



Powering The Center of What's Possible

# ELECTRIC RESOURCE MAP

M-S-R Big Horn I Wind | 105 MW

M-S-R Big Horn II Wind | 17 MW

South Feather Power Project | 78 MW

Grizzly Hydroelectric | 20 MW  
Outage due to PG&E Transmission

Camp Far West | 6.8 MW

Stony Creek Hydroelectric | 11.6 MW

G2 Landfill Gas | 1.3 MW

NCPA Geothermal | 55.7 MW

Western Area Power Administration (WAPA) | 136 MW

Altamont Wind Projects | 49.5 MW  
Coming 12/2023

NCPA Lodi Energy Center Natural Gas | 72 MW

Ameresco Vasco Landfill Gas | 4.6 MW

NCPA Calaveras Hydroelectric | 91.4 MW

NCPA Combustion Turbine Facilities | 31 MW

Tri-Dam Small Hydroelectric | 16.2 MW

## IN TOWN RESOURCES 📍 Santa Clara, CA

Jenny Strand Solar PV System | 100 kW

Tasman Parking Structure Solar PV | 400 kW

Ameresco Santa Clara Landfill Gas | 750 kW

Donald Von Raesfeld Power Plant | 147 MW

Cogeneration Plant #1 | 7 MW

Gianera Generating Station | 49.5 MW

230 kV Transmission Line | 400 MW Capacity

Ameresco Forward Landfill Gas | 4.6 MW

Tri-Dam Large & Small Hydroelectric | 109.5 MW

Central 40 Solar | 40 MW

Rio Bravo Hydroelectric | 14.4 MW

Friant Small Hydroelectric | 25 MW

Manzana Wind Power | 50 MW

Friant II Small Hydroelectric | 7 MW

Rosamond Solar | 20 MW

## LEGEND

- Wind
- Hydroelectric
- Solar
- Landfill
- Natural Gas
- Geothermal

## SVP Jointly Owned Transmission Projects

- California-Oregon Transmission Project
- Tesla-Midway Transmission Service

# City of Santa Clara Electric Resource Map



Wind

## M-S-R Big Horn I Wind Project

Location: **Brickleton, WA**  
 Ownership: **Avangrid (PPA)**  
 Size: **200 MW; 105 MW to SVP**  
 Completed: **2006**

## M-S-R Big Horn II Wind Project

Location: **Brickleton, WA**  
 Ownership: **Avangrid (PPA)**  
 Size: **50 MW; 17 MW to SVP**  
 Completed: **2010**

## Manzana Wind Power Project

Location: **Kern County, CA**  
 Ownership: **Avangrid (PPA)**  
 Size: **189 MW; 50 MW to SVP**  
 Completed: **2012**

## Altamont Wind Projects

Location: **Alameda County, CA**  
 Ownership: **sPower (PPA)**  
 Size: **49.5 MW**  
 Projected: **Coming 12/2023**



Hydroelectric

## WAPA Central Valley Project

Location: **Multiple**  
 Ownership: **WAPA (PPA)**  
 Size: **136 MW to SVP**  
 Completed: **1985**

## NCPA Calaveras Hydroelectric Project

Location: **Stanislaus River Basin**  
 Ownership: **NCPA (JPA)**  
 Size: **252 MW; 91.4 MW to SVP**  
 Completed: **1990**

## Grizzly Hydroelectric Project

Location: **Plumas County**  
 Ownership: **Silicon Valley Power**  
 Size: **20 MW**  
 Completed: **1993**

## Stony Creek Hydroelectric System

Location: **Stony Creek River System**  
 Ownership: **Silicon Valley Power**  
 Size: **11.6 MW**  
 Completed: **1998**

## Tri-Dam Large & Small Hydroelectric Project

Location: **Tuolumne County, CA**  
 Ownership: **The Tri-Dam Project (PPA)**  
 Size: **109.5 MW**  
 Completed: **2014**

