

											2024		
											2024 Net	Accredited	
											Energy	Capacity	Notes (i.e., generation not available, not in service, sharing, etc)
Owner/Operator	Resource	Town	County	In-Service Date	Summer NDC/ Nameplate Capacity (MW)	Dual Fuel Capability	Fuel Type 1	Fuel Type 2			(GWh)	(MW)	
1. Alamosa	Alamosa Solar	Mosca	Alamosa	5/1/2024	30 No		Solar				20.59	18.51	
2. Ameresco	Rattlesnake BESS	Hudson	Weld	5/15/2024	11.8 No		Storage				7.09	10.47	
3. Ameresco	Bromley BESS	Brighton	Adams	6/21/2024	11.8 No		Storage				6.58	10.47	
4. Ameresco	Davis BESS	Ft. Lupton	Weld	8/9/2024	11.8 No		Storage				4.80	10.47	
5. Ameresco	Frederick BESS	Frederick	Weld	9/13/2024	7.8 No		Storage				2.20	6.92	
6. Ameresco	Mead BESS	Mead	Weld	5/10/2024	7.8 No		Storage				5.07	6.92	
7. Ameresco	Tesla BESS	Keenesburg	Weld	5/15/2024	11.8 No		Storage				8.51	10.47	
8. Ameresco	Parkway BESS	Broomfield	Broomfield	5/9/2024	7.8 No		Storage				5.11	6.92	
9. Ameresco	Platte Valley BESS	Brighton	Adams	7/19/2024	7.8 No		Storage				3.83	6.92	
10. Basin	Basin 2024: Capacity Call Option			5/1/2024	50 No		Various				92.27	50.00	
11. Basin	2024 Basin Block			5/1/2024	90 No		Various				168.92	90.00	
12. Greenbacker	Overland Solar	Hudson	Weld	12/13/2024	11 No		Solar				0.70	-	
13. Guzman	Guzman Monthly Capacity			5/1/2024	230 No		Various				1,167.12	180.00	
14. Samuel Engineering	Hangar 160	Thornton	Adams	5/1/2024	2.2 No		Solar				3.23	1.36	
15. Silicon Ranch	Jenkins Solar	Ft. Lupton	Weld	5/1/2024	13 No		Solar				30.96	8.02	
16. Silicon Ranch	Platte Solar	Keenesburg	Adams	5/1/2024	22 No		Solar				50.22	13.57	
17. Silicon Ranch	Maverick Solar (Slater)	Mead	Weld	5/1/2024	6.5 No		Solar				15.35	4.01	
18. Timberline Energy	Erie Landfill / Timberline	Erie	Weld	5/1/2024	3.2 No		LFG				18.55	2.99	
19. TSGT	TSGT Renewable Product			5/1/2024	50 No		Renewable Product				92.11	50.00	
20. TSGT	TSGT Dispatchable Product			5/1/2024	50 No		Various				371.52	50.00	
21. TSGT	TSGT 50 MW Block			5/1/2024	50 No		Block				485.12	50.00	
22. TSGT	TSGT Knutson	Commerce City	Adams	5/1/2024	134 Yes		Gas CT	Fuel Oil			186.01	119.38	
23. United Power	Carbon Valley BESS	Longmont	Boulder	5/1/2024	4 No		Storage				0.09	3.55	
24. United Power	R.O. Gen	Brighton	Adams	5/1/2024	1.6 No		Fuel Oil				0.14	1.49	
25. United Power	Gilpin Gen	Black Hawk	Gilpin	5/1/2024	0.625 No		Fuel Oil				-	0.58	Gen available, not utilised in 2024
26. United Power	Brighton HQ Solar	Brighton	Adams	5/1/2024	0.02 No		Solar				0.03	0.01	
27. Basin	Golden Aluminum	Ft. Lupton	Weld	5/1/2024	4.32 No		Natural Gas				-	4.03	Gen available, not utilised in 2024
28. United Power	Brighton HQ Battery	Brighton	Adams	5/1/2024	0.5 No		Storage				0.00	0.44	
29. United Power	Contingency Reserves - 2024			5/1/2024	15 No		Various				0.06	15.00	
30. WAPA	Prairie Center BESS	Brighton	Adams	12/31/2024	32 No		Storage				0.08	-	

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<u>Requirements</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>2029</u>	<u>2030</u>
Native Load Forecast (MW)	698	731	765	798	832
Accredited Capacity (MW) - Distributed Generation	416	562	555	574	687
Accredited Capacity (MW) - Energy Storage	105	105	105	105	105
Target Planning Reserve Margin (%)	16.0%	16.0%	16.0%	16.0%	16.0%
Forecasted Planning Reserve Margin (%)					
Demand Response (MW)	(3)	(3)	(3)	(3)	(3)
Reduced Peak Load (MW)					
Total Accredited Capacity (MW)	900	1,046	939	959	1,071

<u>ACCREDITED CAPACITY</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>2029</u>	<u>2030</u>
Other (MW)	380	380	280	280	280
Distributed Generation (MW)	416	562	555	574	687
+ Energy Storage (MW)	105	105	105	105	105
TOTAL ACCREDITED CAPACITY (MW)	900	1,046	939	959	1,071

A

<u>LOAD</u>					
Native Load Forecast (MW)	698	731	765	798	832
+ Demand Response (MW)	(3)	(3)	(3)	(3)	(3)
FIRM OBLIGATION LOAD (MW)	695	728	762	795	829

B

RESERVE

Target Planning Reserve Margin (%)	16.0%	16.0%	16.0%	16.0%	16.0%
Forecasted Planning Reserve Margin (%)	29.6%	43.8%	23.3%	20.6%	29.3%

(A - B)/B

SOURCES

Formula for Accredited Capacity = Nameplate Capacity * ELCC %

[2024 ELCC Wind Solar and ESR Study Report \(Solar and battery units\)](#)[8.6.24 SPP Planning Reserve Margins Announcement](#)[SPP Supply Adequacy Working Group November 2024 On Site Fuel Survey Preliminary Results \(thermal units\)](#)

Identification of any excess capacity or resource needs and of plans to mitigate forecasted shortfalls prior to experiencing peak load supply conditions that were forecasted in calculating the planning reserve margin:

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