

2024 Amended Green Fleet Plan & Replacement Schedule

Amended Green Fleet Plan

The Amended Green Fleet Plan outlines a proposed vehicle replacement schedule to ensure compliance with California Air Resources Board's (CARB) Advanced Clean Fleet Regulations (ACFR) by the deadlines established under the Zero-Emission Vehicle (ZEV) Milestones Option. The proposed replacement schedule is less stringent than the replacement schedule from the 2021 Green Fleet Plan, which outlined a schedule to replace all vehicles with zero emission vehicles and renewable diesel by 2030. Vehicles affected by ACFR are marked in green. This document is intended to be fluid and allow for modifications as more types of vehicles are developed and more vehicle usage data for the current fleet is evaluated. Some vehicles currently have a two or three-year timeline highlighted for replacement, requiring closer evaluation as those fiscal years approach. As more vehicle usage data is available and those years get closer, staff will be able to make more accurate recommendations. Each fiscal year has a new proposed total at the bottom of each column that is subject to change based on actual future vehicle replacements. All costs are presented in 2024 dollars, including a three percent annual inflation adjustment. At this time, the cost to replace the entire fleet by fiscal year 2039 will be \$12,475,615.00.

Column Heading(s)	Description							
Number	Asset tracking number assigned to vehicle by staff							
Vehicle	Make/Model of the current vehicle: This column is from Green Fleet Plan adopted in							
Description	2021							
Vehicle Use	This indicates the work group & function of the vehicle							
Replacement	Status of whether the vehicle has been replaced, delayed or currently on order							
Status								
Replacement								
Vehicle	New asset tracking number for the replaced vehicle							
Number								
Replacement	Make/Model of the new vehicle							
Vehicle								
FY21/22 –	Recommended fiscal years for vehicle replacement. Cells marked with an * indicate							
FY38/39	the intended replacement year from the original Green Fleet Plan							

The replacement schedule uses three color codes to indicate the recommended vehicle types based on current ACFR and the Authority's needs:

- Orange: Replacement with renewable diesel vehicles
- Red: Replacement with ZEV's in accordance with CARB regulations
- Blue: Replacement with gasoline or hybrid options
- Light Blue: Light duty vehicles that do not fall under ACFR
- Gold: Heavy equipment and trailers that do not fall under ACFR

Fleet Optimization Study

A Fleet Optimization Study may influence the replacement schedule for CARB-compliant vehicles. There is potential for the data to reveal opportunities to downsize current Class 2b vehicles to light-duty options. Once findings are accepted by the Board, it will most likely amend the replacement schedule of the Amended Green Fleet Plan presented within.

Based on findings from the Fleet Optimization Study, staff will provide annual recommendations for vehicle replacements. Vehicles assigned to each workgroup are designated according to their intended use, with any changes evaluated on a case-by-case basis to ensure that staff can perform their duties safely and efficiently.

