

City of Sunnyvale Solar Installations on City Facilities - UY-15-05 Financial Comparison Table										
Description	All sites Corp Yard SMaRT Station Baylands Park Ortega Park	2 sites Corp Yard SMaRT Station	All sites Corp Yard SMaRT Station Baylands Park Ortega Park	2 sites Corp Yard SMaRT Station	All sites Corp Yard SMaRT Station Baylands Park Ortega Park	2 sites Corp Yard SMaRT Station	20-yr, all sites Corp Yard SMaRT Station Baylands Park Ortega Park	25-yr, all sites Corp Yard SMaRT Station	20-yr, 2 sites Corp Yard SMaRT Station Baylands Park Ortega Park	25-yr, 2 sites Corp Yard SMaRT Station
	As Is (no solar)	As Is (no solar)	Direct Purchase	Direct Purchase	Loan (15 yr, 4.5%)	Loan (15 yr, 4.5%)	PPA (0.166/kWh, 2.5%)	PPA (0.1534/kWh, 2.5%)	PPA (0.1307/kWh, 2.5%)	PPA (0.1212/kWh, 2.5%)
Upfront Cost	\$ -	\$ -	\$ 2,485,063	\$ 1,656,818	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	Year 1 Cash Flow									
Utility Bills	\$ 605,525	\$ 545,926	\$ 339,510	\$ 327,146	\$ 339,510	\$ 327,146	\$ 339,510	\$ 339,510	\$ 327,146	\$ 327,146
Incentives/RECs	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Solar O&M	\$ -	\$ -	\$ 36,340	\$ 18,596	\$ 36,340	\$ 18,596	\$ -	\$ -	\$ -	\$ -
Loan/PPA Payment	\$ -	\$ -	\$ -	\$ -	\$ 228,126	\$ 152,094	\$ 202,608	\$ 187,228	\$ 134,434	\$ 124,662
Yearly Costs Subtotals	\$ 605,525	\$ 545,926	\$ 375,850	\$ 345,742	\$ 603,976	\$ 497,836	\$ 542,118	\$ 526,738	\$ 461,580	\$ 451,808
Payback Period	n/a	n/a	11 year(s)	9 years(s)	1 year(s)	19 year(s)	1 year(s)	1 year(s)	1 year(s)	1 year(s)
	20 Year Totals									
Total Cost (NPV)	\$ 12,110,512	\$ 10,918,531	\$ 10,115,522	\$ 8,674,866	\$ 10,435,522	\$ 8,888,214	\$ 10,662,094	\$ 10,381,618	\$ 9,130,308	\$ 8,952,097
Savings \$ (Discounted)	\$ -	\$ -	\$ 1,994,990	\$ 2,243,664	\$ 1,674,990	\$ 2,030,317	\$ 1,448,419	\$ 1,728,894	\$ 1,788,223	\$ 1,966,434
Savings % (Discounted)	0%	0%	16.5%	20.5%	13.8%	18.6%	12.0%	14.3%	16.4%	18.0%
	25 Year Totals									
Total Cost (NPV)	\$ 15,138,140	\$ 13,648,163	\$ 12,059,734	\$ 10,462,372	\$ 12,379,734	\$ 10,675,719	\$ 13,217,545	\$ 12,932,567	\$ 11,345,638	\$ 11,166,180
Savings \$ (Discounted) Versus As Is (no solar)	\$ -	\$ -	\$ 3,078,406	\$ 3,185,791	\$ 2,758,406	\$ 2,972,444	\$ 1,920,596	\$ 2,205,573	\$ 2,302,525	\$ 2,481,983
Savings % (Discounted)	0%	0%	20.3%	23.3%	18.2%	21.8%	12.7%	14.6%	16.9%	18.2%

Sunnyvale PV Site Financial Modeling
All numbers are based upon modeling of assumptions, and are not guarantees of results.
Assumptions: Historic energy usage indicative of future usage; typical weather year; historical PG&E electrical rates except for A-6 and E-19 S R, which are estimated for 2023 ratios;
PG&E environmental equivalencies; 3% discount rate; 3% annual utility escalation rate; 0.5% annual PV degradation; LCOE=Levelized Cost of Energy