The Extended Day-Ahead Market (EDAM) is a voluntary day-ahead electricity market designed to deliver significant economic, environmental, and reliability 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, producing more than $4 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 strong regional collaboration across a larger geographic footprint.

The EDAM initiative, which leveraged and built upon existing features of the ISO’s day-ahead market and the WEIM, includes elements found in similar markets across the country, and used 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, and was filed with Federal Energy Regulatory Commission (FERC) in August 2023.

PacifiCorp and the Balancing Area of Northern California (BANC) have announced their intent to join the EDAM, and we are working with those entities on their implementation schedules to support their participation.

As a result of additional project coordination and schedule alignment, and considering regulatory obligations with each entity, the ISO - in collaboration with PacifiCorp, BANC and other potential entities – is estimating their onboarding to occur in 2026. Depending on the number of interested parties, this also allows 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 economic, reliability and environmental benefits for participating balancing areas and their utilities.

- **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.
• **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 days’ conditions. A diverse and broad supply pool allows the market to effectively position supply the day ahead and respond to changes in conditions while reducing operational risk, and the frequency and magnitude of emergency conditions.

• **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 clean resource curtailment.

In 2022, the ISO commissioned an EDAM Benefit 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 Brattle to simulate the specific EDAM design, and concluded there were significant benefits to the EDAM 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, visit Brattle’s analysis.

**EDAM Milestones:**

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