



CAMBRIA COMMUNITY SERVICES DISTRICT

MEETING	TIME & DATE	LOCATION
Resources & Infrastructure Committee	12:30 PM Monday, April 15, 2024	Cambria Veterans' Memorial Hall, 1000 Main Street, Cambria, CA 93428

AGENDA

I, Karen Dean, Chair of the Resources & Infrastructure Committee, hereby call a Special Meeting of the Resources & Infrastructure Committee pursuant to California Government Code Section 54956. The Special Meeting will be held: Monday, April 15, 2024, 12:30 PM. The purpose of the Special Meeting is to discuss or transact the following business:

SPECIAL MEETING OF THE RESOURCES & INFRASTRUCTURE COMMITTEE

Monday, April 15, 2024, 12:30 PM

1000 Main Street, Cambria, CA 93428 AND via Zoom at:

Please click the link to join the webinar: [HERE](#) Passcode: 090720

Copies of the staff reports or other documentation relating to each item of business referred to on the agenda are on file in the CCSD Administration Office, available for public inspection during District business hours. The agenda and agenda packets are also available on the CCSD website at <https://www.cambriacsd.org/>. In compliance with the Americans with Disabilities Act, if you need special assistance to participate in this meeting or if you need the agenda or other documents in the agenda packet provided in an alternative format, contact the Confidential Administrative Assistant at 805-927-6223 at least 48 hours before the meeting to ensure that reasonable arrangements can be made. The Confidential Administrative Assistant will answer any questions regarding the agenda.

1. OPENING

1.A Call to Order

1.B Establishment of Quorum

1.C Chair Report

2. PUBLIC COMMENT ON AGENDA ITEMS

Members of the public may now address the Committee on any item on its agenda today.

3. REGULAR BUSINESS

3.A Receive and Discuss the Updated Prioritized CIP List and General Fund CIP Budget Requests and Consideration to Forward the Updated CIP Lists to the Finance Committee for Review in the 2024/2025 Fiscal Year Preliminary Budget

3.B EV Fleet and Advanced Clean Fleet Regulations

4. FUTURE AGENDA ITEMS

5. ADJOURN

CAMBRIA COMMUNITY SERVICES DISTRICT

TO: Resources and Infrastructure Committee

AGENDA NO. **3.A.**

FROM: Matthew McElhenie, General Manager
Denise Fritz, Administrative Department Manager
Jim Green, Utilities Department Manager

Meeting Date: April 15, 2024 Subject: Receive and Discuss the Updated Prioritized CIP List and General Fund CIP Budget Requests and Consideration to Forward the Updated CIP Lists to the Finance Committee for Review in the 2024/2025 Fiscal Year Preliminary Budget

RECOMMENDATIONS:

It is recommended that the Resources & Infrastructure Committee review and discuss the updated prioritized CIP list and budget requests for the General Fund and Utilities. The Finance Committee will consider the recommendations within the 2024/2025 Fiscal Year Preliminary Budget.

FISCAL IMPACT:

Projects will need to be assessed for the most appropriate funding method.

DISCUSSION:

The Capital Improvement Budget, as prepared by the department managers, has been compiled through the department manager and staff requests. The wastewater and water department's staff requests and recommendations were evaluated through an Ad Hoc committee. They included an analysis of the revenue required to implement the CIP while meeting District financial obligations and operations.

The Utility Department Capital Improvement Program is an ongoing update and planning instrument that drives the evaluation and identification of infrastructure projects needing renovation, repair, and construction. The CIP relates these projected capital needs to the financial sources supporting their completion. These projects are identified, prioritized, and selected and thus are incorporated into fiscal and strategic planning for the district.

The Capital Improvement Projects included in the CIP are organized based on three structural elements.

- Safety
- Regulatory Compliance/ Health and Community Safety
- Urgency/ Outstanding improvements/ Asset condition

Safety:

Immediate or long-term improvements for operational safety that will support a safer work environment and a safe environment for the community. Projects that provide measurable environmental improvements for the project's life, i.e., increasing water quality, improving air quality, and reducing greenhouse gas emissions.

Regulatory Compliance/ Community Health and Safety:

Ensuring regulatory compliance for water and wastewater treatment. Compliance standards increase each year; thus, maintaining reliable and efficient operations in both water and wastewater departments is necessary to ensure the continued health and protection of the community. Other regulatory requirements include air quality, odor control, and record-keeping. Operational integrity of the existing facilities and improvements need to address future regulatory changes and wet weather treatment capabilities.

Urgency/ Outstanding Improvements/ Asset Improvements:

Fortifying system reliability and essential daily operations are integral to the plan. Investing in and replacing or upgrading existing infrastructure to ensure the district can maintain reliability and quality by replacing aging facilities before failure occurs.

The programmatic approach for the projects in the CIP provides timing and definition of project implementation such that the investments can be prioritized and scheduled with the CIP to confirm the district continues to fulfill its mission and meets its goals.

