

Supply-Side Resource Options

Description		Resource Characteristics					Costs						
		Elevation (AFSL)	Net Capacity (MW)	Resource Availability Year	Total Implementation Time (yrs)	Commercial Operation Year	Design Life (yrs)	Base Capital (\$/KW)	Var O&M (\$/MWh)	Fraction Var O&M Capitalized	Fraction Var O&M Adjusted by Capacity Changes	Fixed O&M (\$/KW-yr)	Fraction Fixed O&M Capitalized
Fuel	Resource												
Natural Gas	SCCT Aero x3, ISO	0	142	2017	4	2021	30	1,421	7.54	0.91	0.98	27.14	0.10
Natural Gas	Intercooled SCCT Aero x2, ISO	0	221	2017	4	2021	30	1,036	5.05	0.91	0.97	18.78	0.09
Natural Gas	SCCT Frame "F" x1, ISO	0	240	2017	4	2021	35	584	5.50	0.97	0.97	13.28	0.02
Natural Gas	IC Recips x 6, ISO	0	111	2017	4	2021	35	1,572	7.45	0.64	0.88	29.82	0.01
Natural Gas	CCCT Dry "G/H", 1x1, ISO	0	407	2017	5	2022	40	1,405	1.76	0.70	0.94	20.52	0.01
Natural Gas	CCCT Dry "G/H", DF, 1x1, ISO	0	51	2017	5	2022	40	443	0.15	0.00	0.27	5.39	0.00
Natural Gas	CCCT Dry "G/H", 2x1, ISO	0	816	2017	6	2023	40	1,043	1.67	0.74	0.93	13.79	0.01
Natural Gas	CCCT Dry "G/H", DF, 2x1, ISO	0	102	2017	6	2023	40	348	0.16	0.00	0.28	4.44	0.00
Natural Gas	CCCT Dry "J/HA.02", 1x1, ISO	0	498	2017	5	2022	40	1,226	1.70	0.70	0.93	17.66	0.00
Natural Gas	CCCT Dry "J/HA.02", DF, 1x1, ISO	0	63	2017	5	2022	40	378	0.16	0.00	0.28	4.86	0.00
Natural Gas	CCCT Dry, "J/HA.02" 2X1, ISO	0	998	2017	6	2023	40	913	1.62	0.74	0.93	12.00	0.01
Natural Gas	CCCT Dry "J/HA.02", DF, 2X1, ISO	0	126	2017	6	2023	40	302	0.16	0.00	0.27	4.05	0.00
Natural Gas	SCCT Aero x3	1,500	138	2017	4	2021	30	1,464	7.76	0.91	0.98	27.96	0.10
Natural Gas	Intercooled SCCT Aero x2	1,500	208	2017	4	2021	30	1,097	5.35	0.91	0.97	19.88	0.09
Natural Gas	SCCT Frame "F" x1	1,500	228	2017	4	2021	35	616	5.81	0.97	0.97	14.02	0.02
Natural Gas	IC Recips x 6	1,500	111	2017	4	2021	35	1,572	7.45	0.64	0.88	29.82	0.01
Natural Gas	CCCT Dry "G/H", 1x1	1,500	385	2017	5	2022	40	1,484	1.86	0.70	0.94	21.68	0.01
Natural Gas	CCCT Dry "G/H", DF, 1x1	1,500	51	2017	5	2022	40	443	0.15	0.00	0.27	5.39	0.00
Natural Gas	CCCT Dry "G/H", 2x1	1,500	772	2017	6	2023	40	1,102	1.77	0.74	0.93	14.57	0.01
Natural Gas	CCCT Dry "G/H", DF, 2x1	1,500	102	2017	6	2023	40	348	0.16	0.00	0.28	4.44	0.00
Natural Gas	CCCT Dry "J/HA.02", 1x1	1,500	471	2017	5	2022	40	1,297	1.80	0.70	0.93	18.67	0.00
Natural Gas	CCCT Dry "J/HA.02", DF, 1x1	1,500	63	2017	5	2022	40	378	0.16	0.00	0.28	4.86	0.00
