



Energy Interdependency Program





PROGRAM OBJECTIVES

SCOPE OF WORK

PROGRAM FINANCIALS

PATHWAY TO IMPLEMENTATION

AGENDA

PROGRAM OBJECTIVES

- ❑ Budget: Reduce utility cost
- ❑ Durability: Parking lot replacement
- ❑ Modernize: Reduce deferred maintenance
- ❑ Safety: Increased parking lot light levels
- ❑ Sustainability: Shaded solar carport
- ❑ Revenues: EV charging network
- ❑ Community Awareness: Complement on-going initiatives
- ❑ Community Leadership: Ribbon cutting ceremony & awards



E. MISSION ROAD

Scope of Work

- Solar Photovoltaic
 - Parking Canopy Structure – 50kW
 - Future Additional Solar – 26kW
- Electric Vehicle Charging
 - (2) Dual Port Level 2
- Parking Lot Replacement
 - Restoration
 - Lighting
- Accessibility Upgrades
- Resiliency Study & Action Plan
- Energy Management (EIQ)



S. BRANDON ROAD

Scope of Work

- Solar Photovoltaic
 - Parking Canopy Structure – 23kW
- Electric Vehicle Charging
 - (1) Dual Port Level 2
- Energy Management (EIQ)



PROGRAM FINANCIALS

Project Implementation Value	\$1,409,109
30-year Utility Cost Avoidance	\$1,235,952
Additional Incentives, Grants, & Rebates	\$19,200
10-year Facility Replacement Cost Savings	\$390,000
IRA – Investment Tax Credit (Direct Pay)	\$310,371
30-year Cumulative Program Savings	\$2,097,723

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Financial Proforma
Energy Interdependency Program Phase 1
October 6, 2023

Program Implementation Cost: \$1,409,109

Program Scope of Work:
Additional Funding Sources

Inflation Reduction Act Rebate (Year 1):	\$310,371
Utility Incentive (Year 2):	\$19,200
County Contribution:	XXX,XXX
	<u>\$329,571</u>

Includes turn-key design, engineering, permitting, procurement, project/construction management, safety, and utility and site coordination, etc.:

Solar PV Canopy - Admin. Office	\$294,641
Solar PV Canopy - Health & Wellness Ctr	\$379,363
Provisions for future solar/ESS:	\$38,500
EV Charger System	\$125,850
Parking lot - Lighting	\$19,460
Parking Lot - Restoration; Entry, Main, Ramp	\$455,296
Accessibility Upgrades	\$96,000
	<u>\$1,409,109</u>

