



**ANNUAL REPORT TO THE CALIFORNIA ENERGY COMMISSION:**  
**Power Source Disclosure Program**  
**Schedule 1 and 2, applicable to: Load Serving Entities**  
**For the Year Ending December 31, 2017**

Load serving entities are required to use the posted template and are not allowed to make edits to this format.  
Please fill out the company name and contact information.

**GENERAL INSTRUCTIONS**

|                                             |                                                                                                         |
|---------------------------------------------|---------------------------------------------------------------------------------------------------------|
| COMPANY NAME                                |                                                                                                         |
| City of Santa Clara/Silicon Valley Power    |                                                                                                         |
| PRODUCT NAME (If Multiple Products Offered) |                                                                                                         |
|                                             |                                                                                                         |
| CONTACT INFORMATION                         |                                                                                                         |
| Name                                        | Kathleen Hughes                                                                                         |
| Title                                       | Division Manager                                                                                        |
| Mailing Address                             | 1500 Warburton Ave                                                                                      |
| City, State, Zip                            | Santa Clara, CA, 95050                                                                                  |
| Phone                                       | (408) 615-6632                                                                                          |
| E-mail                                      | <a href="mailto:khughes@santaclaraca.gov">khughes@santaclaraca.gov</a>                                  |
| Website for PCL Posting                     | www.siliconvalleypower.com or direct at<br>www.siliconvalleypower.com/powermix (will be live in August) |

Please fill out the schedules that apply to your company's filing requirements. Provide the annual report and attestation together in PDF format and the annual report in an excel file by email to [PSDprogram@energy.ca.gov](mailto:PSDprogram@energy.ca.gov).  
Remember to fill in the company name above, submit separate reports and attestations for each additional product if multiple electric service products are offered. Report procurements in MWh (not kWh).

**NOTE:** Information submitted in this report is not automatically held confidential. If your company wishes the information submitted to be considered confidential an authorized representative must submit an application for confidential designation (CEC-13), which can be found on the California Energy Commissions's website at  
[http://www.energy.ca.gov/commission/chief\\_counsel/documents/CEC13.pdf](http://www.energy.ca.gov/commission/chief_counsel/documents/CEC13.pdf)

If you have questions, contact PSD staff at [PSDprogram@energy.ca.gov](mailto:PSDprogram@energy.ca.gov) or (916) 653-6222.



## INTRODUCTION

Each worksheet, with the exception of the Attestation, is identified by a schedule number and a title that describes the information to be entered. Power Source Disclosure Program participants are only required to submit schedules that are relevant to their role. If you need to report as a power pool, please use Schedules 3 and 4 found on the PSD webpage: <http://www.energy.ca.gov/pcl/>

The following schedules are required for load serving entities:

| Schedule # | Schedule Name                          |
|------------|----------------------------------------|
| 1          | Power Procurements and Retail Sales    |
| 2          | Annual Power Content Label Calculation |
| N/A        | Attestation                            |



## ANNUAL REPORT TO THE CALIFORNIA ENERGY COMMISSION: Power Source Disclosure Program

For the Year Ending December 31, 2017  
SCHEDULE 1: POWER PROCUREMENTS AND RETAIL SALES  
Applicable to: Load Serving Entities

INSTRUCTIONS: Enter information about power procurements supporting all electricity products for which your company is filing the Annual Report. If you need additional rows, add them from the INSERT menu. Please list all purchases (Specified and Unspecified purchases) as line items under the Facility Name heading. If a procurement was for unbundled REC's include the term "REC Only" in parentheses after the facility name in the Facility Name column, and categorize the power as the fuel type of the generating facility from which the unbundled REC was derived. If procured power was from a transaction that expressly transferred energy only and not the REC's associated with that energy, identify the power as "Unspecified Power" in the Fuel Type column.

