

DOCKETED

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EnergIZE LCFS Credits Workshop

EnergIZE Commercial Vehicles Project Low Carbon Fuel Standard (LCFS) Credits Workshop slide deck below from August 23, 2022, presented by e-Mission Control, a Momentum company.

A recording of the workshop is viewable at the link below.
<https://youtu.be/X0it3n0a5fM>

Additional submitted attachment is included below.



EnergiZE Workshop
Low Carbon Fuel Standards (LCFS)
Credits Overview

August 23, 2022

EnergIIZE Commercial Vehicles

Energy Infrastructure Incentives for Zero-Emission Commercial Vehicles
Accelerating fueling infrastructure deployment for zero-emission trucks, buses and equipment

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Zoom Logistics

Webinar URL:

<https://us06web.zoom.us/j/82520543143?pwd=eWFwY2JkUzAvZkZlUmt5bXBveWRtQT09>

Webinar ID: 825 2054 3143

Passcode: 150274

Mobile:

+16694449171,,84111872288# US

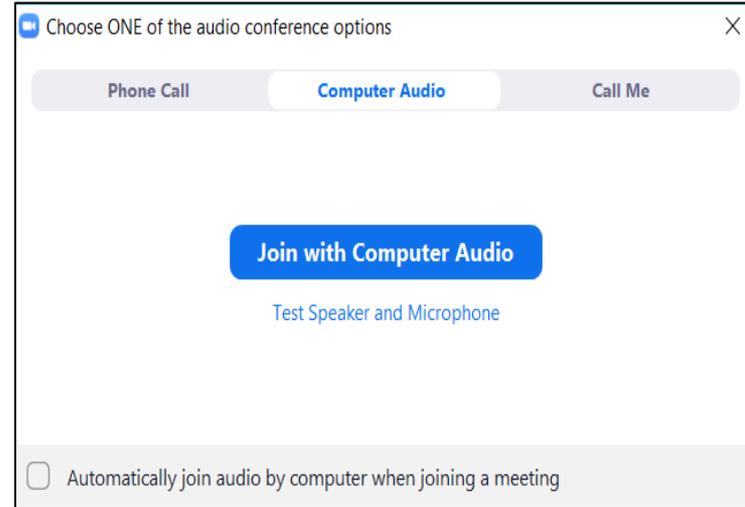
+16699006833,,84111872288# US (San Jose)

Dial by your location

+1 669 900 6833 US (San Jose)

+1 253 215 8782 US (Tacoma)

If you dial-in from a phone, use the meeting ID and passcode from invite



All participants (web and dial-in) are automatically in listen-only mode.

All participants will be unable to share their video.

If you have questions, you can use the chat function. You may send messages to the whole meeting or individual participants.

e-**Mission Control**
A MOMENTUM COMPANY

SPEAKER:



Colby Green
Director of
Business Development

Q & A:



Todd Trauman
CEO



Elaine O'Byrne
Director of Operations

Who We Are

- We facilitate participation in CA's LCFS for owners and operators of zero-emission vehicles and equipment at, retailers, grocers, manufacturers, distribution facilities, municipalities and others.
- We leverage our software solution to eliminate administrative roadblocks of these programs and give fleet operators more visibility into their electric fleets.
- We are a subsidiary of Momentum, one of the world's premier clean energy and transportation strategic advisors.
- Located in Downtown Sacramento near the state capitol and the California Air Resources Board (CARB).

e-Mission Control
A MOMENTUM COMPANY



1-833-ZeroCO2

e-MissionControl.com

info@e-missioncontrol.com

Our Mission



eMC's mission is to create a world where green transportation is accessible and affordable to all, including individuals, businesses, non-profits, and public agencies.

WHY

We believe in a world where green transportation is accessible and affordable to ALL businesses.

HOW

We do this by creating software tools and platforms that streamline and automate traditionally burdensome government programs.

