

City of Sunnyvale
Solar Installations on City Facilities - UY-15-05

Financial Comparison Table

	All sites	2 sites	All sites	2 sites	All sites	2 sites	20-yr, all sites	25-yr, all sites	20-yr, 2 sites	25-yr, 2 sites	25-yr, 2 sites	30-yr, 2 sites
	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%)	PPA (0.163/kWh, 1%)	PPA (0.154/kWh, 1%)
Upfront Cost	\$0	\$0	\$2,485,063	\$1,656,818	\$0	\$0	\$0	\$0	\$0	\$0	0	0
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	\$ 327,146	\$ 327,146
Incentives/RECs	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$ -	\$ -
Solar O&M	\$0	\$0	\$36,340	\$18,596	\$36,340	\$18,596	\$0	\$0	\$0	\$0	\$ -	\$ -
Loan/PPA Payment	\$0	\$0	\$0	\$0	\$228,126	\$152,094	\$202,608	\$187,228	\$134,434	\$124,662	\$ 167,656	\$ 158,399
TOTAL COSTS	\$605,525	\$545,926	\$375,850	\$345,742	\$603,976	\$497,836	\$542,118	\$526,738	\$461,580	\$451,808	\$ 494,802	\$ 485,545
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)	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	\$ 9,359,140	\$ 9,211,129
Savings \$ (Discounted)	\$0	\$0	\$1,994,990	\$2,243,664	\$1,674,990	\$2,030,317	\$1,448,419	\$1,728,894	\$1,788,223	\$1,966,434	\$ 1,559,391	\$ 1,707,402
Savings % (Discounted)	0%	0%	16.5%	20.5%	13.8%	18.6%	12.0%	14.3%	16.4%	18.0%	14.3%	15.6%
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	\$ 11,559,609	\$ 11,384,655
Savings \$ (Discounted)	\$0	\$0	\$3,078,406	\$3,185,791	\$2,758,406	\$2,972,444	\$1,920,596	\$2,205,573	\$2,302,525	\$2,481,983	\$ 2,088,554	\$ 2,263,508
Savings % (Discounted)	0%	0%	20.3%	23.3%	18.2%	21.8%	12.7%	14.6%	16.9%	18.2%	15.3%	16.6%