



June 5, 2014

Honorable Board of Supervisors  
County of Alameda  
1221 Oak Street, Suite 536  
Oakland, California 94612-4305

Dear Board Members:

**SUBJECT: REPORT ON THE REGIONAL RENEWABLE ENERGY PROCUREMENT  
(R-REP) REQUEST FOR QUALIFICATIONS AND PROPOSALS (RFQ/RFP)  
NO. 901098**

**RECOMMENDATIONS:**

- A. Accept and review a report on the outcome of Regional Renewable Energy Procurement (R-REP) Request for Qualifications and Proposals (RFQ/RFP), Master Contract No. 901098; and
- B. Approve the pool of R-REP Qualified Bidder to enable General Services Agency and other Participating Agencies to negotiate Power Purchase Agreements or Direct Purchase Contracts with any of these Qualified Bidders, as authorized in California Public Utilities Code Section 388.

**DISCUSSION/SUMMARY:**

On June 12, 2012, your Board approved the Resolution of Support for Alameda County's leadership of the R-REP project; Delegation of Authority to the Director, General Services Agency (GSA), or designee, to approve renewable energy site survey contracts for various County of Alameda properties, at a not-to-exceed cost of \$2,200 per site with an anticipated total cost of \$66,000; and approved in concept, the inclusion of various County properties in the R-REP project, with a total estimated project budget of \$25,000,000 (Item #23, File #28222). Subsequently, on February 26, 2013, your Board authorized the Director of GSA to include sixteen (16) County properties in the R-REP; authorized delegation of authority to the Purchasing Agent to execute and amend Agreements and transfer funds as necessary for Master Contract No 901053; amend the Capital Improvement Plan to increase the project budget for R-REP to \$966,000, and authorized the Auditor-Controller to make budgetary adjustments (Item #20, File #28757).

Your Board then approved and authorized a Memorandum of Understanding (MOU), between the County of Alameda and seventeen (17) agencies participating in the R-REP on March 12,

2013 (Item #13, File #28757), and with Alameda County Fire Department (ACFD) on July 16, 2013 (Item #13, File #28961).

Finally, on September 17, 2013, your Board authorized the Director of GSA to advertise and publish the Regional Renewable Energy Procurement (R-REP) Request for Qualifications and Proposals (RFQ/RFP), Master Contract No. 901098, on behalf of the nineteen (19) public agencies participating in the collaborative procurement; approved a Resolution relating to R-REP workforce initiative including: a 40% local hiring Good Faith Effort plan, partnerships with workforce entities in the participating jurisdictions and definition of “local ” as the 9 County Bay Area; authorized Delegation of Authority to Director of GSA to make exceptions to County standard procurement policies and practices in order to conduct the solicitation on behalf of the nineteen (19) public agencies; and authorized the Director of GSA to issue a “Notice of Recommendation to Award” announcement to R-REP Participating Agencies upon completion of the solicitation (Item #36, File #29006).

The County of Alameda is the Lead Agency for the R-REP, an initiative that utilized collaborative procurement to purchase renewable energy systems for public agencies throughout Alameda, Contra Costa, San Mateo and Santa Clara Counties. In addition to the County of Alameda, eighteen (18) other public agencies participated in the project. The R-REP solicitation included 186 sites, totaling over 31 megawatts of renewable energy. See Attachment 1 for a list of agencies and sites included in the solicitation. Sites were grouped into 11 bid bundles organized based upon the type of technology, system size and geography. Vendors were able to bid on one or more of the bid bundles.

The R-REP RFQ/RFP was structured as an indefinite quantity, multiple award, best value solicitation. In addition, this solicitation was conducted in accordance with Government Code Section 4217.10, et seq., and specifically, Section 4217.16, which authorizes public agencies to solicit proposals from qualified persons and to award a contract on the basis of the experience of the Firm, the type of technology employed by the Firm, the cost to the local agency, and any other relevant considerations, provided that the projects deliver net cost savings to the public agency. Upon selection of vendors, Participating Agencies were provided summary sheets of the financial analysis for each of their sites with pricing as bid, such that they may make the findings consistent with Code Section 4217.10. *California Public Utilities Code Section 388, allows governmental entities to conduct a pre-qualification such as was conducted in the R-REP RFQ phase to establish a list of qualified vendors.*

The RFQ/RFP included innovative elements designed to meet the needs of the County and Participating Agencies in this unique, regional collaboration. These elements included financing options, standardized agreement terms, extensive technical specifications, site-specific data, workforce and unique contracting requirements and project management expense recovery terms. Each is briefly described below:

- Financing options - To provide flexibility to each agency, various financing options were sought including direct purchase, power purchase agreement (PPA), lease financing or other alternatives.

- Standardized Agreement terms - General PPA and Standard Agreement terms were agreed upon by the Participating Agencies counsel prior to the solicitation and described in the R-REP RFP.
- Technical Specification Requirements - Technical requirements for each site and PV, solar thermal or fuel cell technologies were defined.
- Detailed site data - Detailed information on existing Pacific Gas & Electric (PG&E) rates, as-built drawings, hazardous materials reports, and other site specific information was gathered and provided to vendors as part of the RFP materials.
- Workforce Plans - Bidders were required to submit workforce plans containing good-faith effort commitments to achieve 40% local hiring on all projects undertaken.
- Unique contracting requirements - The RFP contained a requirement that the recommended bidders meet all unique contracting requirements, including workforce/local hire requirements, as appropriate for the County and each Participating Agency.
- Project Management Expense Recovery - The bidders were instructed to include in their PPA pricing 3.5% of the proposed direct purchase price for cost recovery of Participating Agency project management expenses associated with delivery of the project sites. This project management recovery option was not included in direct acquisition pricing, as there are no opportunities to amortize the expense.

Based on feasibility studies that were completed prior to issuing the RFP, total design and construction costs across all agencies are an estimated \$131,000,000 if all 186 projects included in the solicitation were paid for through a cash acquisition. The feasibility studies were conducted by one or more of the following firms: kW Engineering; Information & Energy Services, Inc.; Optony, Inc.; Kenwood Energy; and/or Energy Solutions. These feasibility studies were validated by the RFP consulting team of Newcomb Anderson McCormick, Optony, Inc., and KNN.

R-REP successfully accomplished its objective of achieving economies of scale through the collaborative procurement. An analysis of R-REP bid pricing compared to pricing achieved by other public agencies in the Bay Area for solar projects shows that R-REP achieved pricing lower than those projects, for all but one of the bundles included in the solicitation. Comparing prices as bid by both recommended vendors, R-REP bid bundles on average achieved price reductions between 17% and 45% below market comparables. Average pricing as bid for the PPA purchase option across all bundles ranged from a low of \$0.09-to-\$0.16/kWh compared to market comparables of \$0.18-to-\$0.21/kWh. Average pricing as bid for the cash purchase option across all bundles ranged from a low of \$2.48- to-\$3.77/total installed cost/Watt compared to the California Solar Initiative governmental site market comparable of \$3.50 to \$4.67 total installed cost/Watt (see Attachment 2). It should be noted that final pricing will be determined based upon negotiated agreements with each Participating Agency.

