



Platte River Power Authority

Estes Park • Fort Collins • Longmont • Loveland

Worksheet Certification Form

Name of Load Serving Entity (LSE): Platte River Power Authority

Energy Service Provider Registration Number (if applicable):

Certification of Information:

Consistent with House Bill 23-1039 and revised Statute 40-43-101, this Resource Adequacy Annual Report identifies the generating resources and accredited capacity used by the Load-Serving Entity to serve its customers. A Load-Serving Entity may designate its wholesale electric supplier as an authorized agent to provide the Resource Adequacy Annual Reports.


1. I have responsibility for the activities reflected in this filing;
2. I have reviewed this compliance filing;
3. Based on my knowledge, this filing does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made;
4. Based on my knowledge, this [filing] contains all of the information required to be provided by Colorado Statute.

Certified By Authorized LSE Representative (Name): Jason Frisbie

Title: General manager and chief executive officer

Date: 4/29/2024

Signature (sign the hard copy of filing):

DocuSigned by:

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Contact Person for Questions about this Filing:

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Form 1. Individual Resource

	Owner, Operator and/or billing Organization	Station Unit	PTID	Location		In-Service Date	Name Plate Rating MW	2023 CRIS MW ²		2023 Adability MW		Dual	Fuel		2023 Net Energy GWh	Total Accredited Capacity
				Town	County			SUM	WIN	SUM	WIN		Type 1	Type 2		
1	PRPA	Rawhide Unit 1		Wellington	Larimer	4/1/1984	280	280	280				Coal		1,312	272
2	TSGT	Craig Unit 1		Craig	Moffat	7/1/1980	77	77	77				Coal		241	73
3	TSGT	Craig Unit 2		Craig	Moffat	11/1/1979	74	74	74				Coal		142	70
4	PRPA	Rawhide A		Wellington	Larimer	6/1/2002	65	65	77				Natural Gas		25	62
5	PRPA	Rawhide B		Wellington	Larimer	8/1/2002	65	65	77				Natural Gas		19	62
6	PRPA	Rawhide C		Wellington	Larimer	10/1/2002	65	65	77				Natural Gas		16	62
7	PRPA	Rawhide D		Wellington	Larimer	6/1/2004	65	65	77				Natural Gas		31	62
8	PRPA	Rawhide F		Wellington	Larimer	6/1/2008	128	128	152				Natural Gas		99	122
9	PPRA	Dispatchable Generation		Wellington	Larimer	1/1/2028	200	200	225				Natural Gas		-	196
10	WAPA	Hydro 2025 ¹					80	78	77				Water		496	78
11	WAPA	Hydro 2026 ¹					80	74	72				Water		-	75
12	WAPA	Hydro 2027 ¹					80	72	72				Water		-	72
13	WAPA	Hydro 2028 ¹					80	70	70				Water		-	70
14	WAPA	Hydro 2029 ¹					80	70	70				Water		-	70
15	WAPA	Hydro 2030 ¹					80	70	70				Water		-	70
16	PRPA	Medicine Bow		Medicine Bow	Carbon	10/1/1999	6	6	6				Wind		11	1
17	PRPA	Roundhouse		Granite	Laramie	7/1/2020	225	225	225				Wind		847	38
18	PRPA	Wind 2027		TBD	TBD	1/1/2027	200	200	200				Wind		-	15
19	PRPA	Wind 2028		TBD	TBD	1/1/2028	200	200	200				Wind		-	14
20	PRPA	Spring Canyon			Logan	6/1/2030	60	60	60				Wind		-	10
21	PRPA	Rawhide Flats		Wellington	Larimer	10/1/2016	30	30	30				Solar		62	17

22	PRPA	Rawhide Prairie		Wellington	Larimer	3/19/2021	22	22	22				Solar		47	12
23	PRPA	Black Hollow			Weld	4/1/2025	150	150	150				Solar		-	30
24	PRPA	Solar 2026		TBD	TBD	1/1/2026	150	150	150				Solar		-	24
25	PRPA	Rawhide Prairie		Wellington	Larimer	10/1/2020	1	1	1				Battery Storage		-	1
26	PRPA	Community Storage 2026		TBD	TBD	1/1/2026	25	25	25				Battery Storage		-	17
27	PRPA	Utility Storage 2027		TBD	TBD	1/1/2027	25	25	25				Battery Storage		-	17
28	PRPA	Utility Storage 2028		TBD	TBD	1/1/2028	50	50	50				Battery Storage		-	31
29	PRPA	LDES 2028		TBD	TBD	1/1/2028	10	10	10				Long duration storage		-	9
30	PRPA	Utility Storage 2029		TBD	TBD	1/1/2029	75	75	75				Battery Storage		-	44

