

CUPERTINO PHOTOVOLTAIC SYSTEMS DESIGN AND INSTALLATION PROJECT • PRELIMINARY COST/SAVINGS • ATTACHMENT B

*Annual savings includes 5% utility escalation over a 1.5 year construction period, Year 1

**The costs (B) are offset by the kWh savings (E), resulting in lowered electrical bill (F)

***Lifecycle Savings (30yrs) includes: 5% utility escalation, 0.5% module degradation, 30 years, NEM3 Included

***Discounted cashflow methodology includes: 5% utility escalation, 0.5% module degradation, 30 years, NEM3 Included

11/18/2024

Facility	A	B	C	D	E	F	G	H	I	J	K	L	M
	kWh	kWh Cost	cost per kWh (ave.)	PV systems kWh generation	PV systems annual savings*	PV systems annual electrical bill**	PV systems lifecycle savings***	Constrn Cost: PV only	Constrn Cost: EVCS only	Constrn. Cost (PV + EV)	IRA funding (40% of PV only)	City Funding	Payback Period (years) ****
<i>formula</i>			<i>A/B</i>			<i>B - E</i>				<i>H + I</i>	<i>H * 40%</i>	<i>J - K</i>	

Three sites, WITHOUT BBF and Library

Quinlan Community Center (0116367009-116367840)	383,109	\$121,336	\$0.32	453,795	\$154,217	-\$32,881	\$7,272,774	\$2,343,000	\$150,000	\$2,493,000	\$867,200	\$1,625,800	9.21
Sports Center (0116367009-116971849)	329,369	\$108,143	\$0.33	322,104	\$93,047	\$15,096	\$4,434,018	\$1,815,000	\$150,000	\$1,965,000	\$726,000	\$1,239,000	11.11
Community Hall (0116367009-116367449)	114,600	\$39,810	\$0.35	66,784	\$29,441	\$10,369	\$1,315,345	\$377,000	\$0	\$377,000	\$150,800	\$226,200	7.15
		\$269,289			\$276,705	-\$7,416	\$13,022,137	\$4,535,000	\$300,000	\$4,835,000	\$1,744,000	\$3,091,000	9.46
					decreased by:	276,705		with 20% contingency	\$5,802,000				

Four sites, WITHOUT BBF

Library (1932850108)	1,048,978	\$322,517	\$0.31	621,477	\$189,074	\$133,443	\$10,847,040	\$3,803,000	\$300,000	\$4,103,000	\$1,521,200	\$2,581,800	11.33
Quinlan Community Center (0116367009-116367840)	383,109	\$121,336	\$0.32	453,795	\$154,217	-\$32,881	\$7,272,774	\$2,343,000	\$150,000	\$2,493,000	\$867,200	\$1,625,800	9.21
Sports Center (0116367009-116971849)	329,369	\$108,143	\$0.33	322,104	\$93,047	\$15,096	\$4,434,018	\$1,815,000	\$150,000	\$1,965,000	\$726,000	\$1,239,000	11.11
Community Hall (0116367009-116367449)	114,600	\$39,810	\$0.35	66,784	\$29,441	\$10,369	\$1,315,345	\$377,000	\$0	\$377,000	\$150,800	\$226,200	7.15
		\$591,805			\$465,779	\$126,026	\$23,869,177	\$8,338,000	\$600,000	\$8,938,000	\$3,265,200	\$5,672,800	9.98
					decreased by:	465,779		with 20% contingency	\$10,725,600				

Four sites, WITHOUT LIBRARY

BBF (114315284)	110,428	\$32,539	\$0.29	110,948	\$38,253	-\$5,714	\$1,563,642	\$956,000	\$100,000	\$1,056,000	\$382,400	\$673,600	14.08
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Sports Center (0116367009-116971849)	329,369	\$108,143	\$0.33	322,104	\$93,047	\$15,096	\$4,434,018	\$1,815,000	\$150,000	\$1,965,000	\$726,000	\$1,239,000	11.11
Community Hall (0116367009-116367449)	114,600	\$39,810	\$0.35	66,784	\$29,441	\$10,369	\$1,315,345	\$377,000	\$0	\$377,000	\$150,800	\$226,200	7.15
		\$301,828			\$314,958	-\$13,130	\$14,585,779	\$5,491,000	\$400,000	\$5,891,000	\$2,126,400	\$3,764,600	10.28
					decreased by:	314,958		with 20% contingency	\$7,069,200				

Five sites

Library (1932850108)	1,048,978	\$322,517	\$0.31	621,477	\$189,074	\$133,443	\$10,847,040	\$3,803,000	\$300,000	\$4,103,000	\$1,521,200	\$2,581,800	11.33
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Community Hall (0116367009-116367449)	114,600	\$39,810	\$0.35	66,784	\$29,441	\$10,369	\$1,315,345	\$377,000	\$0	\$377,000	\$150,800	\$226,200	7.15
		\$624,345			\$504,032	\$120,313	\$25,432,819	\$9,294,000	\$700,000	\$9,994,000	\$3,647,600	\$6,346,400	10.66
					decreased by:	504,032		with 20% contingency	\$11,992,800				