Based on proposed pricing, total design and construction costs across all agencies for those sites that received bids (sites in Bundles BA2, L1, M1, M2, M3 and M4) are estimated at \$58,300,000. The total net benefit under cash acquisition for all sites that received bids is approximately \$108,800,000. For only the County's sites, in the case that all sites are developed and the renewable energy systems are purchased and operated by the County under proposed pricing, the total net benefit over 25 years is an estimated \$53,100,000. It is unlikely, however, that the County or the Participating Agencies will directly acquire all of the renewable energy systems and instead will likely finance either through third-party financing such as Power Purchase Agreements (PPA) or equipment leases, or they will finance using State and federal incentives such as Clean Renewable Energy Bonds. If sites are developed under a PPA, the total 25-year net benefit for all sites that received bids (sites in Bundles BA2, L1, M1, M2, M3 and M4) is estimated at \$51,800,000, and if all of the County's sites are developed using PPAs, there would be approximately \$27,900,000 in net savings over 25 years.

GSA and seven other Participating Agencies currently hold reservations for California Solar Initiative (CSI) rebates with the program administrator, PG&E, for a total of over \$5,000,000. These reservations will expire on July 21, 2014 without a signed contract. See attached list of Participating Agencies that hold CSI reservations (Attachment 3).

Your Board's action of accepting this report will conclude the recommendations for award phase of the RFP and, per the terms of the MOU, enable each Participating Agency to proceed with their independent actions to either accept or reject the proposed bid pricing and award contracts for their sites.

SELECTION CRITERIA/PROCESS:

*On June 10, 2013, the County issued a Request for Information (RFI), which was distributed via email not only through the County's EGOV bulletin to a total of 3,763 recipients, but also to the members of SolarTech and CalSEIA, two local non-profit solar trade organizations comprised of small and large firms. In addition, the Alameda County Purchasing Department notified 43 solar vendors of the RFI directly via email. In addition, Alameda County conducted outreach at three events targeting small, local businesses in advance of issuing the RFP.*

*The RFP was released on September 18, 2013 and was posted in three different categories as both an RFP and a RFQ: Architectural and Engineering (A&E), Construction, and Professional Services. An EGOV bulletin was sent to Subscribers of GSA A&E - Current Contracting Opportunities, GSA Construction - Current Contracting Opportunities, and GSA Professional Services - Current Contracting Opportunities.*

*On the morning of October 4, 2013 the County hosted a bidders conference to provide an opportunity for interested vendors to attend live or via web-conference, and to allow them to ask questions regarding the RFP. On the afternoon of the same day a networking conference was held. On December 6, 2013, a mandatory workforce development conference was held to allow qualified vendors and local job development agencies to network. This event was attended by job development agencies, prime vendors and subcontractors.*

*On October 22, 2013, 20 vendors submitted RFQ responses, 17 of which were deemed qualified. The nature of the disqualifications ranged from not demonstrating adequate prior experience, to simply not filling out the entire the questionnaire, which made it impossible to judge their ability to meet the qualifications. This list of qualified vendors may be used by Participating Agencies for further renewable energy solicitations as part of the indefinite quantity, multiple award solicitation structure. The qualified vendors were instructed to submit proposals. On January 14, 2014, 14 responses were received for six out of the 11 bid bundles that were included in the RFP. Bid responses were not received for the (2) small solar PV bundles, the (1) Solar Thermal, (1) Fuel Cell, and (1) Alternative bundle (BA1). Upon conclusion of contract negotiations, County staff will conduct a survey of all bidders to obtain further information on the entire RFP process. Upon receipt of the bid proposals, a completeness check was conducted and it was determined that responses submitted by three vendors, Gestamp Asetym Solar North America, Inc., AMSolar, LLC and Cool Earth Solar, Inc. were incomplete, and therefore these bids were disqualified. The remaining bidders were qualified to move forward in the R-REP solicitation and per PUC 388 are qualified to receive future bid price requests from the County and Participating Agencies.*

*Bids were evaluated by the County Selection Committee (CSC) comprised of representatives from County of Alameda Community Development Agency, UC Berkeley, Hayward Area Recreation and Park District, County of Alameda Technical Services Department, City of Oakland and County of Santa Clara. Proposals were evaluated on the basis of firm experience, financial stability, technical proposals, cost, financing plan, etc., as described in the RFP attachment Exhibit G, Proposal Evaluation Matrix. To assist the Selection Committee, the County's consultants, Newcomb Anderson McCormick, Optony, Inc., and KNN reviewed the bid proposals and prepared an analysis of financial and technical criteria. References were extensively checked.*

*A shortlist of six vendors were selected to move on to the vendor interviews. Vendors were selected for interviews based upon the following criteria: a maximum of five bidders per bundle; only those bidders who scored above 300 points; and no bidders that scored a zero or one for the cost criteria.*

*SunEdison Government Solutions, LLC and Solar City Corporation were the highest ranked bidders for the bundles specified below, and are being recommended for award.*

*GSA and the Participating Agencies are currently negotiating PPA Terms and Conditions with SunEdison and Solar City. If negotiations with these two top ranked vendors fail to finalize acceptable PPA language, GSA and the Participating Agencies will negotiate with the next ranked vendor in that bundle or if there is not a next ranked vendor in a particular bundle, they will negotiate one of the other six shortlisted vendors.*

*A maximum total of 500 evaluation points were available for this RFP. The following are evaluation summaries by bundle:*

***EVALUATION SUMMARY***

***Highest Ranked Bidders by Bundle***

<b>Bundle</b>	<b>Vendor</b>	<b>Ranking</b>	<b>Points</b>
BA2	SunEdison Government Solutions, LLC	1	441.17
L1	SunEdison Government Solutions, LLC	1	444.30
M1	SunEdison Government Solutions, LLC	1	446.67
M2	SolarCity Corporation	1	377.50
M3	SunEdison Government Solutions, LLC	1	444.67
M4	SolarCity Corporation	1	367.67

***Detailed Scores by Bundle and Bidder***

<b>Bundle</b>	<b>Vendor</b>	<b>Ranking</b>	<b>Points</b>
BA2	SunEdison Government Solutions, LLC	1	441.17
BA2	SunEdison Government Solutions, LLC Prepay PPA	2	420.83
BA2	Borrego Solar Alternate	3	420.40
BA2	Borrego Solar	4	419.63
BA2	Sun Power Corporation, Systems	5	411.67
BA2	Ecoplexus, Inc.	6	403.97
BA2	Cupertino Electric, Inc.	7	363.17
BA2	Cupertino Electric, Inc. Plan B	8	356.77

<b>Bundle</b>	<b>Vendor</b>	<b>Ranking</b>	<b>Points</b>
L1	SunEdison Government Solutions, LLC	1	444.30
L1	Borrego Solar Systems, Inc. 1000V UCB	2	411.83
L1	Borrego Solar Systems, Inc. 600V	3	410.23
L1	Borrego Solar Systems, Inc.	4	408.57
L1	Ecoplexus, Inc.	5	398.00
L1	Sun Power Corporation, Systems	6	383.17
L1	SolarCity Corporation	7	343.30

<b>Bundle</b>	<b>Vendor</b>	<b>Ranking</b>	<b>Points</b>
M1	SunEdison Government Solutions, LLC	1	446.67
M1	Ecoplexus, Inc.	2	390.70

Bundle	Vendor	Ranking	Points
M2	SolarCity Corporation	1	377.5

Bundle	Vendor	Ranking	Points
M3	SunEdison Government Solutions, LLC	1	444.67
M3	Ecoplexus, Inc.	2	396.70

Bundle	Vendor	Ranking	Points
M4	SolarCity Corporation	1	367.67
M4	Cupertino Electric, Inc.	2	363.47

*The County of Alameda's Small Local Emerging Business provisions were waived during the conduct of this multi-jurisdictional solicitation. However, on September 17, 2013, your Board approved a Resolution relating to R-REP workforce initiative including, a 40% local hiring Good Faith Effort plan, partnerships with workforce entities in the participating jurisdictions and definition of "local" as the 9 county Bay Area. Furthermore, applicable unique contract requirements will be imposed by each awarding authority, as appropriate and as described in the RFP. In addition to meeting unique contracting requirements, both vendors have committed to a 40% local hiring plan and provided a copy of that plan in their bid proposals. Contracts entered into by the County will meet all program requirements for Small Local Emerging Business (SLEB) and the Enhanced Construction Outreach Program (ECOP).*

FINANCING:

There are no financial implications associated with approval of the recommended actions. The recommended actions pertaining to the County of Alameda sites are included in separate Board letters.