Asset				T	1	1	1	1	1	1	1			1	1			1	1	1		
Number	Vehicle Description	Vehicle Use	Replacement Status	Replacement Vehicle Numbe	r Replacment Vehicle	FY21/22	FY22/23	FY23/24	FY24/25	FY25/26	FY26/27	FY27/28 FY28/29	FY29/30	FY30/31	FY31/32	FY32/33	FY33/34	FY34/35	FY35/36	FY36/37	FY37/38	FY38/39
12-13 F	ord F250	Operations Foreman's truck	Delayed. Vehicle still meets Authority needs				*		\$62,600.00													
12.20	ord F250	Customer service Utility Truck	Delayed. Vehicle still meets Authority needs					*	\$62,600.00													
13-26	ord F450	Operations 2.5 Yrd. Dump Truck	Delayed. Vehicle still meets Authority needs					*	400.000.00													
12-44							*	*	\$93,200.00									\$122,000.00				
02-29 St 09-69 Ft	terling SC7000 ord F750	Operations Crew Truck Operations 5 Yrd. Dump Truck	On hold On hold				*		\$204,000.00 \$155,000.00									\$304,000.00		\$208,000.00		
F	ord F250 4x4	Water Quality Maintenance truck	Delayed. Vehicle still meets Authority needs				*			\$65,000.00												
12-50 18-12 F	ord F250	Operations Foreman's truck								\$64,500.00												
L14-27 F	ord F250 4x4	Engineering/ Caretaker truck								\$64,020.00												
12-47	reightliner M2	Operations 5 Yrd. Dump Truck	Delayed. Vehicle still meets Authority needs					*		\$160,000.00											\$215,000.00	
11-57	reightliner M2	Operations 5 Yrd. Dump Truck	Delayed. Vehicle still meets Authority needs					*		\$160,000.00												\$222,000.00
F	ord F350	Garage Utility Truck	Delayed. Vehicle still meets Authority needs					*		\$88,000.00									\$115,600.00			
06-24 13-14 F	ord F650	Operations Crew Truck								\$00,000.00	\$215,000,00								Ş113,000.00			
L15-33 F	ord F250	Customer service Utility Truck									\$66,000.00											
L16-62 F	ord F250 ord F350 4x4	Customer service Utility Truck Engineering/ Caretaker flatbed truck									\$90,000.00 \$92,000.00							\$120.000.00				
L14-31 F		chighteening/ caretaker induced truck									\$92,000.00	\$102,000.00						Ģ120,000.00				
L14-32 F	ord F450 2.5 Yrd. Dump Truc ord F250	k Operations 2.5 Yrd. Dump Truck System operators Utility Truck										\$102,000.00 \$93,000.00								¢118.000.00		
L16-08 F	ord Ford F250	Customer service Utility Truck										\$95,500.00	00							\$118,000.00		
L16-21 F	ord F250	Operations Flatbed Truck Valve										\$94,000.	0									
18-42 F	ord F250 ord F250	Customer service Utility Truck Customer service Utility Truck										\$70,000.0 \$70,000.0										
18-28 lr	iternational HX620	Operations 10 Yrd. Dump Truck										\$278,000										\$362,000.00
13-37 F	ord F750 ord F650	Trench plate truck Operations Crew Truck											\$144,000.00 \$234,000.00									
18-04 F	ord F350	Customer service Utility Truck											\$97,000.00									
18-52 Ir 07-36 Fr	nternational 4400 ord F250	Engineering/ Caretaker 4 Yrd Dump Truck Operations Foreman's truck	Replaced	22-36	Ford F250	•							\$175,000.00	\$74,000.00								\$228,000.00
09-48 F	ord F350	Operations Flatbed Truck (Valve/FH Maint)	On order			*								\$143,000.00								
09-58 F	ord F350 ord F250 4x4	Operations Flatbed Truck (Valve/FH Maint) Engineering/ Caretaker flatbed truck	On order Replaced	22-63	Ford F250 4x4 Flatbed			*						\$143,000.00								
12-63			Replaced	22.03	10101230 424 Hatbed	•								\$93,000.00								
16-11 F	ord F650 ord F250 4x4	Operations Crew Truck Engineering/ Caretaker Utility truck	Purchased			•								\$240,500.00 \$116.000.00								
F	ord F250	Operations Foreman's truck	Replaced	22-05	Ford F150 Lightning	•									\$75,750.00							
07-05	ord F250	Operations locators truck	Replaced	23-15	class 2a Ford F150 Lightning										\$75,750.00							
