

DOCKETED








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Document Title:	Silicon Valley Power Electric Resource Map as an Exhibit
Description:	Exhibit 510 SVP Electric Resource Map
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Powering The Center of What's Possible

ELECTRIC RESOURCE MAP

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

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



Grizzly Hydroelectric | 20 MW



NCPA Geothermal | 52 MW



G2 Landfill Gas | 1.3 MW



Altamont Wind Projects | 49.5 MW



Western Area Power Administration (WAPA) | 136 MW



Ameresco Vasco Landfill Gas | 4.6 MW



NCPA Lodi Energy Center Natural Gas | 72 MW



NCPA Calaveras Hydroelectric | 91.4 MW



Tri-Dam Small Hydroelectric | 16.2 MW



Tri-Dam Large & Small Hydroelectric | 109.5 MW



Central 40 Solar | 40 MW



Ameresco Forward Landfill Gas | 4.6 MW



Friant I Small Hydroelectric | 25 MW



Manzana Wind Power | 50 MW



Friant II Small Hydroelectric | 7 MW



Rosamond Solar | 20 MW



Viento Loco Wind | 200 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

Altamont Wind Projects

Location: **Alameda County, CA**
 Ownership: **sPower**
 Size: **49.5 MW**
 Projected: **2020**

Viento Loco Wind

Location: **Lincoln County, NM**
 Ownership: **Pattern Wind (PPA)**
 Size: **200 MW**
 Projected: **2021**

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**



Hydroelectric

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**

Grizzly Hydroelectric Project

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

Tri-Dam Small Hydroelectric Project

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

Western Area Power Administration

Location: **Sacramento, CA**
 Ownership: **WAPA (PPA)**
 Size: **multiple; 136 MW to**
 Completed: **1985**

Friant I Small Hydroelectric Project

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

NCPA Calaveras Hydroelectric Project

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

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**

Central 40 Solar

Location: **Merced County, CA**
 Ownership: **Central 40 LLC (PPA)**
 Size: **40 MW**
 Projected: **2020**



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**

NCPA Geothermal Project

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

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