Natural Gas	CCCT Dry, "J/HA.02" 2X1	1,500	944	2017	6	2023	40	965	1.71	0.74	0.93	12.69	0.01
Natural Gas	CCCT Dry "J/HA.02", DF, 2X1	1,500	126	2017	6	2023	40	302	0.16	0.00	0.27	4.05	0.00
Natural Gas	SCCT Aero x3	3,000	130	2017	4	2021	30	1,548	8.21	0.91	0.98	29.58	0.10
Natural Gas	Intercooled SCCT Aero x2	3,000	196	2017	4	2021	30	1,164	5.67	0.91	0.97	21.10	0.09
Natural Gas	SCCT Frame "F" x1	3,000	216	2017	4	2021	35	651	6.13	0.97	0.97	14.81	0.02
Natural Gas	IC Recips x 6	3,000	111	2017	4	2021	35	1,572	7.45	0.64	0.88	29.82	0.01
Natural Gas	CCCT Dry "G/H", 1x1	3,000	365	2017	5	2022	40	1,569	1.97	0.70	0.94	22.92	0.01
Natural Gas	CCCT Dry "G/H", DF, 1x1	3,000	51	2017	5	2022	40	443	0.15	0.00	0.27	5.39	0.00
Natural Gas	CCCT Dry "G/H", 2x1	3,000	731	2017	6	2023	40	1,164	1.86	0.74	0.93	15.39	0.01
Natural Gas	CCCT Dry "G/H", DF, 2x1	3,000	102	2017	6	2023	40	348	0.16	0.00	0.28	4.44	0.00
Natural Gas	CCCT Dry "J/HA.02", 1x1	3,000	446	2017	5	2022	40	1,370	1.90	0.70	0.93	19.73	0.00
Natural Gas	CCCT Dry "J/HA.02", DF, 1x1	3,000	63	2017	5	2022	40	378	0.16	0.00	0.28	4.86	0.00
Natural Gas	CCCT Dry, "J/HA.02" 2X1	3,000	893	2017	6	2023	40	1,020	1.81	0.74	0.93	13.41	0.01
Natural Gas	CCCT Dry "J/HA.02", DF, 2X1	3,000	126	2017	6	2023	40	302	0.16	0.00	0.27	4.05	0.00
Natural Gas	SCCT Aero x3	5,050	121	2017	4	2021	30	1,668	8.85	0.91	0.98	31.86	0.10
Natural Gas	Intercooled SCCT Aero x2	5,050	182	2017	4	2021	30	1,259	6.14	0.91	0.97	22.82	0.09
Natural Gas	SCCT Frame "F" x1	5,050	200	2017	4	2021	35	702	6.61	0.97	0.97	15.97	0.02
Natural Gas	IC Recips x 6	5,050	111	2017	4	2021	35	1,572	7.45	0.64	0.88	29.82	0.01
Natural Gas	CCCT Dry "G/H", 1x1	5,050	338	2017	5	2022	40	1,693	2.12	0.70	0.94	24.74	0.01
Natural Gas	CCCT Dry "G/H", DF, 1x1	5,050	51	2017	5	2022	40	443	0.15	0.00	0.27	5.39	0.00
Natural Gas	CCCT Dry "G/H", 2x1	5,050	677	2017	6	2023	40	1,257	2.01	0.74	0.93	16.63	0.01
Natural Gas	CCCT Dry "G/H", DF, 2x1	5,050	102	2017	6	2023	40	348	0.16	0.00	0.28	4.44	0.00
Natural Gas	CCCT Dry "J/HA.02", 1x1	5,050	414	2017	5	2022	40	1,477	2.05	0.70	0.93	21.26	0.00
Natural Gas	CCCT Dry "J/HA.02", DF, 1x1	5,050	63	2017	5	2022	40	378	0.16	0.00	0.28	4.86	0.00
Natural Gas	CCCT Dry, "J/HA.02" 2X1	5,050	828	2017	6	2023	40	1,100	1.95	0.74	0.93	14.45	0.01

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Description		Operating Characteristics						Environmental			
Fuel	Resource	Elevation (AFSL)	Average Full Load Heat			Heat Input for	Water	SO2 (lbs/MMBtu)	NOx (lbs/MMBtu)	Hg (lbs/TBTu)	CO2 (lbs/MMBtu)
