

Line No	Plant/Type col. (a)	Contribution Ratio (1) col. (c)	Installed Cost (\$/kW) (2) col. (d)	Operation and Maintenance (\$/kW) (3) col. (e)	Fixed charge (\$/kW) (d) x Prod FCR without O&M (4) or if PP (d) x 1.0 col. (f)	Cost of providing reactive supply services (\$/kW) (5) col. (g)	Weighted Annual Cost (\$/kW) ((f)+(e)-(g)) x (c) col. (h)
1	Arapahoe	1.9%	25.31	73.76	3.25	0.06	1.49
2	Cherokee	6.9%	548.55	33.39	70.49	0.22	7.17
3	Comanche	9.0%	926.12	16.30	119.00	0.29	12.14
4	Craig	0.0%			0.00	0.00	0.00
5	Hayden	2.2%	540.01	18.50	69.39	0.07	1.92
6	Pawnee	9.4%	1,050.93	25.61	135.04	0.30	15.05
7	Valmont 5	2.5%	718.79	43.22	92.34	0.08	3.34
8	Zuni	0.0%			0.00	0.00	0.00
9	Alamosa	0.0%			0.00	0.00	0.00
10	Fort Lupton	0.3%	115.44	0.98	14.83	0.01	0.04
11	Fruita	0.0%			0.00	0.00	0.00
12	Valmont 6	0.0%	127.60	0.91	19.40	0.00	0.01
13	Fort St. Vrain 1-4	25.5%	476.38	8.20	61.20	0.82	17.46
14	Fort St. Vrain 5-6	2.0%	586.00	1.21	75.30	0.07	1.55
15	Blue Spruce	5.5%	545.09	2.82	70.04	0.18	4.02
16	Rocky Mountain	23.4%	560.29	13.68	71.99	0.76	19.90
17	Cabin Creek	6.1%	196.99	9.94	25.31	0.20	2.15
18	Brush Cogeneration Partners (Brush 1&3) PP	0.3%	74.58	0.00	74.58	0.01	0.20
19	Brush Cogeneration Partners (Brush 4) PP	0.4%	72.82	0.00	72.82	0.01	0.31
20	Colorado Energy Management LLC (Manch) PP	1.9%	64.25	0.00	64.25	0.06	1.24
21	Plains End LLC PP	1.4%	97.60	0.00	97.60	0.05	1.39
22	Spindle Hill PP	1.2%	71.36	0.00	71.36	0.04	0.83
23							
24							
25		100.0%				Total Reg/LF cost (\$/kW)	90.21
26						losses	0.00%
27						Annual Cost (\$/MW)	90,213
28							
29	Required Capacity (1)	Load	Non-VER	VER			
30	Divisor	79.88	19.17	46.57			
31	Reserve obligation (Line 29/ Line 30)	6,268	7,883	2,251			
32	Rate (\$/kW/Yr)	1.27%	0.24%	2.07%			
33	Monthly (\$/kW/Mo)	\$ 1.15	\$ 0.22	\$ 1.87			
34	Weekly (\$/kW/Wk)	\$ 0.096	\$ 0.018	\$ 0.156			
35	Daily On Peak (\$/MW/Day)	\$ 0.022	\$ 0.004	\$ 0.036			
36	Daily Off Peak (\$/MW/Day)	\$ 3.685	\$ 0.703	\$ 5.982			
37	Hourly On Peak (\$/MW/hr)	\$ 3.158	\$ 0.603	\$ 5.127			
38	Hourly Off Peak (\$/MW/hr)	\$ 0.230	\$ 0.044	\$ 0.374			
39	Network Integrated Delivery(\$/kW/Mo)	\$ 0.132	\$ 0.025	\$ 0.214			
40	Ancillary Service Delivery(\$/kW/Mo)	\$ 0.096	\$ 0.018	\$ 0.156			

Note:  
(1) Fixed value that cannot change without a Section 205 or 206 filing.  
(2) WP\_Installed Cost, Column (g).  
(3) WP\_O&M Cost, Column (l).  
(4) WP\_FCR Line 21 minus Line 1.

