26	-58.	-24.	3.	33.	134.	27.	0.46	11.	0.	38.	-1.
26217	GTRW16	DISTIL	0.	-0.331	0.	0.240	0.32	-141.	-72.	0.	44.	246.	41.	0.48	31.	27.	34.	-3.
26217	GTR308	DISTIL	0.	-0.180	0.	0.100	0.22	-69.	-29.	3.	23.	129.	27.	0.43	13.	0.	39.	-1.
26217	GTR308	DISTIL	0.	-0.298	0.	0.166	0.26	-128.	-63.	1.	22.	197.	36.	0.43	26.	17.	36.	-3.
26217	GTR312	DISTIL	0.	-0.160	0.	0.120	0.26	-60.	-24.	3.	32.	135.	27.	0.46	13.	0.	36.	-0.
26217	GTR312	DISTIL	0.	-0.283	0.	0.213	0.31	-122.	-58.	1.	39.	218.	38.	0.48	28.	20.	33.	-2.
26217	GTR316	DISTIL	0.	-0.161	0.	0.120	0.26	-60.	-24.	3.	31.	135.	27.	0.46	12.	0.	37.	-0.
26217	GTR316	DISTIL	0.	-0.280	0.	0.208	0.31	-121.	-57.	1.	37.	215.	37.	0.47	27.	19.	33.	-2.
26217	FCPADS	DISTIL	0.	-0.189	0.	0.091	0.20	-13.	35.	7.	78.	193.	31.	0.72	6.	0.	57.	-5.
26217	FCFADS	DISTIL	0.	-0.723	0.	0.350	0.28	-113.	72.	9.	234.	655.	80.	0.85	31.	74.	55.	-26.
26217	FCMCDS	DISTIL	0.	-0.158	0.	0.122	0.27	-129.	38.	4.	-37.	197.	28.	0.45	5.	0.	53.	-4.
26217	FCMCDS	DISTIL	0.	-0.479	0.	0.371	0.36	-435.	71.	-1.	-160.	541.	57.	0.46	21.	53.	50.	-16.
26218	STM141	RESIDU	0.	-0.046	0.	0.077	0.20	-16.	-19.	-2.	23.	47.	3.	0.22	7.	0.	26.	2.
26218	STM141	COAL-F	0.	-0.046	0.	0.077	0.20	-16.	-76.	-2.	25.	-2.	15.	0.11	-5.	0.	45.	4.
26218	STM141	COAL-A	0.	-0.046	0.	0.077	0.20	46.	-76.	-2.	87.	-2.	15.	0.30	1.	0.	34.	5.
26218	STM088	RESIDU	0.	-0.033	0.	0.054	0.15	-12.	-13.	-2.	16.	34.	2.	0.16	5.	0.	36.	1.
26218	STM088	COAL-F	0.	-0.033	0.	0.054	0.15	-12.	-68.	-2.	18.	-13.	13.	0.06	-6.	0.	51.	4.
26218	STM088	COAL-A	0.	-0.033	0.	0.054	0.15	47.	-68.	-2.	77.	-13.	13.	0.23	-1.	0.	41.	4.
26218	PFBSTM	COAL-P	0.	-0.053	0.	0.082	0.22	57.	-80.	5.	102.	1.	22.	0.37	-10.	0.	59.	3.
26218	PFBSTM	COAL-P	0.	-0.080	0.	0.125	0.28	60.	-96.	7.	128.	23.	29.	0.45	-3.	7.	39.	4.
26218	TISTMT	RESIDU	0.	-0.052	0.	0.082	0.22	-18.	-21.	-3.	25.	51.	3.	0.24	-24.	0.	82.	-2.
26218	TISTMT	RESIDU	0.	-0.107	0.	0.169	0.33	-37.	-43.	-5.	51.	105.	7.	0.35	-35.	13.	68.	-4.
26218	TISTMT	COAL	0.	-0.052	0.	0.082	0.22	-18.	-79.	-3.	27.	1.	15.	0.13	-41.	0.	113.	-0.
26218	TISTMT	COAL	0.	-0.107	0.	0.169	0.33	-37.	-112.	-5.	53.	46.	21.	0.26	-52.	13.	80.	-2.
26218	TIHRSG	RESIDU	0.	-0.073	0.	0.061	0.16	-26.	-29.	-4.	17.	42.	1.	0.18	-39.	0.	115.	-5.
26218	TIHRSG	RESIDU	0.	-0.076	0.	0.063	0.17	-27.	-31.	-4.	18.	44.	1.	0.18	-39.	0.	112.	-5.
26218	TIHRSG	COAL	0.	-0.073	0.	0.061	0.16	-26.	-92.	-4.	19.	-12.	14.	0.06	-56.	0.	144.	-3.
26218	TIHRSG	COAL	0.	-0.076	0.	0.063	0.17	-27.	-94.	-4.	20.	-10.	14.	0.07	-56.	0.	138.	-3.
26218	STIRL	DISTIL	0.	-0.075	0.	0.059	0.16	12.	8.	7.	57.	88.	24.	0.50	2.	0.	45.	-2.
26218	STIRL	DISTIL	0.	-0.188	0.	0.150	0.26	-14.	-24.	5.	96.	168.	34.	0.57	10.	19.	39.	-4.

ISE PEG AES COGENERATION TECHNOLOGY ALTERNATIVES STUDY
FUEL UNITS = REPORT 6.1 FUEL AND EMISSIONS SAVINGS (SAVINGS ARE
EMISSION UNITS= TIME 1990 LEVEL ALL
COST =S*10**9 TYPE MATCH=PGWR

PROCS	ECS	ECS FUEL	*****FUEL SAVINGS**** DIRECT OIL+GAS	TOTAL OIL+GAS	TOTAL COAL	FESR NOX	EMISSIONS SAVINGS DIRECT SOX	DIRECT PART	TOTAL NOX	TOTAL SOX	TOTAL PART	EMSR	CAPITL SAVING	ELECTRIC POWER TOTAL EXPORT MWH	COST SAVED	LAEC SAVED
26218	STIRL	RESIDU	0.	-0.075	0.	0.059	0.16	-26.	-30.	-8.	16.	41.	-3.	0.16	2.	0.	41.	1.
26218	STIRL	RESIDU	0.	-0.188	0.	0.150	0.26	-66.	-75.	-21.	41.	104.	-8.	0.26	10.	19.	35.	-0.
26218	STIRL	COAL	0.	-0.075	0.	0.059	0.16	-26.	-93.	-4.	19.	-12.	14.	0.06	-15.	0.	63.	3.
26218	STIRL	COAL	0.	-0.188	0.	0.150	0.26	-66.	-161.	-9.	45.	31.	20.	0.18	-12.	19.	44.	3.
26218	HEGT85	COAL-A	0.	-0.115	0.	0.019	0.05	30.	-117.	-6.	75.	-37.	12.	0.15	-30.	0.	102.	-0.
26218	HEGT85	COAL-A	0.	-1.492	0.	0.247	0.12	-230.	-944.	-75.	331.	15.	38.	0.21	-46.	150.	48.	-17.
26218	HEGT60	COAL-A	0.	-0.109	0.	0.025	0.07	29.	-114.	-5.	74.	-33.	12.	0.16	-28.	0.	98.	0.
26218	HEGT60	COAL-A	0.	-0.464	0.	0.107	0.13	-44.	-327.	-23.	142.	-7.	20.	0.21	-36.	41.	56.	-4.
26218	HEGT00	COAL-A	0.	-0.104	0.	0.030	0.08	26.	-111.	-5.	71.	-30.	12.	0.16	-25.	0.	91.	1.
26218	HEGT00	COAL-A	0.	-0.179	0.	0.052	0.11	8.	-155.	-9.	84.	-22.	14.	0.18	-24.	9.	67.	0.
26218	FCMCCL	COAL	0.	-0.063	0.	0.072	0.19	27.	-1.	4.	73.	80.	21.	0.52	-23.	0.	83.	1.
26218	FCMCCL	COAL	0.	-0.192	0.	0.219	0.34	84.	96.	11.	218.	328.	45.	1.00	-17.	26.	46.	2.
26218	FCSTCL	COAL	0.	-0.060	0.	0.074	0.20	19.	-16.	2.	64.	64.	20.	0.44	-22.	0.	81.	2.
26218	FCSTCL	COAL	0.	-0.272	0.	0.337	0.40	84.	96.	11.	282.	437.	57.	1.00	-12.	45.	39.	2.
26218	IGGTST	COAL	0.	-0.076	0.	0.059	0.16	-26.	-94.	3.	19.	-13.	21.	0.08	-21.	0.	80.	2.
26218	IGGTST	COAL	0.	-0.237	0.	0.184	0.28	-83.	-191.	10.	54.	47.	44.	0.24	-13.	27.	42.	2.
26218	GTSOAR	RESIDU	-0.074	0.	-0.074	0.134	0.16	-29.	-28.	-1.	14.	46.	7.	0.28	4.	0.	36.	1.
26218	GTSOAR	RESIDU	-0.242	0.	-0.242	0.438	0.29	-94.	-91.	-2.	47.	148.	24.	0.42	24.	28.	28.	1.
26218	GTAC08	RESIDU	0.	-0.063	0.	0.072	0.19	-62.	-25.	-7.	-19.	46.	-2.	0.08	5.	0.	31.	1.
26218	GTAC08	RESIDU	0.	-0.157	0.	0.179	0.31	-155.	-63.	-18.	-48.	116.	-5.	0.12	20.	19.	24.	2.
26218	GTAC12	RESIDU	0.	-0.064	0.	0.070	0.19	-58.	-26.	-7.	-15.	46.	-2.	0.09	5.	0.	32.	1.
26218	GTAC12	RESIDU	0.	-0.200	0.	0.220	0.33	-181.	-80.	-22.	-47.	144.	-5.	0.15	24.	27.	25.	2.
26218	GTAC16	RESIDU	0.	-0.065	0.	0.069	0.18	-56.	-26.	-7.	-13.	45.	-1.	0.09	4.	0.	33.	1.
26218	GTAC16	RESIDU	0.	-0.233	0.	0.246	0.34	-200.	-93.	-24.	-48.	162.	-5.	0.17	27.	32.	25.	2.
26218	GTWC16	RESIDU	0.	-0.072	0.	0.063	0.17	-59.	-29.	-7.	-16.	43.	-2.	0.07	4.	0.	35.	1.
26218	GTWC16	RESIDU	0.	-0.265	0.	0.233	0.32	-220.	-106.	-27.	-61.	159.	-8.	0.13	29.	34.	27.	1.
26218	CC1626	RESIDU	0.	-0.072	0.	0.062	0.16	-54.	-29.	-7.	-11.	42.	-2.	0.09	4.	0.	36.	1.
26218	CC1626	RESIDU	0.	-0.415	0.	0.354	0.35	-309.	-166.	-38.	-65.	242.	-9.	0.18	46.	60.	27.	0.
26218	CC1622	RESIDU	0.	-0.069	0.	0.065	0.17	-53.	-28.	-7.	-11.	44.	-1.	0.09	4.	0.	35.	1.
26218	CC1622	RESIDU	0.	-0.357	0.	0.334	0.36	-275.	-143.	-34.	-55.	225.	-7.	0.19	39.	52.	26.	1.
26218	CC1222	RESIDU	0.	-0.069	0.	0.066	0.17	-53.	-28.	-7.	-10.	44.	-1.	0.10	5.	0.	34.	1.
26218	CC1222	RESIDU	0.	-0.352	0.	0.336	0.36	-272.	-141.	-33.	-53.	225.	-7.	0.19	40.	52.	26.	1.
26218	CC0822	RESIDU	0.	-0.064	0.	0.070	0.19	-53.	-26.	-6.	-11.	46.	-1.	0.10	5.	0.	33.	1.
26218	CC0822	RESIDU	0.	-0.260	0.	0.285	0.36	-216.	-104.	-26.	-43.	187.	-4.	0.19	32.	39.	24.	2.
26218	STIG15	RESIDU	0.	-0.111	0.	0.023	0.06	-67.	-44.	-3.	-25.	26.	0.	0.00	4.	0.	46.	-1.
26218	STIG15	RESIDU	0.	-15.525	0.	3.247	0.17	-9375.	-6210.	-461.	-3452.	3590.	29.	0.01	1163.	1748.	37.	-242.
26218	STIG10	RESIDU	0.	-0.101	0.	0.033	0.09	-65.	-40.	-3.	-23.	30.	1.	0.03	5.	0.	42.	-0.
26218	STIG10	RESIDU	0.	-1.306	0.	0.430	0.22	-844.	-522.	-34.	-295.	388.	16.	0.06	107.	150.	34.	-16.
26218	STIG1S	RESIDU	0.	-0.096	0.	0.038	0.10	-66.	-39.	-2.	-23.	32.	2.	0.03	5.	0.	41.	0.
26218	STIG1S	RESIDU	0.	-0.731	0.	0.287	0.23	-499.	-292.	-17.	-177.	243.	14.	0.07	61.	83.	33.	-7.
26218	DEADV3	RESIDU	0.	-0.088	0.	0.046	0.12	-100.	-35.	-7.	-58.	36.	-3.	-0.07	-2.	0.	51.	-0.
26218	DEADV3	RESIDU	0.	-0.759	0.	0.400	0.29	-866.	-304.	-64.	-498.	308.	-26.	-0.17	25.	96.	40.	-11.
26218	DEHTPM	RESIDU	0.	-0.065	0.	0.069	0.18	-102.	-26.	-7.	-59.	45.	-1.	-0.04	-0.	0.	42.	1.
26218	DEHTPM	RESIDU	0.	-0.237	0.	0.252	0.34	-370.	-95.	-25.	-215.	165.	-5.	-0.08	8.	33.	36.	-1.
26218	DESOA3	DISTIL	-0.095	0.	-0.095	0.134	0.10	-205.	36.	2.	-164.	100.	-4.	-0.28	-2.	0.	58.	-3.
26218	DESOA3	DISTIL	-0.958	0.	-0.958	1.352	0.25	-2251.	-104.	2.	-1825.	600.	34.	-0.87	5.	114.	52.	-29.

ISE PEG AES COGENERATION TECHNOLOGY ALTERNATIVES STUDY
FUEL UNITS = REPORT 6.1 FUEL AND EMISSIONS SAVINGS (SAVINGS ARE
EMISSION UNITS= TIME 1900 LEVEL ALL
COST =$*10**9 TYPE MATCH=POWR

PROCS	ECS	ECS FUEL	****FUEL SAVINGS**** DIRECT OIL+GAS	DIRECT COAL	TOTAL OIL+GAS	TOTAL COAL	FESR	EMISSIONS SAVINGS DIRECT NOX	DIRECT SOX	DIRECT PART	TOTAL NOX	TOTAL SOX	TOTAL PART	EMSR	CAPITL SAVING	ELECTRIC POWER TOTAL EXPORT MWH	COST	LAEC SAVED
26218	DESOA3	RESIDU	-0.095	0.	-0.095	0.134	0.10	-480.	-36.	-1.	-436.	38.	7.	-1.61	-2.	0.	53.	-1.
26218	DESOA3	RESIDU	-0.958	0.	-0.958	1.352	0.25	-4828.	-361.	-8.	-4393.	379.	72.	-2.87	5.	114.	46.	-19.
26218	GTSOAD	DISTIL	-0.067	0.	-0.067	0.134	0.18	-27.	-11.	0.	15.	60.	5.	0.43	5.	0.	35.	-1.
26218	GTSOAD	DISTIL	-0.204	0.	-0.204	0.406	0.31	-83.	-33.	0.	46.	183.	16.	0.56	25.	25.	28.	-2.
26218	GTRA08	DISTIL	0.	-0.073	0.	0.062	0.16	-8.	8.	7.	37.	89.	24.	0.45	3.	0.	41.	-2.
26218	GTRA08	DISTIL	0.	-0.368	0.	0.312	0.34	-159.	-75.	2.	61.	304.	52.	0.49	36.	51.	33.	-5.
26218	GTRA12	DISTIL	0.	-0.071	0.	0.063	0.17	-8.	9.	7.	37.	89.	24.	0.45	3.	0.	40.	-2.
26218	GTRA12	DISTIL	0.	-0.351	0.	0.311	0.34	-152.	-70.	2.	62.	299.	51.	0.50	36.	50.	32.	-5.
26218	GTRA16	DISTIL	0.	-0.071	0.	0.064	0.17	-8.	9.	7.	37.	89.	24.	0.45	3.	0.	41.	-2.
26218	GTRA16	DISTIL	0.	-0.324	0.	0.292	0.34	-142.	-63.	2.	58.	282.	49.	0.50	31.	45.	32.	-4.
26218	GTR208	DISTIL	0.	-0.071	0.	0.064	0.17	-10.	9.	7.	35.	89.	24.	0.44	4.	0.	39.	-2.
26218	GTR208	DISTIL	0.	-0.269	0.	0.241	0.32	-119.	-47.	3.	46.	239.	43.	0.48	29.	35.	31.	-3.
26218	GTR212	DISTIL	0.	-0.071	0.	0.063	0.17	-10.	9.	7.	35.	89.	24.	0.44	4.	0.	40.	-2.
26218	GTR212	DISTIL	0.	-0.289	0.	0.258	0.33	-123.	-53.	3.	50.	253.	45.	0.48	30.	39.	31.	-4.
26218	GTR216	DISTIL	0.	-0.070	0.	0.065	0.17	-9.	9.	7.	36.	90.	24.	0.45	3.	0.	40.	-2.
26218	GTR216	DISTIL	0.	-0.291	0.	0.269	0.34	-129.	-53.	3.	54.	260.	46.	0.49	30.	40.	31.	-4.
26218	GTRW08	DISTIL	0.	-0.083	0.	0.052	0.14	-11.	5.	7.	34.	86.	24.	0.43	3.	0.	44.	-2.
26218	GTRW08	DISTIL	0.	-0.498	0.	0.313	0.30	-211.	-112.	-1.	51.	339.	57.	0.46	47.	63.	34.	-8.
26218	GTRW12	DISTIL	0.	-0.079	0.	0.056	0.15	-9	6.	7.	36.	87.	24.	0.44	3.	0.	43.	-2.
26218	GTRW12	DISTIL	0.	-0.482	0.	0.341	0.32	-205.	-107.	-0.	62.	350.	58.	0.48	48.	65.	33.	-7.
26218	GTRW16	DISTIL	0.	-0.078	0.	0.057	0.15	-9.	7.	7.	36.	87.	24.	0.44	3.	0.	43.	-2.
26218	GTRW16	DISTIL	0.	-0.441	0.	0.320	0.32	-188.	-95.	0.	58.	328.	55.	0.48	43.	59.	33.	-7.
26218	GTR308	DISTIL	0.	-0.086	0.	0.048	0.13	-14.	4.	6.	31.	85.	24.	0.42	4.	0.	44.	-2.
26218	GTR308	DISTIL	0.	-0.398	0.	0.221	0.26	-171.	-83.	1.	30.	262.	47.	0.43	36.	45.	35.	-7.
26218	GTR312	DISTIL	0.	-0.077	0.	0.058	0.15	-10.	7.	7.	35.	88.	24.	0.44	4.	0.	41.	-2.
26218	GTR312	DISTIL	0.	-0.377	0.	0.284	0.31	-163.	-78.	2.	51.	291.	50.	0.48	39.	49.	32.	-5.
26218	GTR316	DISTIL	0.	-0.077	0.	0.057	0.15	-10.	7.	7.	35.	88.	24.	0.44	3.	0.	42.	-2.
26218	GTR316	DISTIL	0.	-0.373	0.	0.278	0.31	-161.	-76.	2.	50.	287.	50.	0.47	37.	48.	33.	-5.
26218	FCPADS	DISTIL	0.	-0.091	0.	0.044	0.12	12.	35.	8.	57.	116.	26.	0.59	1.	0.	60.	-4.
26218	FCPADS	DISTIL	0.	-0.965	0.	0.467	0.28	-151.	96.	12.	312.	887.	106.	0.85	42.	122.	55.	-38.
26218	FCMCDS	DISTIL	0.	-0.076	0.	0.059	0.16	-43.	36.	7.	2.	117.	24.	0.43	1.	0.	56.	-3.
26218	FCMCDS	DISTIL	0.	-0.639	0.	0.494	0.36	-580.	95.	-1.	-214.	722.	76.	0.46	28.	94.	50.	-24.
26	FCMCDS	DISTIL	-18.738	*******	-18.738	143.189	12.84	*******	-93688.	-6567.	-42145.	113684.	12888.	0.21	13861.	25072.	19276.	-2553.
28121	STM141	RESIDU	0.	-0.062	0.	0.103	0.08	-22.	-25.	-3.	31.	64.	4.	0.06	11.	0.	53.	3.
28121	STM141	COAL-F	0.	-0.062	0.	0.103	0.08	-22.	-90.	-3.	33.	8.	17.	0.05	-2.	0.	43.	6.
28121	STM141	COAL-A	0.	-0.062	0.	0.103	0.08	49.	-90.	-3.	104.	8.	17.	0.10	5.	0.	41.	7.
28121	STM088	RESIDU	0.	-0.047	0.	0.078	0.06	-16.	-19.	-2.	23.	48.	3.	0.06	8.	0.	54.	2.
28121	STM088	COAL-F	0.	-0.047	0.	0.078	0.06	-16.	-81.	-2.	26.	-5.	16.	0.03	-4.	0.	44.	5.
28121	STM088	COAL-A	0.	-0.047	0.	0.078	0.06	51.	-81.	-2.	93.	-5.	16.	0.08	2.	0.	42.	6.
28121	PFBSTM	COAL-P	0.	-0.100	0.	0.158	0.12	65.	-113.	8.	150.	36.	34.	0.18	1.	0.	42.	7.
28121	TISTMT	RESIDU	0.	-0.131	0.	0.209	0.15	-46.	-52.	-7.	62.	129.	8.	0.16	-34.	0.	59.	-1.
28121	TISTMT	COAL	0.	-0.131	0.	0.209	0.15	-46.	-132.	-7.	65.	62.	24.	0.12	-54.	0.	53.	2.
28121	TIHRSG	RESIDU	0.	-0.079	0.	0.072	0.05	-28.	-32.	-4.	20.	49.	2.	0.06	-40.	0.	65.	-4.
28121	TIHRSG	COAL	0.	-0.079	0.	0.072	0.05	-28.	-100.	-4.	23.	-10.	16.	0.02	-57.	0.	55.	-2.
28121	STIRL	DISTIL	0.	-0.214	0.	0.173	0.13	-17.	-29.	5.	109.	191.	39.	0.27	12.	0.	56.	-1.
28121	STIRL	RESIDU	0.	-0.214	0.	0.173	0.13	-75.	-85.	-23.	48.	120.	-9.	0.13	12.	0.	50.	3.

ISE PEG AES COGENERATION TECHNOLOGY ALTERNATIVES STUDY
FUEL UNITS = REPORT 6.1 FUEL AND EMISSIONS SAVINGS (SAVINGS ARE
EMISSION UNITS= TIME 1990 LEVEL ALL
COST =$*10**9 TYPE MATCH=HEAT

PROCS	ECS	ECS FUEL	****DIRECT FUEL SAVINGS**** OIL+GAS	COAL	----TOTAL FUEL SAVINGS---- OIL+GAS	COAL	FESR	DIRECT EMISSIONS SAVINGS NOX	SOX	PART	TOTAL EMISSIONS SAVINGS NOX	SOX	PART	EMSR	CAPITL SAVING	ELECTRIC POWER TOTAL EXPORT MWH	COST	LAEC SAVED
28121	STIRL	COAL	0.	-0.214	0.	0.173	0.13	-75.	-181.	-11.	52.	38.	23.	0.09	-10.	0.	43.	7.
28121	HEGT85	COAL-A	0.	-0.881	0.	0.207	0.15	-112.	-581.	-44.	240.	21.	31.	0.24	-50.	0.	52.	3.
28121	HEGT85	COAL-A	0.	-1.147	0.	0.269	0.16	-164.	-741.	-57.	294.	41.	37.	0.24	-45.	31.	48.	2.
28121	HEGT60	COAL-A	0.	-0.448	0.	0.129	0.10	-37.	-322.	-22.	151.	2.	22.	0.14	-34.	0.	50.	3.
28121	HEGT00	COAL-A	0.	-0.190	0.	0.060	0.04	10.	-167.	-9.	93.	-22.	16.	0.07	-23.	0.	48.	2.
28121	FCMCCL	COAL	0.	-0.210	0.	0.241	0.18	93.	106.	12.	240.	361.	49.	0.52	-16.	0.	44.	7.
28121	FCSTCL	COAL	0.	-0.320	0.	0.400	0.30	92.	106.	12.	326.	507.	65.	0.72	-8.	0.	39.	11.
28121	IGGTST	COAL	0.	-0.280	0.	0.225	0.17	-98.	-221.	11.	67.	63.	51.	0.15	-9.	0.	42.	9.
28121	GTSOAR	RESIDU	-0.256	0.	-0.256	0.472	0.16	-101.	-96.	-2.	51.	162.	26.	0.21	27.	0.	45.	6.
28121	GTAC08	RESIDU	0.	-0.174	0.	0.196	0.15	-170.	-69.	-20.	-53.	126.	-5.	0.06	23.	0.	46.	6.
28121	GTAC12	RESIDU	0.	-0.219	0.	0.242	0.18	-198.	-88.	-24.	-51.	158.	-5.	0.08	28.	0.	44.	7.
28121	GTAC16	RESIDU	0.	-0.252	0.	0.270	0.20	-217.	-101.	-26.	-51.	177.	-5.	0.10	30.	0.	42.	8.
28121	GTWC16	RESIDU	0.	-0.292	0.	0.256	0.19	-241.	-117.	-29.	-67.	174.	-9.	0.08	33.	0.	42.	7.
28121	CC1626	RESIDU	0.	-0.482	0.	0.420	0.31	-356.	-193.	-44.	-69.	286.	-10.	0.17	55.	0.	31.	11.
28121	CC1622	RESIDU	0.	-0.416	0.	0.396	0.29	-316.	-166.	-39.	-58.	265.	-7.	0.16	48.	0.	34.	11.
28121	CC1222	RESIDU	0.	-0.411	0.	0.398	0.29	-313.	-164.	-38.	-56.	266.	-7.	0.16	49.	0.	34.	11.
28121	CC0822	RESIDU	0.	-0.306	0.	0.341	0.25	-250.	-122.	-30.	-44.	222.	-4.	0.14	40.	0.	38.	10.
28121	STIG15	RESIDU	0.	-0.899	0.	0.168	0.14	-543.	-360.	-27.	-200.	208.	2.	0.01	59.	0.	39.	0.
28121	STI315	RESIDU	0.	-17.062	0.	3.568	0.17	-10303.	-6625.	-507.	-3794.	3946.	32.	0.01	1264.	1833.	37.	-251.
28121	STIG10	RESIDU	0.	-0.818	0.	0.269	0.20	-529.	-327.	-22.	-185.	243.	10.	0.06	62.	0.	35.	4.
28121	STIG10	RESIDU	0.	-1.435	0.	0.473	0.22	-927.	-574.	-38.	-324.	426.	13.	0.06	114.	77.	34.	-4.
28121	STIG1S	RESIDU	0.	-0.781	0.	0.307	0.23	-533.	-312.	-18.	-189.	259.	15.	0.07	65.	0.	33.	6.
23121	STIG1S	RESIDU	0.	-0.804	0.	0.316	0.23	-548.	-321.	-19.	-194.	267.	15.	0.07	68.	3.	33.	6.
28121	DEADV3	RESIDU	0.	-0.699	0.	0.389	0.29	-807.	-280.	-60.	-463.	294.	-23.	-0.15	24.	0.	39.	4.
28121	DEADV3	RESIDU	0.	-0.774	0.	0.431	0.29	-894.	-310.	-66.	-512.	326.	-26.	-0.16	27.	11.	39.	3.
28121	DEHTPM	RESIDU	0.	-0.259	0.	0.294	0.22	-405.	-104.	-27.	-229.	191.	-4.	-0.03	11.	0.	46.	5.
28121	DESOA3	DISTIL	-0.757	0.	-0.757	1.088	0.24	-1804.	-66.	2.	-1462.	498.	26.	-0.82	4.	0.	51.	-9.
28121	DESOA3	DISTIL	-0.967	0.	-0.967	1.390	0.26	-2312.	-100.	2.	-1874.	623.	35.	-0.86	6.	28.	51.	-15.
28121	DESOA3	RESIDU	-0.757	0.	-0.757	1.088	0.24	-3882.	-285.	-6.	-3532.	310.	58.	-2.77	4.	0.	46.	-1.
28121	DESOA3	RESIDU	-0.967	0.	-0.967	1.390	0.26	-4961.	-364.	-8.	-4513.	396.	75.	-2.85	6.	28.	45.	-5.
28121	GTSOAD	DISTIL	-0.221	0.	-0.221	0.443	0.16	-91.	-36.	0.	50.	200.	17.	0.25	29.	0.	50.	3.
28121	GTRA08	DISTIL	0.	-0.383	0.	0.340	0.25	-166.	-76.	2.	68.	327.	56.	0.36	39.	0.	43.	4.
28121	GTRA12	DISTIL	0.	-0.368	0.	0.340	0.25	-160.	-72.	2.	69.	323.	55.	0.36	39.	0.	43.	4.
28121	GTRA16	DISTIL	0.	-0.342	0.	0.320	0.24	-150.	-65.	3.	65.	305.	53.	0.34	35.	0.	45.	3.
28121	GTR208	DISTIL	0.	-0.286	0.	0.265	0.20	-128.	-49.	4.	52.	260.	47.	0.29	32.	0.	48.	3.
28121	GTR212	DISTIL	0.	-0.308	0.	0.283	0.21	-137.	-55.	4.	56.	276.	49.	0.31	34.	0.	47.	3.
28121	GTR216	DISTIL	0.	-0.310	0.	0.296	0.22	-137.	-56.	3.	60.	283.	50.	0.32	33.	0.	46.	3.
28121	GTRW08	DISTIL	0.	-0.523	0.	0.341	0.25	-223.	-116.	-0.	58.	365.	62.	0.39	51.	0.	40.	2.
28121	GTRW12	DISTIL	0.	-0.510	0.	0.372	0.27	-217.	-112.	0.	68.	378.	63.	0.41	53.	0.	38.	3.
28121	GTRW16	DISTIL	0.	-0.470	0.	0.350	0.26	-201.	-101.	1.	65.	356.	60.	0.39	47.	0.	41.	3.
28121	GTR308	DISTIL	0.	-0.417	0.	0.244	0.18	-180.	-86.	2.	35.	283.	51.	0.30	39.	0.	47.	1.
28121	GTR312	DISTIL	0.	-0.407	0.	0.311	0.23	-176.	-83.	2.	57.	318.	55.	0.35	43.	0.	43.	3.
28121	GTR316	DISTIL	0.	-0.403	0.	0.305	0.23	-174.	-82.	2.	55.	313.	54.	0.34	42.	0.	44.	3.
28121	FCPADS	DISTIL	0.	-0.733	0.	0.355	0.26	-105.	83.	12.	247.	686.	87.	0.82	21.	0.	55.	-16.
28121	FCPADS	DISTIL	0.	-1.060	0.	0.513	0.28	-166.	106.	13.	343.	974.	117.	0.85	47.	46.	54.	-28.
28121	FCMCDS	DISTIL	0.	-0.613	0.	0.474	0.35	-553.	95.	0.	-201.	698.	75.	0.46	27.	0.	50.	-10.

ISE PEO AES
COGENERATION TECHNOLOGY ALTERNATIVES STUDY
REPORT 6.1 FUEL AND EMISSIONS SAVINGS (SAVINGS ARE
TIME 1990 LEVEL ALL
TYPE MATCH=HEAT

FUEL UNITS =
EMISSION UNITS=
COST =$*10**9

PROCS	ECS	ECS FUEL	*****FUEL SAVINGS**** ****DIRECT***** OIL+GAS	COAL	----TOTAL---- OIL+GAS	COAL	FESR	---EMISSIONS SAVINGS--- -------DIRECT------- NOX	SOX	PART	********TOTAL******** NOX	SOX	PART	EMSR	CAPITL SAVING	--ELECTRIC POWER--- TOTAL EXPORT MWH	COST	LAEC SAVED
28121	FCMCDS	DISTIL	0.	-0.702	0.	0.543	0.36	-637.	105.	-1.	-235.	793.	83.	0.46	32.	15.	50.	-13.
28191	STM141	RESIDU	0.	-0.099	0.	0.164	0.14	-35.	-40.	-5.	49.	101.	7.	0.15	21.	0.	18.	5.
28191	STM141	RESIDU	0.	-0.113	0.	0.187	0.15	-39.	-45.	-6.	56.	115.	8.	0.16	25.	3.	15.	6.
28191	STM141	COAL-F	0.	-0.099	0.	0.164	0.14	-35.	-247.	-5.	57.	-75.	48.	0.03	-15.	0.	52.	15.
28191	STM141	COAL-F	0.	-0.113	0.	0.187	0.15	-39.	-255.	-6.	64.	-63.	50.	0.05	-7.	3.	41.	16.
28191	STM141	COAL-A	0.	-0.099	0.	0.164	0.14	188.	-247.	-5.	280.	-75.	48.	0.24	4.	0.	34.	17.
23191	STM141	COAL-A	0.	-0.113	0.	0.187	0.15	186.	-255.	-6.	290.	-63.	50.	0.25	8.	3.	29.	18.
28191	STM088	RESIDU	0.	-0.065	0.	0.108	0.09	-23.	-26.	-3.	32.	67.	4.	0.10	17.	0.	28.	4.
23191	STM088	COAL-F	0.	-0.065	0.	0.108	0.09	-23.	-227.	-3.	40.	-104.	45.	-0.02	-14.	0.	53.	14.
28191	STM088	COAL-A	0.	-0.065	0.	0.108	0.09	193.	-227.	-3.	256.	-104.	45.	0.18	-1.	0.	43.	15.
28191	PFBSTM	COAL-P	0.	-0.106	0.	0.157	0.13	213.	-251.	13.	310.	-79.	66.	0.28	-10.	0.	51.	14.
28191	PFBSTM	COAL-P	0.	-0.243	0.	0.362	0.23	240.	-334.	29.	442.	26.	103.	0.41	22.	32.	28.	18.
28191	TISTMT	RESIDU	0.	-0.102	0.	0.161	0.13	-36.	-41.	-5.	48.	100.	6.	0.14	-37.	0.	74.	-3.
28191	TISTMT	RESIDU	0.	-0.332	0.	0.523	0.29	-116.	-133.	-17.	156.	325.	21.	0.31	-68.	56.	57.	-10.
28191	TISTMT	COAL	0.	-0.102	0.	0.161	0.13	-36.	-249.	-5.	56.	-77.	48.	0.03	-77.	0.	111.	6.
28191	TISTMT	COAL	0.	-0.332	0.	0.523	0.29	-116.	-387.	-17.	166.	109.	72.	0.21	-115.	56.	66.	2.
28191	TIHRSG	RESIDU	0.	-0.179	0.	0.083	0.07	-63.	-72.	-9.	20.	67.	-1.	0.08	-56.	0.	101.	-8.
28191	TIHRSG	RESIDU	0.	-0.402	0.	0.187	0.12	-141.	-161.	-20.	46.	149.	-1.	0.14	-94.	31.	87.	-18.
28191	TIHRSG	COAL	0.	-0.179	0.	0.083	0.07	-63.	-295.	-9.	29.	-123.	44.	-0.05	-95.	0.	134.	2.
28191	TIHRSG	COAL	0.	-0.402	0.	0.187	0.12	-141.	-429.	-20.	56.	-78.	52.	0.02	-143.	31.	100.	-5.
28191	STIRL	DISTIL	0.	-0.154	0.	0.109	0.09	77.	68.	28.	169.	240.	81.	0.46	3.	0.	47.	-8.
28191	STIRL	DISTIL	0.	-0.622	0.	0.437	0.22	-30.	-64.	20.	317.	543.	121.	0.54	31.	75.	41.	-18.
28191	STIRL	RESIDU	0.	-0.154	0.	0.109	0.09	-54.	-62.	-18.	29.	77.	-9.	0.09	3.	0.	43.	1.
28191	STIRL	RESIDU	0.	-0.622	0.	0.437	0.22	-218.	-249.	-72.	118.	312.	-35.	0.22	31.	75.	36.	-5.
28191	STIRL	COAL	0.	-0.154	0.	0.109	0.09	-54.	-280.	-8.	38.	-108.	45.	-0.02	-38.	0.	78.	11.
28191	STIRL	COAL	0.	-0.622	0.	0.437	0.22	-218.	-561.	-31.	130.	47.	69.	0.14	-46.	75.	48.	7.
28191	HEGT00	COAL-A	0.	-0.218	0.	0.045	0.04	150.	-318.	-11.	242.	-147.	42.	0.13	-43.	0.	87.	8.
28191	HEGT00	COAL-A	0.	-0.788	0.	0.161	0.09	15.	-660.	-39.	327.	-113.	54.	0.16	-24.	64.	49.	5.
28191	FCMCCL	COAL	0.	-0.124	0.	0.139	0.12	53.	-96.	7.	145.	76.	60.	0.26	-44.	0.	83.	10.
28191	FCMCCL	COAL	0.	-0.758	0.	0.853	0.33	327.	374.	43.	853.	1284.	176.	1.00	11.	126.	35.	13.
28191	FCSTCL	COAL	0.	-0.119	0.	0.144	0.12	41.	-117.	5.	133.	55.	58.	0.23	-42.	0.	31.	10.
28191	FCSTCL	COAL	0.	-0.942	0.	1.144	0.38	327.	374.	42.	1006.	1544.	203.	1.00	34.	171.	31.	15.
28191	IGGTST	COAL	0.	-0.153	0.	0.109	0.09	-54.	-280.	7.	38.	-108.	60.	-0.01	-38.	0.	77.	10.
28191	IGGTST	COAL	0.	-0.812	0.	0.579	0.25	-284.	-675.	38.	170.	114.	158.	0.21	8.	106.	34.	14.
28191	GTSOAR	RESIDU	-0.160	0.	-0.160	0.263	0.09	-58.	-60.	-1.	26.	83.	14.	0.18	13.	0.	33.	2.
28191	GTSOAR	RESIDU	-1.159	0.	-1.159	1.900	0.26	-421.	-436.	-9.	190.	603.	103.	0.40	119.	154.	29.	-5.
28191	GTAC08	RESIDU	0.	-0.122	0.	0.140	0.12	-121.	-49.	-14.	-37.	91.	-4.	0.05	15.	0.	26.	4.
28191	GTAC08	RESIDU	0.	-0.608	0.	0.696	0.31	-599.	-243.	-71.	-184.	452.	-18.	0.12	93.	98.	22.	6.
28191	GTAC12	RESIDU	0.	-0.125	0.	0.137	0.11	-113.	-50.	-14.	-29.	90.	-3.	0.05	14.	0.	27.	3.
28191	GTAC12	RESIDU	0.	-0.782	0.	0.857	0.33	-703.	-313.	-85.	-182.	560.	-19.	0.15	112.	129.	23.	6.
28191	GTAC16	RESIDU	0.	-0.132	0.	0.131	0.11	-111.	-53.	-13.	-28.	87.	-3.	0.05	13.	0.	29.	3.
28191	GTAC16	RESIDU	0.	-0.959	0.	0.956	0.33	-810.	-384.	-98.	-201.	635.	-23.	0.16	126.	155.	24.	4.
28191	GTWC16	RESIDU	0.	-0.140	0.	0.123	0.10	-116.	-56.	-14.	-32.	84.	-4.	0.04	14.	0.	30.	3.
28191	GTWC16	RESIDU	0.	-1.028	0.	0.907	0.32	-851.	-411.	-103.	-236.	616.	-30.	0.13	134.	157.	24.	2.
28191	CC1626	RESIDU	0.	-0.144	0.	0.119	0.10	-110.	-58.	-13.	-26.	82.	-4.	0.05	14.	0.	31.	2.
28191	CC1626	RESIDU	0.	-1.461	0.	1.202	0.33	-1111.	-584.	-137.	-265.	828.	-37.	0.16	185.	225.	25.	-0.

ISE PEO AES COGENERATION TECHNOLOGY ALTERNATIVES STUDY
FUEL UNITS = REPORT 6.1 FUEL AND EMISSIONS SAVINGS (SAVINGS ARE
EMISSION UNITS= TIME 1990 LEVEL ALL
COST =$*10**9 TYPE MATCH=POWR

PROCS	ECS	ECS FUEL	****DIRECT***** OIL+GAS	COAL	----TOTAL---- OIL+GAS	COAL	FESR	DIRECT NOX	DIRECT SOX	DIRECT PART	TOTAL NOX	TOTAL SOX	TOTAL PART	EMSR	CAPITL SAVING	ELECTRIC POWER TOTAL EXPORT MWH	COST	LAEC SAVED
28191	CC1622	RESIDU	0.	-0.138	0.	0.125	0.10	-109.	-55.	-13.	-25.	84.	-3.	0.05	14.	0.	30.	3.
28191	CC1622	RESIDU	0.	-1.253	0.	1.132	0.34	-986.	-501.	-121.	-228.	766.	-30.	0.17	157.	199.	25.	1.
28191	CC1222	RESIDU	0.	-0.137	0.	0.126	0.10	-108.	-55.	-13.	-25.	85.	-3.	0.05	14.	0.	29.	3.
28191	CC1222	RESIDU	0.	-1.231	0.	1.134	0.34	-973.	-493.	-119.	-222.	764.	-28.	0.17	162.	197.	24.	2.
28191	CC0822	RESIDU	0.	-0.127	0.	0.135	0.11	-110.	-51.	-13.	-26.	89.	-3.	0.06	15.	0.	28.	3.
28191	CC0322	RESIDU	0.	-0.895	0.	0.950	0.34	-772.	-358.	-93.	-185.	624.	-20.	0.17	133.	148.	22.	6.
28191	DEHTPM	RESIDU	0.	-0.154	0.	0.109	0.09	-241.	-62.	-16.	-158.	78.	-7.	-0.08	-4.	0.	49.	-0.
28191	DEHTPM	RESIDU	0.	-0.908	0.	0.643	0.26	-1425.	-363.	-94.	-933.	458.	-39.	-0.23	8.	121.	42.	-14.
28191	GTSGAD	DISTIL	-0.134	0.	-0.134	0.263	0.11	-54.	-22.	0.	30.	118.	10.	0.32	16.	0.	31.	-6.
28191	GTSGAD	DISTIL	-0.821	0.	-0.821	1.605	0.31	-328.	-133.	0.	182.	720.	62.	0.55	117.	126.	27.	-10.
28191	GTRA08	DISTIL	0.	-0.161	0.	0.102	0.09	36.	66.	28.	127.	238.	81.	0.42	9.	0.	42.	-8.
28191	GTRA08	DISTIL	0.	-2.009	0.	1.279	0.30	-850.	-454.	-3.	214.	1372.	229.	0.47	197.	284.	34.	-36.
28191	GTRA12	DISTIL	0.	-0.154	0.	0.108	0.09	37.	68.	28.	129.	240.	81.	0.42	12.	0.	38.	-7
28191	GTRA12	DISTIL	0.	-1.795	0.	1.263	0.32	-765.	-394.	0.	226.	1306.	219.	0.48	186.	262.	33.	-30.
28191	GTRA16	DISTIL	0.	-0.151	0.	0.111	0.09	37.	69.	28.	128.	240.	81.	0.42	11.	0.	38.	-7.
28191	GTRA16	DISTIL	0.	-1.586	0.	1.167	0.32	-681.	-335.	4.	211.	1198.	204.	0.48	160.	234.	33.	-27.
28191	GTR208	DISTIL	0.	-0.149	0.	0.114	0.09	34.	69.	28.	125.	241.	82.	0.42	13.	0.	36.	-7.
28191	GTR208	DISTIL	0.	-1.226	0.	0.938	0.30	-537.	-234.	10.	166.	978.	176.	0.47	137.	178.	31.	-20.
28191	GTR212	DISTIL	0.	-0.149	0.	0.114	0.09	35.	69.	28.	127.	241.	82.	0.42	13.	0.	36.	-7.
28191	GTR212	DISTIL	0.	-1.317	0.	1.009	0.31	-574.	-260.	9.	181.	1040.	184.	0.47	144.	193.	32.	-22.
28191	GTR216	DISTIL	0.	-0.147	0.	0.116	0.10	36.	70.	28.	128.	242.	82.	0.42	12.	0.	37.	-7.
28191	GTR216	DISTIL	0.	-1.341	0.	1.059	0.32	-583.	-266.	8.	196.	1074.	138.	0.48	143.	200.	32.	-22.
28191	GTRW08	DISTIL	0.	-0.175	0.	0.088	0.07	32.	62.	28.	123.	234.	81.	0.41	9.	0.	44.	-8.
28191	GTRW08	DISTIL	0.	-2.540	0.	1.275	0.27	-1063.	-604.	-12.	172.	1511.	251.	0.44	250.	333.	35.	-48.
28191	GTRW12	DISTIL	0.	-0.165	0.	0.098	0.08	35.	65.	28.	127.	237.	81.	0.42	9.	0.	42.	-8.
28191	GTRW12	DISTIL	0.	-2.326	0.	1.387	0.30	-977.	-544.	-9.	224.	1515.	249.	0.47	244.	324.	33.	-40.
28191	GTRW16	DISTIL	0.	-0.161	0.	0.102	0.08	36.	66.	28.	127.	238.	81.	0.42	9.	0.	42.	-8.
28191	GTRW16	DISTIL	0.	-2.025	0.	1.281	0.30	-857.	-459.	-3.	214.	1377.	230.	0.47	211.	285.	33.	-35.
28191	GTR308	DISTIL	0.	-0.183	0.	0.080	0.07	24.	60.	28.	116.	231.	81.	0.40	13.	0.	41.	-8.
28191	GTR308	DISTIL	0.	-1.946	0.	0.848	0.23	-825.	-437.	-2.	81.	1119.	201.	0.41	165.	237.	36.	-40.
28191	GTR312	DISTIL	0.	-0.155	0.	0.108	0.09	35.	68.	28.	127.	239.	81.	0.42	13.	0.	37.	-7.
28191	GTR312	DISTIL	0.	-1.596	0.	1.112	0.31	-685.	-338.	4.	193.	1171.	202.	0.47	185.	229.	31.	-25.
28191	GTR316	DISTIL	0.	-0.155	0.	0.107	0.09	35.	67.	28.	126.	239.	81.	0.42	13.	0.	37.	-7.
28191	GTR316	DISTIL	0.	-1.572	0.	1.087	0.30	-676.	-331.	4.	187.	1151.	199.	0.47	178.	225.	32.	-25.
28191	FCPADS	DISTIL	0.	-0.177	0.	0.086	0.07	80.	124.	32.	171.	295.	85.	0.52	1.	0.	63.	-12.
28191	FCPADS	DISTIL	0.	-3.752	0.	1.817	0.28	-586.	375.	47.	1213.	3449.	414.	0.85	206.	498.	54.	-149.
28191	FCMCDS	DISTIL	0.	-0.148	0.	0.115	0.10	-29.	127.	29.	63.	298.	82.	0.42	-0.	0.	58.	-11.
28191	FCHCDS	DISTIL	0.	-2.484	0.	1.922	0.36	-2255.	370.	-4.	-831.	2808.	294.	0.46	134.	389.	50.	-97.
28192	STM141	RESIDU	0.	-0.198	0.	0.328	0.14	-69.	-79.	-10.	98.	202.	13.	0.15	46.	0.	15.	11.
28192	STM141	RESIDU	0.	-0.226	0.	0.374	0.15	-79.	-90.	-11.	112.	231.	15.	0.16	54.	7.	14.	12.
28192	STM141	COAL-F	0.	-0.198	0.	0.328	0.14	-69.	-494.	-10.	114.	-150.	96.	0.03	-19.	0.	45.	32.
28192	STM141	COAL-F	0.	-0.226	0.	0.374	0.15	-79.	-511.	-11.	128.	-127.	99.	0.05	-15.	7.	41.	33.
28192	STM141	COAL-A	0.	-0.198	0.	0.328	0.14	377.	-494.	-10.	560.	-150.	96.	0.24	11.	0.	32.	35.
28192	STM141	COAL-A	0.	-0.226	0.	0.374	0.15	373.	-511.	-11.	580.	-127.	99.	0.25	22.	7.	27.	37.
28192	STM088	RESIDU	0.	-0.130	0.	0.216	0.09	-46.	-52.	-7.	65.	133.	9.	0.10	37.	0.	27.	8.
28192	STM088	COAL-F	0.	-0.130	0.	0.216	0.09	-46.	-454.	-7.	80.	-208.	89.	-0.02	-30.	0.	54.	28.

ISE PEG AES COGENERATION TECHNOLOGY ALTERNATIVES STUDY
FUEL UNITS = REPORT 6.1 FUEL AND EMISSIONS SAVINGS (SAVINGS ARE
EMISSION UNITS= TIME 1990 LEVEL ALL
COST =$*10**9 TYPE MATCH=HEAT

PROCS	ECS	ECS FUEL	*****FUEL SAVINGS**** DIRECT***** OIL+GAS	COAL	TOTAL---- OIL+GAS	COAL	FESR	DIRECT NOX	SOX	PART	TOTAL NOX	SOX	PART	EMSR	CAPITL SAVING	ELECTRIC POWER--- TOTAL EXPORT MWH	COST	LAEC SAVED
28192	STM088	COAL-A	0.	-0.130	0.	0.216	0.09	386.	-454.	-7.	511.	-208.	89.	0.18	2.	0.	40.	31.
28192	PFBSTM	COAL-P	0.	-0.211	0.	0.314	0.13	437.	-502.	25.	620.	-158.	132.	0.28	-9.	0.	45.	31.
28192	PFBSTM	COAL-P	0.	-0.487	0.	0.725	0.23	480.	-668.	58.	884.	52.	205.	0.41	53.	64.	26.	37.
28192	TISTMT	RESIDU	0.	-0.204	0.	0.321	0.13	-71.	-82.	-10.	96.	200.	13.	0.14	-52.	0.	63.	-3.
28192	TISTMT	RESIDU	0.	-0.665	0.	1.046	0.29	-233.	-266.	-33.	313.	650.	41.	0.31	-138.	111.	57.	-19.
28192	TISTMT	COAL	0.	-0.204	0.	0.321	0.13	-71.	-498.	-10.	112.	-154.	96.	0.03	-120.	0.	94.	18.
28192	TISTMT	COAL	0.	-0.665	0.	1.046	0.29	-233.	-774.	-33.	332.	217.	143.	0.21	-231.	111.	66.	5.
28192	TIHRSG	RESIDU	0.	-0.359	0.	0.167	0.07	-125.	-143.	-18.	41.	133.	-1.	0.08	-86.	0.	89.	-12.
28192	TIHRSG	RESIDU	0.	-0.804	0.	0.375	0.12	-282.	-322.	-40.	92.	299.	-3.	0.14	-192.	61.	88.	-36.
28192	TIHRSG	COAL	0.	-0.359	0.	0.167	0.07	-125.	-591.	-18.	58.	-247.	88.	-0.05	-156.	0.	117.	10.
28192	TIHRSG	COAL	0.	-0.804	0.	0.375	0.12	-282.	-858.	-40.	112.	-157.	105.	0.02	-290.	61.	101.	-11.
28192	STIRL	DISTIL	0.	-0.309	0.	0.217	0.09	154.	136.	57.	337.	479.	163.	0.46	7.	0.	46.	-16.
28192	STIRL	DISTIL	0.	-1.244	0.	0.875	0.22	-61.	-128.	41.	635.	1087.	241.	0.54	62.	149.	41.	-35.
28192	STIRL	RESIDU	0.	-0.309	0.	0.217	0.09	-108.	-123.	-36.	59.	155.	-17.	0.09	7.	0.	41.	2.
28192	STIRL	RESIDU	0.	-1.244	0.	0.875	0.22	-435.	-498.	-145.	237.	624.	-69.	0.22	62.	149.	36.	-9.
28192	STIRL	COAL	0.	-0.309	0.	0.217	0.09	-108.	-561.	-15.	75.	-217.	91.	-0.02	-69.	0.	73.	23.
28192	STIRL	COAL	0.	-1.244	0.	0.875	0.22	-435.	-1122.	-62.	260.	93.	138.	0.14	-91.	149.	47.	15.
28192	HEGTOO	COAL-A	0.	-0.436	0.	0.089	0.04	300.	-637.	-22.	483.	-293.	84.	0.13	-60.	0.	75.	21.
28192	HEGTOO	COAL-A	0.	-1.576	0.	0.323	0.09	30.	-1321.	-79.	655.	-226.	109.	0.16	-0.	129.	42.	16.
28192	FCMCCL	COAL	0.	-0.247	0.	0.278	0.12	107.	-192.	14.	290.	152.	120.	0.25	-65.	0.	71.	23.
28192	FCMCCL	COAL	0.	-1.517	0.	1.707	0.33	655.	749.	85.	1707.	2569.	351.	1.00	73.	253.	30.	33.
28192	FCSTCL	COAL	0.	-0.237	0.	0.288	0.12	82.	-234.	11.	266.	110.	117.	0.23	-64.	0.	70.	23.
28192	FCSTCL	COAL	0.	-1.686	0.	2.290	0.38	655.	749.	84.	2012.	3089.	407.	1.00	126.	342.	28.	39.
28192	IGGTST	COAL	0.	-0.307	0.	0.219	0.09	-107.	-559.	14.	76.	-216.	121.	-0.01	-53.	0.	65.	25.
28192	IGGTST	COAL	0.	-1.625	0.	1.159	0.25	-569.	-1350.	76.	341.	228.	316.	0.21	36.	212.	32.	31.
28192	GTSOAR	RESIDU	-0.320	0.	-0.320	0.526	0.09	-116.	-121.	-3.	53.	167.	29.	0.18	28.	0.	32.	4.
28192	GTSOAR	RESIDU	-2.319	0.	-2.319	3.802	0.26	-842.	-873.	-19.	381.	1207.	207.	0.40	252.	307.	28.	-8.
28192	GTAC08	RESIDU	0.	-0.245	0.	0.281	0.12	-241.	-98.	-29.	-74.	182.	-7.	0.05	31.	0.	25.	7.
28192	GTAC08	RESIDU	0.	-1.217	0.	1.394	0.31	-1199.	-487.	-143.	-369.	904.	-37.	0.12	190.	196.	21.	13.
28192	GTAC12	RESIDU	0.	-0.251	0.	0.275	0.11	-226.	-100.	-27.	-58.	180.	-6.	0.05	30.	0.	26.	7.
28192	GTAC12	RESIDU	0.	-1.564	0.	1.716	0.33	-1403.	-626.	-169.	-364.	1121.	-38.	0.15	229.	258.	22.	12.
28192	GTAC16	RESIDU	0.	-0.263	0.	0.262	0.11	-222.	-105.	-27.	-55.	174.	-6.	0.05	28.	0.	28.	6.
28192	GTAC16	RESIDU	0.	-1.920	0.	1.913	0.33	-1621.	-768.	-197.	-403.	1270.	-47.	0.16	253.	310.	24.	7.
28192	GTWC16	RESIDU	0.	-0.279	0.	0.246	0.10	-231.	-112.	-28.	-64.	167.	-8.	0.04	29.	0.	28.	6.
28192	GTWC16	RESIDU	0.	-2.056	0.	1.816	0.32	-1703.	-823.	-207.	-473.	1233.	-60.	0.13	276.	314.	24.	5.
28192	CC1626	RESIDU	0.	-0.288	0.	0.237	0.10	-219.	-115.	-27.	-52.	163.	-7.	0.05	30.	0.	29.	5.
28192	CC1626	RESIDU	0.	-2.923	0.	2.406	0.33	-2223.	-1169.	-273.	-531.	1657.	-75.	0.16	384.	451.	24.	2.
28192	CC1622	RESIDU	0.	-0.276	0.	0.243	0.10	-217.	-110.	-27.	-50.	169.	-7.	0.05	29.	0.	29.	6.
28192	CC1622	RESIDU	0.	-2.507	0.	2.266	0.34	-1974.	-1003.	-242.	-457.	1532.	-59.	0.17	329.	398.	24.	4.
28192	CC1222	RESIDU	0.	-0.274	0.	0.252	0.10	-216.	-109.	-26.	-49.	170.	-6.	0.05	30.	0.	28.	6.
28192	CC1222	RESIDU	0.	-2.464	0.	2.269	0.34	-1948.	-986.	-238.	-444.	1529.	-57.	0.17	337.	395.	23.	7.
28192	CC0822	RESIDU	0.	-0.255	0.	0.271	0.11	-220.	-102.	-27.	-53.	178.	-6.	0.06	31.	0.	26.	7.
28192	CC0822	RESIDU	0.	-1.792	0.	1.901	0.34	-1544.	-717.	-183.	-370.	1249.	-40.	0.17	270.	297.	22.	12.
28192	DEHTPM	RESIDU	0.	-0.308	0.	0.218	0.09	-483.	-123.	-32.	-316.	155.	-13.	-0.08	-8.	0.	49.	-0.
28192	DEHTPM	RESIDU	0.	-1.817	0.	1.288	0.26	-2852.	-727.	-139.	-1867.	917.	-78.	-0.23	16.	242.	42.	-27.
28192	GTSOAD	DISTIL	-0.269	0.	-0.269	0.526	0.11	-108.	-44.	0.	60.	236.	20.	0.32	32.	0.	30.	-11.

ISE PEG AES COGENERATION TECHNOLOGY ALTERNATIVES STUDY
FUEL UNITS = REPORT 6.1 FUEL AND EMISSIONS SAVINGS (SAVINGS ARE
EMISSION UNITS= TIME 1990 LEVEL ALL
COST =$*10**9 TYPE MATCH=HEAT

PROCS	ECS	ECS FUEL	*****FUEL SAVINGS***** DIRECT OIL+GAS	DIRECT COAL	TOTAL OIL+GAS	TOTAL COAL	----EMISSIONS SAVINGS---- FESR	DIRECT NOX	DIRECT SOX	DIRECT PART	TOTAL NOX	TOTAL SOX	TOTAL PART	EMSR	CAPITL SAVING	ELECTRIC POWER--- TOTAL EXPORT MWH	COST	LAEC SAVED
28192	GTSOAD	DISTIL	-1.643	0.	-1.643	3.212	0.31	-657.	-267.	0.	364.	1440.	124.	0.55	235.	252.	27.	-20.
28192	GTRA08	DISTIL	0.	-0.321	0.	0.204	0.09	71.	132.	56.	254.	476.	163.	0.42	23.	0.	39.	-14.
28192	GTRA08	DISTIL	0.	-4.020	0.	2.559	0.30	-1702.	-909.	-6.	429.	2745.	458.	0.47	416.	568.	33.	-70.
28192	GTRA12	DISTIL	0.	-0.309	0.	0.217	0.09	74.	136.	57.	258.	479.	163.	0.42	26.	0.	37.	-14.
28192	GTRA12	DISTIL	0.	-3.592	0.	2.527	0.32	-1531.	-789.	1.	452.	2614.	438.	0.48	389.	525.	32.	-59.
28192	GTRA16	DISTIL	0.	-0.303	0.	0.223	0.09	74.	137.	57.	257.	481.	163.	0.42	24.	0.	37.	-13.
28192	GTRA16	DISTIL	0.	-3.174	0.	2.335	0.32	-1364.	-671.	8.	423.	2398.	409.	0.48	343.	467.	32.	-52.
28192	GTR208	DISTIL	0.	-0.298	0.	0.228	0.09	67.	139.	57.	251.	482.	163.	0.42	28.	0.	35.	-13.
28192	GTR208	DISTIL	0.	-2.454	0.	1.877	0.30	-1075.	-468.	20.	332.	1957.	352.	0.47	288.	357.	31.	-38.
28192	GTR212	DISTIL	0.	-0.298	0.	0.228	0.09	70.	139.	57.	253.	482.	163.	0.42	27.	0.	35.	-13.
28192	GTR212	DISTIL	0.	-2.636	0.	2.018	0.31	-1148.	-519.	17.	363.	2082.	368.	0.47	307.	387.	31.	-41.
28192	GTR216	DISTIL	0.	-0.294	0.	0.232	0.10	73.	140.	57.	256.	483.	163.	0.42	26.	0.	35.	-13.
28192	GTR216	DISTIL	0.	-2.683	0.	2.119	0.32	-1167.	-533.	16.	392.	2150.	376.	0.48	305.	401.	31.	-42.
28192	GTRW08	DISTIL	0.	-0.350	0.	0.176	0.07	63.	124.	56.	246.	468.	162.	0.41	24.	0.	41.	-16.
28192	GTRW08	DISTIL	0.	-5.082	0.	2.551	0.27	-2127.	-1208.	-24.	343.	3023.	503.	0.44	521.	667.	34.	-93.
28192	GTRW12	DISTIL	0.	-0.329	0.	0.196	0.08	71.	130.	56.	254.	473.	163.	0.42	24.	0.	39.	-15.
28192	GTRW12	DISTIL	0.	-4.654	0.	2.775	0.30	-1955.	-1088.	-17.	449.	3032.	498.	0.47	515.	647.	32.	-77.
28192	GTRW16	DISTIL	0.	-0.322	0.	0.204	0.08	71.	132.	56.	254.	476.	163.	0.42	23.	0.	39.	-15.
28192	GTRW16	DISTIL	0.	-4.051	0.	2.562	0.30	-1714.	-918.	-7.	428.	2755.	460.	0.47	448.	571.	32.	-67.
28192	GTR308	DISTIL	0.	-0.366	0.	0.160	0.07	49.	119.	56.	232.	463.	162.	0.40	28.	0.	40.	-16.
28192	GTR308	DISTIL	0.	-3.893	0.	1.697	0.23	-1651.	-873.	-4.	161.	2240.	402.	0.41	394.	475.	35.	-77.
28192	GTR312	DISTIL	0.	-0.310	0.	0.216	0.09	70.	135.	57.	254.	479.	163.	0.42	29.	0.	35.	-13.
28192	GTR312	DISTIL	0.	-3.194	0.	2.226	0.31	-1372.	-677.	8.	386.	2344.	404.	0.47	385.	459.	30.	-48.
28192	GTR316	DISTIL	0.	-0.311	0.	0.215	0.09	69.	135.	57.	253.	479.	163.	0.42	28.	0.	36.	-13.
28192	GTR316	DISTIL	0.	-3.146	0.	2.175	0.30	-1352.	-663.	8.	374.	2303.	399.	0.47	371.	450.	31.	-49.
28192	FCPADS	DISTIL	0.	-0.354	0.	0.171	0.07	159.	247.	63.	342.	591.	170.	0.52	4.	0.	61.	-24.
28192	FCPADS	DISTIL	0.	-7.508	0.	3.637	0.28	-1173.	751.	94.	2427.	6902	829.	0.85	427.	996.	53.	-296
28192	FCMCDS	DISTIL	0.	-0.296	0.	0.229	0.10	-57.	253.	58.	126.	597.	164.	0.42	2.	0.	57.	-21.
28192	FCMCDS	DISTIL	0.	-4.970	0.	3.846	0.36	-4513.	741.	-9.	-1662.	5618.	588.	0.46	293.	778.	49.	-191.
28212	STM141	RESIDU	0.	-0.013	0.	0.022	0.09	-5.	-5.	-1.	7.	14.	1.	0.10	-0.	0.	46.	0.
28212	STM141	RESIDU	0.	-0.035	0.	0.059	0.20	-12.	-14.	-2.	18.	36.	2.	0.21	5.	5.	24.	1.
28212	STM141	COAL-F	0.	-0.013	0.	0.022	0.09	-5.	-48.	-1.	8.	-23.	10.	-0.02	-12.	0.	139.	1.
28212	STM141	COAL-F	0.	-0.035	0.	0.059	0.20	-12	-62.	-2.	19.	-4.	12.	0.10	-5.	5.	50.	3.
28212	STM141	COAL-A	0.	-0.013	0.	0.022	0.09	42.	-48.	-1.	55.	-23.	10.	0.20	-10.	0.	123.	2.
28212	STM141	COAL-A	0.	-0.035	0.	0.059	0.20	39.	-62.	-2.	70.	-4.	12.	0.30	-0.	5.	36.	3.
28212	STM088	RESIDU	0.	-0.013	0.	0.022	0.09	-5.	-5.	-1.	7.	14.	1.	0.10	0.	0.	44.	0.
28212	STM088	RESIDU	0.	-0.024	0.	0.040	0.15	-9.	-10.	-1.	12.	25.	2.	0.16	3.	3.	24.	1.
28212	STM088	COAL-F	0.	-0.013	0.	0.022	0.09	-5.	-48.	-1.	8.	-23.	10.	-0.02	-12.	0.	137.	1.
28212	STM088	COAL-F	0.	-0.024	0.	0.040	0.15	-9.	-55.	-1.	14.	-14.	11.	0.05	-6.	3.	63.	2.
28212	STM088	COAL-A	0.	-0.013	0.	0.022	0.09	42.	-48.	-1.	55.	-23.	10.	0.20	-9.	0.	118.	2.
28212	STM088	COAL-A	0.	-0.024	0.	0.040	0.15	40.	-55.	-1.	62.	-14.	11.	0.25	-2.	3.	45.	3.
28212	PFBSTM	COAL-P	0.	-0.014	0.	0.021	0.09	45.	-49.	1.	58.	-23.	12.	0.22	-12.	0.	141.	1.
28212	PFBSTM	COAL-P	0.	-0.064	0.	0.098	0.27	51.	-79.	6.	104.	16.	24.	0.44	-4.	12.	43.	2.
28212	TISTMT	RESIDU	0.	-0.014	0.	0.022	0.09	-5.	-5.	-1.	6.	13.	1.	0.10	-10.	0.	116.	-1.
28212	TISTMT	RESIDU	0.	-0.085	0.	0.135	0.32	-30.	-34.	-4.	40.	84.	5.	0.34	-32.	17.	73.	-5.
28212	TISTMT	COAL	0.	-0.014	0.	0.022	0.09	-5.	-49.	-1.	8.	-23.	9.	-0.03	-23.	0.	212.	-0.