WHAT

Specifically, we've developed a proprietary system for onboarding electric fleets into clean fuel programs. It requires little to no effort by fleet operators and results in significant financial and environmental benefits.

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Current e-Mission Control Client Partners

e-Mission Control
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SEKO

JOANN

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Peet's Coffee

Taylor FARMS

VIRCO

UNFI
BETTER FOOD. BETTER FUTURE.

WinCo FOODS

Dole

Driscoll's
Only the Finest Berries™

Biagi Bros.

PELTON SHEPHERD INDUSTRIES

PCA
PACKAGING CORPORATION OF AMERICA

CRYSTAL
CREAMERY™

Save Mart

DOLLAR GENERAL

GROCERY OUTLET
bargain market

Tony's
Fine Foods

SOUTHERN GLASS
WINE & SPIRITS

NorCal
PRODUCE

Port of Stockton
CALIFORNIA

Jackson
FAMILY WINES

LKQ
Corporation

Coastal Manufacturing
INCORPORATED

Producers
SINCE 1932

DELICATO
Family Wines

ome

Martinelli's

PLASTIKON

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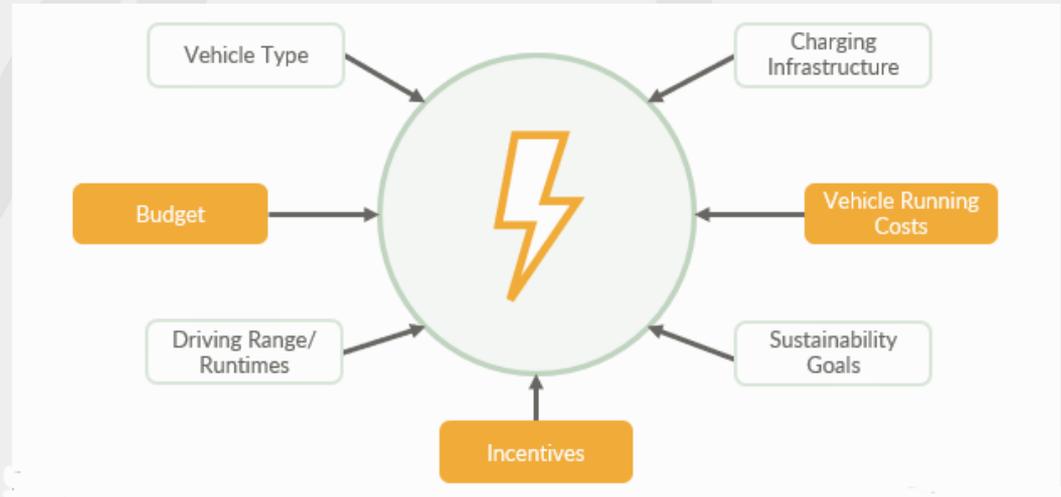
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Electrification

A Lot to Consider In Total Cost of Ownership Analysis:

- Vehicle Types & OEMS
 - Lead Times
 - Commercial Readiness
 - Duty Cycles
- EVSE & Infrastructure
 - Chargers + Copper
 - Cloud Systems + Data
- Regulatory Requirements
- ESG Commitments
- Fuel & Electricity Costs
- Other On-Site Electrification

Least Understood are Incentives
Most Impactful on TCO



Incentives for Electrification

Federal

- Alternative Fuel Corridor (AFC) Grants
- Advanced Technology Vehicle (ATV) and Alternative Fuel Infrastructure Manufacturing Incentives
- Community Alternative Fuel Infrastructure Grants
- Freight Efficiency and Zero-Emission Vehicle Infrastructure Grants

State

- EnergIIZE
- CORE
- Low Carbon Fuel Standard
- California's National Electric Vehicle Infrastructure (NEVI) Plan
- Electric Vehicle (EV) Rebate Program
- Bus Replacement Grant
- Heavy-Duty Low Emission Vehicle Replacement and Repower Grants
- Voluntary Vehicle Retirement and Replacement Incentives