Line No	Plant/Type col. (a)	Contribution Ratio (1) col. (b)	col. (c)	Installed Cost (\$/kW) col. (d)	Operation and Maintenance (\$/kW) col. (e)	Fixed charge (\$/kW) (d) x Prod FCR without O&M (4) or if PP (d) x 1.0 col. (f)	Cost of providing reactive supply services (\$/kW) col. (g)	Weighted Annual Cost (\$/kW) ((f)+(e)-(g)) x (c) col. (h)
1	Arapahoe	1.2%		25.31	73.76	3.25	0.04	0.92
2	Cherokee	2.8%		548.55	33.39	70.49	0.09	2.95
3	Comanche	3.0%		926.12	16.30	119.00	0.10	3.99
4	Craig	0.0%			25.92		0.00	0.00
5	Hayden	0.6%		540.01	18.50	69.39	0.02	0.52
6	Pawnee	1.4%		1,050.93	25.61	135.04	0.05	2.23
7	Valmont 5	1.0%		718.79	43.22	92.36	0.03	1.35
8	Zuni	0.0%			28.60		0.00	0.00
9	Alamosa	0.9%		170.88	5.57	21.96	0.03	0.24
10	Fort Lupton	2.5%		115.44	0.98	14.83	0.08	0.39
11	Fruita	0.7%		130.48	2.21	16.77	0.02	0.13
12	Valmont 6	1.2%		127.60	0.91	16.40	0.04	0.20
13	Fort St. Vrain 1-4	7.3%		476.38	8.20	61.21	0.24	5.05
14	Fort St. Vrain 5-6	13.3%		586.00	1.21	75.30	0.43	10.09
15	Blue Spruce	11.2%		545.09	2.82	70.04	0.36	8.13
16	Rocky Mountain	8.1%		560.29	13.68	71.99	0.26	6.89
17	Cabin Creek	6.2%			9.94	25.31	0.20	2.17
18	Brush Cogeneration Partners (Brush 1&3) PP	4.0%		196.99	0.00	74.58	0.21	2.99
19	Brush Cogeneration Partners (Brush 4) PP	6.5%			0.00	72.82	0.21	4.72
20	Colorado Energy Management LLC (Manch) PP	12.2%			0.00	64.25	0.40	7.82
21	Plains End LLC PP	5.2%			0.00	97.60	0.17	5.03
22	Spindle Hill PP	10.8%			0.00	71.36	0.35	7.70
23								
24								
25		100.00%						73.51
26								0.00%
27								73,510
28								
29	Required Capacity (2)		411					
30	Wind Nameplate		2,168					
31	Reserve obligation (Line 29 / Line 30)		18.96%					
32	Rate (\$/kW/Yr)	\$	13.94					
33	Monthly (\$/kW/Mo)	\$	1.161					
34	Weekly (\$/kW/Wk)	\$	0.268					
35	Daily On Peak (\$/MW/Day)	\$	44.666	74.5829863				
36	Daily Off Peak (\$/MW/Day)	\$	38.285	72.8219781				
37	Hourly On Peak (\$/MW/hr)	\$	2.792					
38	Hourly Off Peak (\$/MW/hr)	\$	1.595					
39	Network Integrated Delivery(\$/kW/Mo)	\$	1.161					
40	Ancillary Service Delivery(\$/kW/Mo)	\$	1.161					

Note:

- (1) Fixed value that cannot change without a Section 205 or 206 filing.
- (2) WP\_Installed Cost, Column (g).
- (3) WP\_O&M Cost, Column (l).
- (4) WP\_FCR Line 21 minus Line 1.