	A	B	C	D	E	F	G	H	I	J	K	L
1	General Fund CIP (FY 24/25 Revised 04/08/2024)						Current Year Activity			Activity to Date		
2			Ranking	Project Estimate	Additional Budget Request		Current FY Budget	FY Expenditures	FY Budget amount remaining		Project to Date Budget	Project to Date Expenditures
3	FY Approved	Administration Department Projects										
4		Replace District Car	3	\$ 30,000			\$ -	\$ -	\$ -		\$ 30,000	\$ -
5												
6	Subtotal			\$ 30,000			\$ -	\$ -	\$ -		\$ 30,000	\$ -
7	FY Approved	Facilities & Resources/PROS Projects										
8	20/21	Electric Vehicle Charging Station (East Village Parking Lot)	B	\$ 22,272	\$ 21,669		\$ 24,831	\$ -	\$ 24,831		\$ 43,941	\$ 19,110
9	20/21	Skate Park	B	\$ 1,200,000	\$ -		\$ 123,891	\$ 12,585	\$ 111,306		\$ 1,200,000	\$ 81,413
10	20/21	Restroom Facilities @ Fiscalini Ranch Preserve	B	\$ 549,432	\$ -		\$ 527,656	\$ 21,807	\$ 505,849		\$ 549,432	\$ 43,583
11	23/24	Vets Hall Sound System	B	\$ 20,000	\$ 30,000		\$ 20,000	\$ -	\$ -		\$ 20,000	\$ -
12		F&R Building Relocation	1	\$ 500,000	\$ -		\$ -	\$ -	\$ -		\$ -	\$ -
13		Admin Office Relocation	1	\$ 600,000	\$ -		\$ -	\$ -	\$ -		\$ -	\$ -
14		ATV	1	\$ 40,000	\$ -		\$ -	\$ -	\$ -		\$ -	\$ -
15		Fuel Tank and Computer Replacement	1	\$ 20,000	\$ -		\$ -	\$ -	\$ -		\$ -	\$ -
16		Vets Hall Renovation										
17		Vets Hall Sewer Line	3	\$ 40,000	\$ -		\$ -	\$ -	\$ -		\$ -	\$ -
18		Vets Hall Electrical Emergency	3	\$ 80,000	\$ -		\$ -	\$ -	\$ -		\$ -	\$ -
19		Vets Hall Flooring	3	\$ 100,000	\$ -		\$ -	\$ -	\$ -		\$ -	\$ -
20		Re-Roof - Entire Vets Hall Building	3	\$ 100,000	\$ -		\$ -	\$ -	\$ -		\$ -	\$ -
21		Vets Hall Water Line	3	\$ 20,000	\$ -		\$ -	\$ -	\$ -		\$ -	\$ -
22		Vets Hall Kitchen Improvements	3	\$ 30,000	\$ -		\$ -	\$ -	\$ -		\$ -	\$ -
23		Vets Hall Restroom Improvements	3	\$ 30,000	\$ -		\$ -	\$ -	\$ -		\$ -	\$ -
24	Subtotal			\$ 3,351,704	\$ 51,669		\$ 696,378	\$ 34,392	\$ 641,986		\$ 1,813,373	\$ 144,106
25	FY Approved	Fire Department Projects										
26		Radio System Upgrade Phase 2	B	\$ 79,097			\$ 79,097	\$ 32,776	\$ 46,321		\$ 79,097	\$ 32,776
27		Fire Station Roof, Dry Rot repair/Rain Gutter Repair/Paint	1	\$ 150,000			\$ -	\$ -	\$ -		\$ 150,000	\$ -
28		Ballistic Vests for Active Shooter response	1	\$ 15,000			\$ -	\$ -	\$ -		\$ 15,000	\$ -
29		Fire Engine - Type 1	1	\$ 1,500,000							\$ 1,500,000	
30		Replace old rescue boat with Rescue ski	1	\$ 21,000			\$ -	\$ -	\$ -		\$ 21,000	\$ -
31		Fire Department Gate and Fencing	1	\$ 40,000			\$ -	\$ -	\$ -		\$ 40,000	\$ -
32		Replace Water Tender (21 Year old)	2	\$ 600,000			\$ -	\$ -	\$ -		\$ 600,000	\$ -
33		Fuel Tank Replacement	2	\$ 12,000			\$ -	\$ -	\$ -		\$ 12,000	\$ -
34		Fire Station Improvements										
35		Fire Station Turnout lockers & storage room	3	\$ 45,000			\$ -	\$ -	\$ -			\$ -
36		Fire Station Sleeping Quarters	3	\$ 450,000			\$ -	\$ -	\$ -			\$ -

	A	B	C	D	E	F	G	H	I	J	K	L
1	General Fund CIP (FY 24/25 Revised 04/08/2024)						Current Year Activity			Activity to Date		
2			Ranking	Project Estimate	Additional Budget Request		Current FY Budget	FY Expenditures	FY Budget amount remaining		Project to Date Budget	Project to Date Expenditures
37		Fire Department Metal Building (Apparatus Bays/Storage/and Gym Relocation)	3	\$ 220,000			\$ -	\$ -	\$ -			\$ -
38		Fire Station Bathrooms Remodel	3	\$ 50,000			\$ -	\$ -	\$ -			\$ -
39		Fire Training Building	3	\$ 500,000			\$ -	\$ -	\$ -			\$ -
40		Fire Station Kitchen Remodel	3	\$ 70,000			\$ -	\$ -	\$ -			\$ -
41	Subtotal			\$ 3,752,097			\$ 79,097	\$ 32,776	\$ 46,321		\$ 2,417,097	\$ 32,776
42	GRAND TOTAL			\$ 7,133,801								
43		Budgeted (B)		\$ 1,870,801								
44		Priority 1		\$ 2,886,000								
45		Priority 2		\$ 612,000								
46		Priority 3		\$ 1,765,000								
47				\$ 7,133,801								
48	Completed Projects		Ranking	Project Estimate			Current FY Budget	FY Expenditures	FY Budget amount remaining		Project to Date Budget	Project to Date Expenditures
49	FY 21/22	F350 Truck - Replace 1999 F150 Truck		\$ 40,000			\$ -	\$ -	\$ -		\$ 40,000	\$ 40,000
50	FY 21/22	Electric Vehicle Charging Station (Vets Hall)		\$ 22,272			\$ -	\$ -	\$ -		\$ 22,272	\$ 22,272
51	FY 21/22	Re-Roof - Vets Hall American Legion Kitchen Area		\$ 15,000			\$ -	\$ -	\$ -		\$ 15,000	\$ 15,000
52	FY 22/23	Tyler Incode		\$ 76,050			\$ -	\$ -	\$ -		\$ 76,050	\$ 76,050