| ALL PROCUREMENTS (Specified and Unspecified)                      |          |               |                              |        |                                      |              |            |                    |                             |                  |
|-------------------------------------------------------------------|----------|---------------|------------------------------|--------|--------------------------------------|--------------|------------|--------------------|-----------------------------|------------------|
| Facility Name                                                     | Unit No. | Fuel Type     | Location (State or Province) | RPS ID | WREGIS GU ID                         | EIA ID       | FERC OF ID | Gross MWh Procured | MWh Resold or Self-Consumed | Net MWh Procured |
| WAPA Large Hydro                                                  |          | Large Hydro   | CA                           | n/a    | W1156, W1157, W1158, W1159, W1160, V |              |            | 439276             |                             | 439276           |
| WAPA Small Hydro                                                  |          | Small Hydro   | CA                           | #####  | W1177, W1161, W1108                  |              |            | 8972               |                             | 8972             |
| Stony Creek                                                       |          | Small Hydro   | CA                           | 61750  | W1011                                | 7151         | H0500      | 13331              |                             | 13331            |
| Grizzly Hydro                                                     |          | Small Hydro   | CA                           | 61935  | W1252                                | 7338         | H0213      | 91209              |                             | 91209            |
| Friant Power Authority                                            | FR1      | Small Hydro   | CA                           | 60156  | W594                                 | 50393        |            | 78200              |                             | 78200            |
| Friant Power Authority                                            | M1       | Small Hydro   | CA                           | 62380  | W798                                 | 50393        |            | 41649              |                             | 41649            |
| Friant Power Authority                                            | RO1      | Small Hydro   | CA                           | 62381  | W799                                 | 50393        |            | 10945              |                             | 10945            |
| Friant Power Authority - Quinten Luallen                          | RO2      | Small Hydro   | CA                           | 61594  | W5058                                |              |            | 31454.37           |                             | 31454.37         |
| NCPA Spicer Hydro                                                 |          | Small Hydro   | CA                           | 61580  | W1260                                | 54554        | H0356      | 13419              |                             | 13419            |
| Tridam-Beardsley                                                  |          | Small Hydro   | CA                           | 60072  | W787                                 | 414          | H0022      | 83752              |                             | 83752            |
| Tridam-Tulloch                                                    |          | Small Hydro   | CA                           | 60071  | W788, W787                           | 416          | H0527      | 139518             |                             | 139518           |
| Tridam-Sandbar                                                    |          | Small Hydro   | CA                           | 60188E | W489A                                | 50400        |            | 121426             |                             | 121426           |
| Black Butte Hydro                                                 |          | Small Hydro   | CA                           | 61751  | W1010                                | 7229         | H0046      | 17818.31           |                             | 17818.31         |
| High Line                                                         |          | Small Hydro   | CA                           | 62633  | W3557                                | 7224         | H0235      | 289                |                             | 289              |
| Manzana Wind                                                      |          | Wind          | CA                           | 61671  | W3105                                |              |            | 134023             |                             | 134023           |
| NCPA Geothermal Plant No. 1                                       | 1        | Geothermal    | CA                           | 60908  | W1254                                | 7368         | T0039      | 99,929             | 73858                       | 26071            |
| NCPA Geothermal Plant No. 1                                       | 2        | Geothermal    | CA                           | 60909  | W1255                                | 7368         | T0039      | 85,202             | 85202                       | 0                |
| NCPA Geothermal Plant No. 2                                       | 4        | Geothermal    | CA                           | 60911  | W1257                                | 7369         | T0040      | 157,741            | 127940                      | 29801            |
| Geothermal Unit 182 Onsite Load (OSL)                             |          | Geothermal    | CA                           | 60908  | W4883                                |              |            | 6,263              |                             | 6,263            |
| Geothermal Solar Unit 1 - Geo. Solar 1 Clearlake                  |          | Solar         | CA                           | 62040  | W1509                                |              |            | 408                |                             | 408              |
| Geothermal Solar Unit 2 - Geo. Solar 2 Middletown                 |          | Solar         | CA                           | 62041  | W2792                                |              |            | 919                |                             | 919              |
| Hydro, Solar - Hydro, Solar1                                      |          | Solar         | CA                           | 62543  | W1266                                |              |            | 16                 |                             | 16               |
| Big Horn - Big Horn Wind Project LLC                              |          | Wind          | WA                           | 60776  | W240                                 |              |            | 246454             |                             | 246454           |
| Big Horn II - Big Horn II                                         |          | Wind          | WA                           | 61201  | W1688                                |              |            | 41572              |                             | 41572            |
| Recurrent Solar - Rosemond 1                                      |          | Solar         | CA                           | 60855  | W3858                                | 58499        | S0288      | 57672.39           |                             | 57672.39         |
| Jenny strand PV Park                                              |          | Solar         | CA                           | 63065  | W3565                                |              |            | 199.57             |                             | 199.57           |