ISE PEG AES COGENERATION TECHNOLOGY ALTERNATIVES STUDY
FUEL UNITS = REPORT 6.1 FUEL AND EMISSIONS SAVINGS (SAVINGS ARE
EMISSION UNITS= TIME 1990 LEVEL ALL
COST =$=10**9 TYPE MATCH=HEAT

PROCS	ECS	ECS FUEL	*****FUEL SAVINGS*****DIRECT	TOTAL	FESR	----EMISSIONS SAVINGS----DIRECT NOX	SOX	PART	********TOTAL******** NOX	SOX	PART	EMSR	CAPITL SAVING	ELECTRIC POWER--- TOTAL EXPORT MWH	COST	LAEC SAVED
			OIL+GAS	COAL OIL+GAS	COAL											
28212	TISTMT	COAL	0.	-0.085 0.	0.135	0.32	80.	-92.	-4.	42.	35.	17.	0.25	-47.	17.	87.	-3.
28212	TIHRSG	RESIDU	0.	-0.021 0.	0.014	0.06	-7.	-9.	-1.	4.	10.	0.	0.07	-16.	0.	163.	-2.
28212	TIHRSG	RESIDU	0.	-0.073 0.	0.048	0.15	-25.	-29.	-4.	13.	35.	1.	0.17	-36.	8.	119.	-6.
28212	TIHRSG	COAL	0.	-0.021 0.	0.014	0.06	-7.	-53.	-1.	5.	-28.	9.	-0.06	-30.	0.	265.	-1.
28212	TIHRSG	COAL	0.	-0.073 0.	0.048	0.15	-25.	-84.	-4.	15.	-12.	12.	0.05	-51.	8.	145.	-4.
28212	STIRL	DISTIL	0.	-0.020 0.	0.015	0.06	20.	18.	6.	33.	44.	17.	0.44	-1.	0.	59.	-2.
28212	STIRL	DISTIL	0.	-0.148 0.	0.112	0.24	-10.	-18.	4.	75.	131.	28.	0.56	7.	21.	41.	-4.
28212	STIRL	RESIDU	0.	-0.020 0.	0.015	0.06	-7.	-8.	-2.	4.	11.	-1.	0.07	-1.	0.	55.	-0.
28212	STIRL	RESIDU	0.	-0.148 0.	0.112	0.24	-52.	-59.	-17.	31.	79.	-7.	0.24	7.	21.	36.	-2.
28212	STIRL	COAL	0.	-0.020 0.	0.015	0.06	-7.	-52.	-1.	6.	-27.	9.	-0.06	-12.	0.	139.	1.
28212	STIRL	COAL	0.	-0.148 0.	0.112	0.24	-52.	-129.	-7.	33.	19.	16.	0.16	-11.	21.	47.	1.
28212	HEGT60	COAL-A	0.	-0.032 0.	0.004	0.02	37.	-59.	-2.	50.	-34.	9.	0.12	-18.	0.	184.	0.
28212	HEGT60	COAL-A	0.	-0.537 0.	0.061	0.08	-63.	-363.	-27.	131.	-29.	17.	0.16	-37.	53.	58.	-8.
28212	HEGT00	COAL-A	0.	-0.028 0.	0.007	0.03	37.	-57.	-1.	50.	-32.	9.	0.13	-17.	0.	177.	0.
28212	HEGT00	COAL-A	0.	-0.159 0.	0.040	0.10	5.	-136.	-8.	71.	-21.	12.	0.17	-22.	15.	70.	-1.
28212	FCMCCL	COAL	0.	-0.017 0.	0.019	0.08	7.	-28.	1.	20.	-3.	11.	0.14	-18.	0.	175.	1.
28212	FCMCCL	COAL	0.	-0.162 0.	0.184	0.34	71.	81.	9.	183.	276.	38.	1.00	-17.	29.	48.	-0.
28212	FCSTCL	COAL	0.	-0.016 0.	0.020	0.08	5.	-32.	1.	18.	-6.	11.	0.11	-17.	0.	173.	1.
28212	FCSTCL	COAL	0.	-0.222 0.	0.274	0.39	71.	81.	9.	232.	358.	47.	1.00	-13.	43.	42.	0.
28212	IGGTST	COAL	0.	-0.020 0.	0.015	0.06	-7.	-52.	1.	6.	-27.	11.	-0.05	-17.	0.	174.	1.
28212	IGGTST	COAL	0.	-0.193 0.	0.147	0.27	-68.	-156.	8.	43.	36.	36.	0.23	-14.	29.	45.	0.
28212	GTSOAR	RESIDU	-0.020	0. -0.020	0.035	0.06	-8.	-8.	-0.	4.	12.	2.	0.13	-1.	0.	51.	-0.
28212	GTSOAR	RESIDU	-0.221	0. -0.221	0.383	0.28	-83.	-83.	-2.	40.	126.	21.	0.41	21.	33.	29.	-1.
28212	GTAC08	RESIDU	0.	-0.016 0.	0.019	0.08	-16.	-7.	-2.	-5.	12.	-1.	0.03	-0.	0.	44.	0.
28212	GTAC08	RESIDU	0.	-0.131 0.	0.150	0.31	-129.	-52.	-15.	-40.	97.	-4.	0.12	17.	23.	24.	1.
28212	GTAC12	RESIDU	0.	-0.017 0.	0.018	0.08	-15.	-7.	-2.	-4.	12.	-0.	0.04	-0.	0.	44.	0.
28212	GTAC12	RESIDU	0.	-0.169 0.	0.185	0.33	-152.	-68.	-18.	-39.	121.	-4.	0.15	20.	30.	25.	0.
28212	GTAC16	RESIDU	0.	-0.017 0.	0.018	0.08	-15.	-7.	-2.	-4.	12.	-0.	0.04	-0.	0.	45.	0.
28212	GTAC16	RESIDU	0.	-0.201 0.	0.206	0.34	-171.	-80.	-21.	-42.	136.	-5.	0.16	23.	35.	26.	0.
28212	GTWC16	RESIDU	0.	-0.019 0.	0.017	0.07	-16.	-8.	-2.	-4.	11.	-1.	0.03	-0.	0.	49.	-0.
28212	GTWC16	RESIDU	0.	-0.222 0.	0.196	0.32	-184.	-89.	-22.	-51.	133.	-7.	0.13	24.	36.	27.	-0.
28212	CC1626	RESIDU	0.	-0.019 0.	0.016	0.07	-14.	-8.	-2.	-3.	11.	-0.	0.04	-0.	0.	50.	-0.
28212	CC1626	RESIDU	0.	-0.340 0.	0.288	0.35	-255.	-136.	-31.	-55.	197.	-8.	0.18	37.	56.	27.	-1.
28212	CC1622	RESIDU	0.	-0.018 0.	0.017	0.07	-14.	-7.	-2.	-3.	11.	-0.	0.04	-0.	0.	48.	-0.
28212	CC1622	RESIDU	0.	-0.293 0.	0.272	0.35	-226.	-117.	-28.	-47.	183.	-6.	0.19	32.	50.	27.	-1.
28212	CC1222	RESIDU	0.	-0.018 0.	0.017	0.07	-14.	-7.	-2.	-3.	12.	-0.	0.04	0.	0.	47.	-0.
28212	CC1222	RESIDU	0.	-0.288 0.	0.273	0.36	-223.	-115.	-27.	-45.	183.	-6.	0.19	33.	49.	26.	-0.
28212	CC0822	RESIDU	0.	-0.017 0.	0.018	0.08	-14.	-7.	-2.	-3.	12.	-0.	0.04	-0.	0.	47.	-0.
28212	CC0822	RESIDU	0.	-0.212 0.	0.231	0.36	-178.	-85.	-22.	-37.	151.	-4.	0.19	26.	38.	25.	0.
28212	STIG15	RESIDU	0.	-0.029 0.	0.006	0.03	-18.	-12.	-1.	-7.	7.	0.	0.00	-0.	0.	59.	-0.
28212	STIG15	RESIDU	0.	-13.014 0.	2.721	0.17	-7859.	-5206.	-386.	-2894.	3010.	25.	0.01	986.	1472.	37.	-205.
28212	STIG10	RESIDU	0.	-0.027 0.	0.009	0.04	-17.	-11.	-1.	-6.	8.	0.	0.01	-0.	0.	54.	-0.
28212	STIG10	RESIDU	0.	-1.095 0.	0.361	0.22	-707.	-438.	-29.	-247.	325.	14.	0.06	89.	133.	34.	-15.
28212	STIG1S	RESIDU	0.	-0.025 0.	0.010	0.04	-17.	-10.	-1.	-6.	8.	0.	0.01	0.	0.	53.	-0.
28212	STIG1S	RESIDU	0.	-0.613 0.	0.241	0.23	-418.	-245.	-14.	-148.	203.	12.	0.07	54.	77.	33.	-7.
28212	DEADV3	RESIDU	0.	-0.024 0.	0.011	0.05	-27.	-10.	-2.	-16.	9.	-1.	-0.04	-3.	0.	71.	-1.

ISE PE0 AES COGENERATION TECHNOLOGY ALTERNATIVES STUDY
FUEL UNITS = REPORT 6.1 FUEL AND EMISSIONS SAVINGS (SAVINGS ARE
EMISSION UNITS= TIME 1990 LEVEL ALL
COST =$*10**9 TYPE MATCH=HEAT

PROCS	ECS	ECS FUEL	****FUEL SAVINGS**** DIRECT OIL+GAS	DIRECT COAL	TOTAL OIL+GAS	TOTAL COAL	FESR	EMISSIONS SAVINGS DIRECT NOX	DIRECT SOX	DIRECT PART	TOTAL NOX	TOTAL SOX	TOTAL PART	EMSR	CAPITL SAVING	ELECTRIC POWER TOTAL EXPORT MWH	ELECTRIC POWER COST	ELECTRIC POWER LAEC SAVED
28212	DEADV3	RESIDU	0.	-0.745	0.	0.353	0.27	-830.	-298.	-62.	-482.	280.	-27.	-0.19	23.	100.	41.	-13.
28212	DEHTPH	RESIDU	0.	-0.019	0.	0.017	0.07	-29.	-7.	-2.	-18.	11.	-1.	-0.03	-3.	0.	70.	-0.
28212	DEHTPM	RESIDU	0.	-0.199	0.	0.182	0.31	-311.	-80.	-21.	-190.	123.	-6.	-0.14	4.	32.	39.	-3.
28212	DESOA3	DISTIL	-0.026	0.	-0.026	0.035	0.04	-42.	39.	2.	-33.	52.	-5.	0.10	-2.	0.	72.	-2.
28212	DESOA3	DISTIL	-0.964	0.	-0.964	1.316	0.23	-2194.	-113.	2.	-1779.	571.	33.	-0.89	4.	120.	53.	-31.
28212	DESOA3	RESIDU	-0.026	0.	-0.026	0.035	0.04	-126.	-10.	-0.	-115.	10.	2.	-0.78	-2.	0.	67.	-1.
28212	DESOA3	RESIDU	-0.964	0.	-0.964	1.316	0.23	-4702.	-363.	-8.	-4279.	357.	70.	-2.92	4.	120.	48.	-21.
28212	GTSOAD	DISTIL	-0.018	0.	-0.018	0.035	0.07	-7.	-3.	0.	4.	16.	1.	0.25	0.	0.	48.	-2.
28212	GTSOAD	DISTIL	-0.175	0.	-0.175	0.344	0.31	-70.	-28.	0.	39.	154.	13.	0.56	21.	29.	29.	-3.
28212	GTRA06	DISTIL	0.	-0.020	0.	0.015	0.06	14.	18.	6.	27.	44.	17.	0.42	-1.	0.	56.	-2.
28212	GTRA08	DISTIL	0.	-0.351	0.	0.266	0.32	-151.	-75.	1.	50.	269.	45.	0.48	32.	55.	34.	-7.
28212	GTRA12	DISTIL	0.	-0.020	0.	0.016	0.07	14.	18.	6.	27.	44.	17.	0.42	-1.	0.	55.	-2.
28212	GTRA12	DISTIL	0.	-0.327	0.	0.265	0.33	-141.	-68.	1.	51.	262.	44.	0.49	32.	52.	33.	-6.
28212	GTRA16	DISTIL	0.	-0.019	0.	0.016	0.07	14.	19.	6.	27.	44.	17.	0.42	-1.	0.	56.	-2.
28212	GTRA16	DISTIL	0.	-0.298	0.	0.247	0.33	-129.	-60.	2.	48.	244.	42.	0.49	28.	48.	33.	-6.
28212	GTR208	DISTIL	0.	-0.019	0.	0.016	0.07	14.	19.	6.	27.	44.	17.	0.41	-0.	0.	53.	-2.
28212	GTR208	DISTIL	0.	-0.241	0.	0.202	0.31	-106.	-44.	3.	38.	204.	37.	0.47	25.	38.	32.	-4.
28212	GTR212	DISTIL	0.	-0.019	0.	0.016	0.07	14.	19.	6.	27.	44.	17.	0.42	-1.	0.	54.	-2.
28212	GTR212	DISTIL	0.	-0.258	0.	0.217	0.32	-113.	-49.	2.	41.	217.	38.	0.48	26.	41.	32.	-5.
28212	GTR216	DISTIL	0.	-0.019	0.	0.016	0.07	14.	19.	6.	27.	44.	17.	0.42	-1.	0.	54.	-2.
28212	GTR216	DISTIL	0.	-0.261	0.	0.227	0.33	-115.	-50.	2.	44.	223.	39.	0.49	25.	42.	33.	-5.
28212	GTRW06	DISTIL	0.	-0.022	0.	0.013	0.05	14.	18.	6.	27.	43.	16.	0.41	-1.	0.	60.	-2.
28212	GTRW08	DISTIL	0.	-0.463	0.	0.267	0.29	-195.	-106.	-1.	41.	299.	50.	0.46	42.	65.	35.	-9.
28212	GTRW12	DISTIL	0.	-0.021	0.	0.014	0.06	14.	18.	6.	27.	43.	16.	0.41	-1.	0.	58.	-2.
28212	GTRW12	DISTIL	0.	-0.439	0.	0.290	0.31	-186.	-100.	-1.	50.	305.	50.	0.48	42.	65.	34.	-8.
28212	GTRW16	DISTIL	0.	-0.021	0.	0.014	0.06	14.	18.	6.	27.	43.	16.	0.41	-1.	0.	59.	-2.
28212	GTRW16	DISTIL	0.	-0.395	0.	0.271	0.31	-168.	-87.	-0.	48.	283.	47.	0.48	37.	59.	34.	-7.
28212	GTR308	DISTIL	0.	-0.024	0.	0.012	0.05	13.	17.	6.	26.	43.	16.	0.40	-0.	0.	59.	-2.
28212	GTR308	DISTIL	0.	-0.368	0.	0.184	0.24	-157.	-80.	0.	22.	228.	41.	0.42	32.	48.	37.	-8.
28212	GTR312	DISTIL	0.	-0.020	0.	0.015	0.06	14.	18.	6.	27.	44.	17.	0.41	-1.	0.	56.	-2.
28212	GTR312	DISTIL	0.	-0.328	0.	0.239	0.31	-141.	-68.	1.	42.	248.	43.	0.47	33.	50.	33.	-6.
28212	GTR316	DISTIL	0.	-0.021	0.	0.015	0.06	14.	18.	6.	27.	44.	17.	0.41	-1.	0.	57.	-2.
28212	GTR316	DISTIL	0.	-0.324	0.	0.233	0.31	-140.	-67.	1.	41.	244.	42.	0.47	31.	49.	33.	-6.
28212	FCPADS	DISTIL	0.	-0.024	0.	0.012	0.05	20.	26.	7.	33.	51.	17.	0.48	-1.	0.	72.	-2.
28212	FCPADS	DISTIL	0.	-0.809	0.	0.392	0.28	-126.	81.	10.	261.	743.	89.	0.85	35.	109.	55.	-33.
28212	FCMCDS	DISTIL	0.	-0.020	0.	0.015	0.07	5.	26.	6.	18.	51.	17.	0.41	-1.	0.	68.	-2.
28212	FCMCDS	DISTIL	0.	-0.535	0.	0.414	0.36	-486.	80.	-1.	-179.	605.	63.	0.46	24.	86.	51.	-22.
28213	STM141	RESIDU	0.	-0.002	0.	0.003	0.01	-1.	-1.	-0.	1.	2.	0.	0.01	-0.	0.	60.	-0.
28213	STM141	COAL-F	0.	-0.002	0.	0.003	0.01	-1.	-4.	-0.	1.	-1.	1.	0.00	-2.	0.	47.	-0.
28213	STM141	COAL-A	0.	-0.002	0.	0.003	0.01	3.	-4.	-0.	4.	-1.	1.	0.01	-1.	0.	46.	-0.
28213	STM088	RESIDU	0.	-0.001	0.	0.001	0.00	-0.	-0.	-0.	0.	1.	0.	0.00	-0.	0.	60.	-0.
28213	STM088	COAL-F	0.	-0.001	0.	0.001	0.00	-0.	-3.	-0.	1.	-2.	1.	-0.00	-2.	0.	47.	-0.
28213	STM088	COAL-A	0.	-0.001	0.	0.001	0.00	3.	-3.	-0.	4.	-2.	1.	0.01	-1.	0.	46.	-0.
28213	PFBSTM	COAL-P	0.	-0.004	0.	0.005	0.01	4.	-5.	0.	7.	0.	2.	0.02	-2.	0.	47.	-0.
28213	TISTMT	RESIDU	0.	-0.005	0.	0.008	0.02	-2.	-2.	-0.	2.	5.	0.	0.02	-6.	0.	63.	-1.
28213	TISTMT	COAL	0.	-0.005	0.	0.008	0.02	-2.	-6.	-0.	3.	2.	1.	0.01	-8.	0.	50.	-1.

ISE PEG AES COGENERATION TECHNOLOGY ALTERNATIVES STUDY
FUEL UNITS = REPORT 6.1 FUEL AND EMISSIONS SAVINGS (SAVINGS ARE
EMISSION UNITS= TIME 1990 LEVEL ALL
COST =$*10**9 · TYPE MATCH=HEAT

PROCS	ECS	ECS FUEL	*****FUEL SAVINGS**** DIRECT***** OIL+GAS	COAL	TOTAL---- OIL+GAS	COAL	FESR	EMISSIONS SAVINGS DIRECT NOX	SOX	PART	TOTAL******** NOX	SOX	PART	EMSR	CAPITL SAVING	ELECTRIC POWER TOTAL EXPORT MWH	COST	LAEC SAVED
28213	TIHRSG	RESIDU	0.	-0.006	0.	0.003	0.01	-2.	-2.	-0.	1.	3.	0.	0.01	-6.	0.	63.	-1.
28213	TIHRSG	COAL	0.	-0.006	0.	0.003	0.01	-2.	-6.	-0.	1.	-1.	1.	0.00	-8.	0.	50.	-1.
28213	STIRL	DISTIL	0.	-0.011	0.	0.008	0.02	-1.	-1.	0.	5.	9.	2.	0.04	1.	0.	67.	-0.
28213	STIRL	RESIDU	0.	-0.011	0.	0.008	0.02	-4.	-4.	-1.	2.	5.	-1.	0.02	1.	0.	59.	0.
28213	STIRL	COAL	0.	-0.011	0.	0.008	0.02	-4.	-9.	-1.	2.	1.	1.	0.01	-1.	0.	46.	0.
28213	HEGT60	COAL-A	0.	-0.048	0.	0.003	0.01	-6.	-32.	-2.	10.	-3.	3.	0.02	-12.	0.	52.	-1.
28213	HEGT00	COAL-A	0.	-0.012	0.	0.003	0.01	0.	-10.	-1.	5.	-2.	1.	0.01	-5.	0.	48.	-0.
28213	FCMCCL	COAL	0.	-0.012	0.	0.014	0.03	5.	6.	1.	13.	20.	3.	0.08	-5.	0.	48.	-0.
28213	FCSTCL	COAL	0.	-0.015	0.	0.018	0.04	5.	6.	1.	16.	24.	3.	0.10	-6.	0.	48.	-0.
28213	IGGTST	COAL	0.	-0.013	0.	0.009	0.02	-4.	-11.	1.	3.	2.	2.	0.02	-6.	0.	49.	-0.
28213	GTSOAR	RESIDU	-0.017	0.	-0.017	0.029	0.02	-6.	-6.	-0.	3.	9.	2.	0.03	1.	0.	59.	0.
28213	GTAC08	RESIDU	0.	-0.010	0.	0.011	0.02	-9.	-4.	-1.	-3.	7.	-0.	0.01	1.	0.	59.	0.
28213	GTAC12	RESIDU	0.	-0.012	0.	0.014	0.03	-11.	-5.	-1.	-3.	9.	-0.	0.01	1.	0.	58.	0.
28213	GTAC16	RESIDU	0.	-0.015	0.	0.015	0.03	-13.	-6.	-2.	-3.	10.	-0.	0.01	1.	0.	58.	0.
28213	GTWC16	RESIDU	0.	-0.016	0.	0.014	0.03	-14.	-7.	-2.	-4.	10.	-0.	0.01	1.	0.	58.	0.
28213	CC1626	RESIDU	0.	-0.023	0.	0.019	0.04	-17.	-9.	-2.	-4.	13.	-1.	0.02	1.	0.	58.	0.
28213	CC1622	RESIDU	0.	-0.020	0.	0.018	0.04	-15.	-8.	-2.	-4.	12.	-0.	0.02	1.	0.	58.	0.
28213	CC1222	RESIDU	0.	-0.019	0.	0.018	0.04	-15.	-8.	-2.	-4.	12.	-0.	0.02	1.	0.	58.	0.
28213	CC0822	RESIDU	0.	-0.014	0.	0.015	0.03	-12.	-6.	-1.	-3.	10.	-0.	0.01	1.	0.	59.	0.
28213	DEADV3	RESIDU	0.	-0.059	0.	0.027	0.06	-65.	-24.	-5.	-38.	22.	-2.	-0.04	1.	0.	57.	-0.
28213	DEHTPM	RESIDU	0.	-0.015	0.	0.012	0.03	-23.	-6.	-2.	-14.	8.	-1.	-0.01	-1.	0.	60.	-0.
28213	DESOA3	DISTIL	-0.078	0.	-0.078	0.105	0.06	-175.	-9.	0.	-142.	45.	3.	-0.22	0.	0.	65.	-1.
28213	DESOA3	RESIDU	-0.078	0.	-0.078	0.105	0.06	-374.	-29.	-1.	-340.	28.	6.	-0.70	0.	0.	58.	-0.
28213	GTSOAD	DISTIL	-0.013	0.	-0.013	0.025	0.03	-5.	-2.	0.	3.	11.	1.	0.04	1.	0.	66.	0.
28213	GTRA08	DISTIL	0.	-0.028	0.	0.020	0.04	-12.	-6.	0.	4.	20.	3.	0.06	1.	0.	65.	-0.
28213	GTRA12	DISTIL	0.	-0.025	0.	0.020	0.04	-11.	-5.	0.	4.	20.	3.	0.06	1.	0.	65.	-0.
28213	GTRA16	DISTIL	0.	-0.023	0.	0.018	0.04	-10.	-5.	0.	3.	18.	3.	0.06	1.	0.	66.	-0.
28213	GTR208	DISTIL	0.	-0.018	0.	0.015	0.03	-8.	-3.	0.	3.	15.	3.	0.05	1.	0.	66.	-0.
28213	GTR212	DISTIL	0.	-0.020	0.	0.016	0.03	-9.	-4.	0.	3.	16.	3.	0.05	1.	0.	66.	-0.
28213	GTR216	DISTIL	0.	-0.020	0.	0.017	0.03	-9.	-4.	0.	3.	17.	3.	0.05	1.	0.	66.	-0.
28213	GTRW08	DISTIL	0.	-0.036	0.	0.020	0.04	-15.	-8.	-0.	3.	23.	4.	0.07	1.	0.	65.	-0.
28213	GTRW12	DISTIL	0.	-0.034	0.	0.022	0.05	-14.	-8.	-0.	4.	23.	4.	0.07	1.	0.	65.	-0.
28213	GTRW16	DISTIL	0.	-0.030	0.	0.020	0.04	-13.	-7.	-0.	3.	21.	4.	0.06	1.	0.	65.	-0.
28213	GTR308	DISTIL	0.	-0.028	0.	0.014	0.03	-12.	-6.	0.	2.	17.	3.	0.05	1.	0.	66.	-0.
28213	GTR312	DISTIL	0.	-0.025	0.	0.018	0.04	-11.	-5.	0.	3.	18.	3.	0.06	1.	0.	65.	-0.
28213	GTR316	DISTIL	0.	-0.024	0.	0.017	0.04	-10.	-5.	0.	0.	18.	3.	0.05	1.	0.	66.	-0.
28213	FCPADS	DISTIL	0.	-0.059	0.	0.029	0.06	-9.	6.	1.	19.	55.	7.	0.18	3.	0.	66.	-1.
28213	FCMCDS	DISTIL	0.	-0.039	0.	0.030	0.06	-36.	6.	-0.	-13.	45.	5.	0.08	2.	0.	65.	-1.
28221	STM141	RESIDU	0.	-0.007	0.	0.011	0.12	-2.	-3.	-0.	3.	7.	0.	0.12	0.	0.	54.	0.
28221	STM141	COAL-F	0.	-0.007	0.	0.011	0.12	-2.	-11.	-0.	4.	0.	2.	0.07	-2.	0.	55.	0.
28221	STM141	COAL-A	0.	-0.007	0.	0.011	0.12	6.	-11.	-0.	12.	0.	2.	0.17	-2.	0.	51.	0.
28221	STM088	RESIDU	0.	-0.005	0.	0.008	0.09	-2.	-2.	-0.	2.	5.	0.	0.09	0.	0.	55.	0.
28221	STM088	COAL-F	0.	-0.005	0.	0.008	0.09	-2.	-9.	-0.	3.	-1.	2.	0.04	-2.	0.	56.	0.
28221	STM088	COAL-A	0.	-0.005	0.	0.008	0.09	6.	-9.	-0.	11.	-1.	2.	0.13	-2.	0.	52.	0.
28221	PFESTM	COAL-P	0.	-0.011	0.	0.018	0.19	8.	-13.	1.	18.	4.	4.	0.29	-3.	0.	57.	0.
28221	TISTMT	RESIDU	0.	-0.015	0.	0.024	0.25	-5.	-6.	-1.	7.	15.	1.	0.26	-10.	0.	89.	-1.

ISE PEG AES COGENERATION TECHNOLOGY ALTERNATIVES STUDY
FUEL UNITS = REPORT 6.1 FUEL AND EMISSIONS SAVINGS (SAVINGS ARE
EMISSION UNITS= TIME 1990 LEVEL ALL
COST =$*10**9 TYPE MATCH=HEAT

PROCS	ECS	ECS FUEL	****DIRECT**** OIL+GAS	COAL	----TOTAL---- OIL+GAS	COAL	FESR	NOX	SOX	PART	NOX	SOX	PART	EMSR	CAPITL SAVING	ELECTRIC POWER TOTAL EXPORT MWH	COST	LAEC SAVED
			***** FUEL SAVINGS *****					---- EMISSIONS SAVINGS ----										
								DIRECT			TOTAL							
28221	TISTMT	COAL	0.	-0.015	0.	0.024	0.25	-5.	-16.	-1.	7.	7.	3.	0.20	-15.	0.	100.	-1.
28221	TIHRSG	RESIDU	0.	-0.010	0.	0.009	0.09	-3.	-4.	-0.	3.	6.	0.	0.10	-10.	0.	95.	-1.
28221	TIHRSG	COAL	0.	-0.010	0.	0.009	0.09	-3.	-12.	-0.	3.	-1.	2.	0.04	-14.	0.	100.	-1.
28221	STIRL	DISTIL	0.	-0.026	0.	0.021	0.22	-2.	-4.	1.	13.	23.	5.	0.48	2.	0.	45.	-0.
28221	STIRL	RESIDU	0.	-0.026	0.	0.021	0.22	-9.	-10.	-3.	6.	15.	-1.	0.22	2.	0.	40.	0.
28221	STIRL	COAL	0.	-0.026	0.	0.021	0.22	-9.	-22.	-1.	6.	5.	3.	0.16	-1.	0.	46.	1.
28221	HEGT85	COAL-A	0.	-0.051	0.	0.012	0.13	-3.	-37.	-3.	18.	-2.	2.	0.21	-16.	0.	111.	-2.
28221	HEGT65	COAL-A	0.	-0.141	0.	0.033	0.16	-20.	-91.	-7.	36.	5.	5.	0.24	-24.	10.	77.	-4.
28221	HEGT60	COAL-A	0.	-0.049	0.	0.014	0.15	-3.	-36.	-2.	17.	-0.	3.	0.22	-14.	0.	89.	-1.
28221	HEGT60	COAL-A	0.	-0.055	0.	0.016	0.15	-4.	-39.	-3.	19.	0.	3.	0.23	-14.	1.	91.	-1.
28221	HEGT00	COAL-A	0.	-0.023	0.	0.007	0.08	1.	-20.	-1.	11.	-3.	2.	0.12	-8.	0.	76.	-0.
28221	FCMCCL	COAL	0.	-0.026	0.	0.030	0.31	11.	13.	1.	29.	44.	6.	0.92	-8.	0.	71.	-0.
28221	FCSTCL	COAL	0.	-0.028	0.	0.035	0.37	8.	8.	1.	29.	44.	6.	0.90	-9.	0.	77.	-0.
28221	FCSTCL	COAL	0.	-0.038	0.	0.047	0.40	11.	13.	1.	39.	60.	8.	1.00	-9.	2.	63.	-0.
28221	IGGTST	COAL	0.	-0.033	0.	0.026	0.27	-12.	-26.	1.	8.	7.	6.	0.24	-8.	0.	73.	-0.
28221	GTSOAR	RESIDU	-0.031	0.	-0.031	0.058	0.28	-12.	-12.	-0.	6.	20.	3.	0.39	2.	0.	36.	0.
28221	GTAC08	RESIDU	0.	-0.021	0.	0.024	0.25	-21.	-9.	-2.	-6.	16.	-1.	0.10	2.	0.	37.	1.
28221	GTAC12	RESIDU	0.	-0.027	0.	0.030	0.31	-24.	-11.	-3.	-6.	19.	-1.	0.14	3.	0.	32.	1.
28221	GTAC16	RESIDU	0.	-0.030	0.	0.033	0.34	-26.	-12.	-3.	-6.	21.	-1.	0.17	3.	0.	31.	1.
28221	GTAC16	RESIDU	0.	-0.031	0.	0.033	0.34	-27.	-12.	-3.	-6.	22.	-1.	0.17	3.	0.	30.	1.
28221	GTWC16	RESIDU	0.	-0.034	0.	0.030	0.31	-28.	-13.	-3.	-8.	20.	-1.	0.13	2.	0.	35.	0.
28221	GTWC16	RESIDU	0.	-0.036	0.	0.031	0.32	-30.	-14.	-4.	-8.	21.	-1.	0.13	3.	0.	32.	1.
28221	CC1626	RESIDU	0.	-0.034	0.	0.029	0.31	-25.	-14.	-3.	-5.	20.	-1.	0.16	2.	0.	40.	0.
28221	CC1626	RESIDU	0.	-0.057	0.	0.049	0.35	-42.	-23.	-5.	-9.	34.	-1.	0.19	5.	4.	33.	0.
28221	CC1622	RESIDU	0.	-0.033	0.	0.031	0.32	-25.	-13.	-3.	-5.	21.	-1.	0.17	2.	0.	37.	0.
28221	CC1622	RESIDU	0.	-0.049	0.	0.046	0.36	-38.	-20.	-5.	-7.	31.	-1.	0.20	4.	3.	32.	0.
28221	CC1222	RESIDU	0.	-0.032	0.	0.031	0.32	-25.	-13.	-3.	-5.	21.	-1.	0.18	2.	0.	36.	0.
28221	CC1222	RESIDU	0.	-0.049	0.	0.047	0.37	-37.	-19.	-5.	-7.	31.	-1.	0.20	4.	3.	31.	0.
28221	CC0822	RESIDU	0.	-0.033	0.	0.033	0.35	-25.	-12.	-3.	-5.	22.	-0.	0.19	2.	0.	35.	0.
28221	CC0822	RESIDU	0.	-0.036	0.	0.040	0.37	-30.	-14.	-4.	-6.	26.	-1.	0.20	3.	1.	31.	1.
28221	STIG15	RESIDU	0.	-0.052	0.	0.011	0.11	-32.	-21.	-2.	-12.	12.	0.	0.01	1.	0.	51.	-0.
28221	STIG15	RESIDU	0.	-2.094	0.	0.438	0.17	-1265.	-838.	-62.	-466.	484.	4.	0.01	152.	232.	39.	-35.
28221	STIG10	RESIDU	0.	-0.048	0.	0.016	0.16	-31.	-19.	-1.	-11.	14.	1.	0.05	2.	0.	46.	-0.
28221	STIG10	RESIDU	0.	-0.176	0.	0.058	0.22	-114.	-70.	-5.	-40.	52.	2.	0.06	13.	16.	38.	-2.
28221	STIG1S	RESIDU	0.	-0.045	0.	0.018	0.19	-31.	-18.	-1.	-11.	15.	1.	0.06	2.	0.	44.	-0.
28221	STIG1S	RESIDU	0.	-0.099	0.	0.039	0.23	-67.	-39.	-2.	-24.	33.	2.	0.07	7.	7.	37.	-1.
28221	DEADV3	RESIDU	0.	-0.041	0.	0.023	0.24	-47.	-16.	-3.	-27.	17.	-1.	-0.13	-0.	0.	51.	-0.
28221	DEADV3	RESIDU	0.	-0.095	0.	0.053	0.29	-110.	-38.	-8.	-63.	40.	-3.	-0.16	4.	8.	41.	-1.
28221	DEHTPM	RESIDU	0.	-0.030	0.	0.034	0.35	-46.	-12.	-3.	-26.	22.	-1.	-0.06	0.	0.	42.	0.
28221	DEHTPM	RESIDU	0.	-0.032	0.	0.036	0.36	-50.	-13.	-3.	-28.	23.	-1.	-0.06	1.	0.	39.	0.
28221	DESOA3	DISTIL	-0.044	0.	-0.044	0.063	0.20	-103.	-0.	0.	-84.	32.	1.	-0.68	-0.	0.	59.	-1.
28221	DESOA3	DISTIL	-0.119	0.	-0.119	0.171	0.26	-264.	-12.	0.	-230.	76.	4.	-0.86	1.	10.	53.	-3.
28221	DESOA3	RESIDU	-0.044	0.	-0.044	0.063	0.20	-225.	-17.	-0.	-205.	18.	3.	-2.46	-0.	0.	52.	-0.
28221	DESOA3	RESIDU	-0.119	0.	-0.119	0.171	0.26	-609.	-45.	-1.	-554.	49.	9.	-2.85	1.	10.	48.	-2.
28221	GTSOAD	DISTIL	-0.027	0.	-0.027	0.054	0.29	-11.	-4.	0.	6.	25.	2.	0.49	3.	0.	37.	0.
28221	GTRA08	DISTIL	0.	-0.033	0.	0.030	0.31	-13.	-6.	1.	7.	30.	6.	0.49	2.	0.	42.	-0.

ISE PEG AES COGENERATION TECHNOLOGY ALTERNATIVES STUDY
FUEL UNITS = REPORT 6.1 FUEL AND EMISSIONS SAVINGS (SAVINGS ARE
EMISSION UNITS= TIME 1990 LEVEL ALL
COST =$*10**9 TYPE MATCH=HEAT

PROCS	ECS	ECS FUEL	*****FUEL SAVINGS***** DIRECT OIL+GAS	DIRECT COAL	TOTAL OIL+GAS	TOTAL COAL	FESR	EMISSIONS SAVINGS DIRECT NOX	DIRECT SOX	DIRECT PART	TOTAL NOX	TOTAL SOX	TOTAL PART	EMSR	CAPITL SAVING	ELECTRIC POWER TOTAL EXPORT MWH	COST	LAEC SAVED
28221	GTRA08	DISTIL	0.	-0.047	0.	0.042	0.34	-20.	-9.	0.	8.	40.	7.	0.50	3.	2.	38.	-0.
28221	GTRA12	DISTIL	0.	-0.033	0.	0.030	0.32	-13.	-5.	1.	7.	30.	6.	0.49	2.	0.	42.	-0.
28221	GTRA12	DISTIL	0.	-0.045	0.	0.042	0.35	-20.	-9.	0.	9.	40.	7.	0.50	3.	2.	37.	-0.
28221	GTRA16	DISTIL	0.	-0.033	0.	0.031	0.32	-13.	-5.	1.	7.	30.	6.	0.49	1.	0.	43.	-0.
28221	GTRA16	DISTIL	0.	-0.042	0.	0.039	0.35	-18.	-8.	0.	8.	37.	6.	0.50	3.	2.	38.	-0.
28221	GTR208	DISTIL	0.	-0.033	0.	0.030	0.32	-14.	-5.	1.	6.	30.	6.	0.48	2.	0.	38.	-0.
28221	GTR208	DISTIL	0.	-0.035	0.	0.033	0.32	-16.	-6.	0.	6.	32.	6.	0.48	3.	0.	36.	0.
28221	GTR212	DISTIL	0.	-0.033	0.	0.030	0.32	-14.	-5.	1.	6.	30.	6.	0.48	2.	0.	40.	-0.
28221	GTR212	DISTIL	0.	-0.038	0.	0.035	0.33	-17.	-7.	0.	7.	34.	6.	0.49	3.	1.	37.	-0.
28221	GTR216	DISTIL	0.	-0.032	0.	0.031	0.32	-14.	-5.	1.	7.	30.	6.	0.49	2.	0.	40.	-0.
28221	GTR216	DISTIL	0.	-0.038	0.	0.036	0.34	-17.	-7.	0.	7.	35.	6.	0.49	3.	1.	37.	-0.
28221	GTRW08	DISTIL	0.	-0.038	0.	0.025	0.26	-15.	-7.	0.	6.	29.	5.	0.46	1.	0.	47.	-0.
28221	GTRW08	DISTIL	0.	-0.064	0.	0.042	0.30	-27.	-14.	-0.	7.	45.	8.	0.47	4.	4.	40.	-1.
28221	GTRW12	DISTIL	0.	-0.037	0.	0.027	0.28	-14.	-6.	0.	7.	29.	5.	0.47	1.	0.	46.	-0.
28221	GTRW12	DISTIL	0.	-0.063	0.	0.046	0.32	-27.	-14.	0.	8.	46.	8.	0.48	4.	4.	39.	-1.
28221	GTRW16	DISTIL	0.	-0.036	0.	0.027	0.28	-14.	-6.	0.	7.	29.	5.	0.47	1.	0.	46.	-0.
28221	GTRW16	DISTIL	0.	-0.058	0.	0.043	0.32	-25.	-12.	0.	8.	44.	7.	0.48	3.	4.	40.	-1.
28221	GTR308	DISTIL	0.	-0.040	0.	0.023	0.24	-16.	-7.	0.	4.	28.	5.	0.43	2.	0.	45.	-0.
28221	GTR308	DISTIL	0.	-0.051	0.	0.030	0.26	-22.	-11.	0.	4.	35.	6.	0.44	3.	2.	41.	-0.
28221	GTR312	DISTIL	0.	-0.036	0.	0.027	0.29	-14.	-6.	0.	6.	29.	6.	0.47	2.	0.	43.	-0.
28221	GTR312	DISTIL	0.	-0.050	0.	0.038	0.32	-22.	-10.	0.	7.	39.	7.	0.48	4.	2.	38.	-0.
28221	GTR316	DISTIL	0.	-0.036	0.	0.027	0.28	-15.	-6.	0.	6.	29.	6.	0.47	2.	0.	44.	-0.
28221	GTR316	DISTIL	0.	-0.049	0.	0.037	0.31	-21.	-10.	0.	7.	38.	7.	0.48	3.	2.	39.	-0.
28221	FCPADS	DISTIL	0.	-0.043	0.	0.021	0.22	-4.	7.	1.	17.	42.	6.	0.75	1.	0.	60.	-1.
28221	FCPADS	DISTIL	0.	-0.130	0.	0.063	0.28	-20.	13.	2.	42.	120.	14.	0.85	6.	12.	56.	-5.
28221	FCMCDS	DISTIL	0.	-0.036	0.	0.028	0.29	-30.	8.	1.	-9.	43.	6.	0.45	1.	0.	55.	-1.
28221	FCMCDS	DISTIL	0.	-0.086	0.	0.067	0.36	-78.	13.	-0.	-29.	97.	10.	0.46	4.	8.	51.	-3.
28241	STM141	RESIDU	0.	-0.004	0.	0.007	0.02	-1.	-2.	-0.	2.	4.	0.	0.02	-0.	0.	59.	0.
28241	STM141	COAL-F	0.	-0.004	0.	0.007	0.02	-1.	-8.	-0.	2.	-1.	2.	0.01	-2.	0.	48.	0.
28241	STM141	COAL-A	0.	-0.004	0.	0.007	0.02	5.	-8.	-0.	9.	-1.	2.	0.03	-2.	0.	47.	0.
28241	STM088	RESIDU	0.	-0.003	0.	0.004	0.01	-1.	-1.	-0.	1.	3.	0.	0.01	0.	0.	60.	0.
28241	STM088	COAL-F	0.	-0.003	0.	0.004	0.01	-1.	-7.	-0.	2.	-3.	1.	0.00	-2.	0.	48.	0.
28241	STM088	COAL-A	0.	-0.003	0.	0.004	0.01	6.	-7.	-0.	8.	-3.	1.	0.03	-2.	0.	47.	0.
28241	PFBSTM	COAL-P	0.	-0.008	0.	0.012	0.04	7.	-10.	1.	14.	1.	3.	0.07	-3.	0.	48.	0.
28241	TISTMT	RESIDU	0.	-0.011	0.	0.017	0.06	-4.	-4.	-1.	5.	10.	1.	0.06	-9.	0.	67.	-1.
28241	TISTMT	COAL	0.	-0.011	0.	0.017	0.06	-4.	-12.	-1.	5.	4.	2.	0.04	-13.	0.	57.	-1.
28241	TIHRSG	RESIDU	0.	-0.010	0.	0.007	0.02	-3.	-4.	-0.	2.	5.	0.	0.02	-9.	0.	68.	-1.
28241	TIHRSG	COAL	0.	-0.010	0.	0.007	0.02	-3.	-11.	-0.	2.	-2.	2.	0.01	-13.	0.	57.	-1.
28241	STIRL	DISTIL	0.	-0.021	0.	0.016	0.05	-1.	-3.	1.	11.	18.	4.	0.12	2.	0.	64.	-0.
28241	STIRL	RESIDU	0.	-0.021	0.	0.016	0.05	-7.	-8.	-2.	4.	11.	-1.	0.05	2.	0.	56.	0.
28241	STIRL	COAL	0.	-0.021	0.	0.016	0.05	-7.	-18.	-1.	5.	3.	2.	0.04	-1.	0.	46.	1.
28241	HEGT60	COAL-A	0.	-0.067	0.	0.010	0.03	-7.	-46.	-3.	17.	-3.	2.	0.06	-15.	0.	59.	-1.
28241	HEGT00	COAL-A	0.	-0.022	0.	0.006	0.02	1.	-19.	-1.	10.	-3.	2.	0.03	-7.	0.	52.	-0.
28241	FCMCCL	COAL	0.	-0.022	0.	0.025	0.09	10.	11.	1.	25.	38.	5.	0.25	-7.	0.	51.	-0.
28241	FCSTCL	COAL	0.	-0.029	0.	0.036	0.12	10.	11.	1.	31.	47.	6.	0.31	-8.	0.	51.	-0.
28241	IGGTST	COAL	0.	-0.025	0.	0.019	0.06	-9.	-21.	1.	5.	4.	5.	0.05	-8.	0.	52.	-0.

ISE PEG AES COGENERATION TECHNOLOGY ALTERNATIVES STUDY
FUEL UNITS = REPORT 6.1 FUEL AND EMISSIONS SAVINGS (SAVINGS ARE
EMISSION UNITS= TIME 1990 LEVEL ALL
COST =$*10**9 TYPE MATCH=HEAT

PROCS	ECS	ECS FUEL	*****FUEL SAVINGS***** DIRECT OIL+GAS	DIRECT COAL	TOTAL OIL+GAS	TOTAL COAL	FESR	EMISSIONS SAVINGS DIRECT NOX	DIRECT SOX	DIRECT PART	TOTAL NOX	TOTAL SOX	TOTAL PART	EMSR	CAPITL SAVING	ELECTRIC POWER TOTAL EXPORT MWH	ELECTRIC POWER COST	ELECTRIC POWER LAEC SAVED
28241	GTSOAR	RESIDU	-0.030	0.	-0.030	0.052	0.08	-11.	-11.	-0.	5.	17.	3.	0.10	2.	0.	55.	0.
28241	GTAC08	RESIDU	0.	-0.018	0.	0.021	0.07	-18.	-7.	-2.	-5.	13.	-1.	0.03	2.	0.	56.	0.
28241	GTAC12	RESIDU	0.	-0.023	0.	0.025	0.09	-21.	-9.	-3.	-5.	17.	-1.	0.04	2.	0.	54.	1.
28241	GTAC16	RESIDU	0.	-0.027	0.	0.028	0.10	-23.	-11.	-3.	-6.	19.	-1.	0.05	2.	0.	54.	1.
28241	GTWC16	RESIDU	0.	-0.031	0.	0.027	0.09	-25.	-12.	-3.	-7.	18.	-1.	0.04	2.	0.	54.	1.
28241	CC1626	RESIDU	0.	-0.045	0.	0.038	0.13	-34.	-18.	-4.	-8.	26.	-1.	0.06	3.	0.	52.	1.
28241	CC1622	RESIDU	0.	-0.039	0.	0.035	0.12	-30.	-15.	-4.	-7.	24.	-1.	0.06	3.	0.	53.	1.
28241	CC1222	RESIDU	0.	-0.038	0.	0.035	0.12	-30.	-15.	-4.	-6.	24.	-1.	0.06	3.	0.	52.	1.
28241	CC0822	RESIDU	0.	-0.028	0.	0.030	0.10	-24.	-11.	-3.	-5.	20.	-1.	0.05	2.	0.	54.	1.
28241	STIG15	RESIDU	0.	-0.223	0.	0.047	0.16	-135.	-89.	-7.	-50.	52.	0.	0.01	13.	0.	43.	-1.
28241	STIG15	RESIDU	0.	-1.795	0.	0.375	0.17	-1084.	-718.	-53.	-399.	415.	3.	0.01	131.	178.	39.	-27.
28241	STIG10	RESIDU	0.	-0.151	0.	0.050	0.17	-98.	-60.	-4.	-34.	45.	2.	0.05	10.	0.	44.	0.
28241	STIG1S	RESIDU	0.	-0.085	0.	0.033	0.11	-56.	-34.	-2.	-20.	28.	2.	0.03	6.	0.	50.	0.
28241	DEADV3	RESIDU	0.	-0.098	0.	0.048	0.16	-110.	-39.	-8.	-64.	38.	-4.	-0.11	3.	0.	50.	0.
28241	DEHTPM	RESIDU	0.	-0.028	0.	0.026	0.09	-43.	-11.	-3.	-26.	18.	-1.	-0.03	-0.	0.	57.	0.
28241	DESOA3	DISTIL	-0.126	0.	-0.126	0.174	0.16	-289.	-15.	0.	-235.	76.	4.	-0.59	1.	0.	59.	-2.
28241	DESOA3	RESIDU	-0.126	0.	-0.126	0.174	0.16	-620.	-47.	-1.	-564.	47.	9.	-1.92	1.	0.	53.	-1.
28241	GTSOAD	DISTIL	-0.024	0.	-0.024	0.047	0.08	-10.	-4.	0.	5.	21.	2.	0.11	2.	0.	62.	0.
28241	GTRA08	DISTIL	0.	-0.047	0.	0.036	0.12	-20.	-10.	0.	7.	36.	6.	0.18	3.	0.	59.	0.
28241	GTRA12	DISTIL	0.	-0.044	0.	0.036	0.12	-19.	-9.	0.	7.	36.	6.	0.18	3.	0.	59.	0.
28241	GTRA16	DISTIL	0.	-0.040	0.	0.034	0.11	-17.	-8.	0.	7.	33.	6.	0.17	2.	0.	60.	-0.
28241	GTR208	DISTIL	0.	-0.033	0.	0.028	0.09	-14.	-6.	0.	5.	28.	5.	0.14	2.	0.	61.	0.
28241	GTR212	DISTIL	0.	-0.035	0.	0.030	0.10	-15.	-7.	0.	6.	30.	5.	0.15	2.	0.	61.	0.
28241	GTR216	DISTIL	0.	-0.035	0.	0.031	0.11	-16.	-7.	0.	6.	31.	5.	0.15	2.	0.	61.	0.
28241	GTRW08	DISTIL	0.	-0.062	0.	0.037	0.12	-26.	-14.	-0.	6.	41.	7.	0.19	4.	0.	58.	-0.
28241	GTRW12	DISTIL	0.	-0.059	0.	0.040	0.13	-25.	-13.	-0.	7.	42.	7.	0.20	4.	0.	58.	-0.
28241	GTRW16	DISTIL	0.	-0.053	0.	0.037	0.13	-23.	-12.	0.	7.	39.	6.	0.19	3.	0.	59.	-0.
28241	GTR308	DISTIL	0.	-0.049	0.	0.025	0.09	-21.	-11.	0.	3.	31.	6.	0.15	3.	0.	61.	-0.
28241	GTR312	DISTIL	0.	-0.045	0.	0.033	0.11	-19.	-9.	0.	6.	34.	6.	0.17	3.	0.	60.	-0.
28241	GTR316	DISTIL	0.	-0.044	0.	0.032	0.11	-19.	-9.	0.	6.	33.	6.	0.16	3.	0.	60.	-0.
28241	FCPADS	DISTIL	0.	-0.112	0.	0.054	0.18	-17.	11.	1.	36.	103.	12.	0.55	5.	0.	60.	-2.
28241	FCMCDS	DISTIL	0.	-0.074	0.	0.057	0.19	-67.	11.	-0.	-25.	83.	9.	0.25	4.	0.	60.	-1.
28242	STM141	RESIDU	0.	-0.007	0.	0.011	0.09	-2.	-3.	-0.	3.	7.	0.	0.09	0.	0.	54.	0.
28242	STM141	COAL-F	0.	-0.007	0.	0.011	0.09	-2.	-9.	-0.	3.	2.	2.	0.06	-2.	0.	48.	0.
28242	STM141	COAL-A	0.	-0.007	0.	0.011	0.09	4.	-9.	-0.	10.	2.	2.	0.11	-1.	0.	46.	0.
28242	STM088	RESIDU	0.	-0.005	0.	0.008	0.07	-2.	-2.	-0.	3.	5.	0.	0.07	0.	0.	55.	0.
28242	STM088	COAL-F	0.	-0.005	0.	0.008	0.07	-2.	-8.	-0.	3.	0.	1.	0.04	-2.	0.	48.	0.
28242	STM088	COAL-A	0.	-0.005	0.	0.008	0.07	4.	-8.	-0.	9.	0.	1.	0.09	-1.	0.	47.	0.
28242	PFBSTM	COAL-P	0.	-0.010	0.	0.016	0.13	6.	-11.	1.	14.	4.	3.	0.18	-3.	0.	49.	0.
28242	TISTMT	RESIDU	0.	-0.013	0.	0.020	0.16	-4.	-5.	-1.	6.	13.	1.	0.17	-8.	0.	71.	-1.
28242	TISTMT	COAL	0.	-0.013	0.	0.020	0.16	-4.	-12.	-1.	6.	6.	2.	0.13	-11.	0.	69.	-1.
28242	TIHRSG	RESIDU	0.	-0.006	0.	0.007	0.05	-2.	-2.	-0.	2.	5.	0.	0.06	-7.	0.	73.	-1.
28242	TIHRSG	COAL	0.	-0.006	0.	0.007	0.05	-2.	-8.	-0.	2.	-1.	1.	0.03	-10.	0.	68.	-1.
28242	STIRL	DISTIL	0.	-0.020	0.	0.017	0.14	-2.	-3.	0.	10.	18.	4.	0.28	2.	0.	54.	0.
28242	STIRL	RESIDU	0.	-0.020	0.	0.017	0.14	-7.	-8.	-2.	5.	12.	-1.	0.14	2.	0.	48.	0.
28242	STIRL	COAL	0.	-0.020	0.	0.017	0.14	-7.	-17.	-1.	5.	4.	2.	0.10	-1.	0.	43.	1.

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COST =$*10**9 TYPE MATCH=HEAT

PROCS	ECS	ECS FUEL	*****FUEL SAVINGS***** DIRECT OIL+GAS	COAL	TOTAL OIL+GAS	COAL	FESR	EMISSIONS SAVINGS DIRECT NOX	SOX	PART	TOTAL NOX	SOX	PART	EMSR	CAPITL SAVING	ELECTRIC POWER TOTAL EXPORT MWH	COST	LAEC SAVED
28242	HEGT85	COAL-A	0.	-0.059	0.	0.024	0.19	-7.	-40.	-3.	20.	6.	3.	0.25	-15.	0.	75.	-1.
28242	HEGTGO	COAL-A	0.	-0.032	0.	0.013	0.10	-2.	-24.	-2.	13.	2.	2.	0.14	-10.	0.	65.	-1.
28242	HEGTOO	COAL-A	0.	-0.016	0.	0.006	0.05	1.	-14.	-1.	8.	-2.	1.	0.07	-6.	0.	57.	-0.
28242	FCMCCL	COAL	0.	-0.019	0.	0.022	0.17	8.	9.	1.	21.	32.	4.	0.50	-6.	0.	56.	-0.
28242	FCSTCL	COAL	0.	-0.030	0.	0.038	0.30	8.	9.	1.	30.	48.	6.	0.72	-7.	0.	55.	0.
28242	IGGTST	COAL	0.	-0.027	0.	0.022	0.17	-9.	-21.	1.	7.	7.	5.	0.15	-7.	0.	58.	-0.
28242	GTSOAR	RESIDU	-0.021	0.	-0.021	0.041	0.15	-9.	-8.	-0.	4.	14.	2.	0.20	1.	0.	48.	0.
28242	GTAC08	RESIDU	0.	-0.016	0.	0.018	0.14	-15.	-6.	-2.	-5.	11.	-0.	0.05	1.	0.	48.	0.
28242	GTAC12	RESIDU	0.	-0.019	0.	0.022	0.17	-17.	-8.	-2.	-4.	14.	-0.	0.08	2.	0.	46.	1.
28242	GTAC16	RESIDU	0.	-0.022	0.	0.024	0.19	-19.	-9.	-2.	-4.	16.	-0.	0.09	2.	0.	45.	1.
28242	GTWC16	RESIDU	0.	-0.026	0.	0.023	0.18	-22.	-10.	-3.	-6.	16.	-1.	0.08	2.	0.	46.	0.
28242	CC1626	RESIDU	0.	-0.045	0.	0.040	0.32	-33.	-18.	-4.	-6.	27.	-1.	0.17	3.	0.	37.	1.
28242	CC1622	RESIDU	0.	-0.039	0.	0.036	0.30	-29.	-16.	-4.	-5.	25.	-1.	0.17	3.	0.	38.	1.
28242	CC1222	RESIDU	0.	-0.039	0.	0.038	0.30	-29.	-15.	-4.	-5.	25.	-1.	0.17	3.	0.	38.	1.
28242	CC0822	RESIDU	0.	-0.029	0.	0.033	0.26	-23.	-12.	-3.	-4.	21.	-0.	0.15	2.	0.	42.	1.
28242	STIG15	RESIDU	0.	-0.085	0.	0.018	0.14	-51.	-34.	-3.	-19.	20.	0.	0.01	3.	0.	47.	-0.
28242	STIG15	RESIDU	0.	-1.526	0.	0.319	0.17	-922.	-610.	-45.	-339.	353.	3.	0.01	100.	163.	38.	-24.
28242	STIG10	RESIDU	0.	-0.077	0.	0.025	0.20	-50.	-31.	-2.	-17.	23.	1.	0.06	3.	0.	42.	-0.
28242	STIG10	RESIDU	0.	-0.128	0.	0.042	0.22	-83.	-51.	-3.	-29.	38.	2.	0.06	7.	6.	38.	-1.
28242	STIG1S	RESIDU	0.	-0.072	0.	0.028	0.22	-49.	-29.	-2.	-17.	24.	1.	0.07	4.	0.	38.	0.
28242	DEADV3	RESIDU	0.	-0.059	0.	0.037	0.29	-70.	-24.	-5.	-40.	27.	-2.	-0.13	1.	0.	42.	0.
28242	DEHTPM	RESIDU	0.	-0.022	0.	0.029	0.23	-36.	-9.	-2.	-19.	19.	-0.	-0.01	0.	0.	48.	0.
28242	DESOA3	DISTIL	-0.069	0.	-0.069	0.103	0.27	-170.	-6.	0.	-138.	47.	3.	-0.82	0.	0.	51.	-1.
28242	DESOA3	DISTIL	-0.072	0.	-0.072	0.108	0.27	-180.	-7.	0.	-146.	50.	3.	-0.83	1.	1.	50.	-1.
28242	DESOA3	RESIDU	-0.069	0.	-0.069	0.103	0.27	-366.	-26.	-1.	-333.	30.	6.	-2.78	0.	0.	45.	-0.
28242	DESOA3	RESIDU	-0.072	0.	-0.072	0.108	0.27	-386.	-27.	-1.	-351.	32.	6.	-2.79	1.	1.	44.	-0.
28242	GTSOAD	DISTIL	-0.019	0.	-0.019	0.039	0.16	-8.	-3.	0.	4.	18.	2.	0.23	2.	0.	53.	0.
28242	GTRA08	DISTIL	0.	-0.031	0.	0.030	0.24	-13.	-6.	0.	6.	28.	5.	0.34	2.	0.	49.	0.
28242	GTRA12	DISTIL	0.	-0.030	0.	0.030	0.24	-13.	-6.	0.	6.	28.	5.	0.34	2.	0.	49.	0.
28242	GTRA16	DISTIL	0.	-0.028	0.	0.028	0.22	-12.	-5.	0.	6.	27.	5.	0.32	1.	0.	50.	0.
28242	GTR208	DISTIL	0.	-0.024	0.	0.024	0.19	-11.	-4.	0.	5.	23.	4.	0.27	1.	0.	52.	0.
28242	GTR212	DISTIL	0.	-0.026	0.	0.025	0.20	-12.	-4.	0.	5.	24.	4.	0.29	1.	0.	51.	0.
28242	GTR216	DISTIL	0.	-0.026	0.	0.026	0.21	-12.	-4.	0.	5.	25.	4.	0.30	1.	0.	51.	0.
28242	GTRW08	DISTIL	0.	-0.043	0.	0.030	0.24	-18.	-9.	0.	5.	31.	5.	0.36	2.	0.	48.	-0.
28242	GTRW12	DISTIL	0.	-0.042	0.	0.033	0.26	-18.	-9.	0.	6.	33.	5.	0.38	2.	0.	46.	0.
28242	GTRW16	DISTIL	0.	-0.040	0.	0.031	0.25	-17.	-8.	0.	6.	31.	5.	0.36	2.	0.	48.	-0.
28242	GTR308	DISTIL	0.	-0.033	0.	0.022	0.17	-15.	-7.	0.	3.	24.	4.	0.28	2.	0.	52.	-0.
28242	GTR312	DISTIL	0.	-0.035	0.	0.028	0.22	-15.	-7.	0.	5.	28.	5.	0.33	2.	0.	49.	0.
28242	GTR316	DISTIL	0.	-0.035	0.	0.027	0.21	-15.	-7.	0.	5.	28.	5.	0.32	2.	0.	50.	-0.
28242	FCPADS	DISTIL	0.	-0.069	0.	0.034	0.27	-10.	8.	1.	23.	65.	8.	0.83	2.	0.	56.	-2.
28242	FCPADS	DISTIL	0.	-0.095	0.	0.046	0.28	-15.	9.	1.	31.	87.	10.	0.85	4.	4.	54.	-2.
28242	FCMCDS	DISTIL	0.	-0.058	0.	0.045	0.35	-52.	9.	-0.	-19.	66.	7.	0.46	2.	0.	51.	-1.
28242	FCMCDS	DISTIL	0.	-0.063	0.	0.049	0.36	-57.	9.	-0.	-21.	71.	7.	0.46	3.	1.	49.	-1.
28651	STM141	RESIDU	0.	-0.014	0.	0.023	0.07	-5.	-6.	-1.	7.	14.	1.	0.08	-0.	0.	45.	0.
28651	STM141	RESIDU	0.	-0.115	0.	0.191	0.32	-40.	-46.	-6.	57.	118.	8.	0.34	24.	25.	18.	2.
28651	STM141	COAL-F	0.	-0.014	0.	0.023	0.07	-5.	-66.	-1.	9.	-37.	13.	-0.05	-16.	0.	166.	2.

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PROCS	ECS	ECS FUEL	*****FUEL SAVINGS***** DIRECT OIL+GAS	TOTAL OIL+GAS	TOTAL COAL	FESR	EMISSIONS SAVINGS DIRECT NOX	DIRECT SOX	DIRECT PART	TOTAL NOX	TOTAL SOX	TOTAL PART	EMSR	CAPITL SAVING	ELECTRIC POWER TOTAL EXPORT MWH	COST	LAEC SAVED
28651	STM141	COAL-F	0.	-0.115	0.	0.191	0.32	-40.	-127.	-6.	60.	49.	24.	0.25	6.	25.	30.	5.
28651	STM141	COAL-A	0.	-0.014	0.	0.023	0.07	60.	-66.	-1.	74.	-37.	13.	0.17	-14.	0.	154.	2.
28651	STM141	COAL-A	0.	-0.115	0.	0.191	0.32	46.	-127.	-6.	147.	49.	24.	0.41	12.	25.	25.	6.
28651	STM088	RESIDU	0.	-0.014	0.	0.023	0.07	-5.	-6.	-1.	7.	14.	1.	0.08	0.	0.	44.	0.
28651	STM088	RESIDU	0.	-0.087	0.	0.145	0.28	-31.	-35.	-4.	43.	89.	6.	0.30	19.	18.	17.	2.
28651	STM088	COAL-F	0.	-0.014	0.	0.023	0.07	-5.	-66.	-1.	9.	-37.	13.	-0.05	-16.	0.	168.	2.
28651	STM088	COAL-F	0.	-0.087	0.	0.145	0.28	-31.	-110.	-4.	46.	26.	21.	0.20	1.	18.	34.	4.
28651	STM088	COAL-A	0.	-0.014	0.	0.023	0.07	60.	-66.	-1.	74.	-37.	13.	0.17	-14.	0.	154.	2.
28651	STM088	COAL-A	0.	-0.087	0.	0.145	0.28	50.	-110.	-4.	127.	26.	21.	0.37	6.	18.	29.	5.
28651	PFBSTM	COAL-P	0.	-0.014	0.	0.023	0.07	60.	-66.	-1.	74.	-37.	13.	0.17	-14.	0.	158.	2.
28651	PFBSTM	COAL-P	0.	-0.182	0.	0.290	0.38	66.	-167.	7.	220.	100.	47.	0.53	14.	41.	29.	5.
28651	TISTMT	RESIDU	0.	-0.014	0.	0.023	0.07	-5.	-6.	-1.	7.	14.	1.	0.08	-9.	0.	103.	-1.
28651	TISTMT	RESIDU	0.	-0.145	0.	0.231	0.35	-51.	-58.	-7.	69.	144.	9.	0.37	-35.	32.	62.	-6.
28651	TISTMT	COAL	0.	-0.014	0.	0.023	0.07	-5.	-66.	-1.	9.	-37.	13.	-0.05	-24.	0.	221.	1.
28651	TISTMT	COAL	0.	-0.239	0.	0.381	0.42	-84.	-201.	-12.	118.	147.	36.	0.36	-75.	55.	64.	-6.
28651	TIHRSG	RESIDU	0.	-0.019	0.	0.018	0.06	-7.	-8.	-1.	5.	12.	1.	0.06	-16.	0.	156.	-2.
28651	TIHRSG	RESIDU	0.	-0.083	0.	0.080	0.18	-29.	-33.	-4.	23.	54.	2.	0.19	-42.	12.	108.	-7.
28651	TIHRSG	COAL	0.	-0.019	0.	0.018	0.06	-7.	-69.	-1.	7.	-40.	13.	-0.07	-33.	0.	286.	-1.
28651	TIHRSG	COAL	0.	-0.136	0.	0.132	0.24	-48.	-139.	-7.	41.	16.	21.	0.15	-87.	22.	118.	-8.
28651	STIRL	DISTIL	0.	-0.020	0.	0.017	0.05	30.	28.	9.	44.	57.	23.	0.43	-3.	0.	72.	-3.
28651	STIRL	DISTIL	0.	-0.237	0.	0.194	0.27	-20.	-33.	5.	121.	212.	42.	0.57	15.	37.	39.	-7.
28651	STIRL	RESIDU	0.	-0.020	0.	0.017	0.05	-7.	-8.	-1.	5.	12.	0.	0.06	-3.	0.	67.	-0.
28651	STIRL	RESIDU	0.	-0.237	0.	0.194	0.27	-83.	-95.	-21.	54.	134.	-5.	0.28	15.	37.	35.	-3.
28651	STIRL	COAL	0.	-0.020	0.	0.017	0.05	-7.	-70.	-1.	7.	-41.	13.	-0.07	-17.	0.	174.	2.
28651	STIRL	COAL	0.	-0.390	0.	0.319	0.32	-136.	-291.	-19.	94.	105.	34.	0.26	-17.	63.	43.	-0.
28651	HEGT85	COAL-A	0.	-0.029	0.	0.008	0.03	58.	-75.	-1.	72.	-46.	12.	0.13	-20.	0.	198.	1.
28651	HEGT85	COAL-A	0.	-1.708	0.	0.481	0.19	-262.	-1083.	-85.	445.	123.	56.	0.27	-32.	202.	45.	-19.
28651	HEGT60	COAL-A	0.	-0.028	0.	0.009	0.03	58.	-74.	-1.	72.	-45.	12.	0.14	-20.	0.	195.	1.
28651	HEGT60	COAL-A	0.	-0.743	0.	0.243	0.19	-86.	-503.	-37.	233.	44.	33.	0.27	-34.	89.	49.	-8.
28651	HEGT00	COAL-A	0.	-0.028	0.	0.009	0.03	58.	-74.	-1.	72.	-45.	12.	0.14	-19.	0.	194.	1.
28651	HEGT00	COAL-A	0.	-0.332	0.	0.111	0.15	-12.	-257.	-17.	133.	-6.	21.	0.22	-27.	38.	57.	-3.
28651	FCMCCL	COAL	0.	-0.561	0.	0.246	0.22	100.	115.	12.	362.	565.	72.	1.00	-11.	72.	45.	-4.
28651	FCSTCL	COAL	0.	-0.765	0.	0.539	0.34	100.	115.	12.	522.	836.	100.	1.00	10.	119.	37.	-2.
28651	IGGTST	COAL	0.	-0.693	0.	0.225	0.19	-243.	-474.	9.	55.	37.	75.	0.15	3.	83.	39.	-2.
28651	GTSOAR	RESIDU	-0.020	0.	-0.020	0.037	0.05	-2.	-7.	-0.	10.	13.	2.	0.14	-1.	0.	55.	-0.
28651	GTSOAR	RESIDU	-0.272	0.	-0.272	0.508	0.30	-82.	-102.	-2.	81.	175.	28.	0.46	33.	44.	27.	-1.
28651	GTAC08	RESIDU	0.	-0.017	0.	0.020	0.06	-6.	-7.	-1.	6.	13.	1.	0.07	-1.	0.	50.	-0.
28651	GTAC08	RESIDU	0.	-0.189	0.	0.213	0.31	-139.	-76.	-17.	-11.	139.	-1.	0.20	28.	34.	23.	1.
28651	GTAC12	RESIDU	0.	-0.018	0.	0.020	0.06	-6.	-7.	-1.	6.	13.	1.	0.07	-1.	0.	49.	-0.
28651	GTAC12	RESIDU	0.	-0.237	0.	0.264	0.33	-168.	-95.	-21.	-8.	172.	-1.	0.23	34.	43.	24.	1.
28651	GTAC16	RESIDU	0.	-0.018	0.	0.019	0.06	-6.	-7.	-1.	6.	13.	1.	0.07	-1.	0.	50.	-0.
28651	GTAC16	RESIDU	0.	-0.271	0.	0.293	0.34	-188.	-108.	-23.	-8.	192.	-1.	0.24	36.	49.	25.	0.
28651	GTWC16	RESIDU	0.	-0.020	0.	0.017	0.05	-7.	-8.	-1.	5.	12.	0.	0.06	-1.	0.	54.	-0.
28651	GTWC16	RESIDU	0.	-0.318	0.	0.279	0.32	-216.	-127.	-27.	-27.	190.	-4.	0.20	40.	52.	26.	-1.
28651	CC1626	RESIDU	0.	-0.020	0.	0.017	0.05	-7.	-8.	-1.	5.	12.	0.	0.06	-1.	0.	54.	-0.
28651	CC1626	RESIDU	0.	-0.530	0.	0.463	0.36	-344.	-212.	-43.	-28.	315.	-6.	0.24	67.	90.	26.	-1.

