



# ELECTRIC RESOURCE MAP

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

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

Stony Creek Hydroelectric | 11.6 MW

NCPA Combustion Turbine Facilities | 31 MW

NCPA Geothermal | 52 MW

Grizzly Hydroelectric | 20 MW

Altamont Wind Power | 20 MW

G2 Landfill Gas | 1.3 MW

Ameresco Vasco Landfill Gas | 4.6 MW

Western Area Power Administration (WAPA) | 136 MW

NCPA Lodi Energy Center Natural Gas | 72 MW

## IN TOWN RESOURCES 📍 Santa Clara, CA



Donald Von Raesfeld Power Plant | 147 MW

Cogeneration Plant #1 | 7 MW

Gianera Generating Station | 49.5 MW

Graphics Packaging Co-gen | 27.7 MW

230 kV Transmission Line | 400 MW Capacity



Jenny Strand Solar PV System | 100 kW

Tasman Parking Structure Solar PV | 400 kW



Ameresco Santa Clara Landfill Gas | 750 kW

Ameresco Forward Landfill Gas | 4.6 MW

NCPA Calaveras Hydroelectric | 91.4 MW

Tri-Dam Small Hydroelectric | 16.2 MW

M-S-R / San Juan Coal  
51 MW  
Divesting - Dec 31, 2017

Friant I Small Hydroelectric | 25 MW

Tri-Dam Large & Small Hydroelectric | 109.5 MW

Manzana Wind Power | 50 MW

Friant II Small Hydroelectric | 7 MW

Rosamond Solar | 20 MW

## LEGEND



Wind



Solar



Geothermal



Hydroelectric



Landfill



Natural Gas



Coal

## SVP Jointly Owned Transmission Projects

California-Oregon Transmission Project



Tesla-Midway Transmission Service



# City of Santa Clara Electric Resource Map



Wind

## Altamont Wind Re-power Project

Location: **Alameda County, CA**  
 Ownership: **Seawest, LLC (PPA)**  
 Size: **49.5 MW**  
 Projected: **2019**

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

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

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

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

## Manzana Wind Power Project

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



Hydroelectric

## Stony Creek Hydroelectric System

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

## Grizzly Hydroelectric Project

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

## Western Area Power Administration

Location: **Sacramento, CA**  
 Ownership: **WAPA (PPA)**  
 Size: **multiple; 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**

## 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**



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**



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

## NCPA Combustion Turbine Facilities

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

## NCPA Lodi Energy Center

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

## Donald Von Raesfeld Power Plant

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

## Cogeneration Plant #1

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

## Gianera Generating Station

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

## Graphics Packaging Co-gen

Location: **Santa Clara, CA**  
 Ownership: **Graphics (PPA)**  
 Size: **27.7 MW**  
 Completed: **2016**



Geothermal

## NCPA Geothermal Project

Location: **Sonoma/Lake County**  
 Ownership: **NCPA (JPA)**  
 Size: **116 MW; 52 MW to SVP**  
 Completed: **1983**



Coal

## M-S-R/San Juan Coal

Location: **Four Corners, NM**  
 Ownership: **M-S-R (JPA)**  
 Size: **507 MW; 51 MW to SVP**  
 Completed: **1983**  
 Divesting: **December 31, 2017**

Together with our partners at M-S-R and other owners, SVP successfully divested from this coal plant resulting in the closure of 50% of the operating units.

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