

## ATTACHMENT B

17-Oct-24

### PHOTOVOLTAIC PROJECT COST/SAVINGS

\*Annual savings includes 5% utility escalation, Year 1

\*\*\*Lifecycle Savings (30yrs) includes: 5% utility escalation, 0.4% module degradation, 30 years, NEM3 Included

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

\*\*\*\*Discounted cashflow methodology includes: 5% utility escalation, 0.4% module degradation, 30 years, NEM3

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>	
Library (1932850108)	1,048,978	\$322,517	\$0.31	621,477	\$202,501	\$120,016	\$11,701,727	\$3,801,000	\$300,000	\$4,101,000	\$1,520,400	\$2,580,600	10.65
BBF (114315284)	110,428	\$32,539	\$0.29	110,948	\$38,253	-\$5,714	\$1,587,032	\$955,500	\$100,000	\$1,055,500	\$382,200	\$673,300	13.99
Quinlan Community Center (0116367009-116367840)	383,109	\$121,336	\$0.32	453,795	\$154,217	-\$32,881	\$7,398,086	\$2,341,500	\$150,000	\$2,491,500	\$936,600	\$1,554,900	8.85
Sports Center (0116367009-116971849)	329,369	\$108,143	\$0.33	322,104	\$93,047	\$15,096	\$4,511,620	\$1,812,300	\$150,000	\$1,962,300	\$724,920	\$1,237,380	11.06
Community Hall (0116367009-116367449)	114,600	\$39,810	\$0.35	66,784	\$29,441	\$10,369	\$1,336,267	\$376,950	\$0	\$376,950	\$150,780	\$226,170	7.13
		\$624,345			\$517,459	\$106,886	\$26,534,732	\$9,287,250	\$700,000	\$9,987,250	\$3,714,900	\$6,272,350	10.28

decreased by: **517,459** with 20% contingency \$11,984,700

#### Four sites, WITHOUT BBF

Library (1932850108)	1,048,978	\$322,517	\$0.31	621,477	\$202,501	\$120,016	\$11,701,727	\$3,801,000	\$300,000	\$4,101,000	\$1,520,400	\$2,580,600	10.65
Quinlan Community Center (0116367009-116367840)	383,109	\$121,336	\$0.32	453,795	\$154,217	-\$32,881	\$7,398,086	\$2,341,500	\$150,000	\$2,491,500	\$936,600	\$1,554,900	8.85
Sports Center (0116367009-116971849)	329,369	\$108,143	\$0.33	322,104	\$93,047	\$15,096	\$4,511,620	\$1,812,300	\$150,000	\$1,962,300	\$724,920	\$1,237,380	11.06
Community Hall (0116367009-116367449)	114,600	\$39,810	\$0.35	66,784	\$29,441	\$10,369	\$1,336,267	\$376,950	\$0	\$376,950	\$150,780	\$226,170	7.13
		\$591,805			\$479,206	\$112,599	\$24,947,700	\$8,331,750	\$600,000	\$8,931,750	\$3,332,700	\$5,599,050	9.98

decreased by: **479,206** with 20% contingency \$10,718,100

#### Three sites, WITHOUT BBF and Library

Quinlan Community Center (0116367009-116367840)	383,109	\$121,336	\$0.32	453,795	\$154,217	-\$32,881	\$7,398,086	\$2,341,500	\$150,000	\$2,491,500	\$936,600	\$1,554,900	8.85
Sports Center (0116367009-116971849)	329,369	\$108,143	\$0.33	322,104	\$93,047	\$15,096	\$4,511,620	\$1,812,300	\$150,000	\$1,962,300	\$724,920	\$1,237,380	11.06
Community Hall (0116367009-116367449)	114,600	\$39,810	\$0.35	66,784	\$29,441	\$10,369	\$1,336,267	\$376,950	\$0	\$376,950	\$150,780	\$226,170	7.13
		\$269,289			\$276,705	-\$7,416	\$13,245,973	\$4,530,750	\$300,000	\$4,830,750	\$1,812,300	\$3,018,450	9.46

decreased by: **276,705** with 20% contingency \$5,796,900

#### Four sites, WITHOUT LIBRARY

BBF (114315284)	110,428	\$32,539	\$0.29	110,948	\$38,253	-\$5,714	\$1,587,032	\$955,500	\$100,000	\$1,055,500	\$382,200	\$673,300	13.99
Quinlan Community Center (0116367009-116367840)	383,109	\$121,336	\$0.32	453,795	\$154,217	-\$32,881	\$7,398,086	\$2,341,500	\$150,000	\$2,491,500	\$936,600	\$1,554,900	8.85
Sports Center (0116367009-116971849)	329,369	\$108,143	\$0.33	322,104	\$93,047	\$15,096	\$4,511,620	\$1,812,300	\$150,000	\$1,962,300	\$724,920	\$1,237,380	11.06
Community Hall (0116367009-116367449)	114,600	\$39,810	\$0.35	66,784	\$29,441	\$10,369	\$1,336,267	\$376,950	\$0	\$376,950	\$150,780	\$226,170	7.13
		\$301,828			\$314,958	-\$13,130	\$14,833,005	\$5,486,250	\$400,000	\$5,886,250	\$2,194,500	\$3,691,750	10.28

decreased by: **314,958** with 20% contingency \$7,063,500