

Table - 2019 Supply-Side Table (2018\$)

	Description		Resource Characteristics				Costs			Operating Characteristics				Environmental			
			Fuel	Resource	Elevation (AFSL)	Net Capacity (MW)	Commercial Operation Year	Design Life (yrs)	Base Capital (\$/KW)	Var O&M (\$/MWh)	Fixed O&M (\$/KW-yr)	Average Full Load Heat Rate (HHV Btu/KWh)/Efficiency	EFOR (%)	POR (%)	Water Consumed (Gal/MWh)	SO2 (lbs/MMBtu)	NOx (lbs/MMBtu)
1	Natural Gas	SCCT Aero x3, ISO	0	142	2023	30	1,570	7.54	27.14	9279	2.6	3.9	58	0.0006	0.009	0.255	117
2	Natural Gas	Intercooled SCCT Aero x2, ISO	0	231	2023	30	1,092	5.05	18.78	8725	2.9	3.9	80	0.0006	0.009	0.255	117
3	Natural Gas	SCCT Frame "F" x1, ISO	0	233	2023	35	704	5.50	13.28	9811	2.7	3.9	20	0.0006	0.009	0.255	117
4	Natural Gas	IC Recips x 6, ISO	0	111	2023	35	1,810	7.45	29.82	8272	2.5	5.0	5	0.0006	0.0288	0.255	117
5	Natural Gas	CCCT Dry "G/H", 1x1, ISO	0	419	2024	40	1,469	1.76	20.52	6847	2.5	3.8	11	0.0006	0.0072	0.255	117
6	Natural Gas	CCCT Dry "G/H", DF, 1x1, ISO	0	51	2024	40	478	0.15	5.39	6847	0.8	3.8	11	0.0006	0.0072	0.255	117
7	Natural Gas	CCCT Dry "G/H", 2x1, ISO	0	840	2025	40	1,060	1.67	13.79	6861	2.5	3.8	11	0.0006	0.0072	0.255	117
8	Natural Gas	CCCT Dry "G/H", DF, 2x1, ISO	0	102	2025	40	365	0.16	4.44	6861	0.8	3.8	11	0.0006	0.0072	0.255	117
9	Natural Gas	CCCT Dry "J/HA.02", 1x1, ISO	0	539	2024	40	1,218	1.70	17.66	6787	2.5	3.8	0	0.0006	0.0072	0.255	117
10	Natural Gas	CCCT Dry "J/HA.02", DF, 1x1, ISO	0	63	2024	40	407	0.16	4.86	6787	0.8	3.8	0	0.0006	0.0072	0.255	117
11	Natural Gas	CCCT Dry, "J/HA.02" 2X1, ISO	0	1,083	2025	40	881	1.62	12.00	6787	2.5	3.8	0	0.0006	0.0072	0.255	117
12	Natural Gas	CCCT Dry "J/HA.02", DF, 2X1, ISO	0	126	2025	40	316	0.16	4.05	6787	0.8	3.8	0	0.0006	0.0072	0.255	117
13	Natural Gas	SCCT Aero x3	1,500	138	2023	30	1,612	7.76	27.96	9228	2.6	3.9	58	0.0006	0.009	0.255	117
14	Natural Gas	Intercooled SCCT Aero x2	1,500	221	2023	30	1,143	5.35	19.88	8689	2.9	3.9	80	0.0006	0.009	0.255	117
15	Natural Gas	SCCT Frame "F" x1	1,500	221	2023	35	741	5.81	14.02	9792	2.7	3.9	20	0.0006	0.009	0.255	117
16	Natural Gas	IC Recips x 6	1,500	111	2023	35	1,810	7.45	29.82	8272	2.5	5.0	5	0.0006	0.0288	0.255	117
17	Natural Gas	CCCT Dry "G/H", 1x1	1,500	396	2024	40	1,552	1.86	21.68	6788	2.5	3.8	11	0.0006	0.0072	0.255	117
18	Natural Gas	CCCT Dry "G/H", DF, 1x1	1,500	51	2024	40	478	0.15	5.39	6788	0.8	3.8	11	0.0006	0.0072	0.255	117
19	Natural Gas	CCCT Dry "G/H", 2x1	1,500	795	2025	40	1,120	1.77	14.57	6800	2.5	3.8	11	0.0006	0.0072	0.255	117
20	Natural Gas	CCCT Dry "G/H", DF, 2x1	1,500	102	2025	40	365	0.16	4.44	6800	0.8	3.8	11	0.0006	0.0072	0.255	117
21	Natural Gas	CCCT Dry "J/HA.02", 1x1	1,500	510	2024	40	1,288	1.80	18.67	6732	2.5	3.8	11	0.0006	0.0072	0.255	117
22	Natural Gas	CCCT Dry "J/HA.02", DF, 1x1	1,500	63	2024	40	407	0.16	4.86	6732	0.8	3.8	11	0.0006	0.0072	0.255	117
23	Natural Gas	CCCT Dry, "J/HA.02" 2X1	1,500	1,023	2025	40	932	1.71	12.69	6732	2.5	3.8	11	0.0006	0.0072	0.255	117
24	Natural Gas	CCCT Dry "J/HA.02", DF, 2X1	1,500	126	2025	40	316	0.16	4.05	6732	0.8	3.8	11	0.0006	0.0072	0.255	117
25	Natural Gas	SCCT Aero x3	3,000	131	2023	30	1,704	8.21	29.58	9232	2.6	3.9	58	0.0006	0.009	0.255	117
26	Natural Gas	Intercooled SCCT Aero x2	3,000	209	2023	30	1,209	5.67	21.10	8687	2.9	3.9	80	0.0006	0.009	0.255	117
27	Natural Gas	SCCT Frame "F" x1	3,000	210	2023	35	782	6.13	14.81	9799	2.7	3.9	20	0.0006	0.009	0.255	117
28	Natural Gas	IC Recips x 6	3,000	111	2023	35	1,810	7.45	29.82	8273	2.5	5.0	5	0.0006	0.0288	0.255	117
29	Natural Gas	CCCT Dry "G/H", 1x1	3,000	375	2024	40	1,641	1.97	22.92	6762	2.5	3.8	11	0.0006	0.0072	0.255	117
30	Natural Gas	CCCT Dry "G/H", DF, 1x1	3,000	51	2024	40	478	0.15	5.39	6762	0.8	3.8	11	0.0006	0.0072	0.255	117
31	Natural Gas	CCCT Dry "G/H", 2x1	3,000	752	2025	40	1,184	1.86	15.39	6775	2.5	3.8	11	0.0006	0.0072	0.255	117
32	Natural Gas	CCCT Dry "G/H", DF, 2x1	3,000	102	2025	40	365	0.16	4.44	6775	0.8	3.8	11	0.0006	0.0072	0.255	117
33	Natural Gas	CCCT Dry "J/HA.02", 1x1	3,000	482	2024	40	1,363	1.90	19.73	6690	2.5	3.8	11	0.0006	0.0072	0.255	117
34	Natural Gas	CCCT Dry "J/HA.02", DF, 1x1	3,000	63	2024	40	407	0.16	4.86	6690	0.8	3.8	11	0.0006	0.0072	0.255	117
35	Natural Gas	CCCT Dry, "J/HA.02" 2X1	3,000	967	2025	40	986	1.81	13.41	6692	2.5	3.8	11	0.0006	0.0072	0.255	117
36	Natural Gas	CCCT Dry "J/HA.02", DF, 2X1	3,000	126	2025	40	316	0.16	4.05	6692	0.8	3.8	11	0.0006	0.0072	0.255	117
37	Natural Gas	SCCT Aero x3	5,050	122	2023	30	1,829	8.85	31.86	9229	2.6	3.9	58	0.0006	0.009	0.255	117
38	Natural Gas	Intercooled SCCT Aero x2	5,050	194	2023	30	1,305	6.14	22.82	8680	2.9	3.9	80	0.0006	0.009	0.255	117
39	Natural Gas	SCCT Frame "F" x1	5,050	194	2023	35	843	6.61	15.97	9805	2.7	3.9	20	0.0006	0.009	0.255	117
40	Natural Gas	IC Recips x 6	5,050	111	2023	35	1,810	7.45	29.82	8280	2.5	5.0	5	0.0006	0.0288	0.255	117
41	Natural Gas	CCCT Dry "G/H", 1x1	5,050	344	2024	40	1,788	2.12	24.74	6510	2.5	3.8	11	0.0006	0.0072	0.255	117
42	Natural Gas	CCCT Dry "G/H", DF, 1x1	5,050	51	2024	40	478	0.15	5.39	6510	0.8	3.8	11	0.0006	0.0072	0.255	117
43	Natural Gas	CCCT Dry "G/H", 2x1	5,050	687	2025	40	1,297	2.01	16.63	6520	2.5	3.8	11	0.0006	0.0072	0.255	117
44	Natural Gas	CCCT Dry "G/H", DF, 2x1	5,050	102	2025	40	365	0.16	4.44	6520	0.8	3.8	11	0.0006	0.0072	0.255	117
45	Natural Gas	CCCT Dry "J/HA.02", 1x1	5,050	442	2024	40	1,485	2.05	21.26	6464	2.5	3.8	11	0.0006	0.0072	0.255	117
46	Natural Gas	CCCT Dry "J/HA.02", DF, 1x1	5,050	63	2024	40	407	0.16	4.86	6464	0.8	3.8	11	0.0006	0.0072	0.255	117
47	Natural Gas	CCCT Dry, "J/HA.02" 2X1	5,050	884	2025	40	1,079	1.95	14.45	6469	2.5	3.8	11	0.0006	0.0072	0.255	117
48	Natural Gas	CCCT Dry "J/HA.02", DF, 2X1	5,050	126	2025	40	316	0.16	4.05	6469	0.8	3.8	11	0.0006	0.0072	0.255	117
49	Natural Gas	SCCT Aero x3	6,500	113	2023	30	1,975	9.60	34.56	9209	2.6	3.9	58	0.0006	0.009	0.255	117
50	Natural Gas	Intercooled SCCT Aero x2	6,500	181	2023	30	1,394	6.45	24.00	8694	2.9	3.9	80	0.0006	0.009	0.255	117
51	Natural Gas	SCCT Frame "F" x1	6,500	185	2023	35	887	6.96	16.81	9786	2.7	3.9	20	0.0006	0.009	0.255	117
52	Natural Gas	IC Recips x 6	6,500	111	2023	35	1,810	7.75	31.04	8320	2.5	5.0	5	0.0006	0.0288	0.255	117
53	Natural Gas	CCCT Dry "G/H", 1x1	6,500	333	2024	40	1,843	2.25	26.20	6757	2.5	3.8	11	0.0006	0.0072	0.255	117
54	Natural Gas	CCCT Dry "G/H", DF, 1x1	6,500	51	2024	40	478	0.15	5.39	6757	0.8	3.8	11	0.0006	0.0072	0.255	117
55	Natural Gas	CCCT Dry "G/H", 2x1	6,500	699	2025	40	1,330	2.13	17.61	6772	2.5	3.8	11	0.0006	0.0072	0.255	117
56	Natural Gas	CCCT Dry "G/H", DF, 2x1	6,500	102	2025	40	365	0.16	4.44	6772	0.8	3.8	11	0.0006	0.0072	0.255	117
57	Natural Gas	CCCT Dry "J/HA.02", 1x1	6,500	424	2024	40	1,549	2.15	22.33	6681	2.5	3.8	11	0.0006	0.0072	0.255	117
58	Natural Gas	CCCT Dry "J/HA.02", DF, 1x1	6,500	63	2024	40	407	0.16	4.86	6681	0.8	3.8	11	0.0006	0.0072	0.255	117
59	Natural Gas	CCCT Dry, "J/HA.02" 2X1	6,500	851	2025	40	1,120	2.05	15.18	6681	2.5	3.8	11	0.0006	0.0072	0.255	117
60	Natural Gas	CCCT Dry "J/HA.02", DF, 2X1	6,500	126	2025	40	316	0.16	4.06	6681	0.8	3.8	11	0.0006	0.0072	0.255	117