ISE PEG AES COGENERATION TECHNOLOGY ALTERNATIVES STUDY
FUEL UNITS = REPORT 6.1 FUEL AND EMISSIONS SAVINGS (SAVINGS ARE
EMISSION UNITS= TIME 1990 LEVEL ALL
COST =$*10**9 TYPE MATCH=POWR

PROCS	ECS	ECS FUEL	*****FUEL SAVINGS***** DIRECT OIL+GAS	DIRECT COAL	TOTAL OIL+GAS	TOTAL COAL	FESR	EMISSIONS SAVINGS DIRECT NOX	DIRECT SOX	DIRECT PART	TOTAL NOX	TOTAL SOX	TOTAL PART	EMSR	CAPITL SAVING	ELECTRIC POWER TOTAL EXPORT MWH	COST	LAEC SAVED
28651	CC1622	RESIDU	0.	-0.019	0.	0.018	0.06	-7.	-8.	-1.	5.	12.	0.	0.06	-1.	0.	52.	-0.
28651	CC1622	RESIDU	0.	-0.457	0.	0.437	0.37	-300.	-183.	-38.	-16.	292.	-3.	0.25	58.	80.	26.	-1.
28651	CC1222	RESIDU	0.	-0.019	0.	0.018	0.06	-7.	-8.	-1.	5.	12.	1.	0.06	-0.	0.	51.	-0.
28651	CC1222	RESIDU	0.	-0.452	0.	0.439	0.37	-297.	-181.	-37.	-13.	293.	-3.	0.26	60.	80.	25.	-0.
28651	CC0622	RESIDU	0.	-0.018	0.	0.020	0.06	-6.	-7.	-1.	6.	13.	1.	0.07	-1.	0.	51.	-0.
28651	CC0822	RESIDU	0.	-0.337	0.	0.377	0.38	-228.	-135.	-28.	-1.	245.	0.	0.27	49.	63.	24.	1.
28651	STIG15	RESIDU	0.	-0.031	0.	0.006	0.02	-11.	-12.	-2.	1.	7.	-1.	0.03	-1.	0.	63.	-1.
28651	STIG15	RESIDU	0.	-18.550	0.	3.879	0.17	-11156.	-7420.	-554.	-4079.	4290.	31.	0.01	1485.	2100.	37.	-205.
28651	STIG10	RESIDU	0.	-0.028	0.	0.009	0.03	-10.	-11.	-1.	2.	8.	-0.	0.03	-1.	0.	59.	-0.
28651	STIG10	RESIDU	0.	-1.560	0.	0.514	0.22	-962.	-624.	-45.	-306.	463.	16.	0.08	135.	191.	35.	-21.
28651	STIG1S	RESIDU	0.	-0.027	0.	0.010	0.03	-9.	-11.	-1.	2.	9.	-0.	0.04	-0.	0.	57.	-0.
28651	STIG1S	RESIDU	0.	-0.874	0.	0.343	0.23	-550.	-349.	-24.	-165.	290.	13.	0.10	82.	111.	33.	-11.
28651	DEADV3	RESIDU	0.	-0.024	0.	0.014	0.04	-8.	-9.	-1.	4.	10.	0.	0.05	-5.	0.	83.	-1.
28651	DEADV3	RESIDU	0.	-0.803	0.	0.462	0.30	-824.	-321.	-64.	-423.	347.	-21.	-0.07	31.	115.	40.	-13.
28651	DEHTPM	RESIDU	0.	-0.017	0.	0.020	0.06	-6.	-7.	-1.	6.	13.	1.	0.07	-5.	0.	78.	-1.
28651	DEHTPM	RESIDU	0.	-0.280	0.	0.330	0.37	-327.	-112.	-24.	-133.	213.	1.	0.10	14.	54.	35.	-3.
28651	DESOA3	DISTIL	-0.025	0.	-0.025	0.037	0.04	24.	58.	2.	33.	68.	-8.	0.53	-4.	0.	84.	-3.
28651	DESOA3	DISTIL	-0.998	0.	-0.998	1.451	0.26	-2063.	-100.	2.	-1606.	654.	37.	-0.61	8.	133.	52.	-32.
28651	DESOA3	RESIDU	-0.025	0.	-0.025	0.037	0.04	-3.	-10.	-0.	9.	11.	2.	0.12	-4.	0.	79.	-1.
28651	DESOA3	RESIDU	-0.998	0.	-0.998	1.451	0.26	-4444.	-376.	-8.	-3977.	418.	78.	-2.34	8.	133.	47.	-22.
28651	GTSOAD	DISTIL	-0.018	0.	-0.018	0.037	0.06	-0.	-3.	0.	11.	17.	1.	0.27	-1.	0.	53.	-3.
28651	GTSOAD	DISTIL	-0.238	0.	-0.238	0.480	0.32	-65.	-39.	0.	87.	217.	19.	0.62	35.	42.	28.	-4.
28651	GTRA08	DISTIL	0.	-0.019	0.	0.018	0.05	30.	29.	9.	44.	58.	23.	0.43	-1.	0.	60.	-3.
28651	GTRA08	DISTIL	0.	-0.403	0.	0.369	0.35	-144.	-79.	3.	106.	351.	60.	0.53	47.	69.	31.	-7.
28651	GTRA12	DISTIL	0.	-0.019	0.	0.018	0.06	30.	29.	9.	44.	58.	23.	0.43	-1.	0.	59.	-3.
28651	GTRA12	DISTIL	0.	-0.389	0.	0.369	0.35	-136.	-75.	3.	107.	348.	59.	0.54	47.	68.	31.	-6.
28651	GTRA16	DISTIL	0.	-0.019	0.	0.018	0.06	30.	29.	9.	44.	58.	23.	0.43	-2.	0.	60.	-3.
28651	GTRA16	DISTIL	0.	-0.363	0.	0.347	0.35	-128.	-68.	3.	103.	329.	57.	0.54	42.	63.	31.	-6.
28651	GTR208	DISTIL	0.	-0.019	0.	0.018	0.06	30.	29.	9.	44.	58.	23.	0.43	-1.	0.	58.	-3.
28651	GTR208	DISTIL	0.	-0.305	0.	0.288	0.33	-105.	-52.	4.	88.	281.	51.	0.52	39.	52.	30.	-5.
28651	GTR212	DISTIL	0.	-0.019	0.	0.018	0.06	30.	29.	9.	44.	58.	23.	0.43	-1.	0.	58.	-3.
28651	GTR212	DISTIL	0.	-0.329	0.	0.307	0.33	-114.	-58.	4.	93.	298.	53.	0.53	40.	56.	30.	-6.
28651	GTR216	DISTIL	0.	-0.019	0.	0.018	0.06	30.	29.	9.	44.	58.	23.	0.44	-1.	0.	59.	-3.
28651	GTR216	DISTIL	0.	-0.330	0.	0.321	0.34	-115.	-59.	4.	97.	306.	54.	0.53	40.	58.	31.	-6.
28651	GTRW08	DISTIL	0.	-0.022	0.	0.015	0.05	29.	28.	9.	44.	57.	23.	0.43	-1.	0.	64.	-3.
28651	GTRW08	DISTIL	0.	-0.554	0.	0.370	0.31	-204.	-122.	0.	95.	392.	66.	0.50	61.	83.	33.	-10.
28651	GTRW12	DISTIL	0.	-0.021	0.	0.016	0.05	30.	28.	9.	44.	57.	23.	0.43	-1.	0.	62.	-3.
28651	GTRW12	DISTIL	0.	-0.543	0.	0.402	0.33	-200.	-119.	0.	106.	407.	68.	0.51	63.	85.	32.	-9.
28651	GTRW16	DISTIL	0.	-0.021	0.	0.016	0.05	30.	28.	9.	44.	57.	23.	0.43	-2.	0.	63.	-3.
28651	GTRW16	DISTIL	0.	-0.502	0.	0.379	0.32	-184.	-107.	1.	102.	383.	65.	0.51	57.	79.	32.	-9.
28651	GTR308	DISTIL	0.	-0.023	0.	0.014	0.04	29.	28.	9.	43.	57.	23.	0.43	-1.	0.	63.	-3.
28651	GTR308	DISTIL	0.	-0.439	0.	0.265	0.27	-159.	-90.	2.	70.	305.	55.	0.47	47.	63.	34.	-9.
28651	GTR312	DISTIL	0.	-0.021	0.	0.016	0.05	30.	28.	9.	44.	57.	23.	0.43	-1.	0.	61.	-3.
28651	GTR312	DISTIL	0.	-0.437	0.	0.338	0.32	-158.	-89.	2.	94.	344.	60.	0.51	52.	69.	31.	-8.
28651	GTR316	DISTIL	0.	-0.021	0.	0.016	0.05	30.	28.	9.	44.	57.	23.	0.43	-1.	0.	62.	-3.
28651	GTR316	DISTIL	0.	-0.433	0.	0.331	0.31	-156.	-88.	2.	92.	339.	59.	0.51	50.	68.	32.	-8.

ISE PE0 AES COGENERATION TECHNOLOGY ALTERNATIVES STUDY
FUEL UNITS = REPORT 6.1 FUEL AND EMISSIONS SAVINGS (SAVINGS ARE
EMISSION UNITS= TIME 1990 LEVEL ALL
COST =$*10**9 TYPE MATCH=POWR

PROCS	ECS	ECS FUEL	****DIRECT**** OIL+GAS	COAL	----TOTAL---- OIL+GAS	COAL	FESR	-DIRECT- NOX	SOX	PART	********TOTAL******** NOX	SOX	PART	EMSR	CAPITL SAVING	ELECTRIC POWER TOTAL EXPORT MWH	COST	LABS SAVED
			***** FUEL SAVINGS *****					---- EMISSIONS SAVINGS ----										
28651	FCPADS	DISTIL	0.	-0.025	0.	0.012	0.0	29.	27.	9.	43.	56.	23.	0.42	-3.	0.	86.	-3.
28651	FCPADS	DISTIL	0.	-1.152	0.	0.558	0.28	-187.	63.	11.	366.	1007.	124.	0.81	55.	157.	56.	-46.
28651	FCMCDS	DISTIL	0.	-0.021	0.	0.016	0.05	30.	28.	9.	44.	57.	23.	0.43	-3.	0.	82.	-3.
28651	FCMCDS	DISTIL	0.	-0.763	0.	0.590	0.36	-595.	62.	-2.	-158.	810.	90.	0.49	38.	123.	51.	-32.
28653	STM141	RESIDU	0.	-0.020	0.	0.033	0.10	-7.	-8.	-1.	10.	20.	1.	0.10	2.	0.	34.	0.
28653	STM141	RESIDU	0.	-0.044	0.	0.073	0.18	-15.	-18.	-2.	22.	45.	3.	0.19	8.	6.	20.	1.
28653	STM141	COAL-F	0.	-0.020	0.	0.033	0.10	-7.	-70.	-1.	12.	-32.	14.	-0.02	-14.	0.	115.	2.
28653	STM141	COAL-F	0.	-0.044	0.	0.073	0.18	-15.	-84.	-2.	24.	-12.	16.	0.08	-5.	6.	48.	4.
28653	STM141	COAL-A	0.	-0.020	0.	0.033	0.10	60.	-70.	-1.	79.	-32.	14.	0.20	-10.	0.	98.	3.
28653	STM141	COAL-A	0.	-0.044	0.	0.073	0.18	56.	-84.	-2.	96.	-12.	16.	0.28	2.	6.	32.	5.
28653	STM088	RESIDU	0.	-0.020	0.	0.033	0.10	-7.	-8.	-1.	10.	20.	1.	0.10	2.	0.	31.	1.
28653	STM088	RESIDU	0.	-0.029	0.	0.047	0.13	-10.	-11.	-1.	14.	29.	2.	0.14	6.	2.	19.	1.
28653	STM088	COAL-F	0.	-0.020	0.	0.033	0.10	-7.	-70.	-1.	12.	-32.	14.	-0.02	-13.	0.	110.	3.
28653	STM088	COAL-F	0.	-0.029	0.	0.047	0.13	-10.	-75.	-1.	17.	-25.	15.	0.02	-7.	2.	62.	4.
28653	STM088	COAL-A	0.	-0.020	0.	0.033	0.10	60.	-70.	-1.	79.	-32.	14.	0.20	-9.	0.	89.	3.
28653	STM088	COAL-A	0.	-0.029	0.	0.047	0.13	58.	-75.	-1.	85.	-25.	15.	0.23	-1.	2.	42.	5.
28653	PFBSTM	COAL-P	0.	-0.021	0.	0.032	0.09	65.	-70.	2.	84.	-33.	17.	0.22	-14.	0.	117.	2.
28653	PFBSTM	COAL-P	0.	-0.084	0.	0.129	0.26	73.	-108.	9.	144.	17.	33.	0.43	-2.	15.	40.	4.
28653	TISTMT	RESIDU	0.	-0.020	0.	0.032	0.09	-7.	-8.	-1.	10.	20.	1.	0.10	-13.	0.	102.	-1.
28653	TISTMT	RESIDU	0.	-0.114	0.	0.180	0.31	-40.	-46.	-6.	54.	112.	7.	0.33	-39.	23.	70.	-6.
28653	TISTMT	COAL	0.	-0.020	0.	0.032	0.09	-7.	-70.	-1.	12.	-33.	14.	-0.02	-29.	0.	165.	1.
28653	TISTMT	COAL	0.	-0.114	0.	0.180	0.31	-40.	-126.	-6.	57.	43.	23.	0.23	-59.	23.	84.	-3.
28653	TIHRSG	RESIDU	0.	-0.035	0.	0.017	0.05	-12.	-14.	-2.	4.	13.	-0.	0.06	-20.	0.	146.	-3.
28653	TIHRSG	RESIDU	0.	-0.122	0.	0.059	0.13	-43.	-49.	-6.	15.	46.	-0.	0.14	-47.	12.	112.	-8.
28653	TIHRSG	COAL	0.	-0.035	0.	0.017	0.05	-12.	-79.	-2.	7.	-42.	13.	-0.07	-38.	0.	234.	-1.
28653	TIHRSG	COAL	0.	-0.122	0.	0.059	0.13	-43.	-131.	-6.	18.	-24.	16.	0.02	-67.	12.	133.	-5.
28653	STIRL	DISTIL	0.	-0.031	0.	0.022	0.06	28.	26.	9.	47.	63.	24.	0.44	-0.	0.	53.	-3.
28653	STIRL	DISTIL	0.	-0.193	0.	0.137	0.22	-10.	-20.	6.	99.	169.	37.	0.54	8.	26.	42.	-6.
28653	STIRL	RESIDU	0.	-0.031	0.	0.022	0.06	-11.	-12.	-4.	6.	15.	-2.	0.07	-0.	0.	49.	-0.
28653	STIRL	RESIDU	0.	-0.193	0.	0.137	0.22	-68.	-77.	-22.	37.	98.	-11.	0.22	8.	26.	37.	-2.
28653	STIRL	COAL	0.	-0.031	0.	0.022	0.06	-11.	-76.	-2.	8.	-39.	13.	-0.06	-14.	0.	120.	2.
28653	STIRL	COAL	0.	-0.193	0.	0.137	0.22	-68.	-174.	-10.	41.	15.	21.	0.14	-15.	26.	49.	2.
28653	HEGT00	COAL-A	0.	-0.043	0.	0.009	0.03	52.	-84.	-2.	71.	-47.	13.	0.12	-20.	0.	152.	1.
28653	HEGT00	COAL-A	0.	-0.242	0.	0.050	0.09	5.	-203.	-12.	101.	-34.	17.	0.16	-26.	22.	64.	-1.
28653	FCMCCL	COAL	0.	-0.025	0.	0.028	0.08	11.	-40.	1.	30.	-2.	16.	0.14	-21.	0.	149.	1.
28653	FCMCCL	COAL	0.	-0.234	0.	0.263	0.33	101.	116.	13.	263.	396.	54.	1.00	-17.	42.	45.	1.
28653	FCSTCL	COAL	0.	-0.024	0.	0.029	0.08	8.	-45.	1.	27.	-7	16.	0.12	-21.	0.	147.	1.
28653	FCSTCL	COAL	0.	-0.307	0.	0.376	0.39	101.	115.	13.	323.	497.	65.	1.00	-11.	59.	39.	1.
28653	IGGTST	COAL	0.	-0.030	0.	0.022	0.07	-11.	-76.	1.	9.	-39.	16.	-0.05	-20.	0.	146.	1.
28653	IGGTST	COAL	0.	-0.266	0.	0.197	0.26	-93.	-217.	12.	58.	45.	51.	0.22	-12.	39.	42.	2.
28653	GTSOAR	RESIDU	-0.032	0.	-0.032	0.052	0.06	-12.	-12.	-0.	5.	17.	3.	0.13	-0.	0.	49.	-0.
28653	GTSOAR	RESIDU	-0.354	0.	-0.354	0.583	0.26	-129.	-133.	-3.	59.	186.	32.	0.40	35.	50.	29.	-2.
28653	GTAC08	RESIDU	0.	-0.024	0.	0.028	0.08	-24.	-10.	-3.	-7.	18.	-1.	0.03	0.	0.	41.	0.
28653	GTAC08	RESIDU	0.	-0.188	0.	0.215	0.31	-185.	-75.	-22.	-57.	139.	-6.	0.12	26.	33.	23.	1.
28653	GTAC12	RESIDU	0.	-0.025	0.	0.027	0.08	-23.	-10.	-3.	-6.	18.	-1.	0.04	0.	0.	41.	0.
28653	GTAC12	RESIDU	0.	-0.241	0.	0.265	0.33	-217.	-97.	-26.	-56.	173.	-6.	0.15	32.	43.	24.	1.

ISE PEG AES COGENERATION TECHNOLOGY ALTERNATIVES STUDY
FUEL UNITS = REPORT 6.1 FUEL AND EMISSIONS SAVINGS (SAVINGS ARE
EMISSION UNITS= TIME 1990 LEVEL ALL
COST =$*10**9 TYPE MATCH=POWR

PROCS	ECS	ECS FUEL	****DIRECT**** OIL+GAS	COAL	----TOTAL---- OIL+GAS	COAL	FESR	----DIRECT---- NOX	SOX	PART	********TOTAL******** NOX	SOX	PART	EMSR	CAPITL SAVING	ELECTRIC POWER TOTAL EXPORT MWH	COST	LAEC SAVED
			***** F U E L S A V I N G S *****					- - - E M I S S I O N S S A V I N G S - - -										
28653	GTAC16	RESIDU	0.	-0.026	0.	0.026	0.08	-22.	-11.	-3.	-6.	17.	-1.	0.04	0.	0.	43.	0.
28653	GTAC16	RESIDU	0.	-0.295	0.	0.295	0.34	-250.	-118.	-30.	-62.	196.	-7.	0.16	36.	50.	25.	0.
28653	GTWC16	RESIDU	0.	-0.028	0.	0.025	0.07	-23.	-11.	-3.	-6.	17.	-1.	0.03	-0.	0.	45.	0.
28653	GTWC16	RESIDU	0.	-0.317	0.	0.280	0.32	-263.	-127.	-32.	-73.	190.	-9.	0.13	38.	51.	26.	-0.
28653	CC1626	RESIDU	0.	-0.029	0.	0.024	0.07	-22.	-11.	-3.	-5.	16.	-1.	0.04	0.	0.	46.	-0.
28653	CC1626	RESIDU	0.	-0.472	0.	0.395	0.34	-355.	-189.	-44.	-80.	271.	-11.	0.17	55.	76.	26.	-1.
28653	CC1622	RESIDU	0.	-0.027	0.	0.025	0.07	-21.	-11.	-3.	-5.	17.	-1.	0.04	0.	0.	44.	0.
28653	CC1622	RESIDU	0.	-0.405	0.	0.372	0.35	-316.	-162.	-39.	-68.	251.	-9.	0.18	47.	68.	26.	-1.
28653	CC1222	RESIDU	0.	-0.027	0.	0.025	0.07	-21.	-11.	-3.	-5.	17.	-1.	0.04	1.	0.	43.	0.
28653	CC1222	RESIDU	0.	-0.399	0.	0.373	0.35	-312.	-160.	-38.	-66.	251.	-8.	0.18	49.	67.	25.	-0.
28653	CC0822	RESIDU	0.	-0.025	0.	0.027	0.08	-21.	-10.	-3.	-5.	18.	-0.	0.04	0.	0.	43.	0.
28653	CC0822	RESIDU	0.	-0.292	0.	0.315	0.35	-248.	-117.	-30.	-55.	206.	-6.	0.18	39.	52.	24.	1.
28653	DEHTPM	RESIDU	0.	-0.030	0.	0.022	0.06	-48.	-12.	-3.	-31.	16.	-1.	-0.06	-4.	0.	67.	-1.
28653	DEHTPM	RESIDU	0.	-0.281	0.	0.204	0.26	-440.	-112.	-29.	-287.	144.	-12.	-0.22	1.	41.	43.	-5.
28653	GTSOAD	DISTIL	-0.027	0.	-0.027	0.052	0.07	-11.	-4.	0.	6.	24.	2.	0.25	1.	0.	45.	-2.
28653	GTSOAD	DISTIL	-0.253	0.	-0.253	0.495	0.31	-101.	-41.	0.	56.	222.	19.	0.55	33.	42.	28.	-4.
28653	GTRA08	DISTIL	0.	-0.032	0.	0.021	0.06	19.	25.	9.	38.	63.	24.	0.41	-0.	0.	54.	-3.
28653	GTRA08	DISTIL	0.	-0.608	0.	0.393	0.30	-258.	-137.	-1.	67.	419.	70.	0.47	58.	89.	34.	-12.
28653	GTRA12	DISTIL	0.	-0.031	0.	0.022	0.06	20.	26.	9.	39.	63.	24.	0.41	-0.	0.	53.	-3.
28653	GTRA12	DISTIL	0.	-0.546	0.	0.389	0.32	-238.	-119.	0.	70.	400.	67.	0.48	55.	83.	33.	-10.
28653	GTRA16	DISTIL	0.	-0.030	0.	0.022	0.07	20.	26.	9.	39.	63.	24.	0.42	-1.	0.	53.	-3.
28653	GTRA16	DISTIL	0.	-0.483	0.	0.359	0.32	-208.	-102.	1.	66.	368.	63.	0.48	47.	74.	33.	-9.
28653	GTR208	DISTIL	0.	-0.030	0.	0.023	0.07	19.	26.	9.	38.	63.	24.	0.41	-0.	0.	51.	-3.
28653	GTR208	DISTIL	0.	-0.375	0.	0.289	0.30	-165.	-71.	3.	51.	301.	54.	0.47	41.	57.	32.	-7.
28653	GTR212	DISTIL	0.	-0.030	0.	0.023	0.07	19.	26.	9.	38.	63.	24.	0.41	-0.	0.	51.	-3.
28653	GTR212	DISTIL	0.	-0.403	0.	0.311	0.31	-176.	-79.	3.	56.	320.	57.	0.47	43.	62.	32.	-7.
28653	GTR216	DISTIL	0.	-0.029	0.	0.023	0.07	20.	26.	9.	39.	63.	24.	0.42	-0.	0.	52.	-3.
28653	GTR216	DISTIL	0.	-0.410	0.	0.327	0.32	-179.	-81.	3.	61.	330.	58.	0.48	42.	64.	32.	-7.
28653	GTRW08	DISTIL	0.	-0.035	0.	0.018	0.05	19.	25.	9.	38.	62.	24.	0.41	-0.	0.	57.	-3.
28653	GTRW08	DISTIL	0.	-0.772	0.	0.392	0.27	-323.	-183.	-4.	53.	462.	77.	0.44	74.	104.	35.	-15.
28653	GTRW12	DISTIL	0.	-0.033	0.	0.020	0.06	19.	25.	9.	38.	62.	24.	0.41	-0.	0.	55.	-3.
28653	GTRW12	DISTIL	0.	-0.709	0.	0.427	0.30	-298.	-165.	-3.	69.	465.	76.	0.47	72.	102.	34.	-13.
28653	GTRW16	DISTIL	0.	-0.032	0.	0.020	0.06	19.	25.	9.	38.	63.	24.	0.41	-1.	0.	55.	-3.
28653	GTRW16	DISTIL	0.	-0.619	0.	0.394	0.30	-262.	-140.	-1.	56.	423.	71.	0.47	62.	90.	34.	-11.
28653	GTR308	DISTIL	0.	-0.036	0.	0.016	0.05	17.	24.	9.	36.	61.	24.	0.40	-0.	0.	57.	-3.
28653	GTR308	DISTIL	0.	-0.594	0.	0.262	0.23	-252.	-133.	-1.	25.	344.	62.	0.41	54.	75.	37.	-13.
28653	GTR312	DISTIL	0.	-0.031	0.	0.022	0.06	19.	26.	9.	38.	63.	24.	0.41	-0.	0.	52.	-3.
28653	GTR312	DISTIL	0.	-0.491	0.	0.343	0.31	-211.	-104.	1.	60.	361.	62.	0.47	53.	73.	32.	-9.
28653	GTR316	DISTIL	0.	-0.031	0.	0.021	0.06	19.	26.	9.	38.	63.	24.	0.41	-0.	0.	53.	-3.
28653	GTR316	DISTIL	0.	-0.483	0.	0.335	0.30	-208.	-102.	1.	58.	355.	61.	0.47	51.	72.	33.	-9.
28653	FCPADS	DISTIL	0.	-0.035	0.	0.017	0.05	28.	37.	10.	47.	74.	24.	0.48	-1.	0.	70.	-3.
28653	FCPADS	DISTIL	0.	-1.158	0.	0.561	0.28	-181.	116.	14.	374.	1064.	128.	0.85	53.	156.	55.	-48.
28653	FCMCDS	DISTIL	0.	-0.030	0.	0.023	0.07	7.	37.	9.	26.	75.	24.	0.41	-1.	0.	66.	-3.
28653	FCMCDS	DISTIL	0.	-0.766	0.	0.593	0.36	-696.	114.	-1.	-256.	866.	91.	0.46	36.	123.	51.	-31.
28654	STM141	RESIDU	0.	-0.002	0.	0.004	0.02	-1.	-1.	-0.	1.	2.	0.	0.02	-1.	0.	130.	-0.
28654	STM141	RESIDU	0.	-0.015	0.	0.025	0.10	-5.	-6.	-1.	8.	16.	1.	0.11	2.	3.	29.	0.

ISE PEG AES COGENERATION TECHNOLOGY ALTERNATIVES STUDY
FUEL UNITS =
EMISSION UNITS=
COST =$*10**9
REPORT 6.1 FUEL AND EMISSIONS SAVINGS (SAVINGS ARE
TIME 1990 LEVEL ALL
TYPE MATCH=POWR

PROCS	ECS	ECS FUEL	*****FUEL SAVINGS***** DIRECT OIL+GAS	TOTAL OIL+GAS	TOTAL COAL	FESR	---EMISSIONS SAVINGS--- DIRECT NOX	DIRECT SOX	DIRECT PART	TOTAL NOX	TOTAL SOX	TOTAL PART	EMSR	CAPITL SAVING	ELECTRIC POWER--- TOTAL EXPORT MWH	COST	LAEC SAVED
28654	STM141	COAL-F	0.	-0.002	0.	0.004	0.02	-1.	-42.	-0.	3.	-33.	8.	-0.12	-13.	0.	690.	1.
28654	STM141	COAL-F	0.	-0.015	0.	0.025	0.10	-5.	-50.	-1.	9.	-22.	10.	-0.01	-6	3.	95.	2.
28654	STM141	COAL-A	0.	-0.002	0.	0.004	0.02	44.	-42.	-0.	47.	-33.	8.	0.12	-12.	0.	655.	1.
28654	STM141	COAL-A	0.	-0.015	0.	0.025	0.10	42.	-50.	-1.	56.	-22.	10.	0.21	-3.	3.	63.	2.
28654	PFBSTM	COAL-P	0.	-0.002	0.	0.003	0.02	44.	-42.	0.	48.	-33.	9.	0.13	-12.	0.	635.	1.
28654	PFBSTM	COAL-P	0.	-0.044	0.	0.062	0.20	53.	-67.	7.	88.	-3.	21.	0.38	-7.	9.	57.	1.
28654	TISTMT	RESIDU	0.	-0.002	0.	0.004	0.02	-1.	-1.	-0.	1.	2.	0.	0.02	-3.	0.	206.	-1.
28654	TISTMT	RESIDU	0.	-0.061	0.	0.095	0.26	-21.	-24.	-3.	28.	59.	4.	0.28	-34.	14.	93.	-5.
28654	TISTMT	COAL	0.	-0.002	0.	0.004	0.02	-1.	-42.	-0.	3.	-33.	8.	-0.12	-14.	0.	735.	1.
28654	TISTMT	COAL	0.	-0.061	0.	0.095	0.26	-21.	-77.	-3.	30.	14.	14.	0.18	-49.	14.	115.	-4.
28654	TIHRSG	RESIDU	0.	-0.004	0.	0.002	0.01	-1.	-2.	-0.	0.	2.	-0.	0.01	-4.	0.	246.	-1.
28654	TIHRSG	RESIDU	0.	-0.086	0.	0.042	0.13	-30.	-35.	-4.	10.	33.	-0.	0.14	-39.	11.	124.	-7.
28654	TIHRSG	COAL	0.	-0.004	0.	0.002	0.01	-1.	-43.	-0.	2.	-34.	8.	-0.13	-15.	0.	782.	1.
28654	TIHRSG	COAL	0.	-0.086	0.	0.042	0.13	-30.	-93.	-4.	12.	-17.	11.	0.02	-55.	11.	150.	-5.
28654	STIRL	DISTIL	0.	-0.003	0.	0.002	0.01	24.	23.	7.	27.	33.	15.	0.41	-2.	0.	151.	-2.
28654	STIRL	DISTIL	0.	-0.137	0.	0.097	0.22	-7.	-14.	4.	70.	120.	26.	0.54	5.	21.	43.	-5.
28654	STIRL	RESIDU	0.	-0.003	0.	0.002	0.01	-1.	-1.	-0.	1.	2.	-0.	0.01	-2.	0.	146.	-0.
28654	STIRL	RESIDU	0.	-0.137	0.	0.097	0.22	-48.	-55.	-16.	26.	69.	-8.	0.22	5.	21.	39.	-2.
28654	STIRL	COAL	0.	-0.003	0.	0.002	0.01	-1.	-43.	-0.	2.	-34.	8.	-0.12	-12.	0.	653.	1.
28654	STIRL	COAL	0.	-0.137	0.	0.097	0.22	-48.	-123.	-7.	29.	11.	15.	0.14	-13.	21.	52.	0.
28654	HEGTOO	COAL-A	0.	-0.005	0.	0.001	0.00	43.	-44.	-0.	46.	-34.	8.	0.11	-12.	0.	625.	1.
28654	HEGTOO	COAL-A	0.	-0.171	0.	0.036	0.09	3.	-143.	-9.	71.	-24.	12.	0.16	-23.	19.	72.	-2.
28654	FCMCCL	COAL	0.	-0.003	0.	0.003	0.01	1.	-39.	0.	5.	-29.	9.	-0.09	-14.	0.	731.	1.
28654	FCMCCL	COAL	0.	-0.165	0.	0.186	0.33	71.	82.	9.	186.	280.	38.	1.00	-17.	32.	49.	-1.
28654	FCSTCL	COAL	0.	-0.003	0.	0.003	0.02	1.	-39.	0.	4.	-30.	9.	-0.09	-14.	0.	736.	1.
28654	FCSTCL	COAL	0.	-0.189	0.	0.226	0.36	71.	82.	9.	207.	315.	42.	1.00	-16.	38.	46.	-1.
28654	IGGTST	COAL	0.	-0.004	0.	0.002	0.01	-1.	-43.	0.	2.	-34.	9.	-0.12	-14.	0.	718.	1.
28654	IGGTST	COAL	0.	-0.162	0.	0.107	0.23	-57.	-138.	8.	32.	15.	32.	0.19	-16.	25.	53.	-0.
28654	GTSOAR	RESIDU	-0.004	0.	-0.004	0.006	0.01	-1.	-1.	-0.	1.	2.	0.	0.03	-1.	0.	113.	-0.
28654	GTSOAR	RESIDU	-0.250	0.	-0.250	0.412	0.26	-91.	-94.	-2.	41.	131.	22.	0.40	24.	38.	31.	-2.
28654	GTAC08	RESIDU	0.	-0.003	0.	0.003	0.01	-3.	-1.	-0.	-1.	2.	-0.	0.01	-1.	0.	103.	-0.
28654	GTAC08	RESIDU	0.	-0.133	0.	0.152	0.31	-131.	-53.	-16.	-40.	99.	-4.	0.12	18.	26.	25.	0.
28654	GTAC12	RESIDU	0.	-0.003	0.	0.003	0.01	-3.	-1.	-0.	-1.	2.	-0.	0.01	-1.	0.	100.	-0.
28654	GTAC12	RESIDU	0.	-0.171	0.	0.187	0.33	-153.	-68.	-18.	-40.	122.	-4.	0.15	22.	33.	25.	-0.
28654	GTAC16	RESIDU	0.	-0.003	0.	0.003	0.01	-2.	-1.	-0.	-1.	2.	-0.	0.01	-1.	0.	101.	-0.
28654	GTAC16	RESIDU	0.	-0.209	0.	0.208	0.34	-176.	-83.	-21.	-44.	138.	-5.	0.16	24.	39.	27.	-1.
28654	GTWC16	RESIDU	0.	-0.003	0.	0.003	0.01	-3.	-1.	-0.	-1.	2.	-0.	0.01	-1.	0.	108.	-0.
28654	GTWC16	RESIDU	0.	-0.224	0.	0.198	0.32	-186.	-90.	-23.	-52.	134.	-7.	0.13	26.	39.	27.	-1.
28654	DEHTPM	RESIDU	0.	-0.003	0.	0.002	0.01	-5.	-1.	-0.	-3.	2.	-0.	-0.01	-2.	0.	160.	-0.
28654	DEHTPM	RESIDU	0.	-0.198	0.	0.144	0.26	-311.	-79.	-21.	-202.	102.	-8.	-0.22	0.	32.	44.	-4.
28654	GTSOAD	DISTIL	-0.003	0.	-0.003	0.006	0.01	-1.	-0.	0.	1.	3.	0.	0.06	-1.	0.	104.	-2.
28654	GTSOAD	DISTIL	-0.179	0.	-0.179	0.350	0.31	-72.	-29.	0.	40.	157.	14.	0.55	23.	32.	29.	-3.
28654	GTRA08	DISTIL	0.	-0.004	0.	0.002	0.01	23.	23.	7.	26.	33.	15.	0.40	-1.	0.	117.	-2.
28654	GTRA08	DISTIL	0.	-0.430	0.	0.278	0.30	-182.	-97.	-1.	47.	296.	49.	0.47	40.	66.	36.	-9.
28654	GTRA12	DISTIL	0.	-0.003	0.	0.002	0.01	23.	23.	7.	26.	33.	15.	0.40	-1.	0.	113.	-2.
28654	GTRA12	DISTIL	0.	-0.385	0.	0.275	0.32	-164.	-84.	0.	49.	283.	47.	0.48	38.	61.	35.	-8.

ISE PEG AES COGENERATION TECHNOLOGY ALTERNATIVES STUDY
FUEL UNITS = REPORT 6.1 FUEL AND EMISSIONS SAVINGS (SAVINGS ARE
EMISSION UNITS= TIME 1990 LEVEL ALL
COST =$*10**9 TYPE MATCH=POWR

PROCS	ECS	ECS FUEL	*****FUEL SAVINGS**** DIRECT OIL+GAS	DIRECT COAL	TOTAL OIL+GAS	TOTAL COAL	FESR	---EMISSIONS SAVINGS--- DIRECT NOX	DIRECT SOX	DIRECT PART	TOTAL NOX	TOTAL SOX	TOTAL PART	EMSR	CAPITL SAVING	ELECTRIC POWER TOTAL EXPORT MWH	COST	LAEC SAVED
28654	GTRA16	DISTIL	0.	-0.003	0.	0.003	0.01	23.	23.	7.	26.	33.	15.	0.40	-1.	0.	116.	-2.
28654	GTRA16	DISTIL	0.	-0.342	0.	0.254	0.32	-147.	-72.	1.	46.	260.	44.	0.48	32.	55.	35.	-7.
28654	GTR208	DISTIL	0.	-0.003	0.	0.003	0.01	23.	23.	7.	26.	33.	15.	0.40	-1.	0.	112.	-2.
28654	GTR208	DISTIL	0.	-0.265	0.	0.204	0.30	-116.	-50.	2.	36.	213.	38.	0.47	28.	43.	33.	-6.
28654	GTR212	DISTIL	0.	-0.003	0.	0.003	0.01	23.	23.	7.	26.	33.	15.	0.40	-1.	0.	113.	-2.
28654	GTR212	DISTIL	0.	-0.285	0.	0.220	0.31	-124.	-56.	2.	40.	226.	40.	0.47	29.	47.	34.	-6.
28654	GTR216	DISTIL	0.	-0.003	0.	0.003	0.01	23.	23.	7.	26.	33.	15.	0.40	-1.	0.	113.	-2.
28654	GTR216	DISTIL	0.	-0.290	0.	0.231	0.32	-126.	-57.	2.	43.	233.	41.	0.48	29.	48.	34.	-6.
28654	GTRW08	DISTIL	0.	-0.004	0.	0.002	0.01	23.	23.	7.	26.	32.	15.	0.40	-1.	0.	121.	-2.
28654	GTRW08	DISTIL	0.	-0.545	0.	0.277	0.27	-228.	-129.	-3.	38.	327.	54.	0.44	51.	77.	37.	-12.
28654	GTRW12	DISTIL	0.	-0.004	0.	0.002	0.01	23.	23.	7.	26.	33.	15.	0.40	-1.	0.	119.	-2.
28654	GTRW12	DISTIL	0.	-0.501	0.	0.301	0.30	-211.	-117.	-2.	49.	328.	54.	0.47	50.	75.	35.	-10.
28654	GTRW16	DISTIL	0.	-0.004	0.	0.002	0.01	23.	23.	7.	26.	33.	15.	0.40	-1.	0.	121.	-2.
28654	GTRW16	DISTIL	0.	-0.437	0.	0.279	0.30	-185.	-99.	-1.	47.	299.	50.	0.47	43.	67.	35.	-9.
28654	GTR308	DISTIL	0.	-0.004	0.	0.002	0.01	23.	23.	7.	26.	32.	15.	0.40	-1.	0.	118.	-2.
28654	GTR308	DISTIL	0.	-0.419	0.	0.185	0.23	-178.	-94.	-0.	18.	243.	44.	0.41	37.	56.	38.	-10.
28654	GTR312	DISTIL	0.	-0.003	0.	0.002	0.01	23.	23.	7.	26.	33.	15.	0.40	-1.	0.	116.	-2.
28654	GTR312	DISTIL	0.	-0.347	0.	0.242	0.31	-149.	-73.	1.	42.	255.	44.	0.47	36.	55.	34.	-7.
28654	GTR316	DISTIL	0.	-0.003	0.	0.002	0.01	23.	23.	7.	26.	33.	15.	0.40	-1.	0.	118.	-2.
28654	GTR316	DISTIL	0.	-0.341	0.	0.237	0.30	-147.	-72.	1.	41.	251.	43.	0.47	35.	54.	34.	-7.
28654	FCPADS	DISTIL	0.	-0.004	0.	0.002	0.01	24.	25.	7.	27.	34.	15.	0.41	-2.	0.	152.	-2.
28654	FCPADS	DISTIL	0.	-0.818	0.	0.396	0.28	-128.	82.	10.	264.	752.	90.	0.85	38.	113.	56.	-35.
28654	FCMCDS	DISTIL	0.	-0.003	0.	0.003	0.01	21.	25.	7.	25.	34.	15.	0.40	-2.	0.	147.	-2.
28654	FCMCDS	DISTIL	0.	-0.541	0.	0.419	0.36	-492.	81.	-1.	-181.	612.	64.	0.46	25.	90.	51.	-23.
28691	PFBSTM	COAL-P	0.	0.	0.	0.013	1.00	0.	0.	0.	4.	7.	1.	1.00	-10.	0.	272.	-2.
28691	PFBSTM	COAL-P	0.	0.	0.	0.051	1.00	0.	0.	0.	16.	28.	3.	1.00	-7.	4.	68.	-1.
28691	TIHRSG	COAL	0.	0.	0.	0.013	1.00	0.	0.	0.	4.	7.	1.	1.00	-17.	0.	410.	-3.
28691	TIHRSG	COAL	0.	0.	0.	0.083	1.00	0.	0.	0.	27.	45.	5.	1.00	-41.	7.	153.	-5.
28691	HEGT00	COAL-A	0.	0.	0.	0.013	1.00	0.	0.	0.	4.	7.	1.	1.00	-11.	0.	281.	-2.
28691	HEGT00	COAL-A	0.	0.	0.	0.128	1.00	0.	0.	0.	41.	70.	8.	1.00	-19.	11.	63.	-1.
28691	GTAC16	RESIDU	0.	-0.012	0.	0.000	0.01	-4.	-5.	-1.	-0.	2.	-0.	0.06	-1.	0.	79.	-0.
28691	GTRA08	DISTIL	0.	-0.011	0.	0.001	0.10	-3.	-3.	-0.	1.	4.	1.	0.49	-1.	0.	89.	-0.
28691	GTRA12	DISTIL	0.	-0.011	0.	0.001	0.11	-3.	-3.	-0.	1.	4.	1.	0.49	-1.	0.	87.	-0.
28691	GTRA16	DISTIL	0.	-0.012	0.	0.001	0.08	-3.	-3.	-0.	1.	4.	1.	0.48	-1.	0.	91.	-0.
28691	GTR212	DISTIL	0.	-0.012	0.	0.000	0.03	-3.	-3.	-0.	1.	3.	1.	0.45	-1.	0.	91.	-0.
28691	GTR216	DISTIL	0.	-0.012	0.	0.001	0.05	-3.	-3.	-0.	1.	4.	1.	0.46	-1.	0.	90.	-0.
28691	GTRW08	DISTIL	0.	-0.011	0.	0.001	0.09	-3.	-3.	-0.	1.	4.	1.	0.48	-1.	0.	91.	-0.
28691	GTRW12	DISTIL	0.	-0.011	0.	0.002	0.12	-3.	-3.	-0.	2.	4.	1.	0.50	-1.	0.	89.	-0.
28691	GTRW16	DISTIL	0.	-0.011	0.	0.001	0.10	-3.	-3.	-0.	1.	4.	1.	0.49	-1.	0.	92.	-0.
28691	GTR312	DISTIL	0.	-0.012	0.	0.001	0.06	-3.	-3.	-0.	1.	4.	1.	0.47	-1.	0.	91.	-0.
28691	GTR316	DISTIL	0.	-0.012	0.	0.001	0.06	-3.	-3.	-0.	1.	4.	1.	0.46	-1.	0.	93.	-0.
28691	FCPADS	DISTIL	0.	-0.011	0.	0.002	0.16	-2.	-3.	-0.	2.	4.	1.	0.52	-1.	0.	97.	-0.
28691	FCMCDS	DISTIL	0.	-0.010	0.	0.003	0.22	-2.	-3.	-0.	2.	4.	1.	0.56	-1.	0	94.	-0.
28692	PFBSTM	COAL-P	0.	-0.018	0.	0.022	0.12	37.	-39.	5.	51.	-13.	13.	0.30	-7.	0.	87.	1.
28692	TIHRSG	RESIDU	0.	-0.039	0.	0.009	0.05	-14.	-16.	-2.	1.	9.	-1.	0.06	-21.	0.	165.	-3.
28692	TIHRSG	RESIDU	0.	-0.079	0.	0.017	0.07	-28.	-31.	-4.	3.	19.	-1.	0.09	-32.	4.	137.	-6.

ISE PEG AES COGENERATION TECHNOLOGY ALTERNATIVES STUDY
FUEL UNITS = REPORT 6.1 FUEL AND EMISSIONS SAVINGS (SAVINGS ARE
EMISSION UNITS= TIME 1990 LEVEL ALL
COST =$*10**9 TYPE MATCH=POWR

PROCS	ECS	ECS FUEL	*****FUEL SAVINGS**** DIRECT	TOTAL	FESR	----EMISSIONS SAVINGS---- DIRECT			TOTAL			ENSR	CAPITL SAVING	ELECTRIC POWER TOTAL EXPORT MWH	COST	LAEC SAVED
			OIL	COAL OIL+GAS	COAL	NOX	SOX	PART	NOX	SOX	PART					
28692	TIHRSG	COAL	0.	-0.039 0.	0.009	0.05	-14.	-52.	-2.	3.	-21.	6.	-0.07	-34.	0.	230.	-3.
28692	TIHRSG	COAL	0.	-0.079 0.	0.017	0.07	-28.	-75.	-4.	4.	-18.	7.	-0.03	-46.	4.	164.	-4.
28692	HEGT00	COAL-A	0.	-0.041 0.	0.007	0.04	20.	-53.	-2.	37.	-22.	6.	0.12	-17.	0.	142.	-0.
28692	HEGT00	COAL-A	0.	-0.126 0.	0.020	0.07	1.	-104.	-6.	49.	-19.	8.	0.14	-20.	9.	78.	-2.
28692	FCMCCL	COAL	0.	-0.023 0.	0.025	0.13	10.	-11.	1.	26.	19.	10.	0.33	-16.	0.	131.	-0.
28692	FCMCCL	COAL	0.	-0.114 0.	0.127	0.33	49.	56.	6.	127.	192.	26.	1.00	-16.	18.	54.	-1.
28692	GTS0AR	RESIDU	-0.032	0. -0.032	0.048	0.09	-11.	-12.	-0.	5.	14.	3.	0.19	0.	0.	49.	-0.
28692	GTS0AR	RESIDU	-0.211	0. -0.211	0.318	0.23	-72.	-79.	-2.	30.	94.	17.	0.39	17.	25.	33.	-2.
28692	GTAC08	RESIDU	0.	-0.023 0.	0.025	0.14	-22.	-9.	-3.	-7.	17.	-1.	0.05	1.	0.	39.	0.
28692	GTAC08	RESIDU	0.	-0.092 0.	0.103	0.31	-90.	-37.	-11.	-28.	67.	-3.	0.12	12.	14.	25.	1.
28692	GTAC12	RESIDU	0.	-0.023 0.	0.025	0.14	-20.	-9.	-2.	-5.	17.	-1.	0.07	1.	0.	39.	0.
28692	GTAC12	RESIDU	0.	-0.113 0.	0.128	0.34	-103.	-45.	-12.	-26.	83.	-3.	0.16	14.	18.	26.	1.
28692	GTAC16	RESIDU	0.	-0.024 0.	0.024	0.13	-20.	-10.	-2.	-5.	16.	-1.	0.06	1.	0.	41.	0.
28692	GTAC16	RESIDU	0.	-0.146 0.	0.142	0.33	-123.	-58.	-15.	-31.	95.	-4.	0.15	16.	23.	28.	0.
28692	GTWC16	RESIDU	0.	-0.025 0.	0.023	0.12	-21.	-10.	-3.	-6.	15.	-1.	0.05	0.	0.	44.	0.
28692	GTWC16	RESIDU	0.	-0.152 0.	0.135	0.32	-126.	-61.	-15.	-35.	92.	-4.	0.13	16.	22.	28.	-0.
28692	GTS0AD	DISTIL	-0.024	0. -0.024	0.048	0.13	-10.	-4.	0.	5.	22.	2.	0.35	1.	0.	43.	-1.
28692	GTS0AD	DISTIL	-0.121	0. -0.121	0.238	0.31	-49.	-20.	0.	27.	107.	9.	0.55	15.	18.	30.	-2.
28692	GTRA08	DISTIL	0.	-0.033 0.	0.015	0.08	2.	7.	4.	18.	38.	12.	0.41	0.	0.	56.	-2.
28692	GTRA08	DISTIL	0.	-0.445 0.	0.207	0.26	-185.	-109.	-3.	26.	252.	41.	0.44	37.	57.	39.	-10.
28692	GTRA12	DISTIL	0.	-0.031 0.	0.017	0.09	2.	8.	4.	19.	38.	12.	0.42	0.	0.	54.	-2.
28692	GTRA12	DISTIL	0.	-0.362 0.	0.199	0.28	-152.	-85.	-2.	30.	226.	37.	0.46	31.	48.	38.	-8.
28692	GTRA16	DISTIL	0.	-0.030 0.	0.018	0.10	2.	8.	4.	19.	38.	13.	0.42	-0.	0.	55.	-2.
28692	GTRA16	DISTIL	0.	-0.300 0.	0.179	0.29	-127.	-68.	-1.	28.	198.	33.	0.46	25.	40.	38.	-6.
28692	GTR208	DISTIL	0.	-0.029 0.	0.019	0.10	2.	8.	4.	18.	39.	13.	0.42	0.	0.	51.	-1.
28692	GTR208	DISTIL	0.	-0.211 0.	0.139	0.28	-91.	-43.	1.	22.	153.	27.	0.45	20.	28.	36.	-4.
28692	GTR212	DISTIL	0.	-0.029 0.	0.019	0.10	2	8.	4.	19.	39.	13.	0.42	0.	0.	52.	-1.
28692	GTR212	DISTIL	0.	-0.228 0.	0.151	0.29	-98.	-48.	1.	25.	164.	29.	0.46	21.	31.	36.	-4.
28692	GTR216	DISTIL	0.	-0.029 0.	0.019	0.10	2.	8.	4.	19.	39.	13.	0.42	0.	0.	52.	-1.
28692	GTR216	DISTIL	0.	-0.235 0.	0.159	0.30	-101.	-50.	1.	27.	170.	30.	0.46	21.	32.	36.	-5.
28692	GTRW08	DISTIL	0.	-0.035 0.	0.014	0.07	1.	7.	4.	18.	37.	12.	0.40	-0.	0.	58.	-2.
28692	GTRW08	DISTIL	0.	-0.520 0.	0.203	0.24	-215.	-130.	-4.	19.	270.	44.	0.42	44.	63.	40.	-11.
28692	GTRW12	DISTIL	0.	-0.032 0.	0.016	0.09	2.	8.	4.	19.	38.	12.	0.41	-0.	0.	56.	-2.
28692	GTRW12	DISTIL	0.	-0.439 0.	0.219	0.27	-183.	-107.	-3.	30.	257.	42.	0.45	39.	57.	38.	-9.
28692	GTRW16	DISTIL	0.	-0.031 0.	0.017	0.09	2.	8.	4.	19.	38.	12.	0.42	-0.	0.	56.	-2.
28692	GTRW16	DISTIL	0.	-0.357 0.	0.197	0.28	-150.	-84.	-1.	29.	223.	37.	0.45	31.	47.	37.	-7.
28692	GTR308	DISTIL	0.	-0.035 0.	0.013	0.07	0.	7.	4.	17.	37.	12.	0.40	0.	0.	57.	-2.
28692	GTR30C	DISTIL	0.	-0.351 0.	0.124	0.20	-148.	-82.	-1.	6.	182.	32.	0.39	28.	40.	41.	-8.
28692	GTR312	DISTIL	0.	-0.029 0.	0.019	0.10	2.	8.	4.	19.	39.	13.	0.42	0.	0.	52.	-1.
28692	GTR312	DISTIL	0.	-0.254 0.	0.166	0.30	-108.	-55.	0.	28.	179.	31.	0.46	25.	35.	35.	-5.
28692	GTR316	DISTIL	0.	-0.029 0.	0.019	0.10	2.	8.	4.	19.	39.	13.	0.42	-0.	0.	53.	-1.
28692	GTR316	DISTIL	0.	-0.249 0.	0.162	0.30	-106.	-53.	0.	27.	175.	30.	0.46	23.	34.	36.	-5.
28692	FCPADS	DISTIL	0.	-0.032 0.	0.016	0.08	11.	19.	5.	27.	49.	13.	0.54	-0.	0.	56.	-2.
28692	FCPADS	DISTIL	0.	-0.558 0.	0.270	0.28	-87.	56.	7.	180.	513.	62.	0.85	26.	73.	56.	-23.
28692	FCMCDS	DISTIL	0.	-0.027 0.	0.021	0.11	-9.	19.	4.	7.	50.	13.	0.42	-0.	0.	52.	-2.
28692	FCMCDS	DISTIL	0.	-0.369 0.	0.286	0.36	-335.	55.	-1.	-123.	417.	44.	0.46	17.	57.	51.	-15.

ISE PEO AES COGENERATION TECHNOLOGY ALTERNATIVES STUDY
FUEL UNITS = REPORT S.1 FUEL AND EMISSIONS SAVINGS (SAVINGS ARE
EMISSION UNITS= TIME 1990 LEVEL ALL
COST =S*10**9 TYPE MATCH=POWR

PROCS	ECS	ECS FUEL	*****FUEL SAVINGS***** DIRECT OIL+GAS	COAL	TOTAL OIL+GAS	COAL	FESR NOX	EMISSIONS SAVINGS DIRECT SOX	PART	TOTAL NOX	SOX	PART	ENSR	CAPITL SAVING	ELECTRIC POWER TOTAL EXPORT MWH	COST	LAEC SAVED
28693	STM141	RESIDU	0.	-0.011	0.	0.019	0.06	-4.	-5.	-1.	6.	12.	1.	0.06	3.	0.	25.	0.
28693	STM141	RESIDU	0.	-0.059	0.	0.098	0.22	-21.	-24.	-3.	29.	60.	4.	0.23	13.	12.	18.	1.
28693	STM141	COAL-F	0.	-0.011	0.	0.019	0.06	-4.	-65.	-1.	8.	-40.	13.	-0.07	-12.	0.	165.	2.
28693	STM141	COAL-F	0.	-0.059	0.	0.098	0.22	-21.	-94.	-3.	32.	1.	18.	0.13	-1.	12.	37.	4.
28693	STM141	COAL-A	0.	-0.011	0.	0.019	0.06	61.	-65.	-1.	73.	-40.	13.	0.16	-11.	0.	149.	3.
28693	STM141	COAL-A	0.	-0.059	0.	0.098	0.22	55.	-94.	-3.	108.	1.	18.	0.31	7.	12.	24.	5.
28693	STM088	RESIDU	0.	-0.011	0.	0.019	0.06	-4.	-5.	-1.	6.	12.	1.	0.06	4.	0.	14.	1.
28693	STM088	RESIDU	0.	-0.041	0.	0.068	0.17	-14.	-16.	-2.	20.	42.	3.	0.18	10.	7.	16.	1.
28693	STM088	COAL-F	0.	-0.011	0.	0.019	0.06	-4.	-65.	-1.	8.	-40.	13.	-0.07	-13.	0.	167.	2.
28693	STM088	COAL-F	0.	-0.041	0.	0.068	0.17	-14.	-83.	-2.	23.	-15.	16.	0.07	-3.	7.	45.	4.
28693	STM088	COAL-A	0.	-0.011	0.	0.019	0.06	61.	-65.	-1.	73.	-40.	13.	0.16	-11.	0.	148.	3.
28693	STM088	COAL-A	0.	-0.041	0.	0.068	0.17	57.	-83.	-2.	95.	-15.	16.	0.27	4.	7.	28.	5.
28693	PFBSTM	COAL-P	0.	-0.012	0.	0.018	0.06	62.	-66.	-0.	74.	-40.	13.	0.17	-12.	0.	159.	2.
28693	PFBSTM	COAL-P	0.	-0.105	0.	0.162	0.29	73.	-121.	9.	161.	33.	36.	0.46	4.	22.	34.	4.
28693	TISTMT	RESIDU	0.	-0.012	0.	0.019	0.06	-4.	-5.	-1.	6.	12.	1.	0.06	-9.	0.	118.	-1.
28693	TISTMT	RESIDU	0.	-0.126	0.	0.199	0.32	-44.	-50.	-6.	60.	123.	8.	0.34	-37.	28.	67.	-6.
28693	TISTMT	COAL	0.	-0.012	0.	0.019	0.06	-4.	-66.	-1.	8.	-40.	13.	-0.07	-21.	0.	231.	1.
28693	TISTMT	COAL	0.	-0.140	0.	0.221	0.34	-49.	-142.	-7.	69.	64.	26.	0.27	-61.	31.	76.	-4.
28693	TIHRSG	RESIDU	0.	-0.017	0.	0.014	0.04	-6.	-7.	-1.	4.	9.	0.	0.05	-11.	0.	143.	-2.
28693	TIHRSG	RESIDU	0.	-0.093	0.	0.077	0.17	-32.	-37.	-5.	21.	53.	2.	0.18	-44.	13.	105.	-7.
28693	TIHRSG	COAL	0.	-0.017	0.	0.014	0.04	-6.	-68.	-1.	6.	-43.	13.	-0.09	-28.	0.	209.	0.
28693	TIHRSG	COAL	0.	-0.103	0.	0.085	0.18	-36.	-120.	-5.	27.	-9.	18.	0.08	-68.	15.	128.	-5.
28693	STIRL	DISTIL	0.	-0.017	0.	0.013	0.04	31.	30.	9.	43.	55.	23.	0.43	-2.	0.	70.	-3.
28693	STIRL	DISTIL	0.	-0.229	0.	0.182	0.26	-17.	-30.	6.	117.	204.	42.	0.57	15.	36.	39.	-7.
28693	STIRL	RESIDU	0.	-0.017	0.	0.013	0.04	-6.	-7.	-1.	4.	9.	0.	0.05	-2.	0.	66.	-0.
28693	STIRL	RESIDU	0.	-0.229	0.	0.182	0.26	-80.	-92.	-24.	50.	126.	-9.	0.26	15.	36.	35.	-2.
28693	STIRL	COAL	0.	-0.017	0.	0.013	0.04	-6.	-69.	-1.	6.	-43.	13.	-0.09	-13.	0.	165.	2.
28693	STIRL	COAL	0.	-0.254	0.	0.202	0.27	-89.	-211.	-13.	60.	47.	26.	0.20	-12.	40.	44.	1.
28693	HEGT85	COAL-A	0.	-0.026	0.	0.004	0.01	59.	-74.	-1.	71.	-49.	12.	0.12	-16.	0.	199.	2.
28693	HEGT85	COAL-A	0.	-2.013	0.	0.333	0.13	-316.	-1267.	-101.	441.	25.	50.	0.21	-33.	217.	46.	-24.
28693	HEGT60	COAL-A	0.	-0.025	0.	0.006	0.02	59.	-73.	-1.	71.	-48.	12.	0.13	-16.	0.	196.	2.
28693	HEGT60	COAL-A	0.	-0.626	0.	0.144	0.14	-64.	-434.	-31.	186.	-4.	26.	0.21	-35.	69.	53.	-7.
28693	HEGT00	COAL-A	0.	-0.023	0.	0.007	0.02	59.	-73.	-1.	71.	-47.	12.	0.13	-16.	0.	193.	2.
28693	HEGT00	COAL-A	0.	-0.241	0.	0.071	0.12	6.	-203.	-12.	108.	-24.	18.	0.19	-23.	26.	61.	-1.
28693	FCNCCL	COAL	0.	-0.291	0.	0.264	0.31	102.	117.	13.	283.	429.	58.	1.00	-13.	49.	44.	-0.
28693	FCSTCL	COAL	0.	-0.394	0.	0.414	0.38	102.	117.	13.	364.	567.	72.	1.00	-4.	73.	38.	1.
28693	IGGTST	COAL	0.	-0.347	0.	0.209	0.25	-122.	-267.	11.	60.	46.	56.	0.21	-7.	49.	40.	1.
28693	GTSOAR	RESIDU	-0.017	0.	-0.017	0.030	0.04	-2.	-6.	-0.	8.	10.	2.	0.11	-1.	0.	57.	-0.
28693	GTSOAR	RESIDU	-0.294	0.	-0.294	0.532	0.29	-110.	-111.	-2.	61.	180.	29.	0.42	35.	47.	27.	-1.
28693	GTAC08	RESIDU	0.	-0.014	0.	0.016	0.05	-6.	-6.	-1.	4.	10.	0.	0.05	-1.	0.	50.	-0.
28693	GTAC08	RESIDU	0.	-0.191	0.	0.217	0.31	-180.	-76.	-21.	-50.	141.	-5.	0.14	30.	35.	22.	1.
28693	GTAC12	RESIDU	0.	-0.014	0.	0.016	0.05	-5.	-6.	-1.	5.	10.	0.	0.05	-1.	0.	50.	-0.
28693	GTAC12	RESIDU	0.	-0.243	0.	0.268	0.33	-211.	-97.	-26.	-48.	175.	-5.	0.17	35.	45.	23.	1.
28693	GTAC16	RESIDU	0.	-0.015	0.	0.016	0.05	-5.	-6.	-1.	4.	10.	0.	0.05	-1.	0.	51.	-0.
28693	GTAC16	RESIDU	0.	-0.283	0.	0.298	0.34	-235.	-113.	-29.	-50.	196.	-5.	0.18	38.	52.	25.	0.
28693	GTWC16	RESIDU	0.	-0.016	0.	0.014	0.04	-6.	-6.	-1.	4.	10.	0.	0.05	-1.	0.	55.	-0.

ISE PEG AES COGENERATION TECHNOLOGY ALTERNATIVES STUDY
FUEL UNITS = REPORT 6.1 FUEL AND EMISSIONS SAVINGS (SAVINGS ARE
EMISSION UNITS= TIME 1990 LEVEL ALL
COST =$*10**9 TYPE MATCH=HEAT

PROCS	ECS	ECS FUEL	*****FUEL SAVINGS***** DIRECT OIL+GAS	DIRECT COAL	TOTAL OIL+GAS	TOTAL COAL	FESR	EMISSIONS SAVINGS DIRECT NOX	DIRECT SOX	DIRECT PART	TOTAL NOX	TOTAL SOX	TOTAL PART	EMSR	CAPITL SAVING	ELECTRIC POWER TOTAL EXPORT MWH	COST	LAEC SAVED
28693	GTWC16	RESIDU	0.	-0.322	0.	0.283	0.32	-258.	-129.	-32.	-66.	193.	-9.	0.14	42.	54.	25.	-0.
28693	CC1626	RESIDU	0.	-0.016	0.	0.014	0.04	-6	-7.	-1.	4.	10.	0.	0.05	-1.	0.	56.	-0.
28693	CC1626	RESIDU	0.	-0.497	0.	0.422	0.35	-363.	-199.	-45.	-71.	289.	-10.	0.19	63.	83.	26.	-1.
28693	CC1622	RESIDU	0.	-0.016	0.	0.015	0.05	-5.	-6.	-1.	4.	10.	0.	0.05	-1.	0.	53.	-0.
28693	CC1622	RESIDU	0.	-0.428	0.	0.398	0.36	-322.	-171.	-40.	-59.	268.	-8.	0.20	54.	75.	26.	-1.
28693	CC1222	RESIDU	0.	-0.016	0.	0.015	0.05	-5.	-6.	-1.	4.	10.	0.	0.05	-0.	0.	52.	-0.
28693	CC1222	RESIDU	0.	-0.421	0.	0.400	0.36	-318.	-169.	-39.	-57.	268.	-7.	0.20	56.	74.	25.	-1.
28693	CC0822	RESIDU	0.	-0.014	0.	0.016	0.05	-5.	-6.	-1.	5.	10.	0.	0.05	-1.	0.	53.	-0.
28693	CC0822	RESIDU	0.	-0.311	0.	0.339	0.36	-251.	-124.	-31.	-45.	222.	-5.	0.20	45.	58.	24.	1.
28693	STIG15	RESIDU	0.	-0.025	0.	0.005	0.02	-9.	-10.	-1.	1.	6.	-0.	0.02	-1.	0.	64.	-0.
28693	STIG15	RESIDU	0.	-18.850	0.	3.942	0.17	-11375.	-7540.	-560.	-4184.	4359.	35.	0.01	1507.	2135.	37.	-300.
28693	STIG10	RESIDU	0.	-0.023	0.	0.008	0.02	-8.	-9.	-1.	2.	7.	-0.	0.03	-0.	0.	60.	-0.
28693	STIG10	RESIDU	0.	-1.585	0.	0.522	0.22	-1016.	-634.	-42.	-350.	471.	19.	0.06	138.	195.	34.	-22.
28693	STIG1S	RESIDU	0.	-0.022	0.	0.009	0.03	-8.	-9.	-1.	2.	7.	-0.	0.03	-0.	0.	58.	-0.
28693	STIG1S	RESIDU	0.	-0.888	0.	0.349	0.23	-598.	-355.	-21.	-207.	295.	16.	0.07	84.	113.	33.	-11.
28693	DEADV3	RESIDU	0.	-0.020	0.	0.010	0.03	-7.	-8.	-1.	3.	8.	0.	0.04	-4.	0.	84.	-1.
28693	DEADV3	RESIDU	0.	-0.921	0.	0.486	0.29	-1031.	-368.	-77.	-585.	374.	-31.	-0.16	35.	129.	41.	-16.
28693	DEHTPM	RESIDU	0.	-0.015	0.	0.016	0.05	-5.	-6.	-1.	4.	10.	0.	0.05	-4.	0.	61.	-1.
28693	DEHTPM	RESIDU	0.	-0.288	0.	0.305	0.34	-430.	-115.	-29.	-241.	201.	-5.	-0.06	13.	53.	36.	-3.
28693	DES0A3	DISTIL	-0.021	0.	-0.021	0.030	0.03	24.	59.	2.	32.	66.	-8.	0.52	-3.	0.	83.	-3.
28693	DES0A3	DISTIL	-1.163	0.	-1.163	1.642	0.25	-2672.	-126.	2.	-2155.	728.	41.	-0.83	9.	151.	53.	-38.
28693	DES0A3	RESIDU	-0.021	0.	-0.021	0.030	0.03	-2.	-8.	-0.	7.	8.	2.	0.10	-3.	0.	78.	-1.
28693	DES0A3	RESIDU	-1.163	0.	-1.163	1.642	0.25	-5734.	-438.	-9.	-5206.	460.	88.	-2.79	9.	151.	47.	-26.
28693	GT30AD	DISTIL	-0.015	0.	-0.015	0.030	0.05	-1.	-2.	0.	9.	14.	1.	0.23	-0.	0.	54.	-3.
28693	GTS0AD	DISTIL	-0.248	0.	-0.248	0.493	0.31	-95.	-40.	0.	62.	222.	19.	0.57	37.	43.	27.	-4.
28693	GTRA08	DISTIL	0.	-0.016	0.	0.014	0.04	31.	30.	9.	43.	55.	23.	0.43	-1.	0.	62.	-3.
28693	GTRA08	DISTIL	0.	-0.447	0.	0.378	0.34	-188.	-91.	2.	80.	369.	63.	0.50	51.	75.	32.	-8.
28693	GTRA12	DISTIL	0.	-0.016	0.	0.014	0.04	31.	30.	9.	43.	56.	23.	0.43	-1.	0.	61.	-3.
28693	GTRA12	DISTIL	0.	-0.426	0.	0.378	0.34	-180.	-85.	2.	81.	363.	62.	0.50	51.	73.	31.	-7.
28693	GTRA16	DISTIL	0.	-0.016	0.	0.014	0.04	31.	30.	9.	43.	56.	23.	0.43	-1.	0.	62.	-3.
28693	GTRA16	DISTIL	0.	-0.394	0.	0.355	0.34	-167.	-76.	3.	76.	342.	59.	0.50	45.	67.	31.	-7.
28693	GTR208	DISTIL	0.	-0.016	0.	0.014	0.04	31.	30.	9.	43.	56.	23.	0.43	-1.	0.	59.	-3.
28693	GTR208	DISTIL	0.	-0.326	0.	0.293	0.32	-140.	-57.	4.	62.	290.	52.	0.49	41.	55.	30.	-6.
28693	GTR212	DISTIL	0.	-0.016	0.	0.014	0.04	31.	30.	9.	43.	56.	23.	0.43	-1.	0.	60.	-3.
28693	GTR212	DISTIL	0.	-0.351	0.	0.313	0.33	-149.	-64.	4.	66.	308.	55.	0.49	43.	59.	30.	-6.
28693	GTR216	DISTIL	0.	-0.016	0.	0.015	0.05	32.	30.	9.	43.	56.	23.	0.43	-1.	0.	60.	-3.
28693	GTR216	DISTIL	0.	-0.354	0.	0.327	0.34	-151.	-65.	4.	71.	316.	56.	0.50	43.	61.	31.	-6.
28693	GTRW08	DISTIL	0.	-0.019	0.	0.012	0.04	31.	29.	9.	43.	55.	23.	0.42	-1.	0.	56.	-3.
28693	GTRW08	DISTIL	0.	-0.604	0.	0.380	0.30	-251.	-135.	-1.	68.	412.	69.	0.47	66.	89.	33.	-11.
28693	GTRW12	DISTIL	0.	-0.018	0.	0.013	0.04	31.	30.	9.	43.	55.	23.	0.42	-1.	0.	64.	-3.
28693	GTRW12	DISTIL	0.	-0.585	0.	0.413	0.32	-243.	-130.	-0.	80.	425.	71.	0.49	67.	91.	32.	-10.
28693	GTRW16	DISTIL	0.	-0.018	0.	0.013	0.04	31.	30.	9.	43.	55.	23.	0.42	-1.	0.	65.	-3.
28693	GTRW16	DISTIL	0.	-0.535	0.	0.388	0.32	-223.	-116.	1.	76.	398.	67.	0.49	61.	84.	32.	-10.
28693	GTR308	DISTIL	0.	-0.019	0.	0.011	0.03	31.	29.	9.	43.	55.	23.	0.42	-1.	0.	65.	-3.
28693	GTR308	DISTIL	0.	-0.483	0.	0.269	0.26	-202.	-101.	1.	42.	319.	58.	0.44	51.	68.	35.	-10.
28693	GTR312	DISTIL	0.	-0.017	0.	0.013	0.04	31.	30.	9.	43.	55.	23.	0.43	-1.	0.	62.	-3.

