

**BEFORE THE PUBLIC UTILITIES COMMISSION
OF THE STATE OF COLORADO**

**2024 ELECTRIC RESOURCE ADEQUACY)
ANNUAL REPORTS) PROCEEDING NO. 24M-0033E
)
)**

**TRI-STATE GENERATION AND TRANSMISSION ASSOCIATION, INC.’S
NOTICE OF 2024 RESOURCE ADEQUACY ANNUAL REPORT**

Tri-State Generation and Transmission Association, Inc. (“Tri-State”), pursuant to C.R.S. § 40-43-104(1)(a), respectfully submits this Notice of 2024 Resource Adequacy (“RA”) Annual Report informational filing.

I. BACKGROUND

Under C.R.S. § 40-43-104(1)(a), on or before April 1, 2024, Tri-State, as a load serving entity (“LSE”), is required to provide to the Colorado Public Utilities Commission (“Commission”) a RA Annual Report identifying the generating resources and accredited capacity used to serve its Utility Members.¹ On January 11, 2024, the Commission opened Proceeding No. 24M-0033E to receive these reports.²

II. TRI-STATE’S 2024 RA REPORT

Tri-State’s 2024 RA Annual Report has been made available on Tri-State’s website, pursuant to the requirement at C.R.S. § 40-43-104(3), here: <https://tristate.coop/resource-planning>.³

¹ The Colorado Resource Adequacy Act of 2023 became effective August 7, 2023 (House Bill 23-1039).

² <https://puc.colorado.gov/legislative-updates/2023-puc-legislative-implementation>

³ Tri-State had not yet received guidance from the Colorado Energy Office on the “common uniform resource locator convention” (required by C.R.S. § 40-43-104(3)) at the time of filing this report.

The following categories on the information are included in the report, included as **Attachment A** to this Notice:

- (a) A native load forecast;
- (b) Nameplate capacity and accredited capacity by individual resource, including renewable energy resources and storage;
- (c) Identification of any accredited capacity attributable to distributed generation resources, including energy storage;
- (d) Identification of any demand response that the load-serving entity relied upon for resource planning purposes of uses to reduce peak load;
- (e) Identification of the target planning reserve margin;
- (f) Identification of the forecasted planning reserve margin;
- (g) Identification of the total accredited capacity and any formulas or assumptions used to calculate the accredited capacity; and
- (h) Identification of any excess capacity or resource needs and of plans to mitigate forecasted shortfalls prior to experiencing load supply conditions that were forecasted in calculating the planning reserve margin.

Tri-State's 2024 RA Report is a copy of the loads and resources ("L&R") table based upon the IRA Scenario, Tri-State preferred plan, submitted in Tri-State's 2023 Electric Resource Plan on December 1, 2023 and pending in Proceeding No. 23A-0585E.⁴

⁴ Updated from the original L&R table submitted with Tri-State's 2023 ERP in Proceeding No. 23A-0585E, in order to correct the calculation of planning reserve margin to incorporate firm sales commitments as load-serving requirements and to reflect the unforced capacity (UCAP) value for sales to Salt River Project.

Tri-State's report covers its Members as LSEs, for the portion of their loads served by Tri-State,⁵ pursuant to C.R.S. § 40-43-104(2).

In accordance with C.R.S. § 40-43-104(1)(c), Tri-State understands the Colorado Energy Office will, by July 1, 2024, utilize Tri-State's report and that of other LSEs to create an aggregated statewide report.

III. FUTURE RA REPORTS

Going forward, Tri-State intends to comply with the April 1 RA Annual Report requirement through its December 1 Annual Progress Reports ("APRs"), submitted under Commission Rule 3618, which contain an annual L&R table update.

Submitted this 1st day of April 2024.

⁵ Tri-State expects that certain of its Utility Members that are exiting their relationship with Tri-State may supply separate RA Annual Reports, to the extent applicable.