08-15 12-16 F	ord F250 4x4	Engineering/ Caretaker Utility truck	On order		class 2a	•									\$75,750.00	\$106,500.00						
16-35 F	ord F350	Operations Flatbed Truck (Welder)	on order													\$152,000.00						
17-10 Ir	nternational 4300 ord F150	Operations Crew Truck Water Quality Maintenance truck	Doplaced	23-51	Ford F1F0 Lightning											\$255,000.00						
07-51			Replaced		Ford F150 Lightning class 2a		*									\$78,000.00						
10-09 F	ord F250 ord F350	Customert service Utility Truck System operators Utility Truck	Replaced On order	23-09	Chevrolet Bolt EUV		*									\$48,500.00	\$101,000,00					
11-25 F	ord F450 2.5 Yrd. Dump Truc	k Operations 2.5 Yrd. Dump Truck	On order					*									\$101,000.00 \$119,000.00					
17-74 F	ord F-350 ord F350	Operations traffic control truck Chipper truck	Replaced	23-55	Ford F150 Lightning												\$81,200.00					
09-55				23-33	class 2a	•												\$81,400.00				
10-19 F	ord F350 terling LT7501	System operators Utility Truck Hydro-excavation/ vacuum truck	On order Replaced	22-75	International HV607	•								-					\$126,500.00 \$747.000.00			
03-34 S	terling LT9500	Operations 10 Yrd. Dump Truck	On order			*														\$345,000.00		
12-59 F	ord F250 Flatbed ord F350	Finance warehouse truck System operators Utility Truck	On order					*												\$109,000.00 \$118,000.00		
23-79 Fi	reightliner M2	Distribution system flushing truck																		<i>1</i>	\$740,000.00	
11-06 F	ord F250 ord F350	Engineering inspectors truck Standby Utility Truck	Replaced Will be sold at auction	23-06 18-12	Chevrolet Bolt EUV Ford F250		*															
09-38 F	ord F250	Standby Utility Truck	Will be sold at auction	18-38	Ford F250 Utility																	
08-61	Chevrolet Colorado	Engineering Enviromentalists truck	Delayed, Board wanted to consider non electric alternative				*		\$41,320.00													
	Ford Escape Hybrid	Facilities maintenance	Delayed, Board wanted to consider non				*		\$38,500.00													
10-64	Ford F150 4X4	Water Quality Maintenance truck	electric alternative Delayed. Vehicle still meets Authority needs				*															
11-41							*		\$38,500.00													
L14-17	Ford F150 crew cab 4x4 Ford Escape Hybrid	Engineering/ Caretaker truck Public affairs vehicle	Delayed. Vehicle still meets Authority needs						\$68,675.00	405-000								-				
08-73										\$39,000.00												
10-18	Ford Escape Hybrid	Water Quality pool vehicle	Delayed. Vehicle still meets Authority needs				*			\$39,000.00												
12-68	Ford Escape Hybrid	Water Quality Chief System Operators vehicle	Delayed. Vehicle still meets Authority needs			*				\$39,000.00											l T]
	Ford Fusion	Operations pool vehicle	Delayed. Vehicle still meets Authority needs					*		\$39,000.00												
	1010103011	operations poor venicie	,							,												
13-22	GMC Sierra 1500	Admin services cross connection truck	Delayed. Vehicle still meets Authority needs				-			674 004 00											1	
13-71	GMC Sierra 1500	Admin services cross connection truck					*			\$71,000.00												
13-71 L14-43		Admin services cross connection truck Engineering inspectors truck					*			\$71,000.00 \$71,000.00 \$71,000.00												
13-71 L14-43 L14-46 L14-23	GMC Sierra 1500 Ford F150 extra cab Ford F150 extra cab Ford Escape	Admin services cross connection truck Engineering inspectors truck Engineering inspectors truck Water Quality lab vehicle					*			\$71,000.00	\$40,000.00											
13-71 L14-43 L14-46 L14-23 L15-03	GMC Sierra 1500 Ford F150 extra cab Ford F150 extra cab Ford Escape Ford Escape	Admin services cross connection truck Engineering inspectors truck Engineering inspectors truck Water Quality lab vehicle Operations manager vehicle								\$71,000.00	\$40,000.00											