	A	B	C	D	E	F	G	H	I	J	K	L
1	Wastewater CIP (FY 24/25 Revised 04/08/2024)						Current Year Activity			Activity to Date		
2			Ranking	Project Estimate	Additional Budget Request		Current FY Budget	FY Expenditures	FY Budget amount remaining	Project to Date Budget	Project to Date Expenditures	
3	FY	Treatment Plant Projects in SST (All SST Cost Estimates Current as of IGA)										
4		(ECM 1) Influent Flow Equalization	B	\$ 3,791,224			\$ 3,181,218	\$ 473,177	\$ 2,708,041	\$ 3,791,224	\$ 1,083,184	
5		(ECM 2) Influent Lift Station	B	\$ 46,512			\$ 20,288	\$ 20,238	\$ 50	\$ 46,512	\$ 46,462	
6		(ECM 3) Modified Ludzak-Ettinger Process Upgrade	B	\$ 2,419,093			\$ 2,047,879	\$ 399,950	\$ 1,647,929	\$ 2,419,093	\$ 771,164	
7		(ECM 4) Blower Improvements	B	\$ 603,329			\$ 496,186	\$ 122,518	\$ 373,668	\$ 603,329	\$ 229,661	
8		(ECM 5) RAS and WAS Pumping Improvements	B	\$ 1,290,972			\$ 1,060,583	\$ 325,971	\$ 734,612	\$ 1,290,972	\$ 556,360	
9		(ECM 7) Electrical Upgrades	B	\$ 554,687			\$ 454,548	\$ 28,879	\$ 425,669	\$ 554,687	\$ 129,018	
10		(ECM 8) Backup Power	B	\$ 925,404			\$ 736,576	\$ 35,153	\$ 701,424	\$ 925,404	\$ 188,828	
11		(ECM 9) SCADA System	B	\$ 1,148,557			\$ 962,970	\$ 38,991	\$ 923,979	\$ 1,148,557	\$ 224,578	
12		(ECM 12) Sewer Lift Stations	B	\$ 1,320,222			\$ 1,265,711	\$ -	\$ 1,265,711	\$ 1,320,222	\$ 54,511	
13		Secondary Water System (3W) Improvements	2	\$ 318,202			\$ -	\$ -	\$ -	\$ -	\$ -	
14		Pads for electrical ECMs	2	\$ 313,893			\$ -	\$ -	\$ -	\$ -	\$ -	
15		Final Design	2	\$ 308,394			\$ -	\$ -	\$ -	\$ -	\$ -	
16		Project Duration/General Condition Costs	2	\$ 1,117,904			\$ -	\$ -	\$ -	\$ -	\$ -	
17		Effluent Pump Station Improvements	2	\$ 374,580			\$ -	\$ -	\$ -	\$ -	\$ -	
18		Sludge Thickening	2	\$ 1,393,341			\$ -	\$ -	\$ -	\$ -	\$ -	
19		Influent Lift Station Modifications	2	\$ 2,110,000			\$ -	\$ -	\$ -	\$ -	\$ -	
20		Storm Drain	2	\$ 130,521			\$ -	\$ -	\$ -	\$ -	\$ -	
21		Demolish Old Tanks	2	\$ 567,815			\$ -	\$ -	\$ -	\$ -	\$ -	
22		Tertiary Treatment	3	\$ 889,436			\$ -	\$ -	\$ -	\$ -	\$ -	
23		Subtotal		\$ 19,624,086			\$ 10,225,959	\$ 1,444,878	\$ 8,781,081	\$ 12,100,000	\$ 3,283,765	
24	FY	Treatment Plant Projects										
25	22/23	New polymer skid for sludge press	B	\$ 25,000			\$ 25,000	\$ -	\$ 25,000	\$ 25,000	\$ -	
26	22/23	Security Improvements	B	\$ 15,000			\$ 15,000	\$ -	\$ 15,000	\$ 15,000	\$ -	
27		Clarifier Improvements										
28		Eastern clarifier - Replace drive unit's metallic hubs	2	\$ 35,000			\$ -	\$ -	\$ -	\$ -	\$ -	
29		Secondary Water System	2	\$ 4,100			\$ -	\$ -	\$ -	\$ -	\$ -	
30		Blower Replacement	2	\$ 9,200			\$ -	\$ -	\$ -	\$ -	\$ -	
31		PFAS Treatment (Design Phase)	2	\$ 50,000			\$ -	\$ -	\$ -	\$ -	\$ -	
32		Van Gordon House Demolition (Split with Water)	2	\$ 50,000			\$ -	\$ -	\$ -	\$ -	\$ -	
33		Cargo Box for Storage	2	\$ 10,000			\$ -	\$ -	\$ -	\$ -	\$ -	
34		Eastern clarifier - Replace clarifier chain, wear shoes, skid plates, & sprockets	2	\$ 40,000			\$ -	\$ -	\$ -	\$ -	\$ -	
35		Western clarifier - Replace clarifier chain, wear shoes, skid plates, & sprockets	2	\$ 40,000			\$ -	\$ -	\$ -	\$ -	\$ -	
36		Cover for Sheltering of Equipment @ Plant (50%)	2	\$ 15,000			\$ -	\$ -	\$ -	\$ -	\$ -	
37		Redundant Blower for Plant	3	\$ 400,000			\$ -	\$ -	\$ -	\$ -	\$ -	
38		Walkway Grating on Digester Tanks	3	\$ 20,000			\$ -	\$ -	\$ -	\$ -	\$ -	
39												
40		Subtotal		\$ 713,300			\$ 40,000	\$ -	\$ 40,000	\$ 40,000	\$ -	
41	FY	Collection System Projects										
42	22/23	Portable Generator	B	\$ 20,000			\$ 20,000	\$ 16,731	\$ 3,269	\$ 20,000	\$ 16,731	
43		Reroute effluent line around State Parks	B	\$ 2,000,000								
44	22/23	Engineering	B	\$ 40,000			\$ 40,000	\$ 25,902	\$ 14,098	\$ 40,000	\$ 25,902	
45	22/23	Engineering for gravity replacement for lift station B-1	B	\$ 40,000			\$ 40,000	\$ -	\$ 40,000	\$ 40,000	\$ -	

	A	B	C	D	E	F	G	H	I	J	K	L
1	Wastewater CIP (FY 24/25 Revised 04/08/2024)						Current Year Activity			Activity to Date		
2			Ranking	Project Estimate	Additional Budget Request		Current FY Budget	FY Expenditures	FY Budget amount remaining		Project to Date Budget	Project to Date Expenditures
46	22/23	Lift Station Improvements	B	\$ 149,938			\$ 149,938	\$ -	\$ 149,938		\$ 149,938	\$ -
47		Lift Station B-3 (Green St./W. Lodge Hill)										
48	22/23	New Control Panel	B	\$ 60,000			\$ 60,000	\$ -	\$ 60,000		\$ 60,000	\$ -
49		New Submersible Pumps, MCC, Bypass Piping	2	\$ 250,000			\$ -	\$ -	\$ -		\$ -	\$ -
50		Lift Station A (Nottingham & Leighton/Park Hill)										
51		New Submersible Pumps, MCC, Bypass Piping, Control Panel at Grade Elevation	2	\$ 490,000			\$ -	\$ -	\$ -		\$ -	\$ -
52		Lift Station A-1 (Sherwood & Harvey/Marine Terrace)										
53		New Submersible Pumps, Bypass Piping	2	\$ 265,000			\$ -	\$ -	\$ -		\$ -	\$ -
54		Lift Station B - (SR Creek/Behind Park Hill)										
55		New Control Panel, Generator, Wet Well, Submersible Pumps, and Valve Vault	2	\$ 435,000			\$ -	\$ -	\$ -		\$ -	\$ -
56		Lift Station B-1 (Burton Dr at Tin City)										
57		Convert to gravity flow	2	\$ 600,000			\$ -	\$ -	\$ -		\$ -	\$ -
58		Lift Station B-2 (Wood Dr./E. Lodge Hill)										
59		New Control Panel at Grade Elevation	2	\$ 425,000			\$ -	\$ -	\$ -		\$ -	\$ -
60		Lift Station 8										
61		Replace Pumps	2	\$ 95,000			\$ -	\$ -	\$ -		\$ -	\$ -
62		Phased Manhole and Sewer Main Replacement	2	\$ 1,000,000			\$ -	\$ -	\$ -		\$ -	\$ -
63		New generators at LS 4, 8	2	\$ 12,000			\$ -	\$ -	\$ -		\$ -	\$ -
64		Push camera	2	\$ 10,000			\$ -	\$ -	\$ -		\$ -	\$ -
65		Asset Management Software	2	\$ 10,000			\$ -	\$ -	\$ -		\$ -	\$ -
66	Subtotal			\$ 5,901,938			\$ 309,938	\$ 42,633	\$ 267,305		\$ 309,938	\$ 42,633
67	Vehicles and Trailer-Mounted Equipment											
68												
69		Replace 2005 F250	3	\$ 65,000			\$ -	\$ -	\$ -		\$ -	\$ -
71	GRAND TOTAL			26,304,324								
73		Budgeted (B)		\$ 14,449,938								
74		Priority 1		\$ -								
75		Priority 2		\$ 10,479,950								
76		Priority 3		\$ 1,374,436								
77		SST Total		\$ 26,304,324								
79	Completed Projects		Ranking	Project Estimate			Current FY Budget	FY Expenditures	FY Budget amount remaining		Project to Date Budget	Project to Date Expenditures
80		Replace F150		\$ 30,000								
81		Pearpoint or equal TV inspection camera (removed cost from mid year total to meet reduced funding balance, 11/20/2018.)		\$ 75,000								
82		F-350 Service Truck with Crane Body		\$ 57,040								
83		Vactor truck - replace with new \$430K truck that meets emission requirements (7 yr loan @ 4.5%)		\$ 518,000								
84		Replacement Rack Truck (F-150)		\$ 24,193								
85		Influent screen, support platform design, & installation		\$ 164,509								
86		Lift Station A-1 MCC, SCADA Improvements		\$ 45,000								