Platte River Power Authority calculations and additional data used in aAccreditation

Year	Annual Accredited Capacity
2025	962
2026	927
2027	956
2028	1204
2029	1178
2030	917

eFOR for thermal generation	
Rawhide 1	3%
Craig	5%
Existing CTs	5%
New Dispatchable	2%

Wind	ELCC
2023	17.0%
2024	9.6%
2025	9.1%
2026	8.3%
2027	7.6%
2028	7.2%
2029	6.7%
2030	6.2%

Solar	ELCC
2023	56.7%
2024	30.9%
2025	20.3%
2026	16.0%
2027	12.9%
2028	11.2%
2029	10.3%
2030	9.5%

Storage	ELCC - 4Hr	ELCC - LDES
2023	88.7%	91.0%
2024	74.7%	91.0%
2025	73.7%	91.0%
2026	69.9%	91.0%
2027	66.3%	91.0%
2028	61.9%	91.0%
2029	58.6%	91.0%
2030	57.7%	91.0%

Notes

¹ Platte River receives hydro power from Loveland Area Project and Colorado River Storage Project operated by Bureau of Reclamation, marketed by Western Area Power Administration. No specific unit can be assigned.

Platte River's nominal allocation is 80 MW, but the actual available MW depends on the recent annual precipitation. The planning assumption for future MW is based on historical drought conditions in the west.

² Platte River does not use CRIS method for capacity ratings. Ratings for resources except for Gas Turbines (GT) do not change from summer and winter.

GT ratings for winter and summer are based on the following temperatures at Rawhide Energy Station site.

Site Ambient Conditions	Summer	Average Day	Winter
Dry Bulb Temperature (F)	90.8	49.6	32.0
Wet Bulb Temperature (F)	60.5	38.8	25.4
Relative Humidity (%)	18.4	40	42



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Form 2. Resource Adequacy

	Load-Serving Entity	Native Load Forecast	Accredited Capacity		Target Planning Reserve Margin	Forecasted Planning Reserve Margin	Demand Response			Total Accredited Capacity	Include any formulas and/or assumptions used to calculate total accredited capacity	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.
			Distributed Generation	Energy Storage			Relied upon for Resource Planning	Reduced Peak Load	Total DR			
2025	PRPA	746	5		15% ¹	31%	8		8	962	Total accredited capacity was computed after applying eFOR (effective Forced Outage Rate) to the dispatchable resource summer capacity and by applying ELCC (Effective Load Carrying Capability) to renewable and limited hour energy storage installed capacity. Assumed eFOR and ELCC values are provided on the Form 1.	0
2026	PRPA	755	6		15% ¹	25%	9		9	927	Total accredited capacity was computed after applying eFOR (effective Forced Outage Rate) to the dispatchable resource summer capacity and by applying ELCC (Effective Load Carrying Capability) to renewable and limited hour energy storage installed capacity. Assumed eFOR and ELCC values are provided on the Form 1.	0
2027	PRPA	766	8		15% ¹	28%	13		13	956	Total accredited capacity was computed after applying eFOR (effective Forced Outage Rate) to the dispatchable resource summer capacity and by applying ELCC (Effective Load Carrying Capability) to renewable and limited hour energy storage installed capacity. Assumed eFOR and ELCC values are provided on the Form 1.	0
2028	PRPA	777	9		15% ¹	61%	20		20	1204	Total accredited capacity was computed after applying eFOR (effective Forced Outage Rate) to the dispatchable resource summer capacity and by applying ELCC (Effective Load Carrying Capability) to renewable and limited hour energy storage installed capacity. Assumed eFOR and ELCC values are provided on the Form 1.	0

2029	PRPA	790	11		15% ¹	56%	26		26	1178	Total accredited capacity was computed after applying eFOR (effective Forced Outage Rate) to the dispatchable resource summer capacity and by applying ELCC (Effective Load Carrying Capability) to renewable and limited hour energy storage installed capacity. Assumed eFOR and ELCC values are provided on the Form 1.	0
2030	PRPA	804	12		19.9% ²	20%	31		31	917	Total accredited capacity was computed after applying eFOR (effective Forced Outage Rate) to the dispatchable resource summer capacity and by applying ELCC (Effective Load Carrying Capability) to renewable and limited hour energy storage installed capacity. Assumed eFOR and ELCC values are provided on the Form 1.	0

Notes

¹ Historically, Platte River has planned for 15% PRM. SPP RTO West is doing a Resource Adequacy study to determine PRM required for its participants. Recommendations from this study will determine PRM values for 2026 onward.

² Platte River hired a third party consultant to assess required PRM in 2030 after the retirement of coal generation and addition of intermittent renewables. This value is from the study. It will be superseded by RTO West directive in the future.