Supply-Side Resource Options Mid-Calendar Year 2018 Dollars (\$)		Capital Cost \$/kW			Fixed Cost									
		Elevation (AFSL)	Total Capital Cost 1/	Payment Factor 1/	Annual Payment (\$/kW- Yr)	Fixed O&M \$/kW-Yr								
						O&M 1/	Capitalized Premium	O&M Capitalized 1/	Intra-hour Flex Resource Resource Credit 2/	Gas Transportation 1/	Total without IHFC	Total with IHFC	Total Fixed without IHFC (\$/kW-Yr)	Total Fixed with IHFC (\$/kW-Yr)
Resource Description														
SCCT Aero x3, ISO	0	\$1,570	7.41%	\$116.34	27.14	1.262%	0.34	(16.58)	31.94	59.42	42.83	\$175.76	\$159.18	
Intercooled SCCT Aero x2, ISO	0	\$1,092	7.41%	\$80.97	18.78	0.273%	0.05	(18.51)	30.03	48.87	30.36	\$129.84	\$111.33	
SCCT Frame "F" x1, ISO	0	\$704	6.959%	\$48.96	13.28	1.135%	0.15	(3.47)	33.77	47.21	43.74	\$96.17	\$92.70	
IC Recips x 6, ISO	0	\$1,810	6.959%	\$125.94	29.82	0.136%	0.04	(22.44)	28.47	58.33	35.89	\$184.27	\$161.82	
CCCT Dry "G/H", 1x1, ISO	0	\$1,469	6.790%	\$99.72	20.52	0.146%	0.03	(3.77)	23.57	44.12	40.35	\$143.84	\$140.07	
CCCT Dry "G/H", DF, 1x1, ISO	0	\$478	6.790%	\$32.45	5.39	0.000%	0.00	0.00	23.57	28.96	28.96	\$61.42	\$61.42	
CCCT Dry "G/H", 2x1, ISO	0	\$1,060	6.790%	\$71.98	13.79	0.146%	0.02	(3.77)	23.62	37.43	33.66	\$109.41	\$105.64	
CCCT Dry "G/H", DF, 2x1, ISO	0	\$365	6.790%	\$24.75	4.44	0.000%	0.00	0.00	23.62	28.05	28.05	\$52.81	\$52.81	
CCCT Dry "J/HA.02", 1x1, ISO	0	\$1,218	6.790%	\$82.69	17.66	0.000%	0.00	(3.77)	23.36	41.02	37.25	\$123.70	\$119.93	
CCCT Dry "J/HA.02", DF, 1x1, ISO	0	\$407	6.790%	\$27.67	4.86	0.000%	0.00	0.00	23.36	28.22	28.22	\$55.89	\$55.89	
CCCT Dry, "J/HA.02" 2X1, ISO	0	\$881	6.790%	\$59.80	12.00	0.146%	0.02	(3.77)	23.36	35.38	31.61	\$95.18	\$91.41	
CCCT Dry "J/HA.02", DF, 2X1, ISO	0	\$316	6.790%	\$21.45	4.05	0.000%	0.00	0.00	23.36	27.42	27.42	\$48.86	\$48.86	
SCCT Aero x3	1,500	\$1,612	7.411%	\$119.50	27.96	1.262%	0.35	(16.58)	31.76	60.07	43.49	\$179.57	\$162.99	
Intercooled SCCT Aero x2	1,500	\$1,143	7.411%	\$84.71	19.88	0.273%	0.05	(18.51)	29.91	49.85	31.34	\$134.56	\$116.05	
SCCT Frame "F" x1	1,500	\$741	6.959%	\$51.54	14.02	1.135%	0.16	(3.47)	33.71	47.89	44.42	\$99.43	\$95.96	
IC Recips x 6	1,500	\$1,810	6.959%	\$125.94	29.82	0.136%	0.04	(22.44)	28.47	58.33	35.89	\$184.27	\$161.82	
CCCT Dry "G/H", 1x1	1,500	\$1,552	6.790%	\$105.38	21.68	0.146%	0.03	(3.77)	23.37	45.08	41.31	\$150.46	\$146.69	
CCCT Dry "G/H", DF, 1x1	1,500	\$478	6.790%	\$32.45	5.39	0.000%	0.00	0.00	23.37	28.76	28.76	\$61.21	\$61.21	
CCCT Dry "G/H", 2x1	1,500	\$1,120	6.790%	\$76.07	14.57	0.146%	0.02	(3.77)	23.41	38.00	34.23	\$114.07	\$110.30	
CCCT Dry "G/H", DF, 2x1	1,500	\$365	6.790%	\$24.75	4.44	0.000%	0.00	0.00	23.41	27.84	27.84	\$52.60	\$52.60	
CCCT Dry "J/HA.02", 1x1	1,500	\$1,288	6.790%	\$87.46	18.67	0.000%	0.00	(3.77)	23.17	41.84	38.07	\$129.30	\$125.53	
CCCT Dry "J/HA.02", DF, 1x1	1,500	\$407	6.790%	\$27.67	4.86	0.000%	0.00	0.00	23.17	28.03	28.03	\$55.70	\$55.70	
CCCT Dry, "J/HA.02" 2X1	1,500	\$932	6.790%	\$63.30	12.69	0.146%	0.02	(3.77)	23.17	35.88	32.11	\$99.17	\$95.40	
CCCT Dry "J/HA.02", DF, 2X1	1,500	\$316	6.790%	\$21.45	4.05	0.000%	0.00	0.00	23.17	27.23	27.23	\$48.67	\$48.67	
SCCT Aero x3	3,000	\$1,704	7.411%	\$126.26	29.58	1.262%	0.37	(16.58)	16.94	46.89	30.30	\$173.15	\$156.57	
Intercooled SCCT Aero x2	3,000	\$1,209	7.411%	\$89.58	21.10	0.273%	0.06	(18.51)	15.94	37.10	18.59	\$126.68	\$108.17	
SCCT Frame "F" x1	3,000	\$782	6.959%	\$54.43	14.81	1.135%	0.17	(3.47)	17.98	32.95	29.48	\$87.38	\$83.91	
IC Recips x 6	3,000	\$1,810	6.959%	\$125.94	29.82	0.136%	0.04	(22.44)	15.18	45.03	22.59	\$170.97	\$148.53	
CCCT Dry "G/H", 1x1	3,000	\$1,641	6.790%	\$111.41	22.92	0.146%	0.03	(3.77)	23.28	46.23	42.46	\$157.64	\$153.87	
CCCT Dry "G/H", DF, 1x1	3,000	\$478	6.790%	\$32.45	5.39	0.000%	0.00	0.00	23.28	28.67	28.67	\$61.12	\$61.12	
CCCT Dry "G/H", 2x1	3,000	\$1,184	6.790%	\$80.42	15.39	0.146%	0.02	(3.77)	12.43	27.85	24.08	\$108.27	\$104.50	
CCCT Dry "G/H", DF, 2x1	3,000	\$365	6.790%	\$24.75	4.44	0.000%	0.00	0.00	12.43	16.87	16.87	\$41.62	\$41.62	
CCCT Dry "J/HA.02", 1x1	3,000	\$1,363	6.790%	\$92.58	19.73	0.000%	0.00	(3.77)	12.27	32.01	28.24	\$124.58	\$120.81	
CCCT Dry "J/HA.02", DF, 1x1	3,000	\$407	6.790%	\$27.67	4.86	0.000%	0.00	0.00	12.27	17.13	17.13	\$44.80	\$44.80	
CCCT Dry, "J/HA.02" 2X1	3,000	\$986	6.790%	\$66.98	13.41	0.146%	0.02	(3.77)	12.28	25.71	21.94	\$92.69	\$88.92	
CCCT Dry "J/HA.02", DF, 2X1	3,000	\$316	6.790%	\$21.45	4.05	0.000%	0.00	0.00	12.28	16.33	16.33	\$37.78	\$37.78	
Supply-Side Resource Options Mid-Calendar Year 2018 Dollars (\$)		Capital Cost \$/kW			Fixed Cost									
		Elevation (AFSL)	Total Capital Cost 1/	Payment Factor 1/	Annual Payment (\$/kW- Yr)	Fixed O&M \$/kW-Yr								
						O&M 1/	Capitalized Premium	O&M Capitalized 1/	Intra-hour Flex Resource Resource Credit 2/	Gas Transportation 1/	Total without IHFC	Total with IHFC	Total Fixed without IHFC (\$/kW-Yr)	Total Fixed with IHFC (\$/kW-Yr)
Resource Description														
SCCT Aero x3	5,050	\$1,829	7.411%	\$135.58	31.86	1.262%	0.40	(16.58)	14.06	46.32	29.73	\$181.90	\$165.31	
Intercooled SCCT Aero x2	5,050	\$1,305	7.411%	\$96.74	22.82	0.273%	0.06	(18.51)	13.22	36.10	17.59	\$132.84	\$114.33	
SCCT Frame "F" x1	5,050	\$843	6.959%	\$58.69	15.97	1.135%	0.18	(3.47)	14.93	31.08	27.61	\$89.77	\$86.30	
IC Recips x 6	5,050	\$1,810	6.959%	\$125.94	29.82	0.136%	0.04	(22.44)	12.61	42.47	20.02	\$168.41	\$145.96	
CCCT Dry "G/H", 1x1	5,050	\$1,788	6.790%	\$121.40	24.74	0.146%	0.04	(3.77)	9.91	34.69	30.92	\$156.09	\$152.32	
CCCT Dry "G/H", DF, 1x1	5,050	\$478	6.790%	\$32.45	5.39	0.000%	0.00	0.00	9.91	15.30	15.30	\$47.76	\$47.76	
CCCT Dry "G/H", 2x1	5,050	\$1,297	6.790%	\$88.06	16.63	0.146%	0.02	(3.77)	9.93	26.58	22.81	\$114.64	\$110.87	
CCCT Dry "G/H", DF, 2x1	5,050	\$365	6.790%	\$24.75	4.44	0.000%	0.00	0.00	9.93	14.37	14.37	\$39.12	\$39.12	
CCCT Dry "J/HA.02", 1x1	5,050	\$1,485	6.790%	\$100.84	21.26	0.000%	0.00	(3.77)	9.84	31.10	27.33	\$131.95	\$128.18	
CCCT Dry "J/HA.02", DF, 1x1	5,050	\$407	6.790%	\$27.67	4.86	0.000%	0.00	0.00	9.84	14.70	14.70	\$42.37	\$42.37	
CCCT Dry, "J/HA.02" 2X1	5,050	\$1,079	6.790%	\$73.29	14.45	0.146%	0.02	(3.77)	9.85	24.33	20.56	\$97.61	\$93.84	
CCCT Dry "J/HA.02", DF, 2X1	5,050	\$316	6.790%	\$21.45	4.05	0.000%	0.00	0.00	9.85	13.91	13.91	\$35.35	\$35.35	
SCCT Aero x3	6,500	\$1,975	7.411%	\$146.35	34.56	1.262%	0.44	(16.58)	9.13	44.13	27.54	\$190.47	\$173.89	
Intercooled SCCT Aero x2	6,500	\$1,394	7.411%	\$103.31	24.00	0.273%	0.07	(18.51)	8.62	32.68	14.17	\$136.00	\$117.49	
SCCT Frame "F" x1	6,500	\$887	6.959%	\$61.71	16.81	1.135%	0.19	(3.47)	9.70	26.70	23.24	\$88.42	\$84.95	
IC Recips x 6	6,500	\$1,810	6.959%	\$125.94	31.04	0.136%	0.04	(22.44)	8.24	39.33	16.88	\$165.27	\$142.82	
CCCT Dry "G/H", 1x1	6,500	\$1,843	6.790%	\$125.17	26.20	0.146%	0.04	(3.77)	20.66	46.90	43.13	\$172.07	\$168.30	
CCCT Dry "G/H", DF, 1x1	6,500	\$478	6.790%	\$32.45	5.39	0.000%	0.00	0.00	20.66	26.05	26.05	\$58.50	\$58.50	
CCCT Dry "G/H", 2x1	6,500	\$1,330	6.790%	\$90.33	17.61	0.146%	0.03	(3.77)	6.71	24.34	20.57	\$114.67	\$110.90	
CCCT Dry "G/H", DF, 2x1	6,500	\$365	6.790%	\$24.75	4.44	0.000%	0.00	0.00	6.71	11.15	11.15	\$35.90	\$35.90	
CCCT Dry "J/HA.02", 1x1	6,500	\$1,549	6.790%	\$105.16	22.33	0.000%	0.00	(3.77)	6.62	28.95	25.18	\$134.11	\$130.34	
CCCT Dry "J/HA.02", DF, 1x1	6,500	\$407	6.790%	\$27.67	4.86	0.000%	0.00	0.00	6.62	11.48	11.48	\$39.15	\$39.15	
CCCT Dry, "J/HA.02" 2X1	6,500	\$1,120	6.790%	\$76.08	15.18	0.146%	0.02	(3.77)	6.62	21.82	18.05	\$97.90	\$94.13	
CCCT Dry "J/HA.02", DF, 2X1	6,500	\$316	6.790%	\$21.45	4.06	0.000%	0.00	0.00	6.62	10.68	10.68	\$32.12	\$32.12	