Respectfully submitted,

Aki K. Nakao  
 Interim Director, General Services Agency

Attachments

cc: Susan S. Muranishi, County Administrator  
 Patrick J. O'Connell, Auditor-Controller  
 Donna R. Ziegler, County Counsel

Participant	Site	Street	City	County	Usage (kWh)	Technology	Installation Type	Recommended System Capacity (kW <sub>DC</sub> )	Estimated Year 1 Production (kWh)	Offset	Bundle
Alameda County Fire Department	Fire Station #24	1430 164th Ave	Ashland	Alameda	119,320	Solar PV	Roof Mounted	68.0	89,680	75%	M2
Alameda County Fire Department	Fire Station #25	20336 San Miguel Ave	Castro Valley	Alameda	60,777	Solar PV	Roof Mounted	34.5	45,499	75%	M2
Alameda County Fire Department	Fire Station #25B	20336 San Miguel Ave	Castro Valley	Alameda	21,157	Solar PV	Roof Mounted	12.0	15,826	75%	M2
Alameda County Fire Department	Fire Station #26	18770 Lake Chabot Rd	Castro Valley	Alameda	21,261	Solar PV	Roof Mounted	11.5	15,750	74%	S2
Alameda County Fire Department	Fire Station #6	19778 Cull Canyon Rd	Castro Valley	Alameda	32,028	Solar PV	Roof Mounted	17.0	24,106	75%	S2
Alameda County Fire Department	Fire Station #7	6901 Villareal Dr	Castro Valley	Alameda	20,846	Solar PV	Roof Mounted	11.0	15,598	75%	S2
Alameda County Fire Department	Fire Station #8	1617 College Ave	Livermore	Alameda	30,759	Solar PV	Roof Mounted	17.5	23,079	75%	S2



<b>Castro Valley Sanitary District</b>	<b>CVSan Main Facility</b>	21040 Marshall Street	Castro Valley	Alameda	40,680	Solar PV	Carport / Rooftop	18.5	30,487	75%	S1
<b>Central Contra Costa Sanitary District</b>	<b>Household Hazardous Waste Collection Facility</b>	4797 Imhoff Place	Martinez	Contra Costa	52,200	Solar PV	Ground Mounted / Carport	32.4	42,701	82%	M3
<b>Central Contra Costa Sanitary District</b>	<b>Collection Systems Operations (CSO) Facility</b>	1250 Springbrook Road	Walnut Creek	Contra Costa	248,056	Solar PV	Carport / Rooftop	156.0	205,136	83%	M3
<b>Central Contra Costa Sanitary District</b>	<b>Vehicle Repair Building - Meter 1 and Meter 2</b>	1266 Springbrook Road	Walnut Creek	Contra Costa	42,719	Solar PV	Carport	29.0	39,274	92%	M3
<b>City of Berkeley</b>	<b>Francis Albrier Recreation Center</b>	2800 Park St	Berkeley	Alameda	146,549	Solar PV	Ground Mounted / Rooftop	42.4	48,211	33%	BA
<b>City of Berkeley</b>	<b>Public Safety Building</b>	2100 Martin Luther King Jr. Way	Berkeley	Alameda	1,246,733	Solar PV	Carport / Rooftop	107.6	141,095	11%	BA
<b>City of Berkeley</b>	<b>Live Oak Park Recreation Center</b>	1301 Shattuck Ave	Berkeley	Alameda	80,059	Solar PV	Roof Mounted	34.0	48,211	60%	BA
<b>City of Berkeley</b>	<b>Transfer Station Administration Buildings</b>	1235 2nd St	Berkeley	Alameda	99,933	Solar PV	Carport / Rooftop	62.6	84,864	85%	BA

<b>City of Berkeley</b>	<b>Sather Gate Garage</b>	2450 Durant Ave	Berkeley	Alameda	244,211	Solar PV	Carport	90.5	119,354	49%	BA
<b>City of Berkeley</b>	<b>Emergency Services Warehouse</b>	1011 Folger Ave	Berkeley	Alameda	24,248	Solar PV	Roof Mounted	13.0	18,434	76%	S2
<b>City of Berkeley</b>	<b>Marina Corporate Yard</b>	235 University Ave	Berkeley	Alameda	44,344	Solar PV	Carport	28.5	37,982	86%	BA
<b>City of Berkeley</b>	<b>James Kenney</b>	1720 8th St.	Berkeley	Alameda	165,040	Solar PV	Roof Mounted	38.3	50,511	31%	BA
<b>City of Berkeley</b>	<b>Fire Station #1</b>	2442 8th St.	Berkeley	Alameda	35,671	Solar PV	Roof Mounted	23.0	30,333	85%	BA
<b>City of Berkeley</b>	<b>Fire Station #2</b>	2029 Berkeley Way	Berkeley	Alameda	78,737	Solar PV	Roof Mounted	51.0	67,260	85%	BA
<b>City of Berkeley</b>	<b>Fire Station #5</b>	2680 Shattuck Ave	Berkeley	Alameda	57,920	Solar PV	Roof Mounted	38.0	49,250	85%	BA
<b>City of Berkeley</b>	<b>Main Library</b>	2090 Kittredge St	Berkeley	Alameda	1,244,003	Solar PV	Roof Mounted	61.9	81,635	7%	BA

<b>City of Berkeley</b>	<b>North Berkeley Senior Center</b>	1901 Hearst	Berkeley	Alameda	69,680	Solar PV	Roof Mounted	46.0	59,250	85%	BA
<b>City of Cupertino</b>	<b>Civic Center - Library</b>	10350 Torre Ave	Cupertino	Santa Clara	1,060,744	Solar PV	Carport / Rooftop	245.0	330,995	31%	M4
<b>City of Cupertino</b>	<b>Corporation Yard (SA-ID 7420; SA-ID 7425 and BRIDGE METER)</b>	10555 Mary Ave	Cupertino	Santa Clara	202,172	Solar PV	Carport	110.0	149,543	74%	M4
<b>City of Emeryville</b>	<b>Senior Center</b>	4321 Salem Street	Emeryville	Alameda	53,671	Solar PV	Roof Mounted	34.5	45,499	85%	S1
<b>City of Emeryville</b>	<b>Corporate Yard</b>	5679 Horton Street	Emeryville	Alameda	66,736	Solar PV	Roof Mounted	43.0	56,709	85%	S1
<b>City of Emeryville</b>	<b>Fire Station #1</b>	2333 Powell Street	Emeryville	Alameda	99,000	Solar PV	Roof Mounted	15.0	21,000	21%	BA
<b>City of Foster City</b>	<b>Foster City Library / Community Center</b>	1000 East Hillsdale Blvd	Foster City	San Mateo	335,080	Solar PV	Carport / Rooftop	222.0	285,096	85%	M4
<b>City of Fremont</b>	<b>Police Station - Main Meter</b>	2000 Stevenson Blvd	Fremont	Alameda	1,185,200	Solar PV	Carport / Rooftop	617.0	853,510	72%	M1

