Table - 2021 Supply Side Table (2020\$)

	Description	Re	source C	haracterist	ics		Costs				Operating Characte	ristics			Environ	mental	
			Net	Commercial					Fixed								
		Elevation	Capacity	Operation	Design		Demolition Cost		O&M	Average Full Load Heat Rate (HHV			Water Consumed		NOx		
Fuel	Resource	(AFSL)	(MW)	Year	Life (yrs)	Base Capital (\$/KW)	(\$/kW)	Var O&M (\$/MWh)	(\$/KW-yr)	Btu/KWh)/Efficiency	EFOR (%)	POR (%)	(Gal/MWh)	SO2 (lbs/MMBtu)	(lbs/MMBtu)	Hg (lbs/TBTu)	CO2 (lbs/MMBtu)
Natural Gas	SCCT Aero x3	0	169	2025	30	1,463	10.00	7.44	0.00	9,350	2.6	3.9	43.6	0.0006	0.0090	0.255	117
Natural Gas	Intercooled SCCT Aero x2	0	227	2025	30	1,126	10.03	5.03	0.00	8,800	2.9	3.9	27.0	0.0006	0.0090	0.255	117
Natural Gas Natural Gas	SCCT Frame "F" x1 Brownfield SCCT Frame "F" x1	0	239 239	2025 2025	35 35	699 674	10.09 10.09	14.16 14.16	0.00	9,913 9,913	2.7 2.7	3.9 3.9	28.4 28.4	0.0006 0.0006	0.0090	0.255 0.255	117 117
Natural Gas	IC Recips x 6	0	111	2025	40	1,938	12.14	10.39	0.00	8,286	2.5	5.0	27.1	0.0006	0.0288	0.255	117
Natural Gas	CCCT Dry "H", 1x1	0	422	2026	40	1,396	10.05	1.77	0.00	6,343	2.5	3.8	23.6	0.0006	0.0072	0.255	117
Natural Gas	CCCT Dry "H", DF, 1x1	0	51	2026	40	470	0.00	0.05	0.00	8,838	2.5	3.8	23.0	0.0006	0.0072	0.255	117
Natural Gas	CCCT Dry "H", 2x1	0	842	2027	40	1,019	9.89	1.71	0.00	6,361	2.5	3.8	20.1	0.0006	0.0072	0.255	117
Natural Gas	CCCT Dry "H", DF, 2x1	0	102	2027	40	357	0.00	0.05	0.00	8,665	2.5	3.8	19.8	0.0006	0.0072	0.255	117
Natural Gas Natural Gas	Brownfield CCCT Dry "H", DF, 2x1 CCCT Dry "J", 1x1	0	842 615	2027 2026	40 40	1,019 1,065	9.89 9.95	1.08 1.48	0.00	6,610 6,264	2.5 2.5	3.8 3.8	19.8 20.4	0.0006	0.0072 0.0072	0.255 0.255	117 117
Natural Gas	CCCT Dry "J", DF, 1x1	0	63	2026	40	397	0.00	0.06	0.00	8,769	2.5	3.8	20.1	0.0006	0.0072	0.255	117
Natural Gas	CCCT Dry "J", 2x1	0	1,232	2027	40	787	9.90	1.43	0.00	6,251	2.5	3.8	17.9	0.0006	0.0072	0.255	117
Natural Gas	CCCT Dry "J", DF, 2x1	0	126	2027	40	309	0.00	0.06	0.00	8,704	2.5	3.8	17.8	0.0006	0.0072	0.255	117
Natural Gas	SCCT Aero x3	1,500	159	2025	30	1,551	13.91	7.89	0.00	9,362	2.6	3.9	43.6	0.0006	0.0090	0.255	117
Natural Gas	Intercooled SCCT Aero x2	1,500	215	2025	30	1,188	13.93	5.31	0.00	8,802	2.9	3.9	27.0	0.0006	0.0090	0.255	117
Natural Gas Natural Gas	SCCT Frame "F" x1 Brownfield SCCT Frame "F" x1	1,500 1,500	227 227	2025 2025	35 35	738 711	13.84	14.94 14.94	0.00	9,916 9.916	2.7 2.7	3.9 3.9	28.4	0.0006	0.0090	0.255	117 117
Natural Gas Natural Gas	IC Recips x 6	1,500	111	2025	40	1.938	13.84	10.39	0.00	8.286	2.7	5.0	28.4	0.0006	0.0090	0.255	117
Natural Gas	CCCT Dry "H", 1x1	1,500	397	2026	40	1,484	13.80	1.88	0.00	6,384	2.5	3.8	23.6	0.0006	0.0072	0.255	117
Natural Gas	CCCT Dry "H", DF, 1x1	1,500	51	2027	40	470	0.00	0.05	0.00	8,789	2.5	3.8	23.0	0.0006	0.0072	0.255	117
Natural Gas	CCCT Dry "H", 2x1	1,500	797	2027	40	1,077	14.11	1.81	0.00	6,367	2.5	3.8	20.1	0.0006	0.0072	0.255	117
Natural Gas	CCCT Dry "H", DF, 2x1	1,500	102	2026	40	357	0.00	0.05	0.00	8,713	2.5	3.8	19.8	0.0006	0.0072	0.255	117
Natural Gas	Brownfield CCCT Dry "H", DF, 2x1	1,500	797	2026	40 40	1,077	14.11	1.14	0.00	6,633	2.5	3.8	19.8	0.0006	0.0072	0.255	117
Natural Gas Natural Gas	CCCT Dry "J", 1x1 CCCT Dry "J", DF, 1x1	1,500 1,500	582 63	2027 2027	40	1,125 397	14.02 0.00	1.57 0.06	0.00	6,264 8,816	2.5 2.5	3.8 3.8	20.4 20.1	0.0006 0.0006	0.0072 0.0072	0.255 0.255	117 117
Natural Gas	CCCT Dry "J", 2x1	1,500	1,166	2027	40	832	14.10	1.51	0.00	6.249	2.5	3.8	17.9	0.0006	0.0072	0.255	117
Natural Gas	CCCT Dry "J", DF, 2x1	1,500	126	2026	40	309	0.00	0.06	0.00	8,742	2.5	3.8	17.8	0.0006	0.0072	0.255	117
Natural Gas	SCCT Aero x3	3,000	150	2025	30	1,645	11.24	8.37	0.00	9,380	2.6	3.9	43.6	0.0006	0.0090	0.255	117
Natural Gas	Intercooled SCCT Aero x2	3,000	203	2025	30	1,260	11.23	5.63	0.00	8,811	2.9	3.9	27.0	0.0006	0.0090	0.255	117
Natural Gas	SCCT Frame "F" x1	3,000	214	2025	35	779	11.25	15.79	0.00	9,928	2.7	3.9	28.4	0.0006	0.0090	0.255	117
Natural Gas Natural Gas	Brownfield SCCT Frame "F" x1 IC Recips x 6	3,000 3,000	214 111	2025 2026	35 40	751 1.938	11.25 12.14	15.78 10.39	0.00	9,928 8,286	2.7 2.5	3.9 5.0	28.4 27.1	0.0006 0.0006	0.0090 0.0288	0.255 0.255	117 117
Natural Gas	CCCT Dry "H", 1x1	3,000	376	2026	40	1,569	11.30	1.99	0.00	6,387	2.5	3.8	23.6	0.0006	0.0072	0.255	117
Natural Gas	CCCT Dry "H", DF, 1x1	3,000	51	2027	40	470	0.00	0.05	0.00	8,816	2.5	3.8	23.0	0.0006	0.0072	0.255	117
Natural Gas	CCCT Dry "H", 2x1	3,000	750	2027	40	1,144	11.10	1.92	0.00	6,400	2.5	3.8	20.1	0.0006	0.0072	0.255	117
Natural Gas	CCCT Dry "H", DF, 2x1	3,000	102	2026	40	357	0.00	0.05	0.00	8,756	2.5	3.8	19.8	0.0006	0.0072	0.255	117
Natural Gas	Brownfield CCCT Dry "H", DF, 2x1	3,000	750	2026	40	1,144	11.10	1.21	0.00	6,682	2.5	3.8	19.8	0.0006	0.0072	0.255	117
Natural Gas Natural Gas	CCCT Dry "J", 1x1 CCCT Dry "J", DF, 1x1	3,000 3.000	550 63	2027 2027	40 40	1,189 397	11.12 0.00	1.66 0.06	0.00	6,270 8.837	2.5 2.5	3.8 3.8	20.4	0.0006 0.0006	0.0072	0.255 0.255	117 117
Natural Gas Natural Gas	CCCT Dry "J", 2x1	3,000	1,103	2027	40	879	11.05	1.60	0.00	6,256	2.5	3.8	20.1 17.9	0.0006	0.0072	0.255	117
Natural Gas	CCCT Dry "J", DF, 2x1	3,000	126	2026	40	309	0.00	0.06	0.00	8,763	2.5	3.8	17.8	0.0006	0.0072	0.255	117
Natural Gas	SCCT Aero x3	5,050	139	2025	30	1,777	12.14	9.04	0.00	9,400	2.6	3.9	43.6	0.0006	0.0090	0.255	117
Natural Gas	Intercooled SCCT Aero x2	5,050	187	2025	30	1,363	12.14	6.09	0.00	8,816	2.9	3.9	27.0	0.0006	0.0090	0.255	117
Natural Gas	SCCT Frame "F" x1	5,050	199	2025	35	841	12.14	17.04	0.00	9,936	2.7	3.9	28.4	0.0006	0.0090	0.255	117
Natural Gas	Brownfield SCCT Frame "F" x1	5,050	199	2025	35	811	12.14	17.03	0.00	9,936	2.7	3.9	28.4	0.0006	0.0090	0.255	117
Natural Gas Natural Gas	IC Recips x 6 CCCT Dry "H", 1x1	5,050 5,050	111 350	2026 2026	40 40	1,938 1.687	12.14 12.14	10.39 2.14	0.00	8,292 6.362	2.5 2.5	5.0 3.8	27.1 23.6	0.0006 0.0006	0.0288	0.255 0.255	117 117
Natural Gas	CCCT Dry "H", DF, 1x1	5,050	51	2026	40	470	0.00	0.05	0.00	8,545	2.5	3.8	23.0	0.0006	0.0072	0.255	117
Natural Gas	CCCT Dry "H", 2x1	5,050	686	2027	40	1,252	12.14	2.10	0.00	6,487	2.5	3.8	20.1	0.0006	0.0072	0.255	117
Natural Gas	CCCT Dry "H", DF, 2x1	5,050	102	2027	40	358	0.00	0.05	0.00	9,470	2.5	3.8	19.8	0.0006	0.0072	0.255	117
Natural Gas	Brownfield CCCT Dry "H", DF, 2x1	5,050	686	2027	40	1,251	12.14	1.33	0.00	6,874	2.5	3.8	19.8	0.0006	0.0072	0.255	117
Natural Gas	CCCT Dry "J", 1x1	5,050	504 63	2026	40 40	1,299 397	12.14 0.00	1.81 0.06	0.00	6,352	2.5	3.8	20.4	0.0006 0.0006	0.0072	0.255	117
Natural Gas Natural Gas	CCCT Dry "J", DF, 1x1 CCCT Dry "J", 2x1	5,050 5,050	1,004	2026 2027	40	966	12.14	1.76	0.00	9,452 6,373	2.5 2.5	3.8 3.8	20.1 17.9	0.0006	0.0072	0.255 0.255	117 117
Natural Gas	CCCT Dry "J", DF, 2x1	5,050	126	2027	40	309	0.00	0.06	0.00	9,456	2.5	3.8	17.8	0.0006	0.0072	0.255	117
Natural Gas	SCCT Aero x3	6,500	126	2025	30	1,957	13.37	9.96	0.00	9,314	2.6	3.9	43.6	0.0006	0.0090	0.255	117
Natural Gas	Intercooled SCCT Aero x2	6,500	179	2025	30	1,427	12.72	6.37	0.00	8,786	2.9	3.9	27.0	0.0006	0.0090	0.255	117
Natural Gas	SCCT Frame "F" x1	6,500	189	2025	35	886	12.80	17.95	0.00	9,930	2.7	3.9	28.4	0.0006	0.0090	0.255	117
Natural Gas Natural Gas	Brownfield SCCT Frame "F" x1	6,500 6,500	189	2025 2026	35 40	854 1,937	12.80 12.14	17.95 10.39	0.00	9,930 8.333	2.7	5.0 3.8	28.4 27.1	0.0006 0.0006	0.0090 0.0288	0.255 0.255	117
Natural Gas Natural Gas	IC Recips x 6 CCCT Dry "H", 1x1	6,500	111 335	2026	40	1,937	12.14	10.39	0.00	8,333 6,390	2.5 2.5	3.8	27.1	0.0006	0.0288	0.255	117 117
Natural Gas Natural Gas	CCCT Dry "H", DF, 1x1	6,500	51	2026	40	470	0.00	0.05	0.00	8,857	2.5	3.8	23.0	0.0006	0.0072	0.255	117
Natural Gas	CCCT Dry "H", 2x1	6,500	669	2027	40	1,283	12.45	2.15	0.00	6,399	2.5	3.8	20.1	0.0006	0.0072	0.255	117
Natural Gas	CCCT Dry "H", DF, 2x1	6,500	102	2026	40	357	0.00	0.05	0.00	8,852	2.5	4.8	19.8	0.0006	0.0072	0.255	117
Natural Gas	Brownfield CCCT Dry "H", DF, 2x1	6,500	669	2026	40	1,283	12.45	1.36	0.00	6,724	2.5	5.8	19.8	0.0006	0.0072	0.255	117
Natural Gas	CCCT Dry "J", 1x1	6,500	490	2027	40	1,337	12.50	1.86	0.00	6,273	2.5	6.8	20.4	0.0006	0.0072	0.255	117
Natural Gas	CCCT Dry "J", DF, 1x1	6,500 6,500	63	2027 2026	40 40	397 988	0.00	0.06	0.00	8,864	2.5	7.8	20.1	0.0006	0.0072	0.255	117 117
Natural Gas Natural Gas	CCCT Dry "J", 2x1 CCCT Dry "J", DF, 2x1	6,500 6,500	981 126	2026 2026	40 40	988 309	12.43	1.80 0.06	0.00	6,259 8,789	2.5 2.5	8.8 9.8	17.9 17.8	0.0006 0.0006	0.0072 0.0072	0.255 0.255	117 117
ivaturar Gas	ccci biş 3,bi,LnI	0,500	120	2020	40	303	5.00	0.00	0.00	0,703	د	3.0	17.0	0.0000	0.0072	3.233	41/

