

City of Santa Clara Electric Resources



M-S-R BIG HORN I WIND PROJECT
105 MW



M-S-R BIG HORN II WIND PROJECT
17 MW



NCPA GEOTHERMAL PROJECT
52 MW



STONY CREEK HYDROELECTRIC SYSTEM
11.6 MW



GRIZZLY HYDROELECTRIC PROJECT
20 MW



NCPA COMBUSTION TURBINE FACILITIES
31 MW



G2 LANDFILL GAS
1.3MW



ALTAMONT WIND POWER PROJECT
20 MW



WESTERN AREA POWER ADMINISTRATION (WAPA)
136 MW



M-S-R / SAN JUAN COAL
51 MW



NCPA LODI ENERGY CENTER NATURAL GAS
72 MW



NCPA CALAVERAS HYDROELECTRIC PROJECT
91.4 MW



TRI-DAM LARGE & SMALL HYDROELECTRIC PROJECT
109.5 MW



UTILITY SCALE SOLAR
20 MW



MANZANA WIND POWER PROJECT
50 MW



IN TOWN RESOURCES

Location: Santa Clara, CA

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



Jenny Strand Solar PV System
100 KW

Tasman Parking Structure Solar PV
400 KW



Ameresco Santa Clara Landfill Gas
750 KW

LEGEND



Wind



Solar



Geothermal



Hydroelectric



Landfill



Natural Gas



Coal

SVP Jointly Owned Transmission Projects

California-Oregon Transmission Project (TANC)
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Tesla-Midway Transmission Service (TANC)

Southwest Transmission Project (M-S-R)
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Wind



Altamont Wind Power Project

Location: Alameda County, CA
Ownership: Seawest, LLC (PPA)
Size: 20 MW
Completed: 1985

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 Large & Small Hydroelectric Project

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

Friant I Small Hydroelectric Project

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

Friant II Small Hydroelectric Project

Location: Fresno County, CA
Ownership: Friant Power Authority (PPA)
Size: 7 MW
Projected: 2015

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

Utility Scale Solar Electric

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

Geothermal



NCPA Geothermal Project

Location: Sonoma/Lake county
Ownership: NCPA (JPA)
Size: 116 MW; 52 MW to SVP
Completed: 1988

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