

The Extended Day-Ahead Market (EDAM) is a voluntary day-ahead electricity market designed to deliver significant reliability, economic, and environmental benefits to balancing areas and utilities throughout the West.

Building on the proven success and tangible benefits of the real-time Western Energy Imbalance Market (WEIM), the EDAM can increase regional coordination, support states' policy goals, and meet demand cost-effectively.

Since its launch in 2014, the WEIM has grown to 22 participating balancing areas representing 79% of the load in the Western Interconnection and exceeds [\\$5 billion in benefits](#).

By leveraging the significant resource diversity and transmission connectivity between major supply and demand regions throughout the Western United States, the EDAM is designed to deliver additional benefits to those realized in the WEIM through greater reliability coordination and resource optimization.

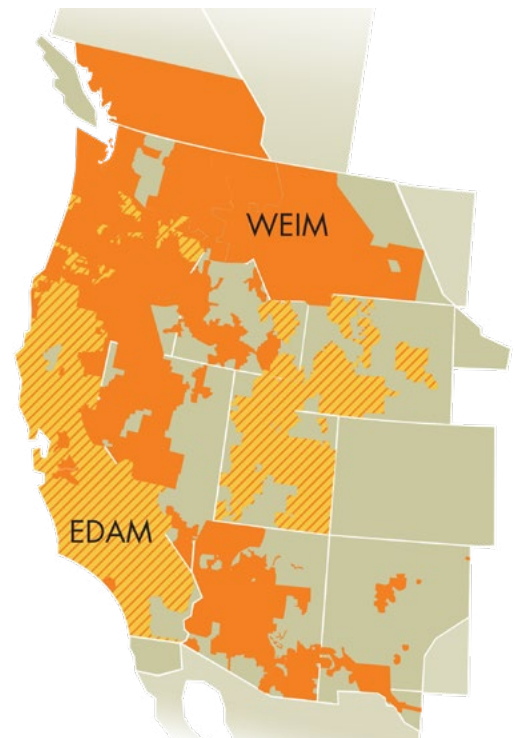
The EDAM initiative, which leverages and builds on existing features of the ISO's day-ahead market and the WEIM, includes elements found in similar markets across the country, and used extensive stakeholder input to further improve the market design. The EDAM design was jointly approved by the ISO Board of Governors and WEIM Governing Body in February 2023. In December 2023, the Federal Energy Regulatory Commission (FERC) accepted the EDAM tariff changes.

PacifiCorp, which serves customers in California and five other Western states, and the Balancing Area of Northern California (BANC), which includes the Sacramento Municipal Utility District, have announced their intent to join the EDAM, and we are working with them on their implementation schedules to support their onboarding in 2026. Depending on the number of interested parties, this will also allow for additional participants to onboard in 2026.

## The Benefits of EDAM

The day-ahead market efficiently positions supply to meet forecasted demand across the EDAM footprint and identifies economic transfers between participating areas, providing reliability, economic, and environmental benefits for participating balancing areas and their utilities.

**Reliability benefits:** By improving visibility and awareness of conditions across the footprint, including supply availability, a regional day-ahead market positions a diverse set of resources to cost-effectively meet the next day's conditions. A diverse and broad supply pool also allows the market to better respond to changes in conditions and extreme weather events, effectively reducing operational risk and the frequency and magnitude of emergency conditions.



**Economic benefits:** Operational benefits result from reduced production costs and optimized commitment of the least-cost resources to meet demand. Since demand peaks vary for individual balancing areas across the West, the day-ahead market seeks to efficiently commit supply to meet peak needs of the whole footprint providing the economic savings in serving load.

**Environmental benefits:** When excess renewable production occurs in one balancing area in the regional day-ahead market, the energy can be used to meet demand elsewhere, reducing the need for renewable resource curtailment.

In 2022, the ISO commissioned an EDAM Benefits Study from Energy Strategies, an independent energy consulting firm based in Salt Lake City. The study built on a prior State-led study conducted by Energy Strategies and quantified the following benefits, incremental to the WEIM, from a West-wide Extended Day-Ahead Market:

- Total annual operational savings for the West would be up to \$543 million per year from reduced power production expenses – a 4.5% decrease from the status quo;
- A West-wide EDAM would reduce CO2 emissions an estimated 2.92 million metric tons a year, equal to removing more than 634,000 vehicles from the road;
- Additional potential savings could accrue through lower and shared planning reserve requirements and harmonization in resource procurement programs, providing additional capacity savings up to \$557 million per year across the West in avoided investments.
- If the full suite of EDAM benefits is realized, the entire West could save as much as \$1.2B annually.

In addition to the ISO’s study, PacifiCorp commissioned The Brattle Group to simulate the specific EDAM design and concluded it would result in significant benefits, including increased annual cost savings, reduced renewable generation curtailments, and a decrease in greenhouse gas emissions in the Western Electricity Coordinating Council. For more information, [view Brattle’s analysis.](#)

### EDAM Milestones:

Date	Milestone
2021-2022	Market design
February 2023	ISO Board of Governors & WEIM Governing Body approval
December 2023	EDAM tariff changes accepted by FERC
2024-2025	Implementation activities
2026	Anticipated onboarding of EDAM participants