



Poe Mountain FLASHES Project Update

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Michael Day
Advanced Energy Project Development Leader



Biggest Issues facing County

What is an ESCO?

- Energy Services Contractor
- Develop energy projects to solve customer problems
- Bring in grants, incentives, savings to pay for some or all of the project (Self funded)
- Often includes Finance

What issues topped the list for Lake County?

- Fire Threat
- PSPS Impacts
- Lack of funds

Solution Trane and the County came up with was FLASHES



Trane/County of Lake Energy Project History

- RFP released January 2020
- Trane Selected July 2021
- Letter of Commitment September 2021
- Update July 2022
- Grant Application July 2024
- CPUC Action June 2025



Firemain Linked Auxiliary Supply Hydraulic Energy Storage FLASHES

System Description

- Super Closed Loop Pumped Storage Hydro
 - Roofed Tanks, not reservoirs
 - Top/Bottom of hill
- 30 MW PV
- 30 MW Pelton Wheel Turbines
- Connected to two substations (Lucerne & Hartley)

Purposes

- Daily Renewable power generation
- Community Microgrid during outages
- Firefighting support as needed



Feasibility Project

Project needs an in-depth Feasibility Study to proceed, but there is some risk

Study Tasks

- Site Control
- Surveying
- Civil/Mechanical Engineering
- Geotechnical
- Environmental
- Hydrologic Study
- Cost Estimation
- Environmental Review
- Financial Analysis



Feasibility Project Status

Feasibility Project cost ~\$5M

Applied for a PG&E Microgrid Incentive Program (MIP) grant to cover study costs

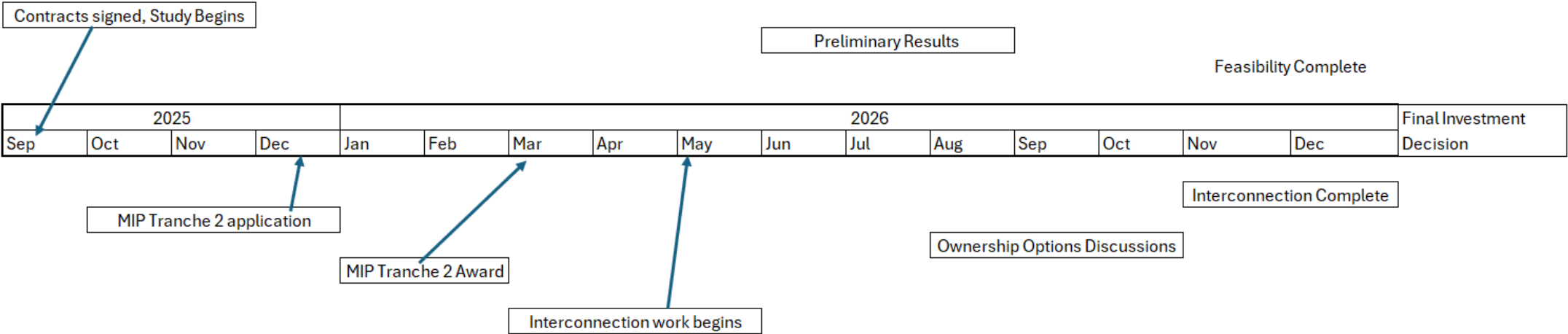
Grant awarded November 2024, but legal issues with PG&E contract

On June 26 2025 CPUC directed PG&E to revise contract language within 30 days

Note: Interconnection engineering and costs are in a separate PG&E MIP application currently under development



Rough Estimate of Path Forward



Final Design 6 months
Construction 12-18 months



Thank You!

Michael Day,
Account Executive, Trane
Michael.day@trane.com
(916) 660-3464