City of Fremont	Police Station - Chiller Meter	2000 Stevenson Blvd	Fremont	Alameda	32,060	Solar PV	Carport / Rooftop	16.0	22,198	69%	M1
City of Fremont	Police Station - Jail Meter	2000 Stevenson Blvd	Fremont	Alameda	412,320	Solar PV	Carport / Rooftop	218.0	301,318	73%	M1
City of Fremont	Police Station - Evidence Warehouse Meter	2000 Stevenson Blvd	Fremont	Alameda	236,880	Solar PV	Carport / Rooftop	109.0	151,221	64%	M1
City of Fremont	Maintenance Center	42551 Osgood Road	Fremont	Alameda	736,320	Solar PV	Carport / Rooftop	420.0	585,988	80%	M1
City of Fremont	Irvington Community Center	41885 Blacow Road	Fremont	Alameda	139,360	Solar PV	Carport / Rooftop	88.0	123,313	88%	M1
City of Fremont	Aqua Adventure Water Park	40500 Paseo Padre Parkway	Fremont	Alameda	364,800	Solar PV	Carport	248.0	343,568	94%	M1
City of Menlo Park	Corporation Yard	333 Burgess Dr	Menlo Park	San Mateo	80,240	Solar PV	Carport / Rooftop	49.0	65,194	81%	S1
City of Menlo Park	Arrillaga Family Gymnasium	600 Alma Street	Menlo Park	San Mateo	278,368	Solar PV	Carport / Rooftop	166.0	222,438	80%	M4

<b>City of Menlo Park</b>	<b>Belle Haven Childcare Center</b>	410 Ivy Drive	Menlo Park	San Mateo	30,320	Solar PV	Roof Mounted	21.0	27,157	90%	S1
<b>City of Menlo Park</b>	<b>Onetta Harris Community Center</b>	100 Terminal Ave	Menlo Park	San Mateo	166,000	Solar PV	Carport / Rooftop	103.0	136,206	82%	M4
<b>City of Menlo Park</b>	<b>Arrillaga Family Gymnastics Center</b>	701 Laurel Street	Menlo Park	San Mateo	1,337,982	Solar PV	Carport / Rooftop	158.0	208,311	16%	M4
<b>City of Mountain View</b>	<b>Bryant Street Parking Garage</b>	135 Bryant Street	Mountain View	Santa Clara	79,280	Solar PV	Carport	38.0	51,608	65%	S1
<b>City of Mountain View</b>	<b>Municipal Operations Center</b>	231 North Whisman Road	Mountain View	Santa Clara	711,754	Solar PV	Carport / Rooftop	411.0	559,349	79%	M4
<b>City of Mountain View</b>	<b>Fire Station #5</b>	2195 Shoreline Blvd	Mountain View	Santa Clara	76,240	Solar PV	Ground Mounted / Carport	46.0	60,750	80%	S1
<b>City of Mountain View</b>	<b>Shoreline Maintenance Facility</b>	2612 N. Shoreline Blvd	Mountain View	Santa Clara	87,040	Solar PV	Carport	51.0	69,460	80%	M4
<b>City of Mountain View</b>	<b>Shoreline Golf Pro Shop</b>	2940 N. Shoreline Blvd	Mountain View	Santa Clara	175,760	Solar PV	Carport / Rooftop	105.4	144,500	82%	M4

City of Oakland	81st Avenue Library	1021 81st Ave	Oakland	Alameda	140,145	Solar PV	Roof Mounted	50.0	70,899	51%	M2
City of Oakland	Arroyo Viejo Recreation Center & Head Start	7701 Krause Ave	Oakland	Alameda	66,200	Solar PV	Roof Mounted	19.1	26,159	40%	S2
City of Oakland	Charles Green Library	659 14th St	Oakland	Alameda	136,940	Solar PV	Roof Mounted	7.0	9,926	7%	S2
City of Oakland	Fire Station 8	463 51st St	Oakland	Alameda	62,047	Solar PV	Roof Mounted	8.0	10,551	17%	S2
City of Oakland	Garden Center	666 Bellevue Ave	Oakland	Alameda	83,123	Solar PV	Roof Mounted	16.6	23,538	28%	S2
City of Oakland	Melrose Branch Library	4805 Foothill Blvd	Oakland	Alameda	31,680	Solar PV	Roof Mounted	19.0	25,058	79%	S2
City of Oakland	Studio One Art Center	365 45th St	Oakland	Alameda	209,531	Solar PV	Roof Mounted	28.0	39,703	19%	S2
City of Oakland	Tassafaronga Recreation Center	975 85th Ave	Oakland	Alameda	67,880	Solar PV	Roof Mounted	36.0	51,047	75%	M2

<b>City of Oakland</b>	<b>Dalziel Building</b>	250 Frank H. Ogawa Plaza	Oakland	Alameda	2,938,619	Solar PV	Roof Mounted	194.0	255,852	9%	M2
<b>City of Oakland</b>	<b>DeFremery Recreation Center</b>	1651 Adeline St	Oakland	Alameda	41,248	Solar PV	Roof Mounted	24.0	31,652	77%	S2
<b>City of Oakland</b>	<b>Fire Station 18</b>	1700 50th Ave	Oakland	Alameda	89,111	Solar PV	Roof Mounted	17.0	22,420	25%	S2
<b>City of Oakland</b>	<b>Fire Station 19</b>	5776 Miles Ave	Oakland	Alameda	43,947	Solar PV	Roof Mounted	25.0	32,971	75%	S2
<b>City of Oakland</b>	<b>Fire Station 24</b>	5900 Shepherd Canyon Rd	Oakland	Alameda	40,072	Solar PV	Roof Mounted	21.0	29,778	74%	S2
<b>City of Oakland</b>	<b>Junior Center of Arts and Science</b>	558 Bellevue Ave	Oakland	Alameda	21,100	Solar PV	Roof Mounted	11.3	16,023	76%	S2
<b>City of Oakland</b>	<b>Mosswood Recreation Center</b>	3612 Webster St	Oakland	Alameda	72,600	Solar PV	Roof Mounted	26.3	37,293	51%	S2
<b>City of Oakland</b>	<b>Municipal Service Center</b>	7101 Edgewater Dr	Oakland	Alameda	544,960	Solar PV	Carport / Rooftop	245.0	323,112	59%	M2

City of Oakland	West Oakland Senior Center	1724 Adeline St	Oakland	Alameda	81,320	Solar PV	Roof Mounted	46.0	65,227	80%	S2
City of Oakland	Wilson Building	150 Frank H. Ogawa Plaza	Oakland	Alameda	2,465,633	Solar PV	Roof Mounted	50.0	65,941	3%	M2
City of Oakland	93rd Ave. Center	93rd Ave. Center	Oakland	Alameda	9,262	Solar PV	Roof Mounted	4.0	5,275	57%	S2
City of Oakland	Brookfield Headstart	9600 Edes Ave	Oakland	Alameda	13,908	Solar PV	Roof Mounted	7.6	10,023	72%	S2
City of Oakland	E. Oakland MSC	9255 Edes Ave	Oakland	Alameda	72,783	Solar PV	Roof Mounted	21.8	28,750	40%	S2
City of Oakland	Firehouse 4	1235 International Blvd	Oakland	Alameda	61,675	Solar PV	Roof Mounted	8.2	11,627	19%	S2
City of Oakland	Firehouse 21	13150 Skyline Blvd	Oakland	Alameda	34,779	Solar PV	Roof Mounted	8.6	12,195	35%	S2
City of Oakland	Firehouse 26	2611 98th Ave	Oakland	Alameda	56,420	Solar PV	Roof Mounted	10.4	14,747	26%	S2