| Santa Clara-Tioga Canopy                                          |          | Solar         | CA                           | 62563  | W3579                                |              |            | 539.12             |                             | 539.12           |
| G2 Energy Ostrom Rd - G2 Energy Ostrom Rd.                        |          | Landfill gas  | CA                           | 61206  | W1565, W39                           | 57133        | E0237      | 11049              |                             | 11049            |
| Ameresco Santa Clara                                              |          | Landfill gas  | CA                           | 62413  | W3583                                |              |            | 2149.73            |                             | 2149.73          |
| Ameresco Forward                                                  |          | Landfill gas  | CA                           | 62389  | W3584                                |              | E0252      | 32578.56           |                             | 32578.56         |
| Ameresco Vasco                                                    |          | Landfill gas  | CA                           | 61300  | W3581                                |              | E0071      | 33130.42           |                             | 33130.42         |
| NCPA Large Hydro (Collierville)                                   |          | Large Hydro   | CA                           | n/a    |                                      | 54555        | H0107      | 388675             | 10000                       | 378675           |
| TriDam - Donnels                                                  |          | Large Hydro   | CA                           | n/a    |                                      | 415          | H0145      | 432664.62          |                             | 432664.62        |
| NCPA Lodi Energy Center                                           |          | Natural Gas   | CA                           | n/a    |                                      | 57978        | G1009      | 186655             | 186655                      | 0                |
| Santa Clara DVR                                                   |          | Natural Gas   | CA                           | n/a    |                                      | 56026        | G0169      | 642405.61          | 236778                      | 405627.61        |
| Santa Clara Cogen                                                 |          | Natural Gas   | CA                           | n/a    |                                      | 7232         | G0114      | 46571.8            |                             | 46571.8          |
| GPI-PPA                                                           |          | Natural Gas   | CA                           | n/a    |                                      | 54561        | G0144      | 121512.36          |                             | 121512.36        |
| Gianera                                                           |          | Natural Gas   | CA                           | n/a    |                                      | 7231         |            | 5510.49            | 5510.49                     | 0                |
| Lodi CT                                                           |          | Natural Gas   | CA                           | n/a    |                                      |              |            | 1764               | 1764                        | 0                |
| Alameda                                                           |          | Natural Gas   | CA                           | n/a    |                                      |              |            | 5514               | 5514                        | 0                |
| San Juan Coal                                                     |          | Coal          | NM                           | n/a    |                                      | 1006727/2451 |            | 331293             |                             | 331293           |
| unspecified                                                       |          | unspecified   |                              | n/a    |                                      |              |            | 93335              |                             | 93335            |
| Biomass One LP "REC Only"                                         |          | Biomass       | OR                           | 61204A | W2556                                |              |            | 40000              |                             | 40000            |
| Birch Creek Power "REC Only"                                      |          | Hydroelectric | ID                           | 61378A | W1952                                |              |            | 2260               |                             | 2260             |
| Dry Creek Project "REC Only"                                      |          | Hydroelectric | ID                           | 61381A | W2011                                |              |            | 3636               |                             | 3636             |
| Falls Creek Hydro "REC Only"                                      |          | Hydroelectric | OR                           | 61375A | W225                                 |              |            | 2936               |                             | 2936             |
| Lacomb Irrigation District Hydro Project "REC Only"               |          | Hydroelectric | OR                           | 61440A | W2210                                |              |            | 864                |                             | 864              |
| Marsh Valley Project "REC Only"                                   |          | Hydroelectric | ID                           | 61380A | W2009                                |              |            | 2034               |                             | 2034             |
| Middle Fork Irrigation District "REC Only"                        |          | Hydroelectric | OR                           | 61383A | W1877                                |              |            | 4693               |                             | 4693             |
| Mink Creek Hydro "REC Only"                                       |          | Hydroelectric | ID                           | 61425A | W2049                                |              |            | 1593               |                             | 1593             |
| Opal Springs Hydro "REC Only"                                     |          | Hydroelectric | OR                           | 61439A | W2041                                |              |            | 6715               |                             | 6715             |
| Farmers Irrigation District Turgo - Plant 2 "REC Only"            | 2        | Hydroelectric | OR                           | 61366A | W1898                                |              |            | 2991               |                             | 2991             |
| Farmers Irrigation District Peters Drive Dam - Plant 3 "REC Only" | 3        | Hydroelectric | OR                           | 61366A | W1910                                |              |            | 1404               |                             | 1404             |
| North Fork Hydro - Sprague Hydro LLC "REC Only"                   |          | Hydroelectric | OR                           | 61379A | W2012                                |              |            | 874                |                             | 874              |