Table - 2021 Supply Side Table (2020\$), Continued

Coal Coal P	Resource SCPC with CCS IGCC with CCS PC CCS retrofit @ 500 MW pre-retrofit basis SCPC with CCS IGCC with CS	Elevation (AFSL) 4,500 4,500 6,500 6,500 6,500 4,500 4,500 4,500	(MW) 526 466 -115 692 456 -115	Commercial Operation Year 2028 2028 2026 2028 2028	Design Life (yrs) 40 40 20 40	Base Capital (\$/KW) 6,488 6,282	Demolition Cost (\$/kW) 127.00	Var O&M (\$/MWh)	Fixed O&M (\$/KW-yr)	Average Full Load Heat Rate (HH	IV EFOR (%)	POR (%)	Water Consumed (Gal/MWh)	SO2 (lbs/MMBtu)	NOx (lbs/MMBtu)	U - Wh - CTDT A	
Coal S Coal I Coal S Coal I Coal S Coal I Coal S Coal I Coal S Coal Coal S Coal Coa	SCPC with CCS IGCC with CCS PC CCS retroit @ 500 MW pre-retrofit basis SCPC with CCS IGCC with CCS IGCC with CCS PC CCS retroit @ 500 MW pre-retrofit basis Bundel Dual Flash 00% CF Greenfield Binary 90% CF Gement Geothermal PPA 90% CF Gement Geothermal PPA 90% CP PCAtatello, ID, 200 MW, CF: 37.1%	(AFSL) 4,500 4,500 4,500 6,500 6,500 6,500 4,500 4,500	Capacity (MW) 526 466 -115 692 456 -115	Operation Year 2028 2028 2026 2028	40 40 20	6,488	(\$/kW)		0&M			POR (%)		502 (%- (\$4540)-)		11- (II- (TDT.)	
Coal S Coal I Coal S Coal I Coal S Coal I Coal S Coal I Coal S Coal Coal S Coal Coa	SCPC with CCS IGCC with CCS PC CCS retroit @ 500 MW pre-retrofit basis SCPC with CCS IGCC with CCS IGCC with CCS PC CCS retroit @ 500 MW pre-retrofit basis Bundel Dual Flash 00% CF Greenfield Binary 90% CF Gement Geothermal PPA 90% CF Gement Geothermal PPA 90% CP PCAtatello, ID, 200 MW, CF: 37.1%	(AFSL) 4,500 4,500 4,500 6,500 6,500 6,500 4,500 4,500	(MW) 526 466 -115 692 456 -115	Year 2028 2028 2026 2028	40 40 20	6,488	(\$/kW)					POR (%)		CO2 (III - (1414B) -)		11- (II- (TDT-)	
Coal CO Coal P	IGCC with CCS	4,500 4,500 6,500 6,500 6,500 4,500 4,500	466 -115 692 456 -115	2028 2026 2028	40 20	.,	127.00						(Gai/iviwn)	SOZ (IDS/IVIIVIBTU)	(IDS/IVIIVIBLU)	Hg (IDS/TBTU)	CO2 (lbs/MMBtu
Coal	PC.CCS retrofit @ 500 MW pre-retrofit basis SCPC with CCS IGCC with CCS	4,500 6,500 6,500 6,500 4,500 4,500	-115 692 456 -115	2026 2028	20	6,282		7.00	72.22	13,087	5.0	5.0	1,004	0.0085	0.070	0.022	20.5
Coal S Coal I Coal P Coal P	SCPC with CCS IGCC with CCS PC CCS retrofit @ 500 MW pre-retrofit basis Blundell Dual Flash 90% CF Greenfield Binary 90% CF Generic Geothermal PPA 90% CF PCAtatello, ID, 200 MW, CF: 37.1%	6,500 6,500 6,500 4,500 4,500	692 456 -115	2028			60.00	11.77	58.20	10,823	8.0	7.0	394	0.0085	0.050	0.333	20.5
Coal IG Coal P Geothermal B Geothermal G Geothermal G Wind P Wind A	IGCC with CCS PC CCS retrofit @ 500 MW pre-retrofit basis Blundell Dual Flash 90% CF Greenfield Binary 90% CF Generic Geothermal PPA 90% CF Pocatello, ID, 200 MW, CF: 37.1%	6,500 6,500 4,500 4,500	456 -115			2,971 7,348	37.00 127.00	3.29 7.58	28.18 67.09	14,372 13.242	5.0 5.0	5.0 5.0	450 1,004	0.0050 0.0085	0.070	1.200 0.022	20.5
Coal P Geothermal B Geothermal G Geothermal G Wind P Wind A	PC.CCS retrofit @ 500 MW pre-retrofit basis Blundell Dual Flash 90% CF Greenfield Binary 90% CF Generic Geothermal PPA 90% CF PCAtatello, ID, 200 MW, CF: 37.1%	6,500 4,500 4,500	-115		40	7,113	60.00	14.11	63.40	11,047	8.0	7.0	394	0.0085	0.050	0.333	20.5
Geothermal G Geothermal G Wind P Wind A	Greenfield Binary 90% CF Generic Geothermal PPA 90% CF Pocatello, ID, 200 MW, CF: 37.1%	4,500		2026	20	2,971	37.00	3.29	28.18	14,372	5.0	5.0	450	0.0050	0.070	1.200	20.5
Geothermal G Wind P Wind A	Generic Geothermal PPA 90% CF Pocatello, ID, 200 MW, CF: 37.1%		35	2021	40	5,708	127.00	1.16	103.85	n/a	5.0	5.0	10.0	n/a	n/a	n/a	n/a
Wind P Wind A	Pocatello, ID, 200 MW, CF: 37.1%		43 30	2023 2021	40 20	5,973 0	127.00	1.16 77.34	103.85	n/a n/a	5.0 5.0	5.0 5.0	270 270	n/a n/a	n/a n/a	n/a n/a	n/a n/a
Wind A		4,500	200	2021	30	1,365	12.50	0.00	24.74	N/A	Included with CF	Included with CF	n/a	n/a	n/a	n/a	n/a
Martinest		1,500	200	2024	30	1,315	12.50	0.00	24.74	N/A	Included with CF	Included with CF	n/a	n/a	n/a	n/a	n/a
	Monticello, UT, 200 MW, CF: 29.5%	4,500	200	2024	30	1,306	12.50	0.00	24.74	N/A	Included with CF	Included with CF	n/a	n/a	n/a	n/a	n/a
	Medicine Bow, WY, 200 MW, CF: 43.6% Goldendale, WA, 200 MW, CF: 37.1%	6,500 1,500	200 200	2024 2024	30 30	1,356 1,390	12.50 12.50	0.00	24.74	N/A N/A	Included with CF Included with CF	Included with CF Included with CF	n/a n/a	n/a n/a	n/a n/a	n/a n/a	n/a n/a
	Pocatello, ID, 200 MW, CF: 37.1% + BESS: 50% pwr. 4 hours	4,500	200	2024	30	2,152	232.50	0.00	37.59	N/A 85%	Included with CF	Included with CF	n/a n/a	n/a n/a	n/a n/a	n/a n/a	n/a n/a
	Arlington, OR, 200 MW, CF: 37.1% + BESS: 50% pwr, 4 hours	1,500	200	2024	30	2,086	232.50	0.00	37.59	85%	Included with CF	Included with CF	n/a	n/a	n/a	n/a	n/a
Wind + Storage N	Monticello, UT, 200 MW, CF: 29.5% + BESS: 50% pwr, 4 hours	4,500	200	2024	30	2,061	232.50	0.00	37.59	85%	Included with CF	Included with CF	n/a	n/a	n/a	n/a	n/a
	Medicine Bow, WY, 200 MW, CF: 43.6% + BESS: 50% pwr, 4 hours	6,500	200	2024	30	2,136	232.50	0.00	37.59	85%	Included with CF	Included with CF	n/a	n/a	n/a	n/a	n/a
	Goldendale, WA, 200 MW, CF: 37.1% + BESS: 50% pwr, 4 hours Idah Falls, ID. 100 MW, CF: 26.1%	1,500 4,700	200 100	2024	30 25	2,211 1.429	232.50 35.00	0.00	37.59 16.20	85% n/a	Included with CF Included with CF	Included with CF Included with CF	n/a n/a	n/a n/a	n/a n/a	n/a n/a	n/a n/a
	Idah Falls, ID, 200 MW, CF: 26.1%	4,700	200	2023	25 25	1,302	35.00	0.00	16.20	n/a n/a	Included with CF	Included with CF	n/a n/a	n/a n/a	n/a n/a	n/a n/a	n/a n/a
	Lakeview, OR, 100 MW, CF: 27.6%	4,800	100	2023	25	1,444	35.00	0.00	16.20	n/a	Included with CF	Included with CF	n/a	n/a	n/a	n/a	n/a
	Lakeview, OR, 200 MW, CF: 27.6%	4,800	200	2023	25	1,330	35.00	0.00	16.10	n/a	Included with CF	Included with CF	n/a	n/a	n/a	n/a	n/a
	Milford, UT, 100 MW, CF: 30.2%	5,000	100	2023	25	1,422	35.00	0.00	17.60	n/a	Included with CF	Included with CF	n/a	n/a	n/a	n/a	n/a
	Milford, UT, 200 MW, CF: 30.2% Rock Springs, WY, 100 MW, CF: 27.9%	5,000 6,400	200 100	2023 2023	25 25	1,297 1,423	35.00 35.00	0.00 0.00	17.60 17.60	n/a n/a	Included with CF Included with CF	Included with CF Included with CF	n/a n/a	n/a n/a	n/a n/a	n/a n/a	n/a n/a
	Rock Springs, WY, 200 MW, CF: 27.9%	6,400	200	2023	25	1,297	35.00	0.00	17.60	n/a	Included with CF	Included with CF	n/a	n/a	n/a	n/a	n/a
Solar Y	Yakima, WA, 100 MW, CF: 24.2%	1,000	100	2023	25	1,486	35.00	0.00	17.60	n/a	Included with CF	Included with CF	n/a	n/a	n/a	n/a	n/a
	Yakima, WA, 200 MW, CF: 24.2%	1,000	200	2023	25	1,357	35.00	0.00	17.60	n/a	Included with CF	Included with CF	n/a	n/a	n/a	n/a	n/a
	Idah Falls, ID, 100 MW, CF: 26.1% + BESS: 50% pwr, 4 hours Idah Falls, ID, 200 MW, CF: 26.1% + BESS: 50% pwr, 4 hours	4,700 4,700	100 200	2023 2023	25 25	2,351	255.00 255.00	0.00	30.00 28.95	85% 85%	Included with CF Included with CF	Included with CF Included with CF	n/a n/a	n/a n/a	n/a n/a	n/a n/a	n/a n/a
	Lakeview, OR, 100 MW, CF, 27.6% + BESS; 50% pwr, 4 hours	4,700	100	2023	25	2,161	255.00	0.00	30.00	85%	Included with CF	Included with CF	n/a	n/a	n/a	n/a	n/a
	Lakeview, OR, 200 MW, CF: 27.6% + BESS: 50% pwr, 4 hours	4,800	200	2023	25	2,154	255.00	0.00	28.95	85%	Included with CF	Included with CF	n/a	n/a	n/a	n/a	n/a
	Milford, UT, 100 MW, CF: 30.2% + BESS: 50% pwr, 4 hours	5,000	100	2023	25	2,283	255.00	0.00	31.40	85%	Included with CF	Included with CF	n/a	n/a	n/a	n/a	n/a
	Milford, UT, 200 MW, CF: 30.2% + BESS: 50% pwr, 4 hours	5,000	200	2023	25	2,102	255.00	0.00	30.45	85%	Included with CF	Included with CF	n/a	n/a	n/a	n/a	n/a
	Rock Springs, WY, 100 MW, CF: 27.9% + BESS: 50% pwr, 4 hours Rock Springs, WY, 200 MW, CF: 27.9% + BESS: 50% pwr, 4 hours	6,400 6,400	100 200	2023 2023	25 25	2,312 2.128	255.00 255.00	0.00	31.40 30.45	85% 85%	Included with CF Included with CF	Included with CF Included with CF	n/a n/a	n/a n/a	n/a n/a	n/a n/a	n/a n/a
	Yakima, WA, 100 MW, CF: 24.2% + BESS: 50% pwr, 4 hours	1,000	100	2023	25	2,405	255.00	0.00	31.40	85%	Included with CF	Included with CF	n/a	n/a	n/a	n/a	n/a
	Yakima, WA, 200 MW, CF: 24.2% + BESS: 50% pwr, 4 hours	1,000	200	2023	25	2,217	255.00	0.00	30.45	85%	Included with CF	Included with CF	n/a	n/a	n/a	n/a	n/a
	Idah Falls, ID, 200 MW, CF: 26.1% + BESS: 50% pwr, 4 hours + 200 MW Wind	4,700	200	2023	25	3,395	267.50	0.00	82.95	85%	Included with CF	Included with CF	n/a	n/a	n/a	n/a	n/a
	Lakeview, OR, 200 MW, CF: 27.6% + BESS: 50% pwr, 4 hours + 200 MW Wind Milford, UT, 200 MW, CF: 30.2% + BESS: 50% pwr, 4 hours + 200 MW Wind	4,800 5,000	200 200	2023 2023	25 25	3,424 3,364	267.50 267.50	0.00	82.95 81.45	85% 85%	Included with CF Included with CF	Included with CF Included with CF	n/a n/a	n/a n/a	n/a n/a	n/a n/a	n/a n/a
	Rock Springs, WY, 200 MW, CF: 27.9% + BESS: 50% pwr, 4 hours + 200 MW Wind	6,400	200	2023	25	3,364	267.50	0.00	81.45	85%	Included with CF	Included with CF	n/a	n/a	n/a	n/a	n/a
	Yakima, WA, 200 MW, CF: 24.2% + BESS: 50% pwr, 4 hours + 200 MW Wind	1,000	200	2023	25	3,424	267.50	0.00	81.45	85%	Included with CF	Included with CF	n/a	n/a	n/a	n/a	n/a
	Pumped Hydro, Swan Lake	N/A	400	2027	60	3,095	2,600.00	0.00	12.50	78%	0.0	0.0	n/a	0.0000	0.000	0.000	0
	Pumped Hydro, Goldendale Pumped Hydro, Seminoe	N/A N/A	1,200 750	2028 2029	60 80	2,833 3,461	2,600.00 2,600.00	0.00 0.37	12.50 16.00	78% 80%	0.0 0.0	0.0 0.0	n/a n/a	0.0000 0.0000	0.000	0.000	0
	Pumped Hydro, Seminoe Pumped Hydro, Badger Mountain	N/A N/A	500	2029	80	2.621	2,600.00	0.37	28.00	80%	0.0	0.0	n/a n/a	0.0000	0.000	0.000	0
	Pumped Hydro, Owyhee	N/A	600	2029	80	3,203	2,600.00	0.37	20.00	80%	0.0	0.0	n/a	0.0000	0.000	0.000	0
-	Pumped Hydro, Flat Canyon	N/A	300	2029	80	4,046	2,600.00	0.37	53.33	80%	0.0	0.0	n/a	0.0000	0.000	0.000	0
	Pumped Hydro, Utah PS2	N/A	500 600	2027	80	3,237	2,600.00	0.37	28.00	80% 80%	0.0	0.0	n/a	0.0000	0.000	0.000	0
	Pumped Hydro, Utah PS3 Pumped Hydro, Banner Mountain	N/A N/A	600 400	2029 2028	80 50	3,371 3,276	2,600.00 2,600.00	0.37 0.00	20.00 28.50	80% 81%	0.0 0.0	0.0	n/a n/a	0.0000	0.000	0.000	0
	Adiabatic CAES, Hydrostor, 150 MW, 600 MWh	N/A	150	2024	50	1,954	12.14	6.50	12.67	60%	0.0	0.0	n/a	0.0000	0.000	0.000	0
Storage A	Adiabatic CAES, Hydrostor, 150 MW, 1200 MWh	N/A	150	2024	50	2,189	12.14	6.50	12.67	60%	0.0	0.0	n/a	0.0000	0.000	0.000	0
	Adiabatic CAES, Hydrostor, 150 MW, 1800 MWh	N/A	150	2024	50	2,445	12.14	6.50	12.67	60%	0.0	0.0	n/a	0.0000	0.000	0.000	0
	Adiabatic CAES, Hydrostor, 300 MW, 1200 MWh Adiabatic CAES, Hydrostor, 300 MW, 2400 MWh	N/A N/A	300 300	2024 2024	50 50	1,557 1.692	12.14 12.14	6.50 6.50	9.33 9.33	60% 60%	0.0	0.0	n/a n/a	0.0000	0.000	0.000	0
	Adiabatic CAES, Hydrostor, 300 MW, 2400 MWh Adiabatic CAES, Hydrostor, 300 MW, 3600 MWh	N/A N/A	300	2024	50	2,016	12.14	6.50	9.33	60%	0.0	0.0	n/a n/a	0.0000	0.000	0.000	0
Storage A	Adiabatic CAES, Hydrostor, 500 MW, 2000 MWh	N/A	500	2024	50	1,549	12.14	6.50	6.60	60%	0.0	0.0	n/a	0.0000	0.000	0.000	0
	Adiabatic CAES, Hydrostor, 500 MW, 4000 MWh	N/A	500	2025	50	1,762	12.14	6.50	6.60	60%	0.0	0.0	n/a	0.0000	0.000	0.000	0
	Adiabatic CAES, Hydrostor, 500 MW, 6000 MWh	N/A	500	2025	50	1,930	12.14	6.50	6.60	60%	0.0	0.0	n/a	0.0000	0.000	0.000	0
	Li-lon Battery, , 1 MW, 0.5 MWh Li-lon Battery 1 MW. 1 MWh	N/A N/A	1	2023 2023	20 20	1,948 2,058	55.00 110.00	Included in FOM Included in FOM	40.00 50.00	85% 85%	0.0	0.0	n/a n/a	0.0000	0.000	0.000	0
	Li-Ion Battery, , 1 MW, 4 MWh	N/A	1	2023	20	3,167	440.00	Included in FOM	70.00	85%	0.0	0.0	n/a	0.0000	0.000	0.000	0
Storage L	Li-Ion Battery, , 1 MW, 8 MWh	N/A	1	2023	20	4,608	880.00	Included in FOM	100.00	85%	0.0	0.0	n/a	0.0000	0.000	0.000	0
	Li-Ion Battery, , 50 MW, 200 MWh	N/A	50	2023	20	1,828	440.00	Included in FOM	27.60	85%	0.0	0.0	n/a	0.0000	0.000	0.000	0
	Flow Battery, , 1 MW, 1 MWh Flow Battery, . 1 MW, 4 MWh	N/A N/A	1	2023 2023	20 20	4,719 5,051	12.14 12.14	Included in FOM Included in FOM	13.00 13.00	70% 70%	0.0 0.0	0.0 0.0	n/a n/a	0.0000 0.0000	0.000	0.000	0
	Flow Battery, , 1 MW, 4 MWh	N/A N/A	1	2023	20	7,268	12.14	Included in FOM	27.00	70%	0.0	0.0	n/a n/a	0.0000	0.000	0.000	0
Storage F	Flow Battery, , 20 MW, 160 MWh	N/A	20	2023	20	4,686	12.14	Included in FOM	30.50	70%	0.0	0.0	n/a	0.0000	0.000	0.000	0
Nuclear S	Small Modular Reactor	5,000	854	2028	60	6,257	721.53	16.14	180.53	N/A	5.0	5.0	767	0.0000	0.000	0.000	0

