



South Placer Municipal Utility District  
Regular Board Meeting  
May 3, 2024

# ADVANCED CLEAN FLEETS (ACF) REGULATION OVERVIEW

# Measures to Clean Up Heavy-Duty Vehicles



2018  
Innovative Clean  
Transit



2020  
Advanced  
Clean Trucks



2021  
Heavy-Duty  
Inspection and  
Maintenance



Future  
Zero-Emission  
Truck Measure

2019  
Zero Emission Airport  
Shuttle



2020  
Heavy-Duty  
Omnibus



2023  
Advanced  
Clean Fleets

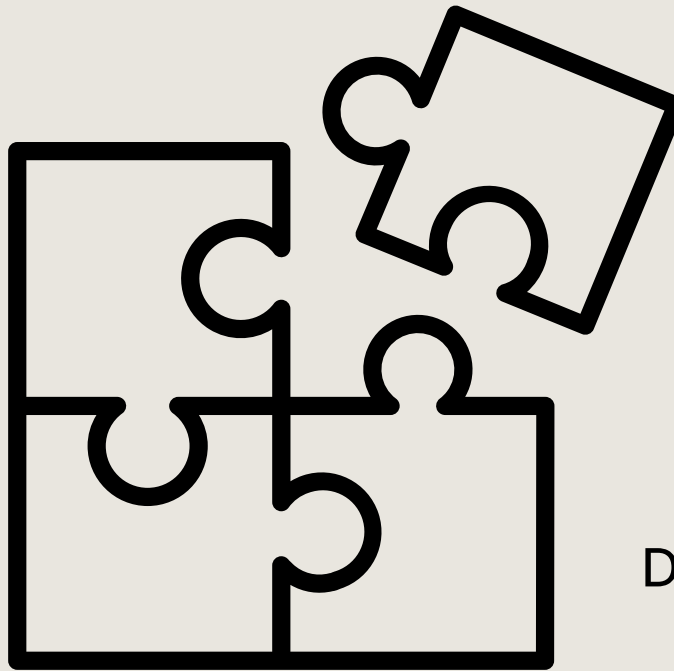


# ACF REGULATION COMPONENTS

**State and Local  
Government Fleets**

100% ZEV Sales  
Requirement

High Priority and  
Federal Fleets



Drayage Trucks



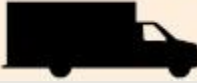


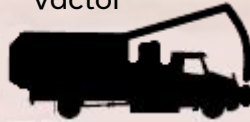
# 100% ZERO EMISSION VEHICLE (ZEV) SALES

**Starting 2036,  
All Class 2b – Class 8  
vehicles sold in CA  
must be ZEVs**

## **Reasoning**

- Provides certainty to the market and supply chain for manufacturers, fleets, infrastructure providers, service technicians, partner agencies, and local governments
- Expands market choice

# REGULATED VEHICLES AT SPMUD

	Vehicle Class	GVWR		# of SPMUD Vehicles
Medium-Duty	Class 2b	8,501 lb to 10,000 lb	<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p>Panel Van</p>  </div> <div style="text-align: center;"> <p>Standard Pickup</p>  </div> </div>	9
	Class 4	14,001 lb to 16,000 lb	<p>Medium Straight Truck</p> 	1
	Class 5	16,001 lb to 19,500 lb	<p>Large Maintenance Truck</p> 	1
Heavy-Duty	Class 7	26,001 lb to 33,000 lb	<p>Dump Truck</p> 	1
	Class 8	33,001 lb & Over	<p>Vactor</p> 	2

## VEHICLE PURCHASES

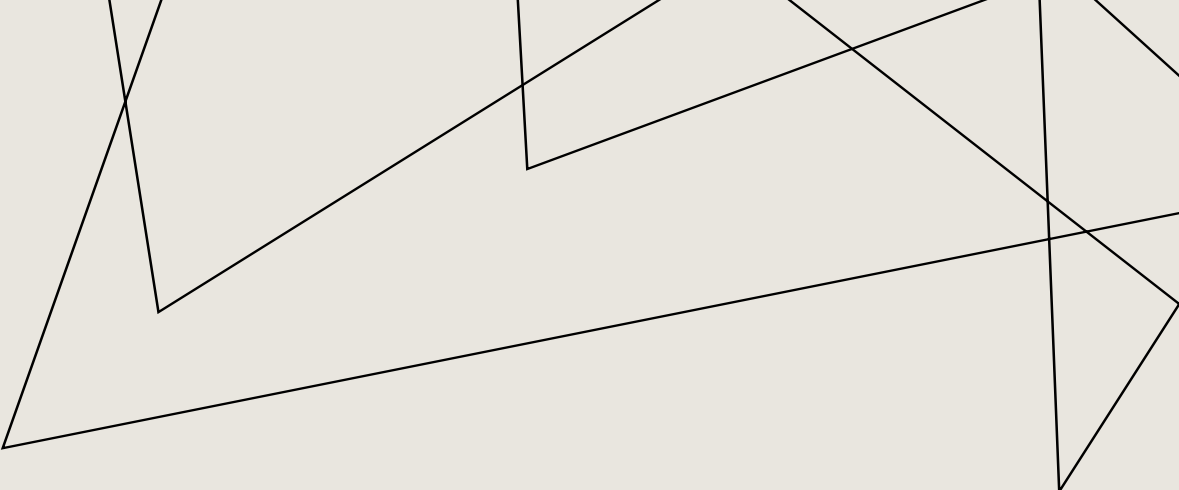


50% of purchases must  
be ZEV or NZEV  
(There are exemptions)

