

DOCKETED

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2022 IRP Guidelines Proposed Updates

August 8, 2022 Staff Workshop

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Today's Schedule

- 1:00 -1:10 PM – Introduction and Zoom meeting details
- 1:10 - 1:35 – Review of SB 350 and IRP requirements and overview of updates
- 1:35 -1:45 – Transportation electrification updates
- 1:45 -2:00 – Closing remarks and next steps in process
- 2:00 – 3:00 – Questions and Answers





POU IRPs under SB 350

- Large POUs (700 GWh average in 2013-2016) develop and adopt IRPs and submit them to the CEC by January 1, 2019, and then every 5 years
- CEC reviews for consistency with SB 350 requirements
- CEC may recommend corrections for deficiencies
- CEC may adopt guidelines governing IRP submission and review



**Pasadena Water and Power
2018 Power Integrated Resource Plan**



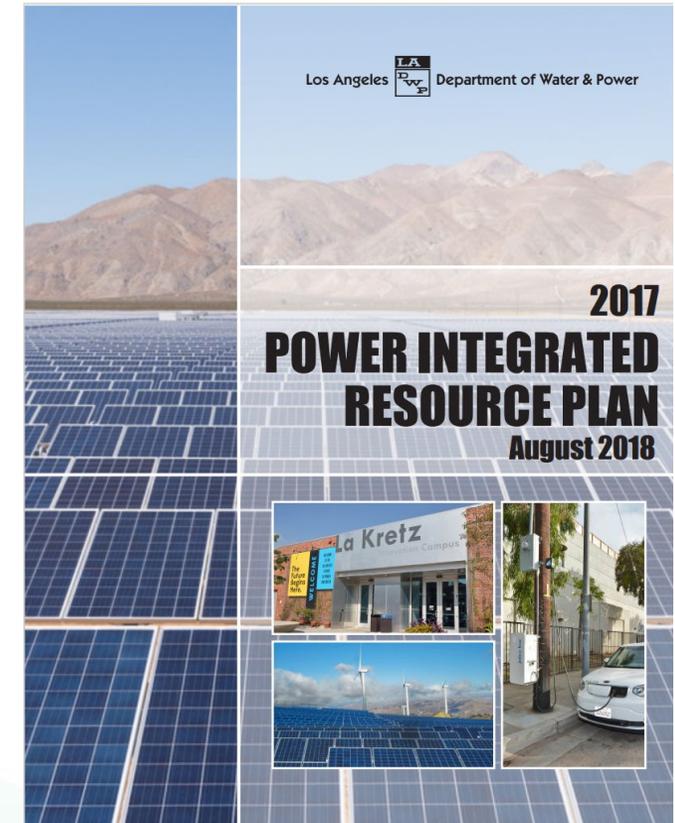
POU IRPs under SB 350

POUs must:

- Adopt IRP and process for updating by January 1, 2019
- Submit IRP filing to CEC by April 30, 2019
- Update IRP at least once every five years

IRPs must meet the following requirements:

