

ELECTRIC 2025 ANNUAL RESOURCE ADEQUACY PLAN

Resources Operation and Strategic Analytics

Board of Public Utilities
October 28, 2024

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BACKGROUND

Resource Adequacy (RA) provides sufficient resources and reserves to the California Independent System Operator (CAISO) to ensure safe and reliable operation of the grid.

1. May 2006 – City Council approved the RA program in response to the CAISO RA Tariff.
2. June 2012 – City Council approved a revised RA Program. Later that year the City Council also delegated the authority to approve future Annual RA Plans to the Board of Public Utilities.
3. August 2020 – City Council approved specific revisions in the RA program to eliminate provisions that are no longer applicable and facilitate the ability to acquire less expensive RA resources.



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RPU RA PROGRAM REQUIREMENTS

1. Prepare an Annual RA Plan.
2. The Annual RA Plan must identify capacity resources owned or contracted for that are sufficient for the City to meet at least 90% of the City's System RA Requirement for each month of the coming compliance year.
3. Resources must also meet 90% of the Flexible Requirements and 100% of the Local Requirements for each month of the coming compliance year.



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CAISO REQUIREMENTS FOR RA PLAN

- 1. System RA:** Determined based on each utility's California Energy Commission (CEC) coincident adjusted peak load forecasts, plus a planning reserve margin adopted by the Local Regulatory Authority.
- 2. Flexible RA:** Derived from an annual CAISO simulation study that evaluates the ramping capacity needed in each month to ensure overall system reliability.
- 3. Local RA:** Determined from an annual CAISO planning study using a 1-in-10 weather year and specified transmission contingency conditions.



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RPU'S 2025 ANNUAL RA PLAN



- 1. Includes System RA, Local RA, and Flexible RA requirements to provide efficient and reliable service to Riverside customers.
- 2. Complies with both CAISO and City Council RA Program requirements.
- 3. Maintains fiscal responsibility by avoiding non-compliance penalties and provides lowest possible rates to customers.

