

**DOCKETED**

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# Pacific Gas and Electric Company

Kevin Pease

Senior Gas Engineer, GHG Emissions Strategies

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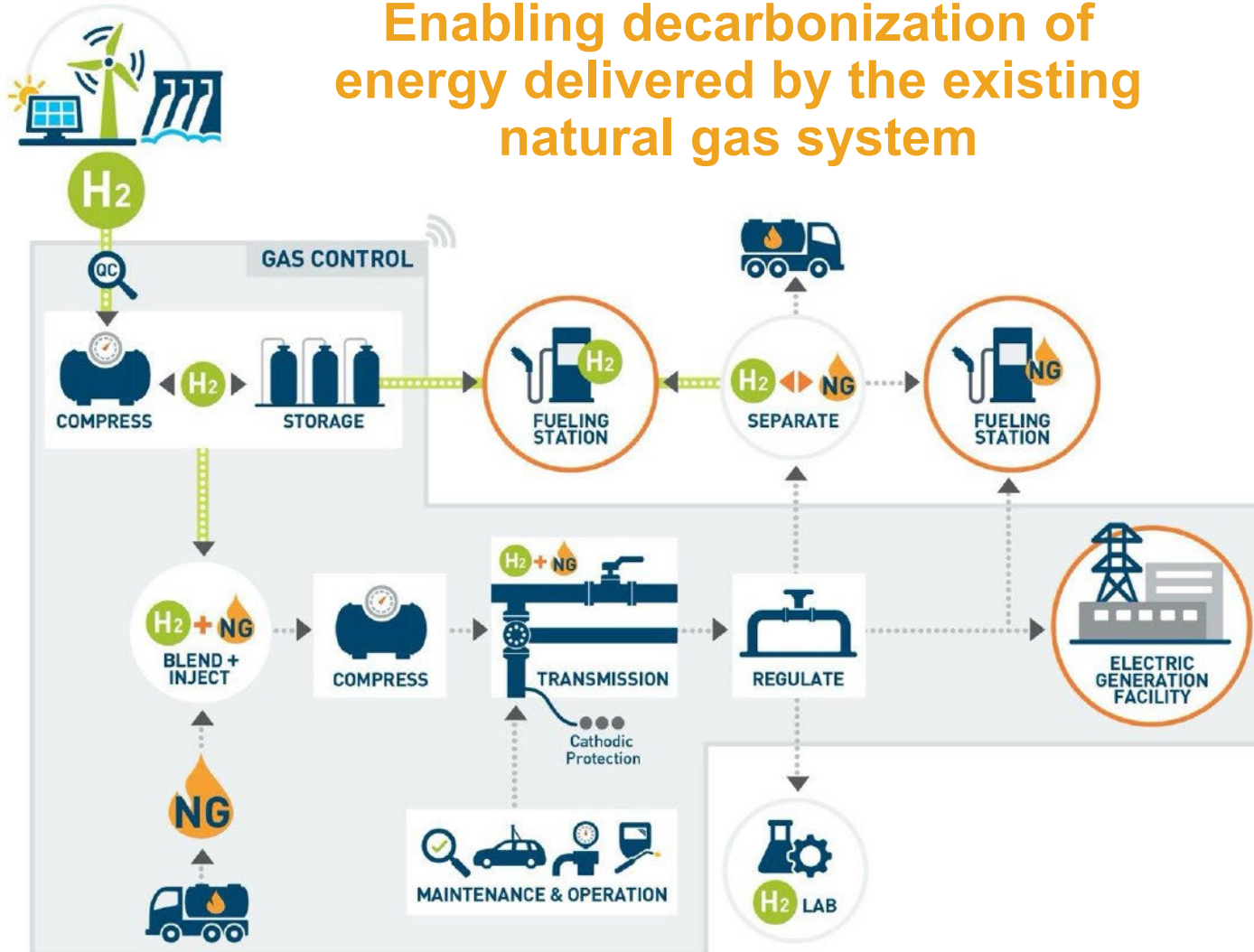
Serving people, the planet, and California's prosperity—  
supported by strong operational performance.





