

DOCKETED	
Docket Number:	26-IEPR-03
Project Title:	Electricity and Gas Demand Forecast
TN #:	271963
Document Title:	Silicon Valley Power, City of Santa Clara - Load Forecast Discussion
Description:	N/A
Filer:	J Padilla
Organization:	Silicon Valley Power
Submitter Role:	Commission Staff
Submission Date:	8/11/2026 4:49:39 PM
Docketed Date:	8/11/2026



Load Forecast Discussion

***Demand Analysis Working
Group (DAWG)
26-IEPR-03***

SVP Engineering Division

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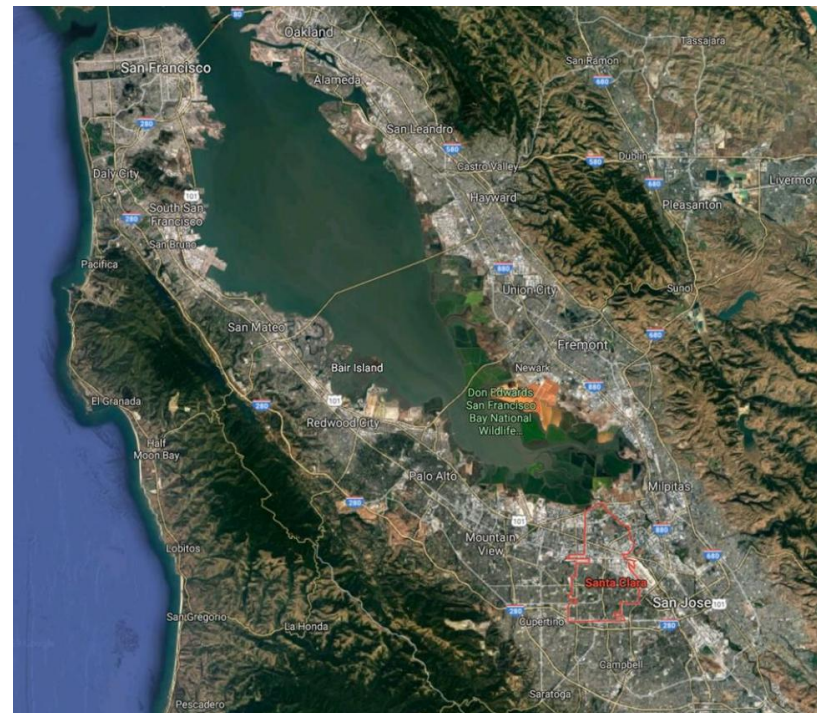
August 12th, 2025



The City of Santa Clara dba Silicon Valley Power (SVP)

The City of Santa Clara dba Silicon Valley Power (SVP) is a vertically-integrated municipal utility established in 1896.

- ❖ We operate on a not-for-profit basis with a mission to provide our retail customers—the citizens, organizations and businesses within the City of Santa Clara—a highly reliable source of power at low, stable rates.
- 18.41 Square Miles of Dense Urban Development
- CY2025 Summary:
 - NCP1 Peak Load of 754.28MW (<1-in-2)
 - Retail Sales of ~5,028 GWh
- CY2026-to-date NCP1 Peak Load of 779.76MW (~1-in-2 to ~1-in-5)
- High Load Factor (LF) utility with a CY2025 recorded LF of 78.6%
 - Predominantly driven by 92.1% of CY2025 Retail Sales to Industrial Customers





Recommendations for CEC

Specific to 08/12 DAWG

- Develop and maintain stakeholder accessible database of Data Center load metrics, including but not limited to:
 - CEQA submittals for load and operational metrics
 - Ex: IT Load, Power Usage Effectiveness (PUE), Data Hall & Site Square Footage (SQFT)
 - Utilization Factors (UFs)
 - Intra and Inter-Regional Load Transfers
 - Requested versus Realized Demand

General

- Continue coordination for statewide transmission and resource planning
 - Continue streamline update processes between load forecast and transmission planning
 - Ex: Conforming versus Non-Conforming load bus designations & application of Load Modifiers
 - Continue reaching out to stakeholders for load and resource updates, in parallel with commission processes



Questions?

Thank you!

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