TSE PEG AES COGENERATION TECHNOLOGY ALTERNATIVES STUDY
FUEL UNITS = REPORT 6.1 FUEL AND EMISSIONS SAVINGS (SAVINGS ARE
EMISSION UNITS= TIME 1990 LEVEL ALL
COST =$*10**9 TYPE MATCH=HEAT

PROCS	ECS	ECS FUEL	FUEL SAVINGS DIRECT OIL+GAS	DIRECT COAL	TOTAL OIL+GAS	TOTAL COAL	FESR	EMISSIONS SAVINGS DIRECT NOX	DIRECT SOX	DIRECT PART	TOTAL NOX	TOTAL SOX	TOTAL PART	EMSR	CAPITL SAVING	ELECTRIC POWER TOTAL EXPORT MWH	COST	LAEC SAVED
28693	GTR312	DISTIL	0.	-0.458	0.	0.344	0.31	-192.	-94.	2.	68.	353.	61.	0.48	55.	72.	31.	-8.
28693	GTR316	DISTIL	0.	-0.017	0.	0.013	0.04	31.	30.	9.	43.	55.	23.	0.42	-1.	0.	64.	-3.
28693	GTR316	DISTIL	0.	-0.453	0.	0.337	0.31	-190.	-93.	2.	66.	348.	60.	0.48	53.	71.	32.	-8.
28693	FCPADS	DISTIL	0.	-0.020	0.	0.010	0.03	30.	29.	9.	42.	54.	23.	0.42	-2.	0.	64.	-3.
28693	FCPADS	DISTIL	0.	-1.171	0.	0.567	0.28	-184.	108.	14.	377.	1067.	129.	0.84	57.	160.	55.	-49.
28693	FCMCDS	DISTIL	0.	-0.017	0.	0.013	0.04	31.	30.	9.	43.	55.	23.	0.43	-2.	0.	79.	-3.
28693	FCMCDS	DISTIL	0.	-0.775	0.	0.600	0.36	-687.	106.	-1.	-242.	867.	92.	0.47	39.	126.	51.	-32.
28694	STM141	RESIDU	0.	-0.010	0.	0.017	0.05	-4.	-4.	-1.	5.	11.	1.	0.05	2.	0.	27.	0.
28694	STM141	RESIDU	0.	-0.037	0.	0.060	0.15	-13.	-15.	-2.	18.	37.	2.	0.16	9.		16.	1.
28694	STM141	COAL-F	0.	-0.010	0.	0.017	0.05	-4.	-69.	-1.	8.	-45.	14.	-0.08	-15.		199.	2.
28694	STM141	COAL-F	0.	-0.037	0.	0.060	0.15	-13.	-85.	-2.	21.	-23.	17.	0.04	-5.		53.	4.
28694	STM141	COAL-A	0.	-0.010	0.	0.017	0.05	67.	-69.	-1.	78.	-45.	14.	0.15	-12.		173.	3.
28694	STM141	COAL-A	0.	-0.037	0.	0.060	0.15	63.	-85.	-2.	97.	-23.	17.	0.25	3.	6.	31.	5.
28694	PFBSTM	COAL-P	0.	-0.011	0.	0.016	0.05	67.	-70.	-0.	78.	-45.	14.	0.15	-13.	0.	187.	3.
28694	PFBSTM	COAL-P	0.	-0.088	0.	0.129	0.24	80.	-116.	10.	152.	12.	35.	0.42	-0.	18.	40.	4.
28694	TISTMT	RESIDU	0.	-0.011	0.	0.017	0.05	-4.	-4.	-1.	5.	11.	1.	0.05	-10.	0.	134.	-1.
28694	TISTMT	RESIDU	0.	-0.103	0.	0.162	0.28	-36.	-41.	-5.	48.	101.	6.	0.30	-41.	22.	78.	-7.
28694	TISTMT	COAL	0.	-0.011	0.	0.017	0.05	-4.	-70.	-1.	8.	-45.	14.	-0.08	-23.	0.	271.	1.
28694	TISTMT	COAL	0.	-0.122	0.	0.191	0.30	-43.	-136.	-6.	60.	44.	25.	0.23	-69.	27.	89.	-4.
28694	TIHRSG	RESIDU	0.	-0.018	0.	0.010	0.03	-6.	-7.	-1.	3.	8.	0.	0.03	-13.	0.	173.	-2.
28694	TIHRSG	RESIDU	0.	-0.124	0.	0.069	0.14	-43.	-50.	-6.	18.	52.	0.	0.15	-48.	16.	110.	-9.
28694	TIHRSG	COAL	0.	-0.018	0.	0.010	0.03	-6.	-74.	-1.	5.	-49.	13.	-0.10	-27.	0.	315.	1.
28694	TIHRSG	COAL	0.	-0.146	0.	0.082	0.15	-51.	-151.	-7.	25.	-17.	19.	0.05	-78.	19.	126.	-7.
28694	STIRL	DISTIL	0.	-0.016	0.	0.012	0.03	34.	33.	10.	46.	58.	24.	0.42	-3.	0.	78.	-3.
28694	STIRL	DISTIL	0.	-0.220	0.	0.161	0.23	-13.	-24.	7.	112.	193.	42.	0.55	12.	33.	42.	-7.
28694	STIRL	RESIDU	0.	-0.016	0.	0.012	0.03	-6.	-6.	-1.	3.	8.	0.	0.04	-3.	0.	74.	-0.
28694	STIRL	RESIDU	0.	-0.220	0.	0.161	0.23	-77.	-88.	-24.	44.	114.	-10.	0.23	12.	33.	37.	-3.
28694	STIRL	COAL	0.	-0.016	0.	0.012	0.03	-6.	-73.	-1.	6.	-48.	13.	-0.10	-14.	0.	193.	3.
28694	STIRL	COAL	0.	-0.259	0.	0.189	0.25	-91.	-218.	-13.	56.	36.	26.	0.17	-17.	39.	47.	1.
28694	HEGT60	COAL-A	0.	-0.027	0.	0.001	0.00	64.	-79.	-1.	76.	-55.	13.	0.11	-17.	0.	220.	2.
28694	HEGT60	COAL-A	0.	-1.314	0.	0.050	0.03	-185.	-852.	-66.	256.	-96.	28.	0.12	-37.	125.	52.	-18.
28694	HEGT00	COAL-A	0.	-0.023	0.	0.005	0.01	65.	-77.	-1.	76.	-52.	13.	0.12	-16.	0.	214.	2.
28694	HEGT00	COAL-A	0.	-0.303	0.	0.068	0.10	-2.	-245.	-15.	120.	-33.	19.	0.17	-26.	32.	60.	-2.
28694	FCMCCL	COAL	0.	-0.355	0.	0.282	0.30	110.	126.	14.	318.	484.	64.	1.00	-13.	57.	44.	-1.
28694	FCSTCL	COAL	0.	-0.415	0.	0.377	0.34	110.	126.	14.	368.	569.	74.	1.00	-7.	72.	40.	-0.
28694	IGGTST	COAL	0.	-0.364	0.	0.157	0.19	-127.	-282.	12.	43.	13.	56.	0.15	-10.	46.	44.	0.
28694	GTSOAR	RESIDU	-0.016	0.	-0.016	0.028	0.03	-2.	-6.	-0.	7.	9.	2.	0.10	-1.	0.	61.	-0.
28694	GTSOAR	RESIDU	-0.367	0.	-0.367	0.619	0.27	-128.	-138.	-3.	71.	200.	34.	0.42	39.	55.	29.	-2.
28694	GTAC08	RESIDU	0.	-0.013	0.	0.015	0.04	-5.	-5.	-1.	4.	10.	0.	0.05	-1.	0.	53.	-0.
28694	GTAC08	RESIDU	0.	-0.205	0.	0.235	0.31	-188.	-82.	-23.	-48.	152.	-5.	0.15	32.	39.	23.	1.
28694	GTAC12	RESIDU	0.	-0.013	0.	0.015	0.04	-5.	-5.	-1.	4.	9.	0.	0.05	-1.	0.	53.	-0.
28694	GTAC12	RESIDU	0.	-0.264	0.	0.289	0.33	-224.	-106.	-27.	-48.	189.	-5.	0.17	38.	49.	24.	1.
28694	GTAC16	RESIDU	0.	-0.014	0.	0.014	0.04	-5.	-6.	-1.	4.	9.	0.	0.05	-1.	0.	55.	-0.
28694	GTAC16	RESIDU	0.	-0.319	0.	0.322	0.34	-257.	-128.	-31.	-53.	213.	-6.	0.18	42.	58.	25.	-0.
28694	GTWC16	RESIDU	0.	-0.015	0.	0.013	0.04	-5.	-6.	-1.	4.	9.	0.	0.04	-1.	0.	58.	-0.
28694	GTWC16	RESIDU	0.	-0.347	0.	0.306	0.32	-273.	-139.	-33.	-66.	208.	-9.	0.15	45.	59.	25.	-1.

ISE PEG AES COGENERATION TECHNOLOGY ALTERNATIVES STUDY
FUEL UNITS = REPORT 6.1 FUEL AND EMISSIONS SAVINGS (SAVINGS ARE
EMISSION UNITS= TIME 1990 LEVEL ALL
COST =$*10**9 TYPE MATCH=POWR

PROCS	ECS	ECS FUEL	FUEL SAVINGS DIRECT OIL+GAS	FUEL SAVINGS DIRECT COAL	FUEL SAVINGS TOTAL OIL+GAS	FUEL SAVINGS TOTAL COAL	FESR	EMISSIONS SAVINGS DIRECT NOX	EMISSIONS SAVINGS DIRECT SOX	EMISSIONS SAVINGS DIRECT PART	EMISSIONS SAVINGS TOTAL NOX	EMISSIONS SAVINGS TOTAL SOX	EMISSIONS SAVINGS TOTAL PART	EMSR	CAPITL SAVING	ELECTRIC POWER TOTAL EXPORT MWH	COST	LAEC SAVED
28694	DEHTPM	RESIDU	0.	-0.015	0.	0.012	0.04	-5.	-6.	-1.	3.	9.	0.	0.04	-5.	0.	94.	-1.
28694	DEHTPM	RESIDU	0.	-0.310	0.	0.250	0.29	-450.	-124.	-31.	-272.	173.	-10.	-0.14	5.	50.	42.	-5.
28694	GTSOAD	DISTIL	-0.014	0.	-0.014	0.028	0.04	-0.	-2.	0.	8.	12.	1.	0.20	-1.	0.	57.	-3.
28694	GTSOAD	DISTIL	-0.275	0.	-0.275	0.540	0.31	-101.	-45.	0.	71.	242.	21.	0.57	40.	48.	28.	-5.
28694	GTRA08	DISTIL	0.	-0.016	0.	0.011	0.03	34.	33.	10.	45.	58.	24.	0.42	-1.	0.	67.	-3.
28694	GTRA08	DISTIL	0.	-0.608	0.	0.423	0.31	-250.	-134.	0.	84.	440.	74.	0.48	64.	94.	34.	-12.
28694	GTRA12	DISTIL	0.	-0.016	0.	0.012	0.03	34.	33.	10.	46.	58.	24.	0.42	-1.	0.	65.	-3.
28694	GTRA12	DISTIL	0.	-0.556	0.	0.420	0.32	-229.	-119.	1.	88.	424.	71.	0.49	60.	89.	33.	-10.
28694	GTRA16	DISTIL	0.	-0.016	0.	0.012	0.04	34.	33.	10.	46.	58.	24.	0.42	-1.	0.	66.	-3.
28694	GTRA16	DISTIL	0.	-0.499	0.	0.390	0.32	-206.	-103.	2.	82.	392.	67.	0.49	52.	81.	33.	-10.
28694	GTR208	DISTIL	0.	-0.015	0.	0.012	0.04	34.	33.	10.	46.	58.	24.	0.42	-1.	0.	63.	-3.
28694	GTR208	DISTIL	0.	-0.395	0.	0.316	0.31	-164.	-74.	4.	67.	324.	58.	0.48	45.	64.	32.	-8.
28694	GTR212	DISTIL	0.	-0.015	0.	0.012	0.04	34.	33.	10.	46.	58.	24.	0.42	-1.	0.	64.	-3.
28694	GTR212	DISTIL	0.	-0.424	0.	0.339	0.31	-176.	-82.	3.	72.	345.	61.	0.49	47.	69.	32.	-8.
28694	GTR216	DISTIL	0.	-0.015	0.	0.013	0.04	34.	33.	10.	46.	58.	24.	0.42	-1.	0.	64.	-3.
28694	GTR216	DISTIL	0.	-0.430	0.	0.356	0.32	-178.	-84.	3.	77.	356.	62.	0.49	47.	71.	33.	-8.
28694	GTRW08	DISTIL	0.	-0.018	0.	0.010	0.03	34.	32.	10.	45.	57.	24.	0.42	-1.	0.	70.	-3.
28694	GTRW08	DISTIL	0.	-0.786	0.	0.423	0.28	-321.	-184.	-3.	71.	487.	81.	0.46	80.	111.	35.	-16.
28694	GTRW12	DISTIL	0.	-0.017	0.	0.011	0.03	34.	33.	10.	45.	57.	24.	0.42	-1.	0.	68.	-3.
28694	GTRW12	DISTIL	0.	-0.733	0.	0.460	0.30	-300.	-169.	-2.	87.	493.	81.	0.48	79.	109.	34.	-14.
28694	GTRW16	DISTIL	0.	-0.017	0.	0.011	0.03	34.	33.	10.	45.	57.	24.	0.42	-2.	0.	69.	-3.
28694	GTRW16	DISTIL	0.	-0.649	0.	0.428	0.31	-266.	-145.	-1.	83.	453.	76.	0.48	69.	98.	34.	-12.
28694	GTR308	DISTIL	0.	-0.019	0.	0.009	0.03	34.	32.	10.	45.	57.	24.	0.42	-1.	0.	69.	-3.
28694	GTR308	DISTIL	0.	-0.615	0.	0.287	0.24	-252.	-136.	-0.	40.	367.	66.	0.42	61.	82.	36.	-14.
28694	GTR312	DISTIL	0.	-0.016	0.	0.012	0.03	34.	33.	10.	45.	58.	24.	0.42	-1.	0.	66.	-3.
28694	GTR312	DISTIL	0.	-0.526	0.	0.374	0.31	-217.	-111.	1.	75.	391.	67.	0.48	60.	82.	32.	-10.
28694	GTR316	DISTIL	0.	-0.016	0.	0.011	0.03	34.	33.	10.	45.	58.	24.	0.42	-1.	0.	67.	-3.
28694	GTR316	DISTIL	0.	-0.518	0.	0.366	0.30	-214.	-108.	2.	73.	384.	67.	0.48	57.	80.	33.	-10.
28694	FCPADS	DISTIL	0.	-0.019	0.	0.009	0.03	34.	32.	10.	45.	57.	24.	0.42	-3.	0.	89.	-3.
28694	FCPADS	DISTIL	0.	-1.264	0.	0.612	0.28	-199.	111.	15.	407.	1146.	139.	0.84	61.	173.	55.	-53.
28694	FCMCDS	DISTIL	0.	-0.016	0.	0.012	0.04	34.	33.	10.	46.	58.	24.	0.42	-3.	0.	85.	-3.
28694	FCMCDS	DISTIL	0.	-0.837	0.	0.647	0.36	-730.	109.	-2.	-251.	930.	99.	0.47	42.	137.	51.	-35.
28731	PFBSTM	COAL-P	0.	-0.014	0.	0.017	0.03	141.	-135.	3.	156.	-99.	30.	0.15	-15.	0.	200.	7.
28731	PFBSTM	COAL-P	0.	-0.090	0.	0.110	0.13	167.	-160.	21.	236.	-52.	58.	0.33	-2.	16.	47.	8.
28731	TIHRSG	RESIDU	0.	-0.026	0.	0.006	0.01	-9.	-10.	-1.	1.	6.	-0.	0.01	-10.	0.	137.	-2.
28731	TIHRSG	RESIDU	0.	-0.357	0.	0.078	0.07	-125.	-143.	-18.	12.	85.	-6.	0.09	-78.	38.	96.	-18.
28731	TIHRSG	COAL	0.	-0.026	0.	0.006	0.01	-9.	-142.	-1.	6.	-106.	26.	-0.13	-37.	0.	368.	4.
28731	TIHRSG	COAL	0.	-0.357	0.	0.078	0.07	-125.	-340.	-18.	20.	-84.	33.	-0.03	-115.	38.	108.	-10.
28731	HEGTOO	COAL-A	0.	-0.027	0.	0.004	0.01	130.	-143.	-1.	145.	-107.	26.	0.11	-25.	0.	271.	6.
28731	HEGTOO	COAL-A	0.	-0.572	0.	0.091	0.07	3.	-470.	-29.	221.	-88.	36.	0.14	-27.	59.	53.	-1.
28731	FCMCCL	COAL	0.	-0.015	0.	0.016	0.02	6.	-116.	1.	21.	-80.	28.	-0.05	-31.	0.	311.	5.
28731	FCMCCL	COAL	0.	-0.519	0.	0.575	0.33	221.	252.	29.	578.	870.	119.	1.00	-5.	100.	37.	5.
28731	GTSOAR	RESIDU	-0.021	0.	-0.021	0.031	0.02	-7.	-8.	-0.	3.	9.	2.	0.04	-2.	0.	66.	-0.
28731	GTSOAR	RESIDU	-0.957	0.	-0.957	1.441	0.23	-328.	-360.	-8.	136.	428.	78.	0.39	87.	132.	30.	-9.
28731	GTAC08	RESIDU	0.	-0.015	0.	0.017	0.03	-14.	-6.	-2.	-4.	11.	-0.	0.01	-1.	0.	55.	-0.
28731	GTAC08	RESIDU	0.	-0.417	0.	0.469	0.31	-408.	-167.	-49.	-126.	305.	-13.	0.12	63.	80.	21.	2.

ISE PEG AES COGENERATION TECHNOLOGY ALTERNATIVES STUDY
FUEL UNITS = REPORT 6.1 FUEL AND EMISSIONS SAVINGS (SAVINGS ARE
EMISSION UNITS= TIME 1990 LEVEL ALL
COST =$*10**9 TYPE MATCH=POWR

PROCS	ECS	ECS FUEL	***FUEL SAVINGS*** DIRECT OIL+GAS	DIRECT COAL	TOTAL OIL+GAS	TOTAL COAL	FESR	EMISSIONS SAVINGS DIRECT NOX	DIRECT SOX	DIRECT PART	TOTAL NOX	TOTAL SOX	TOTAL PART	EMSR	CAPITL SAVING	ELECTRIC POWER TOTAL EXPORT MWH	ELECTRIC POWER COST	ELECTRIC POWER LAEC SAVED
28731	GTAC12	RESIDU	0.	-0.015	0.	0.017	0.03	-13.	-6.	-2.	-3.	11.	-0.	0.01	-1.	0.	55.	-0.
28731	GTAC12	RESIDU	0.	-0.512	0.	0.579	0.34	-465.	-205.	-56.	-118.	376.	-12.	0.16	74.	99.	22.	2.
28731	GTAC16	RESIDU	0.	-0.016	0.	0.015	0.02	-13.	-6.	-2.	-3.	10.	-0.	0.01	-1.	0.	57.	-0.
28731	GTAC16	RESIDU	0.	-0.663	0.	0.645	0.33	-556.	-265.	-67.	-140.	430.	-17.	0.15	81.	120.	25.	-0.
28731	GTWC16	RESIDU	0.	-0.017	0.	0.015	0.02	-14.	-7.	-2.	-4.	10.	-0.	0.01	-2.	0.	60.	-0.
28731	GTWC16	RESIDU	0.	-0.692	0.	0.612	0.32	-573.	-277.	-70.	-159.	415.	-20.	0.13	90.	119.	24.	-0.
28731	GTSOAD	DISTIL	-0.016	0.	-0.016	0.031	0.02	-6.	-3.	0.	4.	14.	1.	0.10	-1.	0.	59.	-5.
28731	GTSOAD	DISTIL	-0.549	0.	-0.549	1.078	0.31	-221.	-89.	0.	122.	484.	42.	0.55	75.	98.	27.	-9.
28731	GTRA08	DISTIL	0.	-0.021	0.	0.010	0.01	66.	69.	21.	81.	105.	48.	0.40	-2.	0.	72.	-6.
28731	GTRA08	DISTIL	0.	-2.023	0.	0.939	0.26	-841.	-494.	-14.	117.	1145.	187.	0.44	172.	275.	37.	-43.
28731	GTRA12	DISTIL	0.	-0.020	0.	0.011	0.02	66.	69.	21.	81.	105.	48.	0.40	-2.	0.	70.	-6.
28731	GTRA12	DISTIL	0.	-1.644	0.	0.903	0.28	-689.	-388.	-7.	135.	1024.	169.	0.46	145.	236.	36.	-34.
28731	GTRA16	DISTIL	0.	-0.020	0.	0.012	0.02	66.	69.	21.	81.	106.	48.	0.40	-2.	0.	70.	-6.
28731	GTRA16	DISTIL	0.	-1.362	0.	0.813	0.29	-576.	-308.	-2.	128.	900.	152.	0.46	123.	201.	35.	-28.
28731	GTR208	DISTIL	0.	-0.019	0.	0.012	0.02	66.	70.	21.	81.	106.	48.	0.40	-2.	0.	67.	-6.
28731	GTR208	DISTIL	0.	-0.958	0.	0.632	0.28	-415.	-195.	5.	102.	694.	124.	0.45	97.	146.	33.	-19.
28731	GTR212	DISTIL	0.	-0.019	0.	0.012	0.02	66.	70.	21.	81.	106.	48.	0.40	-2.	0.	68.	-6.
28731	GTR212	DISTIL	0.	-1.033	0.	0.685	0.29	-445.	-216.	3.	112.	742.	130.	0.46	103.	158.	33.	-20.
28731	GTR216	DISTIL	0.	-0.019	0.	0.013	0.02	67.	70.	21.	81.	106.	48.	0.40	-2.	0.	68.	-6.
28731	GTR216	DISTIL	0.	-1.065	0.	0.723	0.30	-458.	-225.	3.	122.	772.	134.	0.46	103.	165.	33.	-21.
28731	GTRW03	DISTIL	0.	-0.023	0.	0.009	0.01	66.	69.	20.	81.	105.	48.	0.40	-2.	0.	74.	-6.
28731	GTRW08	DISTIL	0.	-2.357	0.	0.922	0.24	-975.	-589.	-19.	85.	1224.	200.	0.42	202.	305.	38.	-51.
28731	GTRW12	DISTIL	0.	-0.021	0.	0.010	0.02	66.	69.	21.	81.	105.	48.	0.40	-2.	0.	72.	-6.
28731	GTRW12	DISTIL	0.	-1.992	0.	0.993	0.27	-828.	-486.	-13.	137.	1166.	189.	0.45	191.	277.	35.	-39.
28731	GTRW16	DISTIL	0.	-0.020	0.	0.011	0.02	66.	69.	21.	81.	105.	48.	0.40	-2.	0.	72.	-6.
28731	GTRW16	DISTIL	0.	-1.619	0.	0.893	0.28	-679.	-381.	-7.	134.	1012.	167.	0.45	155.	233.	34.	-32.
28731	GTR308	DISTIL	0.	-0.023	0.	0.008	0.01	65.	68.	20.	80.	105.	48.	0.40	-2.	0.	72.	-6.
28731	GTR308	DISTIL	0.	-1.594	0.	0.563	0.20	-669.	-374.	-6.	29.	825.	147.	0.39	139.	199.	38.	-36.
28731	GTR312	DISTIL	0.	-0.019	0.	0.012	0.02	67.	70.	21.	81.	106.	48.	0.40	-2.	0.	68.	-6.
28731	GTR312	DISTIL	0.	-1.151	0.	0.755	0.30	-492.	-249.	1.	126.	812.	139.	0.46	121.	176.	32.	-21.
28731	GTR316	DISTIL	0.	-0.019	0.	0.012	0.02	67.	70.	21.	81.	106.	48.	0.40	-2.	0.	69.	-6.
28731	GTR316	DISTIL	0.	-1.127	0.	0.737	0.30	-483.	-242.	2.	122.	796.	137.	0.46	116.	172.	33.	-21.
28731	FCPADS	DISTIL	0.	-0.021	0.	0.010	0.02	72.	76.	21.	87.	113.	48.	0.42	-4.	0.	97.	-6.
28731	FCPADS	DISTIL	0.	-2.530	0.	1.225	0.28	-395.	253.	32.	818.	2326.	279.	0.85	120.	349.	54.	-103.
28731	FCNCDS	DISTIL	0.	-0.018	0.	0.014	0.02	59.	77.	21.	74.	113.	48.	0.40	-4.	0.	92.	-6.
28731	FCNCDS	DISTIL	0.	-1.675	0.	1.296	0.36	-1521.	250.	-3.	-560.	1893.	198.	0.46	83.	276.	50.	-67.
28741	STM141	RESIDU	0.	-0.013	0.	0.021	0.18	-4.	-5.	-1.	6.	13.	1.	0.19	0.	0.	42.	0.
28741	STM141	RESIDU	0.	-0.022	0.	0.036	0.25	-8.	-9.	-1.	11.	22.	1.	0.27	3.	2.	27.	0.
28741	STM141	COAL-F	0.	-0.013	0.	0.021	0.18	-4.	-25.	-1.	7.	-4.	5.	0.08	-7.	0.	99.	0.
28741	STM141	COAL-F	0.	-0.022	0.	0.036	0.25	-8.	-30.	-1.	12.	4.	6.	0.17	-3.	2.	52.	1.
28741	STM141	COAL-A	0.	-0.013	0.	0.021	0.18	17.	-25.	-1.	28.	-4.	5.	0.27	-5.	0.	87.	1.
28741	STM141	COAL-A	0.	-0.022	0.	0.036	0.25	15.	-30.	-1.	35.	4.	6.	0.35	-1.	2.	40.	1.
28741	STM088	RESIDU	0.	-0.013	0.	0.021	0.18	-4.	-5.	-1.	6.	13.	1.	0.19	1.	0.	39.	0.
28741	STM088	RESIDU	0.	-0.017	0.	0.028	0.21	-6.	-7.	-1.	8.	17.	1.	0.23	2.	1.	27.	0.
28741	STM088	COAL-F	0.	-0.013	0.	0.021	0.18	-4.	-25.	-1.	7.	-4.	5.	0.08	-6.	0.	93.	0.
28741	STM088	COAL-F	0.	-0.017	0.	0.028	0.21	-6.	-27.	-1.	9.	-0.	5.	0.12	-4.	1.	59.	1.

ISE PEG AES COGENERATION TECHNOLOGY ALTERNATIVES STUDY
FUEL UNITS = REPORT 6.1 FUEL AND EMISSIONS SAVINGS (SAVINGS ARE
EMISSION UNITS= TIME 1990 LEVEL ALL
COST =$*1G**9 TYPE MATCH=POWR

PROCS	ECS	ECS	*****FUEL SAVINGS***** DIRECT		TOTAL		FESR	----EMISSIONS SAVINGS---- DIRECT			TOTAL			EMSR	CAPITL SAVING	ELECTRIC POWER TOTAL EXPORT	COST	LAEC SAVED
		FUEL	OIL+GAS	COAL	OIL+GAS	COAL		NOX	SOX	PART	NOX	SOX	PART			MWH		
28741	STM088	COAL-A	0.	-0.013	0.	0.021	0.18	17.	-25.	-1.	28.	-4.	5.	0.27	-5.	0.	80.	1.
28741	STM008	COAL-A	0.	-0.017	0.	0.028	0.21	16.	-27.	-1.	31.	-0.	5.	0.31	-1.	1.	46.	1.
28741	PFBSTM	COAL-P	0.	-0.013	0.	0.021	0.17	19.	-25.	1.	31.	-4.	6.	0.31	-8.	0.	108.	0.
28741	PFBSTM	COAL-P	0.	-0.034	0.	0.054	0.31	21.	-37.	2.	50.	13.	11.	0.47	-3.	5.	48.	1.
28741	TISTMT	RESIDU	0.	-0.013	0.	0.021	0.17	-5.	-5.	-1.	6.	13.	1.	0.19	-9.	0.	114.	-1.
28741	TISTMT	RESIDU	0.	-0.044	0.	0.071	0.35	-16.	-18.	-2.	21.	44.	3.	0.37	-19.	8.	80.	-3.
28741	TISTMT	COAL	0.	-0.013	0.	0.021	0.17	-5.	-25.	-1.	7.	-4.	5.	0.07	-17.	0.	178.	-1.
28741	TISTMT	COAL	0.	-0.044	0.	0.071	0.35	-16.	-44.	-2.	22.	22.	8.	0.29	-28.	8.	97.	-2.
28741	TIHRSG	RESIDU	0.	-0.018	0.	0.016	0.13	-6.	-7.	-1.	4.	11.	0.	0.15	-16.	0.	166.	-2.
28741	TIHRSG	RESIDU	0.	-0.026	0.	0.023	0.17	-9.	-11.	-1.	6.	16.	1.	0.19	-20.	1.	144.	-3.
28741	TIHRSG	COAL	0.	-0.018	0.	0.016	0.13	-6.	-28.	-1.	5.	-7.	5.	0.03	-25.	0.	233.	-2.
28741	TIHRSG	COAL	0.	-0.026	0.	0.023	0.17	-9.	-33.	-1.	7.	-3.	5.	0.07	-28.	1.	183.	-2.
28741	STIRL	DISTIL	0.	-0.019	0.	0.015	0.13	6.	5.	3.	17.	26.	8.	0.48	0.	0.	52.	-1.
28741	STIRL	DISTIL	0.	-0.068	0.	0.054	0.26	-5.	-9.	2.	35.	60.	12.	0.57	4.	8.	39.	-2.
28741	STIRL	RESIDU	0.	-0.019	0.	0.015	0.13	-7.	-7.	-2.	4.	10.	-1.	0.13	0.	0.	47.	-0.
28741	STIRL	RESIDU	0.	-0.068	0.	0.054	0.26	-24.	-27.	-7.	15.	38.	-3.	0.26	4.	8.	35.	-0.
28741	STIRL	COAL	0.	-0.019	0.	0.015	0.13	-7.	-28.	-1.	5.	-7.	4.	0.02	-7.	0.	101.	0.
28741	STIRL	COAL	0.	-0.068	0.	0.054	0.26	-24.	-58.	-3.	16.	12.	7.	0.19	-3.	8.	45.	1.
28741	HEGT85	COAL-A	0.	-0.028	0.	0.006	0.05	13.	-34.	-1.	25.	-13.	4.	0.15	-15.	0.	162.	-1.
28741	HEGT65	COAL-A	0.	-0.442	0.	0.087	0.14	-66.	-282.	-22.	105.	10.	13.	0.23	-40.	46.	61.	-9.
28741	HEGT60	COAL-A	0.	-0.027	0.	0.007	0.06	13.	-33.	-1.	24.	-12.	4.	0.15	-14.	0.	157.	-1.
28741	HEGT60	COAL-A	0.	-0.155	0.	0.040	0.14	-14.	-110.	-8.	50.	-1.	7.	0.22	-24.	15.	73.	-3.
28741	HEGT00	COAL-A	0.	-0.026	0.	0.008	0.07	12.	-33.	-1.	24.	-12.	4.	0.15	-13.	0.	146.	-1.
28741	HEGT00	COAL-A	0.	-0.062	0.	0.019	0.11	3.	-55.	-3.	30.	-7.	5.	0.18	-14.	4.	86.	-1.
28741	FCMCCL	COAL	0.	-0.016	0.	0.018	0.15	7.	-5.	1.	18.	16.	6.	0.38	-12.	0.	139.	-0.
28741	FCHCCL	COAL	0.	-0.060	0.	0.078	0.34	30.	34.	4.	77.	116.	16.	1.00	-13.	11.	59.	-1.
28741	FCSTCL	COAL	0.	-0.015	0.	0.019	0.16	4.	-10.	1.	16.	11.	6.	0.31	-12.	0.	136.	-0.
28741	FCSTCL	COAL	0.	-0.106	0.	0.133	0.41	30.	34.	4.	108.	168.	21.	1.00	-12.	19.	49.	-1.
28741	IGGTST	COAL	0.	-0.019	0.	0.015	0.13	-6.	-28.	1.	5.	-7.	6.	0.04	-12.	0.	140.	-0.
28741	IGGTST	COAL	0.	-0.093	0.	0.076	0.30	-33.	-73.	3.	23.	22.	17.	0.26	-11.	13.	54.	-1.
28741	GTSOAR	RESIDU	-0.018	0.	-0.018	0.034	0.13	-7.	-7.	-0.	4.	11.	2.	0.23	-0.	0.	48.	-0.
28741	GTSOAR	RESIDU	-0.084	0.	-0.084	0.154	0.29	-33.	-32.	-1.	16.	52.	8.	0.42	8.	11.	31.	-0.
28741	GTAC08	RESIDU	0.	-0.016	0.	0.018	0.15	-16.	-6.	-2.	-5.	12.	-0.	0.06	1.	0.	41.	0.
28741	GTAC08	RESIDU	0.	-0.056	0.	0.063	0.31	-55.	-22.	-7.	-17.	41.	-2.	0.12	7.	8.	26.	0.
28741	GTAC12	RESIDU	0.	-0.016	0.	0.018	0.15	-14.	-6.	-2.	-4.	12.	-0.	0.07	0.	0.	41.	0.
28741	GTAC12	RESIDU	0.	-0.071	0.	0.078	0.33	-64.	-28.	-8.	-16.	51.	-2.	0.15	8.	11.	27.	0.
28741	GTAC16	RESIDU	0.	-0.016	0.	0.017	0.15	-14.	-7.	-2.	-3.	11.	-0.	0.07	0.	0.	42.	0.
28741	GTAC16	RESIDU	0.	-0.082	0.	0.087	0.34	-71.	-33.	-9.	-17.	57.	-2.	0.17	9.	13.	28.	0.
28741	GTWC16	RESIDU	0.	-0.018	0.	0.016	0.13	-15.	-7.	-2.	-4.	11.	-1.	0.06	0.	0.	46.	0.
28741	GTWC16	RESIDU	0.	-0.094	0.	0.083	0.32	-78.	-38.	-9.	-22.	56.	-3.	0.13	9.	13.	29.	-0.
28741	CC1626	RESIDU	0.	-0.018	0.	0.016	0.13	-13.	-7.	-2.	-2.	11.	-0.	0.07	-0.	0.	49.	-0.
28741	CC1626	RESIDU	0.	-0.160	0.	0.140	0.36	-117.	-64.	-14.	-22.	95.	-3.	0.20	16.	25.	29.	-1.
28741	CC1622	RESIDU	0.	-0.017	0.	0.016	0.14	-13.	-7.	-2.	-2.	11.	-0.	0.08	0.	0.	46.	-0.
28741	CC1622	RESIDU	0.	-0.138	0.	0.132	0.37	-104.	-55.	-13.	-18.	88.	-2.	0.21	15.	22.	29.	-0.
28741	CC1222	RESIDU	0.	-0.017	0.	0.017	0.14	-13.	-7.	-2.	-2.	11.	-0.	0.08	0.	0.	45.	0.
28741	CC1222	RESIDU	0.	-0.136	0.	0.133	0.37	-103.	-54.	-13.	-18.	89.	-2.	0.21	15.	22.	28.	-0.

ISE PEO AES COGENERATION TECHNOLOGY ALTERNATIVES STUDY
FUEL UNITS = REPORT 6.1 FUEL AND EMISSIONS SAVINGS (SAVINGS ARE
EMISSION UNITS= TIME 1990 LEVEL ALL
COST =$*10**9 TYPE MATCH=POWR

PROCS	ECS	ECS FUEL	*****FUEL SAVINGS**** ****DIRECT***** OIL+GAS	DIRECT COAL	-----TOTAL---- OIL+GAS	TOTAL COAL	FESR	---EMISSIONS SAVINGS--- -------DIRECT------- NOX	DIRECT SOX	DIRECT PART	********TOTAL******** NOX	TOTAL SOX	TOTAL PART	EMSR	CAPITL SAVING	--ELECTRIC POWER--- TOTAL EXPORT MWH	COST	LAEC SAVED
28741	CC0822	RESIDU	0.	-0.016	0.	0.018	0.15	-13.	-6.	-2.	-2.	12.	-0.	0.09	0.	0.	45.	0.
28741	CC0822	RESIDU	0.	-0.102	0.	0.114	0.38	-82.	-41.	-10.	-14.	74.	-1.	0.22	12.	17.	27.	0.
28741	STIG15	RESIDU	0.	-0.028	0.	0.006	0.05	-17.	-11.	-1.	-6.	6.	0.	0.00	-0.	0.	58.	-0.
28741	STIG15	RESIDU	0.	-5.505	0.	1.151	0.17	-3325.	-2202.	-163.	-1224.	1273.	10.	0.01	429.	621.	37.	-89.
28741	STIG10	RESIDU	0.	-0.025	0.	0.008	0.07	-16.	-10.	-1.	-6.	8.	0.	0.02	0.	0.	53.	-0.
28741	STIG10	RESIDU	0.	-0.463	0.	0.153	0.22	-299.	-185.	-12	-105.	138.	6.	0.06	38.	55.	35.	-6.
28741	STIG1S	RESIDU	0.	-0.024	0.	0.010	0.08	-17.	-10.	-1	-6.	8.	0.	0.02	0.	0.	52.	-0.
28741	STIG1S	RESIDU	0.	-0.259	0.	0.102	0.23	-177.	-104.	-6.	-63.	86.	5.	0.07	22.	31.	35.	-3.
28741	DEADV3	RESIDU	0.	-0.022	0.	0.012	0.10	-25.	-9.	-2.	-14.	9.	-1.	-0.06	-2.	0.	66.	-0.
28741	DEADV3	RESIDU	0.	-0.260	0.	0.141	0.29	-298.	-104.	-22.	-171.	107.	-9.	-0.16	9.	34.	41.	-4.
28741	DEHTPM	RESIDU	0.	-0.016	0.	0.018	0.15	-25.	-6.	-2.	-14.	12.	-0.	-0.03	-2.	0.	61.	-0.
28741	DEHTPM	RESIDU	0.	-0.084	0.	0.092	0.35	-131.	-34.	-9.	-75.	60.	-2.	-0.07	4.	13.	36.	-1.
28741	DESOA3	DISTIL	-0.024	0.	-0.024	0.034	0.08	-49.	14.	1.	-39.	30.	-2.	-0.15	-1.	0.	66.	-1.
28741	DESOA3	DISTIL	-0.326	0.	-0.326	0.465	0.25	-773.	-35.	1.	-627.	207.	12.	-0.86	2.	40.	53.	-10.
28741	DESOA3	RESIDU	-0.024	0.	-0.024	0.034	0.08	-120.	-9.	-0.	-109.	10.	2.	-1.33	-1.	0.	61.	-0.
28741	DESOA3	RESIDU	-0.326	0.	-0.326	0.465	0.25	-1659.	-123.	-3.	-1509.	131.	25.	-2.86	2.	40.	48.	-7.
28741	GTSOAD	DISTIL	-0.017	0.	-0.017	0.034	0.14	-7.	-3.	0.	4.	15.	1.	0.38	1.	0.	44.	-1.
28741	GTSOAD	DISTIL	-0.072	0.	-0.072	0.144	0.31	-29.	-12.	0.	16.	65.	6.	0.56	9.	10.	30.	-1.
28741	GTRA08	DISTIL	0.	-0.018	0.	0.016	0.13	1.	5.	3.	12.	26.	8.	0.44	-0.	0.	53.	-1.
28741	GTRA08	DISTIL	0.	-0.127	0.	0.110	0.34	-55.	-26.	1.	22.	107.	16.	0.50	12.	19.	34.	-2.
28741	GTRA12	DISTIL	0.	-0.018	0.	0.016	0.13	1.	5.	3.	13.	26.	8.	0.44	-0.	0.	52.	-1.
28741	GTRA12	DISTIL	0.	-0.122	0.	0.110	0.35	-53.	-24.	1.	22.	105.	18.	0.50	11.	19.	34.	-2.
28741	GTRA16	DISTIL	0.	-0.018	0.	0.016	0.14	1.	5.	3.	12.	26.	8.	0.44	-0.	0.	53.	-1.
28741	GTRA16	DISTIL	0.	-0.113	0.	0.103	0.34	-49.	-22.	1.	21.	99.	17.	0.50	10.	17.	35.	-2.
28741	GTR208	DISTIL	0.	-0.018	0.	0.016	0.13	0.	5.	3.	12.	26.	8.	0.43	0.	0.	50.	-1.
28741	GTR208	DISTIL	0.	-0.094	0.	0.086	0.32	-42.	-16.	1.	17.	84.	15.	0.48	9.	14.	33.	-2.
28741	GTR212	DISTIL	0.	-0.018	0.	0.016	0.13	1.	5.	3.	12.	26.	8.	0.43	-0.	0.	51.	-1.
28741	GTR212	DISTIL	0.	-0.101	0.	0.091	0.33	-45.	-18.	1.	18.	89.	16.	0.49	10.	15.	34.	-2.
28741	GTR216	DISTIL	0.	-0.017	0.	0.016	0.14	1.	5.	3.	12.	26.	8.	0.44	-0.	0.	51.	-1.
28741	GTR216	DISTIL	0.	-0.102	0.	0.095	0.34	-45.	-18.	1.	19.	92.	16.	0.49	9.	15.	34.	-2.
28741	GTRW08	DISTIL	0.	-0.021	0.	0.013	0.11	0.	4.	2.	12.	25.	8.	0.42	-0.	0.	56.	-1.
28741	GTRW08	DISTIL	0.	-0.173	0.	0.111	0.30	-73.	-39.	-0.	18.	119.	20.	0.47	15.	23.	37.	-3.
28741	GTRW12	DISTIL	0.	-0.020	0	0.014	0.12	1.	5.	2.	12.	26.	8.	0.43	-0.	0.	55.	-1.
28741	GTRW12	DISTIL	0.	-0.168	0.	0.120	0.32	-71.	-37.	-0.	22.	123.	20.	0.48	15.	24.	36.	-3.
28741	GTRW16	DISTIL	0.	-0.019	0.	0.014	0.12	1.	5.	2.	12.	26.	8.	0.43	-0.	0.	56.	-1.
28741	GTRW16	DISTIL	0.	-0.154	0.	0.113	0.32	-66.	-33.	0.	21.	116.	19.	0.48	13.	22.	36.	-3.
28741	GTR308	DISTIL	0.	-0.021	0.	0.012	0.10	-1.	4.	2.	11.	25.	8.	0.41	0.	0.	55.	-1.
28741	GTR308	DISTIL	0.	-0.138	0.	0.079	0.26	-59.	-29.	0.	11.	92.	17.	0.43	11.	17.	38.	-3.
28741	GTR312	DISTIL	0.	-0.019	0.	0.015	0.12	0.	5.	2.	12.	26.	8.	0.43	-0.	0.	53.	-1.
28741	GTR312	DISTIL	0.	-0.133	0.	0.101	0.32	-57.	-27.	1.	18.	103.	18.	0.48	12.	19.	35.	-2.
28741	GTR316	DISTIL	0.	-0.019	0.	0.014	0.12	0.	5.	2.	12.	26.	8.	0.43	-0.	0.	54.	-1.
28741	GTR316	DISTIL	0.	-0.131	0.	0.098	0.31	-57.	-27.	1.	18.	101.	18.	0.47	12.	18.	36.	-2.
28741	FCPADS	DISTIL	0.	-0.023	0.	0.011	0.09	6.	12.	3.	18.	33.	8.	0.55	-0.	0.	67.	-1.
28741	FCPADS	DISTIL	0.	-0.342	0.	0.166	0.28	-53.	34.	4.	111.	314.	38.	0.85	15.	44.	56.	-14.
28741	FCMCDS	DISTIL	0.	-0.019	0.	0.015	0.12	-8.	12.	3.	4.	33.	8.	0.42	-0.	0.	62.	-1.
28741	FCMCDS	DISTIL	0.	-0.226	0.	0.175	0.36	-206.	34.	-0.	-76.	256.	27.	0.46	11.	35.	51.	-9.

ISE PEG AES COGENERATION TECHNOLOGY ALTERNATIVES STUDY
FUEL UNITS = REPORT 6.1 FUEL AND EMISSIONS SAVINGS (SAVINGS ARE
EMISSION UNITS= TIME 1990 LEVEL ALL
COST =$*10**9 TYPE MATCH=HEAT

PROCS	ECS	ECS FUEL	****DIRECT**** OIL+GAS	COAL	----TOTAL---- OIL+GAS	COAL	FESR NOX	----DIRECT---- SOX	PART	********TOTAL******** NOX	SOX	PART	EMSR	SAVING	CAPITL--ELECTRIC POWER--- TOTAL EXPORT MWH	COST	LAEC SAVED
28951	STM141	RESIDU	0.	-0.005	0.	0.008	0.15	-2.	-2.	-0.	2.	5.	0.	0.15	0.	0.	54.	0.
28951	STM141	COAL-F	0.	-0.005	0.	0.008	0.15	-2.	-6.	-0.	2.	1.	1.	0.09	-2.	0.	60.	0.
28951	STM141	COAL-A	0.	-0.005	0.	0.008	0.15	3.	-6.	-0.	7.	1.	1.	0.20	-1.	0.	55.	0.
28951	STM088	RESIDU	0.	-0.004	0.	0.006	0.11	-1.	-1.	-0.	2.	4.	0.	0.12	0.	0.	55.	0.
28951	STM088	COAL-F	0.	-0.004	0.	0.006	0.11	-1.	-6.	-0.	2.	-0.	1.	0.06	-2.	0.	60.	0.
28951	STM088	COAL-A	0.	-0.004	0.	0.006	0.11	4.	-6.	-0.	7.	-0.	1.	0.16	-1.	0.	56.	0.
28951	PFBSTM	COAL-P	0.	-0.007	0.	0.012	0.22	5.	-8.	1.	11.	3.	2.	0.33	-3.	0.	64.	0.
28951	TISTMT	RESIDU	0.	-0.010	0.	0.015	0.29	-3.	-4.	-0.	5.	9.	1.	0.31	-7.	0.	100.	-1.
28951	TISTMT	COAL	0.	-0.010	0.	0.015	0.29	-3.	-9.	-0.	5.	5.	2.	0.23	-10.	0.	118.	-1.
28951	TIHRSG	RESIDU	0.	-0.005	0.	0.005	0.10	-2.	-2.	-0.	2.	3.	0.	0.11	-7.	0.	104.	-1.
28951	TIHRSG	COAL	0.	-0.005	0.	0.005	0.10	-2.	-7.	-0.	2.	-1.	1.	0.05	-9.	0.	114.	-1.
28951	STIRL	DISTIL	0.	-0.016	0.	0.013	0.25	-1.	-2.	0.	8.	14.	3.	0.52	1.	0.	41.	-0.
28951	STIRL	RESIDU	0.	-0.016	0.	0.013	0.25	-5.	-6.	-2.	4.	9.	-1.	0.25	1.	0.	36.	0.
28951	STIRL	COAL	0.	-0.016	0.	0.013	0.25	-5.	-13.	-1.	4.	3.	2.	0.18	-1.	0.	48.	0.
28951	HEGT85	COAL-A	0.	-0.025	0.	0.009	0.16	-1.	-19.	-1.	10.	0.	1.	0.25	-11.	0.	128.	-1.
28951	HEGT85	COAL-A	0.	-0.055	0.	0.019	0.20	-7.	-37.	-3.	17.	4.	2.	0.28	-15.	4.	91.	-2.
28951	HEGT60	COAL-A	0.	-0.025	0.	0.009	0.17	-1.	-18.	-1.	10.	1.	2.	0.25	-9.	0.	115.	-1.
28951	HEGT60	COAL-A	0.	-0.027	0.	0.010	0.18	-2.	-20.	-1.	10.	1.	2.	0.25	-9.	0.	105.	-1.
28951	HEGT00	COAL-A	0.	-0.013	0.	0.005	0.09	1.	-11.	-1.	7.	-1.	1.	0.13	-6.	0.	85.	-0.
28951	FCMCCL	COAL	0.	-0.015	0.	0.017	0.32	6.	7.	1.	17.	25.	3.	0.96	-6.	0.	83.	-0.
28951	FCSTCL	COAL	0.	-0.015	0.	0.019	0.36	4.	4.	1.	15.	23.	3.	0.86	-7.	0.	94.	-1.
28951	FCSTCL	COAL	0.	-0.023	0.	0.029	0.41	6.	7.	1.	23.	36.	5.	1.00	-7.	2.	71.	-0.
28951	IGGTST	COAL	0.	-0.019	0.	0.015	0.29	-7.	-15.	1.	4.	4.	3.	0.25	-7.	0.	95.	-1.
28951	IGGTST	COAL	0.	-0.020	0.	0.016	0.30	-7.	-16.	1.	5.	5.	4.	0.26	-6.	0.	86.	-0.
28951	GTSOAR	RESIDU	-0.017	0.	-0.017	0.032	0.29	-7.	-6.	-0.	4.	11.	2.	0.41	1.	0.	37.	0.
28951	GTAC08	RESIDU	0.	-0.012	0.	0.014	0.26	-12.	-5.	-1.	-4.	9.	-0.	0.10	1.	0.	36.	0.
28951	GTAC12	RESIDU	0.	-0.015	0.	0.017	0.33	-14.	-6.	-2.	-4.	11.	-0.	0.15	1.	0.	31.	0.
28951	GTAC16	RESIDU	0.	-0.016	0.	0.018	0.34	-14.	-6.	-2.	-3.	12.	-0.	0.17	1.	0.	34.	0.
28951	GTAC16	RESIDU	0.	-0.017	0.	0.019	0.35	-15.	-7.	-2.	-3.	12.	-0.	0.17	1.	0.	31.	0.
28951	GTWC16	RESIDU	0.	-0.016	0.	0.016	0.30	-15.	-7.	-2.	-4.	11.	-1.	0.13	1.	0.	39.	0.
28951	GTWC16	RESIDU	0.	-0.021	0.	0.018	0.31	-17.	-8.	-2.	-5.	12.	-1.	0.13	1.	0.	35.	0.
28951	CC1626	RESIDU	0.	-0.018	0.	0.016	0.30	-13.	-7.	-2.	-3.	11.	-0.	0.16	0.	0.	45.	-0.
28951	CC1626	RESIDU	0.	-0.034	0.	0.030	0.36	-25.	-14.	-3.	-5.	20.	-1.	0.20	2.	3.	06.	-0.
28951	CC1622	RESIDU	0.	-0.017	0.	0.016	0.32	-13.	-7.	-2.	-2.	11.	-0.	0.18	1.	0.	43.	0.
28951	CC1622	RESIDU	0.	-0.030	0.	0.028	0.37	-22.	-12.	-3.	-4.	19.	-1.	0.21	2.	2.	34.	0
28951	CC1222	RESIDU	0.	-0.017	0.	0.017	0.32	-13.	-7.	-2.	-2.	11.	-0.	0.18	1.	0.	41.	0.
28951	CC1222	RESIDU	0.	-0.029	0.	0.029	0.37	-22.	-12.	-3.	-4.	19.	-0.	0.21	2.	2.	33.	0.
28951	CC0822	RESIDU	0.	-0.016	0.	0.018	0.34	-13.	-6.	-2.	-2.	12.	-0.	0.19	1.	0.	40.	0.
28951	CC0822	RESIDU	0.	-0.022	0.	0.025	0.38	-18.	-9.	-2.	-3.	16.	-0.	0.21	2.	1.	33.	0.
28951	STIG15	RESIDU	0.	-0.028	0.	0.006	0.11	-17.	-11.	-1.	-6.	6.	0.	0.01	0.	0.	57.	-0.
28951	STIG15	RESIDU	0.	-1.197	0.	0.250	0.17	-723.	-479.	-36.	-266.	277.	2.	0.01	88.	133.	39.	-20.
28951	STIG10	RESIDU	0.	-0.025	0.	0.008	0.16	-16.	-10.	-1.	-6.	8.	0.	0.04	0.	0.	51.	-0.
28951	STIG10	RESIDU	0.	-0.101	0.	0.033	0.22	-65.	-40.	-3.	-23.	30.	1.	0.06	6.	9.	40.	-1.
28951	STIG1S	RESIDU	0.	-0.024	0.	0.010	0.18	-17.	-10.	-1.	-6.	8.	0.	0.06	1.	0.	49.	-0.
28951	STIG1S	RESIDU	0.	-0.056	0.	0.022	0.23	-38.	-23.	-1.	-14.	19.	1.	0.07	3.	4.	39.	-0.
28951	DEADV3	RESIDU	0.	-0.021	0.	0.013	0.24	-25.	-8.	-2.	-14.	9.	-1.	-0.11	-1.	0.	58.	-0.

ISE PEG AES COGENERATION TECHNOLOGY ALTERNATIVES STUDY
FUEL UNITS = REPORT 6.1 FUEL AND EMISSIONS SAVINGS (SAVINGS ARE
EMISSION UNITS= TIME 1990 LEVEL ALL
COST =$*10**9 TYPE MATCH=HEAT

PROCS	ECS	ECS FUEL	*****FUEL SAVINGS**** DIRECT OIL+GAS	DIRECT COAL	TOTAL OIL+GAS	TOTAL COAL	FESR	EMISSIONS SAVINGS DIRECT NOX	DIRECT SOX	DIRECT PART	TOTAL NOX	TOTAL SOX	TOTAL PART	EMSR	CAPITL SAVING	ELECTRIC POWER TOTAL EXPORT MWH	COST	LAEC SAVED
28951	DEADV3	RESIDU	0.	-0.049	0.	0.029	0.30	-58.	-20.	-4.	-33.	22.	-2.	-0.14	1.	4.	44.	-1.
28951	DEHTPM	RESIDU	0.	-0.015	0.	0.019	0.36	-24.	-6.	-2.	-13.	12.	-0.	-0.03	-1.	0.	49.	0.
28951	DEHTPM	RESIDU	0.	-0.018	0.	0.022	0.38	-28.	-7.	-2.	-15.	14.	-0.	-0.03	-0.	1.	43.	0.
28951	DESOA3	DISTIL	-0.023	0.	-0.023	0.034	0.21	-55.	0.	0.	-44.	17.	0.	-0.66	-0.	0.	59.	-1.
28951	DESOA3	DISTIL	-0.061	0.	-0.061	0.089	0.27	-148.	-6.	0.	-120.	41.	2.	-0.84	1.	5.	52.	-2.
28951	DESOA3	RESIDU	-0.023	0.	-0.023	0.034	0.21	-120.	-9.	-0.	-109.	10.	2.	-2.42	-0.	0.	54.	-0.
28951	DESOA3	RESIDU	-0.061	0.	-0.061	0.089	0.27	-318.	-23.	-0.	-290.	26.	5.	-2.81	1.	5.	47.	-1.
28951	GTSOAD	DISTIL	-0.015	0.	-0.015	0.031	0.30	-6.	-2.	0.	4.	14.	1.	0.51	2.	0.	36.	0.
28951	GTRA08	DISTIL	0.	-0.017	0.	0.016	0.31	-7.	-3.	0.	4.	16.	3.	0.49	0.	0.	47.	-0.
28951	GTRA08	DISTIL	0.	-0.025	0.	0.024	0.35	-11.	-5.	0.	5.	22.	4.	0.50	1.	1.	39.	-0.
28951	GTRA12	DISTIL	0.	-0.017	0.	0.017	0.32	-7.	-3.	0.	4.	16.	3.	0.50	0.	0.	46.	-0.
28951	GTRA12	DISTIL	0.	-0.024	0.	0.024	0.36	-11.	-5.	0.	5.	22.	4.	0.51	1.	1.	39.	-0.
28951	GTRA16	DISTIL	0.	-0.017	0.	0.017	0.32	-7.	-3.	0.	4.	16.	3.	0.49	0.	0.	47.	-0.
28951	GTRA16	DISTIL	0.	-0.023	0.	0.022	0.35	-10.	-4.	0.	5.	21.	4.	0.50	1.	1.	40.	-0.
28951	GTR208	DISTIL	0.	-0.017	0.	0.017	0.32	-7.	-3.	0.	4.	16.	3.	0.48	1.	0.	42.	-0.
28951	GTR208	DISTIL	0.	-0.019	0.	0.019	0.33	-9.	-3.	0.	4.	18.	3.	0.49	1.	0.	38.	-0.
28951	GTR212	DISTIL	0.	-0.017	0.	0.016	0.31	-7.	-3.	0.	4.	16.	3.	0.49	1.	0.	44.	-0.
28951	GTR212	DISTIL	0.	-0.021	0.	0.020	0.33	-9.	-4.	0.	4.	19.	3.	0.49	1.	1.	39.	-0.
28951	GTR216	DISTIL	0.	-0.017	0.	0.017	0.32	-7.	-3.	0.	4.	16.	3.	0.49	1.	0.	44.	-0.
28951	GTR216	DISTIL	0.	-0.021	0.	0.021	0.34	-9.	-4.	0.	4.	20.	3.	0.50	1.	1.	39.	-0.
28951	GTRW08	DISTIL	0.	-0.020	0.	0.014	0.26	-8.	-3.	0.	3.	16.	3.	0.46	0.	0.	52.	-0.
28951	GTRW08	DISTIL	0.	-0.035	0.	0.024	0.31	-15.	-8.	0.	4.	25.	4.	0.47	2.	2.	43.	-0.
28951	GTRW12	DISTIL	0.	-0.019	0.	0.015	0.28	-7.	-3.	0.	4.	16.	3.	0.47	0.	0.	51.	-0.
28951	GTRW12	DISTIL	0.	-0.034	0.	0.026	0.33	-15.	-7.	0.	5.	26.	4.	0.49	2.	2.	42.	-0.
28951	GTRW16	DISTIL	0.	-0.019	0.	0.015	0.28	-7.	-3.	0.	4.	16.	3.	0.47	0.	0.	51.	-0.
28951	GTRW16	DISTIL	0.	-0.032	0.	0.024	0.33	-14.	-7.	0.	5.	25.	4.	0.49	1.	2.	43.	-0.
28951	GTR308	DISTIL	0.	-0.021	0.	0.013	0.25	-8.	-4.	0.	3.	15.	3.	0.44	1.	0.	49.	-0.
28951	GTR308	DISTIL	0.	-0.027	0.	0.017	0.27	-12.	-5.	0.	3.	19.	4.	0.44	1.	1.	43.	-0.
28951	GTR312	DISTIL	0.	-0.019	0.	0.015	0.28	-7.	-3.	0.	4.	16.	3.	0.47	0.	0.	48.	-0.
28951	GTR312	DISTIL	0.	-0.028	0.	0.022	0.32	-12.	-6.	0.	4.	22.	4.	0.48	2.	1.	40.	-0.
28951	GTR316	DISTIL	0.	-0.019	0.	0.015	0.28	-8.	-3.	0.	3.	16.	3.	0.47	0.	0.	49.	-0.
28951	GTR316	DISTIL	0.	-0.028	0.	0.021	0.32	-12.	-6.	0.	4.	22.	4.	0.48	1.	1.	42.	-0.
28951	FCPADS	DISTIL	0.	-0.023	0.	0.011	0.21	-2.	4.	1.	9.	23.	3.	0.74	1.	0.	61.	-1.
28951	FCPADS	DISTIL	0.	-0.074	0.	0.036	0.28	-12.	7.	1.	24.	68.	8.	0.85	3.	7.	56.	-3.
28951	FCMCDS	DISTIL	0.	-0.019	0.	0.015	0.28	-16.	4.	0.	-5.	23.	3.	0.45	0.	0.	56.	-1.
28951	FCMCDS	DISTIL	0.	-0.049	0.	0.038	0.36	-45.	7.	-0.	-16.	56.	6.	0.46	2.	5.	51.	-2.
28	FCMCDS	DISTIL	-24.694	*******	-24.694	277.749	47.01	**********	-6991.	-7515.	242822.	36607.	0.31	23697.	49098.	83960.	-5366.	
29111	STM141	RESIDU	0.	-0.049	0.	0.082	0.16	-17.	-20.	-2.	24.	50.	3.	0.17	10.	0.	18.	2.
29111	STM141	RESIDU	0.	-0.062	0.	0.102	0.19	-22.	-25.	-3.	31.	63.	4.	0.20	12.	3.	17.	3.
29111	STM141	COAL-F	0.	-0.049	0.	0.082	0.16	-17.	-107.	-2.	28.	-24.	21.	0.05	-8.	0.	53.	6.
29111	STM141	COAL-F	0.	-0.062	0.	0.102	0.19	-22.	-114.	-3.	34.	-13.	22.	0.09	-2.	3.	37.	7.
29111	STM141	COAL-A	0.	-0.049	0.	0.082	0.16	76.	-107.	-2.	121.	-24.	21.	0.26	-1.	0.	40.	7.
29111	STM141	COAL-A	0.	-0.062	0.	0.102	0.19	75.	-114.	-3.	130.	-13.	22.	0.28	7.	3.	24.	8.
29111	STM088	RESIDU	0.	-0.041	0.	0.068	0.13	-14.	-16.	-2.	20.	42.	3.	0.14	9.	0.	22.	2.
29111	STM088	COAL-F	0.	-0.041	0.	0.068	0.13	-14.	-102.	-2.	24.	-31.	20.	0.03	-4.	0.	45.	6.
29111	STM088	COAL-A	0.	-0.041	0.	0.068	0.13	78.	-102.	-2.	116.	-31.	20.	0.23	3.	0.	31.	7.