				Capital Cost \$/k	w					Fixed Cost		
Supply Side Resource Options Mid-Calendar Year 2020 Dollars (\$)									Fixed O&M	\$/kW-Yr		
Ma-Cateldal Teal 2020 Dollars (9)									Trace occ.	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
December Description	Modeled IRP	Elevation	Total Capital Cost 1/	Damalidas Cart		Annual Payment (\$/kW- Yr)	O&M 1/	Capitalized Premium	O&M Capitalized 1/	Gas Transportation 1/	Total	Total Fixed
Resource Description SCCT Aero x3	No No	(AFSL)	\$1,463		7.497%	/	\$0.00	1.262%	\$0.00	\$31.94	\$31.94	(\$/kW-Yr) \$142.37
Intercooled SCCT Aero x2	No	0	\$1,126		7.497%	\$85.14	\$0.00	1.135%	\$0.00	\$30.03	\$30.03	\$115.17
SCCT Frame "F" x1	No	0	\$699		7.049%	\$49.97	\$0.00	0.273%	\$0.00	\$33.77	\$33.77	\$83.74
Brownfield SCCT Frame "F" x1	No	0	\$674	\$10.09	7.049%	\$48.20	\$0.00	0.273%	\$0.00	\$33.77	\$33.77	\$81.97
IC Recips x 6	No	0	\$1,938	\$12.14	7.049%	\$137.45	\$0.00	0.136%	\$0.00	\$28.47	\$28.47	\$165.92
CCCT Dry "H", 1x1	No	0	\$1,396		6.886%		\$0.00	0.146%	\$0.00	\$23.57	\$23.57	\$120.41
CCCT Dry "H", DF, 1x1	No	0	\$470		6.886%		\$0.00	0.000%	\$0.00	\$23.57	\$23.57	\$55.91
CCCT Dry "H", 2x1	No	0	\$1,019		6.886%		\$0.00	0.146%	\$0.00	\$23.62	\$23.62	\$94.48
CCCT Dry "H", DF, 2x1 Brownfield CCCT Dry "H", DF, 2x1	No No	0	\$357 \$1,019	\$0.00 \$9.89	6.886% 6.886%	\$24.60 \$70.83	\$0.00 \$0.00	0.000% 0.000%	\$0.00 \$0.00	\$23.62 \$23.36	\$23.62 \$23.36	\$48.22 \$94.19
CCCT Dry "J", 1x1	No No	0	\$1,065	\$9.95	6.886%		\$0.00	0.000%	\$0.00	\$23.36 \$23.36	\$23.36 \$23.36	\$97.35
CCCT Dry "J", DF, 1x1	No	0	\$397	\$0.00	6.886%		\$0.00	0.000%	\$0.00	\$23.36	\$23.36	\$50.73
CCCT Dry "J", 2x1	No	0	\$787		6.886%	\$54.88	\$0.00	0.146%	\$0.00	\$23.36	\$23.36	\$78.25
CCCT Dry "J", DF, 2x1	No	0	\$309		6.886%		\$0.00	0.000%	\$0.00	\$23.36	\$23.36	\$44.66
SCCT Aero x3	No	1,500	\$1,551		7.497%		\$0.00	1.262%	\$0.00	\$31.76	\$31.76	\$149.12
Intercooled SCCT Aero x2	No	1,500	\$1,188		7.497%		\$0.00	1.135%	\$0.00	\$29.91	\$29.91	\$120.03
SCCT Frame "F" x1	No	1,500	\$738		7.049%		\$0.00	0.273%	\$0.00	\$33.71	\$33.71	\$86.68
Brownfield SCCT Frame "F" x1 IC Recips x 6	No No	1,500 1,500	\$711 \$1,938	\$13.84 \$12.14	7.049% 7.049%		\$0.00 \$0.00	0.273% 0.136%	\$0.00 \$0.00	\$33.71 \$28.47	\$33.71 \$28.47	\$84.82 \$165.92
CCCT Dry "H", 1x1	No	1,500	\$1,484		6.886%		\$0.00	0.136%	\$0.00	\$23.37	\$23.37	\$103.92 \$126.49
CCCT Dry "H", DF, 1x1	No	1,500	\$470		6.886%		\$0.00	0.000%	\$0.00	\$23.37	\$23.37	\$55.71
CCCT Dry "H", 2x1	No	1,500	\$1,077		6.886%		\$0.00	0.146%	\$0.00	\$23.41	\$23.41	\$98.56
CCCT Dry "H", DF, 2x1	No	1,500	\$357	\$0.00	6.886%	\$24.60	\$0.00	0.000%	\$0.00	\$23.41	\$23.41	\$48.01
Brownfield CCCT Dry "H", DF, 2x1	No	1,500	\$1,077	\$14.11	6.886%	\$75.11	\$0.00	0.000%	\$0.00	\$23.17	\$23.17	\$98.29
CCCT Dry "J", 1x1	No	1,500	\$1,125	\$14.02	6.886%		\$0.00	0.000%	\$0.00	\$23.17	\$23.17	\$101.61
CCCT Dry "J", DF, 1x1	No	1,500 1,500	\$397	\$0.00 \$14.10	6.886% 6.886%		\$0.00	0.000%	\$0.00 \$0.00	\$23.17	\$23.17	\$50.54
CCCT Dry "J", 2x1 CCCT Dry "J", DF, 2x1	No No	1,500	\$832 \$309		6.886%		\$0.00 \$0.00	0.146% 0.000%	\$0.00	\$23.17 \$23.17	\$23.17 \$23.17	\$81.41 \$44.47
SCCT Aero x3	No	3,000	\$1,645		7.497%		\$0.00	1.262%	\$0.00	\$16.94	\$16.94	\$141.12
Intercooled SCCT Aero x2	No	3,000	\$1,260		7.497%		\$0.00	1.135%	\$0.00	\$15.94	\$15.94	\$111.26
SCCT Frame "F" x1	No	3,000	\$779		7.049%		\$0.00	0.273%	\$0.00	\$17.98	\$17.98	\$73.70
Brownfield SCCT Frame "F" x1	No	3,000	\$751		7.049%		\$0.00	0.273%	\$0.00	\$17.98	\$17.98	\$71.73
IC Recips x 6	No	3,000	\$1,938		7.049%		\$0.00	0.136%	\$0.00	\$15.18	\$15.18	\$152.62
CCCT Dry "H", 1x1	No	3,000	\$1,569		6.886%		\$0.00	0.146%	\$0.00	\$23.28	\$23.28	\$132.08
CCCT Dry "H", DF, 1x1 CCCT Dry "H", 2x1	No No	3,000 3,000	\$470 \$1,144		6.886% 6.886%		\$0.00 \$0.00	0.000% 0.146%	\$0.00 \$0.00	\$23.28 \$12.43	\$23.28 \$12.43	\$55.62 \$91.98
CCCT Dry "H", DF, 2x1	No No	3,000	\$357		6.886%	\$24.60	\$0.00	0.000%	\$0.00	\$12.43 \$12.43	\$12.43 \$12.43	\$37.03
Brownfield CCCT Dry "H", DF, 2x1	No	3,000	\$1,144		6.886%	\$79.51	\$0.00	0.000%	\$0.00	\$12.27	\$12.27	\$91.78
CCCT Dry "J", 1x1	No	3,000	\$1,189	\$11.12	6.886%		\$0.00	0.000%	\$0.00	\$12.27	\$12.27	\$94.92
CCCT Dry "J", DF, 1x1	No	3,000	\$397	\$0.00	6.886%		\$0.00	0.000%	\$0.00	\$12.27	\$12.27	\$39.64
CCCT Dry "J", 2x1	No	3,000	\$879		6.886%		\$0.00	0.146%	\$0.00	\$12.28	\$12.28	\$73.57
CCCT Dry "J", DF, 2x1	No	3,000	\$309		6.886%		\$0.00	0.000%	\$0.00	\$12.28	\$12.28	\$33.58
SCCT Aero x3 Intercooled SCCT Aero x2	No Yes	5,050 5,050	\$1,777 \$1,363	\$12.14 \$12.14	7.497% 7.497%		\$0.00 \$0.00	1.262% 1.135%	\$0.00 \$0.00	\$14.06 \$13.22	\$14.06 \$13.22	\$148.23 \$116.32
SCCT Frame "F" x1	Yes	5,050	\$841	\$12.14 \$12.14	7.049%		\$0.00	0.273%	\$0.00	\$13.22 \$14.93	\$13.22 \$14.93	\$75.07
Brownfield SCCT Frame "F" x1	Yes	5,050	\$811	\$12.14	7.049%		\$0.00	0.273%	\$0.00	\$14.93	\$14.93	\$72.94
IC Recips x 6	Yes	5,050	\$1,938	\$12.14	7.049%	\$137.45	\$0.00	0.136%	\$0.00	\$12.61	\$12.61	\$150.06
CCCT Dry "H", 1x1	Yes	5,050	\$1,687		6.886%		\$0.00	0.146%	\$0.00	\$9.91	\$9.91	\$126.89
CCCT Dry "H", DF, 1x1	Yes	5,050	\$470		6.886%		\$0.00	0.000%	\$0.00	\$9.91	\$9.91	\$42.26
CCCT Dry "H", 2x1	No	5,050	\$1,252		6.886% 6.886%		\$0.00	0.146%	\$0.00	\$9.93	\$9.93	\$96.97
CCCT Dry "H", DF, 2x1 Brownfield CCCT Dry "H", DF, 2x1	No Yes	5,050 5,050	\$358 \$1,251	\$0.00 \$12.14	6.886%		\$0.00 \$0.00	0.000% 0.000%	\$0.00 \$0.00	\$9.93 \$9.84	\$9.93 \$9.84	\$34.56 \$96.84
CCCT Dry "J", 1x1	Yes	5,050	\$1,299	\$12.14 \$12.14	6.886%		\$0.00	0.000%	\$0.00	\$9.84	\$9.84	\$100.13
CCCT Dry "J", DF, 1x1	Yes	5,050	\$397	\$0.00	6.886%		\$0.00	0.000%	\$0.00	\$9.84	\$9.84	\$37.21
CCCT Dry "J", 2x1	No	5,050	\$966		6.886%		\$0.00	0.146%	\$0.00	\$9.85	\$9.85	\$77.19
CCCT Dry "J", DF, 2x1	No	5,050	\$309		6.886%	\$21.29	\$0.00	0.000%	\$0.00	\$9.85	\$9.85	\$31.15
SCCT Aero x3	No	6,500	\$1,957	\$13.37	7.497%		\$0.00	1.262%	\$0.00	\$9.13	\$9.13	\$156.86
Intercooled SCCT Aero x2	Yes	6,500	\$1,427		7.497%		\$0.00	1.135%	\$0.00	\$8.62	\$8.62	\$116.58
SCCT Frame "F" x1 Brownfield SCCT Frame "F" x1	Yes Yes	6,500 6,500	\$886 \$854		7.049% 7.049%	\$63.37 \$61.12	\$0.00 \$0.00	0.273% 0.273%	\$0.00 \$0.00	\$9.70 \$9.70	\$9.70 \$9.70	\$73.06 \$70.82
IC Recips x 6	Yes	6,500	\$1,937		7.049%		\$0.00	0.275%	\$0.00	\$9.70 \$8.24	\$9.70 \$8.24	\$145.66
CCCT Dry "H", 1x1	Yes	6,500	\$1,761		6.886%		\$0.00	0.146%	\$0.00		\$20.66	\$142.77
	1	,	1 21,701	1 2.00	2.22070		40.50		-5.00	-20.00	220.00	//