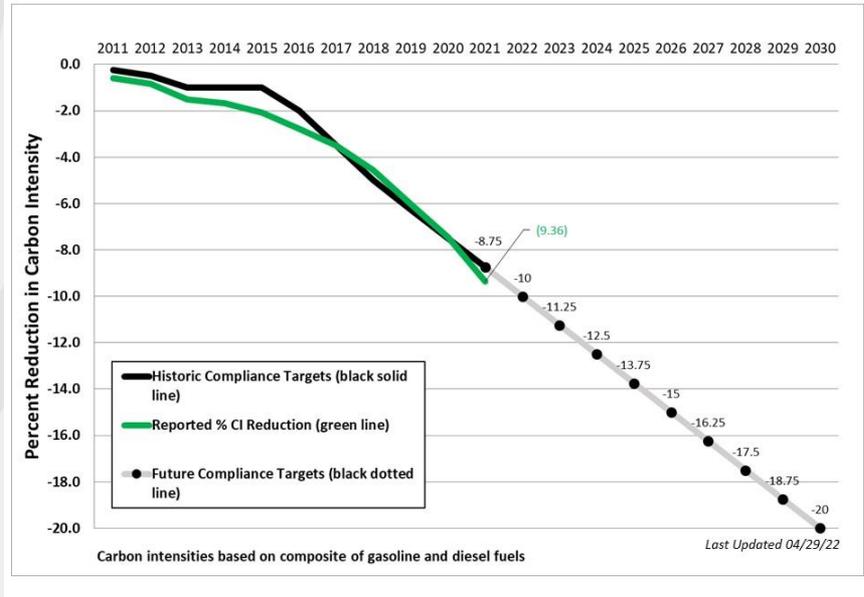
Regional

- Carl Moyer
- PG&E EV Fleet
- SCE Charge Ready Transport
- SDG&E Power Your Drive for Fleets

California Low Carbon Fuel Standard

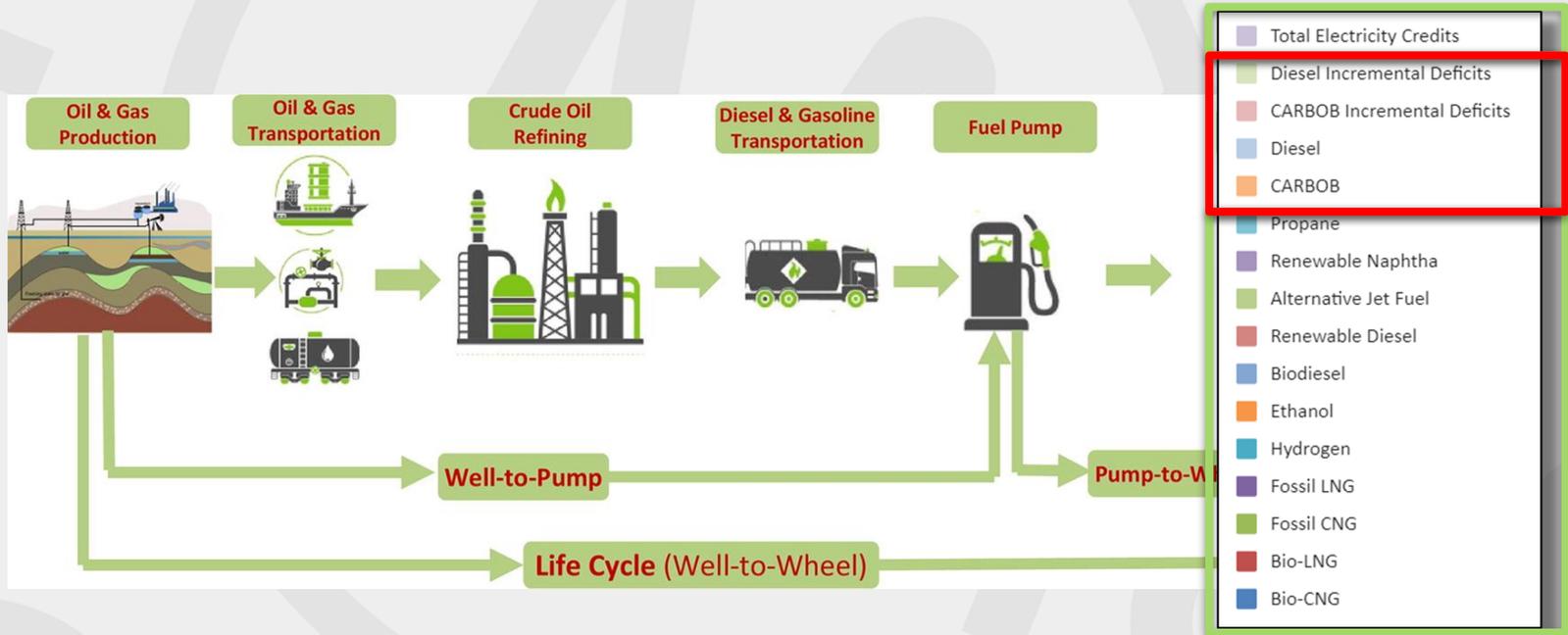
- One of many programs enacted by AB-32, the 2006 Global Warming Solutions Act.
- Administered by the California Air Resources Board, fully implemented by 2011.
- Specifically targets emission reductions in the transportation sector.
- Currently has a target of 20% reduction of Carbon Intensity (CI) by 2030.