Supply-Side Resource Options Mid-Calendar Year 2018 Dollars (\$)	Elevation (AFSL)	Capital Cost \$/kW			Fixed Cost								Total Fixed without IHFRC (\$/kW-Yr)	Total Fixed with IHFRC (\$/kW-Yr)
		Total Capital Cost 1/	Payment Factor 1/	Annual Payment (\$/kW- Yr)	O&M 1/	Capitalized Premium	O&M Capitalized 1/	Intra-hour Flex Resource Resource Credit 2/	Gas Transportation 1/	Total without IHFRC	Total with IHFRC			
												Fixed O&M \$/kW-Yr		
Resource Description														
Blundell Dual Flash 90% CF	4,500	\$5,708	6.185%	\$0.00	103.85	0.918%	0.95	0.00	0.00	104.80	104.80	\$104.80	\$104.80	
Generic Geothermal PPA 90% CF	4,500	\$0	6.185%	\$0.00	0.00	0.000%	0.00	0.00	0.00	0.00	0.00	\$0.00	\$0.00	
3.6 MW Wind turbine 37.1% CF WA, 2020 (100% PTC)	4,500	\$1,354	6.899%	\$93.42	27.99	2.902%	0.81	(0.87)	0.00	28.80	27.93	\$122.22	\$121.34	
3.6 MW Wind turbine 37.1% CF OR, 2020 (100% PTC)	1,500	\$1,334	6.899%	\$92.01	27.99	2.902%	0.81	(0.87)	0.00	28.80	27.93	\$120.81	\$119.94	
3.6 MW Wind turbine 37.1% CF ID, 2020 (100% PTC)	4,500	\$1,358	6.899%	\$93.71	27.99	2.902%	0.81	(0.87)	0.00	28.80	27.93	\$122.52	\$121.64	
3.6 MW Wind turbine 29.5% CF UT, 2020 (100% PTC)	6,500	\$1,301	6.899%	\$89.79	27.99	2.902%	0.81	(0.87)	0.00	28.80	27.93	\$118.59	\$117.71	
3.6 MW Wind turbine 43.6% CF WY, 2020 (100% PTC)	1,500	\$1,301	6.899%	\$89.79	27.99	2.902%	0.81	(0.87)	0.00	28.80	27.93	\$118.59	\$117.71	
2.0 MW Wind turbine 37.1% CF WA, 2023 (40% PTC)	4,500	\$1,354	6.899%	\$93.42	27.99	2.902%	0.81	(0.87)	0.00	28.80	27.93	\$122.22	\$121.34	
2.0 MW Wind turbine 37.1% CF OR, 2023 (40% PTC)	1,500	\$1,334	6.899%	\$92.01	27.99	2.902%	0.81	(0.87)	0.00	28.80	27.93	\$120.81	\$119.94	
2.0 MW Wind turbine 37.1% CF ID, 2023 (40% PTC)	4,500	\$1,358	6.899%	\$93.71	27.99	2.902%	0.81	(0.87)	0.00	28.80	27.93	\$122.52	\$121.64	
2.0 MW Wind turbine 29.5% CF UT, 2023 (40% PTC)	6,500	\$1,301	6.899%	\$89.79	27.99	2.902%	0.81	(0.87)	0.00	28.80	27.93	\$118.59	\$117.71	
3.3 MW Wind turbine 43.6% CF WY, 2023 (40% PTC)	1,500	\$1,301	6.899%	\$89.79	27.99	2.902%	0.81	(0.87)	0.00	28.80	27.93	\$118.59	\$117.71	
Wind + Stor, Pocatello, ID, 200 MW+ 50 MW 200 MWh	4,500	\$1,880	6.899%	\$129.66	35.16	2.902%	1.02	(7.28)	0.00	36.18	28.90	\$165.84	\$158.57	
Wind + Stor, Arlington, OR, 200 MW+ 50 MW 200 MWh	1,500	\$1,917	6.899%	\$132.26	35.16	2.902%	1.02	(7.28)	0.00	36.18	28.90	\$168.44	\$161.16	
Wind + Stor, Monticello, UT, 200 MW+ 50 MW 200 MWh	4,500	\$1,877	6.899%	\$129.51	35.16	2.902%	1.02	(7.28)	0.00	36.18	28.90	\$165.69	\$158.41	
Wind + Stor, Medicine Bow, WY, 200 MW+ 50 MW 200 MWh	6,500	\$1,872	6.899%	\$129.12	35.16	2.902%	1.02	(7.28)	0.00	36.18	28.90	\$165.30	\$158.02	
Wind + Stor, Goldendale, WA, 200 MW+ 50 MW 200 MWh	1,500	\$1,924	6.899%	\$132.71	35.16	2.902%	1.02	(7.28)	0.00	36.18	28.90	\$168.89	\$161.61	
PV Idaho Falls, ID, 200 MW, 2021, 28.1% CF (30% ITC)	4,500	\$1,271	7.712%	\$98.02	21.72	1.379%	0.30	(1.22)	0.00	22.02	20.80	\$120.04	\$118.82	
PV Lakeview, OR, 200 MW, 2021, 29.7% CF (30% ITC)	4,800	\$1,329	7.712%	\$102.53	22.35	1.379%	0.31	(1.22)	0.00	22.66	21.44	\$125.19	\$123.98	
PV Milford, UT, 200 MW, 2021, 32.5% CF (30% ITC)	4,500	\$1,268	7.712%	\$97.83	22.32	1.379%	0.31	(1.22)	0.00	22.63	21.41	\$120.46	\$119.24	
PV Rock Springs, WY, 200 MW, 2021, 30.1% CF (30% ITC)	4,800	\$1,266	7.712%	\$97.62	21.13	1.379%	0.29	(1.22)	0.00	21.42	20.20	\$119.04	\$117.83	
PV Yakima, WA, 200 MW, 2021, 26% CF (30% ITC)	4,802	\$1,327	7.712%	\$102.36	22.35	1.379%	0.31	(1.22)	0.00	22.66	21.44	\$125.02	\$123.80	
PV Idaho Falls, ID, 200 MW, 2026, 28.1% CF (10% ITC)	4,802	\$1,271	7.712%	\$98.02	21.72	1.379%	0.30	(1.22)	0.00	22.02	20.80	\$120.04	\$118.82	
PV Lakeview, OR, 200 MW, 2026, 29.7% CF (10% ITC)	4,802	\$1,329	7.712%	\$102.53	22.35	1.379%	0.31	(1.22)	0.00	22.66	21.44	\$125.19	\$123.98	
PV Milford, UT, 200 MW, 2026, 32.5% CF (10% ITC)	4,802	\$1,268	7.712%	\$97.83	22.32	1.379%	0.31	(1.22)	0.00	22.63	21.41	\$120.46	\$119.24	
PV Rock Springs, WY, 200 MW, 2026, 30.1% CF (10% ITC)	4,802	\$1,266	7.712%	\$97.62	21.13	1.379%	0.29	(1.22)	0.00	21.42	20.20	\$119.04	\$117.83	
PV Yakima, WA, 200 MW, 2026, 26% CF (10% ITC)	4,802	\$1,327	7.712%	\$102.36	22.35	1.379%	0.31	(1.22)	0.00	22.66	21.44	\$125.02	\$123.80	
PV + Stor, Idaho Falls, ID, 200 MW + 50 MW X 200 MWh (30% ITC)	4,802	\$1,614	7.712%	\$124.48	29.52	1.379%	0.41	(7.62)	0.00	29.93	22.31	\$154.41	\$146.79	
PV + Stor, Lakeview, OR, 200 MW + 50 MW X 200 MWh (30% ITC)	4,802	\$1,699	7.712%	\$131.01	29.52	1.379%	0.41	(7.62)	0.00	29.93	22.31	\$160.94	\$153.32	
PV + Stor, Milford, UT, 200 MW + 50 MW X 200 MWh (30% ITC)	4,802	\$1,612	7.712%	\$124.29	29.52	1.379%	0.41	(7.62)	0.00	29.93	22.31	\$154.21	\$146.60	
PV + Stor, Rock Springs, WY, 200 MW + 50 MW X 200 MWh (30% ITC)	4,802	\$1,609	7.712%	\$124.08	29.52	1.379%	0.41	(7.62)	0.00	29.93	22.31	\$154.01	\$146.39	
PV + Stor, Yakima, WA, 200 MW + 50 MW X 200 MWh (30% ITC)	4,802	\$1,697	7.712%	\$130.86	29.52	1.379%	0.41	(7.62)	0.00	29.93	22.31	\$160.79	\$153.17	
PV + Stor, Idaho Falls, ID, 200 MW + 50 MW X 200 MWh (10% ITC)	4,802	\$1,614	7.712%	\$124.48	29.52	1.379%	0.41	(7.62)	0.00	29.93	22.31	\$154.41	\$146.79	
PV + Stor, Lakeview, OR, 200 MW + 50 MW X 200 MWh (10% ITC)	4,802	\$1,699	7.712%	\$131.01	29.52	1.379%	0.41	(7.62)	0.00	29.93	22.31	\$160.94	\$153.32	
PV + Stor, Milford, UT, 200 MW + 50 MW X 200 MWh (100% ITC)	4,802	\$1,612	7.712%	\$124.29	29.52	1.379%	0.41	(7.62)	0.00	29.93	22.31	\$154.21	\$146.60	
PV + Stor, Rock Springs, WY, 200 MW + 50 MW X 200 MWh (10% ITC)	4,802	\$1,609	7.712%	\$124.08	29.52	1.379%	0.41	(7.62)	0.00	29.93	22.31	\$154.01	\$146.39	
PV + Stor, Yakima, WA, 200 MW + 50 MW X 200 MWh (30% ITC)	4,802	\$1,697	7.712%	\$130.86	29.52	1.379%	0.41	(7.62)	0.00	29.93	22.31	\$160.79	\$153.17	
Swan Lake, 400 MW X 3,800 MWh	4,457	\$3,095	6.142%	\$190.09	16.76	0.000%	0.00	(30.44)	0.00	16.76	(13.68)	\$206.85	\$176.41	
Swan Lake joint ownership, 100 MW X 950 MWh	580	\$3,099	6.142%	\$190.38	16.76	0.000%	0.00	(30.44)	0.00	16.76	(13.68)	\$207.14	\$176.70	
Goldendale, 1,200 MW X 16,800 MWh	580	\$2,719	6.142%	\$166.98	12.50	0.000%	0.00	(30.44)	0.00	12.50	(17.94)	\$179.48	\$149.05	
Seminole, 700 MW X 7,000 MWh	6,359	\$3,708	6.142%	\$227.79	17.00	0.000%	0.00	(30.44)	0.00	17.00	(13.44)	\$244.79	\$214.35	
Flat Canyon, 300 MW X 1,800 MWh	6,360	\$3,622	6.142%	\$222.46	17.00	0.000%	0.00	(30.44)	0.00	17.00	(13.44)	\$239.46	\$209.02	
Idaho PS1, 360 MW X 2,880 MWh	6,361	\$3,190	6.142%	\$195.96	17.00	0.000%	0.00	(30.44)	0.00	17.00	(13.44)	\$212.96	\$182.52	
CAES, 320 MW X 15,360 MWh	4,640	\$1,625	7.411%	\$120.41	7.01	0.000%	0.00	(30.28)	0.00	7.01	(23.27)	\$127.41	\$97.13	
Li-Ion 15 MW X 60 MWh	6,359	\$1,766	11.126%	\$196.44	32.63	0.000%	0.00	(25.60)	0.00	32.63	7.03	\$229.07	\$203.46	
Advanced Fission	5,000	\$6,765	6.639%	\$449.13	101.62	5.687%	5.78	0.00	0.00	107.40	101.85	\$556.53	\$550.99	
Small Modular Reactor x 12	5,000	\$6,028	6.639%	\$400.24	173.35	11.228%	19.46	(25.02)	0.00	192.82	187.27	\$593.06	\$587.51	