				Capital Cost \$/k	W					Fixed Cost		
Supply Side Resource Options Mid-Calendar Year 2020 Dollars (\$)									Fixed O&M	I \$/kW-Yr		
		Elevation			Payment	Annual Payment (\$/kW-		Capitalized	O&M			Total Fixed
Resource Description	Modeled IRP	(AFSL)	Total Capital Cost 1/		Factor 1/	Yr)	O&M 1/	Premium	Capitalized 1/	Gas Transportation 1/	Total	(\$/kW-Yr)
CCCT Dry "H", DF, 1x1	Yes	6,500	\$470	\$0.00	6.886%	\$32.35	\$0.00	0.000%	\$0.00	\$20.66	\$20.66	\$53.01
CCCT Dry "H", 2x1	No	6,500	\$1,283	\$12.45	6.886%	\$89.23	\$0.00	0.146%	\$0.00	\$6.71	\$6.71	\$95.94
CCCT Dry "H", DF, 2x1	No	6,500	\$357	\$0.00	6.886%		\$0.00	0.000%	\$0.00	\$6.71	\$6.71	\$31.32
Brownfield CCCT Dry "H", DF, 2x1	Yes	6,500	\$1,283	\$12.45	6.886%	\$89.18	\$0.00	0.000%	\$0.00	\$6.62	\$6.62	\$95.80
CCCT Dry "J", 1x1	Yes	6,500	\$1,337	\$12.50	6.886%		\$0.00	0.000%	\$0.00	\$6.62	\$6.62	\$99.53
CCCT Dry "J", DF, 1x1	Yes	6,500	\$397	\$0.00	6.886%		\$0.00	0.000%	\$0.00	\$6.62	\$6.62	\$33.98
CCCT Dry "J", 2x1	No	6,500	\$988	\$12.43	6.886%		\$0.00	0.146%	\$0.00	\$6.62	\$6.62	\$75.53
CCCT Dry "J", DF, 2x1	No	6,500	\$309	\$0.00	6.886%		\$0.00	0.000%	\$0.00	\$6.62	\$6.62	\$27.92
SCPC with CCS	No	4,500	\$6,488	\$127.00	6.822%		\$72.22	5.541%	\$4.00	\$0.00	\$76.23	\$527.52
IGCC with CCS	No	4,500	\$6,282	\$60.00	7.389%		\$58.20	0.000%	\$0.00	\$0.00	\$58.20	\$526.80
PC CCS retrofit @ 500 MW pre-retrofit basis	Yes	4,500	\$2,971	\$37.00	6.822%		\$28.18	5.541%	\$1.56	\$0.00	\$29.74	\$234.92
SCPC with CCS	No	6,500	\$7,348	\$127.00	6.822%	\$509.92	\$67.09	5.541%	\$3.72	\$0.00	\$70.80	\$580.72
IGCC with CCS	No	6,500	\$7,113	\$60.00	7.389%		\$63.40	0.000%	\$0.00	\$0.00	\$63.40	\$593.41
PC CCS retrofit @ 500 MW pre-retrofit basis	Yes	6,500	\$2,971	\$37.00	6.822%		\$28.18	5.541%	\$1.56	\$0.00	\$29.74	\$234.92
Blundell Dual Flash 90% CF	Yes	4,500	\$5,708	\$127.00	6.273%		\$103.85	0.875%	\$0.91	\$0.00	\$104.76	\$470.77
Greenfield Binary 90% CF	Yes	4,500	\$5,973	\$127.00	6.273%	\$382.70	\$103.85	0.000%	\$0.00	\$0.00	\$103.85	\$486.55
Generic Geothermal PPA 90% CF	Yes	4,500	\$0	\$0.00	6.273%	\$0.00	\$0.00	0.000%	\$0.00	\$0.00	\$0.00	\$0.00
Pocatello, ID, 200 MW Wind, CF: 37.1% (100% PTC)	Yes	4,500	\$1,365	\$12.50	6.979%	\$96.14	\$24.74	0.000%	\$0.00	\$0.00	\$24.74	\$120.88
Arlington, OR, 200 MW Wind, CF: 37.1% (100% PTC)	Yes	1,500	\$1,315	\$12.50	6.979%	\$92.67	\$24,74	0.000%	\$0.00	\$0.00	\$24.74	\$117.41
Monticello, UT, 200 MW Wind, CF: 29.5% (100% PTC)	Yes	4,500	\$1,306	\$12.50	6.979%		\$24.74	0.000%	\$0.00	\$0.00	\$24.74	\$116.79
Medicine Bow, WY, 200 MW Wind, CF: 43.6% (100%PTC)	Yes	6,500	\$1,356	\$12.50	6.979%	\$95.54	\$24,74	0.000%	\$0.00	\$0.00	\$24.74	\$120.28
Goldendale, WA, 200 MW Wind, CF: 37.1% (100% PTC)	Yes	1,500	\$1,390	\$12.50	6.979%		\$24,74	0.000%	\$0.00	\$0.00	\$24.74	\$122.63
Pocatello, ID, 200 MW Wind, CF; 37.1% (60% PTC)	Yes	4,500	\$1,365	\$12.50	6.979%	\$96.14	\$24,74	0.000%	\$0.00	\$0.00	\$24.74	\$120.88
Arlington, OR, 200 MW Wind, CF: 37.1% (60% PTC)	Yes	1,500	\$1,315	\$12.50	6.979%	\$92.67	\$24.74	0.000%	\$0.00	\$0.00	\$24.74	\$117.41
Monticello, UT, 200 MW Wind, CF: 29.5% (60% PTC)	Yes	4,500	\$1,306	\$12.50	6.979%		\$24.74	0.000%	\$0.00	\$0.00	\$24.74	\$116.79
Medicine Bow, WY, 200 MW Wind, CF: 43.6% (60% PTC)	Yes	6,500	\$1,356	\$12.50	6.979%		\$24.74	0.000%	\$0.00	\$0.00	\$24.74	\$120.28
Goldendale, WA, 200 MW Wnd, CF: 37.1% (60% PTC)	Yes	1,500	\$1,390	\$12.50	6.979%		\$24.74	0.000%	\$0.00	\$0.00	\$24.74	\$122.63
Pocatello, ID, 200 MW Wind, CF: 37.1% + BESS: 50% pwr, 4 hours	Yes	4,500	\$2,152	\$232.50	6.979%	\$166.45	\$37,59	2.902%	\$1.09	\$0.00	\$38.68	\$205.13
Arlington, OR, 200 MW Wind, CF: 37.1% + BESS: 50% pwr, 4 hours	Yes	1,500	\$2,086	\$232.50	6.979%		\$37.59	2.902%	\$1.09	\$0.00	\$38.68	\$200.50
Monticello, UT, 200 MW Wind, CF: 29.5% + BESS: 50% pwr, 4 hours	Yes	4,500	\$2,061	\$232.50	6.979%		\$37.59	2.902%	\$1.09	\$0.00	\$38.68	\$198.74
Medicine Bow, WY, 200 MW Wind, CF: 43.6% + BESS: 50% pwr, 4 hours	Yes	6,500	\$2,136	\$232.50	6.979%		\$37.59	2.902%	\$1.09	\$0.00	\$38.68	\$203.97
Goldendale, WA, 200 MW Wind, CF: 37.1% + BESS: 50% pwr, 4 hours	Yes	1,500	\$2,211	\$232.50	6.979%		\$37.59	2.902%	\$1.09	\$0.00	\$38.68	\$209.20
Idaho Falls, ID, 100 MW Solar, CF: 26.1% (30% ITC)	Yes	4,700	\$1,429	\$35.00	6.839%	\$100.09	\$16.20	1,379%	\$0.22		\$16.42	\$116.52
Idaho Falls, ID, 200 MW Solar, CF: 26.1% (30% ITC)	Yes	4,700	\$1,302	\$35.00	6.839%		\$16.10	1.379%	\$0.22	\$0.00	\$16.32	\$107.77
Lakeview, OR, 100 MW Solar, CF: 27.6% (30% ITC)	Yes	4,800	\$1,444	\$35.00	6.839%		\$16.20	1.379%	\$0.22	\$0.00	\$16.42	\$117.61
Lakeview, OR, 200 MW Solar, CF: 27.6% (30% ITC)	Yes	4,800	\$1,330	\$35.00	6.839%		\$16.10	1.379%	\$0.22	\$0.00	\$16.32	\$109.70
Milford, UT, 100 MW Solar, CF: 30.2% (30% ITC)	Yes	5,000	\$1,422	\$35.00	6.839%		\$17.60	1.379%	\$0.24	\$0.00	\$17.84	\$117.51
Milford, UT, 200 MW Solar, CF: 30.2% (30% ITC)	Yes	5,000	\$1,297	\$35.00	6.839%		\$17.60	1.379%	\$0.24	\$0.00	\$17.84	\$108.95
Rock Springs, WY, 100 MW Solar, CF: 27.9% (30% ITC)	Yes	6,400	\$1,423	\$35.00	6.839%		\$17.60	1.379%	\$0.24	\$0.00	\$17.84	\$117.55
Rock Springs, WY, 200 MW Solar, CF: 27.9% (30% ITC)	Yes	6,400	\$1,297	\$35.00	6.839%		\$17.60	1.379%	\$0.24	\$0.00	\$17.84	\$108.91
Yakima, WA, 100 MW Solar, CF: 24.2% (30% ITC)	Yes	1,000	\$1,486	\$35.00	6.839%		\$17.60	1.379%	\$0.24	\$0.00	\$17.84	\$121.88
Yakima, WA, 200 MW Solar, CF: 24.2% (30% ITC)	Yes	1.000	\$1,357	\$35.00	6.839%		\$17.60	1.379%	\$0.24	\$0.00	\$17.84	\$113.04
Idaho Falls, ID, 100 MW Solar, CF: 26.1% (10% ITC)	Yes	4,700	\$1,429	\$35.00	6.839%	\$100.09	\$16.20	1.379%	\$0.22	\$0.00	\$16.42	\$116.52
Idaho Falls, ID, 200 MW Solar, CF: 26.1% (10% ITC)	Yes	4,700	\$1,302	\$35.00	6.839%		\$16.10	1.379%	\$0.22	\$0.00	\$16.32	\$107.77
Lakeview, OR, 100 MW Solar, CF: 27.6% (10% ITC)	Yes	4,800	\$1,444	\$35.00	6.839%		\$16.20	1.379%	\$0.22	\$0.00	\$16.42	\$117.61
Lakeview, OR, 200 MW Solar, CF: 27.6% (10% ITC)	Yes	4,800	\$1,330	\$35.00	6.839%		\$16.10	1.379%	\$0.22	\$0.00	\$16.32	\$109.70
Milford, UT, 100 MW Solar, CF: 30.2% (10% ITC)	Yes	5,000	\$1,422	\$35.00	6.839%		\$17.60	1.379%	\$0.24	\$0.00	\$17.84	\$117.51
Milford, UT, 200 MW Solar, CF: 30.2% (10% ITC)	Yes	5,000	\$1,422	\$35.00 \$35.00	6.839%		\$17.60	1.379%	\$0.24	\$0.00	\$17.84	\$108.95
Rock Springs, WY, 100 MW Solar, CF: 27.9% (10% ITC)	Yes	6,400	\$1,423	\$35.00 \$35.00	6.839%		\$17.60	1.379%	\$0.24	\$0.00	\$17.84	\$117.55
Rock Springs, WY, 100 MW Solar, CF: 27.9% (10% 11C) Rock Springs, WY, 200 MW Solar, CF: 27.9% (10% 1TC)	Yes	6,400	\$1,423	\$35.00 \$35.00	6.839%		\$17.60 \$17.60	1.379%	\$0.24 \$0.24	\$0.00	\$17.84 \$17.84	\$117.33
1 2 2		1,000		\$35.00 \$35.00	6.839%				\$0.24 \$0.24			
Yakima, WA, 100 MW Solar, CF: 24.2% (10% ITC) Yakima, WA, 200 MW Solar, CF: 24.2% (10% ITC)	Yes Yes	1,000	\$1,486 \$1,357	\$35.00 \$35.00	6.839%		\$17.60 \$17.60	1.379% 1.379%	\$0.24 \$0.24	\$0.00 \$0.00	\$17.84 \$17.84	\$121.88 \$113.04
1 akiiia, W.A., 200 WW 30iai, CF. 24.270 (1070 11C)	1 08	1,000	\$1,337	\$33.00	0.039%	393.20	\$17.00	1.3/9%	\$0.24	30.00	51/.84	3113.04

