



Item 5:

2025 Integrated Energy Policy Report (IEPR) (Docket No. 25-IEPR-01)

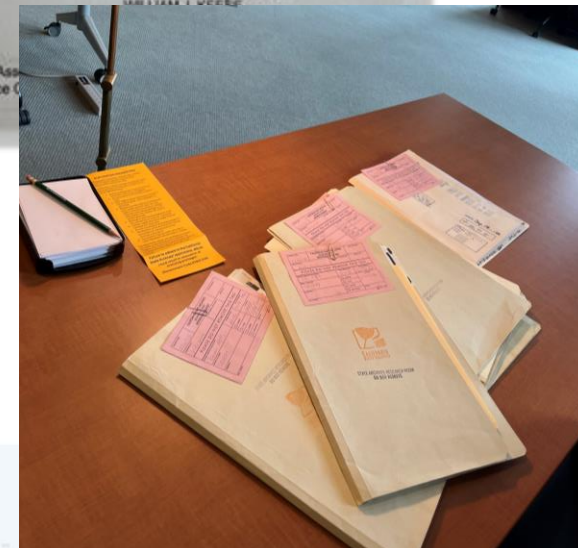
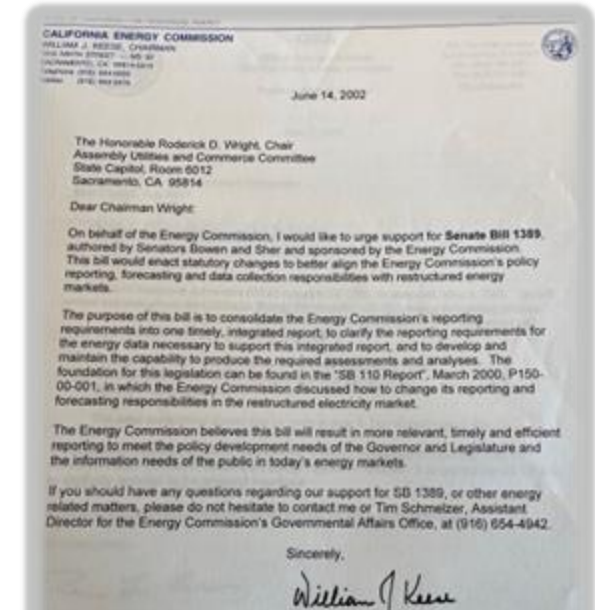
July 8, 2026 Business Meeting

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Integrated Energy Policy Report, CEC



Overview

- Integrated Energy Policy Report (IEPR) established by SB 1389 (Bowen and Sher, 2002)
- Allows for:
“more relevant, timely, and efficient reporting to meet the policy development needs of the Governor and Legislature and the information needs of the public” - CEC Chair Keese in June 14, 2002 support letter for the legislation creating the IEPR



Source: CEC



Scope for *2025 IEPR*

1. Electricity and Gas Forecast



2. Accelerating Interconnection and Energization



3. Load-Shift Goal Update



4. Assessing Clean and Renewable Hydrogen





Accelerating Interconnection and Energization



- Since 2020, California has added more than 25 GW of renewable energy and storage to the grid
- Improvements to processes include California ISO interconnection queue reform and CPUC General Order 131-E