			Rate (HHV Btu/KWh)/Efficiency	EFOR (%)	POR (%)	Warm Start (HHV, MMBtu)	Consumed (Gal/MWh)				
Natural Gas	SCCT Aero x3, ISO	0	9,204	2.6	3.9	38	58	0.0006	0.009	0.255	117
Natural Gas	Intercooled SCCT Aero x2, ISO	0	8,981	2.9	3.9	67	80	0.0006	0.009	0.255	117
Natural Gas	SCCT Frame "F" x1, ISO	0	9,604	2.7	3.9	58	20	0.0006	0.009	0.255	117
Natural Gas	IC Recips x 6, ISO	0	8,279	2.5	5.0	25	5	0.0006	0.029	0.255	117
Natural Gas	CCCT Dry "G/H", 1x1, ISO	0	6,363	2.5	3.8	2,595	11	0.0006	0.007	0.255	117
Natural Gas	CCCT Dry "G/H", DF, 1x1, ISO	0	8,865	0.8	3.8	1	11	0.0006	0.007	0.255	117
Natural Gas	CCCT Dry "G/H", 2x1, ISO	0	6,352	2.5	3.8	5,191	11	0.0006	0.007	0.255	117
Natural Gas	CCCT Dry "G/H", DF, 2x1, ISO	0	8,812	0.8	3.8	1	11	0.0006	0.007	0.255	117
Natural Gas	CCCT Dry "J/HA.02", 1x1, ISO	0	6,317	2.5	3.8	3,176	0	0.0006	0.007	0.255	117
Natural Gas	CCCT Dry "J/HA.02", DF, 1x1, ISO	0	8,878	0.8	3.8	1	0	0.0006	0.007	0.255	117
Natural Gas	CCCT Dry, "J/HA.02" 2X1, ISO	0	6,308	2.5	3.8	6,351	0	0.0006	0.007	0.255	117
Natural Gas	CCCT Dry "J/HA.02", DF, 2X1, ISO	0	8,830	0.8	3.8	2	0	0.0006	0.007	0.255	117
Natural Gas	SCCT Aero x3	1,500	9,169	2.6	3.9	38	58	0.0006	0.009	0.255	117
Natural Gas	Intercooled SCCT Aero x2	1,500	9,000	2.9	3.9	67	80	0.0006	0.009	0.255	117
Natural Gas	SCCT Frame "F" x1	1,500	9,604	2.7	3.9	58	20	0.0006	0.009	0.255	117
Natural Gas	IC Recips x 6	1,500	8,279	2.5	5.0	25	5	0.0006	0.029	0.255	117
Natural Gas	CCCT Dry "G/H", 1x1	1,500	6,362	2.5	3.8	2,595	11	0.0006	0.007	0.255	117
Natural Gas	CCCT Dry "G/H", DF, 1x1	1,500	9,012	0.8	3.8	1	11	0.0006	0.007	0.255	117
Natural Gas	CCCT Dry "G/H", 2x1	1,500	6,353	2.5	3.8	5,191	11	0.0006	0.007	0.255	117
Natural Gas	CCCT Dry "G/H", DF, 2x1	1,500	8,969	0.8	3.8	1	11	0.0006	0.007	0.255	117
Natural Gas	CCCT Dry "J/HA.02", 1x1	1,500	6,317	2.5	3.8	3,176	11	0.0006	0.007	0.255	117
Natural Gas	CCCT Dry "J/HA.02", DF, 1x1	1,500	9,035	0.8	3.8	1	11	0.0006	0.007	0.255	117
Natural Gas	CCCT Dry, "J/HA.02" 2X1	1,500	6,304	2.5	3.8	6,351	11	0.0006	0.007	0.255	117
Natural Gas	CCCT Dry "J/HA.02", DF, 2X1	1,500	8,906	0.8	3.8	2	11	0.0006	0.007	0.255	117
Natural Gas	SCCT Aero x3	3,000	9,183	2.6	3.9	38	58	0.0006	0.009	0.255	117
Natural Gas	Intercooled SCCT Aero x2	3,000	9,016	2.9	3.9	67	80	0.0006	0.009	0.255	117
Natural Gas	SCCT Frame "F" x1	3,000	9,611	2.7	3.9	58	20	0.0006	0.009	0.255	117