				Capital Cost \$/k	w					Fixed Cost		
Supply Side Resource Options Mid-Calendar Year 2020 Dollars (S)									Fixed O&M	1 \$/kW-Yr		
		Elevation			Pavment	Annual Payment (\$/kW-		Capitalized	O&M			Total Fixed
Resource Description	Modeled IRP	(AFSL)	Total Capital Cost 1/		Factor 1/	Yr)	O&M 1/	Premium	Capitalized 1/	Gas Transportation 1/	Total	(\$/kW-Yr)
Idaho Falls, ID, 100 MW Solar, CF: 26.1% + BESS: 50% pwr, 4 hours (30% ITC)	Yes	4,700	\$2,351	\$255.00	6.839%	\$178.25	\$30.00	1.379%	\$0.41		\$30.41	\$208.66
Idaho Falls, ID, 200 MW Solar, CF: 26.1% + BESS: 50% pwr, 4 hours (30% ITC)	Yes	4,700	\$2,161	\$255.00	6.839%		\$28.95	1.379%	\$0.40		\$29.35	\$194.60
Lakeview, OR, 100 MW Solar, CF: 27.6% + BESS: 50% pwr, 4 hours (30% ITC)	Yes	4,800	\$2,329	\$255.00	6.839%	\$176.71	\$30.00	1.379%	\$0.41	\$0.00	\$30.41	\$207.12
Lakeview, OR, 200 MW Solar, CF: 27.6% + BESS: 50% pwr, 4 hours (30% ITC)	Yes	4,800	\$2,154	\$255.00	6.839%		\$28.95	1.379%	\$0.40		\$29.35	\$194.09
Milford, UT, 100 MW Solar, CF: 30.2% + BESS: 50% pwr, 4 hours (30% ITC)	Yes	5,000	\$2,283	\$255.00	6.839%	\$173.58	\$31.40	1.379%	\$0.43		\$31.83	\$205.41
Milford, UT, 200 MW Solar, CF: 30.2% + BESS: 50% pwr, 4 hours (30% ITC)	Yes	5,000	\$2,102		6.839%		\$30.45	1.379%	\$0.42		\$30.87	\$192.08
Rock Springs, WY, 100 MW Solar, CF: 27.9% + BESS: 50% pwr, 4 hours (30% ITC)	Yes	6,400	\$2,312		6.839%	\$175.57	\$31.40	1.379%	\$0.43		\$31.83	\$207.40
Rock Springs, WY, 200 MW Solar, CF: 27.9% + BESS: 50% pwr, 4 hours (30% ITC)	Yes	6,400	\$2,128	\$255.00	6.839%	\$163.01	\$30.45	1.379%	\$0.42	\$0.00	\$30.87	\$193.88
Yakima, WA, 100 MW Solar, CF: 24.2% + BESS: 50% pwr, 4 hours (30% ITC)	Yes	1,000	\$2,405	\$255.00	6.839%	\$181.91	\$31.40	1.379%	\$0.43	\$0.00	\$31.83	\$213.74
Yakima, WA, 200 MW Solar, CF: 24.2% + BESS: 50% pwr, 4 hours (30% ITC)	Yes	1,000	\$2,217	\$255.00	6.839%	\$169.05	\$30.45	1.379%	\$0.42	\$0.00	\$30.87	\$199.92
Idaho Falls, ID, 100 MW Solar, CF: 26.1% + BESS: 50% pwr, 4 hours (10% ITC)	Yes	4,700	\$2,351	\$255.00	6.839%	\$178.25	\$30.00	1.379%	\$0.41	\$0.00	\$30.41	\$208.66
Idaho Falls, ID, 200 MW Solar, CF: 26.1% + BESS: 50% pwr, 4 hours (10% ITC)	Yes	4,700	\$2,161	\$255.00	6.839%	\$165.25	\$28.95	1.379%	\$0.40	\$0.00	\$29.35	\$194.60
Lakeview, OR, 100 MW Solar, CF: 27.6% + BESS: 50% pwr, 4 hours (10% ITC)	Yes	4,800	\$2,329	\$255.00	6.839%	\$176.71	\$30.00	1.379%	\$0.41		\$30.41	\$207.12
Lakeview, OR, 200 MW Solar, CF: 27.6% + BESS: 50% pwr, 4 hours (10% ITC)	Yes	4,800	\$2,154	\$255.00	6.839%	\$164.74	\$28.95	1.379%	\$0.40	\$0.00	\$29.35	\$194.09
Milford, UT, 100 MW Solar, CF: 30.2% + BESS: 50% pwr, 4 hours (10% ITC)	Yes	5,000	\$2,283	\$255.00	6.839%		\$31.40	1.379%	\$0.43		\$31.83	\$205.41
Milford, UT, 200 MW Solar, CF: 30.2% + BESS: 50% pwr, 4 hours (10% ITC)	Yes	5,000	\$2,102	\$255.00	6.839%	\$161.21	\$30.45	1.379%	\$0.42	\$0.00	\$30.87	\$192.08
Rock Springs, WY, 100 MW Solar, CF: 27.9% + BESS: 50% pwr, 4 hours (10% ITC)	Yes	6,400	\$2,312	\$255.00	6.839%	\$175.57	\$31.40	1.379%	\$0.43		\$31.83	\$207.40
Rock Springs, WY, 200 MW Solar, CF: 27.9% + BESS: 50% pwr, 4 hours (10% ITC)	Yes	6,400	\$2,128		6.839%	\$163.01	\$30.45	1.379%	\$0.42		\$30.87	\$193.88
Yakima, WA, 100 MW Solar, CF: 24.2% + BESS: 50% pwr, 4 hours (10% ITC)	Yes	1,000	\$2,405	\$255.00	6.839%	\$181.91	\$31.40	1.379%	\$0.43	\$0.00	\$31.83	\$213.74
Yakima, WA, 200 MW Solar, CF: 24.2% + BESS: 50% pwr, 4 hours (10% ITC)	Yes	1,000	\$2,217	\$255.00	6.839%	\$169.05	\$30.45	1.379%	\$0.42	\$0.00	\$30.87	\$199.92
Idah Falls, ID, 200 MW Solar, CF: 26.1% + BESS: 50% pwr, 4 hours + 200 MW Wind	No	4,700	\$3,395		6.839%	\$250.50	\$82.95	1.379%	\$1.14		\$84.09	\$334.59
Lakeview, OR, 200 MW Solar, CF: 27.6% + BESS: 50% pwr, 4 hours + 200 MW Wind	No	4,800	\$3,424	\$267.50	6.839%	\$252.44	\$82.95	1.379%	\$1.14	\$0.00	\$84.09	\$336.53
Milford, UT, 200 MW Solar, CF: 30.2% + BESS: 50% pwr, 4 hours + 200 MW Wind	No	5,000	\$3,364	\$267.50	6.839%	\$248.37	\$81.45	1.379%	\$1.12		\$82.57	\$330.95
Rock Springs, WY, 200 MW Solar, CF: 27.9% + BESS: 50% pwr, 4 hours + 200 MW Wind	No	6,400	\$3,364	\$267.50	6.839%	\$248.33	\$81.45	1.379%	\$1.12		\$82.57	\$330.90
Yakima, WA, 200 MW Solar, CF: 24.2% + BESS: 50% pwr, 4 hours + 200 MW Wind	No	1,000	\$3,424	\$267.50	6.839%		\$81.45	1.379%	\$1.12		\$82.57	\$335.04
Pumped Hydro, Swan Lake. 3600 MWh	Yes	N/A	\$3,095	\$2,600.00	6.251%		\$12.50	0.000%	\$0.00		\$12.50	\$368.50
Pumped Hydro, Goldendale, 14400 MWh	Yes	N/A	\$2,833	\$2,600.00	6.251%		\$12.50	0.000%	\$0.00		\$12.50	\$352.15
Pumped Hydro, Seminoe, 7500 MWh	Yes	N/A	\$3,461	\$2,600.00	6.111%		\$16.00	0.000%	\$0.00		\$16.00	\$386.37
Pumped Hydro, Badger Mountain, 4000 MWh	Yes	N/A	\$2,621	\$2,600.00	6.111%		\$28.00	0.000%	\$0.00		\$28.00	\$347.02
Pumped Hydro, Owyhee, 4800 MWh	Yes	N/A	\$3,203	\$2,600.00	6.111%		\$20.00	0.000%	\$0.00		\$20.00	\$374.57
Pumped Hydro, Flat Canyon, 1800 MWh	Yes	N/A	\$4,046	\$2,600.00	6.111%		\$53.33	0.000%	\$0.00		\$53.33	\$459.46
Pumped Hydro, Utah PS2, 4000 MWh	Yes	N/A	\$3,237	\$2,600.00	6.111%		\$28.00	0.000%	\$0.00		\$28.00	\$384.68
Pumped Hydro, Utah PS3, 4800 MWh	Yes	N/A	\$3,371	\$2,600.00	6.111%		\$20.00	0.000%	\$0.00		\$20.00	\$384.87
Pumped Hydro, Banner Mountain, 3400 MWh	Yes	N/A	\$3,276	\$2,600.00	6.479%		\$28.50	0.000%	\$0.00		\$28.50	\$409.16
Adiabatic CAES, Hydrostor, 150 MW, 600 MWh	No	N/A	\$1,954		7.497%		\$12.67	0.000%	\$0.00		\$12.67	\$160.06
Adiabatic CAES, Hydrostor, 150 MW, 1200 MWh	No	N/A	\$2,189		7.497%		\$12.67	0.000%	\$0.00		\$12.67	\$177.67
Adiabatic CAES, Hydrostor, 150 MW, 1800 MWh	No	N/A	\$2,445	\$12.14	7.497%		\$12.67	0.000%	\$0.00		\$12.67	\$196.89
Adiabatic CAES, Hydrostor, 300 MW, 1200 MWh	No	N/A	\$1,557	\$12.14	7.497%		\$9.33	0.000%	\$0.00		\$9.33	\$126.98
Adiabatic CAES, Hydrostor, 300 MW, 2400 MWh	No	N/A	\$1,692	\$12.14	7.497%		\$9.33	0.000%	\$0.00		\$9.33	\$137.12
Adiabatic CAES, Hydrostor, 300 MW, 3600 MWh	No	N/A	\$2,016	\$12.14	7.497%		\$9.33	0.000%	\$0.00		\$9.33	\$161.38
Adiabatic CAES, Hydrostor, 500 MW, 2000 MWh	Yes	N/A	\$1,549	\$12.14	7.497%		\$6.60	0.000%	\$0.00		\$6.60	\$123.66
Adiabatic CAES, Hydrostor, 500 MW, 4000 MWh	Yes	N/A	\$1,762		7.497%		\$6.60	0.000%	\$0.00		\$6.60	\$139.59
Adiabatic CAES, Hydrostor, 500 MW, 6000 MWh	Yes	N/A	\$1,930	\$12.14	7.497%		\$6.60	0.000%	\$0.00		\$6.60	\$152.24
Li-Ion Battery, , 1 MW, 0.5 MWh	No	N/A	\$1,948		8.676%		\$40.00	0.000%	\$0.00		\$40.00	\$213.74
Li-Ion Battery, , 1 MW, 1 MWh	No No	N/A N/A	\$2,058	\$110.00 \$440.00	8.676% 8.676%		\$50.00 \$70.00	0.000% 0.000%	\$0.00 \$0.00		\$50.00 \$70.00	\$238.13 \$382.93
Li-Ion Battery, , 1 MW, 4 MWh			\$3,167 \$4,608	\$440.00 \$880.00	8.676% 8.676%		\$70.00 \$100.00	0.000%	\$0.00 \$0.00		\$70.00 \$100.00	\$382.93 \$576.12
Li-Ion Battery, , 1 MW, 8 MWh	No	N/A										
Li-Ion Battery, , 50 MW, 200 MWh	Yes No	N/A N/A	\$1,828 \$4,719	\$440.00 \$12.14	8.676% 8.676%		\$27.60 \$13.00	0.000% 0.000%	\$0.00 \$0.00		\$27.60 \$13.00	\$224.34 \$423.44
Flow Battery, , 1 MW, 1 MWh	No No	N/A N/A	\$4,/19	\$12.14 \$12.14	8.676%		\$13.00 \$13.00	0.000%	\$0.00		\$13.00 \$13.00	\$423.44 \$452.29
Flow Battery, 1 MW, 4 MWh	No No	N/A N/A	\$5,051 \$7,268		8.676% 8.676%		\$13.00 \$27.00	0.000%	\$0.00 \$0.00		\$13.00 \$27.00	\$452.29 \$658.63
Flow Battery, , 1 MW, 8 MWh Flow Battery, , 20 MW, 160 MWh	No Yes	N/A N/A	\$7,268 \$4,686		8.676%		\$27.00 \$30.50	0.000%	\$0.00 \$0.00		\$27.00 \$30.50	\$658.63 \$438.14
	Yes Yes	5,000	\$4,686 \$6,257		6.733%		\$30.50 \$180.53	0.000% 5.687%	\$0.00 \$10.27	90100	\$30.50 \$190.80	\$438.14 \$660.69
Small Modular Reactor	r es	5,000	\$6,257	\$/21.53	6./33%	\$469.89	\$180.53	5.68/%	\$10.27	\$0.00	\$190.80	\$660.69

				Capital Cost \$/k	w					Fixed Cost		
Supply Side Resource Options Mid-Calendar Year 2020 Dollars (S)									Fixed O&M	I \$/kW-Yr		
Resource Description	Modeled IRP	Elevation (AFSL)	Total Capital and Environmental Cost	Demolition Cost		Annual Payment (\$/kW- Yr)	O&M 1/	Capitalized Premium	O&M Capitalized 1/	Gas Transportation 1/	Total	Total Fixed (\$/kW-Yr)
Brownfield Site	Windered Titl	, ,					Oct.ii Ii					(4,
Utah (Hunter, Huntington)												
Brownfield SCCT Frame "F" x1	Yes	5,050	\$811	\$12.14	7.049%	\$58.00	0.00	0.273%	\$0.00	\$14.93	\$14.93	\$72.94
Intercooled SCCT Aero x2	Yes	5,050	\$1,363	\$12.14	7.497%	\$103.10	0.00	1.135%	\$0.00	\$13.22	\$13.22	\$116.32
Brownfield CCCT Dry "H", DF, 2x1	Yes	5,050	\$1,251	\$12.14	6.886%	\$87.00	0.00	0.000%	\$0.00	\$9.84	\$9.84	\$96.84
CCCT Dry "J", 1x1	Yes	5,050	\$1,299	\$12.14	6.886%	\$90.28	0.00	0.000%	\$0.00	\$9.84	\$9.84	\$100.13
Milford, UT, 200 MW Solar, CF: 30.2% (10% ITC)	Yes	5,000	\$1,297	\$35.00	6.839%	\$91.11	17.60	1.379%	\$0.24	\$0.00	\$17.84	\$108.95
Milford, UT, 200 MW Solar, CF: 30.2% + BESS: 50% pwr, 4 hours (30% ITC)	Yes	5,000	\$2,102	\$255.00	6.839%	\$161.21	30.45	1.379%	\$0.42	\$0.00	\$30.87	\$192.08
Wyoming (Bridger, Johnston, Wyodak)			•				0)				
Brownfield SCCT Frame "F" x1	Yes	6,500	\$854	\$12.80	7.049%	\$61.12	0.00	0.273%	\$0.00	\$9.70	\$9.70	\$70.82
Intercooled SCCT Aero x2	Yes	6,500	\$1,427	\$12.72	7.497%	\$107.96	0.00	1.135%	\$0.00	\$8.62	\$8.62	\$116.58
Brownfield CCCT Dry "H", DF, 2x1	Yes	6,500	\$1,283	\$12.45	6.886%	\$89.18	0.00	0.000%	\$0.00	\$6.62	\$6.62	\$95.80
CCCT Dry "J", 1x1	Yes	6,500	\$1,337	\$12.50	6.886%	\$92.91	0.00	0.000%	\$0.00	\$6.62	\$6.62	\$99.53
Medicine Bow, WY, 200 MW Wind, CF: 43.6% (60% PTC)	Yes	6,500	\$1,356	\$12.50	6.979%	\$95.54	24.74	0.000%	\$0.00	\$0.00	\$24.74	\$120.28
Medicine Bow, WY, 200 MW Wind, CF: 43.6% + BESS: 50% pwr, 4 hours	Yes	6,500	\$2,136		6.979%	\$165.29	37.59	2.902%	\$1.09	\$0.00	\$38.68	\$203.97
Rock Springs, WY, 200 MW Solar, CF: 27.9% (10% ITC)	Yes	6,400	\$1,297	\$35.00	6.839%	\$91.07	17.60	1.379%	\$0.24	\$0.00	\$17.84	\$108.91
Rock Springs, WY, 200 MW Solar, CF: 27.9% + BESS: 50% pwr, 4 hours (30% ITC)	Yes	6,400	\$2,128		6.839%	\$163.01	30.45	1.379%	\$0.42		\$30.87	\$193.88
Naughton 1 PC CCUS Retrofit	Yes	6,500	\$3,939		8.920%	\$354.70	39.99	5.541%	\$2.22		\$42.21	\$396.91
Naughton 2 PC CCUS Retrofit	Yes	6,500	\$3,930	\$37.00	8.920%	\$353.83	39.90	5.541%	\$2.21	\$0.00	\$42.11	\$395.94
Johnston 2 PC CCUS Retrofit	Yes	6,500	\$5,314	\$37.00	8.920%	\$477.27	40.58	5.541%	\$2.25	\$0.00	\$42.83	\$520.10
Johnston 4 PC CCUS Retrofit	Yes	6,500	\$3,877	\$37.00	8.920%	\$349.16	37.88	5.541%	\$2.10		\$39.97	\$389.13
Wyodak PC CCUS Retrofit	Yes	6,500	\$3,935	\$37.00	9.010%	\$357.86	39.95	5.541%	\$2.21	\$0.00	\$42.16	\$400.02
Bridger 1 PC CCUS Retrofit	Yes	6,500	\$3,934	\$37.00	8.920%	\$354.24	39.94	5.541%	\$2.21	\$0.00	\$42.15	\$396.39
Bridger 3 PC CCUS Retrofit	Yes	6,500	\$3,873	\$37.00	9.010%	\$352.29	37.83	5.541%	\$2.10	\$0.00	\$39.93	\$392.22
Bridger 4 PC CCUS Retrofit	Yes	6,500	\$3,876	\$37.00	9.010%	\$352.56	37.86	5.541%	\$2.10	\$0.00	\$39.96	\$392.52

Information Presented is Illustrative

I / Input into IRP PLEXOS Model

2/ Wind and solar shapes are input into IRP PLEXOS Model
Information Presented is Illustrative

CCUS costs are incremental and include environmental upgrade costs but are missing underlying coal unit costs

