Summer Readiness
June 2023 Performance
Housekeeping reminders

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• These collaborative working groups are intended to stimulate open dialogue and engage different perspectives.

• Please keep comments professional and respectful.

• Note: The ISO encourages any verbal or written agreements to comments made during this working group session.
Instructions for raising your hand to ask a question

• If you are connected to audio through your computer or used the “call me” option, select the raise hand icon 👋 located on the top right above the chat window.

  **Note**: #2 only works if you dialed into the meeting.
  – Please remember to state your name and affiliation before making your comment.

• Do not mute yourself until you have completed your question or comment. WebEx platform will **LOCK** and mute you if you mute yourself once you have finished your question.

• You may also send your question via chat to either **Brenda Corona** or to all panelists.
Summary of summer enhancements in place for summer 2023

- Summer readiness enhancements implemented in 2021 and 2022 remain in place, including:
  - Load, export and wheeling priorities
  - Real-time scarcity pricing enhancements
  - Management of storage resources under tight supply conditions
  - Improved protocols for communications and coordination

- CAISO has also implemented further enhancements for summer 2023
  - Changes to the resource sufficiency evaluation to consider low priority exports
  - Energy storage enhancements
June’s conditions were mild and did not require use of further actions to handle stressed supply

- There were no energy emergencies
- There were no undersupply conditions in the day-ahead market
- Scarcity pricing was not triggered
- The minimum state of charge constraint was not enforced
- Reliability demand response was not triggered
- There were no exports or wheel-through transactions reduced in the day-ahead or real-time market due to tight supply conditions
Much below average and below average mean temperatures were observed across most of California and the Southwest in June 2023.
CAISO’s loads in June were relative mild

The CAISO’s load peak for the month happened on June 30 at about 36,029 MW, below the CEC forecast of 42,372 MW.

CAISO’s load did not exceed the monthly CEC forecast, and monthly RA showings were above CAISO’s load plus operating reserves.
Monthly RA showings for June 2023 RA is comparable to June’s 2022 values

RA June 2022: 47,266 MW
RA June 2023: 48,909 MW

Gas: +1415 MW
Hydro: +564 MW
Storage: +1555 MW
Imports: +1144 MW
Hydro production has improved significantly in June 2023

June 2023 saw an 86% increase of hydro relative to June 2022
Prices across CAISO’s markets for the month of June relatively stable with relative low gas prices.
RA capacity was sufficient in June to meet load needs
Average net intertie schedules for peak hours was about 2,568 MW for June.
Volume of exports in CAISO’s market has been relatively higher, reaching up to 5,000 MW in June. Maximum levels of exports are typically observed in midday hours when solar supply is plentiful.
There were no RUC undersupply infeasibilities in June, but low volume of economic exports were reduced intermittently for few days in June.

June observed consistently oversupply conditions during midday hours.
Up to 550 MW out of 1,412 MW of wheel-through transactions were bid in and cleared in the day-ahead market

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About 92 percent of RA imports bid in at or below $0/MWh in June.
Storage resources exceeded 3000MW of energy dispatches and provided a significant portion of the regulation requirement.
Hybrid resources contributed with up to 700 MW in midday hours, following a pattern of extended solar production.
Average daily wholesale cost in July was about $16.80 million

Metric based on preliminary settlements information and subject to change
For reference

• Visit initiative webpage for more information: California ISO - Miscellaneous Stakeholder Meetings (caiso.com)

• If you have any questions, please contact Brenda Corona at bcorona@caiso.com or isostakeholderaffairs@caiso.com
• *Energy Matters* blog provides timely insights into ISO grid and market operations as well as other industry-related news [http://www.caiso.com/about/Pages/Blog/default.aspx](http://www.caiso.com/about/Pages/Blog/default.aspx).

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