13-71 L14-43 L14-46 L14-23	GMC Sierra 1500 Ford F150 extra cab Ford F150 extra cab Ford Escape Ford Escape Ford Escape Ford Escape	Admin services cross connection truck Engineering inspectors truck Engineering inspectors truck Water Quality lab vehicle					*			\$71,000.00	1 1/1 1 1 1											
13-71 L14-43 L14-46 L14-23 L15-03 L15-45 L15-49 L15-53	GMC Sierra 1500 Ford F150 extra cab Ford F150 extra cab Ford Escape Ford Escape Ford Escape Ford Escape Ford Escape	Admin services cross connection truck Engineering inspectors truck Engineering inspectors truck Water Quality lab vehicle Operations manager vehicle Admin services programs managers vehicle Water Quality pool vehicle Customer service vehicle					*			\$71,000.00	\$40,000.00 \$40,000.00 \$40,000.00 \$40,000.00											
13-71 L14-43 L14-46 L14-23 L15-03 L15-45 L15-49	GMC Sierra 1500 Ford F150 extra cab Ford F150 extra cab Ford Escape Ford Escape Ford Escape Ford Escape	Admin services cross connection truck Engineering inspectors truck Engineering inspectors truck Water Quality lab vehicle Operations manager vehicle Admin services programs managers vehicle Water Quality pool vehicle					*			\$71,000.00	\$40,000.00 \$40,000.00 \$40,000.00	\$44,000.1										
13-71 L14-43 L14-46 L14-23 L15-03 L15-45 L15-53 L15-65 L14-66 L15-56	GMC Sierra 1500 Ford F150 extra cab Ford F150 extra cab Ford Escape Ford Escape Ford Escape Ford Escape Ford Escape Ford Escape Ford Escape Ford Escape Ford Escape	Admin services cross connection truck Engineering inspectors truck Engineering inspectors truck Water Quality lab vehicle Operations manager vehicle Admin services programs managers vehicle Water Quality pool vehicle Customer service vehicle Water Quality pool vehicle Admin services cross connection truck Operations pool vehicle					* 			\$71,000.00	\$40,000.00 \$40,000.00 \$40,000.00 \$40,000.00	\$44,000.0 \$33,000.1	00									
13-71 1.14-43 1.14-46 1.14-23 1.15-03 1.15-45 1.15-65 1.14-66 1.15-56 1.14-667	GMC Sierra 1500 Ford F150 extra cab Ford F150 extra cab Ford Escape Ford Escape Ford Escape Ford Escape Ford Escape Ford Escape Ford Escape Ford F150 Ford F150 Ford F150 Ford F150 Ford F150 Ford F150 Ford F150	Admin services cross connection truck Engineering inspectors truck Engineering inspectors truck Water Quality lab vehicle Operations manager vehicle Admin services programs managers vehicle Water Quality pool vehicle Customer service vehicle Water Quality pool vehicle Customer service vehicle Operations pool vehicle Admin services cross connection truck Operations pool vehicle Finance/ IS support specialist van	Delayed. Vehicle still meets Authority needs		Ford F150 Lightning		*			\$71,000.00	\$40,000.00 \$40,000.00 \$40,000.00 \$40,000.00											
13-71 L14-43 L14-46 L14-23 L15-03 L15-45 L15-45 L15-45 L15-55 L14-66 L15-56 L15-56 L16-67 06-54	GMC Sierra 1500 Ford F150 extra cab Ford F150 extra cab Ford 5scape Ford 5scape Ford 5scape Ford 5scape Ford 5scape Ford 5scape Ford 5scape Ford 5scape Ford Stace Ford Stace	Admin services cross connection truck Engineering inspectors truck Engineering inspectors truck Water Quality lab vehicle Operations manager vehicle Admin services programs managers vehicle Water Quality pool vehicle Customer service vehicle Water Quality pool vehicle Admin services consection truck Operations pool vehicle Finance/ IS support specialist van Engineering Technician vehicle	Delayed. Vehicle still meets Authority needs	23-54	Ford F150 Lightning class 2a Chawnel Brit EV	•	*			\$71,000.00	\$40,000.00 \$40,000.00 \$40,000.00 \$40,000.00		00		\$75,750.00							
