

DOCKETED

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CEC Business Meeting – 1/26/2022 (Agenda Item #6)

Gem Energy Storage Center – Project Overview

Gem Energy Storage Center – Kern County, CA



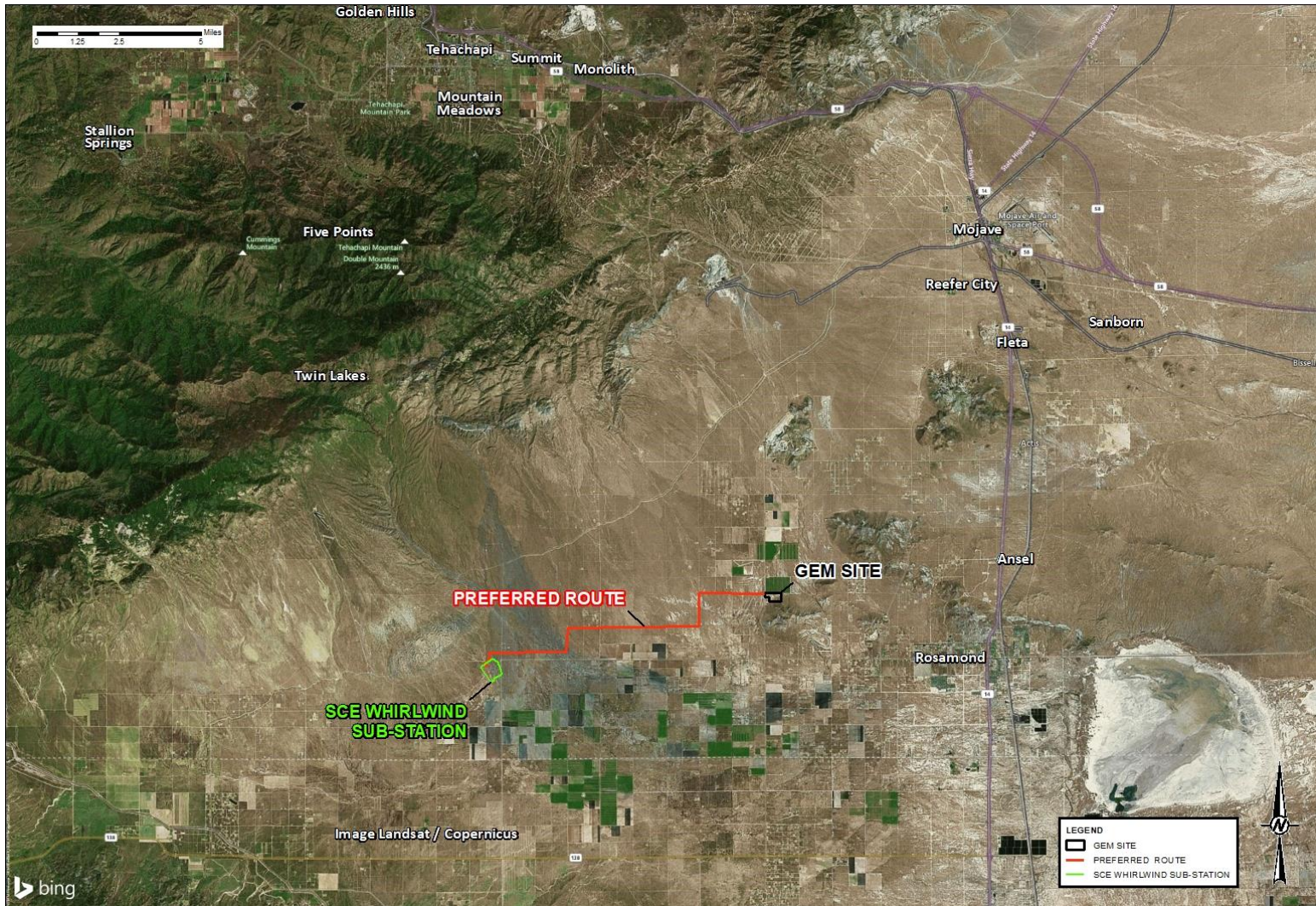
Project Capacity: 500 MW

Storage Duration: 8 Hours (4,000 MWh)

POI: SCE Whirlwind Substation (230 kV)

Target Commercial Operation Date: Q1 2027

Gem A-CAES Project Vicinity Map – Antelope Valley



Local Benefits of Gem Energy Storage Center

- *Provides enhanced integration and maximizes the utilization of intermittent renewable resources located in and around the Tehachapi Renewable Resource Area*
- *Total Installed Cost: \$900 million to \$1.0 billion*
- *Construction Jobs:*
 - *Average Construction Workforce: ~250 over 4+ years*
 - *Peak Construction Workforce: ~550*
 - *Total Construction Labor: ~2 million man-hours*
- *Operations & Maintenance Jobs: 25-40 Full-time equivalent positions*
- *Fiscal Benefits: Over \$500 million in Regional Direct & Indirect Economic impacts over project 50+ year commercial lifespan*
- *Compressed Air Energy Storage projects are not part of any state-imposed program with special property tax treatment*

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