	A	B	C	D	E	F	G	H	I	J	K	L
1	Wastewater CIP (FY 24/25 Revised 04/08/2024)											
2	Current Year Activity							Activity to Date				
			Ranking	Project Estimate	Additional Budget Request		Current FY Budget	FY Expenditures	FY Budget amount remaining	Project to Date Budget	Project to Date Expenditures	
87	22/23	Eastern clarifier - Replace chain drive		\$ 40,000						\$ 40,000	\$ 37,552	
88	22/23	Replacement of 1999 John Deere Loader and Backhoe Tractor		\$ 70,000						\$ 70,000	\$ 69,054	
89	22/23	Replace Van - Transport of Sewer Video Camera System		\$ 55,000						\$ 55,000	\$ 52,392	
90		Investment Grade Audit (30% Design for all ECMs)		\$ 528,404								

	A	C	D	E	F	G	H	I	J	K	L
1	Water CIP (FY 24/25 Revised 04/08/2024)										
	Current Year Activity							Activity to Date			
2		Ranking	Project Estimate	Additional Budget Request	Current FY Budget	FY Expenditures	FY Budget amount remaining	Project to Date Budget	Project to Date Expenditures		
3	Water Distribution System Projects										
4	Advanced Metering Infrastructure (AMI)										
5	Meter Install	B	\$ 526,500	\$ -	\$ 526,500	\$ 5,675	\$ 520,825	\$ 526,500	\$ 5,675		
6	Meter Lids	2	\$ 50,000	\$ -							
7	San Simeon Well Field Transmission Main at State Park Wetlands										
8	Design and Permitting	B	\$ 600,000	\$ -	\$ 600,000	\$ 53,472	\$ 546,528	\$ 600,000	\$ 53,472		
9	Piney Way Erosion Control - Design, Permitting and Relocation										
10	Cover for Sheltering of Equipment @ Plant (50%)	B	\$ 15,000	\$ -	\$ 15,000	\$ -	\$ 15,000	\$ 15,000	\$ -		
11	Modular Office Building @ Plant										
12	Remote Monitoring Equipment	B	\$ 15,000	\$ -	\$ 15,000	\$ -	\$ 15,000	\$ 15,000	\$ -		
13	Emergency Water Main Repair - Main Street (Budget Adjustment)										
14	Lead and Copper Service Line Regulations	B	\$ 20,000	\$ 30,000	\$ 20,000	\$ -	\$ 20,000	\$ 20,000	\$ -		
15	Source Water Assessment										
16	District Metered Areas (Phased - Design and Permitting, Implementation cost TBD)	2	\$ 150,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
17	Cathodic Protection SR3 & 4										
18	SS2, SS3, SR4 Transducers	3	\$ 30,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
19	Well site pump replacements										
20	Upgrading undersized water mains	3	\$ 532,141	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
21	Vault upgrades (Rodeo Grounds, Charing, and Windsor)										
22	Demo Van Gordon House (Water Portion)	3	\$ 130,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
23	SS3 Emergency Power	3	\$ 60,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
24	Pine Knolls Fence	3	\$ 30,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
25	Pine Knolls - Iva Court zone 1 pipeline expansion	4	\$ 10,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
26		4	\$ 20,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
27	Subtotal		\$ 2,783,641		\$ 1,506,500	\$ 66,857	\$ 1,488,435	\$ 3,726,500	\$ 59,147		
28	Tank & Booster Pump Station Projects										
29	Rodeo Grounds Pump Station Generator										
30	SCADA System - Phased Upgrades (Phase III- Alarms, Flow Data, Monitoring Wells)	B	\$ 62,000	\$ 68,000	\$ 62,000	\$ -	\$ 62,000	\$ 62,000	\$ -		
31	Stuart Street Tank Rehabilitation										
32	San Simeon Well 3 Pump Replacement	B	\$ 128,563	\$ -	\$ 128,563	\$ 19,971	\$ 108,592	\$ 128,563	\$ 19,971		
33	Stuart Street Station Roof	1	\$ 458,000	\$ -	\$ 458,000	\$ 1,640	\$ 456,360	\$ 458,000	\$ 2,390		
34	Well Field Gate	1	\$ 45,000	\$ -	\$ 45,000	\$ -	\$ 45,000	\$ 45,000	\$ -		
35	Leimert Fence	1	\$ 10,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
36	Stuart Street 2 Pull and Submersable	1	\$ 10,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
37	SR 3 Rehab	1	\$ 30,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
38	Rodeo Grounds ATS	1	\$ 150,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
39	Electrical transfer switch and conduit to well SS-3	2	\$ 100,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
40	SR 4 Generator	2	\$ 25,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
41	SR4 ATS	2	\$ 100,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
			\$ 20,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		

