

UNITED POWER, INC | Form 1. Generation Resources

					<u>Summer NDC/</u>				<u>2024</u>			
					<u>Nameplate</u>	<u>Dual Fuel</u>			<u>2024 Net</u>	<u>Accredited</u>		
<u>Owner/Operator</u>	<u>Resource</u>	<u>Town</u>	<u>County</u>	<u>In-Service Date</u>	<u>Capacity (MW)</u>	<u>Capability</u>	<u>Fuel Type 1</u>	<u>Fuel Type 2</u>	<u>Energy</u>	<u>Capacity</u>	<u>Notes (i.e., generation not available, not in service, sharing, etc)</u>	
									<u>(GWh)</u>	<u>(MW)</u>		
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	-		

UNITED POWER, INC. | Form 2. Resource Adequacy

<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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