13-71 14-43 14-46 14-23 15-03 115-03 115-49 115-53 115-65 114-66 115-56 114-66 115-56 116-67 06-54 06-72	GMC Sierra 1500 Ford F150 extra cab Ford F150 extra cab Ford Escape Ford Escape Ford Escape Ford Escape Ford Escape Ford Escape Ford Escape Ford F150 Ford F150 Ford F150 Ford F150 Ford F150 Ford F150 Ford F150	Admin services cross connection truck Engineering inspectors truck Engineering inspectors truck Water Quality lab vehicle Operations manager vehicle Admin services programs managers vehicle Water Quality pool vehicle Customer service vehicle Water Quality pool vehicle Customer service vehicle Operations pool vehicle Admin services cross connection truck Operations pool vehicle Finance/ IS support specialist van	Delayed. Vehicle still meets Authority needs		Ford F150 Lightning class 2a Chevrolet Bolt EV Ford F150 Lightning	•	*			\$71,000.00	\$40,000.00 \$40,000.00 \$40,000.00 \$40,000.00		00		\$47,000.00							
13-71 L14-43 L14-46 L14-23 L15-03 L15-45 L15-45 L15-55 L15-65 L15-56 L15-56 L15-56 L16-67 06-54 06-72 11-60	GMC Sierra 1500 Ford F150 extra cab Ford F150 extra cab Ford Escape Ford Escape Ford Escape Ford Escape Ford Escape Ford Escape Ford F150 Ford Escape Ford Transit Connect Ford Explorer 4x4 Ford Taurus Sedan Ford Escape Hybrid	Admin services cross connection truck Engineering inspectors truck Engineering inspectors truck Water Quality lab vehicle Operations manager vehicle Admin services programs managers vehicle Water Quality pool vehicle Customer service vehicle Water Quality pool vehicle Admin services consection truck Operations pool vehicle Finance/ IS support specialist van Engineering Technician vehicle Engineering Pool vehicle Admin services safety/risk vehicle	Delayed. Vehicle still meets Authority needs	23-54	class 2a Chevrolet Bolt EV	*	* 			\$71,000.00	\$40,000.00 \$40,000.00 \$40,000.00 \$40,000.00		00			578.000.00						
13-71 L14-43 L14-46 L14-23 L15-03 L15-53 L15-55 L14-66 L15-55 L16-67 06-54 06-72 11-60 10-02	GMC Sierra 1500 Ford F150 extra cab Ford F150 extra cab Ford Escape Ford Escape	Admin services cross connection truck Engineering inspectors truck Engineering inspectors truck Water Quality lab vehicle Operations manager vehicle Admin services programs managers vehicle Water Quality pool vehicle Customer service vehicle Water Quality pool vehicle Customer service vehicle Water Quality pool vehicle Goperations pool vehicle Finance/ IS support specialist van Engineering Technician vehicle Engineering Pool vehicle	Delayed. Vehicle still meets Authority needs Replaced Replaced Replaced On order Delayed. In Green Fleet Plan not presented	23-54	class 2a Chevrolet Bolt EV Ford F150 Lightning	*				\$71,000.00	\$40,000.00 \$40,000.00 \$40,000.00 \$40,000.00		00		\$47,000.00	\$78,000.00						
13-71 L14-43 L14-46 L14-23 L15-03 L15-49 L15-53 L15-56 L16-67 06-54 06-72 11-60 10-02 E01-59	GMC Sierra 1500 Ford F150 extra cab Ford F150 extra cab Ford Escape Ford Escape Ford Escape Ford Escape Ford Escape Ford Escape Ford F150 Ford Escape Ford Transit Connect Ford Explorer 4x4 Ford Taurus Sedan Ford Escape Hybrid Ford Escape Hybrid	Admin services cross connection truck Engineering inspectors truck Engineering inspectors truck Water Quality lab vehicle Operations manager vehicle Admin services programs managers vehicle Water Quality pool vehicle Customer service vehicle Water Quality pool vehicle Admin services cross connection truck Operations pool vehicle Finance/ IS support specialist van Engineering Technician vehicle Engineering Pool vehicle Admin services afety/risk vehicle Operations manager vehicle	Delayed. Vehicle still meets Authority needs Replaced Replaced On order	23-54	class 2a Chevrolet Bolt EV Ford F150 Lightning	*	· · · · · · · · · · · · · · · · · · ·		\$184,000.00	\$71,000.00	\$40,000.00 \$40,000.00 \$40,000.00 \$40,000.00		00		\$47,000.00	\$78,000.00	\$136,000.00					