Line No	Plant col. (a)	Fuel Expense (\$) (1) col. (b)	Generation (kwh) (2) col. (c)	Fuel Expense (\$/kwh) (b) / (c) col. (d)	Name Plate (MW) (3) (4) col. (e)	Cumulative Name Plate capacity (MW) col. (f)	Production Investment (\$/KW) (5) col. (g)	Plant factor (c)/(e)/8760/1000 col. (h)
1	Arapahoe	18,871,063	729,088,000	0.0259	159	159	25	0.5251
2	Cherokee	84,768,204	2,873,768,000	0.0295	676	835	549	0.4851
3	Comanche	139,731,869	7,239,127,000	0.0193	1,635	2,470	926	0.5053
4	Craig	7,464,888	423,549,000	0.0176	87	2,557	1,118	0.5564
5	Hayden	41,420,664	1,604,619,000	0.0258	465	3,022	540	0.3936
6	Pawnee	48,146,150	3,093,582,000	0.0156	552	3,575	1,051	0.6394
7	Valmont 5	31,226,601	994,359,000	0.0314	192	3,766	719	0.5922
8	Zuni	186,314	580,000	0.3212	75	3,841	400	0.0009
9	Alamosa	1,098,755	9,964,000	0.1103	53	3,895	171	0.0213
10	Fort Lupton	638,412	6,099,000	0.1047	101	3,995	115	0.0069
11	Fruita	127,350	302,000	0.4217	27	4,022	130	0.0013
12	Valmont 6	137,141	1,502,000	0.0913	59	4,081	128	0.0029
13	Fort St. Vrain 1-4	126,407,326	3,021,674,000	0.0418	868	4,949	476	0.3975
14	Fort St. Vrain 5-6	0	157,549,000	0.0000	281	5,230	586	0.0641
15	Blue Spruce	16,450,976	296,973,000	0.0554	398	5,627	545	0.0852
16	Rocky Mountain	61,156,096	1,776,958,000	0.0344	685	6,313	560	0.2961
17	Cabin Creek	45	274,905,000	0.0000	300	6,613	197	0.1046
18	Brush Cogeneration Partners (Brush 1&3) PP	140,234	17,659,000	0.0079	73	6,686	75	0.0276
19	Brush Cogeneration Partners (Brush 4) PP	5,136,823	59,690,000	0.0861	137	6,823	73	0.0497
20	Colorado Energy Management LLC (Manch) PP	26,615,664	450,118,000	0.0591	258	7,081	64	0.1992
21	Plains End LLC PP	10,253,460	145,709,000	0.0704	219	7,300	98	0.0760
22	Spindle Hill PP	36,592,653	514,806,000	0.0711	278	7,578	71	0.2114
							1442.037	

Note:

- (1) FERC Form No. 1 Pages 402-406, Line 20
- (2) FERC Form No. 1 Page 326, Column (g), and Page 402 - 406, Line 12
- (3) FERC Form No. 1 Page 326, Column (g) and Page 402 - 406, Line 5.
- (4) For purchased Power the Name Plate capacity is the amount of the purchase and the Production Investment is the demand charge divided by  
The cost per kw/year is the Production Investment times 1.0. 83.38314403  
98.25976923
- (5) FERC Form No. 1 Pages 402-406, Line 18.
- (6) Craig is operated by Tri-State 74.5829863

Line No	Plant	Name Plate (MW) (1) (2)	Production Expenses: Oper, Supv, & Engr (\$) (3)	Coolants and Water (Nuclear Plants Only) (\$) (4)	Steam Expenses (\$) (5)	Electric Expenses (\$) (6)	Misc Steam (or Nuclear) Power Expenses (\$) (7)	Rents (\$) (8)	Maintenance of Structures (\$) (9)	Maintenance of Misc Steam (or Nuclear) Plant (\$) (10)	Total Expenses (\$) sum(c):(j)	Total (\$/kW) (k)/(b)/1000
	col. (a)	col. (b)	col. (c)	col. (d)	col. (e)	col. (f)	col. (g)	col. (h)	col. (i)	col. (j)	col. (k)	col. (l)
1	Arapahoe	159	265,804	0	1,364,685	1,705,555	3,191,326	806,635	656,716	3,700,960	11,691,681	73.76
2	Cherokee	676	964,764	0	7,132,997	1,726,746	4,440,523	1,342,884	2,948,463	4,023,102	22,579,479	33.39
3	Comanche	1,635	1,503,365	0	15,705,481	1,037,410	1,106,615	2,096,013	1,886,372	3,322,364	26,657,620	16.30
4	Craig	87	142,548	0	644,154	260,440	512,498	439	208,870	483,372	2,252,321	25.92
5	Hayden	465	1,056,308	0	2,066,678	410,633	1,542,936	725,885	1,607,449	1,200,402	8,610,291	18.50
6	Pawnee	552	177,394	0	3,529,982	1,316,885	4,004,733	1,243,584	937,010	2,935,114	14,144,702	25.61
7	Valmont 5	192	64,096	0	2,713,506	1,097,067	1,859,886	795,698	422,145	1,332,893	8,285,291	43.22
8	Zuni	75	161,172	0	1,307,153	22,706	(171,878)	218,818	314,158	292,522	2,144,651	28.60
9	Alamosa	53	111	0	0	58,371	33,904	17,646	78,943	107,880	296,855	5.57
10	Fort Lupton	101	1,342	0	0	585	37,500	9,274	50,002	0	98,703	0.98
11	Fruita	27	0	0	0	2,093	4,578	9,687	42,590	0	58,948	2.21
12	Valmont 6	59	0	0	0	21,736	9,958	13,627	8,787	0	54,108	0.91
13	Fort St. Vrain 1-4	868	797,819	0	0	2,518,995	727,075	896,013	1,078,988	1,099,460	7,118,350	8.20
14	Fort St. Vrain 5-6	281	37,893	0	0	119,755	34,564	49,334	46,867	49,972	338,385	1.21
15	Blue Spruce	398	15,142	0	0	6,015	766,073	104,315	227,065	2,780	1,121,390	2.82
16	Rocky Mountain	685	740,070	0	0	225,596	5,010,709	718,820	1,962,209	711,900	9,369,304	13.68
17	Cabin Creek	300	246,393	0	953,207	5,246	767,111	234,463	636,001	140,492	2,982,913	9.94
18	Brush Cogeneration Partners (Brush 1&3) PP	73	0	0	0	0	0	0	0	0	0	0.00
19	Brush Cogeneration Partners (Brush 4) PP	137	0	0	0	0	0	0	0	0	0	0.00
20	Colorado Energy Management LLC (Manch) PP	258	0	0	0	0	0	0	0	0	0	0.00
21	Plains End LLC PP	219	0	0	0	0	0	0	0	0	0	0.00
22	Spindle Hill PP	278	0	0	0	0	0	0	0	0	0	0.00