City of Oakland	Firehouse 27	8501 Pardee Dr	Oakland	Alameda	42,965	Solar PV	Roof Mounted	6.4	8,440	20%	S2
City of Oakland	Firehouse 29	1016 66th Ave	Oakland	Alameda	37,790	Solar PV	Roof Mounted	14.5	19,123	51%	S2
City of Oakland	Live Oak Pool	1055 MacArthur Blvd	Oakland	Alameda	91,480	Solar PV	Roof Mounted	9.2	12,133	13%	S2
City of Oakland	Temescal Pool	371 45th St	Oakland	Alameda	109,040	Solar PV	Roof Mounted	13.0	17,145	16%	S2
City of Oakland	Bushrod Recreation Center	560 - 59th St	Oakland	Alameda	103,720	Solar PV	Roof Mounted	59.3	82,976	80%	BA
City of Oakland	Diamond Recreation Center/Lions Pool	3860 Hanly Rd	Oakland	Alameda	148,840	Solar PV	Roof Mounted	85.1	119,072	80%	BA
City of Oakland	Firehouse #01	1605 ML King Wy	Oakland	Alameda	956,080	Solar PV	Roof Mounted	546.3	764,864	80%	BA
City of Oakland	Firehouse #13	1225 Derby Av	Oakland	Alameda	33,238	Solar PV	Roof Mounted	19.0	26,590	80%	BA

City of Oakland	Franklin Recreation Center	1010 E 15th St	Oakland	Alameda	23,896	Solar PV	Roof Mounted	13.7	19,117	80%	BA
City of Oakland	Firehouse #15	455 - 27th St	Oakland	Alameda	58,252	Solar PV	Roof Mounted	33.3	46,602	80%	BA
City of Oakland	Hall of Justice - PAB	455 - 7th St	Oakland	Alameda	3,971,882	Solar PV	Roof Mounted	2269.6	3,177,506	80%	BA
City of Oakland	Allendale Recreation Center	3711 Suter St	Oakland	Alameda	35,280	Solar PV	Roof Mounted	20.2	28,224	80%	BA
City of Oakland	De Fremery Pool	1269 - 18th St	Oakland	Alameda	102,400	Solar PV	Roof Mounted	58.5	81,920	80%	BA
City of Oakland	Diamond Branch Library	3565 Fruitvale Av	Oakland	Alameda	111,023	Solar PV	Roof Mounted	63.4	88,818	80%	BA
City of Oakland	Elmhurst Branch Library	1427 - 88th Av	Oakland	Alameda	16,604	Solar PV	Roof Mounted	9.5	13,283	80%	BA
City of Oakland	F M Smith Recreation Center	1969 Park Bl	Oakland	Alameda	28,572	Solar PV	Roof Mounted	16.3	22,858	80%	BA

<b>City of Oakland</b>	<b>Fire Alarm Building</b>	1310 Oak St	Oakland	Alameda	41,398	Solar PV	Roof Mounted	23.7	33,118	80%	BA
<b>City of Oakland</b>	<b>Fire Department Training Center</b>	250 Victory Ct	Oakland	Alameda	37,720	Solar PV	Roof Mounted	21.6	30,176	80%	BA
<b>City of Oakland</b>	<b>Firehouse #05</b>	934 - 34th St	Oakland	Alameda	40,352	Solar PV	Roof Mounted	23.1	32,282	80%	BA
<b>City of Oakland</b>	<b>Firehouse #12</b>	822 Alice St	Oakland	Alameda	29,561	Solar PV	Roof Mounted	16.9	23,649	80%	BA
<b>City of Oakland</b>	<b>Firehouse #17</b>	3344 High St	Oakland	Alameda	51,224	Solar PV	Roof Mounted	29.3	40,979	80%	BA
<b>City of Oakland</b>	<b>Firehouse #20 (new)</b>	9718 International Blvd	Oakland	Alameda	92,488	Solar PV	Roof Mounted	52.9	73,990	80%	BA
<b>City of Oakland</b>	<b>Firehouse #23</b>	7100 Foothill Bl	Oakland	Alameda	42,842	Solar PV	Roof Mounted	24.5	34,274	80%	BA
<b>City of Oakland</b>	<b>Golden Gate Branch Library</b>	5606 San Pablo Av	Oakland	Alameda	37,998	Solar PV	Roof Mounted	21.7	30,398	80%	BA

City of Oakland	Ira Jenkins (Brookfield) Recreation Ctr	9175 Edes Av	Oakland	Alameda	51,200	Solar PV	Roof Mounted	29.3	40,960	80%	BA
City of Oakland	Garden Center - Nursery	666 Bellevue Av	Oakland	Alameda	83,123	Solar PV	Roof Mounted	30.0	42,000	51%	BA
City of Oakland	Lakeview Branch Library	550 El Embarcadero	Oakland	Alameda	20,177	Solar PV	Roof Mounted	11.5	16,142	80%	BA
City of Oakland	Leona Lodge	4444 Mountain Bl	Oakland	Alameda	5,881	Solar PV	Roof Mounted	3.4	4,705	80%	BA
City of Oakland	Lincoln Square Recreation Center	250 - 10th St	Oakland	Alameda	95,960	Solar PV	Roof Mounted	54.8	76,768	80%	BA
City of Oakland	Main Library (Meter 1)	125 - 14th St	Oakland	Alameda	407,760	Solar PV	Roof Mounted	233.0	326,208	80%	BA
City of Oakland	Main Library (Meter 2)	125 - 14th St	Oakland	Alameda	25,708	Solar PV	Roof Mounted	14.7	20,566	80%	BA
City of Oakland	Manzanita Recreation Center	2701 - 22nd Av	Oakland	Alameda	51,040	Solar PV	Roof Mounted	29.2	40,832	80%	BA

<b>City of Oakland</b>	<b>Montclair Branch Library</b>	1687 Mountain Bl	Oakland	Alameda	26,179	Solar PV	Roof Mounted	15.0	20,943	80%	BA
<b>City of Oakland</b>	<b>Montclair Recreation Center</b>	6300 Moraga Av (6226)	Oakland	Alameda	25,500	Solar PV	Roof Mounted	14.6	20,400	80%	BA
<b>City of Oakland</b>	<b>Poplar Recreation Center</b>	3131 Union St	Oakland	Alameda	53,921	Solar PV	Roof Mounted	30.8	43,137	80%	BA
<b>City of Oakland</b>	<b>Rainbow Recreation Center</b>	5800 International Blvd	Oakland	Alameda	78,960	Solar PV	Roof Mounted	45.1	63,168	80%	BA
<b>City of Oakland</b>	<b>Redwood Recreation Center - new</b>	3883 Aliso Av	Oakland	Alameda	37,640	Solar PV	Roof Mounted	21.5	30,112	80%	BA
<b>City of Oakland</b>	<b>Redwood Recreation Center annex - ( old )</b>	3731 Redwood Rd	Oakland	Alameda	7,966	Solar PV	Roof Mounted	4.6	6,373	80%	BA
<b>City of Oakland</b>	<b>Verdese Carter Recreation Center</b>	9600 Sunnyside St	Oakland	Alameda	21,842	Solar PV	Roof Mounted	12.5	17,474	80%	BA
<b>City of Oakland</b>	<b>Veterans Memorial Hall (Oakland Senior Ctr)</b>	200 Grand Av	Oakland	Alameda	233,120	Solar PV	Roof Mounted	133.2	186,496	80%	BA