			Convert to \$/MW	/h								T	1
Supply Side Resource Options Mid-Calendar Year 2020 Dollars (S)								Leveliz	ed Fuel			Credits	
Resource Description	Elevation (AFSL)		al Fixed(\$/MW	Storage Efficiency	S/mmBtu	\$/MWh	O&M 1/	Capitalized Premium		Integration Cost 1/	Total Resource Cost	PTC Tax Credits / ITC (Solar Only) / 45Q Tax Credits (CCUS Only)	Credits
SCCT Aero x3	0	33%	\$49.25	N/A	\$ 2.97	\$ 27.77	\$ 7.44	11.48%	\$ 0.85		\$85.32	\$ -	\$85.32
Intercooled SCCT Aero x2	0	33%	\$39.84	N/A	\$ 2.97	\$ 26.13	\$ 5.03	11.48%	\$ 0.58	S -	\$71.58	\$ -	\$71.58
SCCT Frame "F" x1	0	33%	\$28.97	N/A	\$ 2.97		\$ 14.16	13.23%		S -	\$74.44	\$ -	\$74.44
Brownfield SCCT Frame "F" x1	0	33%	\$28.36	N/A	\$ 2.97	\$ 29.44	\$ 14.16	13.23%	\$ 1.87	S -	\$73.83	\$ -	\$73.83
IC Recips x 6	0	33%	\$57.40	N/A	\$ 2.97	\$ 24.61	\$ 10.39	8.73%	\$ 0.91	S -	\$93.30	\$ -	\$93.30
CCCT Dry "H", 1x1	0	78%	\$17.62	N/A	\$ 2.97	\$ 18.84	\$ 1.77	10.21%	\$ 0.18	S -	\$38.41	\$ -	\$38.41
CCCT Dry "H", DF, 1x1	0	12%	\$53.19	N/A	\$ 2.97		\$ 0.05	0.00%	\$ -	S -	\$79.49	\$ -	\$79.49
CCCT Dry "H", 2x1	0	78%	\$13.83	N/A	\$ 2.97	\$ 18.89	\$ 1.71	10.79%	\$ 0.18	S -	\$34.61	\$ -	\$34.61
CCCT Dry "H", DF, 2x1	0	12%	\$45.87	N/A	\$ 2.97		\$ 0.05	0.00%	\$ -	\$ -	\$71.65	\$ -	\$71.65
Brownfield CCCT Dry "H", DF, 2x1	0	78%	\$13.78	N/A	\$ 2.97	\$ 19.63	\$ 1.08	10.21%	\$ 0.11	S -	\$34.61	\$ -	\$34.61
CCCT Dry "J", 1x1	0	78%	\$14.25	N/A	\$ 2.97	\$ 18.60	\$ 1.48	10.21%	\$ 0.15	S -	\$34.49	\$ -	\$34.49
CCCT Dry "J", DF, 1x1	0	12%	\$48.26	N/A	\$ 2.97	\$ 26.05	\$ 0.06	0.00%	\$ -	S -	\$74.36	\$ -	\$74.36
CCCT Dry "J", 2x1	0	78%	\$11.45	N/A	\$ 2.97		\$ 1.43	10.79%	\$ 0.15	S -	\$31.60	\$ -	\$31.60
CCCT Dry "J", DF, 2x1	0	12%	\$42.48	N/A	\$ 2.97	\$ 25.85	\$ 0.06	0.00%	\$ -	S -	\$68.39	\$ -	\$68.39
SCCT Aero x3	1,500	33%	\$51.59	N/A	\$ 2.97	\$ 27.81	\$ 7.89	11.48%	\$ 0.91	S -	\$88.19	\$ -	\$88.19
Intercooled SCCT Aero x2	1,500	33%	\$41.52	N/A	\$ 2.97	\$ 26.14	\$ 5.31	11.48%		S -	\$73.58	\$ -	\$73.58
SCCT Frame "F" x1	1,500	33%	\$29.99	N/A	\$ 2.97	\$ 29.45	\$ 14.94	13.23%	\$ 1.98		\$76.36	\$ -	\$76.36
Brownfield SCCT Frame "F" x1	1,500	33%	\$29.34	N/A	\$ 2.97	\$ 29.45	\$ 14.94	13.23%	\$ 1.98	S -	\$75.71	\$ -	\$75.71
IC Recips x 6	1,500	33%	\$57.40	N/A	\$ 2.97	\$ 24.61	\$ 10.39	8.73%	\$ 0.91	S -	\$93.30	\$ -	\$93.30
CCCT Dry "H", 1x1	1,500	78%	\$18.51	N/A	\$ 2.97	\$ 18.96	\$ 1.88	10.21%	\$ 0.19	S -	\$39.54	\$ -	\$39.54
CCCT Dry "H", DF, 1x1	1,500	12%	\$53.00	N/A	\$ 2.97	\$ 26.10	\$ 0.05	0.00%	\$ -	S -	\$79.15	\$ -	\$79.15
CCCT Dry "H", 2x1	1,500	78%	\$14.42	N/A	\$ 2.97	\$ 18.91	\$ 1.81	10.79%	\$ 0.19	S -	\$35.34	\$ -	\$35.34
CCCT Dry "H", DF, 2x1	1,500	12%	\$45.67	N/A	\$ 2.97	\$ 25.88	\$ 0.05	0.00%	\$ -	\$ -	\$71.60	\$ -	\$71.60
Brownfield CCCT Dry "H", DF, 2x1	1,500	78%	\$14.38	N/A	\$ 2.97	\$ 19.70	\$ 1.14	10.21%	\$ 0.12	S -	\$35.35	\$ -	\$35.35
CCCT Dry "J", 1x1	1,500	78%	\$14.87	N/A	\$ 2.97	\$ 18.60	\$ 1.57	10.21%	\$ 0.16	S -	\$35.20	\$ -	\$35.20
CCCT Dry "J", DF, 1x1	1,500	12%	\$48.08	N/A	\$ 2.97	\$ 26.18	\$ 0.06	0.00%	\$ -	S -	\$74.32	\$ -	\$74.32
CCCT Dry "J", 2x1	1,500	78%	\$11.91	N/A	\$ 2.97	\$ 18.56	\$ 1.51	10.79%	\$ 0.16	\$ -	\$32.15	\$ -	\$32.15
CCCT Dry "J", DF, 2x1	1,500	12%	\$42.30	N/A	\$ 2.97	\$ 25.96	\$ 0.06	0.00%	\$ -	S -	\$68.32	\$ -	\$68.32
SCCT Aero x3	3,000	33%	\$48.82	N/A	\$ 3.21	\$ 30.11	\$ 8.37	11.48%	\$ 0.96	S -	\$88.26	\$ -	\$88.26
Intercooled SCCT Aero x2	3,000	33%	\$38.49	N/A	\$ 3.21	\$ 28.28	\$ 5.63	11.48%	\$ 0.65	S -	\$73.05	\$ -	\$73.05
SCCT Frame "F" x1	3,000	33%	\$25.49	N/A	\$ 3.21	\$ 31.87	\$ 15.79	13.23%	\$ 2.09	s -	\$75.24	\$ -	\$75.24
Brownfield SCCT Frame "F" x1	3,000	33%	\$24.81	N/A	\$ 3.21	\$ 31.87	\$ 15.78	13.23%	\$ 2.09	S -	\$74.55	s -	\$74.55

			Convert to \$/MW	/h		Varia	ble Costs(\$/M\	Wb)					
Supply Side Resource Options Mid-Calendar Year 2020 Dollars (\$)		·	Ouvert to gravity			,	ore costs(sm)	Levelize	ed Fuel			Credits	
	Elevation	Capacity	Total Fixed	Storage				Capitalized				PTC Tax Credits / ITC (Solar Only) / 45Q Tax Credits (CCUS	
Resource Description	(AFSL)	Factor 3/	(\$/MWh)	Efficiency	\$/mmBtu	\$/MWh	O&M 1/	Premium		Integration Cost 1/	Total Resource Cost	Only)	Credits
IC Recips x 6	3,000	33%	\$52.80	N/A	\$ 3.21	\$ 26.60	\$ 10.39	8.73%	\$ 0.91	s -	\$90.69	3	\$90.69
CCCT Dry "H", 1x1	3,000	78%	\$19.33	N/A	\$ 3.21	\$ 20.50	\$ 1.99	10.21% 0.00%	\$ 0.20		\$42.02	-	\$42.02
CCCT Dry "H", DF, 1x1	3,000	12%	\$52.92	N/A	\$ 3.21	\$ 28.30	\$ 0.05		\$ - \$ 0.21	s -	\$81.26	-	\$81.26
CCCT Dry "H", 2x1 CCCT Dry "H", DF, 2x1	3,000 3,000	78% 12%	\$13.46 \$35.23	N/A N/A	\$ 3.21 \$ 3.21	\$ 20.55 \$ 28.11	\$ 1.92 \$ 0.05	10.79% 0.00%		S - S -	\$36.13 \$63.39	-	\$36.13 \$63.39
Brownfield CCCT Dry "H", DF, 2x1	3,000	78%	\$33.23 \$13.43	N/A N/A	\$ 3.21 \$ 3.21	\$ 28.11	\$ 1.21	10.21%	\$ 0.12	S -	\$36.22		\$36.22
CCCT Dry "J", 1x1	3,000	78%	\$13.43	N/A N/A	\$ 3.21 \$ 3.21	\$ 21.43	\$ 1.66	10.21%	\$ 0.12	s -	\$35.22 \$35.84	s -	\$36.22 \$35.84
CCCT Dry "J", DF, 1x1	3,000	12%	\$37.71	N/A	\$ 3.21	\$ 28.37	\$ 0.06	0.00%	\$ 0.17	s -	\$66.14	\$ -	\$66.14
CCCT Dry "J", 2x1	3,000	78%	\$10.77	N/A	\$ 3.21	\$ 20.08	\$ 1.60	10.79%	\$ 0.17	· ·	\$32.62	\$ -	\$32.62
CCCT Dry "J", DF, 2x1	3,000	12%	\$31.94	N/A N/A	\$ 3.21	\$ 28.13	\$ 0.06	0.00%	\$ -	s -	\$60.13	s -	\$60.13
SCCT Aero x3	5,050	33%	\$51.28	N/A	\$ 3.13	\$ 29.42	\$ 9.04	11.48%	\$ 1.04		\$90.78	s -	\$90.78
Intercooled SCCT Aero x2	5,050	33%	\$40.24	N/A	\$ 3.13	\$ 27.59	\$ 6.09	11.48%	\$ 0.70		\$74.62	s -	\$74.62
SCCT Frame "F" x1	5,050	33%	\$25.97	N/A	\$ 3.13	\$ 31.10	\$ 17.04	13.23%	\$ 2.25		\$76.36	s -	\$76.36
Brownfield SCCT Frame "F" x1	5,050	33%	\$25.23	N/A	\$ 3.13	\$ 31.10	\$ 17.03	13.23%	\$ 2.25		\$75.62	\$ -	\$75.62
IC Recips x 6	5,050	33%	\$51.91	N/A	\$ 3.13	\$ 25.95	\$ 10.39	8.73%	\$ 0.91	s -	\$89.16	s -	\$89.16
CCCT Dry "H", 1x1	5,050	78%	\$18.57	N/A	\$ 3.13	\$ 19.91	\$ 2.14	10.21%	\$ 0.22	s -	\$40.84	\$ -	\$40.84
CCCT Dry "H", DF, 1x1	5,050	12%	\$40.21	N/A	\$ 3.13	\$ 26.75	\$ 0.05	0.00%	\$ -	s -	\$67.00	\$ -	\$67.00
CCCT Dry "H", 2x1	5,050	78%	\$14.19	N/A	\$ 3.13	\$ 20.31	\$ 2.10	10.79%	\$ 0.23	s -	\$36.82	\$ -	\$36.82
CCCT Dry "H", DF, 2x1	5,050	12%	\$32.88	N/A	\$ 3.13	\$ 29.64	\$ 0.05	0.00%	\$ -	s -	\$62.57	\$ -	\$62.57
Brownfield CCCT Dry "H", DF, 2x1	5,050	78%	\$14.17	N/A	\$ 3.13	\$ 21.51	\$ 1.33	10.21%	\$ 0.14	s -	\$37.15	\$ -	\$37.15
CCCT Dry "J", 1x1	5,050	78%	\$14.65	N/A	\$ 3.13	\$ 19.88	\$ 1.81	10.21%	\$ 0.18	s -	\$36.53	\$ -	\$36.53
CCCT Dry "J", DF, 1x1	5,050	12%	\$35.39	N/A	\$ 3.13	\$ 29.58	\$ 0.06	0.00%	\$ -	s -	\$65.03	\$ -	\$65.03
CCCT Dry "J", 2x1	5,050	78%	\$11.30	N/A	\$ 3.13	\$ 19.95	\$ 1.76	10.79%	\$ 0.19	s -	\$33.19	\$ -	\$33.19
CCCT Dry "J", DF, 2x1	5,050	12%	\$29.63	N/A	\$ 3.13	\$ 29.60	\$ 0.06	0.00%	\$ -	s -	\$59.28	\$ -	\$59.28
SCCT Aero x3	6,500	33%	\$54.26	N/A	\$ 3.09		\$ 9.96	11.48%	\$ 1.14	S -	\$94.14	\$ -	\$94.14
Intercooled SCCT Aero x2	6,500	33%	\$40.33	N/A	\$ 3.09		\$ 6.37	11.48%	\$ 0.73	1 '	\$74.58	\$ -	\$74.58
SCCT Frame "F" x1	6,500	33%	\$25.27	N/A	\$ 3.09	\$ 30.68	\$ 17.95	13.23%	\$ 2.38	s -	\$76.29	\$ -	\$76.29
Brownfield SCCT Frame "F" x1	6,500	33%	\$24.50	N/A	\$ 3.09	\$ 30.68	\$ 17.95	13.23%	\$ 2.38	1 '	\$75.51	\$ -	\$75.51
IC Recips x 6	6,500	33%	\$50.39	N/A	\$ 3.09	\$ 25.75	\$ 10.39	8.73%	\$ 0.91	s -	\$87.43	\$ -	\$87.43
CCCT Dry "H", 1x1	6,500	78%	\$20.89	N/A	\$ 3.09	4 27174	\$ 2.23	10.21%	\$ 0.23	S -	\$43.10	\$ -	\$43.10
CCCT Dry "H", DF, 1x1	6,500	12%	\$50.43	N/A	\$ 3.09	\$ 27.37	\$ 0.05	0.00%	S -	S -	\$77.85	S -	\$77.85