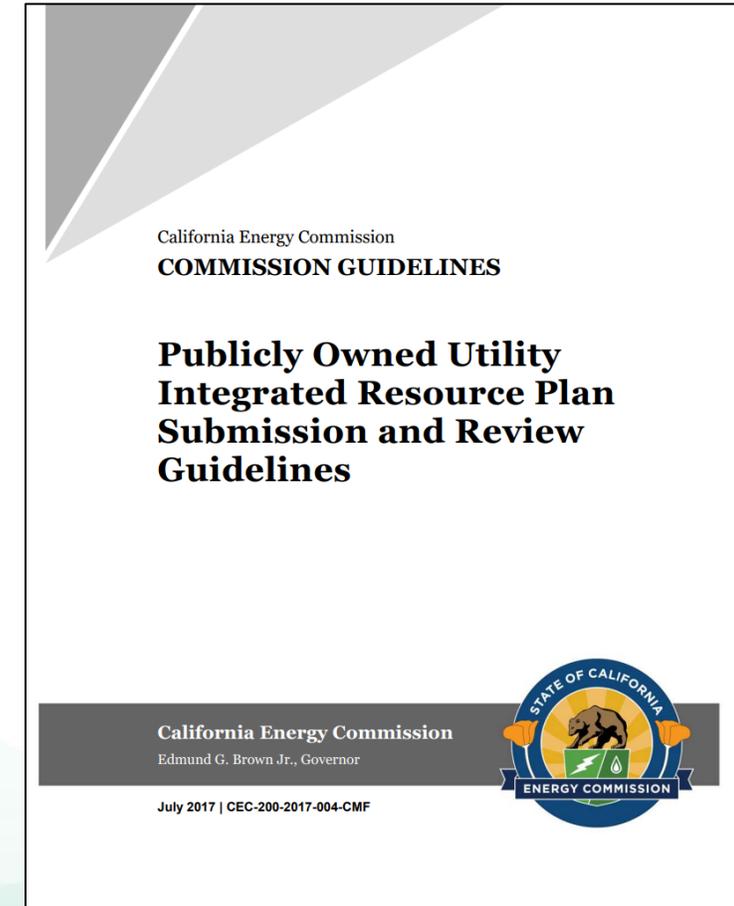
- Meet CARB GHG reduction targets by 2030
- Ensure procurement of at least 50% renewables by 2030 (now 60% due to SB 100)
- Meet other policy goals





Scope of Guidelines

- Govern submission of information needed for CEC review
- Identify minimum requirements for POU analysis and data reporting
- Recommend additional information and analysis
- Outline administrative procedures for submission and review of IRPs
- CEC adopts findings of consistency with SB 350 for a POU's IRP at a business meeting





Proposed Updates Capture New Laws and Goals

- SB 100 modified the RPS procurement target to 60 percent of retail sales by 2030, and so the POU IRP guidelines are modified to conform with this change.
- The addition of a section regarding electric vehicle rates required by SB 437.
- The forecast horizon has been extended from 2030 to 2045 to allow the CEC to review GHG reduction goals, as well as renewable procurement requirements and zero carbon resource targets established in SB 100 and Executive Order B-55-18 to achieve carbon neutrality no later than 2045.



Proposed Changes to Improve Reporting

- The inclusion of the impacts of fuel substitution, building electrification, and fuel switching towards the SB 350 energy efficiency doubling targets
- Updating the standardized tables to allow for a POU-specific planning reserve margin, along with a description of the method for establishing it.
- The disaggregation of natural gas generation in the standardized tables by fossil gas, renewable gas, and renewable hydrogen (which should improve GHG accounting, and allow POUs to highlight approaches to achieving state goals)



POU IRP Guidelines Update Overview

- IRP filings are to be submitted within 90 days of governing board adoption.
- POUs are encouraged to contact CEC staff regarding their planned IRP adoption and filing schedule.
- POU IRPs will be checked for completeness to ensure that the filing has the IRP, the four standardized tables, and required supporting information.
- The POU IRP and supporting information will be evaluated by CEC staff for consistency with SB 350 requirements



Transportation Electrification and SB 437

- Transportation accounts for >50% of statewide GHG emissions
- Widespread TE is critical for achieving state's goals
- SB 437 – IRPs shall address rate design and existing/planned incentives that support TE consistent with [EO B-55-18](#)





Updates to Transportation Electrification Guidelines

- Request for MDHD PEV charging profiles
- Current amount/type of chargers (added location examples such as depot and truck parking facility)
- Added an item requesting milestones/actions taken to advance other, non-light-duty sectors
- Added some references to existing laws, mandates, goals and policies with which IRPs could align
- Request for total driver cost savings in POU territory associated with displacement of fossil fuel consumption related to increased EV adoption