Supply-Side Resource Options Mid-Calendar Year 2018 Dollars (\$)	Elevation (AFSL)	Capital Cost \$/kW			Fixed Cost								
		Total Capital Cost 1/	Payment Factor 1/	Annual Payment (\$/kW- Yr)	Fixed O&M \$/kW-Yr								
					O&M 1/	Capitalized Premium	O&M Capitalized 1/	Intra-hour Flex Resource Resource Credit 2/	Gas Transportation 1/	Total without IHFRC	Total with IHFRC	Total Fixed without IHFRC (\$/kW-Yr)	Total Fixed with IHFRC (\$/kW-Yr)
Resource Description													
Brownfield Site													
Dave Johnston													
SCCT Aero x3	5,050	\$1,626	7.411%	\$120.52	31.86	1.262%	0.40	-16.58	28.22	60.48	43.89	\$181.00	\$164.41
Intercooled SCCT Aero x2	5,050	\$1,177	7.411%	\$87.27	22.82	0.273%	0.06	-18.51	26.54	49.42	30.91	\$136.69	\$118.18
SCCT Frame "F" x1	5,050	\$709	6.959%	\$49.31	15.97	1.135%	0.18	-3.47	29.98	46.12	42.66	\$95.43	\$91.97
IC Recips x 6	5,050	\$1,577	6.959%	\$109.72	29.82	0.136%	0.04	-22.44	25.31	55.17	32.73	\$164.89	\$142.44
CCCT Dry "G/H", 1x1	5,050	\$1,604	6.790%	\$108.90	24.74	0.146%	0.04	-3.77	19.90	44.68	40.91	\$153.58	\$149.81
CCCT Dry "G/H", DF, 1x1	5,050	\$429	6.790%	\$29.11	5.39	0.000%	0.00	0.00	19.90	25.29	25.29	\$54.41	\$54.41
CCCT Dry "J/HA.02", 1x1	5,050	\$1,342	6.790%	\$91.12	21.26	0.000%	0.00	-3.77	19.76	41.02	37.25	\$132.14	\$128.37
CCCT Dry "J/HA.02", DF, 1x1	5,050	\$368	6.790%	\$25.00	4.86	0.000%	0.00	0.00	19.76	24.62	24.62	\$49.62	\$49.62
												0	0
Hunter													
SCCT Aero x3	5,050	\$1,626	7.411%	\$120.52	31.86	1.262%	0.40	-16.58	14.06	46.32	29.73	\$166.84	\$150.25
Intercooled SCCT Aero x2	5,050	\$1,177	7.411%	\$87.27	22.82	0.273%	0.06	-18.51	13.22	36.10	17.59	\$123.37	\$104.86
SCCT Frame "F" x1	5,050	\$709	6.959%	\$49.31	15.97	1.135%	0.18	-3.47	14.93	31.08	27.61	\$80.39	\$76.92
IC Recips x 6	5,050	\$1,577	6.959%	\$109.72	29.82	0.136%	0.04	-22.44	12.61	42.47	20.02	\$152.18	\$129.74
CCCT Dry "G/H", 1x1	5,050	\$1,604	6.790%	\$108.90	24.74	0.146%	0.04	-3.77	9.91	34.69	30.92	\$143.59	\$139.82
CCCT Dry "G/H", DF, 1x1	5,050	\$429	6.790%	\$29.11	5.39	0.000%	0.00	0.00	9.91	15.30	15.30	\$44.42	\$44.42
CCCT Dry "J/HA.02", 1x1	5,050	\$1,342	6.790%	\$91.12	21.26	0.000%	0.00	-3.77	9.84	31.10	27.33	\$122.22	\$118.45
CCCT Dry "J/HA.02", DF, 1x1	5,050	\$368	6.790%	\$25.00	4.86	0.000%	0.00	0.00	9.84	14.70	14.70	\$39.70	\$39.70
												0	0
Huntington													
SCCT Aero x3	5,050	\$1,626	7.411%	\$120.52	31.86	1.262%	0.40	-16.58	14.06	46.32	29.73	\$166.84	\$150.25
Intercooled SCCT Aero x2	5,050	\$1,177	7.411%	\$87.27	22.82	0.273%	0.06	-18.51	13.22	36.10	17.59	\$123.37	\$104.86
SCCT Frame "F" x1	5,050	\$709	6.959%	\$49.31	15.97	1.135%	0.18	-3.47	14.93	31.08	27.61	\$80.39	\$76.92
IC Recips x 6	5,050	\$1,577	6.959%	\$109.72	29.82	0.136%	0.04	-22.44	12.61	42.47	20.02	\$152.18	\$129.74
CCCT Dry "G/H", 1x1	5,050	\$1,604	6.790%	\$108.90	24.74	0.146%	0.04	-3.77	9.91	34.69	30.92	\$143.59	\$139.82
CCCT Dry "G/H", DF, 1x1	5,050	\$429	6.790%	\$29.11	5.39	0.000%	0.00	0.00	9.91	15.30	15.30	\$44.42	\$44.42
CCCT Dry "G/H", 2x1	5,050	\$1,200	6.790%	\$81.46	16.63	0.146%	0.02	-3.77	9.93	26.58	22.81	\$108.04	\$104.27
CCCT Dry "G/H", DF, 2x1	5,050	\$337	6.790%	\$22.90	4.44	0.000%	0.00	0.00	9.93	14.37	14.37	\$37.27	\$37.27
CCCT Dry "J/HA.02", 1x1	5,050	\$1,342	6.790%	\$91.12	21.26	0.000%	0.00	-3.77	9.84	31.10	27.33	\$122.22	\$118.45
CCCT Dry "J/HA.02", DF, 1x1	5,050	\$368	6.790%	\$25.00	4.86	0.000%	0.00	0.00	9.84	14.70	14.70	\$39.70	\$39.70
												0	0
Supply-Side Resource Options Mid-Calendar Year 2018 Dollars (\$)													
Resource Description	Elevation (AFSL)	Capital Cost \$/kW			Fixed Cost								
		Total Capital Cost 1/	Payment Factor 1/	Annual Payment (\$/kW- Yr)	Fixed O&M \$/kW-Yr								
					O&M 1/	Capitalized Premium	O&M Capitalized 1/	Intra-hour Flex Resource Resource Credit 2/	Gas Transportation 1/	Total without IHFRC	Total with IHFRC	Total Fixed without IHFRC (\$/kW-Yr)	Total Fixed with IHFRC (\$/kW-Yr)
Resource Description													
Jim Bridger													
SCCT Aero x3	6,500	\$1,755	7.411%	\$130.09	34.56	1.262%	0.44	-16.58	9.13	44.13	27.54	\$174.22	\$157.63
Intercooled SCCT Aero x2	6,500	\$1,258	7.411%	\$93.20	24.00	0.273%	0.07	-18.51	8.62	32.68	14.17	\$125.88	\$107.37
SCCT Frame "F" x1	6,500	\$745	6.959%	\$51.85	16.81	1.135%	0.19	-3.47	9.70	26.70	23.24	\$78.56	\$75.09
IC Recips x 6	6,500	\$1,577	6.959%	\$109.71	31.04	0.136%	0.04	-22.44	8.24	39.33	16.88	\$149.04	\$126.60
CCCT Dry "G/H", 1x1	6,500	\$1,654	6.790%	\$112.29	26.20	0.146%	0.04	-3.77	10.29	36.53	32.76	\$148.81	\$145.04
CCCT Dry "G/H", DF, 1x1	6,500	\$429	6.790%	\$29.11	5.39	0.000%	0.00	0.00	10.29	15.68	15.68	\$44.80	\$44.80
CCCT Dry "J/HA.02", 1x1	6,500	\$1,399	6.790%	\$95.01	22.33	0.000%	0.00	-3.77	6.62	28.95	25.18	\$123.97	\$120.20
CCCT Dry "J/HA.02", DF, 1x1	6,500	\$368	6.790%	\$25.00	4.86	0.000%	0.00	0.00	6.62	11.48	11.48	\$36.48	\$36.48
												0	0
Naughton													
SCCT Aero x3	6,500	\$1,755	7.411%	\$130.09	34.56	1.262%	0.44	-16.58	14.02	49.02	32.44	\$179.11	\$162.53
Intercooled SCCT Aero x2	6,500	\$1,258	7.411%	\$93.20	24.00	0.273%	0.07	-18.51	13.24	37.31	18.80	\$130.51	\$112.00
SCCT Frame "F" x1	6,500	\$745	6.959%	\$51.85	16.81	1.135%	0.19	-3.47	14.90	31.91	28.44	\$83.76	\$80.29
IC Recips x 6	6,500	\$1,577	6.959%	\$109.71	31.04	0.136%	0.04	-22.44	12.67	43.75	21.31	\$153.47	\$131.02
CCCT Dry "J/HA.02", 1x1	6,500	\$1,399	6.790%	\$95.01	22.33	0.000%	0.00	-3.77	10.17	32.51	28.74	\$127.52	\$123.75
CCCT Dry "J/HA.02", DF, 1x1	6,500	\$368	6.790%	\$25.00	4.86	0.000%	0.00	0.00	10.17	15.03	15.03	\$40.03	\$40.03
												0	0
Wyodak													
SCCT Aero x3	6,500	\$1,755	7.411%	\$130.09	34.56	1.262%	0.44	-16.58	28.15	63.15	46.57	\$193.24	\$176.66
Intercooled SCCT Aero x2	6,500	\$1,258	7.411%	\$93.20	24.00	0.273%	0.07	-18.51	26.58	50.65	32.14	\$143.85	\$125.34
SCCT Frame "F" x1	6,500	\$745	6.959%	\$51.85	16.81	1.135%	0.19	-3.47	29.92	46.92	43.46	\$98.78	\$95.31
IC Recips x 6	6,500	\$1,577	6.959%	\$109.71	31.04	0.136%	0.04	-22.44	0.00	31.08	8.64	\$140.80	\$118.35

1/ Input into IRP SO and PAR Model

2/ Intra-hour Flex Resource Credit is informational and applied outside the IRP PAR and SO Model

Information Presented is Illustrative

Resources not Modeled in 2019 IRP

Supply-Side Resource Options Mid-Calendar Year 2018 Dollars (\$)	Elevation (AFSL)	Capital Cost \$/kW			Fixed Cost							Total Fixed without IHFRC (\$/kW-Yr)	Total Fixed with IHFRC (\$/kW-Yr)
		Total Capital Cost	Payment Factor	Annual Payment (\$/kW- Yr)	Fixed O&M \$/kW-Yr				Total without IHFRC	Total with IHFRC			
					O&M	Capitalized Premium	O&M Capitalized	Intra-hour Flex Resource Resource Credit 1/			Gas Transportation		
SCPC with CCS	4,500	\$6,462	6.726%	\$434.61	72.22	5.541%	4.00	(5.54)	0.00	76.23	70.68	\$510.84	\$505.30
IGCC with CCS	4,500	\$6,257	6.533%	\$408.75	58.20	0.000%	0.00	(5.54)	0.00	58.20	52.65	\$466.95	\$461.40
PC CCS retrofit @ 500 MW	4,500	\$1,419	6.726%	\$95.42	77.76	0.000%	0.00	(5.54)	0.00	77.76	72.21	\$173.17	\$167.63
SCPC with CCS	6,500	\$7,318	6.726%	\$492.18	67.09	0.000%	0.00	(5.54)	0.00	67.09	61.54	\$559.27	\$553.72
IGCC with CCS	6,500	\$7,085	6.533%	\$462.83	63.40	0.000%	0.00	(5.54)	0.00	63.40	57.86	\$526.23	\$520.69
PC CCS retrofit @ 500 MW	6,500	\$1,607	6.712%	\$107.84	72.22	0.000%	0.00	(5.54)	0.00	72.22	66.68	\$180.07	\$174.52
Greenfield Binary 90% CF	4,500	\$5,973	6.185%	\$369.45	103.85	0.918%	0.95	0.00	0.00	104.80	104.80	\$474.26	\$474.26
Wind + Stor, Pocatello, ID, 200 MW+ 50 MW 100 MWh	4,500	\$1,738	6.899%	\$119.87	31.83	2.902%	0.92	(7.13)	0.00	32.75	25.62	\$152.62	\$145.49
Wind + Stor, Arlington, OR, 200 MW+ 50 MW 100 MWh	1,500	\$1,765	6.899%	\$121.79	31.83	2.902%	0.92	(7.13)	0.00	32.75	25.62	\$154.54	\$147.41
Wind + Stor, Monticello, UT, 200 MW+ 50 MW 100 MWh	4,500	\$1,735	6.899%	\$119.71	31.83	2.902%	0.92	(7.13)	0.00	32.75	25.62	\$152.46	\$145.33
Wind + Stor, Medicine Bow, WY, 200 MW+ 50 MW 100 MWh	6,500	\$1,730	6.899%	\$119.32	31.83	2.902%	0.92	(7.13)	0.00	32.75	25.62	\$152.07	\$144.94
Wind + Stor, Goldendale, WA, 200 MW+ 50 MW 100 MWh	1,500	\$1,772	6.899%	\$122.24	31.83	2.902%	0.92	(7.13)	0.00	32.75	25.62	\$154.98	\$147.85
Wind + Stor, Pocatello, ID, 200 MW+ 50 MW 400 MWh	4,500	\$2,158	6.899%	\$148.85	41.59	2.902%	1.21	(7.31)	0.00	42.80	35.49	\$191.65	\$184.34
Wind + Stor, Arlington, OR, 200 MW+ 50 MW 400 MWh	1,500	\$2,214	6.899%	\$152.75	41.59	2.902%	1.21	(7.31)	0.00	42.80	35.49	\$195.55	\$188.25
Wind + Stor, Monticello, UT, 200 MW+ 50 MW 400 MWh	4,500	\$2,155	6.899%	\$148.69	41.59	2.902%	1.21	(7.31)	0.00	42.80	35.49	\$191.49	\$184.19
Wind + Stor, Medicine Bow, WY, 200 MW+ 50 MW 400 MWh	6,500	\$2,150	6.899%	\$148.30	41.59	2.902%	1.21	(7.31)	0.00	42.80	35.49	\$191.11	\$183.80
Wind + Stor, Goldendale, WA, 200 MW+ 50 MW 400 MWh	1,500	\$2,221	6.899%	\$153.22	41.59	2.902%	1.21	(7.31)	0.00	42.80	35.49	\$196.02	\$188.71
PV Idaho Falls, ID, 50 MW, 28.1% CF (30% ITC)	4,500	\$1,366	7.712%	\$105.31	21.72	1.379%	0.30	(1.22)	0.00	22.02	20.80	\$127.33	\$126.12
PV Lakeview, OR, 50 MW, 2021, 29.7% CF (30% ITC)	4,800	\$1,424	7.712%	\$109.83	22.35	1.379%	0.31	(1.22)	0.00	22.66	21.44	\$132.48	\$131.27
PV Milford, UT, 50 MW, 2021, 32.5% CF (30% ITC)	4,500	\$1,363	7.712%	\$105.12	22.32	1.379%	0.31	(1.22)	0.00	22.63	21.41	\$127.75	\$126.53
PV Rock Springs, WY, 50 MW, 2021, 30.1% CF (30% ITC)	4,800	\$1,360	7.712%	\$104.91	21.13	1.379%	0.29	(1.22)	0.00	21.42	20.20	\$126.34	\$125.12
PV Yakima, WA, 50 MW, 2021, 26% CF (30% ITC)	4,801	\$1,422	7.712%	\$109.66	22.35	1.379%	0.31	(1.22)	0.00	22.66	21.44	\$132.31	\$131.10
PV Idaho Falls, ID, 50 MW, 2026, 28.1% CF (10% ITC)	4,802	\$1,366	7.712%	\$105.31	21.72	1.379%	0.30	(1.22)	0.00	22.02	20.80	\$127.33	\$126.12
PV Lakeview, OR, 50 MW, 2026, 29.7% CF (10% ITC)	4,802	\$1,424	7.712%	\$109.83	22.35	1.379%	0.31	(1.22)	0.00	22.66	21.44	\$132.48	\$131.27
PV Milford, UT, 50 MW, 2026, 32.5% CF (10% ITC)	4,802	\$1,363	7.712%	\$105.12	22.32	1.379%	0.31	(1.22)	0.00	22.63	21.41	\$127.75	\$126.53
PV Rock Springs, WY, 50 MW, 2026, 30.1% CF (10% ITC)	4,802	\$1,360	7.712%	\$104.91	21.13	1.379%	0.29	(1.22)	0.00	21.42	20.20	\$126.34	\$125.12
PV Yakima, WA, 50 MW, 2026, 26% CF (10% ITC)	4,802	\$1,422	7.712%	\$109.66	22.35	1.379%	0.31	(1.22)	0.00	22.66	21.44	\$132.31	\$131.10
PV + Stor, Idaho Falls, ID, 50 MW + 10 MW X 20 MWh (30% ITC)	4,802	\$1,628	7.712%	\$125.57	25.60	1.379%	0.35	(6.22)	0.00	25.95	19.73	\$151.52	\$145.30
PV + Stor, Idaho Falls, ID, 200 MW + 50 MW X 100 MWh (30% ITC)	4,802	\$1,470	7.712%	\$113.34	25.56	1.379%	0.35	(7.47)	0.00	25.91	18.44	\$139.24	\$131.77
PV + Stor, Idaho Falls, ID, 50 MW + 10 MW X 40 MWh (30% ITC)	4,802	\$1,756	7.712%	\$135.46	29.26	1.379%	0.40	(6.34)	0.00	29.66	23.32	\$165.12	\$158.78
PV + Stor, Idaho Falls, ID, 50 MW + 10 MW X 80 MWh (30% ITC)	4,802	\$1,992	7.712%	\$153.67	34.91	1.379%	0.48	(6.36)	0.00	35.39	29.03	\$189.06	\$182.70
PV + Stor, Idaho Falls, ID, 200 MW + 50 MW X 400 MWh (30% ITC)	4,802	\$1,897	7.712%	\$146.31	35.92	1.379%	0.50	(7.65)	0.00	36.42	28.77	\$182.73	\$175.08
PV + Stor, Lakeview, OR, 50 MW + 10 MW X 20 MWh (30% ITC)	4,802	\$1,706	7.712%	\$131.56	25.60	1.379%	0.35	(6.22)	0.00	25.95	19.73	\$157.51	\$151.29
PV + Stor, Lakeview, OR, 200 MW + 50 MW X 100 MWh (30% ITC)	4,802	\$1,543	7.712%	\$119.00	25.56	1.379%	0.35	(7.47)	0.00	25.91	18.44	\$144.91	\$137.44
PV + Stor, Lakeview, OR, 50 MW + 10 MW X 40 MWh (30% ITC)	4,802	\$1,844	7.712%	\$142.22	29.26	1.379%	0.40	(6.34)	0.00	29.66	23.32	\$171.88	\$165.54
PV + Stor, Lakeview, OR, 50 MW + 10 MW X 80 MWh (30% ITC)	4,802	\$2,098	7.712%	\$161.83	34.91	1.379%	0.48	(6.36)	0.00	35.39	29.03	\$197.23	\$190.87
PV + Stor, Lakeview, OR, 200 MW + 50 MW X 400 MWh (30% ITC)	4,802	\$2,004	7.712%	\$154.52	35.92	1.379%	0.50	(7.65)	0.00	36.42	28.77	\$190.94	\$183.29
PV + Stor, Milford, UT, 50 MW + 10 MW X 20 MWh (30% ITC)	4,802	\$1,626	7.712%	\$125.37	25.60	1.379%	0.35	(6.22)	0.00	25.95	19.73	\$151.32	\$145.10
PV + Stor, Milford, UT, 200 MW + 50 MW X 100 MWh (30% ITC)	4,802	\$1,467	7.712%	\$113.14	25.56	1.379%	0.35	(7.47)	0.00	25.91	18.44	\$139.05	\$131.58
PV + Stor, Milford, UT 50 MW + 10 MW X 40 MWh (30% ITC)	4,802	\$1,754	7.712%	\$135.27	29.26	1.379%	0.40	(6.34)	0.00	29.66	23.32	\$164.93	\$158.59
PV + Stor, Milford, UT, 50 MW + 10 MW X 80 MWh (30% ITC)	4,802	\$1,990	7.712%	\$153.48	34.91	1.379%	0.48	(6.36)	0.00	35.39	29.03	\$188.87	\$182.51
PV + Stor, Milford, UT, 200 MW + 50 MW X 400 MWh (30% ITC)	4,802	\$1,895	7.712%	\$146.11	35.92	1.379%	0.50	(7.65)	0.00	36.42	28.77	\$182.53	\$174.88
PV + Stor, Rock Springs, WY, 50 MW + 10 MW X 20 MWh (30% ITC)	4,802	\$1,623	7.712%	\$125.17	25.60	1.379%	0.35	(6.22)	0.00	25.95	19.73	\$151.12	\$144.90
PV + Stor, Rock Springs, WY, 200 MW + 50 MW X 100 MWh (30% ITC)	4,802	\$1,464	7.712%	\$112.94	25.56	1.379%	0.35	(7.47)	0.00	25.91	18.44	\$138.84	\$131.37
PV + Stor, Rock Springs, WY, 50 MW + 10 MW X 40 MWh (30% ITC)	4,802	\$1,751	7.712%	\$135.06	29.26	1.379%	0.40	(6.34)	0.00	29.66	23.32	\$164.72	\$158.38
PV + Stor, Rock Springs, WY, 50 MW + 10 MW X 80 MWh (30% ITC)	4,802	\$1,987	7.712%	\$153.27	34.91	1.379%	0.48	(6.36)	0.00	35.39	29.03	\$188.66	\$182.30
PV + Stor, Rock Springs, WY, 200 MW + 50 MW X 400 MWh (30% ITC)	4,802	\$1,892	7.712%	\$145.91	35.92	1.379%	0.50	(7.65)	0.00	36.42	28.77	\$182.33	\$174.68
PV + Stor, Yakima, WA, 50 MW + 10 MW X 20 MWh (30% ITC)	4,802	\$1,704	7.712%	\$131.40	25.60	1.379%	0.35	(6.22)	0.00	25.95	19.73	\$157.36	\$151.14
PV + Stor, Yakima, WA, 200 MW + 50 MW X 100 MWh (30% ITC)	4,802	\$1,541	7.712%	\$118.85	25.56	1.379%	0.35	(7.47)	0.00	25.91	18.44	\$144.75	\$137.28
PV + Stor, Yakima, WA, 50 MW + 10 MW X 40 MWh (30% ITC)	4,802	\$1,842	7.712%	\$142.07	29.26	1.379%	0.40	(6.34)	0.00	29.66	23.32	\$171.73	\$165.39
PV + Stor, Yakima, WA, 50 MW + 10 MW X 80 MWh (30% ITC)	4,802	\$2,097	7.712%	\$161.70	34.91	1.379%	0.48	(6.36)	0.00	35.39	29.03	\$197.10	\$190.73
PV + Stor, Yakima, WA, 200 MW + 50 MW X 400 MWh (30% ITC)	4,802	\$2,002	7.712%	\$154.39	35.92	1.379%	0.50	(7.65)	0.00	36.42	28.77	\$190.81	\$183.16
Li-Ion 1 MW X 250 kWh	6,359	\$1,473	11.126%	\$163.90	9.29	0.000%	0.00	0.00	0.00	9.29	9.29	\$173.19	\$173.19
Li-Ion 1 MW X 2 MWh	6,359	\$2,615	11.126%	\$290.96	34.56	0.000%	0.00	(25.02)	0.00	34.56	9.54	\$325.52	\$300.50
Li-Ion 1 MW X 4 MWh	6,359	\$3,412	11.126%	\$379.58	56.23	0.000%	0.00	(25.60)	0.00	56.23	30.63	\$435.82	\$410.22
Li-Ion 1 MW X 8 MWh	6,359	\$5,455	11.126%	\$606.91	94.09	0.000%	0.00	(25.73)	0.00	94.09	68.36	\$701.00	\$675.27
Flow 1 MW X 6 MWh	6,360	\$3,996	11.126%	\$444.59	32.00	0.000%	0.00	(27.24)	0.00	32.00	4.76	\$476.59	\$449.35