<b>City of Oakland</b>	<b>West Oakland Multi-Service Center</b>	1801 Adeline St	Oakland	Alameda	94,640	Solar PV	Roof Mounted	54.1	75,712	80%	BA
<b>City of Oakland</b>	<b>Firehouse #06</b>	7080 Colton Bl	Oakland	Alameda	38,470	Solar PV	Roof Mounted	22.0	30,776	80%	BA
<b>City of Oakland</b>	<b>Firehouse #10</b>	172 Santa Clara Av	Oakland	Alameda	29,660	Solar PV	Roof Mounted	16.9	23,728	80%	BA
<b>City of Oakland</b>	<b>Columbian Gardens Building</b>	9854 Koford Rd	Oakland	Alameda	10,059	Solar PV	Roof Mounted	5.7	8,047	80%	BA
<b>City of Oakland</b>	<b>Firehouse #16</b>	3600 - 13th Av	Oakland	Alameda	30,537	Solar PV	Roof Mounted	17.4	24,430	80%	BA
<b>City of Oakland</b>	<b>Malonga Casquelord/Alice Arts Center (Meter 1)</b>	1428 Alice St	Oakland	Alameda	222,720	Solar PV	Roof Mounted	127.3	178,176	80%	BA
<b>City of Oakland</b>	<b>Malonga Casquelord/Alice Arts Center (Meter 2)</b>	1428 Alice St	Oakland	Alameda	41,568	Solar PV	Roof Mounted	23.8	33,254	80%	BA
<b>City of Oakland</b>	<b>Malonga Casquelord/Alice Arts Center (Meter 3)</b>	1428 Alice St	Oakland	Alameda	32,520	Solar PV	Roof Mounted	18.6	26,016	80%	BA

City of Oakland	Malonga Casquelord/Alice Arts Center (Meter 4)	1428 Alice St	Oakland	Alameda	29,440	Solar PV	Roof Mounted	16.8	23,552	80%	BA
City of Oakland	Firehouse #28	4615 Grass Valley Rd	Oakland	Alameda	41,834	Solar PV	Roof Mounted	23.9	33,467	80%	BA
City of Oakland	Franklin Garage	411 - 19th St	Oakland	Alameda	176,640	Solar PV	Roof Mounted	100.9	141,312	80%	BA
City of Oakland	Montclair Garage	6235 LaSalle Av	Oakland	Alameda	111,671	Solar PV	Roof Mounted	63.8	89,337	80%	BA
City of Oakland	Fremont Pool	4550 Foothill Bl (4559)	Oakland	Alameda	98,580	Solar PV	Roof Mounted	56.3	78,864	80%	BA
City of Oakland	Necklace of Lights - Meter 1	Lakeshore & Brooklyn Ave	Oakland	Alameda	7,832	Solar PV	Shade Structure	4.5	6,266	80%	BA
City of Oakland	Necklace of Lights - Meter 2	600 Bellevue Ave	Oakland	Alameda	4,555	Solar PV	Shade Structure	2.6	3,644	80%	BA
City of Oakland	Necklace of Lights - Meter 3	568 Bellevue Ave	Oakland	Alameda	36,000	Solar PV	Shade Structure	20.6	28,800	80%	BA

<b>City of Oakland</b>	<b>Necklace of Lights - Meter 4</b>	Grand Ave & Montecito Ave	Oakland	Alameda	2,694	Solar PV	Shade Structure	1.5	2,155	80%	BA
<b>City of Oakland</b>	<b>Necklace of Lights - Meter 5</b>	Lakeside Drive & 17th St	Oakland	Alameda	6,844	Solar PV	Shade Structure	3.9	5,475	80%	BA
<b>City of Oakland</b>	<b>Necklace of Lights - Meter 6</b>	Lakeside Drive & E. 18th St	Oakland	Alameda	29,535	Solar PV	Shade Structure	16.9	23,628	80%	BA
<b>City of Oakland</b>	<b>Necklace of Lights - Meter 7</b>	Lakeside Drive & E. 18th St	Oakland	Alameda	7,191	Solar PV	Shade Structure	4.1	5,753	80%	BA
<b>City of Redwood City</b>	<b>Red Morton Community Center</b>	1120 Roosevelt Ave	Redwood City	San Mateo	382,560	Solar PV	Carport / Rooftop	183.5	269,623	70%	M4
<b>City of Richmond</b>	<b>Civic Center Plaza - Auditorium</b>	403 Civic Center Plaza	Richmond	Contra Costa	1,105,141	Solar PV	Carport / Rooftop	498.0	668,889	61%	M3
<b>City of Richmond</b>	<b>Dispatch Center</b>	326 27th Street	Richmond	Contra Costa	240,720	Solar PV	Carport / Rooftop	128.0	171,121	71%	M3
<b>City of Richmond</b>	<b>Park Administration Offices</b>	3201 Leona Avenue	Richmond	Contra Costa	40,607	Solar PV	Carport	23.0	29,573	73%	S1



<b>City of Richmond</b>	<b>Nevin Community Center</b>	598 Nevin Avenue	Richmond	Contra Costa	64,720	Solar PV	Roof Mounted	34.6	45,621	70%	S1
<b>City of Richmond</b>	<b>Booker T. Anderson Community Center</b>	960 South 47th Street	Richmond	Contra Costa	58,920	Solar PV	Roof Mounted	36.3	48,577	82%	S1
<b>City of Richmond</b>	<b>Fire Station # 62</b>	1065 7th Street	Richmond	Contra Costa	44,580	Solar PV	Roof Mounted	33.0	44,236	99%	S1
<b>City of Richmond</b>	<b>Fire Station # 63</b>	5201 Valley View Road	Richmond	Contra Costa	65,040	Solar PV	Carport	18.0	24,774	38%	S1
<b>City of Richmond</b>	<b>Fire Station # 68</b>	2904 Hilltop Drive	Richmond	Contra Costa	75,520	Solar PV	Carport / Rooftop	38.0	50,910	67%	S1
<b>City of Walnut Creek</b>	<b>Heather Farm Community Center</b>	301 N. San Carlos Dr	Walnut Creek	Contra Costa	165,920	Solar PV	Carport	107.0	140,053	84%	M3
<b>City of Walnut Creek</b>	<b>Boundary Oak Golf Course</b>	13800 Valley Vista Rd	Walnut Creek	Contra Costa	384,240	Solar PV	Carport	226.0	299,898	78%	M3
<b>City of Walnut Creek</b>	<b>Broadway Parking Garage</b>	1650 N. Broadway	Walnut Creek	Contra Costa	53,200	Solar PV	Carport	35.4	47,065	88%	M3

<b>City of Walnut Creek</b>	<b>North Locust Parking Garage</b>	1625 Locust St	Walnut Creek	Contra Costa	272,840	Solar PV	Carport	146.0	194,110	71%	M3
<b>City of Walnut Creek</b>	<b>South Locust Parking Garage</b>	1350 Locust St	Walnut Creek	Contra Costa	148,000	Solar PV	Carport	80.5	105,411	71%	M3
<b>County of Alameda</b>	<b>Alco Park</b>	165 13th St	Oakland	Alameda	367,387	Solar PV	Carport / Rooftop	171.0	225,519	61%	M2
<b>County of Alameda</b>	<b>Contract Services</b>	2425 E 12th St	Oakland	Alameda	192,960	Solar PV	Roof Mounted	125.6	171,349	89%	M2
<b>County of Alameda</b>	<b>Eden Township Station</b>	15001 Foothill Blvd	San Leandro	Alameda	434,785	Solar PV	Carport	144.0	189,911	44%	M2
<b>County of Alameda</b>	<b>County Administration Building</b>	1221 Oak St	Oakland	Alameda	4,303,761	Solar PV	Roof Mounted	86.9	120,142	3%	M2
<b>County of Alameda</b>	<b>Emergency Op Center (EOC)</b>	2000 150th Ave	San Leandro	Alameda	615,216	Solar PV	Carport / Rooftop	85.0	112,100	18%	M2
<b>County of Alameda</b>	<b>GSA Comm-Coyote Hill</b>	Jarvis Rd	Fremont	Alameda	108,956	Solar PV	Ground Mount	67.5	92,448	85%	M2