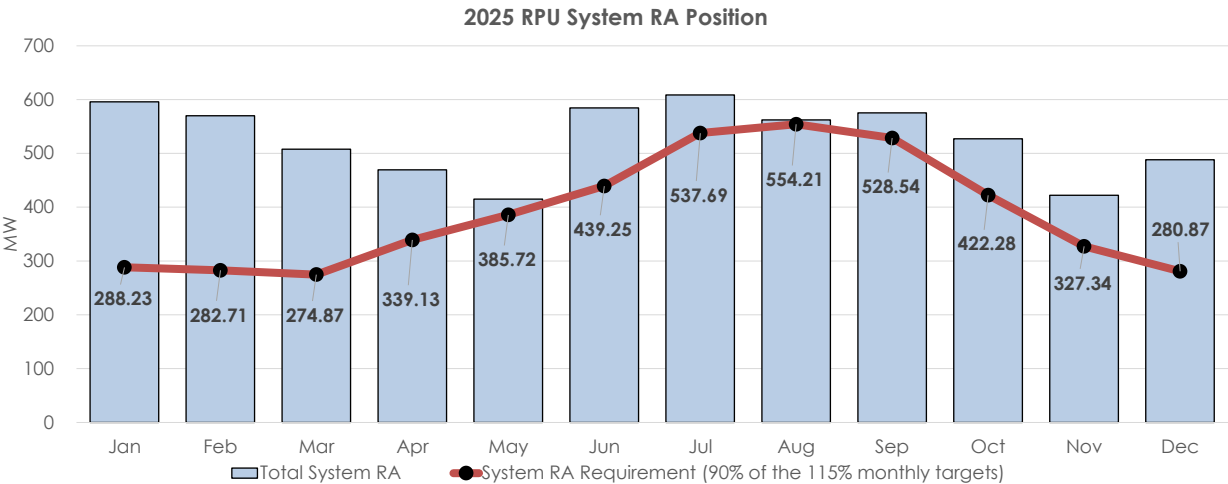


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SYSTEM RA REQUIREMENT

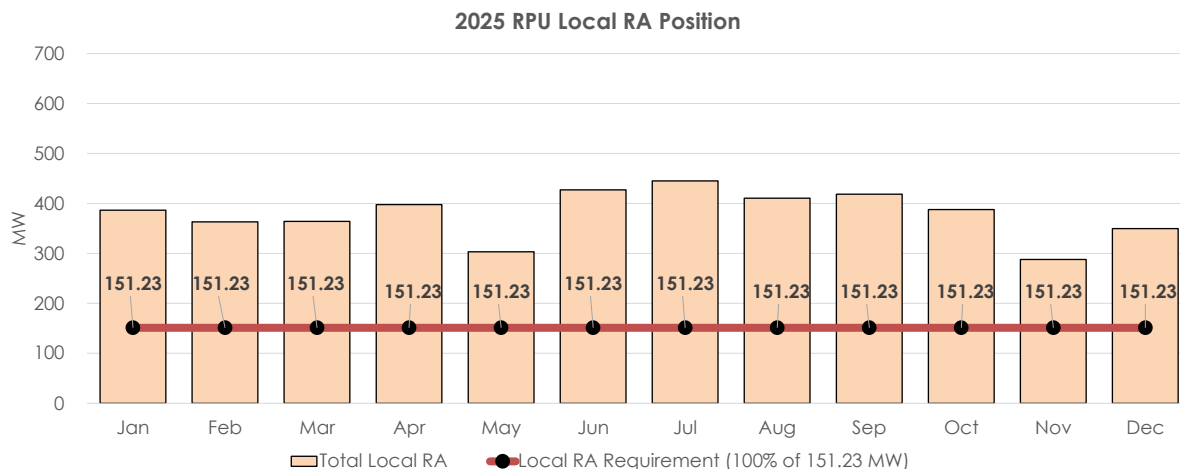


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LOCAL RA REQUIREMENT

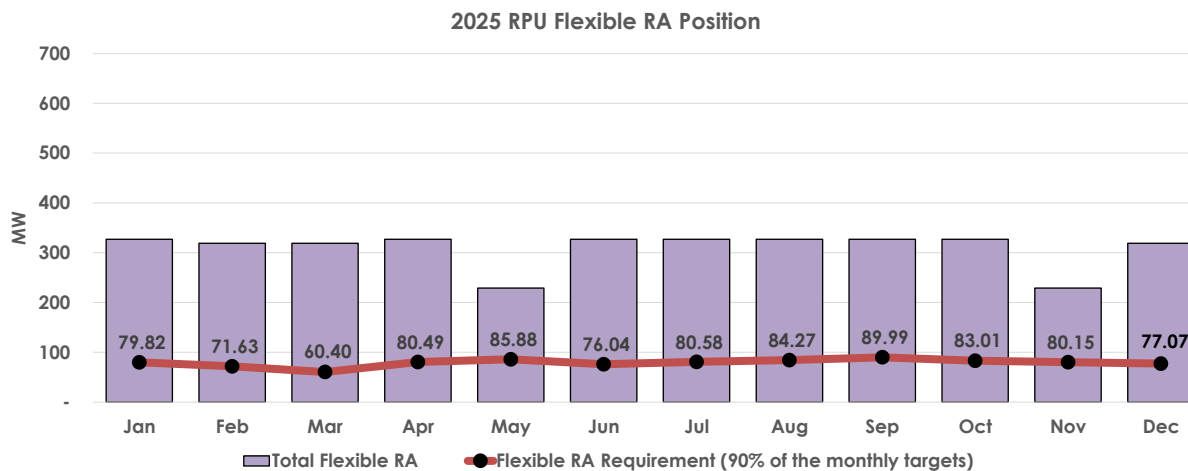


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FLEXIBLE RA REQUIREMENT



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STRATEGIC PLAN ALIGNMENT



Strategic Priority 2 - Community Well-Being

Goal 2.6 – Strengthen community preparedness for emergencies and disruptive events to ensure effective response and recovery

Cross-Cutting Threads



Community Trust



Equity



Fiscal Responsibility



Innovation



Sustainability & Resiliency



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RECOMMENDATIONS

That the Board of Public Utilities:

1. Approve the Riverside Public Utilities Electric 2025 Annual Resource Adequacy Plan compliance filing; and
2. Authorize filing the Riverside Public Utilities Electric 2025 Annual Resource Adequacy Plan with the California Independent System Operator in compliance with Section 40 of its tariff.



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