ISE PEG AES COGENERATION TECHNOLOGY ALTERNATIVES STUDY
FUEL UNITS = REPORT 6.1 FUEL AND EMISSIONS SAVINGS (SAVINGS ARE
EMISSION UNITS= TIME 1990 LEVEL ALL
COST =$*10**9 TYPE MATCH=POWR

PROCS	ECS	ECS FUEL	****DIRECT FUEL SAVINGS OIL+GAS	TOTAL COAL	TOTAL OIL+GAS	FESR COAL	DIRECT EMISSIONS SAVINGS NOX	SOX	PART	TOTAL EMISSIONS SAVINGS NOX	SOX	PART	EMSR	CAPITL SAVING	ELECTRIC POWER TOTAL EXPORT MWH	COST	LAEC SAVED
29111	PFBSTM	COAL-P	0.	-0.052	0.	0.079	0.15	90.	-108.	5.	135.	-25.	28.	0.30	-11.	0.	61.	5.
29111	PFBSTM	COAL-P	0.	-0.116	0.	0.177	0.26	98.	-147.	12.	195.	25.	45.	0.43	3.	15.	33.	7.
29111	TISTMT	RESIDU	0.	-0.051	0.	0.080	0.15	-18.	-20.	-3.	24.	50.	3.	0.17	-19.	0.	75.	-2.
29111	TISTMT	RESIDU	0.	-0.156	0.	0.246	0.31	-55.	-62.	-8.	74.	153.	10.	0.33	-41.	25.	61.	-5.
29111	TISTMT	COAL	0.	-0.051	0.	0.080	0.15	-18.	-108.	-3.	27.	-25.	21.	0.05	-41.	0.	115.	2.
29111	TISTMT	COAL	0.	-0.156	0.	0.246	0.31	-55.	-171.	-8.	78.	61.	31.	0.24	-65.	25.	72.	-1.
29111	TIHRSG	RESIDU	0.	-0.085	0.	0.045	0.09	-30.	-34.	-4.	12.	35.	0.	0.10	-34.	0.	111.	-4.
29111	TIHRSG	RESIDU	0.	-0.156	0.	0.083	0.13	-54.	-62.	-8.	21.	63.	0.	0.15	-51.	10.	98.	-8.
29111	TIHRSG	COAL	0.	-0.085	0.	0.045	0.09	-30.	-129.	-4.	15.	-45.	19.	-0.02	-57.	0.	152.	-1.
29111	TIHRSG	COAL	0.	-0.156	0.	0.083	0.13	-54.	-171.	-8.	25.	-29.	22.	0.03	-75.	10.	116.	-4.
29111	STIRL	DISTIL	0.	-0.076	0.	0.055	0.11	29.	24.	11.	74.	108.	35.	0.47	3.	0.	43.	-3.
29111	STIRL	DISTIL	0.	-0.265	0.	0.192	0.23	-15.	-29.	8.	135.	233.	51.	0.55	14.	31.	39.	-7.
29111	STIRL	RESIDU	0.	-0.076	0.	0.055	0.11	-27.	-30.	-9.	15.	39.	-4.	0.11	3.	0.	38.	1.
29111	STIRL	RESIDU	0.	-0.265	0.	0.192	0.23	-93.	-106.	-31.	52.	136.	-14.	0.23	14.	31.	34.	-1.
29111	STIRL	COAL	0.	-0.076	0.	0.055	0.11	-27.	-123.	-4.	18.	-40.	19.	-0.00	-16.	0.	72.	4.
29111	STIRL	COAL	0.	-0.265	0.	0.192	0.23	-93.	-236.	-13.	57.	25.	29.	0.15	-16.	31.	44.	4.
29111	HEGT60	COAL-A	0.	-0.128	0.	0.002	0.00	58.	-154.	-6.	103.	-71.	17.	0.11	-27.	0.	101.	2.
29111	HEGT60	COAL-A	0.	-1.492	0.	0.028	0.01	-206.	-973.	-75.	286.	-129.	31.	0.11	-38.	130.	49.	-16.
29111	HEGT00	COAL-A	0.	-0.107	0.	0.024	0.05	58.	-142.	-5.	103.	-59.	18.	0.13	-25.	0.	93.	3.
29111	HEGT00	COAL-A	0.	-0.318	0.	0.070	0.09	7.	-268.	-16.	135.	-44.	23.	0.16	-25.	24.	57.	1.
29111	FCMCCL	COAL	0.	-0.061	0.	0.069	0.13	27.	-32.	3.	72.	51.	27.	0.33	-23.	0.	85.	3.
29111	FCMCCL	COAL	0.	-0.311	0.	0.352	0.34	135.	154.	18.	351.	528.	72.	1.00	-13.	50.	40.	4.
29111	FCSTCL	COAL	0.	-0.059	0.	0.072	0.14	19.	-45.	2.	64.	39.	26.	0.28	-22.	0.	83.	4.
29111	FCSTCL	COAL	0.	-0.415	0.	0.510	0.39	135.	154.	17.	435.	672.	68.	1.00	-4.	74.	35.	5.
29111	IGGTST	COAL	0.	-0.075	0.	0.056	0.11	-26.	-122.	3.	19.	-39.	25.	0.01	-21.	0.	82.	4.
29111	IGGTST	COAL	0.	-0.360	0.	0.270	0.27	-126.	-293.	16.	80.	63.	68.	0.23	-7.	47.	37.	3.
29111	GTSOAR	RESIDU	-0.078	0.	-0.078	0.131	0.10	-29.	-29.	-1.	13.	42.	7.	0.20	3.	0.	38.	1.
29111	GTSOAR	RESIDU	-0.457	0.	-0.457	0.764	0.27	-168.	-172.	-4.	78.	246.	42.	0.41	45.	59.	28.	-1.
29111	GTAC08	RESIDU	0.	-0.061	0.	0.070	0.14	-60.	-24.	-7.	-18.	45.	-2.	0.05	7.	0.	25.	2.
29111	GTAC08	RESIDU	0.	-0.250	0.	0.287	0.31	-247.	-100.	-29.	-76.	186.	-8.	0.12	36.	36.	21.	3.
29111	GTAC12	RESIDU	0.	-0.062	0.	0.068	0.13	-56.	-25.	-7.	-15.	45.	-2.	0.06	4.	0.	32.	1.
29111	GTAC12	RESIDU	0.	-0.323	0.	0.353	0.33	-290.	-129.	-35.	-75.	231.	-8.	0.15	44.	51.	22.	3.
29111	GTAC16	RESIDU	0.	-0.065	0.	0.066	0.13	-55.	-26.	-7.	-14.	43.	-2.	0.06	4.	0.	33.	1.
29111	GTAC16	RESIDU	0.	-0.392	0.	0.394	0.34	-332.	-157.	-40.	-82.	261.	-9.	0.16	48.	61.	23.	2.
29111	GTWC16	RESIDU	0.	-0.069	0.	0.061	0.12	-58.	-28.	-7.	-16.	42.	-2.	0.05	4.	0.	35.	1.
29111	GTWC16	RESIDU	0.	-0.424	0.	0.374	0.32	-351.	-169.	-43.	-97.	254.	-12.	0.13	51.	63.	24.	1.
29111	CC1626	RESIDU	0.	-0.071	0.	0.060	0.12	-53.	-28.	-7.	-12.	41.	-2.	0.06	3.	0.	36.	1.
29111	CC1626	RESIDU	0.	-0.637	0.	0.536	0.34	-479.	-255.	-59.	-106.	367.	-15.	0.17	73.	98.	25.	0.
29111	CC1622	RESIDU	0.	-0.068	0.	0.063	0.12	-53.	-27.	-6.	-11.	42.	-1.	0.06	4.	0.	35.	1.
29111	CC1622	RESIDU	0.	-0.548	0.	0.505	0.35	-425.	-219.	-52.	-91.	340.	-12.	0.18	64.	86.	25.	1.
29111	CC1222	RESIDU	0.	-0.067	0.	0.063	0.12	-53.	-27.	-6.	-11.	43.	-1.	0.07	4.	0.	34.	1.
29111	CC1222	RESIDU	0.	-0.539	0.	0.507	0.35	-420.	-216.	-51.	-88.	340.	-11.	0.18	66.	86.	24.	1.
29111	CC0822	RESIDU	0.	-0.063	0.	0.068	0.13	-53.	-25.	-6.	-11.	45.	-1.	0.07	4.	0.	33.	1.
29111	CC0822	RESIDU	0.	-0.396	0.	0.428	0.35	-334.	-158.	-41.	-72.	280.	-8.	0.18	53.	65.	22.	3.
29111	DEHTPM	RESIDU	0.	-0.073	0.	0.057	0.11	-115.	-29.	-8.	-73.	40.	-3.	-0.08	-3.	0.	48.	-0.
29111	DEHTPM	RESIDU	0.	-0.378	0.	0.295	0.28	-591.	-151.	-39.	-377.	205.	-14.	-0.19	6.	51.	39.	-4.

ISE PEG AES COGENERATION TECHNOLOGY ALTERNATIVES STUDY
FUEL UNITS = REPORT 6.1 FUEL AND EMISSIONS SAVINGS (SAVINGS ARE
EMISSION UNITS= TIME 1990 LEVEL ALL
COST =$*10**9 TYPE MATCH=POWR

PROCS	ECS	ECS FUEL	****DIRECT**** OIL+GAS	COAL	*****TOTAL---- OIL+GAS	COAL	FESR	DIRECT NOX	DIRECT SOX	DIRECT PART	TOTAL NOX	TOTAL SOX	TOTAL PART	EMSR	CAPITL SAVING	ELECTRIC POWER TOTAL EXPORT MWH	COST	LAEC SAVED
29111	GTSOAD	DISTIL	-0.067	0.	-0.067	0.131	0.12	-27.	-11.	0.	15.	59.	5.	0.35	5.	0.	36.	-2.
29111	GTSOAD	DISTIL	-0.337	0.	-0.337	0.660	0.31	-135.	-55.	0.	75.	296.	26.	0.55	45.	50.	26.	-4.
29111	GTRA08	DISTIL	0.	-0.078	0.	0.053	0.10	9.	24.	11.	53.	107.	35.	0.42	3.	0.	43.	-3.
29111	GTRA08	DISTIL	0.	-0.766	0.	0.520	0.31	-326.	-170.	-0.	91.	545.	91.	0.47	70.	108.	33.	-13.
29111	GTRA12	DISTIL	0.	-0.075	0.	0.056	0.11	9.	25.	11.	54.	108.	35.	0.43	3.	0.	43.	-3.
29111	GTRA12	DISTIL	0.	-0.696	0.	0.515	0.32	-298.	-150.	1.	95.	524.	80.	0.48	69.	101.	32.	-11.
29111	GTRA16	DISTIL	0.	-0.074	0.	0.057	0.11	9.	25.	11.	54.	108.	35.	0.43	2.	0.	43.	-3.
29111	GTRA16	DISTIL	0.	-0.622	0.	0.478	0.32	-268.	-129.	2.	89.	484.	83.	0.48	60.	91.	32.	-10.
29111	GTR208	DISTIL	0.	-0.073	0.	0.058	0.11	7.	25.	12.	52.	108.	35.	0.42	3.	0.	41.	-3.
29111	GTR208	DISTIL	0.	-0.489	0.	0.386	0.31	-215.	-92.	4.	70.	399.	72.	0.47	52.	70.	30.	-7.
29111	GTR212	DISTIL	0.	-0.073	0.	0.058	0.11	8.	25.	12.	53.	108.	35.	0.43	3.	0.	41.	-3.
29111	GTR212	DISTIL	0.	-0.525	0.	0.415	0.31	-229.	-102.	4.	76.	424.	75.	0.47	55.	76.	31.	-8.
29111	GTR216	DISTIL	0.	-0.072	0.	0.059	0.11	9.	26.	12.	54.	109.	35.	0.43	3.	0.	41.	-3.
29111	GTR216	DISTIL	0.	-0.533	0.	0.435	0.32	-233.	-104.	4.	82.	437.	76.	0.48	54.	79.	31.	-8.
29111	GTRW08	DISTIL	0.	-0.086	0.	0.045	0.09	6.	22.	11.	51.	105.	34.	0.41	3.	0.	46.	-4.
29111	GTRW08	DISTIL	0.	-0.984	0.	0.519	0.27	-413.	-231.	-4.	74.	602.	100.	0.45	85.	129.	35.	-18.
29111	GTRW12	DISTIL	0.	-0.081	0.	0.050	0.10	8.	23.	11.	53.	106.	35.	0.42	3.	0.	44.	-3.
29111	GTRW12	DISTIL	0.	-0.913	0.	0.565	0.30	-385.	-211.	-3.	94.	609.	100.	0.47	91.	126.	33.	-15.
29111	GTRW16	DISTIL	0.	-0.079	0.	0.052	0.10	8.	24.	11.	53.	107.	35.	0.42	2.	0.	45.	-3.
29111	GTRW16	DISTIL	0.	-0.805	0.	0.524	0.31	-341.	-181.	-1.	89.	558.	93.	0.47	79.	112.	32.	-13.
29111	GTR308	DISTIL	0.	-0.090	0.	0.041	0.08	3.	21.	11.	48.	104.	34.	0.40	3.	0.	46.	-4.
29111	GTR308	DISTIL	0.	-0.766	0.	0.350	0.23	-326.	-170.	-0.	36.	452.	81.	0.41	70.	92.	35.	-15.
29111	GTR312	DISTIL	0.	-0.077	0.	0.054	0.10	8.	24.	11.	53.	107.	35.	0.42	3.	0.	42.	-3.
29111	GTR312	DISTIL	0.	-0.647	0.	0.458	0.31	-278.	-136.	2.	80.	479.	83.	0.47	68.	91.	31	-10.
29111	GTR316	DISTIL	0.	-0.077	0.	0.054	0.10	8.	24.	11.	53.	107.	35.	0.42	3.	0.	43.	-3.
29111	GTR316	DISTIL	0.	-0.638	0.	0.447	0.30	-274.	-134.	2.	78.	471.	82.	0.47	65.	90.	32.	-10.
29111	FCPADS	DISTIL	0.	-0.088	0.	0.043	0.08	30.	52.	13.	75.	135.	36.	0.54	0.	0.	61.	-5.
29111	FCPADS	DISTIL	0.	-1.546	0.	0.749	0.28	-242.	155.	19.	500.	1421.	171.	0.85	69.	203.	54.	-61.
29111	FCMCDS	DISTIL	0.	-0.074	0.	0.057	0.11	-24.	53.	12.	21.	137.	35.	0.42	-0.	0.	57.	-5.
29111	FCMCDS	DISTIL	0.	-1.023	0.	0.792	0.36	-929.	152.	-2.	-342.	1157.	121.	0.46	48.	158.	49.	-39.
29112	STM141	RESIDU	0.	-0.183	0.	0.303	0.16	-64.	-73.	-9.	91.	187.	12.	0.18	38.	0.	16.	10.
29112	STM141	RESIDU	0.	-0.212	0.	0.352	0.18	-74.	-85.	-11.	106.	217.	14.	0.19	45.	7.	15.	11.
29112	STM141	COAL-F	0.	-0.183	0.	0.303	0.16	-64.	-384.	-9.	103.	-78.	75.	0.06	-8.	0.	38.	26.
29112	STM141	COAL-F	0.	-0.212	0.	0.352	0.18	-74.	-402.	-11.	117.	-52.	78.	0.08	-4.	7.	34.	27.
29112	STM141	COAL-A	0.	-0.183	0.	0.303	0.16	271.	-384.	-9.	437.	-78.	75.	0.26	11.	0.	29.	28.
29112	STM141	COAL-A	0.	-0.212	0.	0.352	0.18	267.	-402.	-11.	458.	-52.	78.	0.28	20.	7.	24.	30.
29112	STM088	RESIDU	0.	-0.140	0.	0.231	0.12	-49.	-56.	-7.	69.	143.	9.	0.13	33.	0.	23.	8.
29112	STM088	COAL-F	0.	-0.140	0.	0.231	0.12	-49.	-358.	-7.	81.	-115.	70.	0.02	-15.	0.	44.	23.
29112	STM088	COAL-A	0.	-0.140	0.	0.231	0.12	277.	-358.	-7.	406.	-115.	70.	0.22	12.	0.	31.	26.
29112	PFBSTM	COAL-P	0.	-0.192	0.	0.293	0.16	320.	-390.	20.	487.	-83.	104.	0.31	-9.	0.	42.	24.
29112	PFBSTM	COAL-P	0.	-0.404	0.	0.617	0.26	347.	-517.	42.	686.	82.	157.	0.43	44.	50.	24.	30.
29112	TISTMT	RESIDU	0.	-0.188	0.	0.297	0.16	-66.	-75.	-9.	89.	185.	12.	0.17	-43.	0.	58.	-1.
29112	TISTMT	RESIDU	0.	-0.545	0.	0.860	0.31	-191.	-218.	-27.	257.	534.	34.	0.33	-73.	86.	48.	-9.
29112	TISTMT	COAL	0.	-0.188	0.	0.297	0.16	-66.	-388.	-9.	101.	-81.	74.	0.06	-95.	0.	83.	14.
29112	TISTMT	COAL	0.	-0.545	0.	0.860	0.31	-191.	-601.	-27.	272.	208.	111.	0.24	-133.	86.	55.	11.
29112	TIHRSG	RESIDU	0.	-0.317	0.	0.169	0.09	-111.	-127.	-16.	43.	129.	0.	0.10	-78.	0.	85.	-10.

ISE PEG AES COGENERATION TECHNOLOGY ALTERNATIVES STUDY
FUEL UNITS = REPORT 6.1 FUEL AND EMISSIONS SAVINGS (SAVINGS ARE
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COST =$*10**9 TYPE MATCH=HEAT

PROCS	ECS	ECS	*****FUEL SAVINGS*****DIRECT		*****TOTAL		FESR	----------EMISSIONS SAVINGS----------DIRECT			********TOTAL********			EMSR	CAPITL SAVING	ELECTRIC POWER--- TOTAL EXPORT MWH	COST LAEC SAVED	
		FUEL	OIL+GAS	COAL	OIL+GAS	COAL		NOX	SOX	PART	NOX	SOX	PART					
29112	TIHRSG	RESIDU	0.	-0.553	0.	0.294	0.13	-194.	-221.	-28.	75.	226.	0.	0.15	-113.	34.	78.	-19.
29112	TIHRSG	COAL	0.	-0.317	0.	0.169	0.09	-111.	-465.	-16.	56.	-158.	68.	-0.02	-131.	0.	107.	7.
29112	TIHRSG	COAL	0.	-0.553	0.	0.294	0.13	-194.	-607.	-28.	83.	-102.	77.	0.03	-173.	34.	88.	-0.
29112	STIRL	DISTIL	0.	-0.282	0.	0.204	0.11	100.	84.	41.	267.	390.	124.	0.47	6.	0.	44.	-11.
29112	STIRL	DISTIL	0.	-0.943	0.	0.683	0.23	-52.	-103.	29.	481.	828.	181.	0.55	47.	107.	39.	-23.
29112	STIRL	RESIDU	0.	-0.282	0.	0.204	0.11	-99.	-113.	-32.	56.	145.	-15.	0.11	6.	0.	40.	2.
29112	STIRL	RESIDU	0.	-0.943	0.	0.683	0.23	-330.	-377.	-109.	186.	484.	-50.	0.23	46.	107.	35.	-4.
29112	STIRL	COAL	0.	-0.282	0.	0.204	0.11	-99.	-444.	-14.	68.	-137.	70.	0.00	-47.	0.	63.	19.
29112	STIRL	COAL	0.	-0.943	0.	0.683	0.23	-330.	-840.	-47.	203.	90.	104.	0.15	-59.	107.	44.	15.
29112	HEGT60	COAL-A	0.	-0.477	0.	0.009	0.00	203.	-561.	-24.	370.	-254.	60.	0.11	-65.	0.	30.	12.
29112	HEGT60	COAL-A	0.	-5.304	0.	0.101	0.01	-731.	-3457.	-265.	1018.	-460.	110.	0.11	-42.	461.	45.	-43.
29112	HEGT00	COAL-A	0.	-0.398	0.	0.087	0.05	201.	-514.	-20.	367.	-207.	64.	0.14	-48.	0.	68.	16.
29112	HEGT00	COAL-A	0.	-1.129	0.	0.247	0.09	27.	-952.	-56.	480.	-158.	80.	0.16	-18.	84.	44.	13.
29112	FCMCCL	COAL	0.	-0.228	0.	0.258	0.14	99.	-105.	13.	265.	202.	97.	0.34	-48.	0.	63.	18.
29112	FCMCCL	COAL	0.	-1.107	0.	1.250	0.34	480.	548.	62.	1248.	1878.	257.	1.00	31.	175.	31.	24.
29112	FCSTCL	COAL	0.	-0.218	0.	0.268	0.14	72.	-152.	9.	238.	155.	93.	0.29	-46.	0.	61.	19.
29112	FCSTCL	COAL	0.	-1.462	0.	1.794	0.39	479.	548.	62.	1537.	2370.	309.	1.00	74.	260.	23.	30.
29112	IGGTST	COAL	0.	-0.278	0.	0.207	0.11	-97.	-442.	12.	69.	-135.	96.	0.02	-39.	0.	57.	20.
29112	IGGTST	COAL	0.	-1.268	0.	0.944	0.26	-444.	-1035.	55.	278.	215.	241.	0.23	24.	162.	31.	26.
29112	GTSOAR	RESIDU	-0.290	0.	-0.290	0.486	0.11	-107.	-109.	-2.	49.	156.	26.	0.21	24.	0.	30.	4.
29112	GTSOAR	RESIDU	-1.624	0.	-1.624	2.717	0.27	-598.	-611.	-13.	276.	874.	148.	0.41	163.	209.	27.	-2.
29112	GTAC08	RESIDU	0.	-0.226	0.	0.259	0.14	-223.	-90.	-27.	-69.	168.	-7.	0.06	28.	0.	24.	7.
29112	GTAC08	RESIDU	0.	-0.890	0.	1.020	0.31	-877.	-356.	-104.	-269.	662.	-27.	0.12	128.	134.	31.	11.
29112	GTAC12	RESIDU	0.	-0.232	0.	0.254	0.14	-209.	-93.	-25.	-54.	166.	-6.	0.06	26.	0.	25.	7.
29112	GTAC12	RESIDU	0.	-1.148	0.	1.256	0.33	-1032.	-459.	-124.	-268.	821.	-26.	0.15	155.	180.	22.	11.
29112	GTAC16	RESIDU	0.	-0.242	0.	0.243	0.13	-205.	-97.	-25.	-51.	161.	-6.	0.06	25.	0.	27.	6.
29112	GTAC16	RESIDU	0.	-1.393	0.	1.400	0.34	-1179.	-557.	-143.	-291.	928.	-33.	0.16	169.	216.	24.	7.
29112	GTWC16	RESIDU	0.	-0.258	0.	0.228	0.12	-214.	-103.	-26.	-59.	155.	-8.	0.05	26.	0.	27.	6.
29112	GTWC16	RESIDU	0.	-1.505	0.	1.329	0.32	-1247.	-602.	-152.	-346.	903.	-44.	0.13	187.	220.	23.	6.
29112	CC1626	RESIDU	0.	-0.264	0.	0.222	0.12	-199.	-106.	-24.	-45.	152.	-6.	0.06	25.	0.	28.	5.
29112	CC1626	RESIDU	0.	-2.247	0.	1.885	0.34	-1692.	-899.	-208.	-379.	1293.	-54.	0.17	266.	342.	24.	2.
29112	CC1622	RESIDU	0.	-0.253	0.	0.233	0.13	-197.	-101.	-24.	-42.	157.	-5.	0.07	25.	0.	28.	6.
29112	CC1622	RESIDU	0.	-1.932	0.	1.777	0.35	-1502.	-773.	-184.	-324.	1197.	-42.	0.18	227.	302.	24.	5.
29112	CC1222	RESIDU	0.	-0.251	0.	0.235	0.13	-196.	-100.	-24.	-41.	158.	-5.	0.07	26.	0.	27.	6.
29112	CC1222	RESIDU	0.	-1.901	0.	1.781	0.35	-1484.	-760.	-182.	-314.	1196.	-40.	0.18	233.	300.	24.	6.
29112	CC0822	RESIDU	0.	-0.234	0.	0.252	0.14	-198.	-93.	-24.	-43.	165.	-5.	0.07	27.	0.	25.	6.
29112	CC0822	RESIDU	0.	-1.394	0.	1.504	0.35	-1180.	-557.	-143.	-258.	986.	-27.	0.18	195.	226.	21.	12.
29112	DEHTPM	RESIDU	0.	-0.273	0.	0.213	0.11	-427.	-109.	-28.	-273.	148.	-10.	-0.08	-3.	0.	44.	1.
29112	DEHTPM	RESIDU	0.	-1.342	0.	1.047	0.28	-2099.	-537.	-139.	-1341.	729.	-51.	-0.19	20.	179.	39.	-15.
29112	GTSOAD	DISTIL	-0.248	0.	-0.248	0.486	0.13	-99.	-40.	0.	55.	218.	19.	0.36	28.	0.	29.	-7.
29112	GTSOAD	DISTIL	-1.199	0.	-1.199	2.348	0.31	-480.	-195.	0.	266.	1053.	91.	0.55	158.	175.	26.	-13.
29112	GTRA08	DISTIL	0.	-0.289	0.	0.196	0.11	24.	81.	40.	191.	388.	124.	0.42	23.	0.	36.	-9.
29112	GTRA08	DISTIL	0.	-2.723	0.	1.848	0.31	-1158.	-604.	-1.	323.	1937.	325.	0.47	261.	383.	33.	-44.
29112	GTRA12	DISTIL	0.	-0.279	0.	0.207	0.11	27.	64.	41.	193.	391.	124.	0.43	22.	0.	35.	-9.
29112	GTRA12	DISTIL	0.	-2.473	0.	1.831	0.32	-1058.	-533.	3.	337.	1861.	313.	0.48	244.	358.	32.	-38.
29112	GTRA16	DISTIL	0.	-0.275	0.	0.211	0.11	26.	85.	41.	193.	392.	124.	0.43	21.	0.	35.	-9.

ISE PE0 AES COGENERATION TECHNOLOGY ALTERNATIVES STUDY
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EMISSION UNITS= TIME 1990 LEVEL ALL
COST =$*10**9 TYPE MATCH=HEAT

PROCS	ECS	ECS FUEL	*****FUEL SAVINGS**** DIRECT OIL+GAS	TOTAL OIL+GAS	FESR COAL	EMISSIONS SAVINGS DIRECT NOX	DIRECT SOX	DIRECT PART	TOTAL NOX	TOTAL SOX	TOTAL PART	EMSR	CAPITL SAVING	ELECTRIC POWER TOTAL EXPORT MWH	COST	LAEC SAVED
29112	GTRA16	DISTIL	0.	-2.210	0.	1.699	0.32	-953.	-459.	8.	315.	1719.	294.	0.48	212.	321.	32.	-34.
29112	GTR208	DISTIL	0.	-0.271	0.	0.214	0.12	20.	86.	41.	186.	393.	124.	0.43	25.	0.	33.	-8.
29112	GTR208	DISTIL	0.	-1.738	0.	1.374	0.31	-764.	-326.	16.	248.	1417.	255.	0.47	168.	246.	30.	-25.
29112	GTR212	DISTIL	0.	-0.271	0.	0.214	0.12	22.	86.	41.	189.	393.	124.	0.43	24.	0.	34.	-9.
29112	GTR212	DISTIL	0.	-1.866	0.	1.475	0.31	-815.	-352.	14.	270.	1506.	266.	0.47	199.	268.	30.	-27.
29112	GTR216	DISTIL	0.	-0.267	0.	0.218	0.12	25.	88.	41.	192.	394.	124.	0.43	23.	0.	34.	-9.
29112	GTR216	DISTIL	0.	-1.895	0.	1.547	0.32	-827.	-371.	13.	291.	1553.	272.	0.48	197.	277.	31.	-27.
29112	GTRW08	DISTIL	0.	-0.318	0.	0.168	0.09	16.	73.	40.	183.	380.	124.	0.41	20.	0.	40.	-11.
29112	GTRW08	DISTIL	0.	-3.495	0.	1.846	0.27	-1467.	-821.	-14.	262.	2141.	357.	0.45	339.	455.	34.	-60.
29112	GTRW12	DISTIL	0.	-0.300	0.	0.186	0.10	23.	78.	40.	190.	385.	124.	0.42	20.	0.	38.	-10.
29112	GTRW12	DISTIL	0.	-3.246	0.	2.009	0.30	-1367.	-751.	-10.	334.	2164.	356.	0.47	333.	447.	32.	-51.
29112	GTRW16	DISTIL	0.	-0.294	0.	0.192	0.10	23.	80.	40.	190.	387.	124.	0.42	23.	0.	36.	-10.
29112	GTRW16	DISTIL	0.	-2.860	0.	1.863	0.31	-1213.	-642.	-3.	317.	1982.	331.	0.47	292.	397.	32.	-44.
29112	GTR308	DISTIL	0.	-0.333	0.	0.152	0.08	3.	69.	40.	170.	376.	123.	0.40	25.	0.	39.	-11.
29112	GTR308	DISTIL	0.	-2.723	0.	1.246	0.23	-1158.	-604.	-1.	129.	1608.	289.	0.41	251.	327.	35.	-52.
29112	GTR312	DISTIL	0.	-0.285	0.	0.201	0.11	22.	83.	40.	189.	390.	124.	0.42	25.	0.	34.	-9.
29112	GTR312	DISTIL	0.	-2.300	0.	1.626	0.31	-989.	-485.	6.	265.	1704.	294.	0.47	248.	323.	31.	-34.
29112	GTR316	DISTIL	0.	-0.285	0.	0.200	0.11	21.	82.	40.	188.	389.	124.	0.42	24.	0.	35.	-9.
29112	GTR316	DISTIL	0.	-2.267	0.	1.590	0.30	-976.	-475.	7.	276.	1675.	290.	0.47	238.	316.	31.	-34.
29112	FCPADS	DISTIL	0.	-0.327	0.	0.158	0.09	104.	186.	47.	270.	493.	130.	0.54	5.	0.	59.	-18.
29112	FCPADS	DISTIL	0.	-5.495	0.	2.662	0.28	-859.	550.	69.	1776.	5052.	607.	0.85	281.	719.	53.	-212.
29112	FCMCDS	DISTIL	0.	-0.274	0.	0.212	0.11	-96.	191.	41.	70.	498.	125.	0.42	3.	0.	54.	-16.
29112	FCMCDS	DISTIL	0.	-3.638	0.	2.815	0.36	-3303.	542.	-6.	-1217.	4112.	430.	0.46	196.	560.	48.	-135.
29113	STM141	RESIDU	0.	-0.443	0.	0.734	0.17	-155.	-177.	-22.	220.	453.	30.	0.18	91.	0.	16.	24.
29113	STM141	RESIDU	0.	-0.513	0.	0.850	0.19	-180.	-205.	-26.	255.	525.	35.	0.20	111.	17.	14.	27.
29113	STM141	COAL-F	0.	-0.443	0.	0.734	0.17	-155.	-893.	-22.	247.	-155.	173.	0.07	-11.	0.	35.	62.
29113	STM141	COAL-F	0.	-0.513	0.	0.850	0.19	-180.	-935.	-26.	282.	-95.	180.	0.09	1.	17.	32.	64.
29113	STM141	COAL-A	0.	-0.443	0.	0.734	0.17	614.	-893.	-22.	1016.	-155.	173.	0.27	41.	0.	25.	68.
29113	STM141	COAL-A	0.	-0.513	0.	0.850	0.19	605.	-935.	-26.	1067.	-95.	180.	0.29	62.	17.	21.	71.
29113	STM088	RESIDU	0.	-0.345	0.	0.572	0.13	-121.	-138.	-17.	172.	353.	23.	0.14	85.	0.	22.	21.
29113	STM088	COAL-F	0.	-0.345	0.	0.572	0.13	-121.	-834.	-17.	198.	-239.	162.	0.03	-13.	0.	38.	58.
29113	STM088	COAL-A	0.	-0.345	0.	0.572	0.13	627.	-834.	-17.	946.	-239.	162.	0.23	31.	0.	30.	63.
29113	PFBSTM	COAL-P	0.	-0.464	0.	0.713	0.17	731.	-906.	47.	1133.	-168.	242.	0.31	17.	0.	33.	61.
29113	PFBSTM	COAL-P	0.	-0.951	0.	1.460	0.26	791.	-1198.	95.	1590.	215.	364.	0.43	106.	116.	24.	72.
29113	TISTMT	RESIDU	0.	-0.456	0.	0.721	0.17	-160.	-182.	-23.	216.	448.	29.	0.18	-61.	0.	48.	3.
29113	TISTMT	RESIDU	0.	-1.278	0.	2.020	0.31	-447.	-511.	-64.	604.	1254.	80.	0.33	-194.	199.	50.	-22.
29113	TISTMT	COAL	0.	-0.456	0.	0.721	0.17	-160.	-901.	-23.	243.	-163.	172.	0.07	-161.	0.	67.	42.
29113	TISTMT	COAL	0.	-1.278	0.	2.020	0.31	-447.	-1394.	-64.	637.	504.	257.	0.24	-342.	199.	57.	22.
29113	TIHRSG	RESIDU	0.	-0.768	0.	0.409	0.09	-269.	-307.	-38.	104.	313.	1.	0.11	-178.	0.	82.	-22.
29113	TIHRSG	RESIDU	0.	-1.262	0.	0.671	0.13	-442.	-505.	-63.	171.	515.	1.	0.15	-289.	71.	82.	-47.
29113	TIHRSG	COAL	0.	-0.768	0.	0.409	0.09	-269.	-1088.	-38.	133.	-350.	157.	-0.02	-305.	0.	103.	16.
29113	TIHPSG	COAL	0.	-1.262	0.	0.671	0.13	-442.	-1384.	-63.	204.	-233.	177.	0.03	-437.	71.	93.	-4.
29113	STIRL	DISTIL	0.	-0.682	0.	0.494	0.11	219.	179.	92.	621.	917.	287.	0.48	24.	0.	42.	-24.
29113	STIRL	DISTIL	0.	-2.151	0.	1.559	0.23	-119.	-234.	67.	1099.	1889.	412.	0.55	124.	238.	38.	-50.
29113	STIRL	RESIDU	0.	-0.682	0.	0.494	0.11	-239.	-273.	-79.	135.	350.	-36.	0.12	24.	0.	37.	7.
29113	STIRL	RESIDU	0.	-2.151	0.	1.559	0.23	-753.	-861.	-248.	425.	1104.	-114.	0.23	123.	238.	33.	-7.

ISE PEO AES COGENERATION TECHNOLOGY ALTERNATIVES STUDY
FUEL UNITS = REPORT 6.1 FUEL AND EMISSIONS SAVINGS (SAVINGS ARE ..
EMISSION UNITS= TIME 1990 LEVEL ALL
COST =$*10**9 TYPE MATCH=POWR

PROCS	ECS	ECS FUEL	*****FUEL SAVINGS**** ****DIRECT**** OIL+GAS	DIRECT COAL	-----TOTAL---- OIL+GAS	TOTAL COAL	FESR	- - EMISSIONS SAVINGS - - - -------DIRECT------- NOX	DIRECT SOX	DIRECT PART	********TOTAL******** NOX	TOTAL SOX	TOTAL PART	EMSR	CAPITL SAVING	--ELECTRIC POWER--- TOTAL EXPORT MWH	COST	LAEC SAVED
29113	STIRL	COAL	0.	-0.682	0.	0.494	0.11	-239.	-1036.	-34.	163.	-299.	161.	0.01	-104.	0.	59.	45.
29113	STIRL	COAL	0.	-2.151	0.	1.559	0.23	-753.	-1918.	-108.	464.	205.	237.	0.15	-116.	238.	42.	38.
29113	HEGT60	COAL-A	0.	-1.155	0.	0.022	0.01	451.	-1320.	-58.	853.	-582.	137.	0.11	-95.	0.	66.	35.
29113	HEGT60	COAL-A	0.	-12.104	0.	0.230	0.01	-1659.	-7889.	-605.	2323.	-1050.	250.	0.11	-133.	1046.	46.	-101.
29113	HEGT00	COAL-A	0.	-0.965	0.	0.212	0.05	444.	-1206.	-48.	846.	-469.	147.	0.14	-65.	0.	56.	43.
29113	HEGT00	COAL-A	0.	-2.577	0.	0.565	0.09	61.	-2173.	-129.	1095.	-361.	183.	0.16	-28.	164.	43.	32.
29113	FCMCCL	COAL	0.	-0.553	0.	0.624	0.14	240.	-216.	31.	642.	522.	226.	0.36	-81.	0.	54.	47.
29113	FCMCCL	COAL	0.	-2.526	0.	2.852	0.34	1094.	1251.	143.	2648.	4286.	586.	1.00	184.	394.	26.	72.
29113	FCSTCL	COAL	0.	-0.528	0.	0.649	0.15	170.	-334.	22.	573.	403.	217.	0.31	-78.	0.	53.	48.
29113	FCSTCL	COAL	0.	-3.387	0.	4.165	0.39	1091.	1251.	140.	3547.	5475.	713.	1.00	306.	598.	23.	90.
29113	IGGTST	COAL	0.	-0.672	0.	0.505	0.12	-235.	-1030.	29.	167.	-292.	224.	0.03	-64.	0.	50.	50.
29113	IGGTST	COAL	0.	-2.940	0.	2.212	0.27	-1029.	-2391.	126.	652.	521.	557.	0.23	112.	373.	28.	68.
29113	GTSOAR	RESIDU	-0.704	0.	-0.704	1.177	0.11	-259.	-265.	-6.	119.	379.	64.	0.21	62.	0.	29.	11.
29113	GTSOAR	RESIDU	-3.706	0.	-3.706	6.200	0.27	-1365.	-1395.	-30.	629.	1995.	337.	0.41	393.	471.	26.	-2.
29113	GTAC08	RESIDU	0.	-0.548	0.	0.629	0.15	-541.	-219.	-64.	-166.	408.	-17.	0.06	76.	0.	22.	19.
29113	GTAC08	RESIDU	0.	-2.030	0.	2.328	0.31	-2002.	-812.	-238.	-615.	1510.	-62.	0.12	311.	298.	20.	29.
29113	GTAC12	RESIDU	0.	-0.562	0.	0.615	0.14	-505.	-225.	-61.	-131.	402.	-14.	0.07	72.	0.	23.	18.
29113	GTAC12	RESIDU	0.	-2.620	0.	2.865	0.33	-2356.	-1048.	-284.	-611.	1873.	-64.	0.15	372.	404.	21.	28.
29113	GTAC16	RESIDU	0.	-0.587	0.	0.590	0.14	-497.	-235.	-60.	-123.	391.	-14.	0.07	66.	0.	25.	16.
29113	GTAC16	RESIDU	0.	-3.178	0.	3.194	0.34	-2691.	-1271.	-326.	-664.	2118.	-76.	0.16	411.	487.	23.	22.
29113	GTWC16	RESIDU	0.	-0.625	0.	0.552	0.13	-518.	-250.	-63.	-144.	375.	-18.	0.06	70.	0.	26.	15.
29113	GTWC16	RESIDU	0.	-3.437	0.	3.032	0.32	-2846.	-1375.	-346.	-790.	2060.	-101.	0.13	453.	496.	22.	19.
29113	CC1626	RESIDU	0.	-0.639	0.	0.538	0.12	-460.	-256.	-59.	-106.	369.	-5.	0.06	69.	0.	26.	14.
29113	CC1626	RESIDU	0.	-5.194	0.	4.376	0.34	-3900.	-2078.	-480.	-860.	3000.	[illegible]	0.17	652.	787.	23.	12.
29113	CC1622	RESIDU	0.	-0.612	0.	0.565	0.13	-474.	-245.	-58.	-100.	381.	-13.	0.07	66.	0.	26.	15.
29113	CC1622	RESIDU	0.	-4.466	0.	4.126	0.35	-3463.	-1786.	-425.	-733.	2779.	-95.	0.18	551.	695.	24.	15.
29113	CC1222	RESIDU	0.	-0.606	0.	0.571	0.13	-472.	-243.	-58.	-98.	383.	-12.	0.07	68.	0.	25.	15.
29113	CC1222	RESIDU	0.	-4.397	0.	4.138	0.35	-3422.	-1759.	-419.	-709.	2777.	-90.	0.19	566.	690.	23.	19.
29113	CC0822	RESIDU	0.	-0.565	0.	0.612	0.14	-476.	-226.	-58.	-102.	401.	-11.	0.08	71.	0.	24.	17.
29113	CC0822	RESIDU	0.	-3.231	0.	3.501	0.35	-2722.	-1292.	-330.	-581.	2292.	-61.	0.18	468.	521.	21.	30.
29113	DEHTPM	RESIDU	0.	-0.661	0.	0.516	0.12	-1034.	-264.	-69.	-660.	359.	-25.	-0.08	-1.	0.	42.	4.
29113	DEHTPM	RESIDU	0.	-3.063	0.	2.389	0.28	-4791.	-1225.	-317.	-3060.	1665.	-117.	-0.19	74.	401.	38.	-28.
29113	GTSOAD	DISTIL	-0.601	0.	-0.601	1.177	0.13	-241.	-98.	0.	133.	528.	46.	0.37	74.	0.	28.	-14.
29113	GTSOAD	DISTIL	-2.737	0.	-2.737	5.358	0.31	-1096.	-445.	0.	607.	2403.	208.	0.55	387.	392.	25.	-24.
29113	GTRA08	DISTIL	0.	-0.701	0.	0.476	0.11	36.	174.	92.	438.	912.	287.	0.43	58.	0.	35.	-21.
29113	GTRA08	DISTIL	0.	-6.215	0.	4.216	0.31	-2643.	-1378.	-2.	737.	4421.	741.	0.47	623.	868.	32.	-96.
29113	GTRA12	DISTIL	0.	-0.676	0.	0.501	0.12	42.	181.	92.	444.	919.	287.	0.43	62.	0.	33.	-19.
29113	GTRA12	DISTIL	0.	-5.643	0.	4.177	0.32	-2414.	-1217.	8.	769.	4248.	714.	0.48	586.	811.	31.	-81.
29113	GTRA16	DISTIL	0.	-0.665	0.	0.511	0.12	40.	184.	92.	442.	922.	287.	0.43	60.	0.	33.	-19.
29113	GTRA16	DISTIL	0.	-5.043	0.	3.876	0.32	-2174.	-1043.	18.	719.	3924.	671.	0.48	516.	726.	31.	-73.
29113	GTR208	DISTIL	0.	-0.657	0.	0.520	0.12	25.	186.	92.	427.	924.	287.	0.43	62.	0.	32.	-18.
29113	GTR208	DISTIL	0.	-3.966	0.	3.135	0.31	-1743.	-745.	36.	565.	3233.	582.	0.47	450.	556.	29.	-53.
29113	GTR212	DISTIL	0.	-0.657	0.	0.520	0.12	31.	186.	92.	433.	924.	287.	0.43	65.	0.	32.	-18.
29113	GTR212	DISTIL	0.	-4.258	0.	3.366	0.31	-1850.	-827.	31.	616.	3437.	608.	0.47	475.	605.	30.	-57.
29113	GTR216	DISTIL	0.	-0.648	0.	0.529	0.12	37.	189.	92.	439.	927.	288.	0.43	62.	0.	32.	-18.
29113	GTR216	DISTIL	0.	-4.324	0.	3.531	0.32	-1887.	-846.	30.	664.	3545.	620.	0.48	471.	626.	30.	-58.

ISE PEG AES COGENERATION TECHNOLOGY ALTERNATIVES STUDY
FUEL UNITS = REPORT 6.1 FUEL AND EMISSIONS SAVINGS (SAVINGS ARE
EMISSION UNITS= TIME 1953 LEVEL ALL
COST =$*10**9 TYPE MATCH=POWR

PROCS	ECS	ECS FUEL	*****FUEL SAVINGS**** DIRECT OIL+GAS	DIRECT COAL	TOTAL OIL+GAS	TOTAL COAL	----EMISSIONS SAVINGS FESR	DIRECT NOX	DIRECT SOX	DIRECT PART	TOTAL NOX	TOTAL SOX	TOTAL PART	EMSR	CAPITL SAVING	ELECTRIC POWER TOTAL EXPORT MWH	COST	LAEC SAVED
29113	GTRW08	DISTIL	0.	-0.770	0.	0.407	0.09	17.	155.	90.	419.	392.	285.	0.42	64.	0.	36.	-23.
29113	GTRW08	DISTIL	0.	-7.978	0.	4.212	0.27	-3348.	-1674.	-32.	597.	4686.	815.	0.45	787.	1033.	33.	-134.
29113	GTRW12	DISTIL	0.	-0.727	0.	0.450	0.10	33.	167.	91.	435.	905.	286.	0.42	64.	0.	34.	-21.
29113	GTRW12	DISTIL	0.	-7.407	0.	4.585	0.30	-3120.	-1714.	-22.	762.	4939.	813.	0.47	782.	1014.	31.	-112.
29113	GTRW16	DISTIL	0.	-0.713	0.	0.464	0.11	33.	171.	91.	435.	909.	286.	0.42	61.	0.	35.	-21.
29113	GTRW16	DISTIL	0.	-6.527	0.	4.252	0.31	-2768.	-1466.	-8.	724.	4523.	756.	0.47	695.	901.	31.	-96.
29113	GTR308	DISTIL	0.	-0.807	0.	0.369	0.09	-16.	144.	90.	386.	882.	285.	0.40	70.	0.	36.	-24.
29113	GTR308	DISTIL	0.	-6.213	0.	2.843	0.23	-2642.	-1377.	-2.	295.	3669.	659.	0.41	606.	739.	34.	-112.
29113	GTR312	DISTIL	0.	-0.689	0.	0.487	0.11	30.	177.	92.	433.	915.	287.	0.43	68.	0.	32.	-19.
29113	GTR312	DISTIL	0.	-5.249	0.	3.711	0.31	-2256.	-1106.	14.	650.	3868.	670.	0.47	597.	730.	30.	-71.
29113	GTR316	DISTIL	0.	-0.692	0.	0.485	0.11	28.	177.	92.	430.	914.	287.	0.42	67.	0.	33.	-19.
29113	GTR316	DISTIL	0.	-5.174	0.	3.628	0.30	-2227.	-1085.	15.	629.	3823.	682.	0.47	575.	715.	30.	-73.
29113	FCPADS	DISTIL	0.	-0.793	0.	0.384	0.09	229.	427.	107.	631.	1165.	302.	0.55	21.	0.	57.	-42.
29113	FCPADS	DISTIL	0.	-12.540	0.	6.074	0.28	-1959.	1254.	157.	4053.	11520.	1384.	0.85	677.	1635.	52.	-478.
29113	FCMCDS	DISTIL	0.	-0.664	0.	0.513	0.12	-256.	441.	94.	146.	1178.	289.	0.42	16.	0.	53.	-35.
29113	FCMCDS	DISTIL	0.	-8.302	0.	6.423	0.36	-7538.	1237.	-15.	-2777.	9384.	932.	0.46	472.	1271.	48.	-304.
29	FCMCDS	DISTIL	-12.048	********	-12.048	230.081	8.84	********	-91142.	-5118.	49847.	197232.	33060.	0.38	19173.	34293.	10331.	-1638.
33121	STM141	RESIDU	0.	-0.008	0.	0.013	0.03	-3.	-3.	-0.	4.	8.	1.	0.03	1.	0.	62.	0.
33121	STM141	COAL-F	0.	-0.008	0.	0.013	0.03	-3.	-19.	-0.	5.	-6.	4.	0.01	-5.	0.	52.	0.
33121	STM141	COAL-A	0.	-0.008	0.	0.013	0.03	15.	-19.	-0.	22.	-6.	4.	0.04	-2.	0.	51.	1.
33121	STM088	RESIDU	0.	-0.004	0.	0.007	0.01	-2.	-2.	-0.	2.	4.	0.	0.02	0.	0.	63.	0.
33121	STM088	COAL-F	0.	-0.004	0.	0.007	0.01	-2.	-17.	-0.	3.	-9.	3.	-0.01	-5.	0.	52.	0.
33121	STM088	COAL-A	0.	-0.004	0.	0.007	0.01	15.	-17.	-0.	19.	-9.	3.	0.03	-3.	0.	51.	1.
33121	PFBSTM	COAL-P	0.	-0.018	0.	0.027	0.05	19.	26.	2.	34.	1.	8.	0.09	-5.	0.	52.	1.
33121	TISTMT	RESIDU	0.	-0.025	0.	0.039	0.08	-9.	-10.	-1.	12.	24.	2.	0.08	-19.	0.	72.	-2.
33121	TISTMT	COAL	0.	-0.025	0.	0.039	0.08	-9.	-30.	-1.	12.	8.	5.	0.06	-28.	0.	64.	-2.
33121	TIHRSG	RESIDU	0.	-0.028	0.	0.017	0.03	-10.	-11.	-1.	4.	12.	0.	0.04	-21.	0.	75.	-3.
33121	TIHRSG	COAL	0.	-0.028	0.	0.017	0.03	-10.	-31.	-1.	5.	-5.	4.	0.01	-30.	0.	66.	-3.
33121	STIRL	DISTIL	0.	-0.052	0.	0.038	0.08	-3.	-6.	2.	26.	46.	10.	0.18	3.	0.	66.	-1.
33121	STIRL	RESIDU	0.	-0.052	0.	0.038	0.08	-18.	-21.	-6.	11.	27.	-3.	0.08	3.	0.	59.	0.
33121	STIRL	COAL	0.	-0.052	0.	0.038	0.08	-18.	-46.	-3.	11.	6.	6.	0.05	-4.	0.	50.	1.
33121	HEGT60	COAL-A	0.	-0.235	0.	0.015	0.03	-30.	-156.	-12.	51.	-17.	6.	0.09	-30.	0.	67.	-3.
33121	HEGT00	COAL-A	0.	-0.059	0.	0.014	0.03	2.	-50.	-3.	26.	-8.	4.	0.05	-15.	0.	58.	-1.
33121	FCMCCL	COAL	0.	-0.059	0.	0.067	0.13	26.	29.	3.	67.	100.	14.	0.39	-13.	0.	55.	0.
33121	FCSTCL	COAL	0.	-0.072	0.	0.088	0.17	26.	29.	3.	78.	119.	16.	0.46	-13.	0.	54.	1.
33121	IGGTST	COAL	0.	-0.062	0.	0.044	0.09	-22.	-52.	3.	13.	8.	12.	0.07	-12.	0.	55.	-0.
33121	GTS0AR	RESIDU	-0.084	0.	-0.084	0.142	0.12	-31.	-31.	-1.	15.	46.	8.	0.16	8.	0.	54.	1.
33121	GTAC08	RESIDU	0.	-0.047	0.	0.054	0.11	-47.	-19.	-6.	-14.	35.	-1.	0.04	7.	0.	55.	1.
33121	GTAC12	RESIDU	0.	-0.061	0.	0.067	0.13	-55.	-25.	-7.	-14.	44.	-1.	0.06	8.	0.	53.	2.
33121	GTAC16	RESIDU	0.	-0.074	0.	0.075	0.15	-63.	-29.	-8.	-15.	49.	-2.	0.07	9.	0.	52.	2.
33121	GTWC16	RESIDU	0.	-0.080	0.	0.071	0.14	-67.	-32.	-8.	-18.	48.	-2.	0.06	9.	0.	52.	2.
33121	CC1626	RESIDU	0.	-0.112	0.	0.092	0.18	-86.	-45.	-11.	-21.	63.	-3.	0.09	13.	0.	49.	2.
33121	CC1622	RESIDU	0.	-0.096	0.	0.087	0.17	-76.	-39.	-9.	-18.	59.	-2.	0.08	11.	0.	50.	2.
33121	CC1222	RESIDU	0.	-0.095	0.	0.087	0.17	-75.	-38.	-9.	-17.	58.	-2.	0.08	12.	0.	50.	2.
33121	CC0822	RESIDU	0.	-0.069	0.	0.072	0.14	-60.	-27.	-7.	-15.	48.	-2.	0.07	9.	0.	53.	2.
33121	DEADV3	RESIDU	0.	-0.293	0.	0.132	0.26	-322.	-117.	-24.	-188.	106.	-11.	-0.20	11.	0.	46.	-0.

ISE PEG AES COGENERATION TECHNOLOGY ALTERNATIVES STUDY
FUEL UNITS = REPORT 6.1 FUEL AND EMISSIONS SAVINGS (SAVINGS ARE
EMISSION UNITS= TIME 1990 LEVEL ALL
COST =$*10**9 TYPE MATCH=HEAT

PROCS	ECS	ECS FUEL	****FUEL SAVINGS**** DIRECT OIL+GAS	DIRECT COAL	TOTAL OIL+GAS	TOTAL COAL	FESR	EMISSIONS SAVINGS DIRECT NOX	DIRECT SOX	DIRECT PART	TOTAL NOX	TOTAL SOX	TOTAL PART	EMSR	CAPITL SAVING	ELECTRIC POWER TOTAL EXPORT MWH	COST	LAEC SAVED
33121	DEHTPM	RESIDU	0.	-0.072	0.	0.061	0.12	-112.	-29.	-7.	-70.	42.	-2.	-0.07	2.	0.	58.	0.
33121	DESOA3	DISTIL	-0.319	0.	-0.319	0.429	0.22	-714.	-36.	1.	-579.	186.	10.	-0.88	1.	0.	60.	-6.
33121	DESOA3	DISTIL	-0.384	0.	-0.384	0.516	0.22	-861.	-47.	1.	-698.	222.	13.	-0.90	2.	8.	59.	-8.
33121	DESOA3	RESIDU	-0.319	0.	-0.319	0.429	0.22	-1532.	-120.	-3.	-1394.	114.	23.	-2.90	1.	0.	54.	-3.
33121	DESOA3	RESIDU	-0.384	0.	-0.384	0.516	0.22	-1843.	-145.	-3.	-1678.	138.	27.	-2.94	2.	8.	54.	-4.
33121	GTSOAD	DISTIL	-0.064	0.	-0.064	0.125	0.12	-26.	-10.	0.	14.	56.	5.	0.18	9.	0.	60.	0.
33121	GTRA08	DISTIL	0.	-0.136	0.	0.098	0.19	-58.	-30.	0.	18.	100.	17.	0.29	14.	0.	53.	0.
33121	GTRA12	DISTIL	0.	-0.125	0.	0.097	0.19	-54.	-27.	0.	18.	97.	16.	0.29	13.	0.	54.	0.
33121	GTRA16	DISTIL	0.	-0.113	0.	0.090	0.18	-40.	-23.	0.	17.	90.	15.	0.27	11.	0.	56.	0.
33121	GTR208	DISTIL	0.	-0.090	0.	0.073	0.15	-40.	-17.	1.	13.	75.	13.	0.22	10.	0.	58.	0.
33121	GTR212	DISTIL	0.	-0.097	0.	0.079	0.16	-42.	-19.	1.	15.	80.	14.	0.23	10.	0.	58.	0.
33121	GTR216	DISTIL	0.	-0.098	0.	0.082	0.16	-43.	-19.	1.	16.	82.	14.	0.24	10.	0.	57.	0.
33121	GTRW08	DISTIL	0.	-0.177	0.	0.098	0.19	-75.	-41.	-1.	14.	111.	19.	0.31	17.	0.	52.	-0
33121	GTRW12	DISTIL	0.	-0.166	0.	0.106	0.21	-70.	-38.	-0.	18.	113.	19.	0.32	17.	0.	51.	-0.
33121	GTRW16	DISTIL	0.	-0.148	0.	0.099	0.20	-63.	-33.	-0.	17.	104.	17.	0.30	15.	0.	53.	-0.
33121	GTR308	DISTIL	0.	-0.140	0.	0.087	0.13	-60.	-31.	0.	7.	84.	15.	0.23	13.	0.	57.	-1.
33121	GTR312	DISTIL	0.	-0.121	0.	0.087	0.17	-52.	-25.	0.	15.	90.	16.	0.26	13.	0.	55.	0.
33121	GTR316	DISTIL	0.	-0.119	0.	0.085	0.17	-51.	-25.	0.	15.	89.	15.	0.26	12.	0.	56.	-0.
33121	FCPADS	DISTIL	0.	-0.289	0.	0.140	0.23	-45.	29.	4.	93.	266.	32.	0.85	15.	0.	59.	-7.
33121	FCPADS	DISTIL	0.	-0.293	0.	0.142	0.28	-46.	29.	4.	95.	270.	32.	0.85	16.	1.	59.	-7.
33121	FCMCDS	DISTIL	0.	-0.194	0.	0.150	0.30	-176.	29.	-0.	-65.	219.	23.	0.38	11.	0.	58.	-4.
33251	STM141	RESIDU	0.	-0.080	0.	0.132	0.06	-28.	-32.	-4.	40.	81.	5.	0.06	22.	0.	59.	4.
33251	STM141	COAL-F	0.	-0.060	0.	0.132	0.06	-28.	-121.	-4.	43.	6.	23.	0.03	-8.	0.	49.	6.
33251	STM141	COAL-A	0.	-0.080	0.	0.132	0.06	68.	-121.	-4.	138.	6.	23.	0.08	12.	0.	47.	9.
33251	STM088	RESIDU	0.	-0.044	0.	0.072	0.03	-15.	-17.	-2.	22.	45.	3.	0.03	15.	0.	61.	3.
33251	STM088	COAL-F	0.	-0.044	0.	0.072	0.03	-15.	-99.	-2.	25.	-25.	19.	0.01	-14.	0.	51.	4.
33251	STM088	COAL-A	0.	-0.044	0.	0.072	0.03	72.	-99.	-2.	112.	-25.	19.	0.05	3.	0.	49.	6.
33251	PFBSTM	COAL-P	0.	-0.180	0.	0.265	0.11	87.	-181.	10.	233.	74.	51.	0.16	18.	0.	46.	11.
33251	TISTMT	RESIDU	0.	-0.125	0.	0.196	0.08	-44.	-50.	-6.	59.	122.	8.	0.09	-47.	0.	66.	-5.
33251	TISTMT	COAL	0.	-0.246	0.	0.387	0.16	-86.	-221.	-12.	120.	137.	40.	0.14	-110.	0.	60.	-2.
33251	TIHRSG	RESIDU	0.	-0.139	0.	0.082	0.03	-49.	-56.	-7.	21.	61.	1.	0.04	-57.	0.	70.	-8.
33251	TIHRSG	COAL	0.	-0.274	0.	0.162	0.07	-96.	-237.	-14.	47.	12.	27.	0.04	-131.	0.	65.	-10.
33251	STIRL	DISTIL	0.	-0.257	0.	0.191	0.08	-16.	-29.	8.	131.	227.	49.	0.19	15.	0.	66.	-3.
33251	STIRL	RESIDU	0.	-0.257	0.	0.191	0.08	-90.	-103.	-20.	52.	135.	-4.	0.08	15.	0.	59.	2.
33251	STIRL	COAL	0.	-0.508	0.	0.377	0.16	-173.	-378.	-25.	110.	11.	42.	0.12	-38.	0.	51.	7.
33251	HEGT60	COAL-A	0.	-1.884	0.	0.117	0.05	-274.	-1203.	-94.	372.	-96.	39.	0.14	-25.	0.	52.	1.
33251	HEGT80	COAL-A	0.	-2.304	0.	0.143	0.05	-357.	-1455.	-115.	433.	-106.	44.	0.14	-72.	42.	56.	-11.
33251	HEGT00	COAL-A	0.	-0.579	0.	0.135	0.06	-44.	-420.	-29.	189.	-19.	28.	0.09	-24.	0.	51.	3.
33251	FCMCCL	COAL	0.	-0.932	0.	0.299	0.13	127.	145.	15.	526.	829.	102.	0.67	8.	0.	47.	8.
33251	FCSTCL	COAL	0.	-1.065	0.	0.505	0.21	127.	145.	15.	635.	1015.	122.	0.81	27.	0.	43.	15.
33251	IGGTST	COAL	0.	-0.966	0.	0.076	0.03	-338.	-652.	12.	-0.	-72.	83.	0.01	5.	0.	48.	7.
33251	GTSOAR	RESIDU	-0.415	0.	-0.415	0.706	0.12	-105.	-156.	-3.	122.	230.	38.	0.19	54.	0.	52.	7.
33251	GTAC08	RESIDU	0.	-0.236	0.	0.270	0.11	-144.	-94.	-18.	17.	175.	2.	0.09	42.	0.	54.	7.
33251	GTAC12	RESIDU	0.	-0.305	0.	0.333	0.14	-185.	-122.	-24.	18.	218.	2.	0.11	51.	0.	52.	9.
33251	GTAC16	RESIDU	0.	-0.366	0.	0.371	0.16	-222.	-146.	-28.	12.	246.	1.	0.12	56.	0.	50.	9.
33251	GTWC16	RESIDU	0.	-0.400	0.	0.352	0.15	-242.	-160.	-31.	-3.	239.	-2.	0.11	61.	0.	50.	9.

ISE PEO AES COGENERATION TECHNOLOGY ALTERNATIVES STUDY
FUEL UNITS = REPORT 6.1 FUEL AND EMISSIONS SAVINGS (SAVINGS ARE
EMISSION UNITS= TIME 1990 LEVEL ALL
COST =$*10**9 TYPE MATCH=PWR

PROCS	ECS	ECS FUEL	****FUEL SAVINGS**** DIRECT	TOTAL	FESR	----EMISSIONS SAVINGS---- DIRECT NOX	SOX	PART	TOTAL NOX	SOX	PART	ENSR	CAPITL SAVING	ELECTRIC POWER TOTAL EXPORT MWH	COST	LAEC SAVED
33251	CC1626	RESIDU	0.	-1.452	0.	0.548	0.23	-962.	-581.	-121.	-329.	470.	-60.	0.04	168.	0.	32.	11.
33251	CC1626	RESIDU	0.	-0.559	0.	0.458	0.19	-338.	-224.	-43.	-15.	316.	-5.	0.14	83.	0.	45.	12.
33251	CC1622	RESIDU	0.	-0.479	0.	0.431	0.18	-290.	-192.	-37.	-1.	292.	-2.	0.13	70.	0.	47.	11.
33251	CC1222	RESIDU	0.	-0.471	0.	0.431	0.18	-285.	-188.	-36.	2.	291.	-2.	0.13	72.	0.	47.	11.
33251	CC0822	RESIDU	0.	-0.342	0.	0.361	0.15	-207.	-137.	-26.	16.	237.	2.	0.12	59.	0.	50.	10.
33251	DEADV3	RESIDU	0.	-1.380	0.	0.621	0.26	-1305.	-552.	-105.	-672.	501.	-42.	-0.10	56.	0.	45.	-1.
33251	DEADV3	RESIDU	0.	-1.453	0.	0.654	0.26	-1386.	-581.	-111.	-719.	528.	-45.	-0.10	59.	10.	45.	-2.
33251	DEHTPM	RESIDU	0.	-0.358	0.	0.301	0.13	-346.	-143.	-28.	-136.	206.	-3.	0.03	7.	0.	58.	1.
33251	DESOA3	DISTIL	-1.489	0.	-1.489	2.000	0.22	-2666.	-164.	3.	-2036.	874.	47.	-0.55	10.	0.	59.	-26.
33251	DESOA3	DISTIL	-1.907	0.	-1.907	2.562	0.22	-3610.	-232.	3.	-2803.	1101.	64.	-0.64	14.	53.	59.	-40.
33251	DESOA3	RESIDU	-1.489	0.	-1.489	2.000	0.22	-5752.	-561.	-12.	-5109.	533.	107.	-2.19	10.	0.	53.	-11.
33251	DESOA3	RESIDU	-1.907	0.	-1.907	2.562	0.22	-7760.	-718.	-15.	-6936.	683.	136.	-2.39	14.	53.	53.	-21.
33251	GTSOAD	DISTIL	-0.317	0.	-0.317	0.621	0.13	-65.	-51.	0.	133.	279.	24.	0.22	53.	0.	58.	3.
33251	GTRA08	DISTIL	0.	-1.429	0.	0.571	0.24	-574.	-359.	-12.	72.	746.	121.	0.43	146.	0.	40.	-5.
33251	GTRA08	DISTIL	0.	-0.678	0.	0.485	0.20	-229.	-148.	0.	148.	499.	84.	0.34	81.	0.	51.	2.
33251	GTRA12	DISTIL	0.	-1.424	0.	0.576	0.24	-578.	-358.	-12.	69.	747.	121.	0.43	146.	0.	40.	-5.
33251	GTRA12	DISTIL	0.	-0.623	0.	0.481	0.20	-207.	-132.	1.	151.	483.	81.	0.33	77.	0.	51.	3.
33251	GTRA16	DISTIL	0.	-0.562	0.	0.448	0.19	-183.	-115.	2.	145.	448.	77.	0.31	67.	0.	53.	2.
33251	GTR208	DISTIL	0.	-0.448	0.	0.364	0.15	-137.	-83.	4.	127.	372.	67.	0.26	63.	0.	56.	2.
33251	GTR212	DISTIL	0.	-0.481	0.	0.391	0.17	-150.	-92.	4.	133.	395.	70.	0.27	66.	0.	55.	3.
33251	GTR216	DISTIL	0.	-0.487	0.	0.409	0.17	-153.	-94.	4.	136.	407.	71.	0.28	66.	0.	54.	3.
33251	GTRW08	DISTIL	0.	-1.459	0.	0.541	0.23	-570.	-368.	-13.	76.	737.	120.	0.43	160.	0.	39.	-5.
33251	GTRW08	DISTIL	0.	-0.881	0.	0.485	0.21	-310.	-205.	-3.	132.	553.	92.	0.36	103.	0.	48.	-0.
33251	GTRW12	DISTIL	0.	-1.394	0.	0.606	0.26	-545.	-349.	-12.	101.	756.	121.	0.45	160.	0.	38.	-2.
33251	GTRW12	DISTIL	0.	-0.827	0.	0.526	0.22	-289.	-190.	-2.	150.	552.	93.	0.37	102.	0.	47.	2.
33251	GTRW16	DISTIL	0.	-1.429	0.	0.571	0.24	-568.	-359.	-12.	78.	746.	121.	0.43	158.	0.	39.	-4.
33251	GTRW16	DISTIL	0.	-0.736	0.	0.491	0.21	-252.	-164.	-0.	145.	518.	87.	0.34	97.	0.	49.	3.
33251	GTR308	DISTIL	0.	-1.701	0.	0.300	0.13	-697.	-436.	-17.	-51.	669.	116.	0.34	165.	0.	44.	-15.
33251	GTR308	DISTIL	0.	-0.694	0.	0.331	0.14	-235.	-152.	0.	97.	419.	75.	0.27	83.	0.	54.	-2.
33251	GTR312	DISTIL	0.	-1.507	0.	0.493	0.21	-619.	-381.	-14.	27.	724.	119.	0.40	166.	0.	39.	-6.
33251	GTR312	DISTIL	0.	-0.601	0.	0.431	0.18	-196.	-126.	2.	136.	449.	77.	0.30	84.	0.	52.	3.
33251	GTR316	DISTIL	0.	-1.524	0.	0.476	0.20	-628.	-386.	-14.	19.	719.	119.	0.39	164.	0.	40.	-7.
33251	GTR316	DISTIL	0.	-0.593	0.	0.421	0.18	-195.	-124.	2.	134.	442.	77.	0.30	81.	0.	52.	2.
33251	FCPADS	DISTIL	0.	-1.348	0.	0.653	0.23	-220.	38.	12.	427.	1143.	145.	0.79	77.	0.	58.	-31.
33251	FCPADS	DISTIL	0.	-1.457	0.	0.706	0.28	-240.	46.	12.	458.	1239.	155.	0.80	83.	15.	58.	-36.
33251	FCMCDS	DISTIL	0.	-1.189	0.	0.811	0.34	-892.	61.	-6.	-245.	1166.	127.	0.48	66.	0.	55.	-24.
33251	FCMCDS	DISTIL	0.	-0.954	0.	0.746	0.32	-689.	44.	-2.	-136.	991.	113.	0.44	56.	0.	57.	-19.
33254	STM141	RESIDU	0.	-0.008	0.	0.013	0.04	-3.	-3.	-0.	4.	8.	1.	0.04	1.	0.	62.	0.
33254	STM141	COAL-F	0.	-0.008	0.	0.013	0.04	-3.	-19.	-0.	5.	-5.	4.	0.01	-5.	0.	53.	0.
33254	STM141	COAL-A	0.	-0.008	0.	0.013	0.04	14.	-19.	-0.	22.	-5.	4.	0.05	-2.	0.	51.	1.
33254	STM088	RESIDU	0.	-0.004	0.	0.007	0.02	-2.	-2.	-0.	2.	4.	0.	0.02	0.	0.	63.	0.
33254	STM088	COAL-F	0.	-0.004	0.	0.007	0.02	-2.	-17.	-0.	3.	-9.	3.	-0.01	-5.	0.	54.	0.
33254	STM088	COAL-A	0.	-0.004	0.	0.007	0.02	15.	-17.	-0.	19.	-9.	3.	0.04	-3.	0.	52.	1.
33254	PFBSTN	COAL-P	0.	-0.018	0.	0.026	0.07	18.	-25.	2.	33.	1.	8.	0.13	-5.	0.	53.	1.
33254	TISTMT	RESIDU	0.	-0.025	0.	0.038	0.11	-9.	-10.	-1.	12.	24.	2.	0.11	-19.	0.	76.	-2.
33254	TISTMT	COAL	0.	-0.025	0.	0.038	0.11	-9.	-29.	-1.	12.	8.	5.	0.08	-27.	0.	72.	-2.