Natural Gas	IC Recips x 6	3,000	8,279	2.5	5.0	25	5	0.0006	0.029	0.255	117
Natural Gas	CCCT Dry "G/H", 1x1	3,000	6,366	2.5	3.8	2,595	11	0.0006	0.007	0.255	117
Natural Gas	CCCT Dry "G/H", DF, 1x1	3,000	9,055	0.8	3.8	1	11	0.0006	0.007	0.255	117
Natural Gas	CCCT Dry "G/H", 2x1	3,000	6,352	2.5	3.8	5,191	11	0.0006	0.007	0.255	117
Natural Gas	CCCT Dry "G/H", DF, 2x1	3,000	9,012	0.8	3.8	1	11	0.0006	0.007	0.255	117
Natural Gas	CCCT Dry "J/HA.02", 1x1	3,000	6,321	2.5	3.8	3,176	11	0.0006	0.007	0.255	117
Natural Gas	CCCT Dry "J/HA.02", DF, 1x1	3,000	9,087	0.8	3.8	1	11	0.0006	0.007	0.255	117
Natural Gas	CCCT Dry, "J/HA.02" 2X1	3,000	6,308	2.5	3.8	6,351	11	0.0006	0.007	0.255	117
Natural Gas	CCCT Dry "J/HA.02", DF, 2X1	3,000	9,039	0.8	3.8	2	11	0.0006	0.007	0.255	117
Natural Gas	SCCT Aero x3	5,050	9,189	2.6	3.9	38	58	0.0006	0.009	0.255	117
Natural Gas	Intercooled SCCT Aero x2	5,050	9,032	2.9	3.9	67	80	0.0006	0.009	0.255	117
Natural Gas	SCCT Frame "F" x1	5,050	9,614	2.7	3.9	58	20	0.0006	0.009	0.255	117
Natural Gas	IC Recips x 6	5,050	8,286	2.5	5.0	25	5	0.0006	0.029	0.255	117
Natural Gas	CCCT Dry "G/H", 1x1	5,050	6,374	2.5	3.8	2,595	11	0.0006	0.007	0.255	117
Natural Gas	CCCT Dry "G/H", DF, 1x1	5,050	9,172	0.8	3.8	1	11	0.0006	0.007	0.255	117
Natural Gas	CCCT Dry "G/H", 2x1	5,050	6,365	2.5	3.8	5,191	11	0.0006	0.007	0.255	117
Natural Gas	CCCT Dry "G/H", DF, 2x1	5,050	9,141	0.8	3.8	1	11	0.0006	0.007	0.255	117
Natural Gas	CCCT Dry "J/HA.02", 1x1	5,050	6,326	2.5	3.8	3,176	11	0.0006	0.007	0.255	117
Natural Gas	CCCT Dry "J/HA.02", DF, 1x1	5,050	9,211	0.8	3.8	1	11	0.0006	0.007	0.255	117
Natural Gas	CCCT Dry, "J/HA.02" 2X1	5,050	6,317	2.5	3.8	6,351	11	0.0006	0.007	0.255	117

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Description		Resource Characteristics						Costs					
		Elevation (AFSL)	Net Capacity (MW)	Resource Availability Year	Total Implementation Time (yrs)	Commercial Operation Year	Design Life (yrs)	Base Capital (\$/KW)	Var O&M (\$/MWh)	Fraction Var O&M Capitalized	Fraction Var O&M Adjusted by Capacity Changes	Fixed O&M (\$/KW-yr)	Fraction Fixed O&M Capitalized
Natural Gas	CCCT Dry "J/HA.02", DF, 2X1	5,050	126	2017	6	2023	40	302	0.16	0.00	0.27	4.05	0.00
Natural Gas	SCCT Aero x3	6,500	111	2017	4	2021	30	1,809	9.60	0.91	0.98	34.56	0.10
Natural Gas	Intercooled SCCT Aero x2	6,500	173	2017	4	2021	30	1,324	6.45	0.91	0.97	24.00	0.09
Natural Gas	SCCT Frame "F" x1	6,500	190	2017	4	2021	35	739	6.96	0.97	0.97	16.81	0.02
