



Item 8: Assessing the Role of Hydrogen in California's Decarbonizing Electric System – GFO-22-304

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Benefits to Californians



- Identify cost-effective use cases for hydrogen (H₂) in the electric system.
- Develop pathways to reduce environmental impacts and promote grid reliability.
- Inform policy and future research to accelerate beneficial H₂ adoption.



RAND Corporation

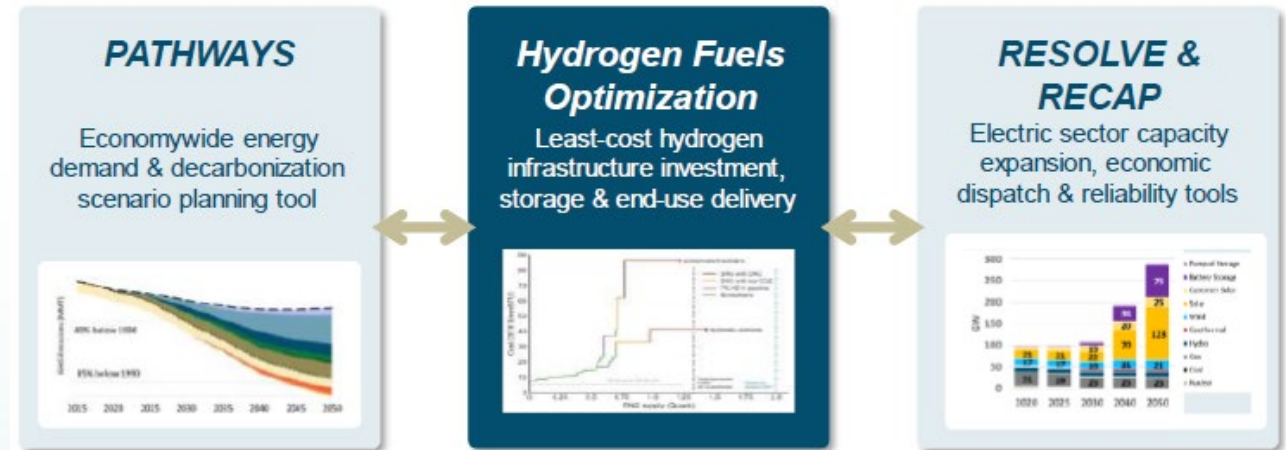
- Identify targeted use cases and research priorities for H₂ technology.
- Develop technology performance metrics and cost models.
- Recommend policies and R&D to achieve least-cost integration of H₂ in California's electric system.





Energy and Environmental Economics, Inc.

- Develop datasets and computational tools to optimize H₂ infrastructure buildout in California.
- Assess role of geologic underground storage in meeting H₂ demand.
- Examine impacts of policy and R&D measures.





Staff Recommendation

- Adopt staff's determination that this action is exempt from CEQA.
- Approve grant agreements with RAND and E3.