ISE PEG AES COGENERATION TECHNOLOGY ALTERNATIVES STUDY
FUEL UNITS = REPORT 6.1 FUEL AND EMISSIONS SAVINGS (SAVINGS ARE)
EMISSION UNITS= TIME 1990 LEVEL ALL
COST =$*10**9 TYPE MATCH=HEAT

PROCS	ECS	ECS FUEL	*****FUEL SAVINGS*****DIRECT		TOTAL		FESR	EMISSIONS SAVINGS DIRECT			TOTAL			EMSR	CAPITL SAVING	ELECTRIC POWER TOTAL EXPORT MWH	COST	LAEC SAVED
			OIL+GAS	COAL	OIL+GAS	COAL		NOX	SOX	PART	NOX	SOX	PART					
33254	TIHRSG	RESIDU	0.	-0.027	0.	0.016	0.05	-10.	-11.	-1.	4.	12.	0.	0.05	-21.	0.	80.	-3.
33254	TIHRSG	COAL	0.	-0.027	0.	0.016	0.05	-10.	-31.	-1.	5.	-5.	4.	0.01	-29.	0.	74.	-3.
33254	STIRL	DISTIL	0.	-0.051	0.	0.038	0.11	-3.	-5.	2.	26.	45.	10.	0.24	3.	0.	63.	-1.
33254	STIRL	RESIDU	0.	-0.051	0.	0.038	0.11	-18.	-20.	-6.	10.	26.	-3.	0.10	3.	0.	56.	0.
33254	STIRL	COAL	0.	-0.051	0.	0.038	0.11	-18.	-45.	-3.	11.	6.	6.	0.07	-4.	0.	51.	1.
33254	HEGT60	COAL-A	0.	-0.230	0.	0.014	0.04	-30.	-152.	-11.	49.	-17.	6.	0.12	-29.	0.	75.	-3.
33254	HEGT00	COAL-A	0.	-0.058	0.	0.013	0.04	2.	-49.	-3.	25.	-8.	4.	0.07	-15.	0.	62.	-1.
33254	FCMCCL	COAL	0.	-0.058	0.	0.065	0.18	25.	29.	3.	65.	98.	13.	0.54	-13.	0.	57.	0.
33254	FCSTCL	COAL	0.	-0.071	0.	0.086	0.24	25.	29.	3.	76.	116.	15.	0.63	-13.	0.	56.	0.
33254	IGGTST	COAL	0.	-0.061	0.	0.043	0.12	-21.	-51.	3.	13.	8.	12.	0.10	-12.	0.	58.	-0.
33254	GTSCAR	RESIDU	-0.082	0.	-0.082	0.139	0.16	-30.	-31.	-1.	14.	45.	8.	0.22	8.	0.	49.	1.
33254	GTAC08	RESIDU	0.	-0.045	0.	0.053	0.15	-46.	-19.	-5.	-14.	35.	-1.	0.06	7.	0.	51.	1.
33254	GTAC12	RESIDU	0.	-0.060	0.	0.066	0.18	-54.	-24.	-6.	-14.	43.	-1.	0.08	8.	0.	48.	2.
33254	GTAC16	RESIDU	0.	-0.072	0.	0.073	0.20	-61.	-29.	-7.	-15.	48.	-2.	0.10	9.	0.	47.	2.
33254	GTWC16	RESIDU	0.	-0.079	0.	0.069	0.19	-65.	-31.	-8.	-18.	47.	-2.	0.08	9.	0.	47.	1.
33254	CC1626	RESIDU	0.	-0.110	0.	0.090	0.25	-84.	-44.	-10.	-20.	62.	-3.	0.12	13.	0.	42.	2.
33254	CC1622	RESIDU	0.	-0.094	0.	0.085	0.24	-75.	-38.	-9.	-18.	57.	-2.	0.11	11.	0.	44.	2.
33254	CC1222	RESIDU	0.	-0.093	0.	0.085	0.24	-74.	-37.	-9.	-17.	57.	-2.	0.12	12.	0.	43.	2.
33254	CC0822	RESIDU	0.	-0.067	0.	0.071	0.20	-58.	-27.	-7.	-14.	47.	-2.	0.09	9.	0.	48.	2.
33254	DEADV3	RESIDU	0.	-0.197	0.	0.089	0.25	-217.	-79.	-16.	-126.	72.	-7.	-0.19	6.	0.	48.	-1.
33254	DEADV3	RESIDU	0.	-0.286	0.	0.129	0.26	-315.	-115.	-24.	-184.	104.	-11.	-0.20	11.	12.	46.	-2.
33254	DEITPM	RESIDU	0.	-0.070	0.	0.059	0.17	-110.	-28.	-7.	-69.	41.	-2.	-0.09	2.	0.	55.	0.
33254	DESOA3	DISTIL	-0.213	0.	-0.213	0.286	0.20	-474.	-19.	1.	-384.	129.	6.	-0.83	-0.	0.	61.	-4.
33254	DESOA3	DISTIL	-0.376	0.	-0.376	0.505	0.22	-842.	-46.	1.	-683.	217.	13.	-0.90	2.	21.	60.	-10.
33254	DESOA3	RESIDU	-0.213	0.	-0.213	0.286	0.20	-1021.	-80.	-2.	-929.	76.	15.	-2.79	-0.	0.	55.	-2.
33254	DESOA3	RESIDU	-0.376	0.	-0.376	0.505	0.22	-1904.	-141.	-3.	-1641.	135.	27.	-2.94	2.	21.	54.	-6.
33254	GTSOAD	DISTIL	-0.062	0.	-0.062	0.122	0.17	-25.	-10.	0.	14.	55.	5.	0.26	9.	0.	55.	0.
33254	GTRA08	DISTIL	0.	-0.134	0.	0.095	0.27	-57.	-29.	0.	17.	98.	17.	0.40	14.	0.	45.	0.
33254	GTRA12	DISTIL	0.	-0.123	0.	0.095	0.27	-53.	-26	0.	18.	95.	16.	0.39	13.	0.	46.	0.
33254	GTRA16	DISTIL	0.	-0.111	0.	0.068	0.25	-48.	-23.	0.	17.	88.	15.	0.37	11.	0.	49.	0.
33254	GTR208	DISTIL	0.	-0.088	0.	0.072	0.20	-39.	-16.	1.	13.	73.	13.	0.30	10.	0.	52.	0.
33254	GTR212	DISTIL	0.	-0.095	0.	0.077	0.22	-41.	-18.	1.	14.	78.	14.	0.32	10.	0.	51.	0.
33254	GTR216	DISTIL	0.	-0.096	0.	0.081	0.23	-42.	-19.	1.	15.	80.	14.	0.33	10.	0.	51.	0.
33254	GTRW08	DISTIL	0.	-0.174	0.	0.095	0.27	-73.	-40.	-1.	14.	109.	18.	0.43	17.	0.	42.	-0.
33254	GTRW12	DISTIL	0.	-0.163	0.	0.104	0.29	-69.	-37.	-0.	18.	111.	18.	0.45	17.	0.	41.	-0.
33254	GTRW16	DISTIL	0.	-0.145	0.	0.097	0.27	-62.	-32.	-0.	17.	102.	17.	0.41	14.	0.	44.	-0.
33254	GTR308	DISTIL	0.	-0.137	0.	0.065	0.18	-58.	-30.	0.	7.	83.	15.	0.32	13.	0.	50.	-1.
33254	GTR312	DISTIL	0.	-0.118	0.	0.085	0.24	-51.	-25.	0.	15.	88.	15.	0.36	13.	0.	47.	0.
33254	GTR316	DISTIL	0.	-0.117	0.	0.083	0.23	-50.	-24.	0.	14.	87.	15.	0.36	12.	0.	48.	-0.
33254	FCPADS	DISTIL	0.	-0.193	0.	0.093	0.26	-27.	22.	3.	65.	180.	23.	0.82	9.	0.	60.	-5.
33254	FCPADS	DISTIL	0.	-0.287	0.	0.139	0.28	-45.	29.	4.	93.	264.	32.	0.85	16.	13.	59.	-9.
33254	FCMCDS	DISTIL	0.	-0.161	0.	0.125	0.35	-145.	25.	0.	-52.	184.	20.	0.46	8.	0.	55.	-3.
33254	FCMCDS	DISTIL	0.	-0.190	0.	0.147	0.36	-172.	28.	-0.	-64.	215.	22.	0.46	11.	5.	54.	-4.
33314	STM141	RESIDU	0.	-0.007	0.	0.011	0.09	-2.	-3.	-0.	3.	7.	0.	0.10	0.	0.	56.	0.
33314	STM141	COAL-F	0.	-0.007	0.	0.011	0.09	-2.	-11.	-0.	4.	-0.	2.	0.05	-3.	0.	54.	0.
33314	STM141	COAL-A	0.	-0.007	0.	0.011	0.09	7.	-11.	-0.	13.	-0.	2.	0.13	-2.	0.	51.	0.

ISE PEG AES COGENERATION TECHNOLOGY ALTERNATIVES STUDY
FUEL UNITS = REPORT 6.1 FUEL AND EMISSIONS SAVINGS (SAVINGS ARE
EMISSION UNITS= TIME 1990 LEVEL ALL
COST =$*10**9 TYPE MATCH=HEAT

PROCS	ECS	ECS FUEL	FUEL SAVINGS DIRECT OIL+GAS	DIRECT COAL	TOTAL OIL+GAS	TOTAL COAL	FESR	EMISSIONS SAVINGS DIRECT NOX	DIRECT SOX	DIRECT PART	TOTAL NOX	TOTAL SOX	TOTAL PART	EMSR	CAPITL SAVING	ELECTRIC POWER TOTAL EXPORT MWH	ELECTRIC POWER COST	ELEC LAEC SAVED
33314	STM088	RESIDU	0.	-0.005	0.	0.008	0.06	-2.	-2.	-0.	2.	5.	0.	0.07	0.	0.	57.	0.
33314	STM088	COAL-F	0.	-0.005	0.	0.008	0.06	-2.	-10.	-0.	3.	-2.	2.	0.02	-3.	0.	55.	0.
33314	STM088	COAL-A	0.	-0.005	0.	0.008	0.06	7.	-10.	-0.	11.	-2.	2.	0.10	-2.	0.	52.	0.
33314	PFBSTM	COAL-P	0.	-0.012	0.	0.018	0.15	9.	-14.	1.	19.	3.	4.	0.24	-4.	0.	56.	0.
33314	TISTMT	RESIDU	0.	-0.015	0.	0.025	0.21	-5.	-6.	-1.	7.	15.	1.	0.22	-11.	0.	85.	-1.
33314	TISTMT	COAL	0.	-0.015	0.	0.025	0.21	-5.	-16.	-1.	8.	6.	3.	0.16	-16.	0.	92.	-1.
33314	TIHRSG	RESIDU	0.	-0.011	0.	0.009	0.08	-4.	-5.	-1.	3.	6.	0.	0.09	-11.	0.	91.	-1.
33314	TIHRSG	COAL	0.	-0.011	0.	0.009	0.08	-4.	-14.	-1.	3.	-2.	2.	0.03	-16.	0.	93.	-1.
33314	STIRL	DISTIL	0.	-0.028	0.	0.022	0.19	-2.	-4.	1.	14.	25.	5.	0.41	2.	0.	50.	-0.
33314	STIRL	RESIDU	0.	-0.028	0.	0.022	0.19	-10.	-11.	-3.	6.	16.	-1.	0.19	2.	0.	45.	0.
33314	STIRL	COAL	0.	-0.028	0.	0.022	0.19	-10.	-24.	-1.	7.	5.	3.	0.13	-1.	0.	47.	1.
33314	HEGT85	COAL-A	0.	-0.070	0.	0.012	0.10	-6.	-49.	-4.	21.	-3.	3.	0.19	-19.	0.	106.	-2.
33314	HEGT85	COAL-A	0.	-0.215	0.	0.037	0.13	-33.	-136.	-11.	48.	3.	6.	0.21	-30.	16.	74.	-5.
33314	HEGT60	COAL-A	0.	-0.066	0.	0.016	0.13	-6.	-47.	-3.	21.	-1.	3.	0.21	-16.	0.	93.	-1.
33314	HEGT60	COAL-A	0.	-0.068	0.	0.016	0.13	-6.	-48.	-3.	21.	-1.	3.	0.21	-16.	0.	90.	-1.
33314	HEGT00	COAL-A	0.	-0.026	0.	0.008	0.07	1.	-23.	-1.	13.	-3.	2.	0.11	-9.	0.	72.	-1.
33314	FCMCCL	COAL	0.	-0.029	0.	0.033	0.28	13.	14.	2.	32.	49.	7.	0.82	-9.	0.	67.	-0.
33314	FCSTCL	COAL	0.	-0.037	0.	0.045	0.38	11.	13.	1.	38.	59.	8.	0.97	-10.	0.	70.	-0.
33314	FCSTCL	COAL	0.	-0.040	0.	0.049	0.39	13.	14.	2.	42.	64.	8.	1.00	-9.	1.	64.	-0.
33314	IGGIST	COAL	0.	-0.035	0.	0.027	0.23	-12.	-28.	1.	8.	7.	7.	0.20	-9.	0.	69.	-0.
33314	GTS0AR	RESIDU	-0.036	0.	-0.036	0.065	0.25	-14.	-14.	-0.	7.	22.	4.	0.35	3.	0.	40.	1.
33314	GTAC08	RESIDU	0.	-0.023	0.	0.027	0.23	-23.	-9.	-3.	-7.	17.	-1.	0.09	2.	0.	41.	1.
33314	GTAC12	RESIDU	0.	-0.030	0.	0.033	0.28	-27.	-12.	-3.	-7.	21.	-1.	0.13	3.	0.	36.	1.
33314	GTAC16	RESIDU	0.	-0.035	0.	0.037	0.31	-30.	-14.	-4.	-7.	24.	-1.	0.15	3.	0.	34.	1.
33314	GTAC16	RESIDU	0.	-0.039	0.	0.035	0.29	-33.	-16.	-4.	-9.	24.	-1.	0.12	3.	0.	35.	1.
33314	CC1626	RESIDU	0.	-0.044	0.	0.038	0.32	-33.	-18.	-4.	-7.	26.	-1.	0.17	3.	0.	38.	0.
33314	CC1626	RESIDU	0.	-0.061	0.	0.052	0.35	-46.	-24.	-6.	-10.	36.	-1.	0.18	5.	3.	33.	0.
33314	CC1622	RESIDU	0.	-0.042	0.	0.040	0.34	-33.	-17.	-4.	-7.	27.	-1.	0.18	3.	0.	36.	1.
33314	CC1622	RESIDU	0.	-0.053	0.	0.049	0.36	-40.	-21.	-5.	-8.	33.	-1.	0.19	5.	2.	32.	1.
33314	CC1222	RESIDU	0.	-0.042	0.	0.040	0.34	-33.	-17.	-4.	-6.	27.	-1.	0.18	4.	0.	35.	1.
33314	CC1222	RESIDU	0.	-0.052	0.	0.049	0.36	-40.	-21.	-5.	-8.	33.	-1.	0.19	5.	2.	31.	1.
33314	CC0822	RESIDU	0.	-0.038	0.	0.042	0.35	-32.	-15.	-4.	-6.	27.	-1.	0.19	4.	0.	32.	1.
33314	STIG15	RESIDU	0.	-0.058	0.	0.014	0.12	-41.	-27.	-2.	-15.	16.	0.	0.01	2.	0.	50.	-1.
33314	STIG15	RESIDU	0.	-2.309	0.	0.483	0.17	-1394.	-924.	-69.	-513.	534.	4.	0.01	177.	254.	39.	-38.
33314	STIG10	RESIDU	0.	-0.062	0.	0.020	0.17	-40.	-25.	-2.	-14.	18.	1.	0.05	3.	0.	45.	-0.
33314	STIG10	RESIDU	0.	-0.194	0.	0.064	0.22	-125.	-78.	-5.	-44.	58.	2.	0.06	15.	17.	39.	-2.
33314	STIG1S	RESIDU	0.	-0.059	0.	0.023	0.20	-40.	-24.	-1.	-14.	20.	1.	0.06	3.	0.	43.	-0.
33314	STIG1S	RESIDU	0.	-0.109	0.	0.043	0.23	-74.	-43.	-3.	-26.	36.	2.	0.07	8.	7.	37.	-1.
33314	DEADV3	RESIDU	0.	-0.054	0.	0.028	0.24	-61.	-21.	-5.	-35.	22.	-2.	-0.14	0.	0.	49.	-0.
33314	DEADV3	RESIDU	0.	-0.112	0.	0.059	0.29	-128.	-45.	-10.	-74.	46.	-4.	-0.17	4.	8.	42.	-1.
33314	DEHTPM	RESIDU	0.	-0.035	0.	0.038	0.32	-55.	-14.	-4.	-32.	25.	-1.	-0.07	1.	0.	43.	0.
33314	DES0A3	DISTIL	-0.058	0.	-0.058	0.082	0.20	-135.	-2.	0.	-109.	40.	1.	-0.72	-0.	0.	59.	-1.
33314	DES0A3	DISTIL	-0.142	0.	-0.142	0.200	0.25	-333.	-15.	0.	-270.	69.	5.	-0.87	1.	11.	55.	-4.
33314	DES0A3	RESIDU	-0.058	0.	-0.058	0.082	0.20	-293.	-22.	-0.	-267.	23.	4.	-2.55	-0.	0.	53.	-0.
33314	DES0A3	RESIDU	-0.142	0.	-0.142	0.200	0.25	-714.	-53.	-1.	-650.	56.	11.	-2.87	1.	11.	49.	-2.
33314	GTS0AD	DISTIL	-0.030	0.	-0.030	0.060	0.26	-12.	-5.	0.	7.	27.	2.	0.43	3.	0.	42.	0.

ISE PED AES COGENERATION TECHNOLOGY ALTERNATIVES STUDY
FUEL UNITS = REPORT 6.1 FUEL AND EMISSIONS SAVINGS (SAVINGS ARE
EMISSION UNITS= TIME 1990 LEVEL ALL
COST =$*10**9 TYPE MATCH=POWR

PROCS	ECS	ECS FUEL	****FUEL SAVINGS**** DIRECT OIL+GAS	DIRECT COAL	TOTAL OIL+GAS	TOTAL COAL	FESR	EMISSIONS SAVINGS DIRECT NOX	DIRECT SOX	DIRECT PART	TOTAL NOX	TOTAL SOX	TOTAL PART	EMSR	CAPITL SAVING	ELECTRIC POWER TOTAL EXPORT MWH	ELECTRIC POWER COST	ELECTRIC POWER LAEC SAVED
33314	GTRA08	DISTIL	0.	-0.044	0.	0.038	0.32	-18.	-8.	0.	8.	38.	7.	0.49	3.	0.	42.	-0.
33314	GTRA08	DISTIL	0.	-0.055	0.	0.046	0.34	-24.	-11.	0.	9.	45.	8.	0.49	4.	2.	38.	-0.
33314	GTRA12	DISTIL	0.	-0.043	0.	0.039	0.33	-18.	-8.	0.	9.	38.	7.	0.49	3.	0.	41.	-0.
33314	GTRA12	DISTIL	0.	-0.052	0.	0.046	0.35	-23.	-10.	0.	9.	44.	8.	0.50	4.	2.	38.	-0.
33314	GTRA16	DISTIL	0.	-0.043	0.	0.039	0.33	-18.	-8.	0.	8.	38.	7.	0.49	2.	0.	41.	-0.
33314	GTRA16	DISTIL	0.	-0.048	0.	0.043	0.34	-21.	-9.	0.	9.	42.	7.	0.50	3.	1.	39.	-0.
33314	GTR208	DISTIL	0.	-0.040	0.	0.036	0.30	-18.	-7.	1.	7.	36.	6.	0.45	3.	0.	39.	0.
33314	GTR212	DISTIL	0.	-0.040	0.	0.038	0.32	-19.	-8.	0.	7.	38.	7.	0.46	3.	0.	38.	0.
33314	GTR216	DISTIL	0.	-0.043	0.	0.039	0.33	-19.	-8.	0.	8.	38.	7.	0.49	3.	0.	39.	0.
33314	GTR216	DISTIL	0.	-0.043	0.	0.040	0.34	-19.	-8.	0.	8.	39.	7.	0.49	3.	0.	38.	0.
33314	GTRW08	DISTIL	0.	-0.050	0.	0.032	0.27	-20.	-10.	0.	7.	36.	7.	0.46	2.	0.	46.	-0.
33314	GTRW08	DISTIL	0.	-0.074	0.	0.046	0.30	-31.	-17.	-0.	8.	50.	8.	0.46	5.	4.	41.	-1.
33314	GTRW12	DISTIL	0.	-0.048	0.	0.034	0.29	-19.	-9.	0.	8.	37.	7.	0.47	2.	0.	44.	-0.
33314	GTRW12	DISTIL	0.	-0.071	0.	0.051	0.32	-30.	-16.	-0.	9	52.	9.	0.48	5.	4.	40.	-1.
33314	GTRW16	DISTIL	0.	-0.048	0.	0.035	0.29	-19.	-9.	0.	8.	37.	7.	0.47	2.	0.	45.	-0.
33314	GTRW16	DISTIL	0.	-0.065	0.	0.048	0.32	-28.	-14.	0.	9.	49.	8.	0.48	4.	3.	40.	-1.
33314	GTR308	DISTIL	0.	-0.053	0.	0.029	0.25	-22.	-11.	0.	4.	35.	7.	0.43	3.	0.	44.	-0.
33314	GTR308	DISTIL	0.	-0.059	0.	0.033	0.26	-25.	-12.	0.	4.	39.	7.	0.43	4.	1.	42.	-0.
33314	GTR312	DISTIL	0.	-0.047	0.	0.035	0.30	-20.	-9.	0.	7.	37.	7.	0.47	3.	0.	42.	-0.
33314	GTR312	DISTIL	0.	-0.056	0.	0.042	0.31	-24.	-12.	0.	8.	43.	7.	0.48	4.	2.	38.	-0.
33314	GTR316	DISTIL	0.	-0.047	0.	0.035	0.30	-20.	-9.	0.	7.	37.	7.	0.47	3.	0.	43.	-0.
33314	GTR316	DISTIL	0.	-0.055	0.	0.041	0.31	-24.	-11.	0.	7.	43.	7.	0.47	4.	1.	40.	-0.
33314	FCPADS	DISTIL	0.	-0.055	0.	0.027	0.23	-6.	8.	1.	21.	54.	8.	0.77	2.	0.	60.	-2.
33314	FCPADS	DISTIL	0.	-0.143	0.	0.069	0.28	-22.	14.	2.	46.	132.	16.	0.85	7.	12.	56.	-5.
33314	FCMCDS	DISTIL	0.	-0.046	0.	0.036	0.30	-40.	9.	1.	-13.	55.	7.	0.45	2.	0.	55.	-1.
33314	FCMCDS	DISTIL	0.	-0.095	0.	0.073	0.36	-86.	14.	-0.	-32.	107.	11.	0.46	5.	8.	51.	-3.
33315	STM141	RESIDU	0.	-0.010	0.	0.016	0.08	-3.	-4.	-0.	5.	10.	1.	0.08	1.	0.	56.	0.
33315	STM141	COAL-F	0.	-0.010	0.	0.016	0.08	-3.	-17.	-0.	5.	-1.	3.	0.04	-3.	0.	51.	0.
33315	STM141	COAL-A	0.	-0.010	0.	0.016	0.08	10.	-17.	-0.	19.	-1.	3.	0.11	-2.	0.	48.	1.
33315	STM088	RESIDU	0.	-0.007	0.	0.011	0.06	-2.	-3.	-0.	3.	7.	0.	0.06	1.	0.	58.	0.
33315	STM088	COAL-F	0.	-0.007	0.	0.011	0.06	-2.	-15.	-0.	4.	-3.	3.	0.02	-3.	0.	52.	0.
33315	STM088	COAL-A	0.	-0.007	0.	0.011	0.06	11.	-15.	-0.	17.	-3.	3.	0.09	-2.	0.	50.	1.
33315	PFBSTN	COAL-P	0.	-0.017	0.	0.027	0.13	13.	-21.	2.	28.	5.	6.	0.21	-4.	0.	51.	1.
33315	TISTMT	RESIDU	0.	-0.023	0.	0.037	0.18	-8.	-9.	-1.	11.	23.	1.	0.19	-15.	0.	77.	-2.
33315	TISTMT	COAL	0.	-0.023	0.	0.037	0.18	-8.	-25.	-1.	12.	10.	5.	0.14	-21.	0.	78.	-1.
33315	TIHRSG	RESIDU	0.	-0.017	0.	0.014	0.07	-6.	-7.	-1.	4.	10.	0.	0.07	-15.	0.	82.	-2.
33315	TIHRSG	COAL	0.	-0.017	0.	0.014	0.07	-6.	-21.	-1.	4.	-2.	3.	0.03	-21.	0.	80.	-2.
33315	STIRL	DISTIL	0.	-0.042	0.	0.033	0.16	-3.	-5.	1.	21.	37.	8.	0.36	3.	0.	54.	-0.
33315	STIRL	RESIDU	0.	-0.042	0.	0.033	0.16	-15.	-17.	-5.	9.	23.	-2.	0.16	3.	0.	48.	1.
33315	STIRL	COAL	0.	-0.042	0.	0.033	0.16	-15.	-36.	-2.	10.	7.	3.	0.11	-3.	0.	48.	1.
33315	HEGT85	COAL-A	0.	-0.129	0.	0.021	0.10	-13.	-88.	-6.	36.	-4.	5.	0.19	-27.	0.	90.	-3.
33315	HEGT85	COAL-A	0.	-0.333	0.	0.055	0.12	-51.	-211.	-17.	74.	3.	8.	0.21	-36.	22.	67.	-6.
33315	HEGT60	COAL-A	0.	-0.104	0.	0.024	0.12	-10.	-73.	-5.	32.	-2.	3.	0.18	-20.	0.	76.	-1.
33315	HEGT00	COAL-A	0.	-0.040	0.	0.012	0.06	2.	-35.	-2.	19.	-5.	3.	0.09	-11.	0.	64.	-0.
33315	FCMCCL	COAL	0.	-0.043	0.	0.049	0.24	19.	21.	2.	49.	73.	10.	0.71	-11.	0.	59.	0.
33315	FCSTCL	COAL	0.	-0.060	0.	0.074	0.36	19.	21.	2.	62.	96.	12.	0.91	-11.	0.	57.	1.

ISE PEG AES COGENERATION TECHNOLOGY ALTERNATIVES STUDY
FUEL UNITS = REPORT 6.1 FUEL AND EMISSIONS SAVINGS (SAVINGS ARE
EMISSION UNITS= TIME 1990 LEVEL ALL
COST =$*10**9 TYPE MATCH=HEAT

PROCS	ECS	ECS FUEL	****FUEL SAVINGS**** DIRECT OIL+GAS	DIRECT COAL	TOTAL OIL+GAS	TOTAL COAL	EMISSIONS SAVINGS FESR	DIRECT NOX	DIRECT SOX	DIRECT PART	TOTAL NOX	TOTAL SOX	TOTAL PART	EMSR	CAPITL SAVING	ELECTRIC POWER TOTAL EXPORT MWH	ELECTRIC POWER COST	ELECTRIC POWER LAEC SAVED
33315	IGGTST	COAL	0.	-0.052	0.	0.040	0.20	-18.	-42.	2.	12.	10.	10.	0.17	-19.	0.	59.	0.
33315	GTSOAR	RESIDU	-0.054	0.	-0.054	0.098	0.21	-21.	-20.	-0.	10.	33.	5.	0.29	4.	0.	43.	1.
33315	GTAC08	RESIDU	0.	-0.035	0.	0.040	0.20	-34.	-14.	-4.	-11.	26.	-1.	0.08	4.	0.	44.	1.
33315	GTAC12	RESIDU	0.	-0.045	0.	0.049	0.24	-40.	-18.	-5.	-10.	32.	-1.	0.11	5.	0.	40.	1.
33315	GTAC16	RESIDU	0.	-0.052	0.	0.055	0.27	-45.	-21.	-5.	-11.	36.	-1.	0.13	3.	0.	38.	1.
33315	GTWC16	RESIDU	0.	-0.059	0.	0.052	0.25	-49.	-24.	-6.	-14.	35.	-2.	0.11	5.	0.	39.	1.
33315	CC1626	RESIDU	0.	-0.081	0.	0.069	0.34	-61.	-33.	-7.	-13.	47.	-2.	0.17	7.	0.	34.	1.
33315	CC1626	RESIDU	0.	-0.091	0.	0.078	0.35	-68.	-37.	-8.	-15.	53.	-2.	0.18	9.	2.	32.	1.
33315	CC1622	RESIDU	0.	-0.078	0.	0.072	0.36	-60.	-31.	-7.	-12.	49.	-2.	0.19	8.	0.	31.	1.
33315	CC1622	RESIDU	0.	-0.079	0.	0.073	0.36	-61.	-31.	-7.	-12.	49.	-2.	0.19	8.	0.	31.	1.
33315	CC1222	RESIDU	0.	-0.077	0.	0.073	0.36	-60.	-31.	-7.	-12.	49.	-2.	0.19	8.	0.	30.	2.
33315	CC1222	RESIDU	0.	-0.077	0.	0.073	0.36	-60.	-31.	-7.	-12.	49.	-2.	0.19	8.	0.	30.	2.
33315	CC0822	RESIDU	0.	-0.057	0.	0.062	0.31	-48.	-23.	-6.	-10.	41.	-1.	0.16	6.	0.	36.	1.
33315	STIG15	RESIDU	0.	-0.124	0.	0.026	0.13	-75.	-50.	-4.	-28.	29.	0.	0.01	6.	0.	46.	-1.
33315	STIG15	RESIDU	0.	-3.463	0.	0.724	0.17	-2091.	-1385.	-103.	-770.	801.	7.	0.01	269.	379.	38.	-56.
33315	STIG10	RESIDU	0.	-0.113	0.	0.037	0.18	-73.	-45.	-3.	-26.	34.	1.	0.05	7.	0.	42	-0.
33315	STIG10	RESIDU	0.	-0.291	0.	0.096	0.22	-188.	-117.	-8.	-66.	87.	4.	0.06	24.	22.	37.	-2.
33315	STIG1S	RESIDU	0.	-0.108	0.	0.042	0.21	-74.	-43.	-3.	-26.	36.	2.	0.06	7.	0.	39.	0.
33315	STIG1S	RESIDU	0.	-0.163	0.	0.064	0.23	-111.	-65.	-4.	-38.	54.	3.	0.07	13.	7.	36.	-0.
33315	DEADV3	RESIDU	0.	-0.098	0.	0.052	0.25	-112.	-39.	-8.	-65.	40.	-3.	-0.15	3.	0.	44	0.
33315	DEADV3	RESIDU	0.	-0.169	0.	0.089	0.29	-193.	-68.	-14.	-111.	69.	-6.	-0.17	6.	10.	42.	-1.
33315	DEHTPM	RESIDU	0.	-0.053	0.	0.056	0.27	-83.	-21.	-5.	-48.	37.	-1.	-0.06	2.	0.	44.	1.
33315	DESOA3	DISTIL	-0.106	0.	-0.106	0.150	0.21	-248.	-6.	0.	-201.	72.	3.	-0.76	-0.	0.	57.	-2.
33315	DESOA3	DISTIL	-0.214	0.	-0.214	0.302	0.25	-502.	-23.	0.	-407.	134.	8.	-0.87	1.	14.	55.	-5.
33315	DESOA3	RESIDU	-0.106	0.	-0.106	0.150	0.21	-537.	-40.	-1.	-488.	42.	8.	-2.64	-0.	0.	52.	-1.
33315	DESOA3	RESIDU	-0.214	0.	-0.214	0.302	0.25	-1077.	-60.	-2.	-960.	85.	16.	-2.87	1.	14.	49.	-3.
33315	GTSOAD	DISTIL	-0.045	0.	-0.045	0.091	0.22	-19.	-7.	0.	10.	41.	4.	0.36	5.	0.	46.	0.
33315	GTRA08	DISTIL	0.	-0.081	0.	0.069	0.34	-35.	-17.	0.	14.	67.	11.	0.49	7.	0.	37.	0.
33315	GTRA08	DISTIL	0.	-0.082	0.	0.070	0.34	-36.	-17.	0.	14.	68.	12.	0.49	7.	0.	37.	0.
33315	GTRA12	DISTIL	0.	-0.078	0.	0.069	0.34	-34.	-16.	0.	14.	67.	11.	0.49	7.	0.	37.	0.
33315	GTRA16	DISTIL	0.	-0.072	0.	0.065	0.32	-32.	-14.	1.	13.	63.	11.	0.46	6.	0.	40.	0.
33315	GTR200	DISTIL	0.	-0.060	0.	0.054	0.26	-27.	-10.	1.	10.	53.	10.	0.39	6.	0.	43.	0.
33315	GTR212	DISTIL	0.	-0.064	0.	0.057	0.28	-28.	-12.	1.	11.	57.	10.	0.42	6.	0.	42.	0.
33315	GTR216	DISTIL	0.	-0.065	0.	0.060	0.29	-29.	-12.	1.	12.	58.	10	0.43	5.	0.	42.	0.
33315	GTRW08	DISTIL	0.	-0.092	0.	0.058	0.28	-38.	-20.	0.	11.	64.	11.	0.46	6.	0.	42.	-0.
33315	GTRW08	DISTIL	0.	-0.111	0.	0.070	0.30	-47.	-25.	-0.	11.	76.	13.	0.46	9.	3.	39.	-1.
33315	GTRW12	DISTIL	0.	-0.088	0.	0.062	0.30	-36.	-18.	0.	12.	65.	11.	0.48	6.	0.	40.	-0.
33315	GTRW12	DISTIL	0.	-0.107	0.	0.076	0.32	-45.	-24.	-0.	14.	78.	13.	0.48	9.	3.	38.	-0.
33315	GTRW16	DISTIL	0.	-0.087	0.	0.063	0.31	-36.	-18.	0.	12.	66.	11.	0.48	6.	0.	40.	-0.
33315	GTRW16	DISTIL	0.	-0.098	0.	0.071	0.32	-42.	-21.	0.	13.	73.	12.	0.48	8.	2.	39.	-0.
33315	GTR308	DISTIL	0.	-0.089	0.	0.049	0.24	-38.	-19.	0.	7.	59.	11.	0.41	7.	0.	42.	-0.
33315	GTR312	DISTIL	0.	-0.084	0.	0.063	0.31	-36.	-17.	0.	11.	65.	11.	0.47	7.	0.	38.	0.
33315	GTR316	DISTIL	0.	-0.083	0.	0.062	0.30	-36.	-17.	0.	11.	64.	11.	0.46	7.	0.	39.	0.
33315	FCPADS	DISTIL	0.	-0.101	0.	0.049	0.24	-12.	14.	2.	36.	97.	13.	0.79	4.	0.	59.	-3.
33315	FCPADS	DISTIL	0.	-0.215	0.	0.104	0.28	-34.	22.	3.	70.	198.	24.	0.85	10.	16.	56.	-7.
33315	FCMCDS	DISTIL	0.	-0.085	0.	0.066	0.32	-74.	15.	1.	-26.	99.	12.	0.46	3.	0.	54.	-2.

ISE PEG AES COGENERATION TECHNOLOGY ALTERNATIVES STUDY
FUEL UNITS = REPORT 6.1 FUEL AND EMISSIONS SAVINGS (SAVINGS ARE
EMISSION UNITS= TIME 1990 LEVEL ALL
COST =$*10**9 TYPE MATCH=HEAT

PROCS	ECS	ECS FUEL	****DIRECT**** OIL+GAS	----TOTAL---- COAL	OIL+GAS	COAL	FESR	DIRECT NOX	DIRECT SOX	DIRECT PART	TOTAL NOX	TOTAL SOX	TOTAL PART	EMSR	CAPITL SAVING	ELECTRIC POWER TOTAL EXPORT MWH	COST	LAEC SAVED
33315	FCMCDS	DISTIL	0.	-0.142	0.	0.110	0.36	-129.	21.	-0.	-48.	161.	17.	0.46	7.	10.	52.	-4.
33316	STM141	RESIDU	0.	-0.010	0.	0.016	0.09	-3.	-4.	-0.	5.	10.	1.	0.09	1.	0.	55.	0.
33316	STM141	COAL-F	0.	-0.010	0.	0.016	0.09	-3.	-17.	-0.	5.	-1.	3.	0.05	-3.	0.	52.	0.
33316	STM141	COAL-A	0.	-0.010	0.	0.016	0.09	10.	-17.	-0.	19.	-1.	3.	0.13	-2.	0.	49.	1.
33316	STM088	RESIDU	0.	-0.007	0.	0.011	0.06	-2.	-3.	-0.	3.	7.	0.	0.06	1.	0.	57.	0.
33316	STM088	COAL-F	0.	-0.007	0.	0.011	0.06	-2.	-15.	-0.	4.	-3.	3.	0.02	-3.	0.	53.	0.
33316	STM088	COAL-A	0.	-0.007	0.	0.011	0.06	11.	-15.	-0.	17.	-3.	3.	0.10	-2.	0.	50.	1.
33316	PFBSTM	COAL-P	0.	-0.017	0.	0.027	0.15	13.	-21.	2.	28.	5.	6.	0.23	-4.	0.	52.	1.
33316	TISTMT	RESIDU	0.	-0.023	0.	0.037	0.20	-8.	-9.	-1.	11.	23.	1.	0.21	-15.	0.	79.	-2.
33316	TISTMT	COAL	0.	-0.023	0.	0.037	0.20	-8.	-25.	-1.	12.	10.	5.	0.15	-21.	0.	83.	-1.
33316	TIHRSG	RESIDU	0.	-0.017	0.	0.014	0.08	-6.	-7.	-1.	4.	10.	0.	0.08	-15.	0.	85.	-2.
33316	TIHRSG	COAL	0.	-0.017	0.	0.014	0.08	-6.	-21.	-1.	4.	-2.	3.	0.03	-21.	0.	86.	-2.
33316	STIRL	DISTIL	0.	-0.042	0.	0.033	0.18	-3.	-5.	1.	21.	37.	8.	0.40	3.	0.	52.	-0.
33316	STIRL	RESIDU	0.	-0.042	0.	0.033	0.18	-15.	-17.	-5.	9.	23.	-2.	0.18	3.	0.	46.	1.
33316	STIRL	COAL	0.	-0.042	0.	0.033	0.18	-15.	-36.	-2.	10.	7.	5.	0.13	-3.	0.	48.	1.
33316	HEGT85	COAL-A	0.	-0.112	0.	0.018	0.10	-10.	-78.	-6.	33.	-5.	4.	0.19	-25.	0.	94.	-2.
33316	HEGT85	COAL-A	0.	-0.333	0.	0.055	0.12	-51.	-211.	-17.	74.	3.	8.	0.21	-36.	24.	67.	-6.
33316	HEGT60	COAL-A	0.	-0.104	0.	0.024	0.13	-10.	-73.	-5.	32.	-2.	5.	0.21	-20.	0.	81.	-1.
33316	HEGT00	COAL-A	0.	-0.040	0.	0.012	0.06	2.	-35.	-2.	19.	-5.	3.	0.10	-11.	0.	67.	-0.
33316	FCMCCL	COAL	0.	-0.043	0.	0.049	0.27	19.	21.	2.	49.	73.	10.	0.79	-11.	0.	61.	0.
33316	FCSTCL	COAL	0.	-0.058	0.	0.072	0.39	18.	21.	2.	60.	93.	12.	0.99	-11.	0.	60.	0.
33316	FCSTCL	COAL	0.	-0.060	0.	0.074	0.39	19.	21.	2.	62.	96.	12.	1.00	-11.	0.	58.	1.
33316	IGGTST	COAL	0.	-0.052	0.	0.040	0.22	-18.	-42.	2.	12.	10.	10.	0.19	-10.	0.	61.	0.
33316	GTSOAR	RESIDU	-0.054	0.	-0.054	0.098	0.24	-21.	-20.	-0.	10.	33.	5.	0.33	4.	0.	40.	1.
33316	GTAC08	RESIDU	0.	-0.035	0.	0.040	0.22	-34.	-14.	-4.	-11.	26.	-1.	0.08	4.	0.	42.	1.
33316	GTAC12	RESIDU	0.	-0.045	0.	0.049	0.27	-40.	-18.	-5.	-10.	32.	-1.	0.12	5.	0.	37.	1.
33316	GTAC16	RESIDU	0.	-0.052	0.	0.055	0.30	-45.	-21.	-5.	-11.	36.	-1.	0.14	5.	0.	35.	1.
33316	GTWC16	RESIDU	0.	-0.059	0.	0.052	0.28	-49.	-24.	-6.	-14.	35.	-2.	0.12	5.	0.	36.	1.
33316	CC1626	RESIDU	0.	-0.070	0.	0.060	0.32	-53.	-28.	-6.	-11.	41.	-2.	0.17	6.	0.	35.	1.
33316	CC1626	RESIDU	0.	-0.091	0.	0.078	0.35	-68.	-37.	-8.	-15.	53.	-2.	0.18	9.	4.	32.	1.
33316	CC1622	RESIDU	0.	-0.067	0.	0.063	0.34	-52.	-27.	-6.	-11.	42.	-1.	0.18	6.	0.	33.	1.
33316	CC1622	RESIDU	0.	-0.079	0.	0.073	0.36	-61.	-31.	-7.	-12.	49.	-2.	0.19	8.	2.	31.	1.
33316	CC1222	RESIDU	0.	-0.067	0.	0.063	0.34	-52.	-27.	-6.	-10.	42.	-1.	0.18	6.	0.	32.	1.
33316	CC1222	RESIDU	0.	-0.077	0.	0.073	0.36	-60.	-31.	-7.	-12.	49.	-2.	0.19	8.	2.	30.	1.
33316	CC0822	RESIDU	0.	-0.057	0.	0.062	0.34	-48.	-23.	-6.	-10.	41.	-1.	0.18	6.	0.	32.	1.
33316	STIG15	RESIDU	0.	-0.108	0.	0.022	0.12	-65.	-43.	-3.	-24.	25.	0.	0.01	5.	0.	47.	-1.
33316	STIG15	RESIDU	0.	-3.463	0.	0.724	0.17	-2091.	-1385.	-103.	-770.	801.	7.	0.01	269.	381.	98.	-57.
33316	STIG10	RESIDU	0.	-0.098	0.	0.032	0.18	-63.	-39.	-3.	-22.	29.	1.	0.05	6.	0.	42.	-0.
33316	STIG10	RESIDU	0.	-0.291	0.	0.096	0.22	-188.	-117.	-8.	-66.	87.	4.	0.06	24.	24.	37.	-3.
33316	STIG1S	RESIDU	0.	-0.093	0.	0.037	0.20	-64.	-37.	-2.	-23.	31.	2.	0.06	6.	0.	40.	0.
33316	STIG1S	RESIDU	0.	-0.163	0.	0.064	0.23	-111.	-65.	-4.	-39.	54.	3.	0.07	13.	9.	36.	-1.
33316	DEADV3	RESIDU	0.	-0.085	0.	0.045	0.24	-97.	-34.	-7.	-56.	35.	-3.	-0.14	2.	0.	45.	-0.
33316	DEADV3	RESIDU	0.	-0.169	0.	0.089	0.29	-193.	-68.	-14.	-111.	69.	-6.	-0.17	6.	12.	42.	-1.
33316	DEHTFM	RESIDU	0.	-0.053	0.	0.056	0.31	-83.	-21.	-5.	-48.	37.	-1.	-0.07	2.	0.	41.	1.
33316	DESOA3	DISTIL	-0.092	0.	-0.092	0.130	0.21	-214.	-3.	0.	-173.	63.	2.	-0.73	-0.	0.	58.	-2.
33316	DESOA3	DISTIL	-0.214	0.	-0.214	0.302	0.25	-502.	-23.	0.	-407.	134.	8.	-0.87	1.	16.	55.	-5.

ISE PEG AES

COGENERATION TECHNOLOGY ALTERNATIVES STUDY

FUEL UNITS = REPORT 6.1 FUEL AND EMISSIONS SAVINGS (SAVINGS ARE

EMISSION UNITS= TIME 1990 LEVEL ALL

COST =$*10**9 TYPE MATCH=POWR

PROCS	ECS	ECS FUEL	*****FUEL SAVINGS***** DIRECT OIL+GAS	DIRECT COAL	TOTAL OIL+GAS	TOTAL COAL	FESR	---EMISSIONS SAVINGS--- DIRECT NOX	DIRECT SOX	DIRECT PART	TOTAL NOX	TOTAL SOX	TOTAL PART	EMSR	CAPITL SAVING	---ELECTRIC POWER--- TOTAL EXPORT MWH	COST	LAEC SAVED
33316	DESOA3	RESIDU	-0.092	0.	-0.092	0.130	0.21	-464.	-35.	-1.	-422.	36.	7.	-2.57	-0.	0.	52.	-1.
33316	DESOA3	RESIDU	-0.214	0.	-0.214	0.302	0.25	-1077.	-80.	-2.	-980.	85.	16.	-2.87	1.	16.	49.	-3.
33316	GTSOAD	DISTIL	-0.045	0.	-0.045	0.091	0.25	-19.	-7.	0.	10.	41.	4.	0.40	5.	0.	43.	0.
33316	GTRA08	DISTIL	0.	-0.070	0.	0.050	0.32	-30.	-13.	1.	13.	59.	10.	0.49	5.	0.	39.	-0.
33316	GTRA08	DISTIL	0.	-0.082	0.	0.070	0.34	-36.	-17.	0.	14.	68.	12.	0.49	7.	2.	37.	-0.
33316	GTRA12	DISTIL	0.	-0.069	0.	0.061	0.33	-29.	-13.	1.	13.	60.	10.	0.50	5.	0.	38.	0.
33316	GTRA12	DISTIL	0.	-0.078	0.	0.069	0.34	-34.	-16.	0.	14.	67.	11.	0.50	7.	2.	36.	0.
33316	GTRA16	DISTIL	0.	-0.068	0.	0.062	0.34	-30.	-13.	1.	13.	60.	10.	0.49	5.	0.	39.	0.
33316	GTRA16	DISTIL	0.	-0.072	0.	0.065	0.34	-32.	-14.	1.	13.	63.	11.	0.50	6.	1.	37.	0.
33316	GTR208	DISTIL	0.	-0.060	0.	0.054	0.29	-27.	-10.	1.	10.	53.	10.	0.44	6.	0.	39.	0.
33316	GTR212	DISTIL	0.	-0.064	0.	0.057	0.31	-28.	-12.	1.	11.	57.	10.	0.46	6.	0.	38.	0.
33316	GTR216	DISTIL	0.	-0.065	0.	0.060	0.33	-29.	-12.	1.	12.	58.	10.	0.48	5.	0.	37.	0.
33316	GTRW08	DISTIL	0.	-0.080	0.	0.050	0.27	-32.	-16.	0.	10.	57.	10.	0.46	5.	0.	43.	-1.
33316	GTRW08	DISTIL	0.	-0.111	0.	0.070	0.30	-47.	-25.	-0.	11.	76.	13.	0.46	9.	5.	39.	-1.
33316	GTRW12	DISTIL	0.	-0.076	0.	0.054	0.29	-30.	-15.	0.	12.	58.	10.	0.47	5.	0.	42.	-0.
33316	GTRW12	DISTIL	0.	-0.107	0.	0.075	0.32	-46.	-24.	-0.	14.	78.	13.	0.48	9.	5.	38.	-1.
33316	GTRW16	DISTIL	0.	-0.075	0.	0.055	0.30	-31.	-15.	0.	12.	58.	10.	0.48	5.	0.	42.	-0.
33316	GTRW16	DISTIL	0.	-0.098	0.	0.071	0.32	-42.	-21.	0.	13.	73.	12.	0.48	8.	4.	39.	-1.
33316	GTR308	DISTIL	0.	-0.084	0.	0.046	0.25	-36.	-17.	0.	7.	56.	10.	0.43	6.	0.	42.	-0.
33316	GTR308	DISTIL	0.	-0.089	0.	0.049	0.26	-38.	-19.	0.	7.	59.	11.	0.43	7.	1.	40.	-0.
33316	GTR312	DISTIL	0.	-0.074	0.	0.056	0.30	-31.	-15.	1.	11.	58.	10.	0.47	8.	0.	39.	-0.
33316	GTR312	DISTIL	0.	-0.084	0.	0.063	0.31	-36.	-17.	0.	11.	65.	11.	0.48	7.	2.	37.	-0.
33316	GTR316	DISTIL	0.	-0.075	0.	0.055	0.30	-32.	-15.	1.	11.	58.	10.	0.47	5.	0.	40.	-0.
33316	GTR316	DISTIL	0.	-0.083	0.	0.062	0.31	-36.	-17.	0.	11.	64.	11.	0.47	7.	1.	38.	-0.
33316	FCPADS	DISTIL	0.	-0.088	0.	0.042	0.23	-10.	13.	2.	32.	85.	12.	0.77	3.	0.	59.	-2.
33316	FCPADS	DISTIL	0.	-0.215	0.	0.104	0.28	-34.	22.	3.	70.	198.	24.	0.85	10.	18.	56.	-7.
33316	FCMCDS	DISTIL	0.	-0.073	0.	0.057	0.31	-63.	14.	1.	-21.	87.	11.	0.45	3.	0.	54.	-2.
33316	FCMCDS	DISTIL	0.	-0.142	0.	0.110	0.36	-129.	21.	-0.	-48.	161.	17.	0.46	7.	12.	52.	-4.
33	FCMCDS	DISTIL	-12.312	-73.143	-12.312	54.860	1.27	-68006.	-25902.	-1853.	-26886.	43855.	5385.	0.11	4157	1676.	19274.	-405.
ALL	FCMCDS	DISTIL	-74.369	*******	-74.369	771.823	14.96	*******	*******	-23343.	-46283.	649967.	94039.	0.29	69694.	123090.	216749.	-11941.

RESIDUAL-FIRED NOCOGENERATION PROCESS BOILER

6.1 - Fuel & Emissions Savings - Nationally

DATE 06/21/79 GENERAL ELECTRIC COMPANY PAGE 1

ISE PEG AES COGENERATION TECHNOLOGY ALTERNATIVES STUDY

FUEL UNITS = REPORT 6.1 FUEL AND EMISSIONS SAVINGS (SAVINGS ARE POSITIVE)

EMISSION UNITS= TIME 1990 LEVEL ALL

COST =$*10**9 TYPE MATCH=HEAT

PROCS	ECS	ECS FUEL	*****FUEL SAVINGS***** DIRECT OIL+GAS	TOTAL OIL+GAS	TOTAL COAL	FESR	---EMISSIONS SAVINGS--- DIRECT NOX	DIRECT SOX	DIRECT PART	TOTAL NOX	TOTAL SOX	TOTAL PART	EMSR	CAPITL SAVING	ELECTRIC POWER TOTAL EXPORT MWH	ELECTRIC POWER COST	ELECTRIC POWER LAEC SAVED
20	STM141	COAL-A	0.	-0.107	0.	0.177	0.43	58.	-132.	-5.	152.	34.	25.	0.37	-2204.	9.	-1488.	-421.
22	STM141	COAL-A	0.	-0.004	0.	0.007	0.14	4.	-7.	-0.	8.	0.	1.	0.32	1.	0.	4.	33.
24	STM141	COAL-A	0.	-0.018	0.	0.250	0.82	-2.	-11.	-1.	84.	135.	15.	0.79	-4431.	2.	-1288.	-675.
26	STM141	COAL-A	0.	-0.043	0.	0.071	0.13	26.	-55.	-2.	64.	12.	11.	0.34	444.	1.	247.	408.
28	STM141	COAL-A	0.	-0.182	0.	0.302	0.51	226.	-342.	-9.	390.	-42.	66.	0.27	748.	16.	756.	2131.
29	STM141	COAL-A	0.	-0.025	0.	0.041	0.10	30.	-46.	-1.	53.	-5.	9.	0.28	272.	1.	148.	343.
33	STM141	COAL-A	0.	-0.006	0.	0.010	0.01	6.	-10.	-0.	11.	-0.	2.	0.08	43.	0.	-17.	61.
ALL	STM141	COAL-A	0.	-0.454	0.	1.010	0.19	409.	-710.	-23.	896.	156.	151.	0.29	-6032.	36.	-1927.	2212.
20	STM141	COAL-F	0.	-0.107	0.	0.177	0.43	-37.	-132.	-5.	57.	34.	25.	0.20	-4383.	9.	-2139.	-850.
22	STM141	COAL-F	0.	-0.004	0.	0.007	0.14	-2.	-7.	-0.	2.	0.	1.	0.14	-74.	0.	-14.	22.
24	STM141	COAL-F	0.	-0.018	0.	0.250	0.82	-6.	-11.	-1.	80.	135.	15.	0.77	-6867.	2.	-1989.	-1128.
26	STM141	COAL-F	0.	-0.043	0.	0.071	0.13	-15.	-55.	-2.	23.	12.	11.	0.18	-70.	1.	130.	344.
28	STM141	COAL-F	0.	-0.182	0.	0.302	0.51	-64.	-342.	-9.	101.	-42.	66.	0.09	-1777.	16.	174.	1805.
29	STM141	COAL-F	0.	-0.025	0.	0.041	0.10	-9.	-46.	-1.	14.	-5.	9.	0.09	-33.	1.	81.	307.
33	STM141	COAL-F	0.	-0.006	0.	0.010	0.01	-2.	-10.	-0.	3.	-0.	2.	0.03	-102.	0.	-51.	42.
ALL	STM141	COAL-F	0.	-0.454	0.	1.010	0.19	-159.	-710.	-23.	328.	156.	151.	0.12	-15654.	36.	-4480.	639.
20	STM141	RESIDU	0.	-0.107	0.	0.177	0.43	-37.	-43.	-5.	53.	110.	7.	0.30	2473.	9.	-338.	-267.
22	STM141	RESIDU	0.	-0.004	0.	0.007	0.14	-2.	-2.	-0.	2.	5.	0.	0.24	79.	0.	21.	10.
24	STM141	RESIDU	0.	-0.018	0.	0.250	0.82	-6.	-7.	-1.	80.	139.	14.	0.78	604.	2.	50.	203.
26	STM141	RESIDU	0.	-0.043	0.	0.071	0.13	-15.	-17.	-2.	21.	44.	3.	0.27	838.	1.	297.	205.
28	STM141	RESIDU	0.	-0.182	0.	0.302	0.51	-64.	-73.	-9.	91.	136.	12.	0.19	3418.	16.	690.	639.
29	STM141	RESIDU	0.	-0.025	0.	0.041	0.10	-9.	-10.	-1.	12.	25.	2.	0.20	525.	1.	197.	125.
33	STM141	RESIDU	0.	-0.006	0.	0.010	0.01	-2.	-2.	-0.	3.	6.	0.	0.06	143.	0.	-188.	28.
ALL	STM141	RESIDU	0.	-0.454	0.	1.010	0.19	-159.	-181.	-23.	309.	605.	46.	0.22	9507.	36.	859.	1109.
20	STM088	COAL-A	0.	-0.093	0.	0.155	0.38	68.	-131.	-5.	150.	16.	25.	0.34	-2774.	6.	-1637.	-383.
22	STM088	COAL-A	0.	-0.004	0.	0.006	0.11	4.	-7.	-0.	8.	-1.	1.	0.28	-26.	0.	-5.	34.
24	STM088	COAL-A	0.	-0.005	0.	0.184	0.61	-0.	-3.	-0.	61.	100.	11.	0.58	-5080.	0.	-1555.	-836.
26	STM088	COAL-A	0.	-0.032	0.	0.054	0.10	28.	-50.	-2.	57.	2.	10.	0.28	232.	0.	157.	359.
28	STM088	COAL-A	0.	-0.086	0.	0.142	0.24	156.	-208.	-4.	235.	-60.	40.	0.22	-185.	6.	221.	1274.
29	STM088	COAL-A	0.	-0.017	0.	0.029	0.07	33.	-43.	-1.	49.	-13.	8.	0.22	150.	0.	90.	320.
33	STM088	COAL-A	0.	-0.004	0.	0.006	0.00	7.	-9.	-0.	10.	-3.	2.	0.06	-16.	0.	-45.	52.
ALL	STM088	COAL-A	0.	-0.262	0.	0.626	0.12	322.	-490.	-13.	621.	46.	106.	0.24	-8377.	13.	-3018.	892.
20	STM088	COAL-F	0.	-0.093	0.	0.155	0.38	-33.	-131.	-5.	50.	16.	25.	0.16	-4614.	6.	-2210.	-769.

ISE PEG AES COGENERATION TECHNOLOGY ALTERNATIVES STUDY

FUEL UNITS =
EMISSION UNITS=
COST =$*10**9

REPORT 6.1 FUEL AND EMISSIONS SAVINGS (SAVINGS ARE POSITIVE)
TIME 1990 LEVEL ALL
TYPE MATCH=HEAT

PROCS	ECS	ECS FUEL	FUEL SAVINGS DIRECT OIL+GAS	FUEL SAVINGS DIRECT COAL	FUEL SAVINGS TOTAL OIL+GAS	FUEL SAVINGS TOTAL COAL	FESR	EMISSIONS SAVINGS DIRECT NOX	EMISSIONS SAVINGS DIRECT SOX	EMISSIONS SAVINGS DIRECT PART	EMISSIONS SAVINGS TOTAL NOX	EMISSIONS SAVINGS TOTAL SOX	EMISSIONS SAVINGS TOTAL PART	EMSR	CAPITL SAVING	ELECTRIC POWER TOTAL EXPORT MWH	ELECTRIC POWER COST	ELECTRIC POWER LAEC SAVED
22	STM088	COAL-F	0.	-0.004	0.	0.006	0.11	-1.	-7.	-0.	2.	-1.	1.	0.09	-96.	0.	-22.	24.
24	STM088	COAL-F	0.	-0.005	0.	0.184	0.61	-2.	-3.	-0.	59.	10[illegible].	11.	0.58	-7042.	0.	-2145.	-1227.
26	STM088	COAL-F	0.	-0.032	0.	0.054	0.10	-11.	-50.	-2.	17.	2.	10.	0.12	-229.	0.	54.	303.
28	STM088	COAL-F	0.	-0.086	0.	0.142	0.24	-30.	-208.	-4.	49.	-60.	40.	0.05	-1597.	6.	-98.	1099.
29	STM088	COAL-F	0.	-0.017	0.	0.029	0.07	-6.	-43.	-1.	10.	-13.	8.	0.03	-132.	0.	30.	288.
33	STM088	COAL-F	0.	-0.004	0.	0.006	0.00	-1.	-9.	-0.	2.	-3.	2.	0.01	-162.	0.	-78.	33.
ALL	STM088	COAL-F	0.	-0.262	0.	0.626	0.12	-92.	-490.	-13.	206.	46.	106.	0.07	-15091.	13.	-4863.	-270.
20	STM088	RESIDU	0.	-0.093	0.	0.155	0.38	-33.	-37.	-5.	46.	96.	6.	0.26	2645.	6.	-307.	-153.
22	STM088	RESIDU	0.	-0.004	0.	0.006	0.11	-1.	-1.	-0.	2.	4.	0.	0.20	65.	0.	17.	10.
24	STM088	RESIDU	0.	-0.005	0.	0.184	0.61	-2.	-2.	-0.	59.	101.	11.	0.58	616.	0.	-124.	155.
26	STM088	RESIDU	0.	-0.032	0.	0.054	0.10	-11.	-13.	-2.	16.	33.	2.	0.21	701.	0.	216.	176.
28	STM088	RESIDU	0.	-0.086	0.	0.142	0.24	-30.	-34.	-4.	43.	88.	6.	0.15	1749.	6.	161.	343.
29	STM088	RESIDU	0.	-0.017	0.	0.029	0.07	-6.	-7.	-1.	9.	18.	1.	0.14	413.	0.	135.	102.
33	STM088	RESIDU	0.	-0.004	0.	0.006	0.00	-1.	-1.	-0.	2.	4.	0.	0.04	111.	0.	-247.	20.
ALL	STM088	RESIDU	0.	-0.262	0.	0.626	0.12	-92.	-105.	-13.	192.	373.	29.	0.17	6853.	13.	-162.	711.
20	PFBSTM	COAL-P	0.	-0.130	0.	0.211	0.52	67.	-134.	8.	179.	61.	39.	0.49	-5468.	17.	-2352.	-1115.
22	PFBSTM	COAL-P	0.	-0.006	0.	0.009	0.18	4.	-7.	1.	9.	2.	2.	0.46	-49.	1.	-8.	15.
24	PFBSTM	COAL-P	0.	-0.067	0.	0.227	0.75	-4.	-41.	-1.	90.	120.	17.	0.72	-5662.	11.	-1570.	-969.
26	PFBSTM	COAL-P	0.	-0.061	0.	0.095	0.17	30.	-62.	3.	81.	27.	18.	0.48	379.	6.	258.	324.
28	PFBSTM	COAL-P	0.	-0.501	0.	0.697	1.18	649.	-800.	80.	1053.	-70.	251.	0.42	-5868.	49.	-655.	2954.
29	PFBSTM	COAL-P	0.	-0.038	0.	0.058	0.14	32.	-48.	4.	64.	8.	15.	0.43	345.	5.	188.	273.
33	PFBSTM	COAL-P	0.	-0.012	0.	0.017	0.01	7.	-12.	1.	16.	4.	4.	0.17	45.	0.	-6.	64.
ALL	PFBSTM	COAL-P	0.	-1.081	0.	1.744	0.33	1041.	-1464.	127.	1980.	203.	457.	0.43	-21593.	118.	-5498.	2051.
20	TISTMT	COAL	0.	-0.145	0.	0.231	0.56	-51.	-135.	-7.	72.	78.	25.	0.31	-25821.	22.	-7207.	-3988.
22	TISTMT	COAL	0.	-0.007	0.	0.011	0.20	-2.	-7.	-0.	3.	3.	1.	0.27	-501.	1.	-109.	-47.
24	TISTMT	COAL	0.	-0.086	0.	0.232	0.77	-30.	-52.	-4.	72.	122.	15.	0.65	-19809.	15.	-4833.	-2839.
26	TISTMT	COAL	0.	-0.071	0.	0.112	0.20	-25.	-65.	-4.	35.	39.	12.	0.31	-2350.	9.	-298.	-24.
28	TISTMT	COAL	0.	-0.366	0.	0.578	0.98	-128.	-399.	-18.	182.	145.	73.	0.23	-16940.	58.	-2698.	-523.
29	TISTMT	COAL	0.	-0.044	0.	0.069	0.17	-15.	-48.	-2.	22.	17.	9.	0.24	-1289.	7.	-133.	58.
33	TISTMT	COAL	0.	-0.015	0.	0.024	0.02	-5.	-14.	-1.	8.	8.	3.	0.13	-851.	0.	-192.	-32.
ALL	TISTMT	COAL	0.	-0.946	0.	1.621	0.30	-331.	-928.	-47.	508.	530.	177.	0.25	-87021.	145.	-19926.	-9527.
20	TISTMT	RESIDU	0.	-0.135	0.	0.216	0.53	-47.	-54.	-7.	65.	134.	9.	0.39	-16964.	20.	-4991.	-3075.

ISE PEG AES COGENERATION TECHNOLOGY ALTERNATIVES STUDY

FUEL UNITS = REPORT 6.1 FUEL AND EMISSIONS SAVINGS (SAVINGS ARE POSITIVE)

EMISSION UNITS= TIME 1990 LEVEL ALL

COST =$*10**9 TYPE MATCH=HEAT

PROCS	ECS	ECS FUEL	*****FUEL SAVINGS***** DIRECT OIL+GAS	TOTAL OIL+GAS	TOTAL COAL	FESR	----EMISSIONS SAVINGS---- DIRECT NOX	DIRECT SOX	DIRECT PART	********TOTAL******** NOX	TOTAL SOX	TOTAL PART	EMSR	CAPITL SAVING	ELECTRIC POWER--- TOTAL EXPORT MWH	COST	LAEC SAVED
22	TISTMT	RESIDU	0.	-0.007	0.011	0.20	-2.	-3.	-0.	3.	7.	0.	0.36	-335.	1.	-75.	-54.
24	TISTMT	RESIDU	0.	-0.002	0.003	0.01	-1.	-1.	-0.	1.	2.	0.	0.03	-379.	0.	-239.	-74.
26	TISTMT	RESIDU	0.	-0.065	0.103	0.19	-23.	-26.	-3.	31.	64.	4.	0.35	-1551.	6.	-209.	-138.
28	TISTMT	RESIDU	0.	-0.350	0.552	0.94	-122.	-140.	-17.	165.	343.	22.	0.31	-10616.	54.	-2174.	-1440.
29	TISTMT	RESIDU	0.	-0.044	0.069	0.17	-15.	-18.	-2.	21.	43.	3	0.33	-750.	7.	-53.	-90.
33	TISTMT	RESIDU	0.	-0.014	0.022	0.01	-5.	-6.	-1.	7.	14.	1.	0.12	-680.	0.	-430.	-71.
ALL	TISTMT	RESIDU	0.	-0.868	1.374	0.26	-304.	-347.	-43.	411.	853.	55.	0.32	-43999.	124.	-11497.	-6952.
20	TIHRSG	COAL	0.	-0.105	0.123	0.30	-37.	-141.	-5.	40.	-5.	24.	0.10	-36321.	5.	-9470.	-4733.
22	TIHRSG	COAL	0.	-0.006	0.006	0.11	-2.	-8.	-0.	2.	-1.	1.	0.08	-729.	0.	-170.	-67.
24	TIHRSG	COAL	0.	-0.089	0.183	0.60	-31.	-54.	-4.	56.	95.	12.	0.52	-31905.	7.	-7716.	-4387.
26	TIHRSG	COAL	0.	-0.067	0.056	0.10	-23.	-70.	-3.	17.	1.	10.	0.11	-3661.	1.	-738.	-157.
28	TIHRSG	COAL	0.	-1.355	0.488	0.83	-474.	-1368.	-69.	140.	-277.	152.	0.10	-72137.	101.	-15953.	-6051.
29	TIHRSG	COAL	0.	-0.055	0.030	0.07	-19.	-61.	-3.	9.	-10.	8.	0.03	-2027.	3.	-399.	-39.
33	TIHRSG	COAL	0.	-0.016	0.010	0.01	-6.	-15.	-1.	3.	0.	2.	0.03	-937.	0.	-238.	-74.
ALL	TIHRSG	COAL	0.	-2.242	1.185	0.22	-785.	-2274.	-112.	353.	-260.	276.	0.08	*******	155.	-45929.	-20537.
20	TIHRSG	RESIDU	0.	-0.093	0.110	0.27	-33.	-37.	-5.	32.	71.	4.	0.21	-23528.	4.	-6264.	-3332.
22	TIHRSG	RESIDU	0.	-0.006	0.006	0.11	-2.	-2.	-0.	2.	4.	0.	0.19	-514.	0.	-123.	-72.
24	TIHRSG	RESIDU	0.	-0.002	0.001	0.00	-1.	-1.	-0.	0.	1.	0.	0.01	-360.	0.	-229.	-61.
26	TIHRSG	RESIDU	0.	-0.056	0.117	0.09	-20.	-22.	-3.	13.	32.	1.	0.16	-2370.	0.	-553.	-272.
28	TIHRSG	RESIDU	0.	-0.822	0.692	0.50	-288.	-329.	-41.	65.	256.	-8.	0.14	-30666.	60.	-7895.	-5277.
29	TIHRSG	RESIDU	0.	-0.055	0.030	0.07	-19.	-22.	-3.	8.	23.	0.	0.15	-1346.	3.	-296.	-218.
33	TIHRSG	RESIDU	0.	-0.015	0.009	0.01	-5.	-6.	-1.	2.	7.	0.	0.05	-748.	0.	-473.	-103.
ALL	TIHRSG	RESIDU	0.	-1.485	0.699	0.13	-520.	-594.	-74.	172.	556.	-4.	0.15	-84242.	96.	-22404.	-13210.
20	STIRL	COAL	0.	-0.187	0.183	0.45	-66.	-153.	-9.	55.	56.	21.	0.22	-1401.	24.	-1383.	-716.
22	STIRL	COAL	0.	-0.011	0.009	0.16	-4.	-9.	-1.	3.	2.	1.	0.19	-79.	1.	-14.	0.
24	STIRL	COAL	0.	-0.159	0.177	0.58	-56.	-96.	-8.	53.	88.	12.	0.47	-1591.	18.	-565.	-454.
26	STIRL	COAL	0.	-0.112	0.089	0.16	-39.	-88.	-6.	26.	25.	11.	0.22	-544.	11.	88.	139.
28	STIRL	COAL	0.	-0.633	0.470	0.80	-221.	-552.	-32.	140.	78.	68.	0.16	-4191.	70.	135.	779.
29	STIRL	COAL	0.	-0.070	0.051	0.12	-25.	-62.	-4.	15.	7.	8.	0.15	-411.	8.	39.	115.
33	STIRL	COAL	0.	-0.031	0.023	0.01	-11.	-23.	-2.	7.	7.	3.	0.11	-230.	0.	-47.	48.
ALL	STIRL	COAL	0.	-1.556	1.296	0.24	-544.	-1272.	-78.	386.	338.	159.	0.17	-10927.	171.	-2259.	-114.
20	STIRL	DISTIL	0.	-0.176	0.172	0.42	-16.	-26.	4.	97.	170.	32.	0.59	4210.	22.	-178.	-626.