Natural Gas	IC Recips x 6	6,500	106	2017	4	2021	35	1,637	7.75	0.64	0.88	31.04	0.01
Natural Gas	CCCT Dry "G/H", 1x1	6,500	319	2017	5	2022	40	1,793	2.25	0.70	0.94	26.20	0.01
Natural Gas	CCCT Dry "G/H", DF, 1x1	6,500	51	2017	5	2022	40	443	0.15	0.00	0.27	5.39	0.00
Natural Gas	CCCT Dry "G/H", 2x1	6,500	639	2017	6	2023	40	1,332	2.13	0.74	0.93	17.61	0.01
Natural Gas	CCCT Dry "G/H", DF, 2x1	6,500	102	2017	6	2023	40	348	0.16	0.00	0.28	4.44	0.00
Natural Gas	CCCT Dry "J/HA.02", 1x1	6,500	394	2017	5	2022	40	1,551	2.15	0.70	0.93	22.33	0.00
Natural Gas	CCCT Dry "J/HA.02", DF, 1x1	6,500	63	2017	5	2022	40	378	0.16	0.00	0.28	4.86	0.00
Natural Gas	CCCT Dry, "J/HA.02" 2X1	6,500	789	2017	6	2023	40	1,155	2.05	0.74	0.93	15.18	0.01
Natural Gas	CCCT Dry "J/HA.02", DF, 2X1	6,500	126	2017	6	2023	40	302	0.16	0.00	0.27	4.06	0.00
Coal	SCPC with CCS	4,500	526	2027	7	2034	40	6,078	6.71	0.00	0.00	69.22	0.38
Coal	IGCC with CCS	4,500	466	2027	7	2034	40	5,884	11.28	0.79	0.00	55.78	0.00
Coal	PC CCS retrofit @ 500 MW	4,500	-139	2027	4	2031	20	1,334	6.20	0.00	0.00	74.52	0.38
Coal	SCPC with CCS	6,500	692	2027	7	2034	40	6,883	7.26	0.00	0.00	64.29	0.38
Coal	IGCC with CCS	6,500	456	2027	7	2034	40	6,663	13.52	0.79	0.00	60.76	0.00
Coal	PC CCS retrofit @ 500 MW	6,500	-139	2027	4	2031	20	1,511	6.71	0.00	0.00	69.22	0.38
Geothermal	Blundell Dual Flash 90% CF	4,500	35	2017	4	2021	40	5,847	1.12	0.00	0.00	101.06	0.06
Geothermal	Greenfield Binary 90% CF	4,500	43	2017	6	2023	40	7,990	1.12	0.00	0.00	151.63	0.06
Geothermal	Generic Geothermal PPA 90% CF	4,500	30	2017	4	2021	20	0	77.34	0.00	0.00	0.00	0.00
Wind	2.0 MW turbine 38% CF WA	1,500	100	2017	5	2022	30	1,824	0.00	0.00	0.00	39.50	0.23
Wind	2.0 MW turbine 38% CF OR	1,500	100	2017	5	2022	30	1,798	0.00	0.00	0.00	39.50	0.23
Wind	2.0 MW turbine 38% CF ID	4,500	100	2017	5	2022	30	1,836	0.00	0.00	0.00	39.50	0.23
Wind	2.0 MW turbine 31% CF UT	4,500	100	2017	5	2022	30	1,759	0.00	0.00	0.00	39.50	0.23
Wind	2.0 MW turbine 43% CF WY	6,500	100	2017	5	2022	30	1,761	0.65	0.00	0.00	39.50	0.23
Solar	PV Poly-Si Fixed Tilt 26.5% AC CF (1.37 MWdc/Mwac) UT	4,500	50.0	2017	2	2019	25	1,946	0.00	0.00	0.00	19.99	0.12
Solar	PV Poly-Si Single Tracking 31.6% AC CF (1.34 MWdc/Mwac) UT	4,500	50.0	2017	2	2019	25	2,034	0.00	0.00	0.00	21.03	0.12
Solar	PV Poly-Si Fixed Tilt 25.4% AC CF (1.34 MWdc/Mwac) OR	4,800	50.0	2017	2	2019	25	1,985	0.00	0.00	0.00	20.02	0.12