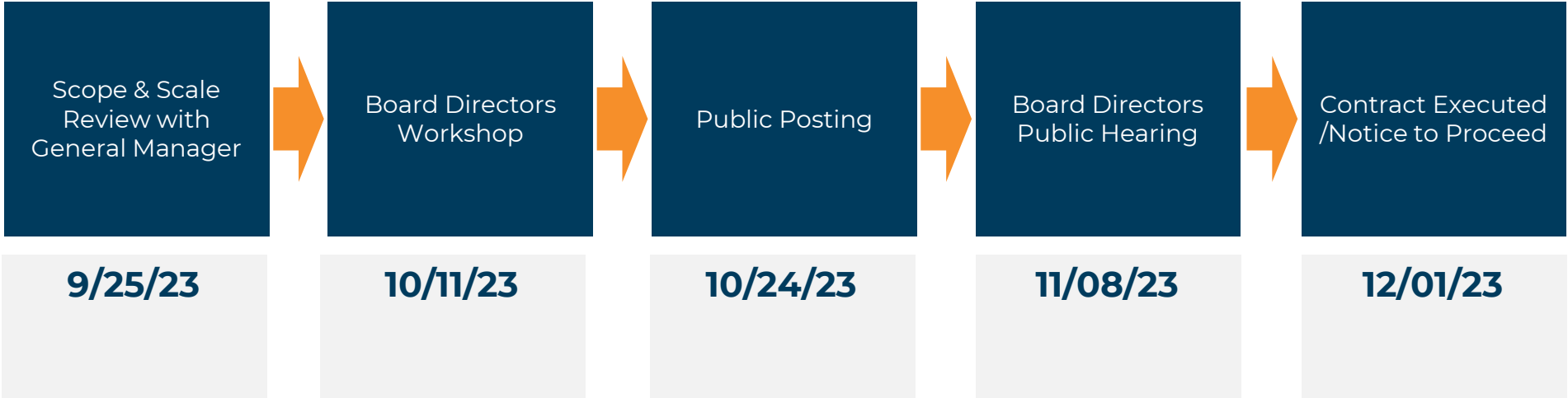
Utility Escalation: 5.00%

1	Program Savings & Contributions				6	7	8	9
	2	3	4	5				
Year	Utility Cost Avoidance	Facility Replacement Cost Savings	Incentives, Grants & Rebates	EV Charging Revenue	Maintenance Services	Energy Management Services	Program Savings	Cumulative Savings
1	\$18,603	\$38,000	\$310,371	\$6,500	(\$4,250)	(\$6,500)	\$362,724	-
2	\$19,533	\$41,000	\$19,200	\$6,825	(\$4,420)	(\$3,500)	\$78,638	\$441,362
3	\$20,510	\$44,000		\$7,166	(\$4,597)	(\$3,623)	\$63,456	\$504,818
4	\$21,535	\$47,000		\$7,524	(\$4,781)	(\$3,749)	\$67,529	\$572,348
5	\$22,612	\$50,000		\$7,900	(\$4,972)	(\$3,881)	\$71,659	\$644,007
6	\$23,742	\$47,000		\$8,295	(\$12,671)	↓ optional ↓	\$66,367	\$710,374
7	\$24,930	\$44,000		\$8,710	(\$5,378)		\$72,262	\$782,636
8	\$26,176	\$41,000		\$9,146	(\$5,593)		\$70,729	\$853,365
9	\$27,485	\$38,000		\$9,603	(\$5,816)		\$69,271	\$922,637
10	\$28,859			\$10,083	(\$6,049)		\$32,893	\$955,530
11	\$30,302			\$10,587	(\$6,291)		\$34,598	\$990,128
12	\$31,817			\$11,116	(\$14,043)		\$28,891	\$1,019,018
13	\$33,408			\$11,672	(\$6,804)		\$38,276	\$1,057,294
14	\$35,078			\$12,256	(\$7,077)		\$40,258	\$1,097,552
15	\$36,832			\$12,869	(\$7,360)		\$42,342	\$1,139,894
16	\$38,674			\$13,512	(\$7,654)		\$44,532	\$1,184,426
17	\$40,608			\$14,188	(\$7,960)		\$46,836	\$1,231,261
18	\$42,638			\$14,897	(\$8,279)		\$49,256	\$1,280,518
19	\$44,770			\$15,642	(\$16,110)		\$44,302	\$1,324,820
20	\$47,008			\$16,424	(\$8,954)		\$54,478	\$1,379,298
21	\$49,359			\$17,245	(\$9,312)		\$57,292	\$1,436,590
22	\$51,827			\$18,107	(\$9,685)		\$60,249	\$1,496,839
23	\$54,418			\$19,012	(\$10,072)		\$63,358	\$1,560,197
24	\$57,139			\$19,963	(\$10,475)		\$66,627	\$1,626,824
25	\$59,996			\$20,961	(\$18,394)		\$62,563	\$1,689,387
26	\$62,996			\$22,009	(\$11,330)		\$73,675	\$1,763,062
27	\$66,146			\$23,109	(\$11,783)		\$77,472	\$1,840,534
28	\$69,453			\$24,264	(\$12,254)		\$81,463	\$1,921,996
29	\$72,926			\$25,477	(\$12,744)		\$85,658	\$2,007,654
30	\$76,572			\$26,751	(\$13,254)		\$90,069	\$2,097,723
Totals	\$1,235,952	\$390,000	\$19,200	\$431,813	(\$268,361)	(\$21,252)	\$2,097,723	-

Notes By Column:

- (1) Fiscal year after project completion with an anticipated NTP in November 2023.
- (2) Utility Cost Avoidance - Utility cost escalated at 5% per year.
- (3) Facility Replacement Cost Savings.
- (4) Incentives, Grants & Rebates: EV Charging Grants and SGIP (Self-Generation Incentive Program).
- (5) Revenue from EV Charging. Utility Cost to Revenue Charge difference of \$0.12 per kWh.
- (6) Operation and Maintenance cost to maintain the Solar-PV systems.
- (7) District-wide Energy Management (MySiteIQ). Subsequent years are optional at an additional cost.
- (8) Total Program Savings; sum of Columns (2) through (7).
- (9) Cumulative Savings.

PATHWAY TO IMPLEMENTATION





Thank You

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