ISE PEG AES COGENERATION TECHNOLOGY ALTERNATIVES STUDY

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COST =$*10**9 TYPE MATCH=HEAT

PROCS	ECS	ECS FUEL	FUEL SAVINGS DIRECT OIL+GAS	FUEL SAVINGS DIRECT COAL	FUEL SAVINGS TOTAL OIL+GAS	FUEL SAVINGS TOTAL COAL	FESR	EMISSIONS SAVINGS DIRECT NOX	EMISSIONS SAVINGS DIRECT SOX	EMISSIONS SAVINGS DIRECT PART	EMISSIONS SAVINGS TOTAL NOX	EMISSIONS SAVINGS TOTAL SOX	EMISSIONS SAVINGS TOTAL PART	EMSR	CAPITL SAVING	ELECTRIC POWER TOTAL EXPORT MWH	ELECTRIC POWER COST	ELECTRIC POWER LAEC SAVED
22	STIRL	DISTIL	0.	-0.011	0.	0.009	0.16	-1.	-1.	0.	6.	9.	2.	0.57	81.	1.	5.	-31.
24	STIRL	DISTIL	0.	-0.004	0.	0.003	0.01	-0.	-0.	0.	2.	3.	1.	0.05	-118.	0.	-250.	-40.
26	STIRL	DISTIL	0.	-0.105	0.	0.083	0.15	-8.	-14.	3.	53.	93.	19.	0.56	615.	8.	142.	-168.
28	STIRL	DISTIL	0.	-0.608	0.	0.452	0.77	-37.	-70.	18.	311.	536.	115.	0.52	3242.	67.	-153.	-1515.
29	STIRL	DISTIL	0.	-0.070	0.	0.051	0.12	-4.	-8.	2.	36.	61.	13.	0.55	374.	8.	93.	-170.
33	STIRL	DISTIL	0.	-0.028	0.	0.021	0.01	-2.	-3.	1.	14.	25.	5.	0.24	166.	0.	-360.	-35.
ALL	STIRL	DISTIL	0.	-1.408	0.	1.111	0.21	-96.	-171.	39.	729.	1263.	264.	0.53	12052.	149.	-984.	-3633.
20	STIRL	RESIDU	0.	-0.176	0.	0.172	0.42	-61.	-70.	-18.	49.	115.	-5.	0.30	4202.	22.	-51.	-318.
22	STIRL	RESIDU	0.	-0.011	0.	0.009	0.16	-4.	-4.	-1.	2.	6.	-0.	0.27	80.	1.	13.	-11.
24	STIRL	RESIDU	0.	-0.004	0.	0.003	0.01	-1.	-1.	-0.	1.	2.	0.	0.03	-116.	0.	-171.	-33.
26	STIRL	RESIDU	0.	-0.105	0.	0.083	0.15	-37.	-42.	-10.	23.	58.	-3.	0.26	613.	8.	220.	28.
28	STIRL	RESIDU	0.	-0.608	0.	0.452	0.77	-213.	-243.	-68.	124.	318.	-30.	0.22	3229.	67.	604.	-312.
29	STIRL	RESIDU	0.	-0.070	0.	0.051	0.12	-25.	-28.	-8.	14.	36.	-4.	0.23	373.	8.	144.	-29.
33	STIRL	RESIDU	0.	-0.028	0.	0.021	0.01	-10.	-11.	-2.	6.	15.	-1.	0.11	166.	0.	-223.	20.
ALL	STIRL	RESIDU	0.	-1.408	0.	1.111	0.21	-493.	-563.	-153.	307.	772.	-60.	0.23	12016.	149.	754.	-920.
20	HEGT85	COAL-A	0.	-0.225	0.	0.158	0.39	-16.	-165.	-11.	109.	49.	17.	0.32	-15338.	27.	-4552.	-2622.
22	HEGT85	COAL-A	0.	-0.022	0.	0.005	0.10	-3.	-14.	-1.	6.	1.	-1.	0.24	-191.	2.	-49.	-51.
24	HEGT85	COAL-A	0.	-0.062	0.	0.015	0.05	-11.	-37.	-3.	13.	5.	1.	0.28	-2111.	7.	-635.	-450.
26	HEGT85	COAL-A	0.	-0.251	0.	0.041	0.08	-41.	-157.	-13.	54.	4.	6.	0.21	-658.	25.	0.	-290.
28	HEGT85	COAL-A	0.	-0.363	0.	0.090	0.15	-52.	-234.	-18.	94.	16.	12.	0.25	-2181.	21.	-246.	-236.
33	HEGT85	COAL-A	0.	-0.051	0.	0.009	0.01	-8.	-32.	-3.	11.	1.	1.	0.21	-586.	4.	-121.	-102.
ALL	HEGT85	COAL-A	0.	-1.031	0.	0.335	0.06	-138.	-677.	-52.	304.	79.	41.	0.24	-22289.	91.	-5928.	-3969.
20	HEGT60	COAL-A	0.	-0.274	0.	0.127	0.31	-14.	-207.	-14.	117.	19.	19.	0.28	-17846.	26.	-5292.	-2977.
22	HEGT60	COAL-A	0.	-0.017	0.	0.005	0.09	-1.	-12.	-1.	6.	0.	1.	0.23	-259.	2.	-63.	-42.
24	HEGT60	COAL-A	0.	-0.239	0.	0.064	0.21	-43.	-143.	-12.	54.	22.	6.	0.27	-8281.	22.	-2195.	-1526.
26	HEGT60	COAL-A	0.	-0.196	0.	0.045	0.08	-23.	-132.	-10.	55.	2.	7.	0.22	-743.	17.	-34.	-117.
28	HEGT60	COAL-A	0.	-0.512	0.	0.110	0.19	-53.	-354.	-26.	149.	-7.	21.	0.20	-5009.	33.	-811.	-524.
29	HEGT60	COAL-A	0.	-0.174	0.	0.003	0.01	-24.	-114.	-9.	33.	-15.	4.	0.11	-230.	15.	10.	-153.
33	HEGT60	COAL-A	0.	-0.191	0.	0.012	0.01	-29.	-122.	-10.	37.	-10.	4.	0.15	-947.	3.	-264.	-122.
ALL	HEGT60	COAL-A	0.	-1.770	0.	0.405	0.08	-207.	-1198.	-89.	498.	12.	67.	0.20	-36769.	130.	-9548.	-6029.
20	HEGT00	COAL-A	0.	-0.215	0.	0.088	0.22	16.	-193.	-11.	115.	-17.	20.	0.21	-16750.	12.	-4829.	-2357.

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COST =$*10**9 TYPE MATCH=HEAT

PROCS	ECS	ECS FUEL	FUEL SAVINGS DIRECT OIL+GAS	FUEL SAVINGS DIRECT COAL	FUEL SAVINGS TOTAL OIL+GAS	FUEL SAVINGS TOTAL COAL	FESR	EMISSIONS SAVINGS DIRECT NOX	EMISSIONS SAVINGS DIRECT SOX	EMISSIONS SAVINGS DIRECT PART	EMISSIONS SAVINGS TOTAL NOX	EMISSIONS SAVINGS TOTAL SOX	EMISSIONS SAVINGS TOTAL PART	EMSR	CAPITL SAVING	ELECTRIC POWER TOTAL EXPORT MWH	ELECTRIC POWER COST	ELECTRIC POWER LAEC SAVED
22	HEGTOO	COAL-A	0.	-0.012	0.	0.004	0.07	1.	-11.	-1.	6.	-1.	1.	0.19	-73.	1.	-67.	-23.
24	HEGTOO	COAL-A	0.	-0.194	0.	0.105	0.34	-35.	-117.	-10.	61.	46.	8.	0.30	-11593.	13.	-2931.	-1780.
26	HEGTOO	COAL-A	0.	-0.128	0.	0.037	0.07	-2.	-101.	-6.	52.	-7.	8.	0.20	-919.	7.	-118.	52.
28	HEGTOO	COAL-A	0.	-2.040	0.	0.397	0.68	25.	-1693.	-102.	827.	-290.	136.	0.25	-22470.	162.	-4280.	-1071.
29	HEGTOO	COAL-A	0.	-0.091	0.	0.020	0.05	2.	-77.	-5.	39.	-13.	6.	0.16	-256.	7.	6.	88.
33	HEGTOO	COAL-A	0.	-0.034	0.	0.008	0.01	-2.	-26.	-2.	12.	-2.	2.	0.09	-261.	0.	-83.	10.
ALL	HEGTOO	COAL-A	0.	-3.714	0.	0.902	0.17	5.	-3034.	-186.	1520.	-389.	249.	0.20	-71865.	275.	-16833.	-6953.
20	FCMCCL	COAL	0.	-0.169	0.	0.174	0.42	67.	76.	9.	178.	269.	37.	1.00	-10529.	21.	-3383.	-1903.
22	FCMCCL	COAL	0.	-0.010	0.	0.011	0.20	4.	5.	1.	11.	16.	2.	1.00	-162.	2.	-32	-15.
26	FCMCCL	COAL	0.	-0.160	0.	0.096	0.18	38.	44.	5.	122.	188.	24.	1.00	-357.	16.	112.	62
28	FCMCCL	COAL	0.	-0.699	0.	0.761	1.28	289.	330.	38.	761.	1143.	156.	0.97	-5380.	106.	129.	285.
29	FCMCCL	COAL	0.	-0.066	0.	0.075	0.18	29.	33.	4.	75.	112.	15.	1.00	205.	10.	210.	149.
33	FCMCCL	COAL	0.	-0.080	0.	0.033	0.02	13.	15.	2.	50.	78.	10.	0.64	-131.	0.	-44.	67.
ALL	FCMCCL	COAL	0.	-1.764	0.	1.700	0.32	657.	751.	85.	1785.	2702.	365.	0.97	-24400.	232.	-4487.	-2021.
20	FCSTCL	COAL	0.	-0.195	0.	0.232	0.57	47.	54.	6.	186.	292.	37.	1.00	-7677.	33.	-2940.	-1869.
22	FCSTCL	COAL	0.	-0.010	0.	0.013	0.24	3.	4.	0.	11.	17.	2.	1.00	-96.	2.	-14.	-13.
24	FCSTCL	COAL	0.	-0.287	0.	0.048	0.16	0.	1.	-1.	108.	184.	19.	1.00	-5145.	24.	-1624.	-1320.
26	FCSTCL	COAL	0.	-0.147	0.	0.121	0.22	27.	30.	3.	114.	180.	22.	1.00	108.	19.	285.	87.
28	FCSTCL	COAL	0.	-0.622	0.	0.720	1.23	191.	218.	24.	629.	972.	126.	0.97	-681.	91.	1293.	784.
29	FCSTCL	COAL	0.	-0.070	0.	0.087	0.21	23.	26.	3.	74.	114.	15.	1.00	379.	13.	284.	149.
33	FCSTCL	COAL	0.	-0.083	0.	0.047	0.03	12.	14.	1.	54.	66.	11.	0.80	17.	0.	21.	108.
ALL	FCSTCL	COAL	0.	-2.014	0.	1.812	0.34	432.	493.	54.	1672.	2623.	330.	0.98	-18631.	257.	-3833.	-2950.
20	IGGTST	COAL	0.	-0.210	0.	0.162	0.39	-73.	-159.	6.	47.	49.	35.	0.27	-9293.	26.	-3329.	-2040.
22	IGGTST	COAL	0.	-0.012	0.	0.009	0.17	-4.	-9.	0.	3.	3.	2.	0.25	-125.	2.	-23.	-11.
26	IGGTST	COAL	0.	-0.189	0.	0.078	0.14	-66.	-135.	4.	20.	14.	24.	0.19	-102.	17.	212.	114.
28	IGGTST	COAL	0.	-0.639	0.	0.439	0.75	-224.	-513.	26.	128.	97.	116.	0.20	-2090.	71.	857.	688.
29	IGGTST	COAL	0.	-0.079	0.	0.059	0.14	-28.	-64.	3.	17.	14.	15.	0.23	145.	10.	208.	158.
33	IGGTST	COAL	0.	-0.154	0.	0.023	0.01	-54.	-107.	2.	4.	-8.	16.	0.10	-277.	0.	-108.	96.
ALL	IGGTST	COAL	0.	-1.839	0.	1.104	0.21	-644.	-1415.	61.	315.	241.	297.	0.21	-16837.	179.	-3418.	-1426.
20	GTSOAR	RESIDU	-0.189	0.	-0.189	0.369	0.44	-76.	-71.	-2.	43.	131.	20.	0.43	3710.	23.	-181.	-381.

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COST =$*10**9 TYPE MATCH=HEAT

PROCS	ECS	ECS FUEL	FUEL SAVINGS DIRECT OIL+GAS	FUEL SAVINGS DIRECT COAL	FUEL SAVINGS TOTAL OIL+GAS	FUEL SAVINGS TOTAL COAL	FESR	EMISSIONS SAVINGS DIRECT NOX	EMISSIONS SAVINGS DIRECT SOX	EMISSIONS SAVINGS DIRECT PART	EMISSIONS SAVINGS TOTAL NOX	EMISSIONS SAVINGS TOTAL SOX	EMISSIONS SAVINGS TOTAL PART	EMSR	CAPITL SAVING	ELECTRIC POWER TOTAL EXPORT MWH	ELECTRIC POWER COST	ELECTRIC POWER LAEC SAVED
22	GTSOAR	RESIDU	-0.011	0.	-0.011	0.021	0.18	-4.	-4.	-0.	2.	7.	1.	0.42	143.	2.	29.	-5.
24	GTSOAR	RESIDU	-0.005	0.	-0.005	0.009	0.01	-1.	-2.	-0.	2.	3.	0.	0.06	-147.	0.	-172.	-33.
26	GTSOAR	RESIDU	-0.117	0.	-0.117	0.211	0.17	-39.	-44.	-1.	29.	71.	12.	0.44	1275.	11.	395.	80.
28	GTSOAR	RESIDU	-1.067	0.	-1.067	1.700	1.08	-377.	-402.	-9.	170.	528.	92.	0.39	9793.	129.	2264.	-553.
29	GTSOAR	RESIDU	-0.088	0.	-0.088	0.148	0.15	-33.	-33.	-1.	15.	48.	8.	0.41	906.	11.	275.	-11.
33	GTSOAR	RESIDU	-0.041	0.	-0.041	0.070	0.02	-12.	-16.	-0.	11.	23.	4.	0.22	500.	0.	-88.	63.
ALL	GTSOAR	RESIDU	-2.202	0.	-2.202	3.663	0.27	-784.	-829.	-18.	394.	1175.	199.	0.40	23440.	255.	3653.	-1216.
20	GTAC08	RESIDU	0.	-0.164	0.	0.180	0.44	-156.	-65.	-19.	-46.	118.	-5.	0.12	4513.	19.	129.	-128.
22	GTAC08	RESIDU	0.	-0.009	0.	0.010	0.19	-9.	-4.	-1.	-3.	7.	-0.	0.12	144.	1.	34.	4.
24	GTAC08	RESIDU	0.	-0.003	0.	0.004	0.01	-1.	-1.	-0.	1.	2.	0.	0.03	-109.	0.	-162.	-25.
26	GTAC08	RESIDU	0.	-0.088	0.	0.100	0.18	-72.	-35.	-9.	-13.	65.	-1.	0.16	1250.	8.	428.	177.
28	GTAC08	RESIDU	0.	-0.641	0.	0.726	1.23	-623.	-256.	-74.	-188.	472.	-19.	0.12	8751.	97.	2671.	576.
29	GTAC08	RESIDU	0.	-0.060	0.	0.069	0.17	-60.	-24.	-7.	-18.	45.	-2.	0.12	895.	9.	321.	81.
33	GTAC08	RESIDU	0.	-0.023	0.	0.027	0.02	-17.	-9.	-2.	-1.	17.	-0.	0.08	387.	0.	-121.	71.
ALL	GTAC08	RESIDU	0.	-1.452	0.	1.639	0.31	-1378.	-581.	-165.	-394.	1068.	-40.	0.13	23267.	196.	4849.	1111.
20	GTAC12	RESIDU	0.	-0.173	0.	0.198	0.48	-155.	-69.	-19.	-37.	129.	-4.	0.16	4833.	23.	139.	-172.
22	GTAC12	RESIDU	0.	-0.010	0.	0.011	0.20	-9.	-4.	-1.	-2.	7.	-0.	0.15	154.	2.	36.	2.
24	GTAC12	RESIDU	0.	-0.004	0.	0.004	0.01	-1.	-2.	-0.	1.	3.	0.	0.04	-101.	0.	-158.	-24.
26	GTAC12	RESIDU	0.	-0.099	0.	0.109	0.20	-77.	-40.	-9.	-11.	71.	-1.	0.19	1331.	10.	459.	153.
28	GTAC12	RESIDU	0.	-0.702	0.	0.790	1.34	-636.	-283.	-77.	-159.	515.	-16.	0.15	9303.	110.	2898.	518.
29	GTAC12	RESIDU	0.	-0.068	0.	0.074	0.18	-61.	-27.	-7.	-16.	48.	-2.	0.15	934.	11.	335.	65.
33	GTAC12	RESIDU	0.	-0.030	0.	0.033	0.02	-21.	-12.	-3.	-1.	22.	-0.	0.10	474.	0.	-80.	85.
ALL	GTAC12	RESIDU	0.	-1.601	0.	1.789	0.34	-1407.	-641.	-170.	-328.	1166.	-33.	0.16	24835.	228.	5324.	921.
20	GTAC16	RESIDU	0.	-0.180	0.	0.205	0.50	-156.	-72.	-19.	-33.	133.	-3.	0.18	4664.	25.	56.	-250.
22	GTAC16	RESIDU	0.	-0.010	0.	0.011	0.21	-9.	-4.	-1.	-2.	7.	-0.	0.17	154.	2.	35.	0.
24	GTAC16	RESIDU	0.	-0.005	0.	0.005	0.02	-2.	-2.	-0.	1.	3.	0.	0.05	-104.	0.	-158.	-25.
26	GTAC16	RESIDU	0.	-0.106	0.	0.112	0.20	-80.	-42.	-10.	-10.	73.	-1.	0.20	1336.	12.	460.	127.
28	GTAC16	RESIDU	0.	-0.808	0.	0.805	1.37	-677.	-323.	-82.	-165.	534.	-19.	0.16	9508.	121.	2885.	283.
29	GTAC16	RESIDU	0.	-0.074	0.	0.075	0.18	-63.	-30.	-8.	-16.	50.	-2.	0.16	933.	12.	330.	44.
33	GTAC16	RESIDU	0.	-0.036	0.	0.037	0.02	-24.	-14.	-3.	-1.	24.	-0.	0.12	526.	0.	-54.	91.
ALL	GTAC16	RESIDU	0.	-1.786	0.	1.830	0.34	-1480.	-714.	-180.	-330.	1210.	-37.	0.16	24925.	251.	5207.	397.
20	GTWC16	RESIDU	0.	-0.212	0.	0.185	0.45	-172.	-85.	-21.	-46.	126.	-6.	0.14	4462.	27.	-114.	-418.

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ISE PEO AES COGENERATION TECHNOLOGY ALTERNATIVES STUDY

FUEL UNITS = REPORT 6.1 FUEL AND EMISSIONS SAVINGS (SAVINGS ARE POSITIVE)

EMISSION UNITS= TIME 1990 LEVEL ALL

COST =$*10**9 TYPE MATCH=HEAT

PROCS	ECS	ECS FUEL	*****F U E L — DIRECT***** OIL+GAS	DIRECT COAL	-----TOTAL---- OIL+GAS	TOTAL COAL S A V I N G S*****	FESR	- - - E M I S S I O N S — -------DIRECT------- NOX	DIRECT SOX	DIRECT PART	S A V I N G S - - - ********TOTAL******** NOX	TOTAL SOX	TOTAL PART	EMSR	CAPITL SAVING	--ELECTRIC POWER--- TOTAL EXPORT MWH	COST	LAEC SAVED
22	GTWC16	RESIDU	0.	-0.012	0.	0.010	0.19	-10.	-5.	-1.	-3.	7.	-0.	0.13	160.	2.	33.	-3.
24	GTWC16	RESIDU	0.	-0.005	0.	0.005	0.02	-2.	-2.	-0.	1.	3.	0.	0.04	-133.	0.	-166.	-30.
26	GTWC16	RESIDU	0.	-0.117	0.	0.103	0.19	-86.	-47.	-11.	-16.	70.	-2.	0.17	1418.	13.	448.	95.
28	GTWC16	RESIDU	0.	-0.856	0.	0.755	1.28	-704.	-342.	-86.	-192.	513.	-25.	0.13	9918.	120.	2829.	163.
29	GTWC16	RESIDU	0.	-0.080	0.	0.070	0.17	-66.	-32.	-8.	-18.	48.	-2.	0.13	1010.	12.	333.	36.
33	GTWC16	RESIDU	0.	-0.040	0.	0.035	0.02	-26.	-16.	-3.	-3.	24.	-0.	0.10	559.	0.	-53.	86.
ALL	GTWC16	RESIDU	0.	-1.943	0.	1.711	0.32	-1568.	-777.	-191.	-407.	1163.	-53.	0.14	25580.	255.	4871.	-105.
20	CC1626	RESIDU	0.	-0.245	0.	0.218	0.53	-176.	-98.	-22.	-29.	148.	-4.	0.21	5349.	37.	-194.	-663.
22	CC1626	RESIDU	0.	-0.013	0.	0.012	0.22	-10.	-5.	-1.	-2.	8.	-0.	0.19	188.	2.	38.	-7.
24	CC1626	RESIDU	0.	-0.008	0.	0.007	0.02	-3.	-3.	-0.	2.	5.	0.	0.06	-122.	0.	-172.	-45.
26	CC1626	RESIDU	0.	-0.134	0.	0.115	0.21	-92.	-54.	-11.	-13.	79.	-2.	0.21	1593.	18.	499.	46.
28	CC1626	RESIDU	0.	-0.391	0.	0.330	0.56	-291.	-156.	-36.	-62.	226.	-9.	0.17	4618.	47.	1272.	169.
29	CC1626	RESIDU	0.	-0.091	0.	0.077	0.19	-68.	-36.	-8.	-15.	52.	-2.	0.17	1096.	14.	357.	13.
33	CC1626	RESIDU	0.	-0.054	0.	0.045	0.03	-35.	-22.	-4.	-4.	31.	-1.	0.14	752.	0.	28.	105.
ALL	CC1626	RESIDU	0.	-1.255	0.	1.075	0.20	-905.	-502.	-112.	-164.	735.	-24.	0.18	18049.	157.	2450.	-512.
20	CC1622	RESIDU	0.	-0.229	0.	0.223	0.55	-169.	-92.	-21.	-25.	149.	-3.	0.22	5356.	35.	-132.	-590.
22	CC1622	RESIDU	0.	-0.012	0.	0.012	0.22	-10.	-5.	-1.	-2.	8.	-0.	0.20	177.	2.	37.	-5.
24	CC1622	RESIDU	0.	-0.007	0.	0.006	0.02	-2.	-3.	-0.	2.	4.	0.	0.06	-99.	0.	-167.	-40.
26	CC1622	RESIDU	0.	-0.125	0.	0.118	0.22	-87.	-50.	-11.	-10.	79.	-1.	0.22	1477.	17.	486.	65.
28	CC1622	RESIDU	0.	-0.357	0.	0.330	0.56	-274.	-143.	-34.	-56.	222.	-7.	0.18	4240.	45.	1201.	194.
29	CC1622	RESIDU	0.	-0.085	0.	0.078	0.19	-66.	-34.	-8.	-14.	53.	-2.	0.18	1016.	13.	348.	23.
33	CC1622	RESIDU	0.	-0.049	0.	0.044	0.03	-32.	-20.	-4.	-3.	30.	-0.	0.14	671.	0.	-6.	102.
ALL	CC1622	RESIDU	0.	-1.155	0.	1.084	0.20	-856.	-462.	-106.	-144.	728.	-19.	0.19	17153.	149.	2363.	-337.
20	CC1222	RESIDU	0.	-0.227	0.	0.225	0.55	-168.	-91.	-21.	-24.	150.	-3.	0.23	5676.	35.	-51.	-540.
22	CC1222	RESIDU	0.	-0.012	0.	0.012	0.22	-9.	-5.	-1.	-2.	8.	-0.	0.20	184.	2.	39.	-4.
24	CC1222	RESIDU	0.	-0.007	0.	0.006	0.02	-2.	-3.	-0.	2.	4.	0.	0.06	-85.	0.	-163.	-38.
26	CC1222	RESIDU	0.	-0.124	0.	0.119	0.22	-87.	-50.	-11.	-9.	79.	-1.	0.22	1526.	16.	501.	75.
28	CC1222	RESIDU	0.	-0.353	0.	0.332	0.57	-272.	-141.	-33.	-54.	223.	-7.	0.18	4387.	45.	1243.	224.
29	CC1222	RESIDU	0.	-0.084	0.	0.079	0.19	-65.	-34.	-8.	-14.	53.	-2.	0.18	1048.	13.	358.	30.
33	CC1222	RESIDU	0.	-0.048	0.	0.044	0.03	-32.	-19.	-4.	-2.	30.	-0.	0.14	693.	0.	-1.	106.
ALL	CC1222	RESIDU	0.	-1.142	0.	1.092	0.21	-849.	-457.	-105.	-138.	731.	-18.	0.19	17940.	149.	2572.	-195.
20	CC0822	RESIDU	0.	-0.201	0.	0.228	0.56	-158.	-80.	-19.	-21.	148.	-2.	0.23	5134.	32.	-74.	-483.

ISE PEC AES COGENERATION TECHNOLOGY ALTERNATIVES STUDY

FUEL UNITS = REPORT 6.1 FUEL AND EMISSIONS SAVINGS (SAVINGS ARE POSITIVE)

EMISSION UNITS= TIME 1990 LEVEL ALL

COST =$*10**9 TYPE MATCH=HEAT

PROCS	ECS	ECS FUEL	FUEL SAVINGS DIRECT OIL+GAS	FUEL SAVINGS TOTAL COAL	FUEL SAVINGS TOTAL OIL+GAS	FUEL SAVINGS FESR COAL	EMISSIONS SAVINGS DIRECT NOX	DIRECT SOX	DIRECT PART	TOTAL NOX	TOTAL SOX	TOTAL PART	CAPITL EMSR	CAPITL SAVING	ELECTRIC POWER TOTAL EXPORT MWH	ELECTRIC POWER COST	ELECTRIC POWER LAEC SAVED
22	CC0822	RESIDU	0.	-0.011	0.	0.012	0.22	-9.	-4.	-1.	-2.	8.	-0.	0.20	173.	2.	39.	-0.
24	CC0822	RESIDU	0.	-0.005	0.	0.005	0.02	-2.	-2,	-0.	2.	3.	0.	0.05	-110.	0.	-171.	-40.
26	CC0822	RESIDU	0.	-0.108	0.	0.119	0.22	-79.	-43.	-10.	-7.	78.	-1.	0.23	1480.	14.	505.	128.
28	CC0822	RESIDU	0.	-0.295	0.	0.320	0.54	-246.	-118.	-30.	-50.	210.	-5.	0.18	4020.	40.	1154.	289.
29	CC0822	RESIDU	0.	-0.073	0.	0.079	0.19	-81.	-29.	-7.	-13.	52.	-1.	0.18	1026.	12.	362.	61.
33	CC0822	RESIDU	0.	-0.037	0.	0.039	0.02	-25.	-15.	-3.	-1.	26.	-0.	0.12	594.	0.	-59.	99.
ALL	CC0822	RESIDU	0.	-0.968	0.	1.065	0.20	-770.	-387.	-94.	-123.	696.	-12.	0.19	16341.	132.	2331.	73.
20	STIG15	RESIDU	0.	-0.480	0.	0.100	0.25	-290.	-192.	-14.	-107.	111.	1.	0.01	8794.	54.	-212.	-1184.
22	STIG15	RESIDU	0.	-0.026	0.	0.006	0.10	-16.	-11.	-1.	-6.	6.	0.	0.01	264.	3.	23.	-46.
24	STIG15	RESIDU	0.	-0.094	0.	0.020	0.06	-50.	-38.	-3.	-15.	22.	-0.	0.06	419.	5.	11.	-162.
26	STIG15	RESIDU	0.	-0.267	0.	0.056	0.10	-161.	-107.	-8.	-59.	62.	0.	0.01	2012.	30.	310.	-413.
28	STIG15	RESIDU	0.	-0.557	0.	0.116	0.20	-336.	-223.	-17.	-124.	129.	1.	0.01	4184.	61.	614.	-855.
33	STIG15	RESIDU	0.	-0.056	0.	0.012	0.01	-34.	-22.	-2.	-12.	13.	0.	0.01	430.	6.	52.	-91.
ALL	STIG15	RESIDU	0.	-1.757	0.	0.367	0.07	-1052.	-703.	-53.	-382.	406.	3.	0.01	19120.	192.	947.	-3265.
20	STIG10	RESIDU	0.	-0.388	0.	0.128	0.31	-250.	-155.	-10.	-87.	115.	5.	0.06	6895.	45.	-307.	-1005.
22	STIG10	RESIDU	0.	-0.021	0.	0.007	0.13	-14.	-9.	-1.	-5.	6.	0.	0.06	224.	3.	25.	-32.
24	STIG10	RESIDU	0.	-0.026	0.	0.009	0.03	-9.	-11.	-1.	2.	8.	-0.	0.09	-84.	0.	-149.	-51.
26	STIG10	RESIDU	0.	-0.216	0.	0.071	0.13	-135.	-86.	-6.	-45.	64.	2.	0.07	1777.	24.	348.	-244.
28	STIG10	RESIDU	0.	-0.440	0.	0.145	0.25	-283.	-176.	-12.	-98.	131.	5.	0.06	3476.	36.	628.	-335.
33	STIG10	RESIDU	0.	-0.045	0.	0.015	0.01	-29.	-18.	-1.	-10.	13.	1.	0.06	358.	4.	56.	-39.
ALL	STIG10	RESIDU	0.	-1.364	0.	0.449	0.08	-864.	-546.	-37.	-291.	405.	16.	0.07	15177.	133.	722.	-2048.
20	STIG1S	RESIDU	0.	-0.341	0.	0.134	0.33	-231.	-136.	-8.	-81.	113.	6.	0.07	6102.	38.	-295.	-868.
22	STIG1S	RESIDU	0.	-0.019	0.	0.007	0.14	-13.	-8.	-0.	-5.	6.	0.	0.07	213.	2.	27.	-24.
24	STIG1S	RESIDU	0.	-0.015	0.	0.006	0.02	-5.	-6.	-1.	1.	5.	-0.	0.06	-104.	0.	-160.	-42.
26	STIG1S	RESIDU	0.	-0.190	0.	0.075	0.14	-123.	-76.	-5.	-39.	63.	3.	0.08	1657.	20.	359.	-157.
28	STIG1S	RESIDU	0.	-0.376	0.	0.148	0.25	-254.	-151.	-9.	-88.	125.	7.	0.08	3151.	24.	601.	-101.
33	STIG1S	RESIDU	0.	-0.039	0.	0.016	0.01	-27.	-16.	-1.	-10.	13.	1.	0.07	318.	2.	54.	-11.
ALL	STIG1S	RESIDU	0.	-1.175	0.	0.462	0.09	-783.	-470.	-29.	-265.	390.	21.	0.08	13622.	104.	703.	-1442.
20	DEADV3	RESIDU	0.	-0.227	0.	0.190	0.46	-291.	-91.	-21.	-159.	130.	-5.	-0.11	1374.	32.	-956.	-982.
22	DEADV3	RESIDU	0.	-0.017	0.	0.009	0.18	-20.	-7.	-1.	-11.	7.	-1.	-0.16	78.	2.	3.	-34.

FUEL UNITS =
EMISSION UNITS=
COST =$*10**9

REPORT 6.1 FUEL AND EMISSIONS SAVINGS (SAVINGS ARE POSITIVE)
TIME 1990 LEVEL ALL
TYPE MATCH=HEAT

			*****F U E L		S A V I N G S*****			- - - E M I S S I O N S		S A V I N G S - - -					CAPITL	--ELECTRIC POWER---		
		ECS	****DIRECT*****		-----TOTAL----		FESR	-------DIRECT--------			********TOTAL********			EMSR	SAVING	TOTAL	COST	LAEC
PROCS	ECS	FUEL	OIL+GAS	COAL	OIL+GAS	COAL		NOX	SOX	PART	NOX	SOX	PART			EXPORT MWH		SAVED
24	DEADV3	RESIDU	0.	-0.017	0.	0.008	0.03	-6.	-7.	-1.	2.	7.	-0.	0.08	-380.	0.	-221.	-80.
26	DEADV3	RESIDU	0.	-0.177	0.	0.093	0.17	-188.	-71.	-14.	-102.	72.	-5.	-0.13	631.	21.	183.	-234.
28	DEADV3	RESIDU	0.	-0.520	0.	0.277	0.47	-586.	-208.	-44.	-333.	213.	-17.	-0.14	1754.	37.	343.	-340.
33	DEADV3	RESIDU	0.	-0.102	0.	0.046	0.03	-101.	-41.	-8.	-54.	37.	-3.	-0.14	408.	1.	19.	-21.
ALL	DEADV3	RESIDU	0.	-1.343	0.	0.791	0.15	-1509.	-537.	-113.	-833.	590.	-40.	-0.13	4686.	118.	-796.	-2140.
20	DEHTPM	RESIDU	0.	-0.171	0.	0.233	0.57	-266.	-68.	-18.	-137.	148.	-1.	0.01	1098.	28.	-877.	-818.
22	DEHTPM	RESIDU	0.	-0.010	0.	0.012	0.22	-16.	-4.	-1.	-9.	8.	-0.	-0.06	57.	2.	12.	-13.
24	DEHTPM	RESIDU	0.	-0.005	0.	0.005	0.02	-2.	-2.	-0.	1.	3.	0.	0.04	-137.	0.	-174.	-37.
26	DEHTPM	RESIDU	0.	-0.106	0.	0.113	0.21	-139.	-42.	-10.	-69.	74.	-1.	-0.01	419.	12.	241.	0.
28	DEHTPM	RESIDU	0.	-0.677	0.	0.580	0.99	-1042.	-271.	-69.	-643.	396.	-22.	-0.15	1171.	83.	406.	-618.
29	DEHTPM	RESIDU	0.	-0.079	0.	0.062	0.15	-124.	-32.	-8.	-79.	43.	-3.	-0.19	151.	11.	110.	-82.
33	DEHTPM	RESIDU	0.	-0.040	0.	0.034	0.02	-45.	-16.	-3.	-22.	23.	-1.	-0.02	83.	0.	-210.	-8.
ALL	DEHTPM	RESIDU	0.	-1.520	0.	1.448	0.27	-2281.	-608.	-153.	-1338.	970.	-38.	-0.12	3967.	189.	-685.	-2163.
20	DESOA3	DISTIL	-0.238	0.	-0.238	0.409	0.42	-664.	-12.	1.	-535.	201.	11.	-0.80	1149.	31.	-1209.	-1346.
22	DESOA3	DISTIL	-0.019	0.	-0.019	0.027	0.15	-45.	-2.	0.	-37.	12.	1.	-0.86	14.	2.	-31.	-69.
24	DESOA3	DISTIL	-0.022	0.	-0.022	0.030	0.03	-0.	-3.	0.	9.	13.	1.	0.22	-127.	0.	-237.	-76.
26	DESOA3	DISTIL	-0.196	0.	-0.196	0.277	0.15	-424.	-21.	0.	-336.	123.	7.	-0.76	142.	22.	-123.	-571.
28	DESOA3	DISTIL	-0.612	0.	-0.612	0.866	0.43	-1416.	-66.	1.	-1143.	385.	22.	-0.79	368.	44.	-542.	-1428.
33	DESOA3	DISTIL	-0.114	0.	-0.114	0.154	0.02	-227.	-14.	0.	-178.	66.	4.	-0.75	74.	3.	-174.	-246.
ALL	DESOA3	DISTIL	-1.523	0.	-1.523	2.236	0.13	-3519.	-149.	4.	-2814.	1015.	57.	-0.77	2055.	131.	-3062.	-4736.
20	DESOA3	RESIDU	-0.238	0.	-0.238	0.409	0.42	-1432.	-89.	-2.	-1300.	134.	22.	-2.72	1149.	31.	-1034.	-1048.
22	DESOA3	RESIDU	-0.019	0.	-0.019	0.027	0.15	-97.	-7.	-0.	-88.	6.	1.	-2.85	14.	2.	-17.	-50.
24	DESOA3	RESIDU	-0.022	0.	-0.022	0.030	0.03	-2.	-8.	-0.	7.	8.	2.	0.16	-127.	0.	-162.	-54.
26	DESOA3	RESIDU	-0.196	0.	-0.196	0.277	0.15	-910.	-74.	-2.	-821.	78.	15.	-2.64	142.	22.	21.	-369.
28	DESOA3	RESIDU	-0.612	0.	-0.612	0.866	0.43	-3039.	-230.	-5.	-2760.	244.	46.	-2.68	366.	44.	-117.	-797.
33	DESOA3	RESIDU	-0.114	0.	-0.114	0.154	0.02	-487.	-43.	-1.	-438.	41.	8.	-2.61	74.	3.	-89.	-134.
ALL	DESOA3	RESIDU	-1.523	0.	-1.523	2.236	0.13	-7554.	-573.	-12.	-6845.	650.	120.	-2.67	2055.	131.	-1773.	-3107.
20	GTSOAD	DISTIL	-0.175	0.	-0.175	0.364	0.46	-72.	-29.	0.	44.	165.	15.	0.56	5193.	22.	94.	-451.
22	GTSOAD	DISTIL	-0.010	0.	-0.010	0.020	0.19	-4.	-2.	0.	2.	9.	1.	0.56	164.	1.	30.	-16.
24	GTSOAD	DISTIL	-0.004	0.	-0.004	0.008	0.01	-0.	-1.	0.	3.	4.	0.	0.06	-96.	0.	-237.	-32.

PROCS	ECS	ECS FUEL	FUEL SAVINGS DIRECT OIL+GAS	FUEL SAVINGS DIRECT COAL	FUEL SAVINGS TOTAL OIL+GAS	FUEL SAVINGS TOTAL COAL	FESR	EMISSIONS SAVINGS DIRECT NOX	EMISSIONS SAVINGS DIRECT SOX	EMISSIONS SAVINGS DIRECT PART	EMISSIONS SAVINGS TOTAL NOX	EMISSIONS SAVINGS TOTAL SOX	EMISSIONS SAVINGS TOTAL PART	EMSP	CAPITL SAVING	ELECTRIC POWER TOTAL EXPORT MWH	ELECTRIC POWER COST	ELECTRIC POWER LAEC SAVED
26	GTSOAD	DISTIL	-0.103	0.	-0.103	0.205	0.19	-33.	-17.	0.	32.	92.	8.	0.59	1408.	10.	382.	-36.
28	GTSOAD	DISTIL	-0.758	0.	-0.758	1.491	1.25	-301.	-123.	0.	173.	670.	58.	0.54	9900.	109.	2125.	-936.
29	GTSOAD	DISTIL	-0.072	0.	-0.072	0.141	0.17	-29.	-12.	0.	16.	63.	5.	0.55	980.	10.	277.	-71.
33	GTSOAD	DISTIL	-0.031	0.	-0.031	0.062	0.02	-8.	-5.	0.	11.	28.	2.	0.26	497.	0.	-201.	25.
ALL	GTSOAD	DISTIL	-1.688	0.	-1.688	3.353	0.31	-655.	-274.	0.	411.	1509.	131.	0.54	26406.	224.	3612.	-2222.
20	GTRA08	DISTIL	0.	-0.210	0.	0.211	0.51	-91.	-39.	2.	46.	196.	34.	0.51	4018.	30.	-395.	-821.
22	GTRA08	DISTIL	0.	-0.013	0.	0.011	0.21	-5.	-3.	0.	2.	11.	2.	0.50	165.	2.	25.	-24.
24	GTRA08	DISTIL	0.	-0.008	0.	0.006	0.02	-1.	-2.	0.	3.	6.	1.	0.10	-157.	0.	-246.	-46.
26	GTRA08	DISTIL	0.	-0.131	0.	0.111	0.20	-51.	-27.	1.	28.	108.	18.	0.51	1382.	16.	349.	-139.
28	GTRA08	DISTIL	0.	-1.317	0.	0.759	1.29	-551.	-306.	-4.	121.	845.	140.	0.46	11960.	165.	1731.	-2377.
29	GTRA08	DISTIL	0.	-0.102	0.	0.069	0.17	-43.	-23.	-0.	12.	73.	12.	0.47	985.	14.	230.	-164.
33	GTRA08	DISTIL	0.	-0.063	0.	0.045	0.03	-23.	-14.	0.	12.	46.	8.	0.37	719.	0.	-61.	14.
ALL	GTRA08	DISTIL	0.	-2.678	0.	1.761	0.33	-1112.	-600.	-3.	326.	1867.	312.	0.47	27546.	331.	2373.	-5166.
20	GTRA12	DISTIL	0.	-0.207	0.	0.213	0.52	-90.	-38.	2.	47.	196.	34.	0.51	4153.	30.	-349.	-788.
22	GTRA12	DISTIL	0.	-0.012	0.	0.011	0.21	-5.	-2.	0.	2.	11.	2.	0.50	160.	2.	25.	-23.
24	GTRA12	DISTIL	0.	-0.008	0.	0.006	0.02	-1.	-2.	0.	3.	6.	1.	0.10	-147.	0.	-241.	-42.
26	GTRA12	DISTIL	0.	-0.127	0.	0.113	0.21	-49.	-25.	1.	29.	108.	18.	0.52	1369.	16.	357.	-133.
28	GTRA12	DISTIL	0.	-1.208	0.	0.787	1.34	-509.	-272.	-2.	137.	836.	140.	0.47	11249.	157.	1945.	-2068.
29	GTRA12	DISTIL	0.	-0.097	0.	0.072	0.18	-42.	-21.	0.	13.	73.	12.	0.43	960.	14.	243.	-145.
33	GTRA12	DISTIL	0.	-0.059	0.	0.045	0.03	-21.	-12.	0.	13.	45.	8.	0.37	687.	0.	-72.	20.
ALL	GTRA12	DISTIL	0.	-2.501	0.	1.816	0.34	-1044.	-543.	2.	355.	1859.	312.	0.48	26873.	320.	2632.	-4620.
20	GTRA16	DISTIL	0.	-0.203	0.	0.209	0.51	-88.	-36.	2.	46.	194.	34.	0.51	3609.	29.	-453.	-835.
22	GTRA16	DISTIL	0.	-0.012	0.	0.011	0.21	-5.	-2.	0.	2.	11.	2.	0.50	147.	2.	22.	-24.
24	GTRA16	DISTIL	0.	-0.007	0.	0.006	0.02	-1.	-1.	0.	3.	6.	1.	0.09	-160.	0.	-245.	-43.
26	GTRA16	DISTIL	0.	-0.124	0.	0.111	0.20	-48.	-24.	1.	29.	107.	18.	0.51	1282.	15.	339.	-124
28	GTRA16	DISTIL	0.	-1.131	0.	0.780	1.33	-481.	-245.	1.	139.	819.	139.	0.47	10235.	150.	1716.	-1972.
29	GTRA16	DISTIL	0.	-0.093	0.	0.072	0.17	-40.	-19.	0.	13.	73.	12.	0.48	922.	14.	235.	-141.
33	GTRA16	DISTIL	0.	-0.054	0.	0.043	0.03	-19.	-11.	0.	12.	43.	7.	0.35	604.	0.	-110.	15.
ALL	GTRA16	DISTIL	0.	-2.368	0.	1.797	0.34	-994.	-494.	8.	359.	1827.	312.	0.48	24284.	305.	2195.	-4556.
20	GTR208	DISTIL	0.	-0.194	0.	0.197	0.48	-85.	-31.	3.	42.	188.	34.	0.49	4273.	26.	-232.	-683.

ISE PEG AES COGENERATION TECHNOLOGY ALTERNATIVES STUDY

FUEL UNITS = REPORT 6.1 FUEL AND EMISSIONS SAVINGS (SAVINGS ARE POSITIVE)

EMISSION UNITS= TIME 1990 LEVEL ALL

COST =$*10**9 TYPE MATCH=HEAT

PROCS	ECS	ECS FUEL	FUEL SAVINGS DIRECT OIL+GAS	FUEL SAVINGS DIRECT COAL	FUEL SAVINGS TOTAL OIL+GAS	FUEL SAVINGS TOTAL COAL	FESR	EMISSIONS DIRECT NOX	EMISSIONS DIRECT SOX	EMISSIONS DIRECT PART	EMISSIONS SAVINGS TOTAL NOX	EMISSIONS SAVINGS TOTAL SOX	EMISSIONS SAVINGS TOTAL PART	EMSR	CAPITL SAVING	ELECTRIC POWER TOTAL EXPORT MWH	ELECTRIC POWER COST	ELECTRIC POWER LAEC SAVED
22	GTR208	DISTIL	0.	-0.011	0.	0.011	0.20	-5.	-2.	0.	2.	10.	2.	0.48	156.	2.	25.	-21.
24	GTR208	DISTIL	0.	-0.006	0.	0.005	0.02	-1.	-1.	0.	3.	5.	1.	0.08	-137.	0.	-244.	-39.
26	GTR208	DISTIL	0.	-0.117	0.	0.105	0.19	-45.	-20.	1.	28.	104.	19.	0.50	1356.	13.	353.	-94.
28	GTR208	DISTIL	0.	-1.003	0.	0.735	1.25	-435.	-195.	7.	130.	777.	139.	0.46	10217.	133.	1796.	-1656.
29	GTR208	DISTIL	0.	-0.086	0.	0.068	0.17	-38.	-16.	1.	12.	70.	13.	0.47	950.	12.	245.	-121.
33	GTR208	DISTIL	0.	-0.044	0.	0.036	0.02	-15.	-8.	0.	11.	37.	7.	0.30	582.	0.	-156.	19.
ALL	GTR208	DISTIL	0.	-2.130	0.	1.685	0.32	-909.	-400.	19.	331.	1737.	313.	0.46	25361.	271.	2604.	-3783.
20	GTR212	DISTIL	0.	-0.200	0.	0.200	0.49	-88.	-34.	3.	42.	190.	34.	0.50	4135.	27.	-302.	-741.
22	GTR212	DISTIL	0.	-0.012	0.	0.011	0.20	-5.	-2.	0.	2.	10.	2.	0.49	155.	2.	24.	-22.
24	GTR212	DISTIL	0.	-0.006	0.	0.005	0.02	-1.	-1.	0.	3.	5.	1.	0.08	-143.	0.	-244.	-41.
26	GTR212	DISTIL	0.	-0.120	0.	0.107	0.20	-46.	-22.	1.	28.	105.	19.	0.50	1358.	14.	352.	-104.
28	GTR212	DISTIL	0.	-1.027	0.	0.754	1.28	-443.	-206.	6.	135.	789.	139.	0.46	10246.	137.	1818.	-1692.
29	GTR212	DISTIL	0.	-0.088	0.	0.070	0.17	-39.	-17.	1.	13.	71.	13.	0.47	953.	13.	246.	-124.
33	GTR212	DISTIL	0.	-0.047	0.	0.039	0.02	-16.	-9.	0.	12.	39.	7.	0.31	611.	0.	-138.	20.
ALL	GTR212	DISTIL	0.	-2.190	0.	1.729	0.32	-930.	-426.	16.	343.	1766.	312.	0.47	25267.	281.	2563.	-3943.
20	GTR216	DISTIL	0.	-0.198	0.	0.205	0.50	-87.	-34.	3.	44.	192.	34.	0.50	3931.	28.	-343.	-758.
22	GTR216	DISTIL	0.	-0.012	0.	0.011	0.21	-5.	-2.	0.	2.	11.	2.	0.49	149.	2.	24.	-22.
24	GTR216	DISTIL	0.	-0.006	0.	0.005	0.02	-1.	-1.	0.	3.	5.	1.	0.09	-145.	0.	-243.	-40.
26	GTR216	DISTIL	0.	-0.119	0.	0.110	0.20	-46.	-22.	1.	29.	106.	19.	0.51	1315.	14.	351.	-103.
28	GTR216	DISTIL	0.	-1.027	0.	0.775	1.32	-442.	-208.	5.	143.	798.	139.	0.47	9940.	139.	1800.	-1699.
29	GTR216	DISTIL	0.	-0.088	0.	0.072	0.17	-38.	-17.	1.	13.	72.	13.	0.48	925.	13.	245.	-124.
33	GTR216	DISTIL	0.	-0.048	0.	0.040	0.03	-17.	-9.	0.	12.	40.	7.	0.32	601.	0.	-132.	22.
ALL	GTR216	DISTIL	0.	-2.184	0.	1.779	0.33	-926.	-428.	15.	360.	1787.	313.	0.47	24400.	285.	2484.	-3975.
20	GTRW08	DISTIL	0.	-0.257	0.	0.185	0.45	-109.	-55.	0.	35.	191.	32.	0.48	4470.	34.	-512.	-1003.
22	GTRW08	DISTIL	0.	-0.015	0.	0.010	0.18	-6.	-3.	-0.	2.	10.	2.	0.47	181.	2.	21.	-32.
24	GTRW08	DISTIL	0.	-0.011	0.	0.006	0.02	-2.	-2.	-0.	4.	7.	1.	0.11	-176.	0.	-249.	-54.
26	GTRW08	DISTIL	0.	-0.155	0.	0.097	0.18	-60.	-35.	-0.	21.	105.	18.	0.48	1545.	18.	315.	-217.
28	GTRW08	DISTIL	0.	-1.462	0.	0.683	1.16	-607.	-353.	-9.	87.	835.	138.	0.44	13083.	170.	1658.	-2729.
29	GTRW08	DISTIL	0.	-0.116	0.	0.061	0.15	-49.	-27.	-0.	9.	71.	12.	0.45	1106.	15.	217.	-202.
33	GTRW08	DISTIL	0.	-0.077	0.	0.042	0.03	-28.	-18.	-0.	10.	48.	8.	0.38	851.	0.	-17.	-6.
ALL	GTRW08	DISTIL	0.	-3.046	0.	1.579	0.30	-1254.	-719.	-13.	243.	1846.	308.	0.45	30666.	347.	2088.	-6180.
20	GTRW12	DISTIL	0.	-0.249	0.	0.196	0.48	-105.	-53.	0.	39.	193.	33.	0.49	4556.	34.	-461.	-957.

FUEL UNITS =
EMISSION UNITS=
COST =$*10**9

REPORT 6.1 FUEL AND EMISSIONS SAVINGS (SAVINGS ARE POSITIVE)
TIME 1990 LEVEL ALL
TYPE MATCH=HEAT

PROCS	ECS	ECS FUEL	*****FUEL SAVINGS***** DIRECT OIL+GAS	DIRECT COAL	TOTAL OIL+GAS	TOTAL COAL	FESR	---EMISSIONS SAVINGS--- DIRECT NOX	DIRECT SOX	DIRECT PART	TOTAL NOX	TOTAL SOX	TOTAL PART	CAPITL EMSR	ELECTRIC POWER--- SAVING	TOTAL EXPORT MWH	COST	LAEC SAVED
22	GTRW12	DISTIL	0.	-0.014	0.	0.010	0.20	-6.	-3.	0.	2.	11.	2.	0.48	183.	2.	24.	-29.
24	GTRW12	DISTIL	0.	-0.010	0.	0.007	0.02	-2.	-2.	-0.	4.	7.	1.	0.12	-176.	0.	-246.	-52.
26	GTRW12	DISTIL	0.	-0.148	0.	0.105	0.19	-58.	-33.	-0.	24.	108.	18.	0.50	1554.	18.	346.	-186.
28	GTRW12	DISTIL	0.	-1.331	0.	0.755	1.28	-555.	-315.	-6.	120.	841.	138.	0.46	12766.	164.	1992.	-2244.
29	GTRW12	DISTIL	0.	-0.109	0.	0.068	0.16	-46.	-25.	-0.	11.	73.	12.	0.47	1125.	15.	247.	-170.
33	GTRW12	DISTIL	0.	-0.072	0.	0.046	0.03	-26.	-16.	-0.	12.	49.	8.	0.40	841.	0.	-3.	12.
ALL	GTRW12	DISTIL	0.	-2.826	0.	1.735	0.33	-1167.	-655.	-9.	309.	1875.	308.	0.47	30480.	341.	2776.	-5300.
20	GTRW16	DISTIL	0.	-0.244	0.	0.195	0.48	-104.	-51.	1.	39.	193.	33.	0.49	4090.	33.	-541.	-987.
22	GTRW16	DISTIL	0.	-0.014	0.	0.010	0.20	-6.	-3.	0.	2.	11.	2.	0.48	172.	2.	22.	-29.
24	GTRW16	DISTIL	0.	-0.009	0.	0.007	0.02	-2.	-2.	0.	4.	7.	1.	0.11	-189.	0.	-251.	-52.
26	GTRW16	DISTIL	0.	-0.144	0.	0.104	0.19	-56.	-31.	0.	24.	107.	18.	0.50	1519.	17.	344.	-175.
28	GTRW16	DISTIL	0.	-1.240	0.	0.756	1.28	-521.	-284.	-3.	125.	824.	137.	0.46	11730.	156.	1888.	-2104.
29	GTRW16	DISTIL	0.	-0.105	0.	0.068	0.17	-44.	-23.	-0.	12.	72.	12.	0.47	1079.	14.	245.	-161.
33	GTRW16	DISTIL	0.	-0.066	0.	0.044	0.03	-24.	-15.	-0.	12.	47.	8.	0.38	805.	0.	-31.	16.
ALL	GTRW16	DISTIL	0.	-2.665	0.	1.732	0.33	-1107.	-599.	-3.	318.	1844.	308.	0.47	28103.	326.	2453.	-5108.
20	GTR308	DISTIL	0.	-0.243	0.	0.166	0.41	-104.	-47.	2.	29.	182.	33.	0.45	4459.	29.	-416.	-906.
22	GTR308	DISTIL	0.	-0.015	0.	0.009	0.16	-6.	-3.	0.	1.	10.	2.	0.44	169.	2.	17.	-33.
24	GTR308	DISTIL	0.	-0.009	0.	0.004	0.01	-1.	-2.	0.	3.	5.	1.	0.09	-135.	0.	-246.	-48.
26	GTR308	DISTIL	0.	-0.151	0.	0.084	0.15	-59.	-32.	0.	18.	100.	18.	0.45	1497.	15.	279.	-220.
28	GTR308	DISTIL	0.	-1.375	0.	0.569	0.97	-579.	-312.	-3.	52.	770.	138.	0.41	11941.	152.	1200.	-2815.
29	GTR308	DISTIL	0.	-0.114	0.	0.062	0.13	-48.	-25.	-0.	5.	67.	12.	0.41	1072.	14.	191.	-211.
33	GTR308	DISTIL	0.	-0.067	0.	0.032	0.02	-24.	-15.	0.	8.	41.	7.	0.31	749.	0.	-124.	-21.
ALL	GTR308	DISTIL	0.	-2.851	0.	1.325	0.25	-1188.	-630.	-0.	167.	1698.	305.	0.41	28549.	305.	1302.	-6149.
20	GTR312	DISTIL	0.	-0.235	0.	0.190	0.46	-101.	-47.	1.	37.	190.	33.	0.48	4628.	31.	-365.	-866.
22	GTR312	DISTIL	0.	-0.013	0.	0.010	0.19	-6.	-3.	0.	2.	10.	2.	0.48	176.	2.	24.	-26.
24	GTR312	DISTIL	0.	-0.008	0.	0.006	0.02	-1.	-2.	0.	3.	6.	1.	0.10	-156.	0.	-246.	-45.
26	GTR312	DISTIL	0.	-0.137	0.	0.103	0.19	-53.	-28.	1.	25.	105.	18.	0.49	1522.	16.	353.	-149.
28	GTR312	DISTIL	0.	-1.091	0.	0.750	1.28	-465.	-232.	2.	132.	794.	137.	0.46	11326.	142.	2011.	-1711.
29	GTR312	DISTIL	0.	-0.097	0.	0.068	0.17	-42.	-20.	0.	12.	72.	12.	0.47	1061.	14.	254.	-138.
33	GTR312	DISTIL	0.	-0.057	0.	0.041	0.03	-20.	-12.	0.	11.	43.	7.	0.34	743.	0.	-81.	21.
ALL	GTR312	DISTIL	0.	-2.401	0.	1.712	0.32	-1009.	-504.	7.	326.	1789.	308.	0.46	28297.	300.	2860.	-4272.
20	GTR316	DISTIL	0.	-0.236	0.	0.188	0.46	-101.	-47.	1.	37.	190.	33.	0.48	4224.	31.	-458.	-918.

FUEL UNITS =
EMISSION UNITS=
COST =$*10**9

REPORT 6.1 FUEL AND EMISSIONS SAVINGS (SAVINGS ARE POSITIVE)
TIME 1990 LEVEL ALL
TYPE MATCH=HEAT

PROCS	ECS	ECS FUEL	FUEL SAVINGS DIRECT OIL+GAS	FUEL SAVINGS DIRECT COAL	FUEL SAVINGS TOTAL OIL+GAS	FUEL SAVINGS TOTAL COAL	FESR	EMISSIONS SAVINGS DIRECT NOX	EMISSIONS SAVINGS DIRECT SOX	EMISSIONS SAVINGS DIRECT PART	EMISSIONS SAVINGS TOTAL NOX	EMISSIONS SAVINGS TOTAL SOX	EMISSIONS SAVINGS TOTAL PART	EMSR	CAPITL SAVING	ELECTRIC POWER TOTAL EXPORT MWH	ELECTRIC POWER COST	ELECTRIC POWER LAEC SAVED
22	GTR316	DISTIL	0.	-0.013	0.	0.010	0.19	-6.	-3.	0.	2.	10.	2.	0.48	169.	2.	22.	-27.
24	GTR316	DISTIL	0.	-0.008	0.	0.006	0.02	-1.	-2.	0.	3.	6.	1.	0.09	-169.	0.	-249.	-47.
26	GTR316	DISTIL	0.	-0.137	0.	0.102	0.19	-53.	-28.	1.	24.	105.	18.	0.49	1478.	16.	341.	-155.
28	GTR316	DISTIL	0.	-1.086	0.	0.742	1.26	-464.	-230.	3.	129.	789.	136.	0.46	10889.	141.	1894.	-1766.
29	GTR316	DISTIL	0.	-0.097	0.	0.068	0.17	-42.	-20.	0.	12.	71.	12.	0.47	1034.	13.	247.	-142.
33	GTR316	DISTIL	0.	-0.057	0.	0.040	0.03	-20.	-12.	0.	11.	42.	7.	0.34	713.	0.	-93.	16.
ALL	GTR316	DISTIL	0.	-2.394	0.	1.694	0.32	-1006.	-500.	8.	320.	1779.	308.	0.46	26883.	297.	2497.	-4455.
20	FCPADS	DISTIL	0.	-0.241	0.	0.173	0.42	-30.	42.	5.	104.	272.	34.	0.85	3677.	32.	-923.	-1324.
22	FCPADS	DISTIL	0.	-0.019	0.	0.009	0.17	-3.	2.	0.	6.	17.	2.	0.85	108.	2.	-35.	-83.
24	FCPADS	DISTIL	0.	-0.019	0.	0.009	0.03	-4.	-5.	-0.	5.	11.	2.	0.17	-71.	0.	-232.	-73.
26	FCPADS	DISTIL	0.	-0.188	0.	0.091	0.17	-30.	13.	2.	60.	168.	20.	0.83	859.	23.	-203.	-725.
28	FCPADS	DISTIL	0.	-1.518	0.	0.735	1.23	-237.	149.	19.	490.	1393.	167.	0.84	7269.	182.	-1852.	-5874.
29	FCPADS	DISTIL	0.	-0.128	0.	0.062	0.15	-20.	13.	2.	42.	118.	14.	0.85	653.	17.	-105.	-496.
33	FCPADS	DISTIL	0.	-0.098	0.	0.047	0.03	-16.	5.	1.	31.	85.	10.	0.82	545.	1.	-158.	-245.
ALL	FCPADS	DISTIL	0.	-3.259	0.	1.662	0.31	-502.	323.	42.	1088.	3041.	369.	0.84	19220.	381.	-5169.	-12998.
20	FCMCDS	DISTIL	0.	-0.273	0.	0.211	0.52	-245.	39.	-0.	-88.	307.	32.	0.46	3243.	40.	-1286.	-1648.
22	FCMCDS	DISTIL	0.	-0.015	0.	0.012	0.22	-14.	2.	-0.	-5.	17.	2.	0.46	89.	2.	-23.	-67.
24	FCMCDS	DISTIL	0.	-0.013	0.	0.010	0.03	-2.	-3.	-0.	5.	10.	1.	0.15	-93.	0.	-226.	-51.
26	FCMCDS	DISTIL	0.	-0.152	0.	0.118	0.22	-126.	16.	-0.	-38.	165.	18.	0.48	718.	21.	-81.	-555.
28	FCMCDS	DISTIL	0.	-1.192	0.	0.922	1.57	-1077.	175.	-2.	-393.	1345.	141.	0.46	5848.	166.	-865.	-4418.
29	FCMCDS	DISTIL	0.	-0.104	0.	0.080	0.20	-94.	15.	-0.	-35.	117.	12.	0.46	555.	16.	-23.	-385.
33	FCMCDS	DISTIL	0.	-0.074	0.	0.057	0.04	-56.	5.	-0.	-14.	78.	9.	0.44	424.	0.	-133.	-146.
ALL	FCMCDS	DISTIL	0.	-2.694	0.	2.064	0.39	-2386.	369.	-5.	-841.	3013.	319.	0.46	15944.	363.	-3934.	-10748.
20	STM141	COAL-A	0.	-0.029	0.	0.047	0.12	31.	-49.	-1.	56.	-3.	10.	0.28	-1996.	0.	-798.	-252.
22	STM141	COAL-A	0.	-0.004	0.	0.006	0.12	6.	-8.	-0.	9.	-2.	2.	0.26	-159.	0.	-43.	19.
24	STM141	COAL-A	0.	-0.002	0.	0.204	0.67	-0.	-1.	-0.	66.	111.	12.	0.99	-6005.	0.	-1926.	-1152.
26	STM141	COAL-A	0.	-0.012	0.	0.020	0.04	9.	-17.	-1.	20.	2.	3.	0.35	14.	0.	37.	110.
28	STM141	COAL-A	0.	-0.021	0.	0.035	0.06	52.	-64.	-1.	72.	-25.	12.	0.23	-520.	0.	-103.	341.
29	STM141	COAL-A	0.	-0.021	0.	0.035	0.08	30.	-44.	-1.	49.	-8.	8.	0.27	115.	0.	90.	313.
ALL	STM141	COAL-A	0.	-0.134	0.	0.523	0.10	191.	-275.	-7.	410.	113.	71.	0.27	-12869.	0.	-4130.	-933.
20	STM141	COAL-F	0.	-0.029	0.	0.047	0.12	-10.	-49.	-1.	16.	-3.	10.	0.08	-2579.	0.	-973.	-367.

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ISE PEO AES COGENERATION TECHNOLOGY ALTERNATIVES STUDY

FUEL UNITS = REPORT 6.1 FUEL AND EMISSIONS SAVINGS (SAVINGS ARE POSITIVE)

EMISSION UNITS= TIME 1990 LEVEL ALL

COST =$*10**9 TYPE MATCH=POWR

			*****FUEL SAVINGS*****					- - - EMISSIONS SAVINGS - - -							CAPITL	--ELECTRIC POWER---		
PROCS	ECS	ECS FUEL	****DIRECT***** OIL+GAS	COAL	-----TOTAL---- OIL+GAS	COAL	FESR	DIRECT NOX	SOX	PART	********TOTAL******** NOX	SOX	PART	EMSR	SAVING	TOTAL EXPORT MWH	COST SAVED	LAEC
22	STM141	COAL-F	0.	-0.004	0.	0.006	0.12	-1.	-8.	-0.	2.	-2.	2.	0.06	-223.	0.	-60.	10.
24	STM141	COAL-F	0.	-0.002	0.	0.204	0.67	-1.	-1.	-0.	65.	111.	12.	0.99	-7867.	0.	-2474.	-1511.
26	STM141	COAL-F	0.	-0.012	0.	0.020	0.04	-4.	-17.	-1.	7.	2.	3.	0.17	-51.	0.	22.	102.
28	STM141	COAL-F	0.	-0.021	0.	0.035	0.06	-7.	-64.	-1.	13.	-25.	12.	0.02	-855.	0.	-180.	298.
29	STM141	COAL-F	0.	-0.021	0.	0.035	0.08	-7.	-44.	-1.	12.	-8.	8.	0.07	-130.	0.	36.	284.
ALL	STM141	COAL-F	0.	-0.134	0.	0.523	0.10	-47.	-275.	-7.	172.	113.	71.	0.07	-17516.	0.	-5462.	-1782.
20	STM141	RESIDU	0.	-0.029	0.	0.047	0.12	-10.	-11.	-1.	14.	29.	2.	0.20	432.	0.	-159.	-110.
22	STM141	RESIDU	0.	-0.004	0.	0.006	0.12	-1.	-2.	-0.	2.	4.	0.	0.18	26.	0.	3.	3.
24	STM141	RESIDU	0.	-0.002	0.	0.204	0.67	-1.	-1.	-0.	65.	112.	12.	0.99	-335.	0.	-283.	-87.
26	STM141	RESIDU	0.	-0.012	0.	0.020	0.04	-4.	-5.	-1.	6.	13.	1.	0.27	254.	0.	90.	63.
28	STM141	RESIDU	0.	-0.021	0.	0.035	0.06	-7.	-9.	-1.	11.	22.	1.	0.14	326.	0.	114.	80.
29	STM141	RESIDU	0.	-0.021	0.	0.035	0.08	-7.	-8.	-1.	10.	21.	1.	0.18	429.	0.	159.	112.
ALL	STM141	RESIDU	0.	-0.134	0.	0.523	0.10	-47.	-53.	-7.	164.	302.	27.	0.18	1704.	0.	-114.	91.
20	STM088	COAL-A	0.	-0.009	0.	0.015	0.04	27.	-31.	-0.	35.	-14.	6.	0.20	-1488.	0.	-514.	-127.
22	STM088	COAL-A	0.	-0.004	0.	0.006	0.12	6.	-8.	-0.	9.	-2.	2.	0.26	-117.	0.	-32.	26.
28	STM088	COAL-A	0.	-0.012	0.	0.020	0.03	36.	-42.	-1.	47.	-19.	8.	0.20	-777.	0.	-197.	148.
ALL	STM088	COAL-A	0.	-0.048	0.	0.080	0.01	131.	-157.	-2.	177.	-68.	31.	0.21	-4603.	0.	-1435.	90.
20	STM088	COAL-F	0.	-0.009	0.	0.015	0.04	-3.	-31.	-0.	5.	-14.	6.	-0.02	-1731.	0.	-586.	-172.
22	STM088	COAL-F	0.	-0.004	0.	0.006	0.12	-1.	-8.	-0.	2.	-2.	2.	0.06	[illegible]	0.	-51.	15.
28	STM088	COAL-F	0.	-0.012	0.	0.020	0.03	-4.	-42.	-1.	8.	-19.	8.	-0.02	-983.	0.	-248.	118.
ALL	STM088	COAL-F	0.	-0.048	0.	0.080	0.01	-17.	-157.	-2.	29.	-68.	31.	-0.00	-5652.	0.	-1708.	-76.
20	STM088	RESIDU	0.	-0.009	0.	0.015	0.04	-3.	-4.	-0.	4.	9.	1.	0.10	746.	0.	58.	19.
22	STM088	RESIDU	0.	-0.004	0.	0.006	0.12	-1.	-2.	-0.	2.	4.	0.	0.18	43.	0.	8.	6.
28	STM088	RESIDU	0.	-0.012	0.	0.020	0.03	-4.	-5.	-1.	6.	13.	1.	0.11	48.	0.	21.	15.
ALL	STM088	RESIDU	0.	-0.048	0.	0.080	0.01	-17.	-19.	-2.	24.	49.	3.	0.12	1618.	0.	168.	77.
20	PFBSTM	COAL-P	0.	-0.036	0.	0.058	0.14	40.	-57.	2.	71.	-0.	15.	0.32	-5025.	0.	-1748.	-822.

