



Estes Park • Fort Collins • Longmont • Loveland

Board of directors

April 24, 2025

Resource adequacy annual report to the state

Melie Vincent, chief power supply officer



Resource adequacy (RA) report to Colorado Energy Office

- HB23-1039 requires utilities to forecast resource adequacy for each of the next five years
- The forecasted RA is submitted as a report to the Colorado Energy Office, annually
- The RA report template is structured and provided by the Colorado Energy Office
- Platte River's RA report requires authorization from the board prior to submission
- This is the last year Platte River will be compiling this report, as utilities in a regional transmission organization are exempt from HB23-1039
- Beginning in 2026, Platte River will submit RA details to the Southwest Power Pool's Regional Transmission Organization (SPP RTO) West, as required by the SPP tariff and in keeping with SPP RA requirements

Resource adequacy and planning reserve margin (PRM)

- Resource adequacy is the ability of a utility to meet customer electricity needs
- North American Reliability Corporation defines RA criteria to limit loss of load
- Utilities meet RA criteria by securing capacity above forecasted peak electricity demand
- Excess capacity to meet RA requirements is the planning reserve margin
- Historically, PRM has been 15% and defined by summer electricity peak demand
- Changes in resource mix have increased RA requirements. An independent consultant advised a PRM of 19.9% for Platte River's 2024 integrated resource portfolio
- SPP PRM requirements for RTO West participants are expected this summer

Platte River RA projections - data for the Colorado Energy Office (CEO)

Accredited capacity (MW)	2026	2027	2028	2029	2030
Other	878	986	1,188	1,116	861
Distributed generation	7	9	11	12	12
Energy storage					
Total accredited capacity	885	995	1,199	1,128	873

Value A

Load (MW)	2026	2027	2028	2029	2030
Native load forecast	715	720	729	738	750
Demand response	(9)	(13)	(20)	(26)	(31)
Firm obligation load	706	707	709	711	719

Value B

Reserve (%)	2026	2027	2028	2029	2030
Target planning reserve margin	19.9	19.9	19.9	19.9	19.9
Forecasted planning reserve margin	25.4	40.8	69.0	58.6	21.5

(A-B)/B

- Platte River will meet RA criteria over the next five years
- PRM is high through 2029, reflecting new resource additions prior to Rawhide Unit 1's retirement

Questions



Platte River
Power Authority

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