Solar	PV Poly-Si Single Tracking 29.2% AC CF (1.34 MWdc/Mwac) OR	4,800	50.0	2017	2	2019	25	2,069	0.00	0.00	0.00	21.06	0.12
Solar	CSP Trough w Natural Gas	4,500	100	2017	5	2022	30	6,448	0.00	0.00	0.00	68.46	0.39
Solar	CSP Tower 24% CF	4,500	100	2017	5	2022	30	6,141	0.00	0.00	0.00	68.46	0.39
Solar	CSP Tower Molten Salt 30% CF	4,500	100	2017	5	2022	30	7,367	0.00	0.00	0.00	68.46	0.39
Biomass	Forestry Byproduct	1,500	5	2017	5	2022	30	4,383	0.99	0.00	0.00	42.04	0.00
Storage	Pumped Storage 1 (3,800 MWh)	4,457	393	2017	5	2022	50	3,468	0.00	0.00	0.00	21.10	0.00
Storage	Pumped Storage 2 (12,000 MWh)	580	1,200	2017	5	2022	50	3,601	0.00	0.00	0.00	15.58	0.00
Storage	Pumped Storage 3 (7,000 MWh)	6,359	700	2017	0	2017	50	2,861	0.00	0.00	0.00	16.86	0.00
Storage	CAES (15,360 MWh)	4,640	320	2018	3	2021	30	2,138	0.77	0.41	0.00	18.90	0.00
Nuclear	Advanced Fission	5,000	2,234	2020	5	2025	40	6,524	11.37	0.00	0.00	98.35	0.38
Nuclear	Small Modular Reactor x 12	5,000	570	2021	10	2031	40	9,676	15.00	0.00	0.00	167.77	0.75

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Description		Operating Characteristics						Environmental			
Fuel	Resource	Elevation (AFSL)	Average Full Load Heat			Heat Input for	Water	SO2 (lbs/MMBtu)	NOx (lbs/MMBtu)	Hg (lbs/TBTu)	CO2 (lbs/MMBtu)
			Rate (HHV Btu/KWh)/Efficiency	EFOR (%)	POR (%)	Warm Start (HHV, MMBtu)	Consumed (Gal/MWh)				
Natural Gas	CCCT Dry "J/HA.02", DF, 2X1	5,050	9,158	0.8	3.8	2	11	0.0006	0.007	0.255	117
Natural Gas	SCCT Aero x3	6,500	9,195	2.6	3.9	38	58	0.0006	0.009	0.255	117
Natural Gas	Intercooled SCCT Aero x2	6,500	9,003	2.9	3.9	67	80	0.0006	0.009	0.255	117
Natural Gas	SCCT Frame "F" x1	6,500	9,605	2.7	3.9	58	20	0.0006	0.009	0.255	117
Natural Gas	IC Recips x 6	6,500	8,377	2.5	5.0	25	5	0.0006	0.029	0.255	117
Natural Gas	CCCT Dry "G/H", 1x1	6,500	6,395	2.5	3.8	2,595	11	0.0006	0.007	0.255	117
Natural Gas	CCCT Dry "G/H", DF, 1x1	6,500	9,524	0.8	3.8	1	11	0.0006	0.007	0.255	117
Natural Gas	CCCT Dry "G/H", 2x1	6,500	6,385	2.5	3.8	5,191	11	0.0006	0.007	0.255	117
Natural Gas	CCCT Dry "G/H", DF, 2x1	6,500	9,461	0.8	3.8	1	11	0.0006	0.007	0.255	117
Natural Gas	CCCT Dry "J/HA.02", 1x1	6,500	6,336	2.5	3.8	3,176	11	0.0006	0.007	0.255	117
Natural Gas	CCCT Dry "J/HA.02", DF, 1x1	6,500	9,524	0.8	3.8	1	11	0.0006	0.007	0.255	117
Natural Gas	CCCT Dry, "J/HA.02" 2X1	6,500	6,327	2.5	3.8	6,351	11	0.0006	0.007	0.255	117