Supply-Side Resource Options Mid-Calendar Year 2018 Dollars (\$)	Convert to Mills											Variable Costs (\$/MWh)					Total Costs and Credits (\$/MWh)				
	Elevation (AFSL)	Capacity Factor 3/	Total Fixed without IHFRC (\$/MWh)	Total Fixed with IHFRC (\$/MWh)	Storage Efficiency	Levelized Fuel		O&M 1/	Capitalized Premium	O&M Capitalized 1/	Integration Cost 1/	Environmental	Total Resource Cost without IHFRC	Total Resource Cost with IHFRC	Credits		Total Resource Cost without IHFRC - and PTC / ITC Credits	Total Resource Cost with IHFRC and PTC / ITC Credits			
						e/mmBtu	\$/MWh								PTC Tax Credits / ITC (Solar Only)						
Resource Description																					
SCCT Aero x3, ISO	0	33%	60.80	55.06	na	320	29.73	7.54	11.48%	0.87	-	-	98.93	93.20	-	98.93	93.20				
Intercooled SCCT Aero x2, ISO	0	33%	44.91	38.51	na	320	27.96	5.05	13.23%	0.67	-	-	78.59	72.19	-	78.59	72.19				
SCCT Frame "F" x1, ISO	0	33%	33.27	32.07	na	320	31.44	5.50	11.48%	0.63	-	-	70.84	69.64	-	70.84	69.64				
IC Recips x 6, ISO	0	33%	63.74	55.98	na	320	26.51	7.45	8.73%	0.65	-	-	98.35	90.58	-	98.35	90.58				
CCCT Dry "G/H", 1x1, ISO	0	78%	21.05	20.50	na	320	21.94	1.76	10.21%	0.18	-	-	44.93	44.38	-	44.93	44.38				
CCCT Dry "G/H", DF, 1x1, ISO	0	12%	58.42	58.42	na	320	21.94	0.15	0.00%	0.00	-	-	80.52	80.52	-	80.52	80.52				
CCCT Dry "G/H", 2x1, ISO	0	78%	16.01	15.46	na	320	21.99	1.67	10.79%	0.18	-	-	39.85	39.30	-	39.85	39.30				
CCCT Dry "G/H", DF, 2x1, ISO	0	12%	50.24	50.24	na	320	21.99	0.16	0.00%	0.00	-	-	72.38	72.38	-	72.38	72.38				
CCCT Dry "J/HA.02", 1x1, ISO	0	78%	18.10	17.55	na	320	21.75	1.70	10.21%	0.17	-	-	41.72	41.17	-	41.72	41.17				
CCCT Dry "J/HA.02", DF, 1x1, ISO	0	12%	53.17	53.17	na	320	21.75	0.16	0.00%	0.00	-	-	75.07	75.07	-	75.07	75.07				
CCCT Dry, "J/HA.02" 2X1, ISO	0	78%	13.93	13.38	na	320	21.75	1.62	10.79%	0.17	-	-	37.47	36.92	-	37.47	36.92				
CCCT Dry "J/HA.02", DF, 2X1, ISO	0	12%	46.48	46.48	na	320	21.75	0.16	0.00%	0.00	-	-	68.39	68.39	-	68.39	68.39				
SCCT Aero x3	1500	33%	62.12	56.38	na	320	29.57	7.76	11.48%	0.89	-	-	100.34	94.61	-	100.34	94.61				
Intercooled SCCT Aero x2	1500	33%	46.55	40.14	na	320	27.84	5.35	13.23%	0.71	-	-	80.45	74.04	-	80.45	74.04				
SCCT Frame "F" x1	1500	33%	34.40	33.20	na	320	31.38	5.81	11.48%	0.67	-	-	72.25	71.05	-	72.25	71.05				
IC Recips x 6	1500	33%	63.74	55.98	na	320	26.51	7.45	8.73%	0.65	-	-	98.35	90.58	-	98.35	90.58				
CCCT Dry "G/H", 1x1	1500	78%	22.02	21.47	na	320	21.75	1.86	10.21%	0.19	-	-	45.82	45.27	-	45.82	45.27				
CCCT Dry "G/H", DF, 1x1	1500	12%	58.23	58.23	na	320	21.75	0.15	0.00%	0.00	-	-	80.14	80.14	-	80.14	80.14				
CCCT Dry "G/H", 2x1	1500	78%	16.69	16.14	na	320	21.79	1.77	10.79%	0.19	-	-	40.44	39.89	-	40.44	39.89				
CCCT Dry "G/H", DF, 2x1	1500	12%	50.04	50.04	na	320	21.79	0.16	0.00%	0.00	-	-	71.98	71.98	-	71.98	71.98				
CCCT Dry "J/HA.02", 1x1	1500	78%	18.92	18.37	na	320	21.57	1.80	10.21%	0.18	-	-	42.48	41.92	-	42.48	41.92				
CCCT Dry "J/HA.02", DF, 1x1	1500	12%	52.99	52.99	na	320	21.57	0.16	0.00%	0.00	-	-	74.71	74.71	-	74.71	74.71				
CCCT Dry, "J/HA.02" 2X1	1500	78%	14.51	13.96	na	320	21.57	1.71	10.79%	0.18	-	-	37.98	37.43	-	37.98	37.43				
CCCT Dry "J/HA.02", DF, 2X1	1500	12%	46.30	46.30	na	320	21.57	0.16	0.00%	0.00	-	-	68.03	68.03	-	68.03	68.03				
SCCT Aero x3	3000	33%	59.90	54.16	na	324	29.90	8.21	11.48%	0.94	-	-	98.95	93.22	-	98.95	93.22				
Intercooled SCCT Aero x2	3000	33%	43.82	37.42	na	324	28.14	5.67	13.23%	0.75	-	-	78.38	71.98	-	78.38	71.98				
SCCT Frame "F" x1	3000	33%	30.23	29.03	na	324	31.74	6.13	11.48%	0.70	-	-	68.80	67.60	-	68.80	67.60				
IC Recips x 6	3000	33%	59.14	51.38	na	324	26.80	7.45	8.73%	0.65	-	-	94.04	86.27	-	94.04	86.27				
CCCT Dry "G/H", 1x1	3000	78%	23.07	22.52	na	324	21.90	1.97	10.21%	0.20	-	-	47.14	46.59	-	47.14	46.59				
CCCT Dry "G/H", DF, 1x1	3000	12%	58.15	58.15	na	324	21.90	0.15	0.00%	0.00	-	-	80.20	80.20	-	80.20	80.20				
CCCT Dry "G/H", 2x1	3000	78%	15.85	15.29	na	324	21.94	1.86	10.79%	0.20	-	-	39.86	39.30	-	39.86	39.30				
CCCT Dry "G/H", DF, 2x1	3000	12%	39.60	39.60	na	324	21.94	0.16	0.00%	0.00	-	-	61.70	61.70	-	61.70	61.70				
CCCT Dry "J/HA.02", 1x1	3000	78%	18.23	17.68	na	324	21.67	1.90	10.21%	0.19	-	-	42.00	41.44	-	42.00	41.44				
CCCT Dry "J/HA.02", DF, 1x1	3000	12%	42.62	42.62	na	324	21.67	0.16	0.00%	0.00	-	-	64.44	64.44	-	64.44	64.44				
CCCT Dry, "J/HA.02" 2X1	3000	78%	13.56	13.01	na	324	21.67	1.81	10.79%	0.19	-	-	37.24	36.69	-	37.24	36.69				
CCCT Dry "J/HA.02", DF, 2X1	3000	12%	35.94	35.94	na	324	21.67	0.16	0.00%	0.00	-	-	57.77	57.77	-	57.77	57.77				
Supply-Side Resource Options Mid-Calendar Year 2018 Dollars (\$)	Convert to Mills											Variable Costs (\$/MWh)					Total Costs and Credits (\$/MWh)				
Elevation (AFSL)	Capacity Factor 3/	Total Fixed without IHFRC (\$/MWh)	Total Fixed with IHFRC (\$/MWh)	Storage Efficiency	Levelized Fuel		O&M 1/	Capitalized Premium	O&M Capitalized 1/	Integration Cost 1/	Environmental	Total Resource Cost without IHFRC	Total Resource Cost with IHFRC	Credits		Total Resource Cost without IHFRC - and PTC / ITC Credits	Total Resource Cost with IHFRC and PTC / ITC Credits				
					e/mmBtu	\$/MWh								PTC Tax Credits / ITC (Solar Only)							
Resource Description																					
SCCT Aero x3	5050	33%	62.92	57.19	na	327	30.14	8.85	11.48%	1.02	-	-	102.93	97.19	-	102.93	97.19				
Intercooled SCCT Aero x2	5050	33%	45.95	39.55	na	327	28.35	6.14	13.23%	0.81	-	-	81.25	74.85	-	81.25	74.85				
SCCT Frame "F" x1	5050	33%	31.05	29.85	na	327	32.02	6.61	11.48%	0.76	-	-	70.45	69.25	-	70.45	69.25				
IC Recips x 6	5050	33%	58.26	50.49	na	327	27.04	7.45	8.73%	0.65	-	-	93.40	85.63	-	93.40	85.63				
CCCT Dry "G/H", 1x1	5050	78%	22.84	22.29	na	327	21.26	2.12	10.21%	0.22	-	-	46.45	45.89	-	46.45	45.89				
CCCT Dry "G/H", DF, 1x1	5050	12%	45.43	45.43	na	327	21.26	0.15	0.00%	0.00	-	-	66.85	66.85	-	66.85	66.85				
CCCT Dry "G/H", 2x1	5050	78%	16.78	16.23	na	327	21.29	2.01	10.79%	0.22	-	-	40.30	39.75	-	40.30	39.75				
CCCT Dry "G/H", DF, 2x1	5050	12%	37.21	37.21	na	327	21.29	0.16	0.00%	0.00	-	-	58.66	58.66	-	58.66	58.66				
CCCT Dry "J/HA.02", 1x1	5050	78%	19.31	18.76	na	327	21.11	2.05	10.21%	0.21	-	-	42.68	42.12	-	42.68	42.12				
CCCT Dry "J/HA.02", DF, 1x1	5050	12%	40.31	40.31	na	327	21.11	0.16	0.00%	0.00	-	-	61.57	61.57	-	61.57	61.57				
CCCT Dry, "J/HA.02" 2X1	5050	78%	14.29	13.73	na	327	21.13	1.95	10.79%	0.21	-	-	37.57	37.02	-	37.57	37.02				
CCCT Dry "J/HA.02", DF, 2X1	5050	12%	33.63	33.63	na	327	21.13	0.16	0.00%	0.00	-	-	54.91	54.91	-	54.91	54.91				
SCCT Aero x3	6500	33%	65.89	60.15	na	320	29.50	9.60	11.48%	1.10	-	-	106.09	100.35	-	106.09	100.35				
Intercooled SCCT Aero x2	6500	33%	47.04	40.64	na	320	27.85	6.45	13.23%	0.85	-	-	82.20	75.80	-	82.20	75.80				
SCCT Frame "F" x1	6500	33%	30.59	29.39	na	320	31.35	6.96	11.48%	0.80	-	-	69.69	68.49	-	69.69	68.49				
IC Recips x 6	6500	33%	57.17	49.41	na	320	26.65	7.75	8.73%	0.68	-	-	92.25	84.49	-	92.25	84.49				
CCCT Dry "G/H", 1x1	6500	78%	25.18	24.63	na	320	21.64	2.25	10.21%	0.23	-	-	49.31	48.75	-	49.31	48.75				
CCCT Dry "G/H", DF, 1x1	6500	12%	55.65	55.65	na	320	21.64	0.15	0.00%	0.00	-	-	77.45	77.45	-	77.45	77.45				
CCCT Dry "G/H", 2x1	6500	78%	16.78	16.23	na	320	21.69	2.13	10.79%	0.23	-	-	40.84	40.28	-	40.84	40.28				
CCCT Dry "G/H", DF, 2x1	6500	12%	34.15	34.15	na	320	21.69	0.16	0.00%	0.00	-	-	56.00	56.00	-	56.00	56.00				
CCCT Dry "J/HA.02", 1x1	6500	78%	19.63	19.08	na	320	21.40	2.15	10.21%	0.22	-	-	43.39	42.84	-	43.39	42.84				
CCCT Dry "J/HA.02", DF, 1x1	6500	12%	37.24	37.24	na	320	21.40	0.16	0.00%	0.00	-	-	58.80	58.80	-	58.80	58.80				
CCCT Dry, "J/HA.02" 2X1	6500	78%	14.33	13.78	na	320	21.40	2.05	10.79%	0.22	-	-	38.00	37.44	-	38.00	37.44				
CCCT Dry "J/HA.02", DF, 2X1	6500	12%	30.56	30.56	na	320	21.40	0.16	0.00%	0.00	-	-	52.12	52.12	-	52.12	52.12				