## Tri-Dam Small Hydroelectric Project

Location: **Tuolumne County, CA**  
 Ownership: **The Tri-Dam Project (PPA)**  
 Size: **16.2 MW**  
 Completed: **2016**

## Friant I Small Hydroelectric Project

Location: **Fresno County, CA**  
 Ownership: **Friant Power Authority (PPA)**  
 Size: **25 MW**  
 Completed: **2016**

## Friant II Small Hydroelectric Project

Location: **Fresno County, CA**  
 Ownership: **Friant Power Authority (PPA)**  
 Size: **7 MW**  
 Completed: **2017**

## Rio Bravo

Location: **Kern County, CA**  
 Ownership: **Olcese Water District (PPA)**  
 Size: **14 MW**  
 Completed: **2019**

## Camp Far West Hydroelectric Project

Location: **Plumas County, CA**  
 Ownership: **SSWD (PPA)**  
 Size: **6.8 MW**  
 Completed: **2022**

## South Feather Power Project

Location: **Butte, Plumas, and Yuba County, CA**  
 Ownership: **SFWPA (PPA)**  
 Size: **78 MW**  
 Completed: **2021**



Solar

## Jenny Strand Solar PV System

Location: **Santa Clara, CA**  
 Ownership: **Silicon Valley Power**  
 Size: **100 KW**  
 Completed: **2012**

## Tasman Parking Structure Solar PV

Location: **Santa Clara, CA**  
 Ownership: **Silicon Valley Power**  
 Size: **400 KW**  
 Completed: **2013**

## Rosamond Solar

Location: **Kern County, CA**  
 Ownership: **Recurrent Energy (PPA)**  
 Size: **20 MW**  
 Completed: **2013**

## Central 40 Solar

Location: **Merced County, CA**  
 Ownership: **Central 40 LLC (PPA)**  
 Size: **40 MW**  
 Completed: **2021**



Landfill

## G2 Landfill Gas

Location: **Wheatland, CA**  
 Ownership: **G2Energy (PPA)**  
 Size: **1.3 MW**  
 Completed: **2009**

## Ameresco Santa Clara Landfill Gas

Location: **Santa Clara, CA**  
 Ownership: **Ameresco (PPA)**  
 Size: **750 KW**  
 Completed: **2009**

## Ameresco Forward Landfill Gas

Location: **Manteca, CA**  
 Ownership: **Ameresco (PPA)**  
 Size: **4.6 MW**  
 Completed: **2014**

## Ameresco Vasco Landfill Gas

Location: **Livermore, CA**  
 Ownership: **Ameresco (PPA)**  
 Size: **4.6 MW**  
 Completed: **2014**



Natural Gas

## Cogeneration Plant #1

Location: **Santa Clara, CA**  
 Ownership: **Silicon Valley Power**  
 Size: **7 MW**  
 Completed: **1981**

## NCPA Combustion Turbine Facilities

Location: **Alameda & Lodi, CA**  
 Ownership: **NCPA (JPA)**  
 Size: **75 MW; 31 MW to SVP**  
 Completed: **1986**

## Gianera Generating Station

Location: **Santa Clara, CA**  
 Ownership: **Silicon Valley Power**  
 Size: **49.5 MW**  
 Completed: **1986**

## Donald Von Raesfeld Power Plant

Location: **Santa Clara, CA**  
 Ownership: **Silicon Valley Power**  
 Size: **147 MW**  
 Completed: **2005**

## NCPA Lodi Energy Center

Location: **Lodi, CA**  
 Ownership: **NCPA (JPA)**  
 Size: **280 MW; 72 MW to SVP**  
 Completed: **2012**

## NCPA Geothermal Project

Location: **Sonoma/Lake County**  
 Ownership: **NCPA (JPA)**  
 Size: **116 MW; 55.7 MW to SVP**  
 Completed: **1983**

**NOTE** | For pre-existing resources, the Completed date indicates when SVP began taking deliveries.