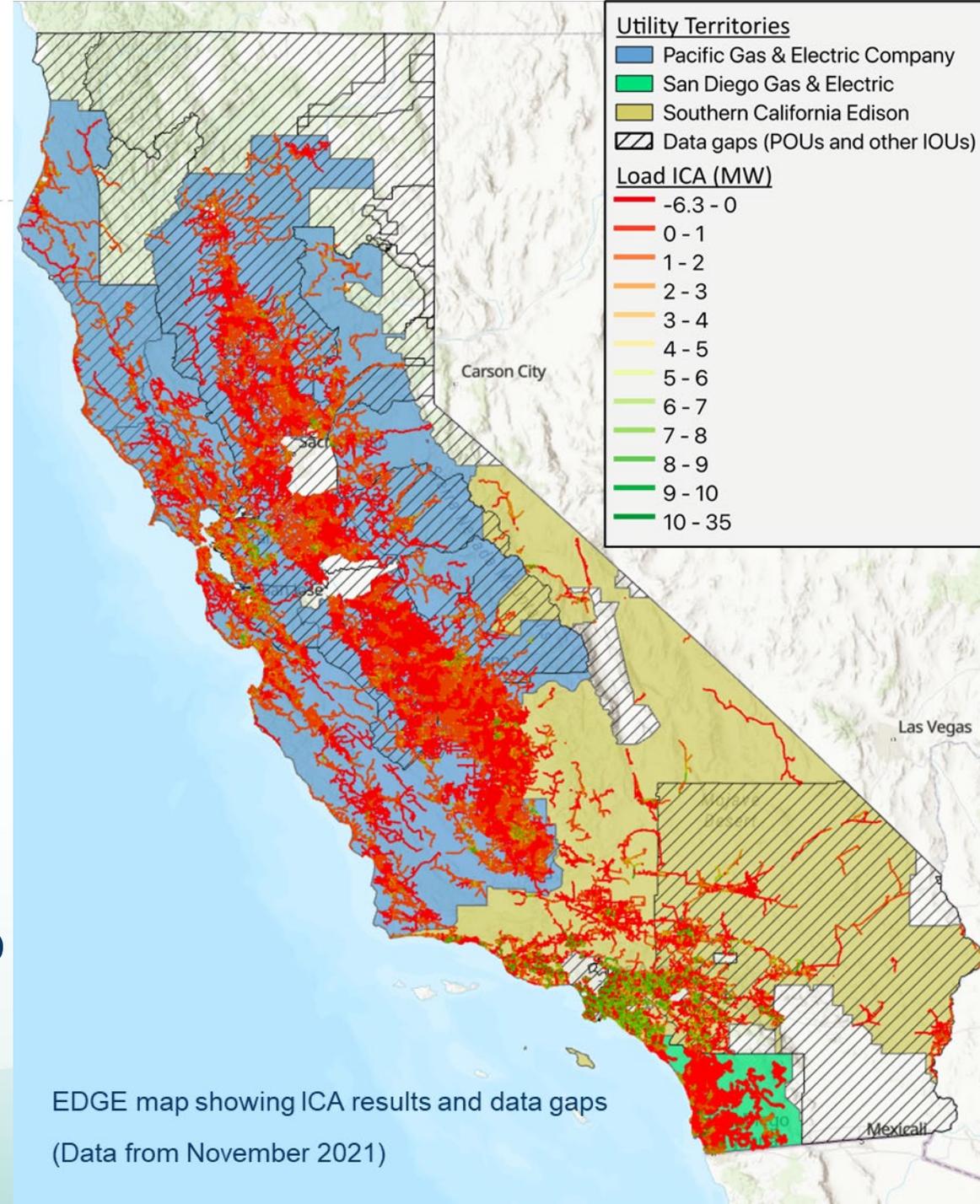


EVSE Deployment and Grid Evaluation (EDGE) Tool

- Close the gap for capacity planning and understand regional load characteristics
- Democratize make-ready equipment analyses, deployment, and investments
- Map distribution circuits to charging connectors
- Provide technical/analytical capabilities to utilities that don't currently have them

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Source: CEC staff





Questions and Discussion





Next steps

- Written comments must be submitted by 5:00 PM on September 7, 2022. E-mail comments should include docket number **18-IRP-01** and “Publicly Owned Utility IRPs” in the subject line to docket@energy.ca.gov

- A paper copy may be sent to:

California Energy Commission Docket Unit, MS-4

Docket No. 18-IRP-01

715 P Street

Sacramento, California 95814



Next Steps, Continued

- CEC Staff will work to incorporate comments and feedback, and will post the revised POU IRP Guidelines in advance of taking them to an Energy Commission Business Meeting for approval later this year.
- Please feel free to reach out to Brian McCollough - Brian.McCollough@energy.ca.gov with any questions.

Thank You