Resource Description	Convert to Mills					Variable Costs (\$/MWh)					Total Costs and Credits (\$/MWh)							
	Elevation (AFSL)	Capacity Factor 3/	Total Fixed without IHFRC (\$/MWh)	Total Fixed with IHFRC (\$/MWh)	Storage Efficiency	Levelized Fuel		O&M 1/	Capitalized Premium	O&M Capitalized 1/	Integration Cost 1/	Environmental	Total Resource Cost without IHFRC	Total Resource Cost with IHFRC	Credits		Total Resource Cost without IHFRC - and PTC / ITC Credits	Total Resource Cost with IHFRC and PTC / ITC Credits
						c/mmBtu	\$/MWh								PTC Tax Credits / ITC (Solar Only)	Total Resource Cost without IHFRC - and PTC / ITC Credits		
Blundell Dual Flash 90% CF	4500	90%	13.26	13.26	na	0	-	1.16	0.00%	0.00	-	-	14.42	14.42	(15.55)	(1.14)	(1.14)	
Generic Geothermal PPA 90% CF	4500	90%	-	-	na	0	-	77.34	0.00%	0.00	-	-	77.34	77.34	-	-	77.34	
3.6 MW Wind turbine 37.1% CF WA, 2020 (100% PTC)	4500	37%	37.61	37.34	na	0	-	0.00	0.00%	0.00	0.93	-	38.54	38.27	(15.55)	-	22.98	
3.6 MW Wind turbine 37.1% CF OR, 2020 (100% PTC)	1500	37%	37.17	36.90	na	0	-	0.00	0.00%	0.00	0.93	-	38.10	37.83	(15.55)	-	22.28	
3.6 MW Wind turbine 37.1% CF ID, 2020 (100% PTC)	4500	37%	37.70	37.43	na	0	-	0.00	0.00%	0.00	0.93	-	38.63	38.36	(15.55)	-	22.80	
3.6 MW Wind turbine 29.5% CF UT, 2020 (100% PTC)	6500	30%	45.89	45.55	na	0	-	0.00	0.00%	0.00	0.93	-	46.82	46.48	(15.55)	-	30.93	
3.6 MW Wind turbine 43.6% CF WY, 2020 (100% PTC)	1500	44%	31.05	30.82	na	0	-	0.65	0.00%	0.00	0.93	-	32.63	32.40	(15.55)	-	16.85	
2.0 MW Wind turbine 37.1% CF WA, 2023 (40% PTC)	4500	37%	37.61	37.34	na	0	-	0.00	0.00%	0.00	0.93	-	38.54	38.27	(6.22)	-	32.05	
2.0 MW Wind turbine 37.1% CF OR, 2023 (40% PTC)	1500	37%	37.17	36.90	na	0	-	0.00	0.00%	0.00	0.93	-	38.10	37.83	(6.22)	-	31.61	
2.0 MW Wind turbine 37.1% CF ID, 2023 (40% PTC)	4500	37%	37.70	37.43	na	0	-	0.00	0.00%	0.00	0.93	-	38.63	38.36	(6.22)	-	32.14	
2.0 MW Wind turbine 29.5% CF UT, 2023 (40% PTC)	6500	30%	45.89	45.55	na	0	-	0.00	0.00%	0.00	0.93	-	46.82	46.48	(6.22)	-	40.26	
3.3 MW Wind turbine 43.6% CF WY, 2023 (40% PTC)	1500	44%	31.05	30.82	na	0	-	0.65	0.00%	0.00	0.93	-	32.63	32.40	(6.22)	-	26.18	
Wind + Stor, Pocatello, ID, 200 MW+ 50 MW 200 MWh	4500	37%	51.03	48.79	88%	0	-	0.00	0.00%	0.00	0.93	-	51.96	49.72	(6.22)	-	43.50	
Wind + Stor, Arlington, OR, 200 MW+ 50 MW 200 MWh	1500	37%	51.83	49.59	88%	0	-	0.00	0.00%	0.00	0.93	-	52.76	50.52	(6.22)	-	44.30	
Wind + Stor, Monticello, UT, 200 MW+ 50 MW 200 MWh	4500	30%	64.12	61.30	88%	0	-	0.00	0.00%	0.00	0.93	-	65.04	62.23	(6.22)	-	56.01	
Wind + Stor, Medicine Bow, WY, 200 MW+ 50 MW 200 MWh	6500	44%	43.28	41.37	88%	0	-	0.65	0.00%	0.00	0.93	-	44.86	42.95	(6.22)	-	36.73	
Wind + Stor, Goldendale, WA, 200 MW+ 50 MW 200 MWh	1500	37%	51.97	49.73	88%	0	-	0.00	0.00%	0.00	0.93	-	52.90	50.66	(6.22)	-	44.44	
PV Idaho Falls, ID, 200 MW, 2021, 28.1% CF (30% ITC)	4700	28%	48.77	48.27	na	0	-	0.00	0.00%	0.00	0.70	-	49.47	48.98	(13.57)	-	35.41	
PV Lakeview, OR, 200 MW, 2021, 29.7% CF (30% ITC)	4800	30%	48.12	47.65	na	0	-	0.00	0.00%	0.00	0.70	-	48.82	48.35	(13.43)	-	34.93	
PV Milford, UT, 200 MW, 2021, 32.5% CF (30% ITC)	5000	33%	42.31	41.88	na	0	-	0.00	0.00%	0.00	0.70	-	43.01	42.59	(11.71)	-	30.88	
PV Rock Springs, WY, 200 MW, 2021, 30.1% CF (30% ITC)	6400	30%	45.15	44.69	na	0	-	0.00	0.00%	0.00	0.70	-	45.85	45.39	(12.61)	-	32.78	
PV Yakima, WA, 200 MW, 2021, 26% CF (30% ITC)	1000	26%	54.89	54.36	na	0	-	0.00	0.00%	0.00	0.70	-	55.60	55.06	(15.31)	-	39.75	
PV Idaho Falls, ID, 200 MW, 2026, 28.1% CF (10% ITC)	4700	28%	48.77	48.27	na	0	-	0.00	0.00%	0.00	0.70	-	49.47	48.98	(4.97)	-	44.01	
PV Lakeview, OR, 200 MW, 2026, 29.7% CF (10% ITC)	4800	30%	48.12	47.65	na	0	-	0.00	0.00%	0.00	0.70	-	48.82	48.35	(4.92)	-	43.44	
PV Milford, UT, 200 MW, 2026, 32.5% CF (10% ITC)	5000	33%	42.31	41.88	na	0	-	0.00	0.00%	0.00	0.70	-	43.01	42.59	(4.29)	-	38.30	
PV Rock Springs, WY, 200 MW, 2026, 30.1% CF (10% ITC)	6400	30%	45.15	44.69	na	0	-	0.00	0.00%	0.00	0.70	-	45.85	45.39	(4.62)	-	40.77	
PV Yakima, WA, 200 MW, 2026, 26% CF (10% ITC)	1000	26%	54.89	54.36	na	0	-	0.00	0.00%	0.00	0.70	-	55.60	55.06	(5.61)	-	49.45	
PV + Stor, Idaho Falls, ID, 200 MW + 50 MW X 200 MWh (30% ITC)	4700	28%	62.73	59.63	88%	0	-	0.00	0.00%	0.00	0.70	-	63.43	60.34	(17.25)	-	43.09	
PV + Stor, Lakeview, OR, 200 MW + 50 MW X 200 MWh (30% ITC)	4800	30%	61.86	58.93	88%	0	-	0.00	0.00%	0.00	0.70	-	62.56	59.63	(17.07)	-	42.56	
PV + Stor, Milford, UT, 200 MW + 50 MW X 200 MWh (30% ITC)	5000	33%	54.17	51.49	88%	0	-	0.00	0.00%	0.00	0.70	-	54.87	52.19	(14.88)	-	37.31	
PV + Stor, Rock Springs, WY, 200 MW + 50 MW X 200 MWh (30% ITC)	6400	30%	58.41	55.52	88%	0	-	0.00	0.00%	0.00	0.70	-	59.11	56.22	(16.04)	-	40.19	
PV + Stor, Yakima, WA, 200 MW + 50 MW X 200 MWh (30% ITC)	1000	26%	70.60	67.25	88%	0	-	0.00	0.00%	0.00	0.70	-	71.30	67.95	(19.47)	-	48.49	
PV + Stor, Idaho Falls, ID, 200 MW + 50 MW X 200 MWh (10% ITC)	4700	28%	62.73	59.63	88%	0	-	0.00	0.00%	0.00	0.70	-	63.43	60.34	(6.32)	-	54.02	
PV + Stor, Lakeview, OR, 200 MW + 50 MW X 200 MWh (10% ITC)	4800	30%	61.86	58.93	88%	0	-	0.00	0.00%	0.00	0.70	-	62.56	59.63	(6.25)	-	53.38	
PV + Stor, Milford, UT, 200 MW + 50 MW X 200 MWh (10% ITC)	5000	33%	54.17	51.49	88%	0	-	0.00	0.00%	0.00	0.70	-	54.87	52.19	(5.45)	-	46.74	
PV + Stor, Rock Springs, WY, 200 MW + 50 MW X 200 MWh (10% ITC)	6400	30%	58.41	55.52	88%	0	-	0.00	0.00%	0.00	0.70	-	59.11	56.22	(5.87)	-	50.35	
PV + Stor, Yakima, WA, 200 MW + 50 MW X 200 MWh (10% ITC)	1000	26%	70.60	67.25	88%	0	-	0.00	0.00%	0.00	0.70	-	71.30	67.95	(7.13)	-	60.82	
Swan Lake, 400 MW X 3,800 MWh	4457	36%	65.59	55.94	79%	324	27.44	0.00	0.00%	0.00	-	-	93.03	83.38	-	-	83.38	
Swan Lake joint ownership, 100 MW X 950 MWh	4457	36%	65.59	55.94	79%	324	27.44	0.00	0.00%	0.00	-	-	93.12	83.47	-	-	83.47	
Goldendale, 1,200 MW X 16,800 MWh	500	36%	56.91	47.26	79%	320	27.13	0.00	0.00%	0.00	-	-	84.05	74.39	-	-	74.39	
Seminole, 700 MW X 7,000 MWh	580	36%	77.62	67.97	79%	320	27.14	0.00	0.00%	0.00	-	-	104.76	95.11	-	-	95.11	
Flat Canyon, 300 MW X 1,800 MWh	6359	36%	75.93	66.28	79%	327	27.67	0.00	0.00%	0.00	-	-	103.60	93.94	-	-	93.94	
Idaho PS1, 360 MW X 2,880 MWh	5000	36%	67.53	57.88	79%	327	27.67	0.00	0.00%	0.00	-	-	95.19	85.54	-	-	85.54	
CAES, 320 MW X 15,360 MWh	4600	72%	20.20	15.40	55%	327	25.12	0.00	0.00%	0.00	-	-	45.32	40.52	-	-	40.52	
Li-Ion 15 MW X 60 MWh	0	17%	156.89	139.36	88%	327	0.00	0.00	0.00%	0.00	-	-	156.90	139.36	-	-	139.36	
Advanced Fission	5000	86%	74.25	73.51	na	0	-	11.75	0.00%	0.00	-	-	86.00	85.26	-	-	85.26	
Small Modular Reactor x 12	5000	86%	79.12	78.38	na	0	-	15.50	0.00%	0.00	-	-	94.62	93.88	-	-	93.88	