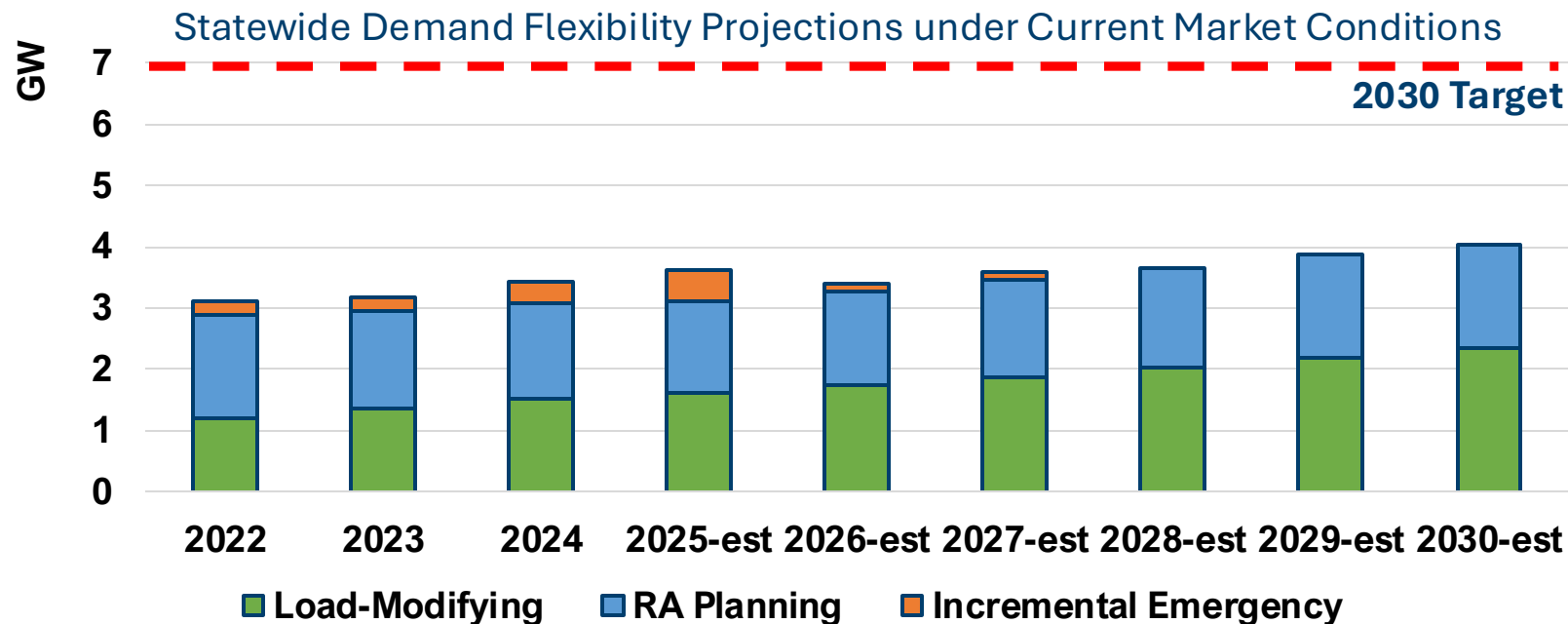
Staff Recommendations

- Integrate interconnection queue information
- Improve tracking and transparency via tools and datasets
- Deploy grid-enhancing technologies
- Landscape-level planning (e.g., transmission corridors)



Progress Toward the Load-Shift Goal

Current outlook based on utility programs and forecasting



- ✓ Modest 10 percent growth since 2022
- ✓ Significant gap between the 7 GW target and the projected growth by 2030
- ✓ Potential improvements from hourly dynamic rates, vehicle-to-everything, and data centers



Progress Toward the Load-Shift Goal

How to scale demand flexibility?



Stakeholders suggested various strategies, including:

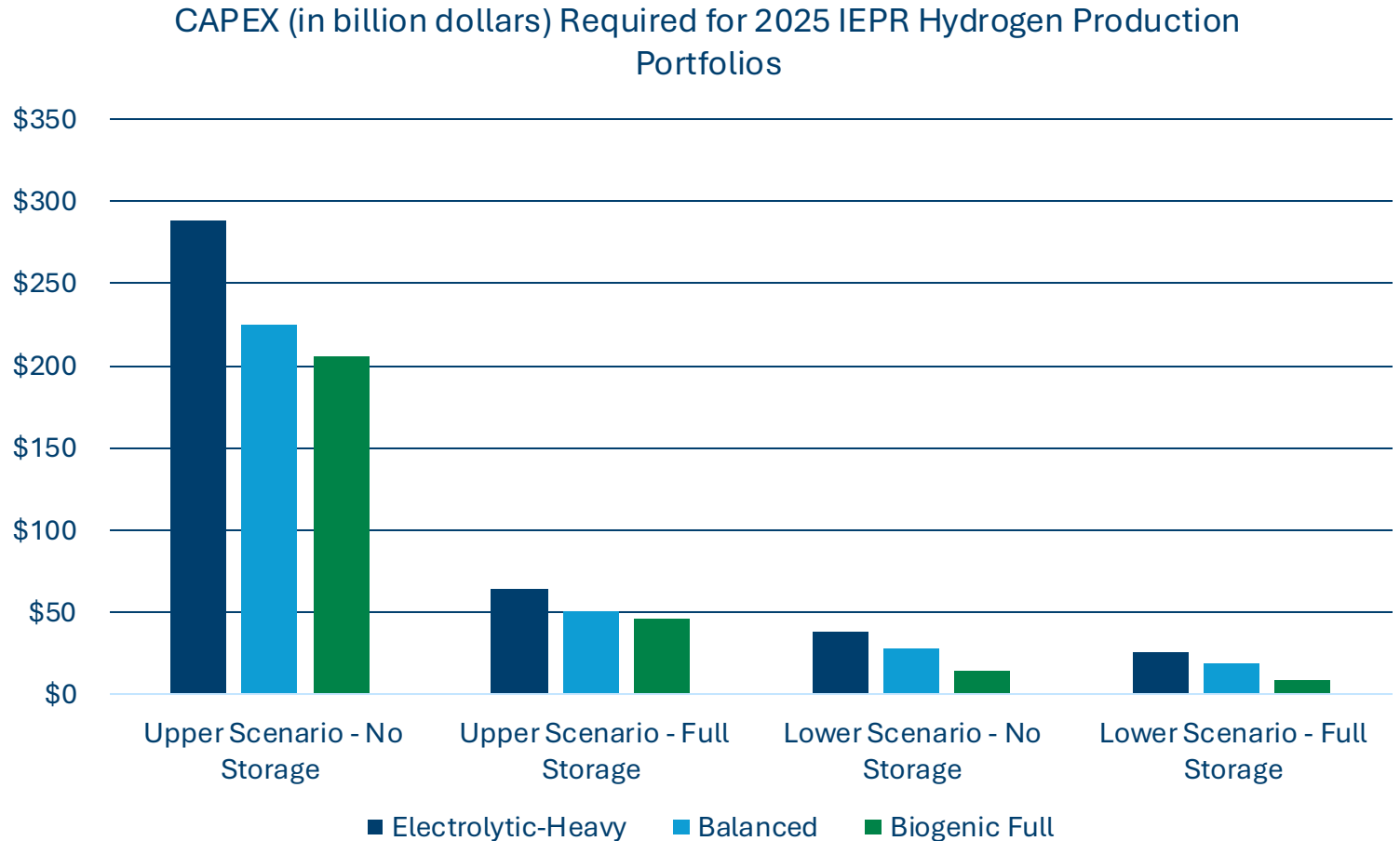
1. Simplified wholesale market process
2. Simplified utility programs
3. Load-Shift Goal roadmap
4. Central data repository & interoperability

- CEC to further evaluate emerging trends and progress towards the 7 GW load-shift by 2030.
- Agencies should continue to work together to address the policy issues identified in the 2023 SB 846 report.



Assessing Clean and Renewable Hydrogen

- Expands upon *2023 IEPR* by evaluating additional production methods and the role of hydrogen storage.
- Large swings in seasonal hydrogen demand create cost and/or storage challenges.
- Limited resources will be challenging in scaling hydrogen production.





Benefits to Californians

- Data-driven analysis to drive decision making
- Public forum for policy development
- Brings together partners and thought leaders



Staff Recommendation

- Approve the adoption of the *2025 IEPR*
- Approve the determination that the adoption is exempt from the California Environmental Quality Act (CEQA)