	A	C	D	E	F	G	H	I	J	K	L
		Ranking	Project Estimate	Additional Budget Request		Current FY Budget	FY Expenditures	FY Budget amount remaining		Project to Date Budget	Project to Date Expenditures
2											
42	Stuart Street 3 Analytic Off Grid Power	2	\$ 15,000	\$ -		\$ -	\$ -	\$ -		\$ -	\$ -
43	Storage Shed Yard	2	\$ 20,000			\$ -	\$ -	\$ -		\$ -	\$ -
44	Leimert Tank Reserve	3	\$ 100,000			\$ -	\$ -	\$ -		\$ -	\$ -
45	Third Stuart Street Tank Installation	3	\$ 600,000	\$ -		\$ -	\$ -	\$ -		\$ -	\$ -
46	Stuart Street and Leimert Booster Pump Replacement	3	\$ 500,000	\$ -		\$ -	\$ -	\$ -		\$ -	\$ -
47	Rodeo Grounds Pump Station Replacement (aka Zone 2 Booster pump station)	3	\$ 2,200,000	\$ -		\$ -	\$ -	\$ -		\$ -	\$ -
48	Subtotal		\$ 4,598,563			\$ 693,563	\$ 21,611	\$ 671,952		\$ 693,563	\$ 22,361
49	Vehicles and Trailer-Mounted Equipment										
50	Replacement 2005 F-150 Truck with F-250 (for towing Ditch Witch)	B	\$ 55,000	\$ -		\$ 55,000	\$ 53,613	\$ 1,387		\$ 55,000	\$ 53,613
51	Vac Trailer Reserve	3	\$ 35,000	\$ -		\$ -	\$ -	\$ -		\$ -	\$ -
52	Tractor Reserve	3	\$ 40,000	\$ -		\$ -	\$ -	\$ -		\$ -	\$ -
53	Dump trailer for storing and hauling spoils from road repairs	3	\$ 15,000	\$ -		\$ -	\$ -	\$ -		\$ -	\$ -
54	Truck Replacement Program (annual cost to build reserves)	3	\$ 25,000	\$ -		\$ -	\$ -	\$ -		\$ -	\$ -
55	Subtotal		\$ 170,000			\$ 55,000	\$ 53,613	\$ 1,387		\$ 55,000	\$ 53,613
56	Programs and Plans										
57	Hydraulic System Model Update	3	\$ 100,000	\$ -		\$ -	\$ -	\$ -		\$ -	\$ -
58	Water Master Plan Amendment	3	\$ 35,000	\$ -		\$ -	\$ -	\$ -		\$ -	\$ -
59	Database for water conservation program/tracking with parcel links & APN file conversion	3	\$ 10,000	\$ -		\$ -	\$ -	\$ -		\$ -	\$ -
60	Subtotal		\$ 145,000			\$ -	\$ -	\$ -		\$ -	\$ -
62	GRAND TOTAL		\$ 7,697,204			\$ 2,255,063	\$ 66,857	\$ 2,236,998		\$ 4,475,063	\$ 135,122
64		Budgeted (B)	\$ 2,255,063								
65		Priority 1 Total	\$ 325,000								
66		Priority 2 Total	\$ 430,000								
67		Priority 3 Total	\$ 4,502,141								
68		Priority 4 Total	\$ 185,000								
78	WRF CIP (FY 22/23 Revised 10/5/22)										
79		Ranking	Project Estimate			Current FY Budget	FY Expenditures	FY Budget amount remaining		Project to Date Budget	Project to Date Expenditures
80	Permitting & Planning										
81	Groundwater modeling and consulting for CDP (Instream Flow Study)	B	\$ 48,000			\$ 48,000	\$ 17,048	\$ 30,952		\$ 48,000	\$ 33,038
82	EIR consulting (follow up agency discussions to support the WRF's Regular CDP)	B	\$ 26,690			\$ 26,690	\$ -	\$ -		\$ 26,690	\$ -
83	Section 7 ESA consulting, annual AMP report, & AMP update	2	\$ 100,000			\$ -	\$ -	\$ -		\$ -	\$ -
84	Subtotal		\$ 174,690			\$ 74,690	\$ 17,048	\$ 30,952		\$ 74,690	\$ 33,038
85	Interim, short-term SWF Modifications										
86	Brine Tank Secondary Containment, Grading, Rock	2	\$ 20,000			\$ -	\$ -	\$ -		\$ -	\$ -
87	Subtotal		\$ 20,000			\$ -	\$ -	\$ -		\$ -	\$ -
88	Advanced Water Treatment Plant										
89	Update Chemical Pumps	1	\$ 50,000			\$ -	\$ -	\$ -		\$ -	\$ -
90	UV Bulbs	1	\$ 80,000			\$ -	\$ -	\$ -		\$ -	\$ -
91	UV Ballasts	1	\$ 60,000			\$ -	\$ -	\$ -		\$ -	\$ -

	A	C	D	E	F	G	H	I	J	K	L
		Ranking	Project Estimate	Additional Budget Request		Current FY Budget	FY Expenditures	FY Budget amount remaining		Project to Date Budget	Project to Date Expenditures
2											
92	Grade WRF Road	3	\$ 10,000			\$ -	\$ -	\$ -		\$ -	\$ -
93	Membrane and Filter Replacement Program (annual cost to build reserves)	3	\$ 25,000			\$ -	\$ -	\$ -		\$ -	\$ -
94	Replace CIP Tank (leaking)	3	\$ 15,000			\$ -	\$ -	\$ -		\$ -	\$ -
95	Replace chemical storage tank (leaking)	3	\$ 10,000			\$ -	\$ -	\$ -		\$ -	\$ -
96	Miscellaneous instrumentation / monitoring upgrades	3	\$ 25,000			\$ -	\$ -	\$ -		\$ -	\$ -
97	Subtotal		\$ 275,000			\$ -	\$ -	\$ -		\$ -	\$ -
98	Long-Term Improvement Modifications										
99	Future permanent mods at WRF for trailer fill station [transfer tanks, piping, & spill containment/loading pad]	B	\$ 200,000			\$ 200,000	\$ -	\$ 200,000		\$ 200,000	\$ -
100	Consulting assistance for coordination with Army Corps on WRDA grant (meetings, redefine work plan, & update scope of work)	2	\$ 40,000			\$ -	\$ -	\$ -		\$ -	\$ -
101	AWTP pull-barn style covers for outdoor equipment & control panels (1,2)	2	\$ 50,000			\$ -	\$ -	\$ -		\$ -	\$ -
102	Sems, Hach WIMS, or custom programmer for logging/reporting software and tablets	3	\$ 25,000			\$ -	\$ -	\$ -		\$ -	\$ -
103	Installation of remote sensing instrumentation at SS creek (needs ROE agreement with State Parks)	3	\$ 10,000			\$ -	\$ -	\$ -		\$ -	\$ -
104	Solar Array System	3	\$ 375,000			\$ -	\$ -	\$ -		\$ -	\$ -
105	Subtotal		\$ 700,000			\$ 200,000	\$ -	\$ -		\$ 200,000	\$ -
107	GRAND TOTAL		\$ 1,169,690								
109		Budgeted (B)	\$ 274,690								
110		Priority 1 Total	\$ 190,000								
111		Priority 2 Total	\$ 210,000								
112		Priority 3 Total	\$ 495,000								
113		Priority 4 Total	-								
115	Completed Projects	Ranking	Project Estimate			Current FY Budget	FY Expenditures	FY Budget amount remaining		Project to Date Budget	Project to Date Expenditures
116	Filters / membrane replacements and build reserves for future		\$ 59,639							\$ 59,639	\$ 59,639
117	Short-term flood damage mitigation		\$ 12,566							\$ 12,566	\$ 12,566
118	Hauling of last 18" of water and cleaning impoundment		\$ 94,515							\$ 94,515	\$ 94,515
119	Urban Water Management Plan - CDP Portion		\$ 20,463							\$ 20,463	\$ 20,463
120	Groundwater modeling/piezometer installation/monitoring		\$ 75,758							\$ 75,758	\$ 75,758
121	SS2 Electrical Panel Upgrade		\$ 25,000							\$ 25,000	\$ 25,000
122	Santa Rosa Well #4 Replacement		\$ 75,000							\$ 75,000	\$ 75,000

