

SUHSD: Solar PV Savings Relative to Utility Purchased Power

SCHOOL SITE	Solar kWh ¹	Solar Rate \$/kWh ²	Solar \$ ³	Utility kWh ⁴	Avg Billed Utility Rate ⁵	Adj Utility Rate ⁶	Fiscal Yr End 2016 Utility Cost ⁷	Cost Savings ⁸	Adj Cost Savings ⁹	Date of Op. ¹⁰	Solar Yr ¹¹
Bonita Vista Middle	398,618	\$ 0.171010	\$ 68,168	174,739	\$ 0.2185	\$ 0.2185	\$ 38,179	\$ 18,927	\$ 18,927	12/13/2013	4
Castle Park Middle	399,319	\$ 0.171010	\$ 68,287	181,686	\$ 0.2916	\$ 0.2400	\$ 52,981	\$ 48,156.95	\$ 27,549	12/13/2013	4
Stephen Hawkings	Included with CPMS										
Chula Vista Middle	165,245	\$ 0.171010	\$ 28,259	455,490	\$ 0.2444	\$ 0.2400	\$ 111,334	\$ 12,132	\$ 11,400	12/13/2013	4
EastLake Middle	487,756	\$ 0.171010	\$ 83,411	418,819	\$ 0.2991	\$ 0.2400	\$ 125,282	\$ 62,492	\$ 33,650	12/13/2013	4
Granger Junior	209,812	\$ 0.166029	\$ 34,835	280,331	\$ 0.3121	\$ 0.2400	\$ 87,482	\$ 30,640	\$ 15,520	10/3/2014	3
Hilltop Middle	286,840	\$ 0.166029	\$ 47,624	143,844	\$ 0.2710	\$ 0.2400	\$ 38,980	\$ 30,106	\$ 21,218	9/24/2014	3
Mar Vista Academy	369,042	\$ 0.171010	\$ 63,110	168,760	\$ 0.2952	\$ 0.2400	\$ 49,823	\$ 45,842	\$ 25,460	12/13/2013	4
Montgomery Middle	-			617,627	\$ 0.2360		\$ 145,732	\$ -	\$ -	n/a	
National City Middle	-			433,860	\$ 0.2848		\$ 123,553	\$ -	\$ -	n/a	
Rancho del Rey Middle	348,043	\$ 0.171010	\$ 59,519	460,740	\$ 0.2072	\$ 0.2072	\$ 95,487	\$ 12,612	\$ 12,612	2/21/2014	4
Southwest Middle	255,704	\$ 0.166029	\$ 42,454	332,060	\$ 0.2049	\$ 0.2049	\$ 68,052	\$ 9,949	\$ 9,949	9/24/2014	3
Stephen Hawkings	Included with SWMS										
Bonita Vista High	1,123,092	\$ 0.176140	\$ 197,822	186,880	\$ 0.3342	\$ 0.2400	\$ 62,464	\$ 177,568	\$ 71,721	12/21/2012	5
Castle Park High	751,047	\$ 0.176140	\$ 132,289	190,625	\$ 0.2699	\$ 0.2400	\$ 51,443	\$ 70,392	\$ 47,962	12/21/2012	5
Chula Vista High	423,758	\$ 0.176140	\$ 74,641	1,022,033	\$ 0.2508	\$ 0.2400	\$ 256,293	\$ 31,624	\$ 27,061	12/21/2012	5
East Hills Academy	-			-						n/a	
Eastlake High	1,176,610	\$ 0.166029	\$ 195,351	831,634	\$ 0.2534	\$ 0.2400	\$ 210,754	\$ 102,827	\$ 87,035	9/25/2014	3
Hilltop High	500,909	\$ 0.166029	\$ 83,165	797,357	\$ 0.2351	\$ 0.2351	\$ 187,486	\$ 34,616	\$ 34,616	7/21/2014	3
Mar Vista High	781,704	\$ 0.171010	\$ 133,679	571,438	\$ 0.2384	\$ 0.2384	\$ 136,222	\$ 52,667	\$ 52,667	10/25/2013	4
Montgomery High	906,639	\$ 0.176140	\$ 159,695	805,797	\$ 0.2178	\$ 0.2178	\$ 175,492	\$ 37,759	\$ 37,759	12/21/2012	5
Olympian High School	1,555,609	\$ 0.171010	\$ 266,024	429,071	\$ 0.3133	\$ 0.2400	\$ 134,411	\$ 221,287	\$ 107,322	10/25/2013	4
Otay Ranch High School	1,588,522	\$ 0.171010	\$ 271,653	433,101	\$ 0.4790	\$ 0.2400	\$ 207,471	\$ 489,306	\$ 109,592	10/25/2013	4
Palomar High	-			211,955	\$ 0.2087	\$ 0.2087	\$ 44,232	\$ -	\$ -	n/a	
San Ysidro High School	1,262,069	\$ 0.171010	\$ 215,826	657,205	\$ 0.3320	\$ 0.2400	\$ 218,223	\$ 203,240	\$ 87,070	10/25/2013	4
Southwest High	1,301,956	\$ 0.176140	\$ 229,327	202,170	\$ 0.3170	\$ 0.2400	\$ 64,080	\$ 183,343	\$ 83,143	12/21/2012	5
Sweetwater High	582,079	\$ 0.171010	\$ 99,541	1,116,549	\$ 0.2590	\$ 0.2400	\$ 289,172	\$ 51,210	\$ 40,158	10/25/2013	4
District Office	-			674,088	\$ 0.1809		\$ 121,911	\$ -	\$ -	n/a	
M&O Warehouse L Street	-			565,995	\$ 0.2457		\$ 139,074	\$ -	\$ -	n/a	
	14,874,373		\$ 2,554,681	12,363,854			\$ 3,235,613	\$ 1,926,697	\$ 962,391		

Notes:

- 1.) Solar kWh - is 12 months of solar PV Generation that was provided with Report Generation
- 2.) Solar Rate (\$/kWh) - Solar rate is the unit cost per kWh produced charged through Solar PPA Agreement. Value has an annual escalation of 3% based upon Date of Operation.
- 3.) Solar \$ - Equal to Solar kWh multiplied by Applicable Solar Rate.
- 4.) Utility kWh - Amount of electricity purchased from SDG&E over the last fiscal year for all site meters.
- 5.) Average billed utility rate - Blended cost of power for the last fiscal year, Total \$ divided by total kWh.
- 6.) Adj Utility Rate - Rate is the lesser of Average Billed Utility Rate or estimated maximum rate if Solar PV was not installed. The much smaller amount of power purchased from the utility will have an increased cost of power due to the Demand Component of the billing having a greater emphasis in the total bill.
- 7.) Fiscal Yr-End 2016 Utility Cost - Cost of electricity to SDG&E for Fiscal 2016
- 8.) Cost Savings - Is the cost savings from installing solar based upon the unadjusted utility cost of power, i.e. (12 month Generated Solar PV Power multiplied by Average billed Utility rate) - 12 month Solar PV cost.
- 9.) Adj Cost Savings - Is the cost savings from installing solar based upon the Adjusted utility cost of power, i.e. (12 month Generated Solar PV Power multiplied by Adj Utility rate) - 12 month Solar PV cost.
- 10.) Date of Op. - Date each Solar PV was brought on line generating power.
- 11.) Current year for each Solar PV System based upon the Date of Op.