Total Net Purchases 3,593,784

Total Retail Sales 3,523,784



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**SCHEDULE 2: ANNUAL POWER CONTENT LABEL CALCULATION**  
**Applicable to: Load Serving Entities**

INSTRUCTIONS: Total specific purchases (by fuel type) and enter these numbers in the first column. Null power purchases should be included with Unspecified Power. REC only purchases should be included as part of the fuel type they represent. Total retail sales information from Schedule 1 will autopopulate on this schedule. Any difference between total net purchases and total retail sales will be applied pro-rata to each non-renewable fuel type. Each fuel type total will then be divided by retail sales to calculate fuel mix percentages.

|                                 | Net Purchases<br>(MWh) | Percent of Total<br>Retail Sales (MWh) |
|---------------------------------|------------------------|----------------------------------------|
| <b>Specific Purchases</b>       |                        |                                        |
| Renewable                       | 1,344,828              | 38%                                    |
| Biomass & Biowaste              | 118,908                | 3%                                     |
| Geothermal                      | 62,135                 | 2%                                     |
| Eligible hydroelectric          | 681,983                | 19%                                    |
| Solar                           | 59,754                 | 2%                                     |
| Wind                            | 422,049                | 12%                                    |
| Coal                            | 331,293                | 9%                                     |
| Large Hydroelectric             | 1,250,616              | 34%                                    |
| Natural Gas                     | 573,712                | 16%                                    |
| Nuclear                         |                        | 0%                                     |
| Other                           |                        | 0%                                     |
| <b>Total Specific Purchases</b> | <b>3,500,449</b>       | <b>97%</b>                             |
| <b>Unspecified Power (MWh)</b>  | <b>93,335</b>          | <b>3%</b>                              |
| <b>Total</b>                    | <b>3,593,784</b>       | <b>100%</b>                            |
| <b>Total Retail Sales (MWh)</b> | <b>3,523,784</b>       |                                        |

Comments:



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**ATTESTATION FORM**

**Applicable to: All participants in the Power Source Disclosure Program**

I, Deanna J. Santana, City Manager, declare under penalty of perjury, that the statements contained in Schedules PSD Schedule 1 and PSD Schedule 2 are true and correct and that I, as an authorized agent of the City of Santa Clara dba Silicon Valley Power, have authority to submit this report on the company's behalf. I further declare that the megawatt-hours claimed as specific purchases as shown in these Schedules were, to the best of my knowledge, sold once and only once to retail consumers.

Name: Deanna J. Santana

Signed: \_\_\_\_\_

Dated: \_\_\_\_\_