Note:

- (1) FERC Form No. 1 Page 326, Column (g) and Page 402 - 406, Line 5.
- (2) For purchased Power the Name Plate capacity is the amount of the purchase and the Production Investment is the demand charge divided by the Name Plate.
- (3) FERC Form No. 1 Pages 402-406, Line 19
- (4) FERC Form No. 1 Pages 402-406, Line 21
- (5) FERC Form No. 1 Pages 402-406, Line 22
- (6) FERC Form No. 1 Pages 402-406, Line 25
- (7) FERC Form No. 1 Pages 402-406, Line 26
- (8) FERC Form No. 1 Pages 402-406, Line 27
- (9) FERC Form No. 1 Pages 402-406, Line 30
- (10) FERC Form No. 1 Pages 402-406, Line 33
- (11) Craig is operated by Tri-State

Line No	Plant col. (a)	Name Plate	Percent of Name Plate col. (c)	Reactive Power		
		(MW) (1) col. (b)		Revenue Requirement (c) * Line 36 col. (d)	Reactive Power \$/MW/Year (d) / (b) col. (e)	Reactive Power \$/KW/Year (e) / 1000 col. (f)
1	Arapahoe	159	0.0237	510,801	3,223	3.222718
2	Cherokee	676	0.1012	2,179,363	3,223	3.222718
3	Comanche	1,635	0.2446	5,270,110	3,223	3.222718
4	Craig	87	0.0130	280,054	3,223	3.222718
5	Hayden	465	0.0696	1,499,821	3,223	3.222718
6	Pawnee	552	0.0826	1,779,907	3,223	3.222718
7	Valmont 5	192	0.0287	617,731	3,223	3.222718
8	Zuni	75	0.0112	241,704	3,223	3.222718
9	Alamosa	53	0.0080	171,706	3,223	3.222718
10	Fort Lupton	101	0.0151	324,850	3,223	3.222718
11	Fruita	27	0.0040	85,853	3,223	3.222718
12	Valmont 6	59	0.0089	191,107	3,223	3.222718
13	Fort St. Vrain 1-4	868	0.1298	2,796,836	3,223	3.222718
14	Fort St. Vrain 5-6	281	0.0420	903,972	3,223	3.222718
15	Blue Spruce	398	0.0595	1,281,997	3,223	3.222718
16	Rocky Mountain	685	0.1025	2,207,884	3,223	3.222718
17	Shoshone	300	0.0449	966,815	3,223	3.222718
18	Cabin Creek	73	0.0109	235,258	3,223	3.222718
19						
20	Total (2)	6,686	1.0000	21,545,770		

Note:

- (1) FERC Form No. 1 Page 326, Column (g) and Page 402 - 406, Line 5.
- (2) Reactive Power Revenue Requirement from Schedule 2, Line 20.