2011-2021 Performance of the Low Carbon Fuel Standard



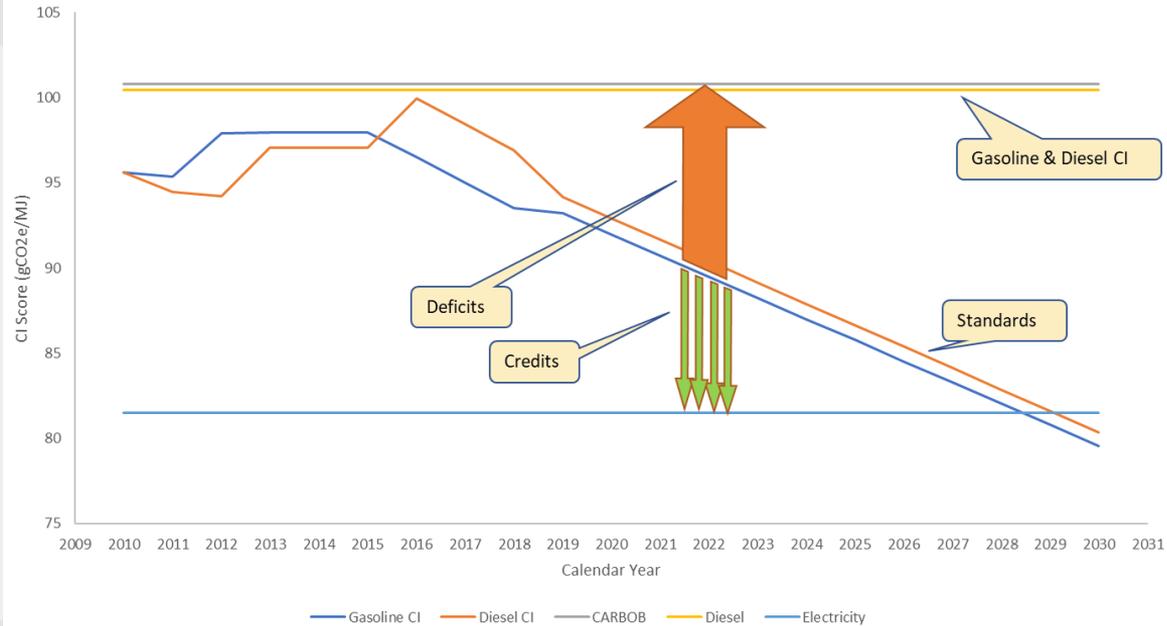
California Low Carbon Fuel Standard

Carbon Intensity



California Low Carbon Fuel Standard

Carbon Intensity



- Total Electricity Credits
- Diesel Incremental Deficits
- CARBOB Incremental Deficits
- Diesel
- CARBOB
- Propane
- Renewable Naphtha
- Alternative Jet Fuel
- Renewable Diesel
- Biodiesel
- Ethanol
- Hydrogen
- Fossil LNG
- Fossil CNG
- Bio-LNG
- Bio-CNG

California Low Carbon Fuel Standard



Eligible Electric Equipment

CARGO HANDLING EQUIPMENT

- Electric RTG's
- Electric Yard Trucks
- Electric Top Handlers
- Electric Railcar Movers
- +More

ON-ROAD BATTERY ELECTRIC

- Electric Buses
- Heavy Duty Vehicles
- Commercial Light Duty Vehicles
- EV Chargers

OTHER OFF-ROAD BATTERY ELECTRIC

- eTRU's
- Drayage Trucks
- eOGV's

California Low Carbon Fuel Standard

Earning Credits & Revenue



States such as California and Oregon create clean fuel programs to reduce greenhouse gas emissions in the transportation sector.



Owners and operators of electric fleets generate credits by charging their equipment and increasing the penetration of electric equipment in their fleet.



Credits are sold to regulated entities that must offset deficits they accrue from the sale and production of high-carbon fuels to be in compliance with regulation.



Owners and operators of electric fleets continually earn revenue from these transactions to reinvest in their electrification efforts.

California Low Carbon Fuel Standard

Fleet Incentive Examples