			Convert to \$/MW	h		Varia	ble Costs(\$/M\	Vh)					
Supply Side Resource Options Mid-Calendar Year 2020 Dollars (\$)								Levelize	ed Fuel		T	Credits	
Resource Description	Elevation (AFSL)	Capacity Factor 3/	Total Fixed (\$/MWh)	Storage Efficiency	S/mmBtu	S/MWh	O&M 1/	Capitalized Premium	O&M Capitalized 1/	Integration Cost 1/	Total Resource Cost	PTC Tax Credits / ITC (Solar Only) / 45Q Tax Credits (CCUS Only)	Total Resource Cost with PTC / ITC / 450 Credits
CCCT Dry "H", 2x1	6,500	78%	\$14.04	N/A	\$ 3.09	\$ 19.77	\$ 2.15	10.79%	\$ 0.23	S S	\$36,20	S -	\$36.20
CCCT Dry "H", DF, 2x1	6,500	12%	\$29.79	N/A	\$ 3.09	\$ 27.35	\$ 0.05	0.00%	\$ 0.23	s -	\$57.20	s -	\$57.20
	.,			1					4	×		s -	
Brownfield CCCT Dry "H", DF, 2x1	6,500	78%	\$14.02	N/A			\$ 1.36	10.21%		J 4	\$36.30	*	\$36.30
CCCT Dry "J", 1x1	6,500	78%	\$14.57	N/A	\$ 3.09	\$ 19.38	\$ 1.86	10.21%	\$ 0.19	s -	\$36.00	-	\$36.00
CCCT Dry "J", DF, 1x1	6,500	12%	\$32.32	N/A	\$ 3.09	\$ 27.39	\$ 0.06	0.00%	\$ -	s -	\$59.77	-	\$59.77
CCCT Dry "J", 2x1	6,500	78%	\$11.05	N/A	\$ 3.09	\$ 19.34	\$ 1.80	10.79%	\$ 0.19	1 '	\$32.38	\$ -	\$32.38
CCCT Dry "J", DF, 2x1	6,500	12%	\$26.56	N/A	\$ 3.09	\$ 27.16	\$ 0.06	0.00%	\$ -	S -	\$53.78	\$ -	\$53.78
SCPC with CCS	4,500	90%	\$66.91	N/A	\$ 1.96	\$ 25.65	\$ 7.00	0.00%	\$ -	s -	\$99.56	\$ -	\$99.56
IGCC with CCS	4,500	86%	\$69.93	N/A	\$ 1.96	\$ 21.21	\$ 11.77	11.52%	\$ 1.36		\$104.27	\$ -	\$104.27
PC CCS retrofit @ 500 MW pre-retrofit basis	4,500	90%	\$29.80	N/A	\$ 1.96	\$ 28.17	\$ 3.29	0.00%	\$ -	s -	\$61.26	\$ -	\$61.26
SCPC with CCS	6,500	90%	\$73.66	N/A	\$ 1.96	\$ 25.95	\$ 7.58	0.00%	\$ -	s -	\$107.19	\$ -	\$107.19
IGCC with CCS	6,500	86%	\$78.77	N/A	\$ 1.96	\$ 21.65	\$ 14.11	11.52%	\$ 1.63	s -	\$116.15	\$ -	\$116.15
PC CCS retrofit @ 500 MW pre-retrofit basis	6,500	90%	\$29.80	N/A	\$ 1.96	\$ 28.17	\$ 3.29	0.00%	\$ -	s -	\$61.26	\$ -	\$61.26
Blundell Dual Flash 90% CF	4,500	90%	\$59.71	N/A	\$ -	s -	\$ 1.16	0.00%	\$ -	s -	\$60.87	\$ (16.12)	\$44.75
Greenfield Binary 90% CF	4,500	90%	\$61.71	N/A	\$ -	\$ -	\$ 1.16	0.00%	\$ -	\$ -	\$62.88	\$ (16.12)	\$46.75
Generic Geothermal PPA 90% CF	4,500	90%	\$0.00	N/A	s -	S -	\$ 77.34	0.00%	s -	s -	\$77.34	\$ (16.12)	\$61.22
Pocatello, ID, 200 MW Wind, CF: 37.1% (100% PTC)	4,500	37%	\$37.19	N/A	S -	S -	S -	0.00%	\$ -	\$ 0.93	\$38.12	\$ (16.12)	\$22.00
Arlington, OR, 200 MW Wind, CF: 37.1% (100% PTC)	1,500	37%	\$36.13	N/A	s -	s -	s -	0.00%	s -	\$ 0.93	\$37.05	\$ (16.12)	\$20.93
Monticello, UT, 200 MW Wind, CF; 29.5% (100% PTC)	4,500	30%	\$45.20	N/A	s -	s -	š -	0.00%	s -	\$ 0.93	\$46.13	\$ (16.12)	\$30.00
Medicine Bow, WY, 200 MW Wind, CF: 43.6% (100%PTC)	6,500	44%	\$31.49	N/A	š -	s -	š -	0.00%	s -	\$ 0.93	\$32.42	\$ (16.12)	\$16.30
Goldendale, WA, 200 MW Wind, CF: 37.1% (100% PTC)	1,500	37%	\$37.73	N/A	s -	\$ -	\$ -	0.00%	\$ _	\$ 0.93	\$38.66	\$ (16.12)	\$22.54
Pocatello, ID, 200 MW Wind, CF: 37.1% (60% PTC)	4,500	37%	\$37.19	N/A	\$ -	\$ -	\$ -	0.00%	s -	\$ 0.93	\$38.12	\$ (9.67)	\$28.45
Arlington, OR, 200 MW Wind, CF: 37.1% (60% PTC)	1,500	37%	\$36.13	N/A	s -	s -	s -	0.00%	s -	\$ 0.93	\$37.05	\$ (9.67)	\$27.38
Monticello, UT, 200 MW Wind, CF: 37.176 (60% PTC)	4,500	30%	\$45.20	N/A	s -	s -	s -	0.00%	\$ -	\$ 0.93	\$46.13	\$ (9.67)	\$36.45
Medicine Bow, WY, 200 MW Wind, CF: 43.6% (60% PTC)	6,500	44%	\$31.49	N/A	s -	s -	s -	0.00%	s -	\$ 0.93	\$32.42	\$ (9.67)	\$22.75
Goldendale, WA, 200 MW Wnd, CF: 37.1% (60% PTC)	1,500	37%	\$37.73	N/A N/A	s -	s -		0.00%	s -	\$ 0.93	\$32.42	\$ (9.67)	\$28.99
Pocatello, ID, 200 MW Wind, CF: 37.1% + BESS: 50% pwr, 4 hours	4,500	37%	\$63.12	85%	5 -	s -	s -	0.00%	-	\$ 0.93	\$64.05	\$ (9.07)	\$47.92
	,, ,,				3 -	-	3 -		1 "			* ()	
Arlington, OR, 200 MW Wind, CF: 37.1% + BESS: 50% pwr, 4 hours	1,500	37%	\$61.69	85%	\$ -	\$ -	s -	0.00%	\$ -	\$ 0.93	\$62.62	\$ (16.12)	\$46.50
Monticello, UT, 200 MW Wind, CF: 29.5% + BESS: 50% pwr, 4 hours	4,500	30%	\$76.90	85%	\$ -	\$ -	s -	0.00%	\$ -	\$ 0.93	\$77.83	\$ (16.12)	
Medicine Bow, WY, 200 MW Wind, CF: 43.6% + BESS: 50% pwr, 4 hours	6,500	44%	\$53.40	85%	\$ -	\$ -	s -	0.00%	\$ -	\$ 0.93	\$54.33	\$ (16.12)	
Goldendale, WA, 200 MW Wind, CF: 37.1% + BESS: 50% pwr, 4 hours	1,500	37%	\$64.37	85%	\$ -	\$ -	S -	0.00%	\$ -	\$ 0.93	\$65.30	\$ (16.12)	\$49.18
Idaho Falls, ID, 100 MW Solar, CF: 26.1% (30% ITC)	4,700	26%	\$50.96	N/A	\$ -	\$ -	s -	0.00%	\$ -	\$ 0.70	\$51.67	\$ (10.96)	\$40.70
Idaho Falls, ID, 200 MW Solar, CF: 26.1% (30% ITC)	4,700	26%	\$47.13	N/A	\$ -	\$ -	s -	0.00%	\$ -	\$ 0.70	\$47.84	\$ (9.99)	\$37.85
Lakeview, OR, 100 MW Solar, CF: 27.6% (30% ITC)	4,800	28%	\$48.64	N/A	\$ -	\$ -	\$ -	0.00%	\$ -	\$ 0.70	\$49.35	\$ (10.48)	\$38.86
Lakeview, OR, 200 MW Solar, CF: 27.6% (30% ITC)	4,800	28%	\$45.37	N/A	\$ -	\$ -	S -	0.00%	\$ -	\$ 0.70	\$46.08	\$ (9.66)	\$36.42
Milford, UT, 100 MW Solar, CF: 30.2% (30% ITC)	5,000	30%	\$44.42	N/A	\$ -	\$ -	\$ -	0.00%	\$ -	\$ 0.70	\$45.12	\$ (9.43)	\$35.69
Milford, UT, 200 MW Solar, CF: 30.2% (30% ITC)	5,000	30%	\$41.18	N/A	\$ -	\$ -	\$ -	0.00%	\$ -	\$ 0.70	\$41.89	\$ (8.60)	\$33.28
Rock Springs, WY, 100 MW Solar, CF: 27.9% (30% ITC)	6,400	28%	\$48.10	N/A	\$ -	\$ -	\$ -	0.00%	\$ -	\$ 0.70	\$48.80	\$ (10.21)	\$38.58
Rock Springs, WY, 200 MW Solar, CF: 27.9% (30% ITC)	6,400	28%	\$44.56	N/A	\$ -	\$ -	S -	0.00%	\$ -	\$ 0.70	\$45.27	\$ (9.31)	\$35.96
Yakima, WA, 100 MW Solar, CF: 24.2% (30% ITC)	1,000	24%	\$57.49	N/A	\$ -	\$ -	S -	0.00%	\$ -	\$ 0.70	\$58.20	\$ (12.30)	\$45.90
Yakima, WA, 200 MW Solar, CF: 24.2% (30% ITC)	1,000	24%	\$53.32	N/A	\$ -	\$ -	s -	0.00%	\$ -	\$ 0.70	\$54.03	\$ (11.23)	\$42.80
Idaho Falls, ID, 100 MW Solar, CF: 26.1% (10% ITC)	4,700	26%	\$50.96	N/A	\$ -	\$ -	\$ -	0.00%	\$ -	\$ 0.70	\$51.67	\$ (0.52)	\$51.15
Idaho Falls, ID, 200 MW Solar, CF: 26.1% (10% ITC)	4,700	26%	\$47.13	N/A	s -	S -	s -	0.00%	\$ -	\$ 0.70	\$47.84	\$ (0.47)	\$47.36
Lakeview, OR, 100 MW Solar, CF: 27.6% (10% ITC)	4,800	28%	\$48.64	N/A	\$ -	s -	s -	0.00%	\$ -	\$ 0.70	\$49.35	\$ (0.50)	\$48.85
Lakeview, OR, 200 MW Solar, CF: 27.6% (10% ITC)	4,800	28%	\$45.37	N/A	s -	s -	š -	0.00%	s -	\$ 0.70	\$46.08	\$ (0.46)	\$45.62
Milford, UT, 100 MW Solar, CF: 30.2% (10% ITC)	5,000	30%	\$44.42	N/A	s -	s -	š -	0.00%	s -	\$ 0.70	\$45.12	\$ (0.45)	\$44.67
Milford, UT, 200 MW Solar, CF: 30.2% (10% ITC)	5,000	30%	\$41.18	N/A	\$ -	s -	s -	0.00%	s -	\$ 0.70	\$41.89	\$ (0.41)	\$41.48
	3,000	3070	J 41.10	1 19/21	1 " 1	-	-	0.0070	1 "	1 9 0.70	941.07	[0.41)	1 971.70