Starting Jan 1, 2027  
All purchases must  
be ZEV or NZEV

ZEV or NZEV = Electric, Hydrogen Fuel Cell, Plug-in Hybrid

# VEHICLE PURCHASES



## Optional “Milestone Method”

Zero-Emission Fleet Percentage	10%	25%	50%	75%	100%
Group 1: Box trucks, vans, 2-axle buses, yard trucks, light-duty package delivery vehicles	2025	2028	2031	2033	2035
Group 2: Work trucks, day cab tractors, 3-axle buses	2027	2030	2033	2036	2039
Group 3: Sleeper cab tractors and specialty vehicles	2030	2033	2036	2039	2042

# VEHICLE PURCHASES

## Costs

- Could be 2-3 times initial
- Lower maintenance/fuel
- Could reach TCO parity

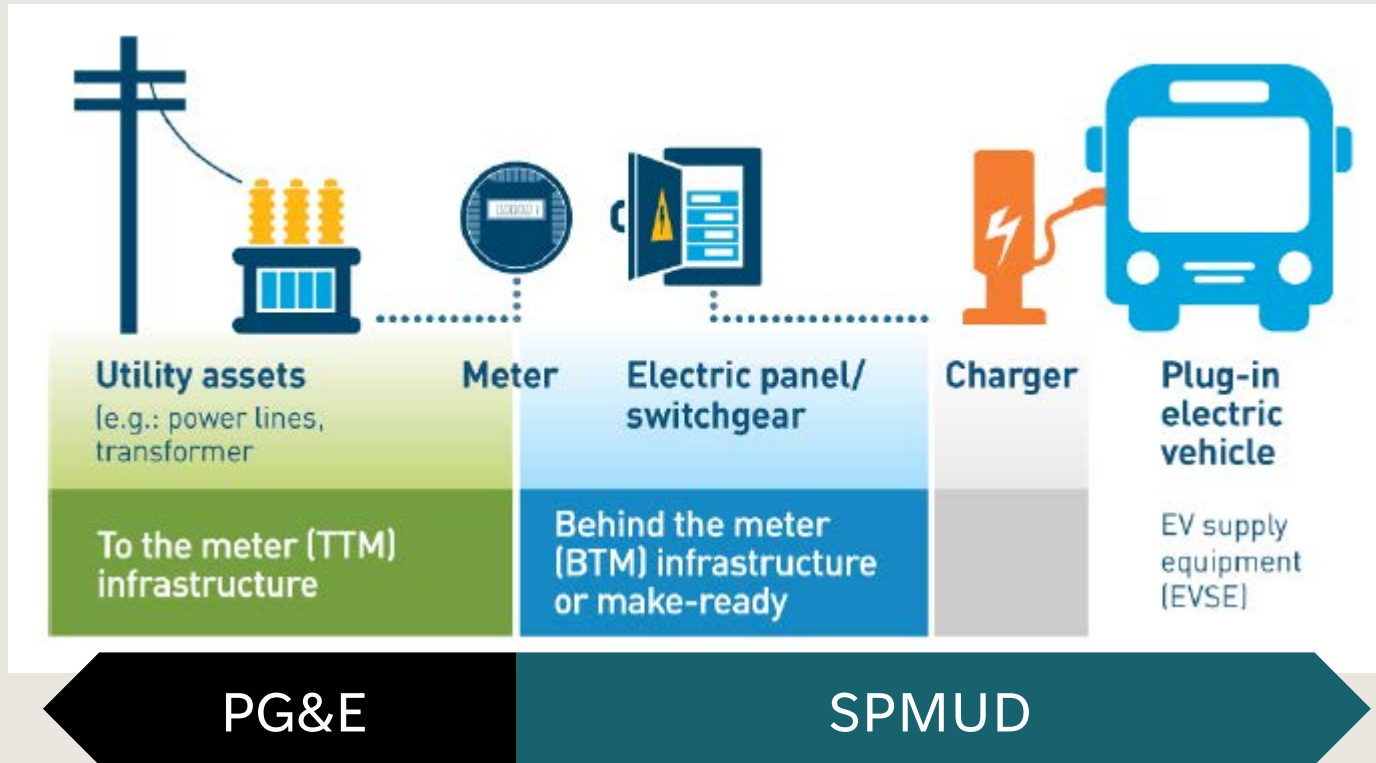
## Grant/Loan Programs

CalCAP Programs

- ZEV Vehicles
  - ZEV Infrastructure
- PG&E
- EV Fleet Program



# ZEV INFRASTRUCTURE (CHARGING)



## Cost

- \$40k / charger

## Incentives

- \$4k / charger
- ~10%

# ZEV INFRASTRUCTURE (CHARGING)

## Considerations

- Meter placement
  - Civil improvements to CY
- Meter sizing
  - Dependent on vehicle use
  - Dependent on available range



## NEXT STEPS

### **Retain Consultant**

- Develop a compliant program
- Navigate grant/loan opportunities
- Establish baseline vehicle use (equiv. range)
- Develop a “master plan” for implementation
  - Schedule of vehicle replacement
  - Determine exemptions and prepare applications
  - Design/sizing of required infrastructure

The image features a dark grey background with a series of white, overlapping, irregular lines on the left side. These lines form a complex, abstract geometric pattern that resembles a stylized, fragmented shape or a series of overlapping polygons. The lines vary in length and orientation, creating a sense of depth and movement.

QUESTIONS?