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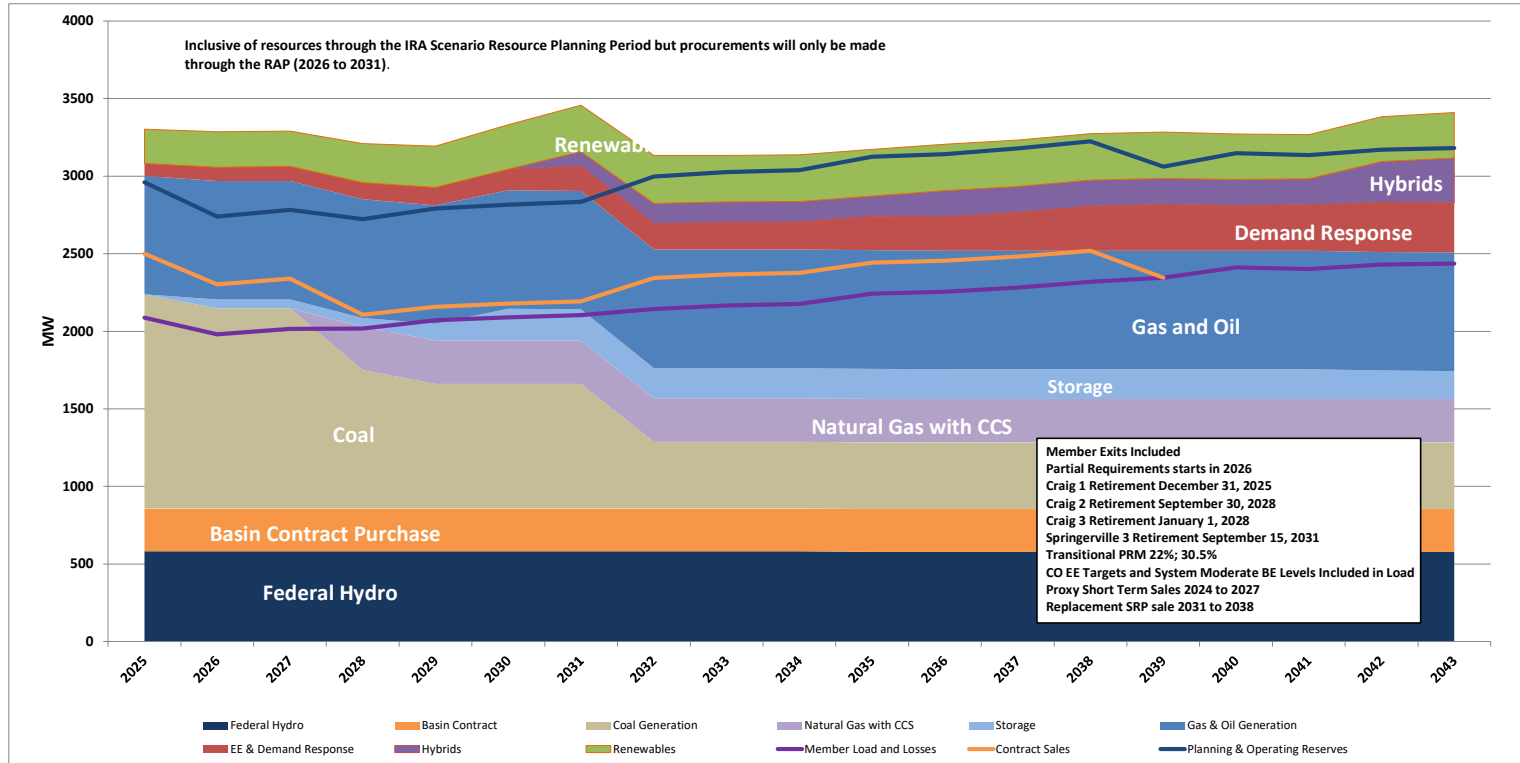
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	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043
Federal Hydro	582	582	582	582	582	582	582	582	582	582	578	578	578	578	578	578	578	578	578
Basin Contract	276	276	276	276	276	276	276	276	276	276	276	276	276	276	276	276	276	276	276
Coal Generation	1380	1290	1290	891	804	804	804	431	431	431	431	431	431	431	431	431	431	431	431
Blue Hydrogen with CCS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Natural Gas with CCS	0	0	0	280	280	280	280	280	280	280	280	280	280	280	280	280	280	280	280
Storage	0	58	58	58	107	204	200	194	194	194	194	190	190	190	190	190	190	182	179
Geothermal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gas & Oil Generation	764	764	764	764	764	764	764	764	764	764	764	764	764	764	764	764	764	764	764
EE & Demand Response	79	88	95	107	115	137	160	167	176	179	217	221	246	289	298	292	295	320	321
Hybrids	0	0	0	0	0	0	93	131	131	131	131	167	167	167	167	167	167	263	289
Renewables	221	228	226	253	266	286	300	309	300	300	300	299	299	299	299	293	286	288	290
Total Resources	3303	3286	3291	3210	3193	3332	3458	3134	3134	3137	3172	3206	3231	3274	3284	3272	3268	3382	3408
Member Load and Losses	2087	1980	2016	2018	2070	2090	2104	2143	2166	2176	2242	2255	2282	2318	2346	2412	2402	2430	2437
Contract Sales	413	323	323	89	89	89	89	200	200	200	200	200	200	200	200	0	0	0	0
Planning & Operating Reserves	459	436	444	615	631	637	642	654	661	664	684	688	696	707	716	736	733	741	743
Planning Reserve Margin	35%	47%	45%	55%	50%	55%	60%	34%	32%	32%	30%	31%	30%	30%	40%	36%	36%	39%	40%
Total Obligations	2959	2739	2783	2722	2790	2816	2835	2997	3027	3040	3126	3143	3178	3225	3062	3148	3135	3171	3180
Excess Resources	344	547	509	488	403	515	623	137	107	97	46	63	53	49	222	124	134	211	228



Planning Reserve Margin	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043
	35%	47%	45%	55%	50%	55%	60%	34%	32%	32%	30%	31%	30%	30%	40%	36%	36%	39%	40%