County of Alameda	Fremont Library	2400 Stevenson Blvd	Fremont	Alameda	1,100,256	Solar PV	Roof Mounted	178.0	247,877	23%	M2
County of Alameda	Hayward Parking Structure	24360 Amador St	Hayward	Alameda	66,520	Solar PV	Carport	40.0	54,989	83%	S2
County of Alameda	Martinelli Event Center	3575 Greenville Rd	Livermore	Alameda	163,792	Solar PV	Roof Mounted	23.0	35,129	21%	S2
County of Alameda	Martinelli Event Center (GROUND MOUNT)	3575 Greenville Rd	Livermore	Alameda	RES-BCT	RES-BCT	Ground Mount	3974.4			L1
County of Alameda	Peralta Oaks	2901 Peralta Oaks Ct	Oakland	Alameda	79,440	Solar PV	Carport / Rooftop	85.0	112,100	141%	M2
County of Alameda	SSA Enterprise	8477 Enterprise Way	Oakland	Alameda	578,400	Solar PV	Carport / Rooftop	186.7	247,960	80%	M2
County of Alameda	SSA-Adult, Aging Family Services	7751 Edgewater Dr	Oakland	Alameda	480,960	Solar PV	Carport / Rooftop	128.8	173,477	80%	M2
County of Alameda	Turner Court	951 Turner Ct	Hayward	Alameda	586,690	Solar PV	Carport / Rooftop	358.0	153,567	80%	M2

<b>County of Alameda</b>	<b>Jackson Center</b>	1111 Jackson St	Oakland	Alameda	1,013,218	Solar PV	Roof Mounted	131.1	172,766	17%	M2
<b>County of Alameda</b>	<b>Jackson Center</b>	1111 Jackson St	Oakland	Alameda	1,013,218	Fuel Cell		100.0	876,000	86%	F1
<b>County of Alameda</b>	<b>Santa Rita Jail</b>	5325 Broder Blvd	Dublin	Alameda	8,224,579	Solar PV	Carport / Rooftop / Ground Mounted	1991.0	2,847,467	35%	L1
<b>County of Alameda</b>	<b>Winston Ave - Landfill Site</b>	4001 West Winston Ave	Hayward	Alameda	Not Available	Solar PV	Ground Mount	5000.0	7,445,400	N/A	BA
<b>County of Alameda</b>	<b>Santa Rita Jail</b>	5325 Broder Blvd	Dublin	Alameda	8,224,579	Fuel Cell		1400.0			F1
<b>County of Contra Costa</b>	<b>Office of Emergency Services</b>	50 Glacier Dr	Martinez	Contra Costa	718,173	Solar PV	Carport / Rooftop	151.0	206,983	29%	M3
<b>County of Contra Costa</b>	<b>Sheriff-Coroner - Forensic Science Center</b>	1960 Muir Rd	Martinez	Contra Costa	625,336	Solar PV	Carport	385.0	527,737	84%	M3
<b>County of Contra Costa</b>	<b>Dept. of Public Works</b>	255 Glacier Dr	Martinez	Contra Costa	153,333	Solar PV	Carport / Rooftop	84.0	115,143	75%	M3

<b>County of Contra Costa</b>	<b>West County Health Center - Parking Garage</b>	13601 San Pablo Ave	San Pablo	Contra Costa	767,523	Solar PV	Carport	281.0	370,590	48%	M3
<b>County of Contra Costa</b>	<b>Sheriff-Coroner - Patrol &amp; Investigation</b>	1980 Muir Rd	Martinez	Contra Costa	371,840	Solar PV	Carport	230.0	315,272	85%	M3
<b>County of Contra Costa</b>	<b>Juvenile Detention Center (2 meters)</b>	202 Glacier Dr	Martinez	Contra Costa	2,175,401	Solar PV	Carport / Rooftop	325.0	445,493	20%	M3
<b>County of San Mateo</b>	<b>EPA Building</b>	2415 University Ave	East Palo Alto	San Mateo	738,034	Solar PV	Carport	237.0	332,443	45%	M4
<b>County of San Mateo</b>	<b>Elections Building</b>	40 Tower Rd	San Mateo	San Mateo	199,504	Solar PV	Roof Mounted	112.0	169,110	85%	M4
<b>County of San Mateo</b>	<b>SMMC</b>	299 W 39th St	San Mateo	San Mateo	11,579,660	Solar PV	Carport / Rooftop	907.0	1,272,262	11%	L1
<b>Hayward Area Recreation and Park District (HARD)</b>	<b>District Offices/Corporation Yard (ROOFTOP)</b>	1099 E Street	Hayward	Alameda	234,132	Solar PV	Carport/Rooftop	147.0	191,306	82%	M1
<b>Hayward Area Recreation and Park District (HARD)</b>	<b>Hayward Plunge</b>	24176 Mission Blvd	Hayward	Alameda	121,085	Solar PV	Carport	63.0	81,864	80%	M1

<b>Hayward Area Recreation and Park District (HARD)</b>	<b>Skywest Golf Course</b>	1401 Golf Course Rd	Hayward	Alameda	54,128	Solar PV	Carport	27.0	35,290	80%	S1
<b>Hayward Area Recreation and Park District (HARD)</b>	<b>Mission Hills Golf Course</b>	225 Industrial Pkwy	Hayward	Alameda	409,893	Solar PV	Carport	262.0	336,624	80%	M1
<b>Hayward Area Recreation and Park District (HARD)</b>	<b>Kenneth Aitken Senior &amp; Community Center</b>	17800 Redwood Road	Castro Valley	Alameda	64,748	Solar PV	Carport	43.0	56,203	80%	S1
<b>UC Berkeley</b>	<b>Golden Bear Building</b>	1995 University Ave	Berkeley	Alameda	1,796,400	Solar PV	Carport / Rooftop	110.0	145,071	8%	M1
<b>UC Berkeley</b>	<b>University Village</b>	1125 Jackson St	Albany	Alameda	4,139,479	Solar PV	Carport	556.0	733,266	18%	L1
<b>UC Berkeley</b>	<b>Eshleman</b>	Bancroft Way at Telegraph Ave	Berkeley	Alameda	Campus	Solar PV	Roof Mounted	53.0	69,898		M1
<b>UC Berkeley</b>	<b>Haas Pavilion</b>	Bancroft Way at Dana St	Berkeley	Alameda	Campus	Solar PV	Roof Mounted	230.0	326,135		M1
<b>UC Berkeley</b>	<b>MLK</b>	Bancroft Way at Telegraph Ave	Berkeley	Alameda	Campus	Solar PV	Roof Mounted	112.0	147,708		M1