Resource Description	Convert to Mills					Variable Costs (\$/MWh)					Total Costs and Credits (\$/MWh)							
	Elevation (AFSL)	Capacity Factor 3/	Total Fixed without IHFRC (\$/MWh)	Total Fixed with IHFRC (\$/MWh)	Storage Efficiency	Levelized Fuel		O&M 1/	Capitalized Premium	O&M Capitalized 1/	Integration Cost 1/	Environmental	Total Resource Cost without IHFRC	Total Resource Cost with IHFRC	Credits		Total Resource Cost without IHFRC - and PTC / ITC Credits	Total Resource Cost with IHFRC and PTC / ITC Credits
						c/mmBtu	\$/MWh								PTC Tax Credits / ITC (Solar Only)			
Supply-Side Resource Options Mid-Calendar Year 2018 Dollars (\$)																		
Brownfield Site																		
Dave Johnston																		
SCCT Aero x3	5050	33%	62.61	56.87	na	320	29.50	8.85	11.48%	1.02	-	-	101.97	96.24	-	101.97	96.24	
Intercooled SCCT Aero x2	5050	33%	47.28	40.88	na	320	27.74	6.14	13.23%	0.81	-	-	81.98	75.57	-	81.98	75.57	
SCCT Frame "F" x1	5050	33%	33.01	31.81	na	320	31.34	6.61	11.48%	0.76	-	-	71.72	70.52	-	71.72	70.52	
IC Recips x 6	5050	33%	57.04	49.27	na	320	26.46	7.45	8.73%	0.65	-	-	91.60	83.84	-	91.60	83.84	
CCCT Dry "G/H", 1x1	5050	78%	22.48	21.93	na	320	20.81	2.12	10.21%	0.22	-	-	45.63	45.07	-	45.63	45.07	
CCCT Dry "G/H", DF, 1x1	5050	12%	51.76	51.76	na	320	20.81	0.15	0.00%	0.00	-	-	72.72	72.72	-	72.72	72.72	
CCCT Dry "J/HA.02", 1x1	5050	78%	19.34	18.79	na	320	20.66	2.05	10.21%	0.21	-	-	42.25	41.70	-	42.25	41.70	
CCCT Dry "J/HA.02", DF, 1x1	5050	12%	47.20	47.20	na	320	20.66	0.16	0.00%	0.00	-	-	68.02	68.02	-	68.02	68.02	
Hunter																		
SCCT Aero x3	5050	33%	57.71	51.98	na	327	30.22	8.85	11.48%	1.02	-	-	97.80	92.06	-	97.80	92.06	
Intercooled SCCT Aero x2	5050	33%	42.68	36.27	na	327	28.42	6.14	13.23%	0.81	-	-	78.05	71.65	-	78.05	71.65	
SCCT Frame "F" x1	5050	33%	27.81	26.61	na	327	32.11	6.61	11.48%	0.76	-	-	67.29	66.09	-	67.29	66.09	
IC Recips x 6	5050	33%	52.64	44.88	na	327	27.11	7.45	8.73%	0.65	-	-	87.85	80.09	-	87.85	80.09	
CCCT Dry "G/H", 1x1	5050	78%	21.02	20.46	na	327	21.32	2.12	10.21%	0.22	-	-	44.67	44.12	-	44.67	44.12	
CCCT Dry "G/H", DF, 1x1	5050	12%	42.25	42.25	na	327	21.32	0.15	0.00%	0.00	-	-	63.73	63.73	-	63.73	63.73	
CCCT Dry "G/H", 2x1	5050	78%	15.81	15.26	na	327	21.35	2.01	10.79%	0.22	-	-	39.39	38.84	-	39.39	38.84	
CCCT Dry "G/H", DF, 2x1	5050	12%	35.45	35.45	na	327	21.35	0.16	0.00%	0.00	-	-	56.96	56.96	-	56.96	56.96	
CCCT Dry "J/HA.02", 1x1	5050	78%	17.89	17.34	na	327	21.17	2.05	10.21%	0.21	-	-	41.31	40.76	-	41.31	40.76	
CCCT Dry "J/HA.02", DF, 1x1	5050	12%	37.77	37.77	na	327	21.17	0.16	0.00%	0.00	-	-	59.09	59.09	-	59.09	59.09	
Huntington																		
SCCT Aero x3	5050	33%	57.71	51.98	na	327	30.22	8.85	11.48%	1.02	-	-	97.80	92.06	-	97.80	92.06	
Intercooled SCCT Aero x2	5050	33%	42.68	36.27	na	327	28.42	6.14	13.23%	0.81	-	-	78.05	71.65	-	78.05	71.65	
SCCT Frame "F" x1	5050	33%	27.81	26.61	na	327	32.11	6.61	11.48%	0.76	-	-	67.29	66.09	-	67.29	66.09	
IC Recips x 6	5050	33%	52.64	44.88	na	327	27.11	7.45	8.73%	0.65	-	-	87.85	80.09	-	87.85	80.09	
CCCT Dry "G/H", 1x1	5050	78%	21.02	20.46	na	327	21.32	2.12	10.21%	0.22	-	-	44.67	44.12	-	44.67	44.12	
CCCT Dry "G/H", DF, 1x1	5050	12%	42.25	42.25	na	327	21.32	0.15	0.00%	0.00	-	-	63.73	63.73	-	63.73	63.73	
CCCT Dry "G/H", 2x1	5050	78%	15.81	15.26	na	327	21.35	2.01	10.79%	0.22	-	-	39.39	38.84	-	39.39	38.84	
CCCT Dry "G/H", DF, 2x1	5050	12%	35.45	35.45	na	327	21.35	0.16	0.00%	0.00	-	-	56.96	56.96	-	56.96	56.96	
CCCT Dry "J/HA.02", 1x1	5050	78%	17.89	17.34	na	327	21.17	2.05	10.21%	0.21	-	-	41.31	40.76	-	41.31	40.76	
CCCT Dry "J/HA.02", DF, 1x1	5050	12%	37.77	37.77	na	327	21.17	0.16	0.00%	0.00	-	-	59.09	59.09	-	59.09	59.09	
Supply-Side Resource Options Mid-Calendar Year 2018 Dollars (\$)																		
Jim Bridger																		
SCCT Aero x3	6500	33%	60.27	54.53	na	321	29.57	9.60	11.48%	1.10	-	-	100.54	94.80	-	100.54	94.80	
Intercooled SCCT Aero x2	6500	33%	43.55	37.14	na	321	27.92	6.45	13.23%	0.85	-	-	78.77	72.37	-	78.77	72.37	
SCCT Frame "F" x1	6500	33%	27.17	25.97	na	321	31.43	6.96	11.48%	0.80	-	-	66.36	65.17	-	66.36	65.17	
IC Recips x 6	6500	33%	51.56	43.79	na	321	26.72	7.75	8.73%	0.68	-	-	86.71	78.94	-	86.71	78.94	
CCCT Dry "G/H", 1x1	6500	78%	21.78	21.23	na	321	21.70	2.25	10.21%	0.23	-	-	45.96	45.41	-	45.96	45.41	
CCCT Dry "G/H", DF, 1x1	6500	12%	42.61	42.61	na	321	21.70	0.15	0.00%	0.00	-	-	64.47	64.47	-	64.47	64.47	
CCCT Dry "J/HA.02", 1x1	6500	78%	18.14	17.59	na	321	21.45	2.15	10.21%	0.22	-	-	41.97	41.41	-	41.97	41.41	
CCCT Dry "J/HA.02", DF, 1x1	6500	12%	34.70	34.70	na	321	21.45	0.16	0.00%	0.00	-	-	56.31	56.31	-	56.31	56.31	
Naughton																		
SCCT Aero x3	6500	33%	61.96	56.22	na	327	30.16	9.60	11.48%	1.10	-	-	102.82	97.08	-	102.82	97.08	
Intercooled SCCT Aero x2	6500	33%	45.15	38.74	na	327	28.47	6.45	13.23%	0.85	-	-	80.92	74.52	-	80.92	74.52	
SCCT Frame "F" x1	6500	33%	28.98	27.78	na	327	32.05	6.96	11.48%	0.80	-	-	68.78	67.58	-	68.78	67.58	
IC Recips x 6	6500	33%	53.09	45.32	na	327	27.24	7.75	8.73%	0.68	-	-	88.76	81.00	-	88.76	81.00	
CCCT Dry "J/HA.02", 1x1	6500	78%	18.66	18.11	na	327	21.88	2.15	10.21%	0.22	-	-	42.91	42.36	-	42.91	42.36	
CCCT Dry "J/HA.02", DF, 1x1	6500	12%	38.08	38.08	na	327	21.88	0.16	0.00%	0.00	-	-	60.11	60.11	-	60.11	60.11	
Wyodak																		
SCCT Aero x3	6500	33%	66.85	61.11	na	323	29.71	9.60	11.48%	1.10	-	-	107.26	101.53	-	107.26	101.53	
Intercooled SCCT Aero x2	6500	33%	49.76	43.36	na	323	28.05	6.45	13.23%	0.85	-	-	85.12	78.72	-	85.12	78.72	
SCCT Frame "F" x1	6500	33%	34.71	32.97	na	323	31.58	6.96	11.48%	0.80	-	-	73.51	72.31	-	73.51	72.31	
IC Recips x 6	6500	33%	48.71	40.94	na	323	26.85	7.75	8.73%	0.68	-	-	83.98	76.22	-	83.98	76.22	

1/ Input into IRP SO and PAR Model

2/ Intra-hour Flex Resource Credit is informational and applied outside the IRP SO and PAR Model