CAMBRIA COMMUNITY SERVICES DISTRICT

TO: Resources and Infrastructure Committee

AGENDA NO. **3.B.**

FROM: Jim Green, Utilities Department Manager

Meeting Date: April 15, 2024

Subject: EV Fleet and Advanced Clean Fleet Regulations

FISCAL IMPACT:

The estimated costs are \$7,800 for each charger, \$50,000 for each program-compliant vehicle (Ford F-150 Lightning) for a total of \$100,000, and design and installation costs are estimated to be \$30,000 for a total estimated project cost of \$137,800. Of this, rebates will reduce the total cost of the vehicles by \$14,000 each, and the estimated rebate amount for design and installation would be \$18,900 with the total estimated savings being \$46,900. The total estimated net cost for this project is \$90,900. The total estimated savings per year are \$2,000.

Background:

The California Air Resources Control Board (CARB) has adopted the Advanced Clean Fleets Regulation (ACF Rule). Starting November 1, 2023, initial compliance to this rule is needed with reporting for zero emission phase-in for certain fleet types beginning December 31, 2023. The ACF Rule is a program by CARB to accelerate the transition of medium and heavy-duty trucks to zero-emission vehicles.

Starting January 1, 2024, a minimum of 50% of any new vehicles purchased by the District with a gross vehicle weight rating (GVWR) above 8500 pounds must be zero-emission vehicles. For reference an F150 (or similar) truck has a GVWR of 7000 pounds, and an F250 (or similar) has a GVWR of 10,000 pounds. Starting January 1st, 2027, 100% of the vehicles with a GVWR above 8500 pounds purchased by the District must be zero-emission vehicles. This rule impacts the District because we are a government agency with more than ten vehicles in our fleet. Staff has determined that acquiring electric vehicles (EVs) and EV charging infrastructure is the best way to meet this new mandate. In addition, right now, PG&E is offering rebates and project assistance through ratepayer-funded programs for fleet owners to electrify their fleets, which offers us an incentive to move quickly with an initial program to take advantage of those offers and reduce the cost of EV adoption.

DISCUSSION:

In response to the State developing the ACF Rule, PG&E has developed its EV Fleet Program to assist agencies with cost savings for charging infrastructure. PG&E's comprehensive program encompasses incentives, rebates, site design, permitting, construction, and activation.

Normally, the addition of an electrical service to PG&E requires the customer to pay for the installation costs of all the connecting infrastructure between the electrical service lines and the electric meter. Through the EV Fleet Program, PG&E will construct, own, and maintain all electrical infrastructure from their electrical service lines to the customer meter. Fleet operators, (in this case the CCSD), will design, build, own, operate, and maintain the electrical infrastructure from the customer meter to the EV charger. The program supports level 2 and DC fast chargers for installation configurations based on a fleet

operator's needs, and rebates are available for charger purchases. PG&E offers a vehicle purchase incentive of up to \$4,000 per vehicle, in addition to the \$7,500 Federal incentive and the \$2,500 State rebate per vehicle. The San Luis Obispo Air Pollution Control District (SLO APCD) offers a rebate of up to 50% of the costs of installing the chargers.

PG&E's program closes to new applications on June 30th, 2024, so the CCSD needs to act fast to take advantage of this program.

Funding Requirements

- The district would be required to provide EV usage data for at least five years after the chargers are installed and operational.
- The district must agree to operate and maintain the EV charging equipment for at least ten years.
- The CCSD must purchase at least one charger and two program-compliant vehicles over a five-year period. A program-compliant vehicle is an EV with a GVWR of greater than 6,000 lbs.

Staff recommend the R&I Committee approve and forward on to the Board of Directors the recommendation that the CCSD apply for PG&E's program and commit to installing a minimum of one program-compliant charger, purchasing a minimum of two (2) program-compliant EVs, and agree to the terms listed in the "Funding Requirements" Section above.

Attachments: EV Fleet Electrification Path
EV Yearly Savings

The background of the slide is a faded, circular seal for the City of Cambridge Services District. The seal features a central landscape with a green tree on the left, a blue sky, and a brown landscape with yellow flowers at the bottom. A hand is shown on the right side of the seal. The text around the seal includes "CAMBRIDIA • COM", "SERVICES • DISTRICT", "Water", "Parks", "Fire", "Wastewater", and "Sources".

ZEV

Zero Emissions Vehicle mandate from CARB



EV Fleet vehicle sector mix

EV Fleet will target a diverse mix of medium- and heavy-duty vehicle types*

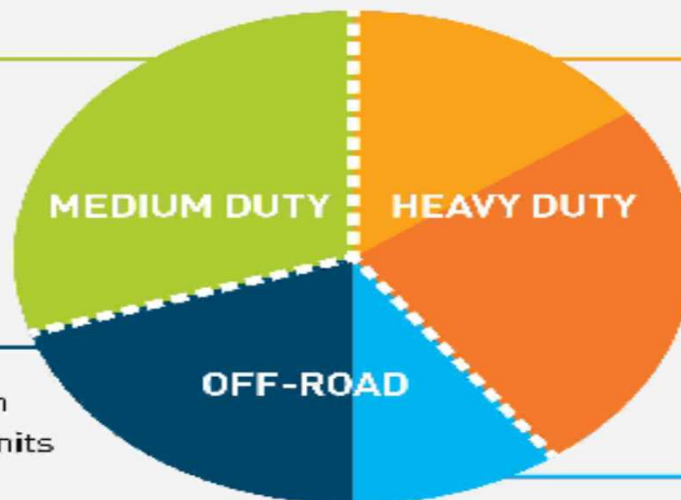
VEHICLE TYPE ESTIMATES

MEDIUM DUTY

- Delivery (class 2-6)
>6,000 lbs GVWR

OFF-ROAD

- Truck stop electrification
- Transport registration units
- Port cargo trucks
- Airport ground support equipment