			Convert to \$/MW	/h		Var	able Costs(\$/M	Wh)					
Supply Side Resource Options Mid-Calendar Year 2020 Dollars (\$)								Levelize	d Fuel			Credits	
,,	Elevation	Capacity	Total Fixed	Storage				Capitalized				PTC Tax Credits / ITC (Solar Only) / 45Q Tax Credits (CCUS	Total Resource Cost - with PTC / ITC / 45Q
Resource Description	(AFSL)	Factor 3/	(\$/MWh)	Efficiency	S/mmBtu	\$/MWh	O&M 1/	Premium	O&M Capitalized 1/	U	Total Resource Cost	Only)	Credits
Rock Springs, WY, 100 MW Solar, CF: 27.9% (10% ITC)	6,400	28%	\$48.10	N/A	\$ -	\$ -	\$ -	0.00%	\$ -	\$ 0.70	\$48.80	\$ (0.48)	
Rock Springs, WY, 200 MW Solar, CF: 27.9% (10% ITC)	6,400	28%	\$44.56	N/A	\$ -	\$ -	s -	0.00%	\$ -	\$ 0.70	\$45.27	\$ (0.44)	\$44.82
Yakima, WA, 100 MW Solar, CF: 24.2% (10% ITC)	1,000	24%	\$57.49	N/A	\$ -	\$ -	S -	0.00%	\$ -	\$ 0.70	\$58.20	\$ (0.58)	\$57.61
Yakima, WA, 200 MW Solar, CF: 24.2% (10% ITC)	1,000	24%	\$53.32	N/A	\$ -	\$ -	S -	0.00%	\$ -	\$ 0.70	\$54.03	\$ (0.53)	\$53.50
Idaho Falls, ID, 100 MW Solar, CF: 26.1% + BESS: 50% pwr, 4 hours (30% ITC)	4,700	26%	\$91.26	85%	\$ -	S -	\$ -	0.00%	\$ -	\$ 0.70	\$91.97	\$ (18.04)	\$73.92
Idaho Falls, ID, 200 MW Solar, CF: 26.1% + BESS: 50% pwr, 4 hours (30% ITC)	4,700	26%	\$85.11	85%	\$ -	\$ -	s -	0.00%	\$ -	\$ 0.70	\$85.82	\$ (16.59)	\$69.23
Lakeview, OR, 100 MW Solar, CF: 27.6% + BESS: 50% pwr, 4 hours (30% ITC)	4,800	28%	\$85.67	85%	\$ -	\$ -	\$ -	0.00%	\$ -	\$ 0.70	\$86.37	\$ (16.90)	\$69.47
Lakeview, OR, 200 MW Solar, CF: 27.6% + BESS: 50% pwr, 4 hours (30% ITC)	4,800	28%	\$80.28	85%	\$ -	\$ -	S -	0.00%	\$ -	\$ 0.70	\$80.98	\$ (15.63)	\$65.35
Milford, UT, 100 MW Solar, CF: 30.2% + BESS: 50% pwr, 4 hours (30% ITC)	5,000	30%	\$77.65	85%	\$ -	\$ -	s -	0.00%	\$ -	\$ 0.70	\$78.35	\$ (15.14)	\$63.21
Milford, UT, 200 MW Solar, CF: 30.2% + BESS: 50% pwr, 4 hours (30% ITC)	5,000	30%	\$72.60	85%	\$ -	\$ -	s -	0.00%	\$ -	\$ 0.70	\$73.31	\$ (13.94)	\$59.37
Rock Springs, WY, 100 MW Solar, CF: 27.9% + BESS: 50% pwr, 4 hours (30% ITC)	6,400	28%	\$84.86	85%	\$ -	\$ -	s -	0.00%	\$ -	\$ 0.70	\$85.56	\$ (16.60)	\$68.96
Rock Springs, WY, 200 MW Solar, CF: 27.9% + BESS: 50% pwr, 4 hours (30% ITC)	6,400	28%	\$79.33	85%	\$ -	\$ -	s -	0.00%	\$ -	\$ 0.70	\$80.03	\$ (15.28)	\$64.75
Yakima, WA, 100 MW Solar, CF: 24.2% + BESS: 50% pwr, 4 hours (30% ITC)	1,000	24%	\$100.83	85%	\$ -	\$ -	S -	0.00%	\$ -	\$ 0.70	\$101.53	\$ (19.90)	\$81.62
Yakima, WA, 200 MW Solar, CF: 24.2% + BESS: 50% pwr, 4 hours (30% ITC)	1,000	24%	\$94.31	85%	\$ -	\$ -	S -	0.00%	\$ -	\$ 0.70	\$95.01	\$ (18.35)	\$76.66
Idaho Falls, ID, 100 MW Solar, CF: 26.1% + BESS: 50% pwr, 4 hours (10% ITC)	4,700	26%	\$91.26	85%	\$ -	S -	s -	0.00%	\$ -	\$ 0.70	\$91.97	\$ (0.86)	\$91.11
Idaho Falls, ID, 200 MW Solar, CF: 26.1% + BESS: 50% pwr, 4 hours (10% ITC)	4,700	26%	\$85.11	85%	\$ -	\$ -	s -	0.00%	\$ -	\$ 0.70	\$85.82	\$ (0.79)	\$85.03
Lakeview, OR, 100 MW Solar, CF: 27.6% + BESS: 50% pwr, 4 hours (10% ITC)	4,800	28%	\$85.67	85%	\$ -	s -	\$ -	0.00%	\$ -	\$ 0.70	\$86.37	\$ (0.80)	\$85.57
Lakeview, OR, 200 MW Solar, CF: 27.6% + BESS: 50% pwr, 4 hours (10% ITC)	4,800	28%	\$80.28	85%	\$ -	S -	S -	0.00%	\$ -	\$ 0.70	\$80.98	\$ (0.74)	\$80.24
Milford, UT, 100 MW Solar, CF: 30.2% + BESS: 50% pwr, 4 hours (10% ITC)	5,000	30%	\$77.65	85%	\$ -	\$ -	\$ -	0.00%	\$ -	\$ 0.70	\$78.35	\$ (0.72)	\$77.63
Milford, UT, 200 MW Solar, CF: 30.2% + BESS: 50% pwr, 4 hours (10% ITC)	5,000	30%	\$72.60	85%	\$ -	\$ -	\$ -	0.00%	\$ -	\$ 0.70	\$73.31	\$ (0.66)	\$72.65
Rock Springs, WY, 100 MW Solar, CF: 27.9% + BESS: 50% pwr, 4 hours (10% ITC)	6,400	28%	\$84.86	85%	\$ -	\$ -	\$ -	0.00%	\$ -	\$ 0.70	\$85.56	\$ (0.79)	\$84.78
Rock Springs, WY, 200 MW Solar, CF: 27.9% + BESS: 50% pwr, 4 hours (10% ITC)	6,400	28%	\$79.33	85%	\$ -	\$ -	\$ -	0.00%	\$ -	\$ 0.70	\$80.03	\$ (0.73)	\$79.31
Yakima, WA, 100 MW Solar, CF: 24.2% + BESS: 50% pwr, 4 hours (10% ITC)	1,000	24%	\$100.83	85%	\$ -	\$ -	\$ -	0.00%	\$ -	\$ 0.70	\$101.53	\$ (0.94)	\$100.59
Yakima, WA, 200 MW Solar, CF: 24.2% + BESS: 50% pwr, 4 hours (10% ITC)	1,000	24%	\$94.31	85%	\$ -	\$ -	\$ -	0.00%	\$ -	\$ 0.70	\$95.01	\$ (0.87)	\$94.14
Idah Falls, ID, 200 MW Solar, CF: 26.1% + BESS: 50% pwr, 4 hours + 200 MW Wind	4,700	26%	\$146.34	85% 85%	\$ -	S -	s -	0.00%	\$ -	\$ 0.70	\$147.05	\$ -	\$147.05
Lakeview, OR, 200 MW Solar, CF: 27.6% + BESS: 50% pwr, 4 hours + 200 MW Wind	4,800	28% 30%	\$139.19	85% 85%	\$ -	S -	s -	0.00%	\$ - \$ -	\$ 0.70 \$ 0.70	\$139.90	S -	\$139.90
Milford, UT, 200 MW Solar, CF: 30.2% + BESS: 50% pwr, 4 hours + 200 MW Wind	5,000	28%	\$125.10	85% 85%	s -	s -	S - S -	0.00% 0.00%	s -		\$125.80	¥	\$125.80
Rock Springs, WY, 200 MW Solar, CF: 27.9% + BESS: 50% pwr, 4 hours + 200 MW Wind	6,400 1,000	28%	\$135.39 \$158.04	85% 85%	\$ -	\$ -	s -	0.00%	S -	\$ 0.70 \$ 0.70	\$136.10 \$158.75	\$ - \$ -	\$136.10 \$158.75
Yakima, WA, 200 MW Solar, CF: 24.2% + BESS: 50% pwr, 4 hours + 200 MW Wind Pumped Hydro, Swan Lake. 3600 MWh	1,000 N/A	38%	\$138.04	78%	s -	S -	S -	0.00%	s -	\$ 0.70 \$ -	\$138.73	\$ -	\$138.73
Pumped Hydro, Goldendale, 14400 MWh	N/A N/A	50%	\$80.40	78%		s -	s -	0.00%	s -	s -	\$80.40	S -	\$80.40
Pumped Hydro, Goldendale, 14400 MWh Pumped Hydro, Seminoe, 7500 MWh	N/A N/A	42%	\$105.85	80%	\$ -	s -	\$ 0.37	0.00%	s -	S -	\$106.22	S -	\$106.22
Pumped Hydro, Badger Mountain, 4000 MWh	N/A N/A	33%	\$103.83	80%		s -	\$ 0.37	0.00%	s -	s -	\$100.22 \$119.21	S -	\$100.22 \$119.21
Pumped Hydro, Owyhee, 4800 MWh	N/A N/A	33%	\$128.28	80%		5 -	\$ 0.37	0.00%	s -	s -	\$119.21 \$128.65	-	\$128.65
Pumped Hydro, Owynee, 4800 MWh Pumped Hydro, Flat Canyon, 1800 MWh	N/A N/A	25%	\$128.28	80%	\$ -	s -	\$ 0.37	0.00%	s -	S -	\$128.63 \$210.17	S -	\$210.17
Pumped Hydro, Utah PS2, 4000 MWh	N/A N/A	33%	\$131.74	80%		s -	\$ 0.37	0.00%	s -	s -	\$210.17 \$132.11	s -	\$132.11
Pumped Hydro, Utah PS2, 4000 MWh	N/A	33%	\$131.74	80%		s -	\$ 0.37	0.00%	s -	s -	\$132.11 \$132.17	\$ -	\$132.11 \$132.17
Pumped Hydro, Banner Mountain, 3400 MWh	N/A	35%	\$131.88	81%	•	· -	\$ 0.00	0.00%	s -	s -	\$131.88	\$ -	\$131.88
Adiabatic CAES, Hydrostor, 150 MW, 600 MWh	N/A	17%	\$109.63	60%	s -	\$ -	\$ 6.50	0.00%	\$ -	s -	\$116.13	\$ -	\$116.13
Adiabatic CAES, Hydrostor, 150 MW, 200 MWh	N/A	33%	\$60.85	60%	\$ -	s -	\$ 6.50	0.00%	\$ -	\$ -	\$67.35	\$ -	\$67.35
Adiabatic CAES, Hydrostor, 150 MW, 1800 MWh	N/A	50%	\$44.95	60%	s -	s -	\$ 6.50	0.00%	s -	s -	\$51.45	s -	\$51.45
Adiabatic CAES, Hydrostor, 300 MW, 1200 MWh	N/A	17%	\$86.97	60%	\$ -	s -	\$ 6.50	0.00%	s -	s -	\$93.47	\$ -	\$93.47
Adiabatic CAES, Hydrostor, 300 MW, 1200 MWh	N/A	33%	\$46.96	60%	\$ -	s -	\$ 6.50	0.00%	s -	s -	\$53.46 \$53.46	\$ -	\$53.46
Adiabatic CAES, Hydrostor, 300 MW, 2400 MWh	N/A	50%	\$36.84	60%	Š -	s -	\$ 6.50	0.00%	s -	s -	\$43.34	\$ -	\$43,34
Adiabatic CAES, Hydrostor, 500 MW, 2000 MWh	N/A	17%	\$84.70	60%	\$ -	s -	\$ 6.50	0.00%	\$ -	\$ -	\$91.20	\$	\$91.20
Adiabatic CAES, Hydrostor, 500 MW, 2000 MWh	N/A	33%	\$47.81	60%	s -	s -	\$ 6.50	0.00%	s -	s -	\$54.31	s -	\$54.31
Adiabatic CAES, Hydrostor, 500 MW, 6000 MWh	N/A	50%	\$34.76	60%	s -	s -	\$ 6.50	0.00%	\$ -	s -	\$41.26	s -	\$41.26

			Convert to \$/MW	h		Vai	iable Costs(\$/MV	Vh)							
Supply Side Resource Options Mid-Calendar Year 2020 Dollars (\$)								Levelize	ed Fuel					Credits	
Resource Description	Elevation (AFSL)	Capacity Factor 3/	Total Fixed (\$/MWh)	Storage Efficiency	\$/mmBtu	\$/MWh	O&M 1/	Capitalized Premium	O&M Cap	talized 1/	Integration	Cost 1/	Total Resource Cost	PTC Tax Credits / ITC (Solar Only) / 45Q Tax Credits (CCUS Only)	Total Resource Cost - with PTC / ITC / 45Q Credits
Li-Ion Battery, , 1 MW, 0.5 MWh	N/A	2%	\$1,171.19	85%	\$ -	\$ -	ncluded in FOl	0.00%	\$	-	\$	-	\$1,171.19	\$ -	\$1,171.19
Li-Ion Battery, , 1 MW, 1 MWh	N/A	4%	\$652.41	85%	\$ -	\$ -	ncluded in FOl	0.00%	\$	-	\$	-	\$652.41	\$ -	\$652.41
Li-Ion Battery, , 1 MW, 4 MWh	N/A	17%	\$262.28	85%	\$ -	\$ -	ncluded in FO!	0.00%	\$	-	\$	-	\$262.28	\$ -	\$262.28
Li-Ion Battery, , 1 MW, 8 MWh	N/A	33%	\$197.30	85%	\$ -	\$ -	ncluded in FOl	0.00%	\$	-	S	-	\$197.30	\$ -	\$197.30
Li-Ion Battery, , 50 MW, 200 MWh	N/A	17%	\$153.65	85%	\$ -	\$ -	ncluded in FO!	0.00%	\$	-	\$	-	\$153.65	\$ -	\$153.65
Flow Battery, , 1 MW, 1 MWh	N/A	4%	\$1,160.11	70%	\$ -	\$ -	ncluded in FOl	0.00%	\$	-	S	-	\$1,160.11	\$ -	\$1,160.11
Flow Battery, , 1 MW, 4 MWh	N/A	17%	\$309.79	70%	\$ -	\$ -	ncluded in FO!	0.00%	\$	-	\$	-	\$309.79	\$ -	\$309.79
Flow Battery, , 1 MW, 8 MWh	N/A	33%	\$225.56	70%	\$ -	\$ -	ncluded in FOl	0.00%	\$	-	\$	-	\$225.56	\$ -	\$225.56
Flow Battery, , 20 MW, 160 MWh	N/A	33%	\$150.05	70%	\$ -	\$ -	ncluded in FOl	0.00%	\$	-	\$	-	\$150.05	\$ -	\$150.05
Small Modular Reactor	5000	86%	\$ 88.15	N/A	\$ -	\$ -	\$ 16.14	0.00%	\$	-	\$	-	\$104.29	\$ -	\$104.29

			C	onvert to \$/MW	h				riable Costs (\$/MWh)				
Supply Side Resource Options Mid-Calendar Year 2020 Dollars (S)					Leveliz	ed Fuel					_	Credits	
Resource Description	Elevation (AFSL)	Capacity Factor 3/	Total Fixed (\$/MWh)	Storage Efficiency	¢/mmBtu	\$/MWh	O&M 1/	Capitalized Premium	O&M Capitalize	d Integration Cost /	Total Resource Cost	PTC Tax Credits / ITC (Solar Only) / 45Q Tax Credits (CCUS Only)	Total Resource Cost - with PTC / ITC / 45Q Credits
Brownfield Site	<u> </u>		•	-						•	•		
Utah													
Brownfield SCCT Frame "F" x1	5050	33%	\$25.23	N/A	\$ 3.13	\$ 31.10	\$ 17.03	13.23%	\$ 2.25	5 8 -	\$75.62	\$ -	\$75.62
Intercooled SCCT Aero x2	5050	33%	\$40.24	N/A	\$ 3.13	\$ 27.59	\$ 6.09	11.48%	\$ 0.70) \$ -	\$74.62	\$ -	\$74.62
Brownfield CCCT Dry "H", DF, 2x1	5050	78%	\$14.17	N/A	\$ 3.13	\$ 21.51	\$ 1.33	10.21%	\$ 0.14	l S -	\$37.15	\$ -	\$37.15
CCCT Dry "J", 1x1	5050	78%	\$14.65	N/A	\$ 3.13	\$ 19.88	\$ 1.81	10.21%	\$ 0.18	8 8 -	\$36.53	\$ -	\$36.53
Milford, UT, 200 MW Solar, CF: 30.2% (10% ITC)	5000	30%	\$41.18	N/A	\$ -	\$ -	\$ -	0.00%	\$ -	\$ 0.70		\$ (0.41)	\$41.48
Milford, UT, 200 MW Solar, CF: 30.2% + BESS: 50% pwr, 4 hours (30% ITC)	5,000	30%	\$72.60	85%	\$ -	\$ -	S -	0.00%	\$ -	\$ 0.70	\$73.31	\$ (13.94)	\$59.37
Wyoming													
Brownfield SCCT Frame "F" x1	6500	33%	\$24.50	N/A	\$ 3.09	\$ 30.68		13.23%	\$ 2.38		\$75.51	\$ -	\$75.51
Intercooled SCCT Aero x2	6500	33%	\$40.33	N/A	\$ 3.09	\$ 27.15	\$ 6.37	11.48%	\$ 0.73		\$74.58	\$ -	\$74.58
Brownfield CCCT Dry "H", DF, 2x1	6500	78%	\$14.02	N/A	\$ 3.09	\$ 20.78		10.21%	\$ 0.14		\$36.30	\$ -	\$36.30
CCCT Dry "J", 1x1	6500	78%	\$14.57	N/A	\$ 3.09	\$ 19.38	\$ 1.86	10.21%	\$ 0.19) \$ -	\$36.00	\$ -	\$36.00
Medicine Bow, WY, 200 MW Wind, CF: 43.6% (60% PTC)	6,500	44%	\$31.49	N/A	\$ -	\$ -	\$ -	0.00%	\$ -	\$ 0.93	\$32.42		\$32.42
Medicine Bow, WY, 200 MW Wind, CF: 43.6% + BESS: 50% pwr, 4 hours	6,500	44%	\$53.40	85%	\$ -	\$ -	\$ -	0.00%	\$ -	\$ 0.93	\$54.33		\$54.33
Rock Springs, WY, 200 MW Solar, CF: 27.9% (10% ITC)	6400	28%	\$44.56	N/A	\$ -	\$ -	\$ -	0.00%	\$ -	\$ 0.70	\$45.27	\$ (0.44)	\$44.82
Rock Springs, WY, 200 MW Solar, CF: 27.9% + BESS: 50% pwr, 4 hours (30% ITC)	6,400	28%	\$79.33	85%	\$ -	\$ -	\$ -	0.00%	\$ -	\$ 0.70		\$ (15.28)	
Naughton 1 PC CCUS Retrofit	6,500	85%	\$53.31	0%	\$ 2.28	\$ 32.77	\$ 7.32	0.00%	\$ -	\$ (12.28)		\$ (25.79)	\$55.33
Naughton 2 PC CCUS Retrofit	6,500	85%	\$53.17	0%	\$ 2.28	\$ 32.77	\$ 7.30	0.00%	\$ -	\$ (12.28)		\$ (25.79)	\$55.18
Johnston 2 PC CCUS Retrofit	6,500	85%	\$69.85	0%	\$ 0.99	\$ 14.23	\$ 6.10	0.00%	\$ -	\$ (12.28)	\$77.90	\$ (25.79)	\$52.11
Johnston 4 PC CCUS Retrofit	6,500	85%	\$52.26	0%	\$ 0.99	\$ 14.23		0.00%	\$ -	\$ (12.28)		\$ (25.79)	\$34.12
Wyodak PC CCUS Retrofit	6,500	85%	\$53.72	0%	\$ 1.14	\$ 16.38	\$ 7.31	0.00%	\$ -	\$ (12.28)	\$65.14	\$ (25.79)	\$39.35
Bridger 1 PC CCUS Retrofit	6,500	85%	\$53.24	0%	\$ 2.12	\$ 30.47	\$ 7.31	0.00%	\$ -	\$ (12.28)		\$ (25.79)	\$52.95
Bridger 3 PC CCUS Retrofit	6,500	85%	\$52.68	0%	\$ 2.12	\$ 30.47	\$ 5.69	0.00%	\$ -	\$ (12.28)	\$76.56	\$ (25.79)	\$50.77
Bridger 4 PC CCUS Retrofit	6,500	85%	\$52.72	0%	\$ 2.12	\$ 30.47	\$ 5.69	0.00%	\$ -	\$ (12.28)	\$76.60	\$ (25.79)	\$50.81

1/ Input into IRP PLEXOS Model

2/ Wind and solar shapes are input into IRP PLEXOS Model NC = Not Calculated

Information Presented is Illustrative

CCUS costs are incremental and include environmental upgrade costs but are missing underlying coal unit costs