# PG&E Hydrogen to Infinity Project Overview

Enabling decarbonization of energy delivered by the existing natural gas system



## Project Components:

- Hydrogen production by Northern California Power Agency (NCPA)
- Full-scale stand-alone, new transmission system
- 5-30% blend study
- End-use: NCPA power plant and fueling stations

**Project Duration:** 10+ years

**Project Cost Estimate:** ~\$335 million

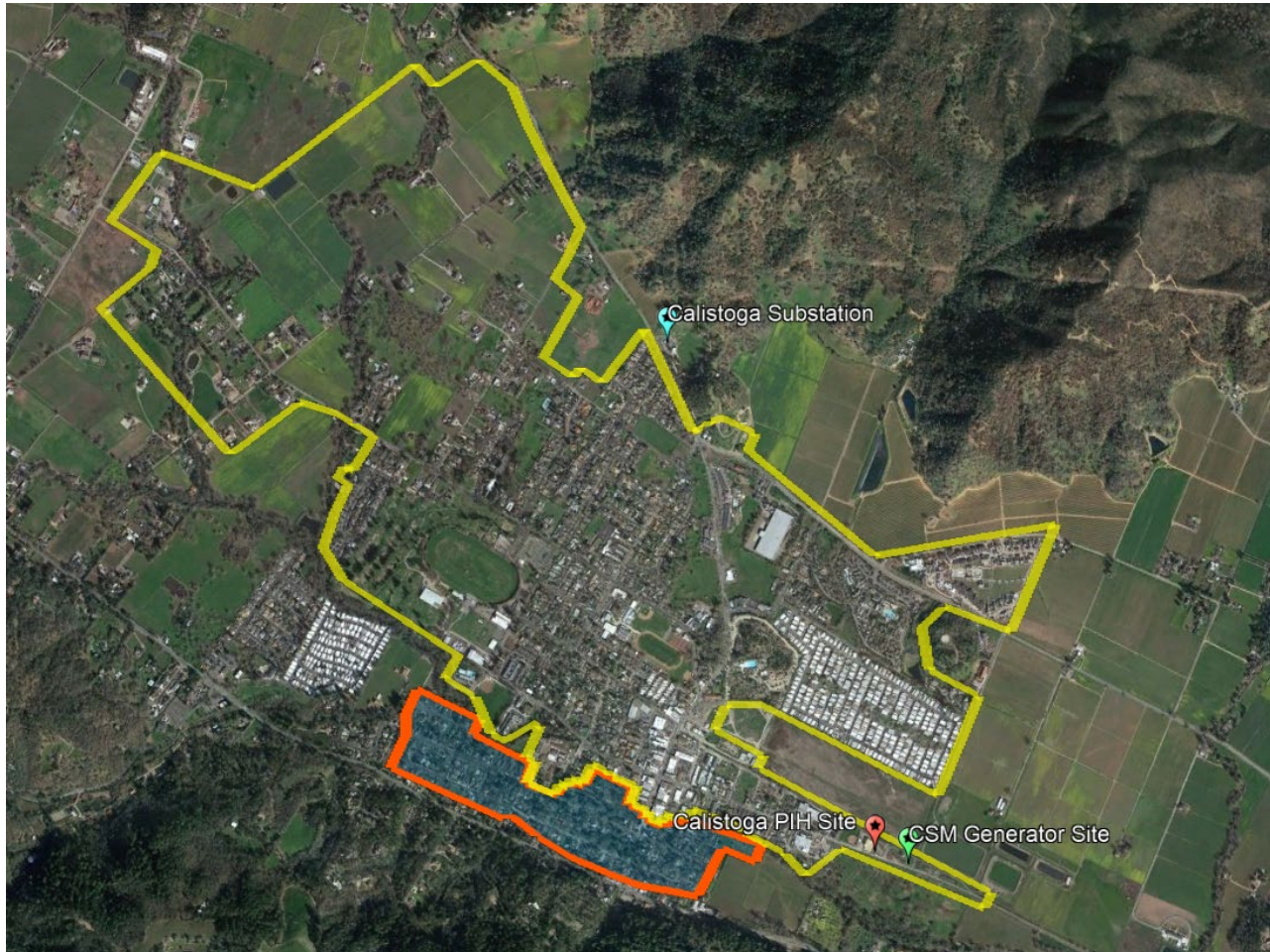
**Project Location:** Lodi, CA

## Environmental and Community Impacts:

- CalEnviroScreen 81%
- Job creation
  - Construction (temporary jobs): 200 – 300
  - Facility staffing and operations: 50 – 100



# Clean Substation Microgrid Pilot



## Energy Vault/PG&E Collaboration

- 8.5 MW microgrid hybrid system for up to 48 hours
- ~2,000 electric customers in city of Calistoga
- Short duration battery system
  - grid forming
  - black start capabilities
- Long duration fuel cells
- Green liquid hydrogen storage system
- Template for renewable community-scale microgrids



# Thank You

Kevin Pease, Senior Gas Engineer, GHG Emissions Strategies

[hydrogen@pge.com](mailto:hydrogen@pge.com)

[www.pge.com/hydrogen](http://www.pge.com/hydrogen)