HEAVY DUTY

- Transit (class 7-8)
15% minimum of total required

HEAVY DUTY

- School bus (class 6-7)
- Other (class 7-8)

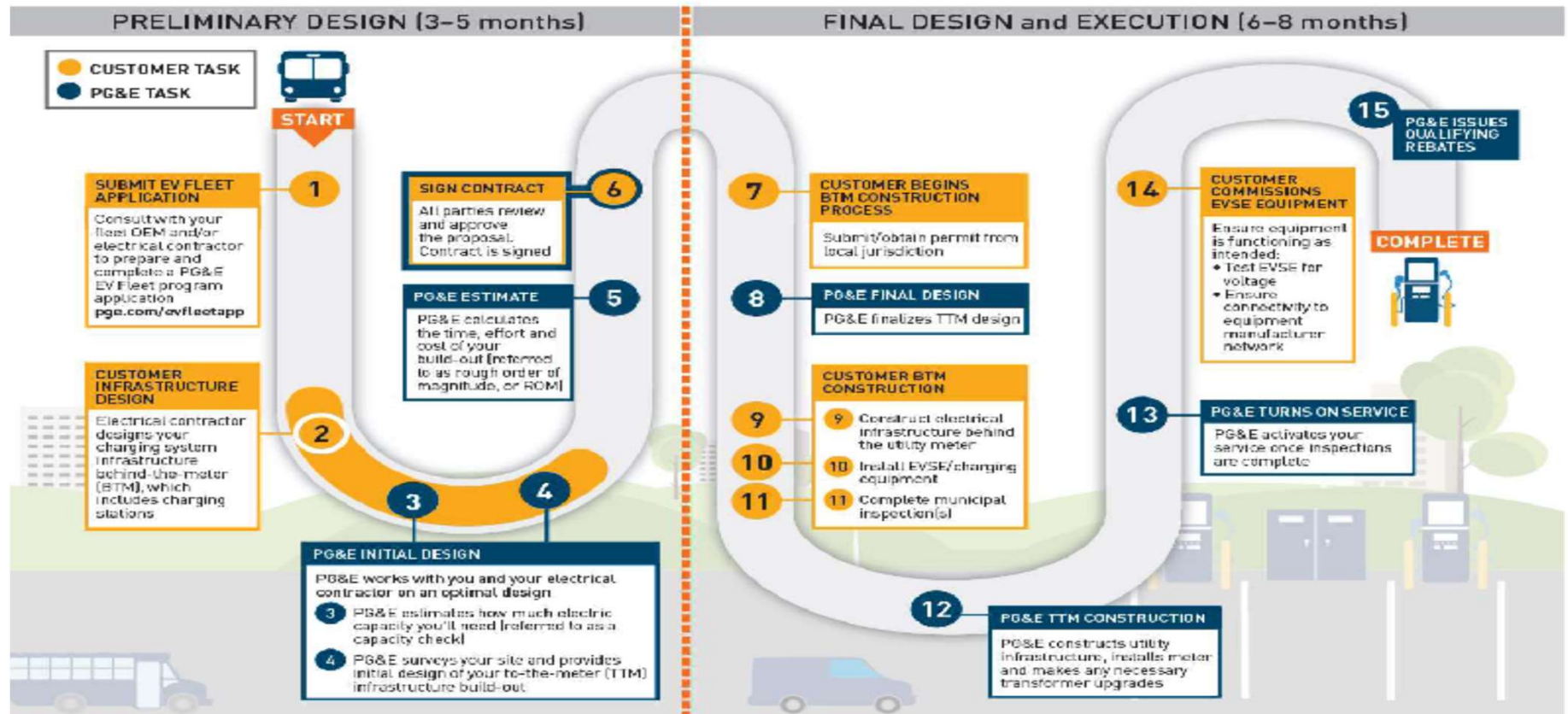
OFF-ROAD

- Forklifts (class 1 or larger)
10% maximum of total allowed

*Actual representation of vehicle types subject to vary based on program implementation, project costs, and market readiness