Natural Gas	CCCT Dry "J/HA.02", DF, 2X1	6,500	9,469	0.8	3.8	2	11	0.0006	0.007	0.255	117
Coal	SCPC with CCS	4,500	13,087	5.0	5.0	0	1,004	0.0085	0.070	0.022	20.5
Coal	IGCC with CCS	4,500	10,823	8.0	7.0	0	394	0.0085	0.050	0.333	20.5
Coal	PC CCS retrofit @ 500 MW	4,500	14,372	5.0	5.0	2,450	1,004	0.0050	0.070	1.200	20.5
Coal	SCPC with CCS	6,500	13,242	5.0	5.0	0	1,004	0.0085	0.070	0.022	20.5
Coal	IGCC with CCS	6,500	11,047	8.0	7.0	0	394	0.0085	0.050	0.333	20.5
Coal	PC CCS retrofit @ 500 MW	6,500	14,372	5.0	5.0	2,450	1,004	0.0050	0.070	1.200	20.5
Geothermal	Blundell Dual Flash 90% CF	4,500	n/a	5.0	5.0	n/a	10	n/a	n/a	n/a	n/a
Geothermal	Greenfield Binary 90% CF	4,500	n/a	5.0	5.0	n/a	270	n/a	n/a	n/a	n/a
Geothermal	Generic Geothermal PPA 90% CF	4,500	n/a	5.0	5.0	n/a	270	n/a	n/a	n/a	n/a
Wind	2.0 MW turbine 38% CF WA	1,500	n/a	Included with CF		n/a	n/a	n/a	n/a	n/a	n/a
Wind	2.0 MW turbine 38% CF OR	1,500	n/a	Included with CF		n/a	n/a	n/a	n/a	n/a	n/a
Wind	2.0 MW turbine 38% CF ID	4,500	n/a	Included with CF		n/a	n/a	n/a	n/a	n/a	n/a
Wind	2.0 MW turbine 31% CF UT	4,500	n/a	Included with CF		n/a	n/a	n/a	n/a	n/a	n/a
Wind	2.0 MW turbine 43% CF WY	6,500	n/a	Included with CF		n/a	n/a	n/a	n/a	n/a	n/a
Solar	PV Poly-Si Fixed Tilt 26.5% AC CF (1.37 MWdc/Mwac) UT	4,500	n/a	Included with CF		n/a	n/a	n/a	n/a	n/a	n/a
Solar	PV Poly-Si Single Tracking 31.6% AC CF (1.34 MWdc/Mwac) UT	4,500	n/a	Included with CF		n/a	n/a	n/a	n/a	n/a	n/a
Solar	PV Poly-Si Fixed Tilt 25.4% AC CF (1.34 MWdc/Mwac) OR	4,800	n/a	Included with CF		n/a	n/a	n/a	n/a	n/a	n/a
Solar	PV Poly-Si Single Tracking 29.2% AC CF (1.34 MWdc/Mwac) OR	4,800	n/a	Included with CF		n/a	n/a	n/a	n/a	n/a	n/a
Solar	CSP Trough w Natural Gas	4,500	11,750	Included with CF		n/a	725	n/a	n/a	n/a	n/a
Solar	CSP Tower 24% CF	4,500	n/a	Included with CF		n/a	725	n/a	n/a	n/a	n/a
Solar	CSP Tower Molten Salt 30% CF	4,500	n/a	Included with CF		n/a	750	n/a	n/a	n/a	n/a
Biomass	Forestry Byproduct	1,500	0	0.0	0	0	0	0.1000	0.200	0.400	205
Storage	Pumped Storage 1 (3,800 MWh)	4,457	77.0%	3.0	5.8	na	0	0.0000	0.000	0.000	0
Storage	Pumped Storage 2 (12,000 MWh)	580	77.0%	3.0	5.8	na	0	0.0000	0.000	0.000	0
Storage	Pumped Storage 3 (7,000 MWh)	6,359	77.0%	3.0	5.8	na	0	0.0000	0.000	0.000	0
Storage	CAES (15,360 MWh)	4,640	4,227	3.0	1.5	na	0	0.0010	0.009	0.000	117
Nuclear	Advanced Fission	5,000	10,710	7.7	7.3	na	96	0.0000	0.000	0.000	0
Nuclear	Small Modular Reactor x 12	5,000	10,710	7.7	7.3	na	65	0.0000	0.000	0.000	0