3/ Wind and solar shapes are input into IRP SO and PAR Model

NC = Not Calculated

Information Presented is Illustrative

Resources not Modeled in 2019 IRP

Resource Description	Convert to Mills							Variable Costs (\$/MWh)					Total Costs and Credits (\$/MWh)					
	Elevation (AESL)	Capacity Factor	Total Fixed without IHFRC (\$/MWh)	Total Fixed with IHFRC (\$/MWh)	Storage Efficiency	Levelized Fuel		O&M	Capitalized Premium	O&M Capitalized	Integration Cost	Environmental	Total Resource Cost without IHFRC	Total Resource Cost with IHFRC	Credits		Total Resource Cost without IHFRC and PTC / ITC Credits	Total Resource Cost with IHFRC and PTC / ITC Credits
						¢/mmBtu	\$/MWh								PTC Tax Credits / ITC (Solar Only)	Total Resource Cost without IHFRC and PTC / ITC Credits		
SCPC with CCS	4500	90%	64.62	63.91	na	178	23.30	7.00	0.00%	0.00	-	-	94.91	94.21	-	-	94.91	94.21
IGCC with CCS	4500	86%	62.30	61.56	na	178	19.27	11.77	11.52%	1.36	-	-	94.69	93.95	-	-	94.69	93.95
PC CCS retrofit @ 500 MW	4500	90%	21.90	21.20	na	178	25.58	6.47	0.00%	0.00	-	-	NC	NC	-	-	NC	NC
SCPC with CCS	6500	90%	70.74	70.04	na	0	-	7.58	0.00%	0.00	-	-	NC	NC	-	-	NC	NC
IGCC with CCS	6500	86%	70.21	69.47	na	0	-	14.11	0.00%	0.00	-	-	NC	NC	-	-	NC	NC
PC CCS retrofit @ 500 MW	6500	90%	22.78	22.08	na	0	-	7.00	0.00%	0.00	-	-	NC	NC	-	-	NC	NC
Greenfield Binary 90% CF	4500	90%	59.99	59.99	na	0	-	1.16	0.00%	0.00	-	-	61.15	61.15	(15.55)	-	45.60	45.60
Wind + Stor, Pocatello, ID, 200 MW + 50 MW 100 MWh	4500	37%	46.96	44.77	88%	0	-	0.00	0.00%	0.00	0.93	-	47.89	45.70	(6.22)	-	41.67	39.47
Wind + Stor, Arlington, OR, 200 MW + 50 MW 100 MWh	1500	37%	47.55	45.36	88%	0	-	0.00	0.00%	0.00	0.93	-	48.48	46.29	(6.22)	-	42.26	40.07
Wind + Stor, Monticello, UT, 200 MW + 50 MW 100 MWh	4500	30%	59.00	56.24	88%	0	-	0.00	0.00%	0.00	0.93	-	59.93	57.17	(6.22)	-	53.71	50.95
Wind + Stor, Medicine Bow, WY, 200 MW + 50 MW 100 MWh	6500	44%	39.82	37.95	88%	0	-	0.65	0.00%	0.00	0.93	-	41.40	39.53	(6.22)	-	35.17	33.31
Wind + Stor, Goldendale, WA, 200 MW + 50 MW 100 MWh	1500	37%	47.69	45.49	88%	0	-	0.00	0.00%	0.00	0.93	-	48.62	46.42	(6.22)	-	42.40	40.20
Wind + Stor, Pocatello, ID, 200 MW + 50 MW 400 MWh	4500	37%	58.97	56.72	88%	0	-	0.00	0.00%	0.00	0.93	-	59.90	57.65	(6.22)	-	53.68	51.43
Wind + Stor, Arlington, OR, 200 MW + 50 MW 400 MWh	1500	37%	60.17	57.92	88%	0	-	0.00	0.00%	0.00	0.93	-	61.10	58.85	(6.22)	-	54.88	52.63
Wind + Stor, Monticello, UT, 200 MW + 50 MW 400 MWh	4500	30%	74.10	71.27	88%	0	-	0.00	0.00%	0.00	0.93	-	75.03	72.20	(6.22)	-	68.81	65.98
Wind + Stor, Medicine Bow, WY, 200 MW + 50 MW 400 MWh	6500	44%	50.04	48.12	88%	0	-	0.65	0.00%	0.00	0.93	-	51.62	49.70	(6.22)	-	45.39	43.48
Wind + Stor, Goldendale, WA, 200 MW + 50 MW 400 MWh	1500	37%	60.31	58.07	88%	0	-	0.00	0.00%	0.00	0.93	-	61.24	59.00	(6.22)	-	55.02	52.77
PV Idaho Falls, ID, 50 MW, 28.1% CF (30% ITC)	4700	28%	51.73	51.23	na	0	-	0.00	0.00%	0.00	0.70	-	52.43	51.94	(14.58)	-	37.86	37.36
PV Lakeview, OR, 50 MW, 2021, 29.7% CF (30% ITC)	4800	30%	50.92	50.45	na	0	-	0.00	0.00%	0.00	0.70	-	51.63	51.16	(14.38)	-	37.24	36.78
PV Milford, UT, 50 MW, 2021, 32.5% CF (30% ITC)	5000	33%	44.87	44.44	na	0	-	0.00	0.00%	0.00	0.70	-	45.58	45.15	(12.58)	-	32.99	32.57
PV Rock Springs, WY, 50 MW, 2021, 30.1% CF (30% ITC)	6400	30%	47.91	47.45	na	0	-	0.00	0.00%	0.00	0.70	-	48.62	48.16	(13.56)	-	35.06	34.60
PV Yakima, WA, 50 MW, 2021, 26% CF (30% ITC)	1000	26%	58.09	57.56	na	0	-	0.00	0.00%	0.00	0.70	-	58.80	58.26	(16.40)	-	42.39	41.86
PV Idaho Falls, ID, 50 MW, 2026, 28.1% CF (10% ITC)	4700	28%	51.73	51.23	na	0	-	0.00	0.00%	0.00	0.70	-	52.43	51.94	(5.34)	-	47.09	46.60
PV Lakeview, OR, 50 MW, 2026, 29.7% CF (10% ITC)	4800	30%	50.92	50.45	na	0	-	0.00	0.00%	0.00	0.70	-	51.63	51.16	(5.27)	-	46.36	45.89
PV Milford, UT, 50 MW, 2026, 32.5% CF (10% ITC)	5000	33%	44.87	44.44	na	0	-	0.00	0.00%	0.00	0.70	-	45.58	45.15	(4.61)	-	40.97	40.54
PV Rock Springs, WY, 50 MW, 2026, 30.1% CF (10% ITC)	6400	30%	47.91	47.45	na	0	-	0.00	0.00%	0.00	0.70	-	48.62	48.16	(4.96)	-	43.65	43.19
PV Yakima, WA, 50 MW, 2026, 26% CF (10% ITC)	1000	26%	58.09	57.56	na	0	-	0.00	0.00%	0.00	0.70	-	58.80	58.26	(6.01)	-	52.79	52.26
PV + Stor, Idaho Falls, ID, 50 MW + 10 MW X 20 MWh (30% ITC)	4700	28%	61.55	59.03	88%	0	-	0.00	0.00%	0.00	0.70	-	62.26	59.73	(18.53)	-	43.73	41.20
PV + Stor, Idaho Falls, ID, 200 MW + 50 MW X 100 MWh (30% ITC)	4700	28%	56.57	53.53	88%	0	-	0.00	0.00%	0.00	0.70	-	57.27	54.24	(17.25)	-	40.02	36.99
PV + Stor, Idaho Falls, ID, 50 MW + 10 MW X 40 MWh (30% ITC)	4700	28%	67.08	64.50	88%	0	-	0.00	0.00%	0.00	0.70	-	67.78	65.21	(18.53)	-	49.25	46.68
PV + Stor, Idaho Falls, ID, 50 MW + 10 MW X 80 MWh (30% ITC)	4700	28%	76.81	74.22	88%	0	-	0.00	0.00%	0.00	0.70	-	77.51	74.92	(18.53)	-	58.98	56.39
PV + Stor, Idaho Falls, ID, 200 MW + 50 MW X 400 MWh (30% ITC)	4700	28%	74.23	71.12	88%	0	-	0.00	0.00%	0.00	0.70	-	74.94	71.83	(17.25)	-	57.69	54.58
PV + Stor, Lakeview, OR, 50 MW + 10 MW X 20 MWh (30% ITC)	4800	30%	60.54	58.15	88%	0	-	0.00	0.00%	0.00	0.70	-	61.24	58.85	(18.28)	-	42.96	40.57
PV + Stor, Lakeview, OR, 200 MW + 50 MW X 100 MWh (30% ITC)	4800	30%	55.70	52.83	88%	0	-	0.00	0.00%	0.00	0.70	-	56.40	53.53	(17.07)	-	39.33	36.46
PV + Stor, Lakeview, OR, 50 MW + 10 MW X 40 MWh (30% ITC)	4800	30%	66.06	63.63	88%	0	-	0.00	0.00%	0.00	0.70	-	66.77	64.33	(18.28)	-	48.48	46.05
PV + Stor, Lakeview, OR, 50 MW + 10 MW X 80 MWh (30% ITC)	4800	30%	75.81	73.36	88%	0	-	0.00	0.00%	0.00	0.70	-	76.51	74.06	(18.28)	-	58.23	55.78
PV + Stor, Lakeview, OR, 200 MW + 50 MW X 400 MWh (30% ITC)	4800	30%	73.39	70.45	88%	0	-	0.00	0.00%	0.00	0.70	-	74.09	71.15	(17.07)	-	57.02	54.08
PV + Stor, Milford, UT, 50 MW + 10 MW X 20 MWh (30% ITC)	5000	33%	53.15	50.97	88%	0	-	0.00	0.00%	0.00	0.70	-	53.86	51.67	(15.99)	-	37.86	35.68
PV + Stor, Milford, UT, 200 MW + 50 MW X 100 MWh (30% ITC)	5000	33%	48.84	46.22	88%	0	-	0.00	0.00%	0.00	0.70	-	49.54	46.92	(14.88)	-	34.66	32.04
PV + Stor, Milford, UT, 50 MW + 10 MW X 40 MWh (30% ITC)	5000	33%	57.93	55.70	88%	0	-	0.00	0.00%	0.00	0.70	-	58.63	56.41	(15.99)	-	42.64	40.41
PV + Stor, Milford, UT, 50 MW + 10 MW X 80 MWh (30% ITC)	5000	33%	66.34	64.10	88%	0	-	0.00	0.00%	0.00	0.70	-	67.04	64.81	(15.99)	-	51.05	48.82
PV + Stor, Milford, UT, 200 MW + 50 MW X 400 MWh (30% ITC)	5000	33%	64.11	61.43	88%	0	-	0.00	0.00%	0.00	0.70	-	64.82	62.13	(14.88)	-	49.93	47.25
PV + Stor, Rock Springs, WY, 50 MW + 10 MW X 20 MWh (30% ITC)	6400	30%	57.31	54.95	88%	0	-	0.00	0.00%	0.00	0.70	-	58.01	55.66	(17.23)	-	40.78	38.42
PV + Stor, Rock Springs, WY, 200 MW + 50 MW X 100 MWh (30% ITC)	6400	30%	52.66	49.82	88%	0	-	0.00	0.00%	0.00	0.70	-	53.36	50.53	(16.04)	-	37.32	34.49
PV + Stor, Rock Springs, WY, 50 MW + 10 MW X 40 MWh (30% ITC)	6400	30%	62.47	60.07	88%	0	-	0.00	0.00%	0.00	0.70	-	63.17	60.77	(17.23)	-	45.94	43.54
PV + Stor, Rock Springs, WY, 50 MW + 10 MW X 80 MWh (30% ITC)	6400	30%	71.55	69.14	88%	0	-	0.00	0.00%	0.00	0.70	-	72.25	69.84	(17.23)	-	55.02	52.61
PV + Stor, Rock Springs, WY, 200 MW + 50 MW X 400 MWh (30% ITC)	6400	30%	69.15	66.25	88%	0	-	0.00	0.00%	0.00	0.70	-	69.85	66.95	(16.04)	-	53.81	50.91
PV + Stor, Yakima, WA, 50 MW + 10 MW X 20 MWh (30% ITC)	1000	26%	69.09	66.36	88%	0	-	0.00	0.00%	0.00	0.70	-	69.79	67.06	(20.85)	-	48.94	46.21
PV + Stor, Yakima, WA, 200 MW + 50 MW X 100 MWh (30% ITC)	1000	26%	63.56	60.28	88%	0	-	0.00	0.00%	0.00	0.70	-	64.26	60.98	(19.47)	-	44.79	41.51
PV + Stor, Yakima, WA, 50 MW + 10 MW X 40 MWh (30% ITC)	1000	26%	75.40	72.62	88%	0	-	0.00	0.00%	0.00	0.70	-	76.10	73.32	(20.85)	-	55.25	52.47
PV + Stor, Yakima, WA, 50 MW + 10 MW X 80 MWh (30% ITC)	1000	26%	86.54	83.74	88%	0	-	0.00	0.00%	0.00	0.70	-	87.24	84.45	(20.85)	-	66.39	63.59
PV + Stor, Yakima, WA, 200 MW + 50 MW X 400 MWh (30% ITC)	1000	26%	83.78	80.42	88%	0	-	0.00	0.00%	0.00	0.70	-	84.48	81.12	(19.47)	-	65.01	61.66
Li-Ion 1 MW X 250 kWh	0	1%	1,897.95	1,897.95	88%	327	0.00	0.00	0.00%	0.00	-	-	1,897.96	1,897.96	-	-	1,897.96	1,897.96
Li-Ion 1 MW X 2 MWh	0	8%	445.92	411.64	88%	327	0.00	0.00	0.00%	0.00	-	-	445.92	411.65	-	-	445.92	411.65
Li-Ion 1 MW X 4 MWh	0	17%	298.51	280.97	88%	327	0.00	0.00	0.00%	0.00	-	-	298.51	280.97	-	-	298.51	280.97
Li-Ion 1 MW X 8 MWh	0	33%	240.07	231.26	88%	327	0.00	0.00	0.00%	0.00	-	-	240.07	231.26	-	-	240.07	231.26
Flow 1 MW X 6 MWh	0	25%	217.62	205.18	65%	327	0.00	0.00	0.00%	0.00	-	-	217.62	205.18	-	-	217.62	205.18