FUEL UNITS =
EMISSION UNITS=
COST =$*10**9

REPORT 6.1 FUEL AND EMISSIONS SAVINGS (SAVINGS ARE POSITIVE)
TIME 1990 LEVEL ALL
TYPE MATCH=POWR

PROCS	ECS	ECS FUEL	*****FUEL SAVINGS***** DIRECT OIL+GAS	DIRECT COAL	TOTAL OIL+GAS	TOTAL COAL	FESR	---EMISSIONS SAVINGS--- DIRECT NOX	DIRECT SOX	DIRECT PART	******** TOTAL NOX	TOTAL SOX	TOTAL PART	EMSR	CAPITL SAVING	ELECTRIC POWER TOTAL EXPORT MWH	ELECTRIC POWER COST	ELECTRIC POWER LAEC SAVED
22	PFBSTM	COAL-P	0.	-0.004	0.	0.006	0.12	6.	-8.	0.	10.	-2.	2.	0.30	-254.	0.	-68.	4.
24	PFBSTM	COAL-P	0.	-0.005	0.	0.200	0.66	-1.	-3.	-0.	65.	109.	12.	0.98	-11548.	0.	-3396.	-2058.
26	PFBSTM	COAL-P	0.	-0.044	0.	0.068	0.12	33.	-57.	1.	71.	9.	14.	0.40	-251.	0.	33.	297.
28	PFBSTM	COAL-P	0.	-0.068	0.	0.101	0.17	208.	-226.	8.	270.	-106.	54.	0.27	-2691.	0.	-650.	1039.
29	PFBSTM	COAL-P	0.	-0.022	0.	0.034	0.08	36.	-44.	2.	55.	-9.	12.	0.31	-100.	0.	23.	269.
ALL	PFBSTM	COAL-P	0.	-0.243	0.	0.638	0.12	442.	-539.	18.	740.	1.	149.	0.33	-27152.	0.	-7935.	-1737.
20	TISTMT	COAL	0.	-0.036	0.	0.058	0.14	-13.	-57.	-2.	19.	-1.	11.	0.08	-12268.	0.	-3514.	-1850.
22	TISTMT	COAL	0.	-0.004	0.	0.006	0.12	-1.	-8.	-0.	2.	-2.	2.	0.06	-602.	0.	-149.	-41.
24	TISTMT	COAL	0.	-0.004	0.	0.201	0.66	-1.	-2.	-0.	65.	110.	12.	0.98	-24223.	0.	-6417.	-3788.
26	TISTMT	COAL	0.	-0.043	0.	0.069	0.13	-15.	-57.	-2.	22.	9.	11.	0.16	-2365.	0.	-435.	44.
28	TISTMT	COAL	0.	-0.022	0.	0.035	0.06	-8.	-64.	-1.	12.	-25.	12.	0.01	-2164.	0.	-486.	125.
29	TISTMT	COAL	0.	-0.022	0.	0.034	0.08	-8.	-44.	-1.	12.	-9.	8.	0.06	-1083.	0.	-190.	156.
ALL	TISTMT	COAL	0.	-0.190	0.	0.583	0.11	-66.	-337.	-9.	191.	119.	81.	0.09	-61910.	0.	-16223.	-7760.
20	TISTMT	RESIDU	0.	-0.036	0.	0.058	0.14	-13.	-14.	-2.	17.	36.	2.	0.20	-7237.	0.	-2147.	-1271.
22	TISTMT	RESIDU	0.	-0.004	0.	0.006	0.12	-1.	-2.	-0.	2.	4.	0.	0.17	-319.	0.	-78.	-43.
26	TISTMT	RESIDU	0.	-0.043	0.	0.069	0.13	-15.	-17.	-2.	21.	43.	3.	0.28	-1287.	0.	-204.	-76.
28	TISTMT	RESIDU	0.	-0.022	0.	0.035	0.06	-3.	-9.	-1.	10.	22.	1.	0.13	-946.	0.	-186.	-91.
29	TISTMT	RESIDU	0.	-0.022	0.	0.034	0.08	-8.	-9.	-1.	10.	21.	1.	0.18	-475.	0.	-56.	-12.
ALL	TISTMT	RESIDU	0.	-0.192	0.	0.304	0.06	-67.	-77.	-10.	91.	189.	12.	0.19	-15537.	0.	-4043.	-2261.
20	TIHRSG	COAL	0.	-0.011	0.	0.013	0.03	-4.	-32.	-1.	5.	-16.	6.	-0.04	-5034.	0.	-1346.	-598.
22	TIHRSG	COAL	0.	-0.005	0.	0.005	0.09	-2.	-9.	-0.	2.	-2.	1.	0.02	-842.	0.	-205.	-73.
24	TIHRSG	COAL	0.	-0.039	0.	0.166	0.55	-13.	-23.	-2.	52.	89.	10.	0.78	-31265.	0.	-7920.	-4582.
26	TIHRSG	COAL	0.	-0.031	0.	0.026	0.05	-11.	-36.	-2.	8.	-3.	5.	0.08	-2035.	0.	-434.	-91.
28	TIHRSG	COAL	0.	-0.268	0.	0.088	0.15	-94.	-444.	-13.	31.	-207.	64.	-0.02	-22585.	0.	-5470.	-1016.
29	TIHRSG	COAL	0.	-0.036	0.	0.019	0.05	-13.	-53.	-2.	6.	-18.	8.	-0.02	-1677.	0.	-357.	46.
ALL	TIHRSG	COAL	0.	-0.530	0.	0.430	0.08	-186.	-813.	-27.	142.	-214.	129.	0.01	-86337.	0.	-21410.	-8595.
20	TIHRSG	RESIDU	0.	-0.011	0.	0.013	0.03	-4.	-4.	-1.	4.	8.	0.	0.09	-2247.	0.	-638.	-360.
22	TIHRSG	RESIDU	0.	-0.005	0.	0.005	0.09	-2.	-2.	-0.	1.	3.	0.	0.14	-533.	0.	-131.	-72.
26	TIHRSG	RESIDU	0.	-0.046	0.	0.018	0.03	-16.	-18.	-2.	4.	15.	-0.	0.14	-1461.	0.	-354.	-209.
28	TIHRSG	RESIDU	0.	-0.074	0.	0.024	0.04	-26.	-30.	-4.	5.	22.	-1.	0.08	-3619.	0.	-908.	-539.

ISE PEG AES COGENERATION TECHNOLOGY ALTERNATIVES STUDY

FUEL UNITS = REPORT 6.1 FUEL AND EMISSIONS SAVINGS (SAVINGS ARE POSITIVE)

EMISSION UNITS= TIME 1990 LEVEL ALL

COST =$*10**9 TYPE MATCH=POWR

PROCS	ECS	ECS FUEL	*****FUEL SAVINGS***** DIRECT OIL+GAS	DIRECT COAL	TOTAL OIL+GAS	TOTAL COAL	FESR	EMISSIONS SAVINGS DIRECT NOX	DIRECT SOX	DIRECT PART	TOTAL NOX	TOTAL SOX	TOTAL PART	EMSR	CAPITL SAVING	ELECTRIC POWER TOTAL EXPORT MWH	COST	LAEC SAVED
29	TIHRSG	RESIDU	0.	-0.036	0.	0.019	0.05	-13.	-15.	-2.	5.	15.	0.	0.11	-988.	0.	-223.	-127.
ALL	TIHRSG	RESIDU	0.	-0.299	0.	0.136	0.03	-105.	-120.	-15.	33.	110.	-1.	0.10	-15334.	0.	-3905.	-2265.
20	STIRL	COAL	0.	-0.045	0.	0.046	0.11	-16.	-62.	-2.	15.	-7.	10.	0.04	-3507.	0.	-1407.	-619.
22	STIRL	COAL	0.	-0.006	0.	0.005	0.08	-2.	-9.	-0.	2.	-3.	1.	0.01	-237.	0.	-65.	7.
24	STIRL	COAL	0.	-0.069	0.	0.188	0.62	-24.	-42.	-3.	59.	99.	12.	0.[illegible]	-9078.	0.	-2778.	-1647.
26	STIRL	COAL	0.	-0.062	0.	0.050	0.09	-22.	-68.	-3.	15.	-2.	10.	0.10	-832.	0.	-111.	215.
28	STIRL	COAL	0.	-0.034	0.	0.024	0.04	-12.	-72.	-2.	9.	-33.	12.	-0.03	-1239.	0.	-287.	243.
29	STIRL	COAL	0.	-0.032	0.	0.023	0.06	-11.	-50.	-2.	8.	-15.	8.	0.00	-552.	0.	-86.	208.
ALL	STIRL	COAL	0.	-0.357	0.	0.483	0.09	-125.	-436.	-18.	154.	56.	76.	0.03	-22292.	0.	-6805.	-2293.
20	STIRL	DISTIL	0.	-0.045	0.	0.046	0.11	10.	8.	5.	41.	63.	17.	0.49	731.	0.	-282.	-361.
22	STIRL	DISTIL	0.	-0.006	0.	0.005	0.08	2.	2.	1.	6.	8.	3.	0.48	4.	0.	-10.	-32.
26	STIRL	DISTIL	0.	-0.062	0.	0.050	0.09	4.	1.	4.	41.	67.	17.	0.52	260.	0.	54.	-112.
28	STIRL	DISTIL	0.	-0.034	0.	0.024	0.04	23.	21.	8.	44.	61.	22.	0.45	-20.	0.	-25.	-241.
29	STIRL	DISTIL	0.	-0.032	0.	0.023	0.06	11.	9.	5.	30.	44.	14.	0.47	102.	0.	21.	-125.
ALL	STIRL	DISTIL	0.	-0.269	0.	0.222	0.04	77.	61.	34.	244.	365.	109.	0.48	1622.	0.	-364.	-1310.
20	STIRL	RESIDU	0.	-0.045	0.	0.046	0.11	-16.	-18.	-5.	13.	30.	-1.	0.15	729.	0.	-249.	-181.
22	STIRL	RESIDU	0.	-0.006	0.	0.005	0.08	-2.	-2.	-1.	1.	3.	-0.	0.12	4.	0.	-6.	-4.
26	STIRL	RESIDU	0.	-0.062	0.	0.050	0.09	-22.	-25.	-5.	14.	34.	-1.	0.20	259.	0.	99.	66.
28	STIRL	RESIDU	0.	-0.034	0.	0.024	0.04	-12.	-13.	-4.	7.	17.	-2.	0.03	-20.	0.	-1.	-0.
29	STIRL	RESIDU	0.	-0.032	0.	0.023	0.06	-11.	-13.	-4.	6.	17.	-2.	0.11	101.	0.	45.	29.
ALL	STIRL	RESIDU	0.	-0.269	0.	0.222	0.04	-94.	-108.	-27.	62.	153.	-8.	0.13	1615.	0.	-168.	-138.
20	HEGT85	COAL-A	0.	-0.049	0.	0.038	0.09	25.	-62.	-2.	54.	-10.	9.	0.21	-9571.	0.	-2711.	-1354.
22	HEGT85	COAL-A	0.	-0.008	0.	0.002	0.04	5.	-11.	-0.	8.	-4.	1.	0.15	-460.	0.	-124.	-30.
24	HEGT85	COAL-A	0.	-0.045	0.	0.051	0.17	-6.	-27.	-2.	25.	26.	3.	0.60	-11461.	0.	-3121.	-1852.
26	HEGT85	COAL-A	0.	-0.118	0.	0.020	0.04	19.	-107.	-6.	65.	-26.	9.	0.17	-2053.	0.	-454.	18.
28	HEGT85	COAL-A	0.	-0.047	0.	0.011	0.02	0.	-37.	-2.	19.	-3.	3.	0.23	-638.	0.	-127.	-1.
33	HEGT85	COAL-A	0.	-0.042	0.	0.007	0.00	-4.	-29.	-2.	12.	-2.	2.	0.19	-936.	0.	-218.	-92.
ALL	HEGT85	COAL-A	0.	-0.414	0.	0.172	0.03	53.	-364.	-21.	246.	-26.	37.	0.20	-33678.	0.	-9049.	-4449.
20	HEGT60	COAL-A	0.	-0.064	0.	0.030	0.07	25.	-74.	-3.	56.	-17.	9.	0.18	-10058.	0.	-2886.	-1450.

ISE PEG AES COGENERATION TECHNOLOGY ALTERNATIVES STUDY

FUEL UNITS =
EMISSION UNITS=
COST =$*10**9

REPORT 6.1 FUEL AND EMISSIONS SAVINGS (SAVINGS ARE POSITIVE)
TIME 1990 LEVEL ALL
TYPE MATCH=POWR

PROCS	ECS	ECS FUEL	FUEL SAVINGS DIRECT OIL+GAS	FUEL SAVINGS DIRECT COAL	FUEL SAVINGS TOTAL OIL+GAS	FUEL SAVINGS TOTAL COAL	FESR	EMISSIONS SAVINGS DIRECT NOX	EMISSIONS SAVINGS DIRECT SOX	EMISSIONS SAVINGS DIRECT PART	EMISSIONS SAVINGS TOTAL NOX	EMISSIONS SAVINGS TOTAL SOX	EMISSIONS SAVINGS TOTAL PART	EMSR	CAPITL SAVING	ELECTRIC POWER TOTAL EXPORT MWH	ELECTRIC POWER COST	ELECTRIC POWER LAEC SAVED
22	HEGT60	COAL-A	0.	-0.008	0.	0.002	0.04	4.	-10.	-0.	8.	-4.	1.	0.15	-460.	0.	-119.	-27.
24	HEGT60	COAL-A	0.	-0.139	0.	0.116	0.38	-19.	-84.	-7.	69.	56.	8.	0.49	-20216.	0.	-5374.	-3172.
26	HEGT60	COAL-A	0.	-0.112	0.	0.026	0.05	19.	-103.	-6.	64.	-22.	10.	0.18	-1880.	0.	-401.	54.
28	HEGT60	COAL-A	0.	-0.042	0.	0.010	0.02	36.	-66.	-2.	54.	-32.	9.	0.18	-2142.	0.	-536.	-7.
29	HEGT60	COAL-A	0.	-0.055	0.	0.001	0.00	23.	-64.	-3.	42.	-29.	7.	0.11	-705.	0.	-165.	135.
33	HEGT60	COAL-A	0.	-0.063	0.	0.004	0.00	-9.	-40.	-3.	13.	-3.	1.	0.15	-91.	0.	-36.	3.
ALL	HEGT60	COAL-A	0.	-0.661	0.	0.258	0.05	107.	-605.	-33.	411.	-71.	63.	0.18	-48780.	0.	-13059.	-6129.
20	HEGT00	COAL-A	0.	-0.054	0.	0.022	0.05	21.	-65.	-3.	47.	-18.	8.	0.17	-6048.	0.	-1740.	-786.
22	HEGT00	COAL-A	0.	-0.008	0.	0.002	0.05	4.	-10.	-0.	8.	-4.	1.	0.15	-428.	0.	-111.	-22.
24	HEGT00	COAL-A	0.	-0.084	0.	0.121	0.40	-11.	-50.	-4.	54.	61.	8.	0.65	-17190.	0.	-4614.	-2719.
26	HEGT00	COAL-A	0.	-0.087	0.	0.025	0.05	15.	-83.	-4.	52.	-17.	8.	0.18	-1294.	0.	-266.	95.
28	HEGT00	COAL-A	0.	-0.417	0.	0.077	0.13	325.	-643.	-21.	499.	-314.	87.	0.18	-16151.	0.	-4050.	571.
29	HEGT00	COAL-A	0.	-0.046	0.	0.010	0.02	22.	-58.	-2.	41.	-23.	7.	0.14	-550.	0.	-112.	174.
ALL	HEGT00	COAL-A	0.	-0.894	0.	0.331	0.06	486.	-1170.	-45.	903.	-405.	155.	0.17	-53598.	0.	-14014.	-3456.
20	FCMCCL	COAL	0.	-0.033	0.	0.038	0.09	14.	3.	2.	38.	45.	10.	0.42	-6088	0.	-1815.	-950.
22	FCMCCL	COAL	0.	-0.005	0.	0.005	0.10	2.	-2.	0.	6.	4.	2.	0.34	-410.	0.	-103.	-17.
26	FCMCCL	COAL	0.	-0.034	0.	0.039	0.07	15.	6.	2.	40.	50.	10.	0.73	-919.	0.	-158.	83.
28	FCMCCL	COAL	0.	-0.022	0.	0.025	0.04	9.	-20.	1.	26.	11.	11.	0.25	-1488.	0.	-347.	74.
29	FCMCCL	COAL	0.	-0.026	0.	0.029	0.07	11.	-12.	1.	30.	24.	11.	0.35	-576.	0.	-89.	200.
ALL	FCMCCL	COAL	0.	-0.194	0.	0.222	0.04	85.	-39.	11.	226.	216.	73.	0.39	-15375.	0.	-4074.	-989.
20	FCSTCL	COAL	0.	-0.031	0.	0.039	0.10	8.	-7.	1.	32.	34.	9.	0.33	-5871.	0.	-1827.	-983.
22	FCSTCL	COAL	0.	-0.004	0.	0.006	0.10	1.	-3.	0.	5.	3.	2.	0.28	-393.	0.	-100.	-15.
26	FCSTCL	COAL	0.	-0.033	0.	0.041	0.07	10.	-2.	1.	35.	41.	10.	0.63	-890.	0.	-150.	89.
28	FCSTCL	COAL	0.	-0.023	0.	0.028	0.05	8.	-26.	1.	26.	8.	12.	0.28	-1170.	0.	-259.	151.
29	FCSTCL	COAL	0.	-0.025	0.	0.031	0.07	8.	-17.	1.	27.	18.	11.	0.30	-551.	0.	-80.	207.
33	FCSTCL	COAL	0.	-0.013	0.	0.017	0.01	4.	5.	1.	14.	21.	3.	0.98	-94.	0.	-49.	3.
ALL	FCSTCL	COAL	0.	-0.204	0.	0.253	0.05	62.	-80.	8.	216.	198.	72.	0.39	-14396.	0.	-3871.	-863.
20	IGGTST	COAL	0.	-0.038	0.	0.032	0.08	-13.	-44.	1.	10.	-3.	10.	0.05	-6309.	0.	-1989.	-1103.
22	IGGTST	COAL	0.	-0.006	0.	0.004	0.08	-2.	-9.	0.	1.	-3.	2.	0.02	-393.	0.	-102.	-18.
26	IGGTST	COAL	0.	-0.042	0.	0.032	0.06	-15.	-45.	2.	10.	-1.	10.	0.15	-836.	0.	-138.	94.

ISE PEG AES COGENERATION TECHNOLOGY ALTERNATIVES STUDY

FUEL UNITS =
EMISSION UNITS=
COST =$*10**9

REPORT 6.1 FUEL AND EMISSIONS SAVINGS (SAVINGS ARE POSITIVE)
TIME 1990 LEVEL ALL
TYPE MATCH=POWR

PROCS	ECS	ECS FUEL	FUEL SAVINGS DIRECT OIL+GAS	FUEL SAVINGS DIRECT COAL	FUEL SAVINGS TOTAL OIL+GAS	FUEL SAVINGS TOTAL COAL	EMISSIONS SAVINGS FESR	EMISSIONS SAVINGS DIRECT NOX	EMISSIONS SAVINGS DIRECT SOX	EMISSIONS SAVINGS DIRECT PART	EMISSIONS SAVINGS TOTAL NOX	EMISSIONS SAVINGS TOTAL SOX	EMISSIONS SAVINGS TOTAL PART	EMSR	CAPITL SAVING	ELECTRIC POWER TOTAL EXPORT MWH	ELECTRIC POWER COST	ELECTRIC POWER LAEC SAVED
28	IGGTST	COAL	0.	-0.025	0.	0.018	0.03	-9.	-49.	1.	6.	-20.	10.	-0.00	-939.	0.	-211.	138.
29	IGGTST	COAL	0.	-0.032	0.	0.024	0.06	-11.	-50.	1.	8.	-15.	11.	0.02	-485.	0.	-65.	214.
ALL	IGGTST	COAL	0.	-0.232	0.	0.181	0.03	-81.	-321.	9.	58.	-68.	70.	0.04	-14615.	0.	-4083.	-1100.
20	GTSOAR	RESIDU	-0.048	0.	-0.048	0.094	0.11	-18.	-18.	-0.	12.	33.	5.	0.25	6.	0.	-402.	-256.
22	GTSOAR	RESIDU	-0.005	0.	-0.005	0.010	0.09	-2.	-2.	-0.	1.	3.	1.	0.22	11.	0.	-4.	-2.
26	GTSOAR	RESIDU	-0.076	0.	-0.076	0.138	0.11	-20.	-29.	-1.	25.	47.	8.	0.37	679.	0.	213.	134.
28	GTSOAR	RESIDU	-0.049	0.	-0.049	0.077	0.05	-17.	-18.	-0.	8.	24.	4.	0.16	90.	0.	7.	-5.
29	GTSOAR	RESIDU	-0.033	0.	-0.033	0.056	0.05	-12.	-13.	-0.	6.	18.	3.	0.21	254.	0.	79.	46.
ALL	GTSOAR	RESIDU	-0.309	0.	-0.309	0.545	0.04	-101.	-116.	-2.	74.	182.	30.	0.25	1517.	0.	-155.	-121.
20	GTAC08	RESIDU	0.	-0.045	0.	0.049	0.12	-41.	-18.	-5.	-11.	32.	-1.	0.06	555.	0.	-254.	-165.
22	GTAC08	RESIDU	0.	-0.005	0.	0.005	0.10	-5.	-2.	-1.	-1.	3.	-0.	0.06	28.	0.	3.	3.
26	GTAC08	RESIDU	0.	-0.052	0.	0.060	0.11	-35.	-21.	-4.	1.	39.	0.	0.16	635.	0.	224.	155
28	GTAC08	RESIDU	0.	-0.032	0.	0.036	0.06	-31.	-13.	-4.	-9.	24.	-1.	0.05	168.	0.	65.	49.
29	GTAC08	RESIDU	0.	-0.026	0.	0.030	0.07	-26.	-10.	-3.	-8.	19.	-1.	0.06	334.	0.	122.	83.
ALL	GTAC08	RESIDU	0.	-0.238	0.	0.269	0.05	-204.	-95.	-25.	-43.	175.	-4.	0.08	2568.	0.	237.	187.
20	GTAC12	RESIDU	0.	-0.044	0.	0.050	0.12	-38.	-17.	-5.	-8.	32.	-1.	0.08	523.	0.	-254.	-170.
22	GTAC12	RESIDU	0.	-0.005	0.	0.005	0.10	-4.	-2.	-1.	-1.	3.	-0.	0.07	27.	0.	3.	3.
26	GTAC12	RESIDU	0.	-0.066	0.	0.072	0.13	-41.	-26.	-5.	3.	47.	0.	0.17	742.	0.	263.	181.
28	GTAC12	RESIDU	0.	-0.032	0.	0.036	0.06	-29.	-13.	-3.	-7.	23.	-1.	0.05	161.	0.	63.	48.
29	GTAC12	RESIDU	0.	-0.027	0.	0.029	0.07	-24.	-11.	-3.	-6.	19.	-1.	0.07	291.	0.	110.	76.
ALL	GTAC12	RESIDU	0.	-0.253	0.	0.281	0.05	-198.	-101.	-24.	-28.	183.	-3.	0.09	2551.	0.	255.	201.
20	GTAC16	RESIDU	0.	-0.044	0.	0.050	0.12	-35.	-17.	-4.	-7.	32.	-1.	0.08	393.	0.	-296.	-189.
22	GTAC16	RESIDU	0.	-0.005	0.	0.005	0.10	-4.	-2.	-1.	-1.	3.	-0.	0.07	22.	0.	1.	2.
24	GTAC16	RESIDU	0.	-0.250	0.	0.005	0.02	-96.	-100.	-13.	-16.	32.	-8.	-0.08	-85.	0.	-829.	-724.
26	GTAC16	RESIDU	0.	-0.067	0.	0.071	0.13	-39.	-27.	-5.	4.	47.	0.	0.17	696.	0.	247.	170.
28	GTAC16	RESIDU	0.	-0.044	0.	0.044	0.07	-37.	-18.	-4.	-9.	29.	-1.	0.06	182.	0.	67.	49.
29	GTAC16	RESIDU	0.	-0.028	0.	0.028	0.07	-23.	-11.	-3.	-6.	18.	-1.	0.07	268.	0.	100.	68.
ALL	GTAC16	RESIDU	0.	-0.627	0.	0.290	0.05	-339.	-251.	-44.	-49.	232.	-15.	0.10	2114.	0.	-1017.	-894.
20	GTWC16	RESIDU	0.	-0.050	0.	0.044	0.11	-39.	-20.	-5.	-9.	30.	-1.	0.06	89.	0.	-392.	-256.

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DATE 06/21/79 — GENERAL ELECTRIC COMPANY — PAGE 19

ISE PEG AES — COGENERATION TECHNOLOGY ALTERNATIVES STUDY

FUEL UNITS =
EMISSION UNITS=
COST =$*10**9

REPORT 6.1 FUEL AND EMISSIONS SAVINGS (SAVINGS ARE POSITIVE)
TIME 1990 LEVEL ALL
TYPE MATCH=POWR

PROCS	ECS	ECS FUEL	*****FUEL SAVINGS**** DIRECT***** OIL+GAS	COAL	TOTAL---FESR OIL+GAS	COAL	EMISSIONS SAVINGS - - - DIRECT-------- NOX	SOX	PART	********TOTAL******** NOX	SOX	PART	EMSR	CAPITL SAVING	ELECTRIC POWER--- TOTAL EXPORT MWH	COST	LAEC SAVED
22	GTWC16	RESIDU	0.	-0.005	0.	0.005	0.09	-4.	-2.	-1.	-1.	3.	-0.	0.05	15.	0.	-2.	-1.
24	GTWC16	RESIDU	0.	-0.050	0.	0.001	0.00	-26.	-20.	-3.	-10.	7.	-2.	-0.12	96.	0.	-43.	-62.
26	GTWC16	RESIDU	0.	-0.073	0.	0.064	0.12	-43.	-29.	-5.	1.	44.	-0.	0.15	705.	0.	228.	148.
28	GTWC16	RESIDU	0.	-0.045	0.	0.040	0.07	-37.	-18.	-4.	-10.	27.	-1.	0.08	137.	0.	47.	33.
29	GTWC16	RESIDU	0.	-0.030	0.	0.026	0.06	-24.	-12.	-3.	-7.	18.	-1.	0.05	278.	0.	97.	63.
ALL	GTWC16	RESIDU	0.	-0.364	0.	0.259	0.05	-250.	-146.	-31.	-52.	184.	-9.	0.08	1898.	0.	-93.	-107.
20	CC1626	RESIDU	0.	-0.049	0.	0.044	0.11	-34.	-20.	-4.	-5.	30.	-1.	0.08	-80.	0.	-513.	-377.
22	CC1626	RESIDU	0.	-0.005	0.	0.005	0.09	-4.	-2.	-0.	-1.	3.	-0.	0.07	13.	0.	-5.	-4.
24	CC1626	RESIDU	0.	-0.217	0.	0.035	0.12	-81.	-87.	-11.	-2.	45.	-5.	0.11	-718.	0.	-1024.	-866.
26	CC1626	RESIDU	0.	-0.074	0.	0.064	0.12	-37.	-30.	-5.	7.	43.	0.	0.17	652.	0.	208.	129.
28	CC1626	RESIDU	0.	-0.033	0.	0.028	0.05	-24.	-13.	-3.	-5.	19.	-1.	0.06	201.	0.	57.	32.
29	CC1626	RESIDU	0.	-0.030	0.	0.025	0.06	-23.	-12.	-3.	-5.	17.	-1.	0.06	275.	0.	92.	57.
33	CC1626	RESIDU	0.	-0.073	0.	0.028	0.02	-48.	-29.	-6.	-16.	24.	-3.	0.07	839.	0.	135.	58.
ALL	CC1626	RESIDU	0.	-0.691	0.	0.328	0.06	-361.	-276.	-47.	-38.	260.	-14.	0.09	1695.	0.	-1512.	-1392.
20	CC1622	RESIDU	0.	-0.047	0.	0.046	0.11	-34.	-19.	-4.	-4.	31.	-1.	0.09	161.	0.	-453.	-336.
22	CC1622	RESIDU	0.	-0.005	0.	0.005	0.09	-4.	-2.	-0.	-1.	3.	-0.	0.07	20.	0.	-2.	-2.
24	CC1622	RESIDU	0.	-0.220	0.	0.032	0.10	-83.	-88.	-12.	-4.	43.	-6.	0.09	-319.	0.	-937.	-821.
26	CC1622	RESIDU	0.	-0.071	0.	0.067	0.12	-36.	-28.	-5.	8.	45.	1.	0.18	652.	0.	218.	141.
28	CC1622	RESIDU	0.	-0.032	0.	0.029	0.05	-24.	-13.	-3.	-5.	20.	-1.	0.06	211.	0.	64.	38.
29	CC1622	RESIDU	0.	-0.029	0.	0.027	0.07	-22.	-12.	-3.	-5.	18.	-1.	0.07	269.	0.	95.	61.
33	CC1622	RESIDU	0.	-0.025	0.	0.023	0.01	-19.	-10.	-2.	-4.	16.	-1.	0.18	227.	0.	64.	42.
ALL	CC1622	RESIDU	0.	-0.617	0.	0.329	0.06	-320.	-247.	-42.	-20.	252.	-11.	0.11	1758.	0.	-1370.	-1264.
20	CC1222	RESIDU	0.	-0.047	0.	0.047	0.11	-33.	-19.	-4.	-4.	31.	-0.	0.09	275.	0.	-425.	-319.
22	CC1222	RESIDU	0.	-0.005	0.	0.005	0.09	-4.	-2.	-0.	-1.	3.	-0.	0.07	24.	0.	-1.	-1.
24	CC1222	RESIDU	0.	-0.219	0.	0.032	0.11	-83.	-88.	-12.	-3.	43.	-5.	0.09	-89.	0.	-881.	-789.
26	CC1222	RESIDU	0.	-0.070	0.	0.067	0.12	-36.	-28.	-5.	8.	45.	1.	0.19	685.	0.	228.	147.
28	CC1222	RESIDU	0.	-0.031	0.	0.029	0.05	-24.	-12.	-3.	-5.	20.	-1.	0.06	229.	0.	69.	41.
29	CC1222	RESIDU	0.	-0.029	0.	0.027	0.07	-22.	-11.	-3.	-5.	18.	-1.	0.07	281.	0.	99.	63.
33	CC1222	RESIDU	0.	-0.025	0.	0.024	0.01	-19.	-10.	-2.	-4.	16.	-0.	0.19	243.	0.	69.	45.
ALL	CC1222	RESIDU	0.	-0.614	0.	0.332	0.06	-318.	-246.	-42.	-19.	254.	-10.	0.11	2375.	0.	-1214.	-1169.
20	CC0822	RESIDU	0.	-0.044	0.	0.050	0.12	-33.	-18.	-4.	-3.	32.	-0.	0.10	115.	0.	-451.	-327.

ISE PEG AES COGENERATION TECHNOLOGY ALTERNATIVES STUDY

FUEL UNITS = COGENERATION REPORT 6.1 FUEL AND EMISSIONS SAVINGS (SAVINGS ARE POSITIVE)

EMISSION UNITS= TIME 1990 LEVEL ALL

COST =$x10xx9 TYPE MATCH=POWR

PROCS	ECS	ECS FUEL	FUEL SAVINGS DIRECT OIL+GAS	FUEL SAVINGS DIRECT COAL	FUEL SAVINGS TOTAL OIL+GAS	FUEL SAVINGS TOTAL COAL	FESR	EMISSIONS SAVINGS DIRECT NOX	EMISSIONS SAVINGS DIRECT SOX	EMISSIONS SAVINGS DIRECT PART	EMISSIONS SAVINGS TOTAL NOX	EMISSIONS SAVINGS TOTAL SOX	EMISSIONS SAVINGS TOTAL PART	EMSR	CAPITL SAVING	ELECTRIC POWER TOTAL EXPORT MWH	ELECTRIC POWER COST	ELECTRIC POWER LAEC SAVED
22	CC0822	RESIDU	0.	-0.005	0.	0.005	0.10	-4.	-2.	-0.	-1.	3.	-0.	0.08	20.	0.	-1.	-1.
24	CC0822	RESIDU	0.	-0.226	0.	0.016	0.05	-87.	-91.	-12.	-11.	35.	-7.	-0.01	-385.	0.	-970.	-856.
26	CC0822	RESIDU	0.	-0.066	0.	0.072	0.13	-36.	-26.	-5.	8.	47.	1.	0.19	733.	0.	255.	171.
28	CC0822	RESIDU	0.	-0.029	0.	0.031	0.05	-24.	-12.	-3.	-5.	21.	-0.	0.07	226.	0.	75.	49.
29	CC0822	RESIDU	0.	-0.027	0.	0.029	0.07	-23.	-11.	-3.	-5.	19.	-1.	0.07	289.	0.	107.	71.
ALL	CC0822	RESIDU	0.	-0.582	0.	0.299	0.06	-304.	-233.	-40.	-25.	231.	-11.	0.11	1486.	0.	-1448.	-1312.
20	STIG15	RESIDU	0.	-0.077	0.	0.016	0.04	-45.	-31.	-2.	-15.	18.	0.	0.00	-386.	0.	-620.	-445.
22	STIG15	RESIDU	0.	-0.008	0.	0.002	0.03	-5.	-3.	-0.	-2.	2.	0.	0.00	14.	0.	-13.	-13.
24	STIG15	RESIDU	0.	-0.215	0.	0.042	0.14	-76.	-86.	-11.	5.	48.	-4.	0.20	-880.	0.	-945.	-742.
26	STIG15	RESIDU	0.	-0.114	0.	0.024	0.04	-51.	-46.	-5.	-7.	26.	-1.	0.05	563.	0.	49.	-32.
28	STIG15	RESIDU	0.	-0.104	0.	0.022	0.04	-62.	-42.	-3.	-22.	24.	0.	0.01	510.	0.	38.	-35.
33	STIG15	RESIDU	0.	-0.040	0.	0.008	0.01	-24.	-16.	-1.	-9.	9.	0.	0.01	179.	0.	-1.	-23.
ALL	STIG15	RESIDU	0.	-0.719	0.	0.146	0.03	-339.	-288.	-29.	-65.	164.	-7.	0.03	-1.	0.	-1921.	-1659.
20	STIG10	RESIDU	0.	-0.070	0.	0.023	0.06	-44.	-28.	-2.	-14.	21.	1.	0.02	30.	0.	-493.	-359.
22	STIG10	RESIDU	0.	-0.008	0.	0.002	0.05	-5.	-3.	-0.	-2.	2.	0.	0.02	22.	0.	-9.	-9.
24	STIG10	RESIDU	0.	-0.226	0.	0.030	0.10	-82.	-91.	-11.	-1.	43.	-5.	0.15	-504.	0.	-883.	-724.
26	STIG10	RESIDU	0.	-0.104	0.	0.034	0.06	-49.	-41.	-4.	-5.	31.	-0.	0.08	684.	0.	115.	25.
28	STIG10	RESIDU	0.	-0.062	0.	0.020	0.03	-39.	-25.	-2.	-13.	18.	1.	0.05	358.	0.	55.	7.
33	STIG10	RESIDU	0.	-0.037	0.	0.012	0.01	-24.	-15.	-1.	-8.	11.	0.	0.05	210.	0.	20.	-4.
ALL	STIG10	RESIDU	0.	-0.658	0.	0.159	0.03	-315.	-263.	-26.	-57.	164.	-4.	0.06	1038.	0.	-1552.	-1380.
20	STIG1S	RESIDU	0.	-0.067	0.	0.026	0.06	-44.	-27.	-2.	-14.	22.	1.	0.03	147.	0.	-454.	-330.
22	STIG1S	RESIDU	0.	-0.007	0.	0.003	0.05	-5.	-3.	-0.	-2.	2.	0.	0.02	24.	0.	-7.	-7.
24	STIG1S	RESIDU	0.	-0.242	0.	0.014	0.05	-90.	-97.	-12.	-9.	36.	-6.	0.06	-365.	0.	-903.	-765.
26	STIG1S	RESIDU	0.	-0.099	0.	0.039	0.07	-49.	-40.	-4.	-6.	33.	0.	0.09	707.	0.	135.	45.
28	STIG1S	RESIDU	0.	-0.045	0.	0.018	0.03	-30.	-18.	-1.	-10.	15.	1.	0.06	294.	0.	54.	16.
33	STIG1S	RESIDU	0.	-0.035	0.	0.014	0.01	-24.	-14.	-1.	-8.	12.	1.	0.06	228.	0.	30.	5.
ALL	STIG1S	RESIDU	0.	-0.646	0.	0.148	0.03	-315.	-258.	-25.	-65.	156.	-4.	0.07	1351.	0.	-1493.	-1351.
20	DEADV3	RESIDU	0.	-0.047	0.	0.042	0.10	-59.	-19.	-4.	-30.	29.	-1.	-0.03	-1431.	0.	-758.	-469.
22	DEADV3	RESIDU	0.	-0.006	0.	0.004	0.07	-7.	-3.	-1.	-4.	3.	-0.	-0.05	-47.	0.	-21.	-14.
24	DEADV3	RESIDU	0.	-0.219	0.	0.038	0.12	-84.	-88.	-11.	-3.	46.	-5.	0.10	-3642.	0.	-1625.	-1135.

ISE PEG AES COGENERATION TECHNOLOGY ALTERNATIVES STUDY

FUEL UNITS = REPORT 6.1 FUEL AND EMISSIONS SAVINGS (SAVINGS ARE POSITIVE)

EMISSION UNITS= TIME 1990 LEVEL ALL

COST =$*10**9 TYPE MATCH=POWR

PROCS	ECS	ECS FUEL	FUEL SAVINGS DIRECT OIL+GAS	FUEL SAVINGS DIRECT COAL	FUEL SAVINGS TOTAL OIL+GAS	FUEL SAVINGS TOTAL COAL	FESR	EMISSIONS SAVINGS DIRECT NOX	EMISSIONS SAVINGS DIRECT SOX	EMISSIONS SAVINGS DIRECT PART	EMISSIONS SAVINGS TOTAL NOX	EMISSIONS SAVINGS TOTAL SOX	EMISSIONS SAVINGS TOTAL PART	EMSR	CAPITL SAVING	ELECTRIC POWER TOTAL EXPORT MWH	ELECTRIC POWER COST	ELECTRIC POWER LAEC SAVED
26	DEADV3	RESIDU	0.	-0.090	0.	0.048	0.09	-59.	-36.	-6.	-16.	37.	-1.	0.03	131.	0.	35.	8.
28	DEADV3	RESIDU	0.	-0.041	0.	0.022	0.04	-45.	-16.	-3.	-26.	17.	-1.	-0.14	2.	0.	3.	-3.
33	DEADV3	RESIDU	0.	-0.069	0.	0.031	0.02	-67.	-28.	-5.	-35.	25.	-2.	-0.12	273.	0.	11.	-5.
ALL	DEADV3	RESIDU	0.	-0.619	0.	0.242	0.05	-421.	-248.	-40.	-149.	205.	-14.	-0.08	-6172.	0.	-3083.	-2117.
20	DEHTPM	RESIDU	0.	-0.040	0.	0.054	0.13	-59.	-16.	-4.	-29.	34.	0.	0.01	-1411.	0.	-764.	-467.
22	DEHTPM	RESIDU	0.	-0.005	0.	0.005	0.10	-7.	-2.	-0.	-4.	3.	-0.	-0.02	-49.	0.	-17.	-9.
24	DEHTPM	RESIDU	0.	-0.139	0.	0.004	0.01	-69.	-56.	-8.	-23.	19.	-5.	-0.27	-2443.	0.	-1157.	-830.
26	DEHTPM	RESIDU	0.	-0.067	0.	0.071	0.13	-61.	-27.	-5.	-17.	47.	0.	0.07	145.	0.	112.	92.
28	DEHTPM	RESIDU	0.	-0.043	0.	0.036	0.06	-65.	-17.	-4.	-40.	24.	-1.	-0.06	-315.	0.	-64.	-32.
29	DEHTPM	RESIDU	0.	-0.031	0.	0.024	0.06	-49.	-12.	-3.	-31.	17.	-1.	-0.08	-38.	0.	15.	13.
ALL	DEHTPM	RESIDU	0.	-0.468	0.	0.280	0.05	-445.	-187.	-36.	-208.	208.	-10.	-0.02	-5916.	0.	-2699.	-1773.
20	DESOA3	DISTIL	-0.049	0.	-0.049	0.088	0.09	-120.	28.	1.	-93.	69.	-2.	-0.15	-131.	0.	-494.	-485.
22	DESOA3	DISTIL	-0.007	0.	-0.007	0.010	0.06	-15.	5.	0.	-12.	9.	-1.	-0.12	-35.	0.	-25.	-43.
24	DESOA3	DISTIL	-0.225	0.	-0.225	0.257	0.10	-28.	-36.	0.	53.	97.	6.	0.43	-1168.	0.	-1234.	-1026.
26	DESOA3	DISTIL	-0.098	0.	-0.098	0.138	0.07	-80.	22.	1.	-38.	89.	-1.	0.05	-82.	0.	-111.	-273.
28	DESOA3	DISTIL	-0.058	0.	-0.058	0.084	0.04	-128.	10.	1.	-102.	51.	-0.	-0.71	-58.	0.	-67.	-150.
33	DESOA3	DISTIL	-0.104	0.	-0.104	0.140	0.02	-197.	-11.	0.	-153.	61.	3.	-0.64	56.	0.	-163.	-185.
ALL	DESOA3	DISTIL	-0.698	0.	-0.698	0.923	0.04	-732.	23.	5.	-446.	487.	6.	-0.47	-1829.	0.	-2699.	-2786.
20	DESOA3	RESIDU	-0.049	0.	-0.049	0.088	0.09	-285.	-19.	-0.	-256.	30.	5.	-1.34	-131.	0.	-457.	-307.
22	DESOA3	RESIDU	-0.007	0.	-0.007	0.010	0.06	-36.	-3.	-0.	-33.	3.	1.	-1.25	-35.	0.	-20.	-14.
24	DESOA3	RESIDU	-0.225	0.	-0.225	0.257	0.10	-73.	-85.	-2.	10.	56.	13.	-0.13	-1168.	0.	-1068.	-839.
26	DESOA3	RESIDU	-0.098	0.	-0.098	0.138	0.07	-206.	-37.	-1.	-162.	39.	7.	-0.92	-82.	0.	-39.	-47.
28	DESOA3	RESIDU	-0.058	0.	-0.058	0.084	0.04	-289.	-22.	-0.	-262.	24.	5.	-2.54	-58.	0.	-24.	-27.
33	DESOA3	RESIDU	-0.104	0.	-0.104	0.140	0.02	-425.	-39.	-1.	-380.	37.	7.	-2.40	56.	0.	-86.	-77.
ALL	DESOA3	RESIDU	-0.698	0.	-0.698	0.923	0.04	-1693.	-263.	-6.	-1396.	242.	49.	-2.03	-1829.	0.	-2186.	-1691.
20	GTSOAD	DISTIL	-0.045	0.	-0.045	0.094	0.12	-17.	-7.	0.	12.	42.	4.	0.39	657.	0.	-270.	-341.
22	GTSOAD	DISTIL	-0.005	0.	-0.005	0.010	0.09	-2.	-1.	0.	1.	5.	0.	0.36	34.	0.	-0.	-25.
26	GTSOAD	DISTIL	-0.069	0.	-0.069	0.138	0.13	-15.	-11.	0.	28.	62.	5.	0.54	809.	0.	216.	-26.
28	GTSOAD	DISTIL	-0.035	0.	-0.035	0.069	0.06	-14.	-6.	0.	8.	31.	3.	0.30	197.	0.	37.	-211.
29	GTSOAD	DISTIL	-0.028	0.	-0.028	0.056	0.07	-11.	-5.	0.	6.	25.	2.	0.36	310.	0.	87.	-79.

FUEL UNITS =
EMISSION UNITS=
COST =$*10**9

REPORT 6.1 FUEL AND EMISSIONS SAVINGS (SAVINGS ARE POSITIVE)
TIME 1990 LEVEL ALL
TYPE MATCH=POWR

PROCS	ECS	ECS FUEL	FUEL SAVINGS DIRECT OIL+GAS	FUEL SAVINGS DIRECT COAL	FUEL SAVINGS TOTAL OIL+GAS	FUEL SAVINGS TOTAL COAL	FESR	EMISSIONS SAVINGS DIRECT NOX	EMISSIONS SAVINGS DIRECT SOX	EMISSIONS SAVINGS DIRECT PART	EMISSIONS SAVINGS TOTAL NOX	EMISSIONS SAVINGS TOTAL SOX	EMISSIONS SAVINGS TOTAL PART	EMSR	CAPITL SAVING	ELECTRIC POWER TOTAL EXPORT MWH	ELECTRIC POWER COST	ELECTRIC POWER LAEC SAVED
ALL	GTSOAD	DISTIL	-0.267	0.	-0.267	0.535	0.05	-88.	-43.	0.	82.	241.	21.	0.40	2933.	0.	102.	-996.
20	GTRA08	DISTIL	0.	-0.047	0.	0.047	0.11	-2.	8.	5.	29.	64.	18.	0.45	-237.	0.	-492.	-470.
22	GTRA08	DISTIL	0.	-0.005	0.	0.005	0.09	1.	2.	1.	4.	8.	3.	0.43	5.	0.	-8.	-30.
24	GTRA08	DISTIL	0.	-0.228	0.	0.029	0.10	-56.	-64.	-4.	27.	77.	11.	0.45	-1116.	0.	-1169.	-967.
26	GTRA08	DISTIL	0.	-0.075	0.	0.063	0.12	-4.	0.	5.	41.	81.	20.	0.49	594.	0.	143.	-79.
28	GTRA08	DISTIL	0.	-0.076	0.	0.042	0.07	19.	32.	14.	61.	111.	39.	0.43	87.	0.	-58.	-452.
29	GTRA08	DISTIL	0.	-0.033	0.	0.022	0.05	2.	9.	5.	22.	44.	14.	0.43	236.	0.	51.	-110.
33	GTRA08	DISTIL	0.	-0.070	0.	0.028	0.02	-28.	-17.	-1.	4.	37.	6.	0.45	709.	0.	60.	-24.
ALL	GTRA08	DISTIL	0.	-0.740	0.	0.329	0.06	-94.	-42.	34.	260.	585.	153.	0.45	387.	0.	-2044.	-2957.
20	GTRA12	DISTIL	0.	-0.046	0.	0.047	0.12	-2.	8.	5.	29.	64.	18.	0.45	-119.	0.	-462.	-452.
22	GTRA12	DISTIL	0.	-0.005	0.	0.005	0.09	1.	2.	1.	4.	8.	3.	0.44	7.	0.	-7.	-29.
24	GTRA12	DISTIL	0.	-0.227	0.	0.030	0.10	-56.	-64.	-4.	27.	77.	12.	0.45	-917.	0.	-1118.	-937.
26	GTRA12	DISTIL	0.	-0.073	0.	0.065	0.12	-4.	1.	5.	42.	81.	20.	0.50	582.	0.	147.	-73.
28	GTRA12	DISTIL	0.	-0.070	0.	0.044	0.07	19.	32.	13.	59.	107.	37.	0.43	110.	0.	-36.	-415.
29	GTRA12	DISTIL	0.	-0.032	0.	0.024	0.06	3.	9.	5.	22.	44.	14.	0.43	242.	0.	57.	-104.
33	GTRA12	DISTIL	0.	-0.050	0.	0.020	0.01	-20.	-12.	-0.	2.	26.	4.	0.44	506.	0.	43.	-17.
ALL	GTRA12	DISTIL	0.	-0.701	0.	0.327	0.06	-82.	-34.	34.	259.	570.	150.	0.45	573.	0.	-1918.	-2825.
20	GTRA16	DISTIL	0.	-0.046	0.	0.047	0.12	-3.	8.	5.	29.	65.	18.	0.45	-268.	0.	-496.	-471.
22	GTRA16	DISTIL	0.	-0.005	0.	0.005	0.09	1.	2.	1.	4.	8.	3.	0.44	0.	0.	-9.	-30.
24	GTRA16	DISTIL	0.	-0.233	0.	0.024	0.08	-58.	-65.	-4.	25.	75.	11.	0.43	-1187.	0.	-1205.	-999.
26	GTRA16	DISTIL	0.	-0.072	0.	0.065	0.12	-4.	1.	5.	41.	81.	20.	0.50	543.	0.	140.	-76.
28	GTRA16	DISTIL	0.	-0.064	0.	0.043	0.07	18.	31.	13.	56.	102.	35.	0.43	51.	0.	-40.	-392.
29	GTRA16	DISTIL	0.	-0.031	0.	0.024	0.06	3.	9.	5.	22.	45.	14.	0.43	228.	0.	56.	-103.
33	GTRA16	DISTIL	0.	-0.016	0.	0.014	0.01	-7.	-3.	0.	3.	14.	2.	0.49	101.	0.	20.	-1.
ALL	GTRA16	DISTIL	0.	-0.657	0.	0.313	0.06	-70.	-24.	34.	252.	547.	145.	0.45	-745.	0.	-2153.	-2906.
20	GTR208	DISTIL	0.	-0.046	0.	0.047	0.12	-4.	8.	5.	28.	64.	18.	0.44	96.	0.	-411.	-424.
22	GTR208	DISTIL	0.	-0.005	0.	0.005	0.09	0.	2.	1.	4.	8.	3.	0.43	15.	0.	-6.	-28.
24	GTR208	DISTIL	0.	-0.162	0.	0.002	0.01	-43.	-45.	-3.	10.	45.	7.	0.34	-478.	0.	-829.	-713.
26	GTR208	DISTIL	0.	-0.073	0.	0.065	0.12	-6.	1.	5.	39.	81.	20.	0.49	685.	0.	173.	-58.
28	GTR208	DISTIL	0.	-0.053	0.	0.038	0.07	15.	27.	11.	47.	88.	30.	0.43	139.	0.	-6.	-316.

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ISE PEO AES COGENERATION TECHNOLOGY ALTERNATIVES STUDY

FUEL UNITS = REPORT 6.1 FUEL AND EMISSIONS SAVINGS (SAVINGS ARE POSITIVE)

EMISSION UNITS= TIME 1990 LEVEL ALL

COST =$*10**9 TYPE MATCH=POWR

PROCS	ECS	ECS FUEL	*****FUEL SAVINGS***** ****DIRECT***** OIL+GAS	COAL	-----TOTAL---- OIL+GAS	COAL	FESR	---EMISSIONS SAVINGS--- -------DIRECT-------- NOX	SOX	PART	********TOTAL******** NOX	SOX	PART	EMSR	CAPITL SAVING	--ELECTRIC POWER--- TOTAL EXPORT MWH	COST	LAEC SAVED
29	GTR208	DISTIL	0.	-0.031	0.	0.025	0.06	2.	10.	5.	21.	45.	14.	0.43	257.	0.	64.	-98.
ALL	GTR208	DISTIL	0.	-0.532	0.	0.262	0.05	-51.	2.	33.	214.	474.	131.	0.45	1023.	0.	-1454.	-2345.
20	GTR212	DISTIL	0.	-0.047	0.	0.047	0.11	-3.	8.	5.	28.	64.	18.	0.44	-15.	0.	-440.	-441.
22	GTR212	DISTIL	0.	-0.005	0.	0.005	0.09	1.	2.	1.	4.	8.	3.	0.43	11.	0.	-7.	-29.
24	GTR212	DISTIL	0.	-0.246	0.	0.010	0.03	-61.	-69.	-4.	21.	71.	11.	0.38	-775.	0.	-1162.	-1005.
26	GTR212	DISTIL	0.	-0.073	0.	0.065	0.12	-6.	1.	5.	40.	81.	20.	0.49	656.	0.	165.	-63.
28	GTR212	DISTIL	0.	-0.056	0.	0.040	0.07	16.	28.	11.	50.	92.	32.	0.43	117.	0.	-13.	-334.
29	GTR212	DISTIL	0.	-0.031	0.	0.025	0.06	2.	10.	5.	21.	45.	14.	0.43	256.	0.	64.	-98.
ALL	GTR212	DISTIL	0.	-0.653	0.	0.273	0.05	-74.	-30.	32.	233.	515.	138.	0.45	354.	0.	-1985.	-2808.
20	GTR216	DISTIL	0.	-0.046	0.	0.048	0.12	-3.	8.	5.	28.	65.	18.	0.45	-72.	0.	-449.	-444.
22	GTR216	DISTIL	0.	-0.005	0.	0.005	0.09	1.	2.	1.	4.	8.	3.	0.43	7.	0.	-7.	-29.
24	GTR216	DISTIL	0.	-0.241	0.	0.015	0.05	-60.	-68.	-4.	22.	73.	11.	0.40	-863.	0.	-1162.	-993.
26	GTR216	DISTIL	0.	-0.072	0.	0.066	0.12	-5.	1.	5.	41.	82.	20.	0.49	621.	0.	162.	-62.
28	GTR216	DISTIL	0.	-0.057	0.	0.042	0.07	17.	29.	12.	52.	95.	33.	0.43	96.	0.	-16.	-345.
29	GTR216	DISTIL	0.	-0.031	0.	0.025	0.06	3.	10.	5.	22.	45.	14.	0.43	242.	0.	62.	-98.
33	GTR216	DISTIL	0.	-0.007	0.	0.007	0.00	-3.	-1.	0.	1.	7.	1.	0.49	52.	0.	11.	1.
ALL	GTR216	DISTIL	0.	-0.649	0.	0.295	0.06	-72.	-27.	32.	241.	529.	141.	0.45	119.	0.	-1980.	-2789.
20	GTRW08	DISTIL	0.	-0.054	0.	0.039	0.10	-4.	6.	5.	27.	62.	18.	0.43	-335.	0.	-551.	-523.
22	GTRW08	DISTIL	0.	-0.006	0.	0.004	0.07	0.	2.	1.	4.	8.	3.	0.42	3.	0.	-12.	-33.
24	GTRW08	DISTIL	0.	-0.232	0.	0.025	0.08	-56.	-65.	-4.	26.	75.	11.	0.45	-1276.	0.	-1227.	-1011.
26	GTRW08	DISTIL	0.	-0.085	0.	0.053	0.10	-7.	-3.	4.	39.	78.	20.	0.47	601.	0.	105.	-123.
28	GTRW08	DISTIL	0.	-0.080	0.	0.036	0.06	17.	30.	13.	58.	107.	38.	0.42	67.	0.	-83.	-469.
29	GTRW08	DISTIL	0.	-0.036	0.	0.019	0.05	2.	8.	4.	21.	43.	14.	0.42	238.	0.	38.	-124.
33	GTRW08	DISTIL	0.	-0.065	0.	0.025	0.02	-26.	-16.	-1.	3.	33.	5.	0.44	708.	0.	62.	-22.
ALL	GTRW08	DISTIL	0.	-0.775	0.	0.279	0.05	-103.	-53.	33.	247.	565.	151.	0.43	9.	0.	-2315.	-3197.
20	GTRW12	DISTIL	0.	-0.052	0.	0.041	0.10	-3.	6.	5.	28.	63.	18.	0.44	-331.	0.	-541.	-511.
22	GTRW12	DISTIL	0.	-0.006	0.	0.004	0.08	1.	2.	1.	4.	8.	3.	0.43	3.	0.	-11.	-32.
24	GTRW12	DISTIL	0.	-0.223	0.	0.033	0.11	-54.	-63.	-4.	28.	78.	12.	0.47	-1270.	0.	-1190.	-970.
26	GTRW12	DISTIL	0.	-0.081	0.	0.057	0.10	-5.	-2.	5.	40.	79.	20.	0.48	602.	0.	121.	-105.
28	GTRW12	DISTIL	0.	-0.074	0.	0.041	0.07	19.	31.	13.	60.	108.	38.	0.42	65.	0.	-62.	-443.

ISE PEG AES COGENERATION TECHNOLOGY ALTERNATIVES STUDY

FUEL UNITS = REPORT 6.1 FUEL AND EMISSIONS SAVINGS (SAVINGS ARE POSITIVE)

EMISSION UNITS= TIME 1990 LEVEL ALL

COST =$*10**9 TYPE MATCH=PGWR

PROCS	ECS	ECS FUEL	*****FUEL SAVINGS***** DIRECT OIL+GAS	DIRECT COAL	TOTAL OIL+GAS	TOTAL COAL	FESR	---EMISSIONS SAVINGS--- DIRECT NOX	DIRECT SOX	DIRECT PART	TOTAL NOX	TOTAL SOX	TOTAL PART	EMSR	CAPITL SAVING	ELECTRIC POWER--- TOTAL EXPORT MWH	COST	LAEC SAVED
29	GTRW12	DISTIL	0.	-0.034	0.	0.021	0.05	2.	9.	5.	21.	44.	14.	0.42	238.	0.	47.	-115.
33	GTRW12	DISTIL	0.	-0.060	0.	0.027	0.02	-24.	-15.	-0.	4.	33.	5.	0.45	688.	0.	72.	-8.
ALL	GTRW12	DISTIL	0.	-0.736	0.	0.311	0.06	-89.	-43.	33.	258.	571.	150.	0.45	-7.	0.	-2165.	-3025.
20	GTRW16	DISTIL	0.	-0.052	0.	0.042	0.10	-4.	6.	5.	28.	63.	18.	0.44	-457.	0.	-569.	-526.
22	GTRW16	DISTIL	0.	-0.006	0.	0.004	0.08	1.	2.	1.	4.	8.	3.	0.43	-2.	0.	-12.	-33.
24	GTRW16	DISTIL	0.	-0.228	0.	0.029	0.10	-56.	-64.	-4.	27.	77.	11.	0.46	-1499.	0.	-1261.	-1020.
26	GTRW16	DISTIL	0.	-0.080	0.	0.058	0.11	-6.	-1.	5.	40.	79.	20.	0.48	575.	0.	118.	-105.
28	GTRW16	DISTIL	0.	-0.068	0.	0.041	0.07	18.	30.	13.	57.	103.	36.	0.42	19.	0.	-60.	-416.
29	GTRW16	DISTIL	0.	-0.034	0.	0.022	0.05	2.	9.	5.	21.	44.	14.	0.42	238.	0.	49.	-112.
33	GTRW16	DISTIL	0.	-0.065	0.	0.027	0.02	-26.	-16.	-1.	4.	34.	6.	0.44	714.	0.	67.	-17.
ALL	GTRW16	DISTIL	0.	-0.740	0.	0.308	0.06	-97.	-47.	32.	251.	566.	148.	0.44	-572.	0.	-2316.	-3093.
20	GTR308	DISTIL	0.	-0.056	0.	0.038	0.09	-6.	5.	5.	25.	62.	18.	0.42	21.	0.	-472.	-481.
22	GTR308	DISTIL	0.	-0.006	0.	0.004	0.07	0.	2.	1.	4.	8.	3.	0.41	13.	0.	-11.	-34.
24	GTR308	DISTIL	0.	-0.051	0.	0.001	0.00	-17.	-14.	-1.	0.	14.	2.	0.33	76.	0.	-90.	-113.
26	GTR308	DISTIL	0.	-0.089	0.	0.049	0.09	-11.	-4.	4.	35.	77.	20.	0.45	646.	0.	99.	-135.
28	GTR308	DISTIL	0.	-0.070	0.	0.028	0.05	12.	25.	11.	47.	90.	32.	0.41	146.	0.	-59.	-396.
29	GTR308	DISTIL	0.	-0.038	0.	0.017	0.04	0.	8.	4.	19.	43.	14.	0.40	272.	0.	39.	-128.
33	GTR308	DISTIL	0.	-0.077	0.	0.014	0.01	-32.	-20.	-1.	-2.	31.	5.	0.36	751.	0.	26.	-66.
ALL	GTR308	DISTIL	0.	-0.547	0.	0.213	0.04	-75.	2.	34.	179.	458.	132.	0.41	2717.	0.	-659.	-1909.
20	GTR312	DISTIL	0.	-0.052	0.	0.042	0.10	-4.	6.	5.	27.	63.	18.	0.43	-113.	0.	-487.	-480.
22	GTR312	DISTIL	0.	-0.006	0.	0.004	0.08	0.	2.	1.	4.	8.	3.	0.43	10.	0.	-9	-31.
24	GTR312	DISTIL	0.	-0.238	0.	0.019	0.06	-59.	-67.	-4.	24.	74.	11.	0.42	-922.	0.	-1166.	-989.
26	GTR312	DISTIL	0.	-0.079	0.	0.059	0.11	-6.	-1.	5.	39.	80.	20.	0.48	647.	0.	139.	-90.
28	GTR312	DISTIL	0.	-0.058	0.	0.040	0.07	17.	28.	11.	51.	93.	32.	0.42	120.	0.	-18.	-347.
29	GTR312	DISTIL	0.	-0.033	0.	0.023	0.06	2.	9.	5.	21.	44.	14.	0.42	269.	0.	61.	-103.
33	GTR312	DISTIL	0.	-0.055	0.	0.018	0.01	-23.	-14.	-0.	1.	26.	4.	0.41	603.	0.	50.	-21.
ALL	GTR312	DISTIL	0.	-0.729	0.	0.288	0.05	-101.	-50.	31.	235.	545.	143.	0.43	860.	0.	-2004.	-2891.
20	GTR316	DISTIL	0.	-0.052	0.	0.041	0.10	-4.	6.	5.	27.	63.	18.	0.43	-263.	0.	-523.	-501.
22	GTR316	DISTIL	0.	-0.006	0.	0.004	0.08	0.	2.	1.	4.	8.	3.	0.43	5.	0.	-10.	-32.
24	GTR316	DISTIL	0.	-0.240	0.	0.017	0.06	-59.	-67.	-4.	23.	73.	11.	0.41	-1184.	0.	-1236.	-1033.

ISE PEG AES COGENERATION TECHNOLOGY ALTERNATIVES STUDY

FUEL UNITS = REPORT 6.1 FUEL AND EMISSIONS SAVINGS (SAVINGS ARE POSITIVE)

EMISSION UNITS= TIME 1990 LEVEL ALL

COST =$*10**9 TYPE MATCH=POWR

PROCS	ECS	ECS FUEL	*****FUEL SAVINGS***** DIRECT OIL+GAS	DIRECT COAL	TOTAL OIL+GAS	TOTAL COAL	----EMISSIONS SAVINGS---- FESR	DIRECT NOX	DIRECT SOX	DIRECT PART	TOTAL NOX	TOTAL SOX	TOTAL PART	EMSR	CAPITL SAVING	ELECTRIC POWER TOTAL EXPORT MWH	ELECTRIC POWER COST	ELECTRIC POWER LAEC SAVED
26	GTR316	DISTIL	0.	-0.079	0.	0.059	0.11	-7.	-1.	5.	39.	80.	20.	0.48	615.	0.	130.	-96.
28	GTR316	DISTIL	0.	-0.058	0.	0.039	0.07	16.	28.	11.	50.	92.	32.	0.42	79.	0.	-28.	-348.
29	GTR316	DISTIL	0.	-0.033	0.	0.023	0.06	2.	9.	5.	21.	44.	14.	0.42	258.	0.	58.	-105.
33	GTR316	DISTIL	0.	-0.056	0.	0.018	0.01	-23.	-14.	-1.	1.	27.	4.	0.41	605.	0.	47.	-25.
ALL	GTR316	DISTIL	0.	-0.735	0.	0.283	0.05	-105.	-53.	30.	232.	543.	143.	0.43	161.	0.	-2193.	-3004.
20	FCPADS	DISTIL	0.	-0.048	0.	0.039	0.09	11.	25.	6.	40.	77.	17.	0.57	293.	0.	-382.	-417.
22	FCPADS	DISTIL	0.	-0.007	0.	0.003	0.06	2.	4.	1.	6.	10.	3.	0.54	-3.	0.	-25.	-46.
24	FCPADS	DISTIL	0.	-0.214	0.	0.043	0.14	-49.	-57.	-3.	34.	83.	12.	0.58	-335.	0.	-1077.	-951.
26	FCPADS	DISTIL	0.	-0.093	0.	0.045	0.08	2.	7.	5.	47.	88.	20.	0.58	268.	0.	-143.	-339.
28	FCPADS	DISTIL	0.	-0.104	0.	0.050	0.09	30.	56.	14.	83.	153.	40.	0.67	49.	0.	-236.	-603.
29	FCPADS	DISTIL	0.	-0.037	0.	0.018	0.04	12.	21.	5.	31.	56.	15.	0.54	66.	0.	-62.	-207.
33	FCPADS	DISTIL	0.	-0.090	0.	0.043	0.03	-14.	4.	1.	29.	78.	10.	0.80	496.	0.	-147.	-210.
ALL	FCPADS	DISTIL	0.	-0.792	0.	0.323	0.06	-8.	80.	38.	360.	728.	156.	0.67	1113.	0.	-2766.	-3701.
20	FCMCDS	DISTIL	0.	-0.053	0.	0.041	0.10	-25.	25.	5.	6.	81.	18.	0.42	54.	0.	-472.	-483.
22	FCMCDS	DISTIL	0.	-0.006	0.	0.004	0.08	-2.	4.	1.	1.	10.	3.	0.42	-10.	0.	-21.	-41.
24	FCMCDS	DISTIL	0.	-0.197	0.	0.060	0.20	-50.	-53.	-3.	33.	88.	12.	0.54	-492.	0.	-1020.	-869.
26	FCMCDS	DISTIL	0.	-0.078	0.	0.060	0.11	-16.	10.	5.	30.	90.	20.	0.48	207.	0.	-85.	-268.
28	FCMCDS	DISTIL	0.	-0.088	0.	0.068	0.12	-33.	58.	13.	21.	157.	39.	0.44	-18.	0.	-172.	-528.
29	FCMCDS	DISTIL	0.	-0.031	0.	0.024	0.06	-11.	22.	5.	8.	57.	14.	0.42	43.	0.	-38.	-178.
33	FCMCDS	DISTIL	0.	-0.059	0.	0.041	0.03	-45.	4.	-0.	-13.	59.	6.	0.48	325.	0.	-80.	-119.
ALL	FCMCDS	DISTIL	0.	-0.687	0.	0.400	0.08	-245.	93.	33.	115.	727.	150.	0.45	147.	0.	-2533.	-3335.