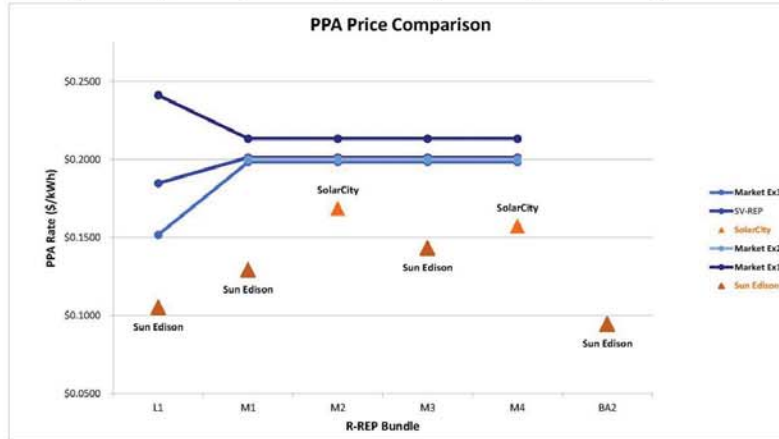
<b>UC Berkeley</b>	<b>Recreational Sports Facility</b>	Bancroft Way at Ellsworth St	Berkeley	Alameda	Campus	Solar PV	Roof Mounted	197.0	259,808		M1
<b>UC Berkeley</b>	<b>Plant Services</b>	2000 Carleton St	Berkeley	Alameda	651,610	Solar PV	Carport / Rooftop	175.0	230,794	35%	M1
<b>UC Berkeley</b>	<b>Berkeley Art Center/Museum</b>	2155 Center Street	Berkeley	Alameda	Campus	Solar PV	Roof Mounted	75.0	112,500		BA

**R-REP Solar Project Pricing Review by Bundle**

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**PPA Pricing Comparison**

Bundle	Sun Edison	SolarCity	Market Ex1	Market Ex2	Market Ex3	SV-REP
L1	\$ 0.1051		\$ 0.2411		\$ 0.1517	\$ 0.1847
M1	\$ 0.1291		\$ 0.2133	\$ 0.2001	\$ 0.1982	\$ 0.2012
M2		\$ 0.1685	\$ 0.2133	\$ 0.2001	\$ 0.1982	\$ 0.2012
M3	\$ 0.1432		\$ 0.2133	\$ 0.2001	\$ 0.1982	\$ 0.2012
M4		\$ 0.1572	\$ 0.2133	\$ 0.2001	\$ 0.1982	\$ 0.2012
BA2	\$ 0.0945					



**Notes:**

SunEdison: This column shows the weighted average of SunEdison's proposed pricing per bundle  
 SolarCity: This column shows the weighted average of SolarCity's proposed pricing per bundle  
 Market Ex1: This column shows the weighted average of a similar project (29 sites/13 agencies) that was recently procured in 2014  
 Market Ex2: This column shows the weighted average of a similar project (4 sites/1 agency) that was recently completed in 2013  
 Market Ex3: This column shows the weighted average of a similar project (11 sites/1 agency) that was procured in 2012  
 Market Ex4: This column shows the weighted average of a similar project (8 sites / 2 agencies) that was completed in 2012  
 SV-REP: This column shows the weighted average of the SV-REP project (38 sites/9 agencies) that was completed in 2012  
 CSI: This column shows the weighted average from the CSI database with the following assumptions: Large >300kW-DC / Medium 75 - 300kW-DC, Alameda/San Francisco/San Mateo/Santa Clara/Sonoma County, Completed/In-Payment projects, Government/Non-profit host customer, and First confirmed reservation date from January 2013 - March 2014

**Data Grouping:** Circles & Lines in blue range: Market examples of actual pricing  
 Triangles in Orange range: Actual vendor prices

**Direct Purchase Pricing Comparison**

Bundle	Sun Edison	SolarCity	Market Ex1	Market Ex2	Market Ex4	CSI
L1	\$ 2.483		\$ 4.160			\$ 3.530
M1	\$ 2.692		\$ 3.507	\$ 3.749	\$ 4.517	\$ 4.672
M2		\$ 3.770	\$ 3.507	\$ 3.749	\$ 4.517	\$ 4.672
M3	\$ 3.059		\$ 3.507	\$ 3.749	\$ 4.517	\$ 4.672
M4		\$ 3.517	\$ 3.507	\$ 3.749	\$ 4.517	\$ 4.672





CONDITIONAL CSI RESERVATIONS RECEIVED				
Agency	Site Name	CSI Reservation No.	CSI - AC System Size	Reservation Incentive Amount
County of Alameda	Santa Rita Jail	PGE-CSI-70004	943.801 kW	\$727,550
City of Foster City	Library and Community Center	PGE-CSI-69540	191.073 kW	\$147,294
City of Cupertino	Cupertino Library	PGE-CSI-69939	236.197 kW	\$182,084
	City Service Center	PGE-CSI-69938	83.071 kW	\$64,039
City of Oakland	Fire house #18	PGE-CSI-70016	39.134 kW	\$30,167
	West Oakland Senior Center	PGE-CSI-70028	44.995 kW	\$34,686
	Municipal Service Center	PGE-CSI-70029	227.7 kW	\$175,527
	Garden Center	PGE-CSI-70020	16.8 kW	\$12,962
	81st Avenue Library	PGE-CSI-70010	39.134 kW	\$30,167
	Melrose Branch Library	PGE-CSI-70023	14.888 kW	\$11,477
	Charles Green Library	PGE-CSI-70011	11.51 kW	\$8,596
	Fire house #29	PGE-CSI-70019	13.662 kW	\$10,531
	East Oakland MSC	PGE-CSI-70015	20.419 kW	\$15,741
	Fire house #19	PGE-CSI-70017	23.507 kW	\$18,122
	Fire house #24	PGE-CSI-70018	14.092 kW	\$10,863
	DeFremery Recreation Center	PGE-CSI-70014	23.321 kW	\$17,978
	Mosswood Recreation Center	PGE-CSI-70024	32.581 kW	\$25,116
	Junior Center of Art and Science	PGE-CSI-70021	10.343 kW	\$7,974
	Studio One Art Center	PGE-CSI-70025	41.892 kW	\$32,294
	Arroyo Viejo Recreation Center & Head Start	PGE-CSI-70012	12.196 kW	\$9,401
	Tassafaronga Recreation Center	PGE-CSI-70026	33.113 kW	\$25,526
Contra Costa County	Dept. of Public Works	PGE-CSI-69813	93.570 kW	\$72,131
	Sheriff-Coroner - Forensic Science Center	PGE-CSI-69821	334.723 kW	\$258,031
	Sheriff-Coroner - Patrol & Investigation	PGE-CSI-69845	190.025 kW	\$146,485
	Juvenile Detention Center	PGE-CSI-69825	471.970 kW	\$363,831
	Office of Emergency Services	PGE-CSI-69829	93.771 kW	\$72,285
	West County Health Center - Parking Garage	PGE-CSI-69806	451.183 kW	\$347,807
City of Menlo Park	Corporation Yard	PGE-CSI-70043	42.249 kW	\$30,788
	Arillage Family Gymnasium	PGE-CSI-70044	121.466 kW	\$88,516
	Bell Haven Child Care Center	PGE-CSI-70045	16.351 kW	\$11,917
	Onette Harris Community Center	PGE-CSI-70046	99.919 kW	\$72,814
	Arillaga Gymnastics Center	PGE-CSI-70047	249.53 kW	\$181,926
City of Fremont	Police Station - Main Meter	PGE-CSI-70084	826.078 kW	\$636,821
	Aqua Adventure Water Park	PGE-CSI-70083	206.825 kW	\$159,441
County of San Mateo	San Mateo Medical Center	PGE-CSI-70037	939.950 kW	\$724,587
	Elections Building	PGE-CSI-70036	93.532 kW	\$72,102
	EPA Building	PGE-CSI-70034	235.585 Kw	\$181,612