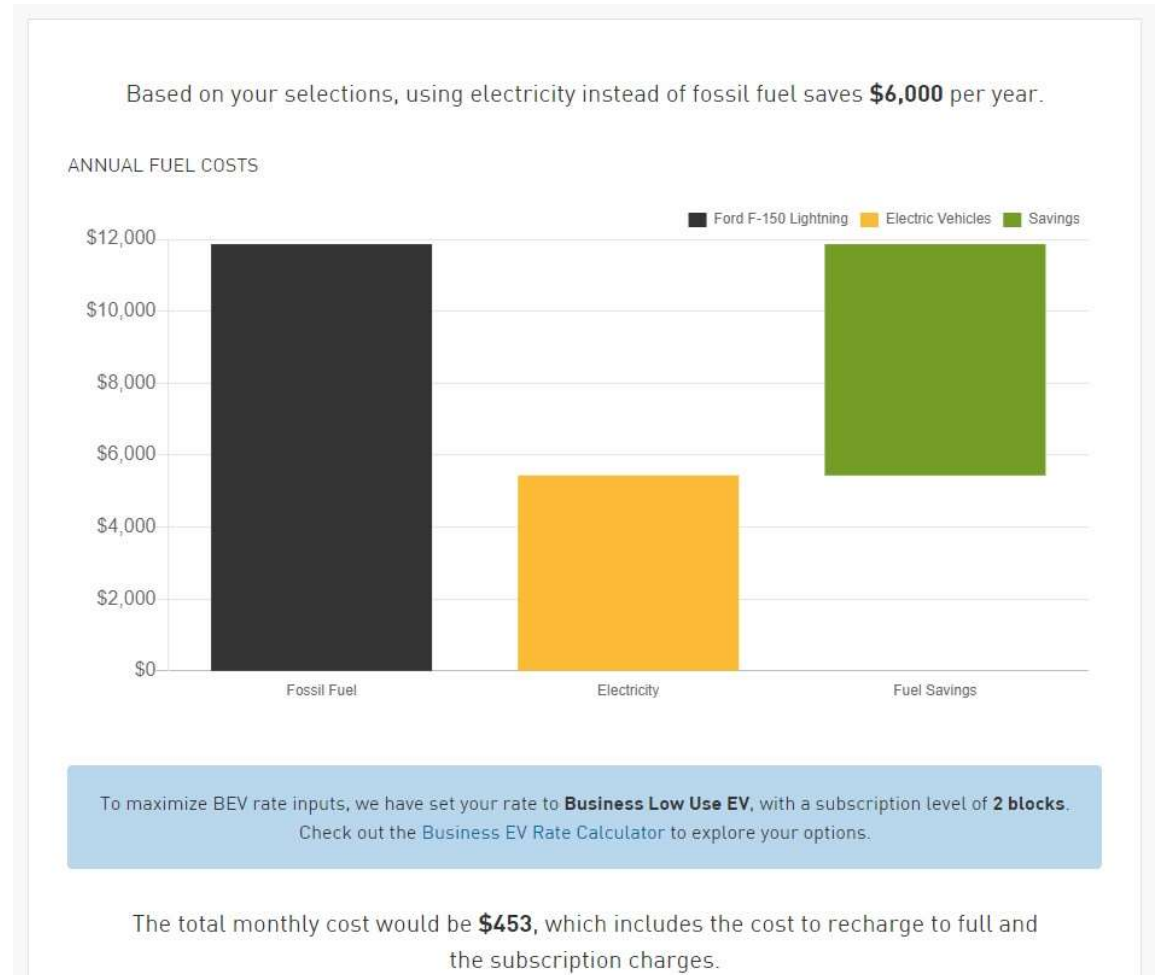


EV Fleet electrification process



Fuel Savings

- Assumptions:
- Four (4) vehicles
- 60 miles per vehicle daily, five (5) days a week
- \$3.60 per gallon fuel costs



Cost of EV vs Fossil Fueled Vehicle

- Assumptions:
- Four (4) vehicles
- 60 miles per vehicle daily, 5 days a week
- \$3.60 per gallon fuel costs

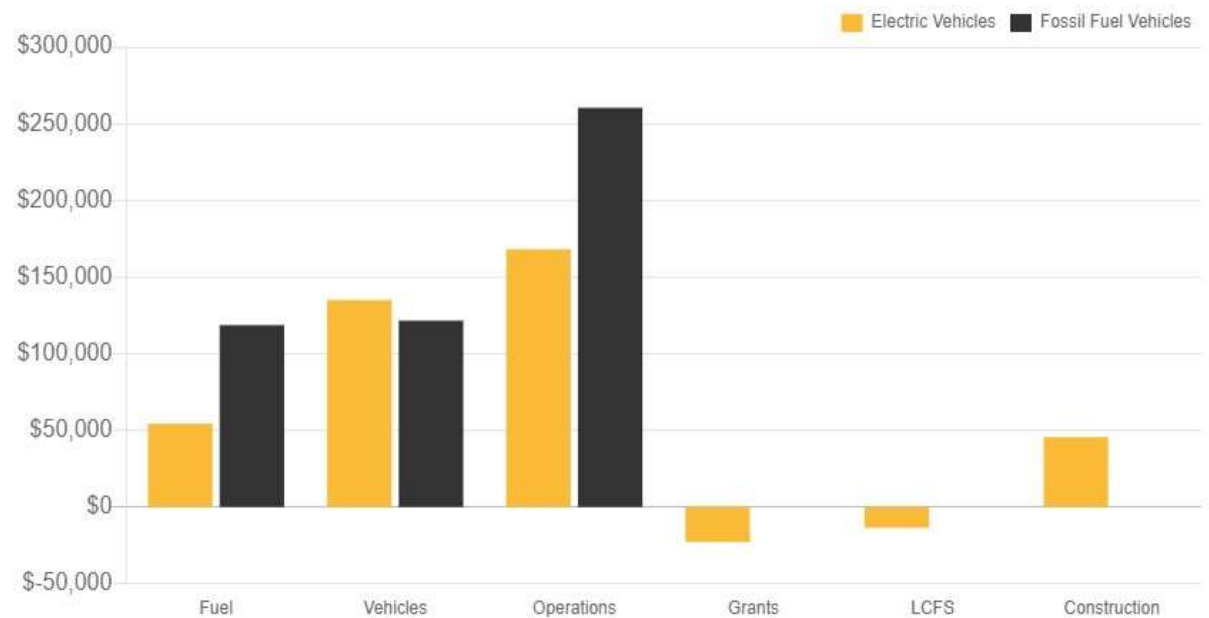
		Electric Vehicle(s)	Fossil Vehicle(s)	EV Savings
Fuel		① \$54,340	① \$118,638	\$64,298
Vehicles	Purchase	\$199,980	① \$180,000	\$-19,980
	Resale	\$-64,932	\$-58,444	\$6,487
Operations	Maintenance	① \$130,095	① \$226,165	\$96,070
	Insurance	① \$37,996	① \$34,200	\$-3,796
Grants ①		\$-22,800	N/A	\$22,800
LCFS		① \$-13,500	N/A	\$13,500
Construction		① \$45,600	N/A	\$-45,600
Total		\$366,780	\$500,559	\$133,779
Total (Rounded)		\$367,000	\$501,000	\$134,000

Savings

- Four vehicles
- Over ten years
- Fuel
- Vehicle Maintenance
 - Oil Changes
 - Periodic Maintenance (10,000-mile svc, 50,000-mile svc, etc.)
 - Belts, hoses, fluids, etc.

You're looking at **\$133,779** in **Savings** over the life of the vehicles.

TOTAL COSTS



Expected Costs for EV Adoption

- Replaces superintendent trucks, on-call operator trucks, light-duty maintenance trucks, and situations where a small (1200-watt) generator is needed to run equipment
- \$50,000 and up for the pro model (allows running of small electric tools from the truck)
 - Rebates Available:
 - \$7,500 Federal rebate
 - \$2,500 State of CA rebate
 - \$4,000 rebate from PG&E
 - Additional grants available from SLO County APCD and others
 - Net Cost: \$36,000 each
- Installation costs \$45,600
 - \$30,000 for electricity from switchgear to charger (Engineering, permitting, installation)
 - \$15,600 for the chargers
- Total: \$190,000
 - \$47,500 per truck

VEHICLES

2x Pick-up Truck Light Duty

Miles per vehicle
Days Operating
Charging60
Weekdays
9pm - 5am

+ Add a new vehicle

FUEL

GASOLINE PRICE (\$/GAL)

3.3

1

10

ELECTRICITY SOURCE

California Grid

Carbon neutral generation creates more LCFS credits. Carbon neutrality can be achieved with clean on-site generation or Renewable Energy Credits (RECs).

FINANCIAL

ELECTRICITY

VEHICLES

CHARGERS

EMISSIONS

Based on your selections, using electricity instead of fossil fuel saves **\$2,000** per year.

ANNUAL FUEL COSTS