							1							1									
		Engineering /Caretaker utility vehicle	Replaced	E22-80	John Deere 865E	•											\$17,000.00	r					
E13-61	Case 570N XT	Engineering /Caretaker skiploader									\$176,000.00												1
E14-131	G3 1860 PKG	Loveland Work Boat									\$27,000.00												1
E14-52	John Deere 410K	Operations Backhoe										\$188,000.00											í l
E14-70	Case 590SN	Operations Backhoe										\$188,000.00											1
E17-67	John Deere 410L	Operations Backhoe											\$194,000.00										1
E18-58	Clark C40D	Operations /Water Quality Forklift														\$71,000.00							
E18-68	Clark C40D	Operations /Water Quality Forklift														\$71,000.00							
E18-81	John Deere Gator XUV855M	Water Quality Maintenance Utility vehicle												\$15,500.00									1
E18-89	John Deere 5115M	Engineering/ Caretaker agricultural tractor																	\$106,000.00				
E19-53		Operations Backhoe														\$208,500.00							1
E19-64	Vermeer Pacific BC1000XL	Chipper														\$58,500.00							1
E05-51	John Deere 410G	Operations Backhoe	Replaced	E21-51	John Deere 410L	•										+		\$222,000.00					
		Water Quality plant operator utility vehicle	On hold		Joint Decire 1102			*	\$13,500,00									\$222,000.00	\$18.000.00				
215 05	John Deere Gator 655D	water quality plant operator utility vehicle	on hold						\$961,895.00	\$970,520.00	\$906,000.00	\$673,000.00	\$878,500.00	\$717,500.00	\$809,500.00	\$759,000.00	\$735,000.00	\$659,200.00	\$751,400.00	\$989,100.00	\$898,000.00	\$955,000.00	\$812,000.00
				-		-			\$901,895.00	\$970,520.00	\$906,000.00	\$675,000.00	\$878,500.00	\$717,500.00	\$609,500.00	\$759,000.00	\$755,000.00	\$659,200.00	\$751,400.00	\$989,100.00	\$898,000.00	\$955,000.00	\$812,000.00
																		Tota	to replace fleet in	2024 dollars adjust	ed for 3% annual inf	ation	\$12,475,615.00
					_													TOLA	to replace neet in	2024 donars aujust	eu ioi 378 annuai ini	ation	\$12,475,615.00
						-																	
				L					4				4		-								
			Annual budgeted	amounts per Green Fleet Plan		\$650,000.00	\$669,500.00	\$689,585.00	\$710,273.00	\$731,581.00	\$753,528.00	\$776,134.00	\$799,418.00	\$823,401.00									
	oston Whaler GB17N3-299	Loveland Work Boat																					
T02-150 T	raileze TE24R25	Operations Heavy Equipment Trailer																					1
T02-300 B	Bulter LT-1014	Engineering Equipment trailer																					1
T03-400 T	raileze TE24R25	Operations Heavy Equipment Trailer																					1
																							1
																							1
R	tenewable Diesel																						1
C	lass 2b ZEV or greater																						1
	as or Hybrid			1									1		1								
S	ubject to (ACFR) Advanced			1		1							1		1								
C	lean Fleet Regulation																						,
	ight Duty Vehicles not subject to					1																	, I
A	CFR compliance																						
						1																	, I
	leavy Equipment not subject					1							1										, I
t	o ACFR compliance																						
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