

COLORADO SPRINGS UTILITIES | Form 1. Generation Resources

	<u>Resource</u>	<u>Summer NDC/</u>	<u>2024 Accredited</u>	<u>Notes (i.e., generation not available, not in service, sharing, etc)</u>
		<u>Nameplate</u> <u>Capacity (MW)</u>	<u>Capacity (MW)</u>	
1.	Front Range Power Plant	460.0	460.0	
2.	Ray D Nixon 1	195.0	195.0	
3.	Ray D Nixon 2	30.0	30.0	
4.	Ray D Nixon 3	30.0	30.0	
5.	George Birdsall 1	16.0	16.0	
6.	George Birdsall 2	16.0	16.0	
7.	George Birdsall 3	22.0	22.0	
8.	SPAG 1	25.0	25.0	
9.	SPAG 2	25.0	25.0	
10.	SPAG 3	25.0	25.0	
11.	SPAG 4	25.0	25.0	
12.	SPAG 5	25.0	25.0	
13.	SPAG 6	25.0	10.0	
14.	Clear Springs Ranch Solar	10.0	2.5	
15.	Grazing Yak Solar	35.0	8.8	
16.	Colorado Springs Solar Gardens	0.5	0.1	
17.	Good Shepard Community Solar	0.5	0.1	
18.	Pikes Peak Solar Garden	2.0	0.5	
19.	South I-25 Solar Array 1	0.5	0.1	
20.	Venetucci Farm Community Solar	0.5	0.1	
21.	USAFA Solar	5.5	1.4	
22.	Palmer Solar	60.0	15.1	
23.	Pike Solar	175.0	44.1	
24.	Ruxton Hydro	1.0	1.0	
25.	Cascade Hydro	0.8	0.8	
26.	Manitou Hydro 1	2.5	2.5	
27.	Manitou Hydro 2	2.5	2.5	
28.	Manitou Hydro 3	0.6	0.6	
29.	Tesla Hydro	28.2	28.2	
30.	WAPA_SLC Hydro	15.0	15.0	
31.	WAPA_lap Hydro	61.0	61.0	
32.	Spring Canyon Wind	60.0	8.8	
33.	Fuller BESS	100.0	-	COD 2025
34.	New Solar	150.0	-	In contract negotiations.
35.	New BESS	100.0	-	In contract negotiations.
36.	New Gas	370.0	-	In contract negotiations.

COLORADO SPRINGS UTILITIES | Form 2. Resource Adequacy

Requirements	2026	2027	2028	2029	2030
Native Load Forecast (MW)	1,072	1,110	1,143	1,190	1,238
Accredited Capacity (MW) - Distributed Generation	-	-	-	-	-
Accredited Capacity (MW) - Energy Storage	-	-	-	-	-
Target Planning Reserve Margin (%)	16.0%	22.0%	22.0%	22.0%	22.0%
Forecasted Planning Reserve Margin (%)	8.9%	6.7%	41.4%	35.8%	14.1%
Demand Response (MW)	-	-	-	-	-
Reduced Peak Load (MW)	27	32	38	43	48
Total Accredited Capacity (MW)	1,168	1,184	1,615	1,615	1,412

ACCREDITED CAPACITY	2026	2027	2028	2029	2030	
Other (MW)	1,168	1,184	1,615	1,615	1,412	
Distributed Generation (MW)	-	-	-	-	-	
* Energy Storage (MW)	-	-	-	-	-	
TOTAL ACCREDITED CAPACITY (MW)	1,168	1,184	1,615	1,615	1,412	A
LOAD						
Native Load Forecast (MW)	1,072	1,110	1,143	1,190	1,238	
* Demand Response (MW)	-	-	-	-	-	
FIRM OBLIGATION LOAD (MW)	1,072	1,110	1,143	1,190	1,238	B
RESERVE						
Target Planning Reserve Margin (%)						
Forecasted Planning Reserve Margin (%)	8.9%	6.7%	41.4%	35.8%	14.1%	(A - B)/B

SOURCES

Formula for Accredited Capacity = Nameplate Capacity * ELCC %

Solar: Nameplate * 25.2%

Wind: Nameplate * 17.6%

BESS: Nameplate * 89.7%

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:

Utilities is monitoring newly proposed draft summer (22 - 30%) and winter (48 - 58%) base planning reserve margins for the Southwest Power Pool Regional Transmission Organization Western Expansion. These reserve requirements are not yet finalized. Utilities may pursue short-term bilateral contracts to mitigate capacity deficiencies.