	Operating: 1 Electric Transit Bus Driven 44,000 miles annually	Avoids: 26.8 Metric Tons of CO ₂	Earns: \$100 per Metric Ton of CO ₂	Generates: \$7,112 in potential LCFS revenue annually
	Operating: 1 Passenger Electric Vehicle (EV) Driven 20,000 miles annually	Avoids: 3.9 Metric Tons of CO ₂	Earns: \$100 per Metric Ton of CO ₂	Generates: \$1,031 in potential LCFS revenue annually
	Operating: 7 Electric Forklifts & 3 Electric Pallet Jacks Using 95,230 kWh annually	Avoids: 40.3 Metric Tons of CO ₂	Earns: \$100 per Metric Ton of CO ₂	Generates: \$8,320 in potential LCFS revenue annually
	Operating: 1 L2 Charging Station Charging 19,342 kWh annually	Avoids: 8.4 Metric Tons of CO ₂	Earns: \$100 per Metric Ton of CO ₂	Generates: \$1,598 in potential LCFS revenue annually
	Operating: 1 Electric Public Work Vehicle Driven 25,000 miles annually	Avoids: 5.8 Metric Tons of CO ₂	Earns: \$100 per Metric Ton of CO ₂	Generates: \$1,524 in potential LCFS revenue annually
	Operating: 1 Electric Utility Trucks Driven 40,000 miles annually	Avoids: 23.7 Metric Tons of CO ₂	Earns: \$100 per Metric Ton of CO ₂	Generates: \$6,277 in potential LCFS revenue annually
<p>All figures are to provide estimates for example purposes and are not meant to be exact. Average LCFS credit value as of July 2022</p>				

California Low Carbon Fuel Standard



How eMC Can Help



Introduction & Incentive Estimates – Our team will review the LCFS program with you, get an understanding of your fleet, and calculate your projected incentive payments based on your fleet data and operations.



Site Walkthrough – If needed or helpful, an e-Mission Control representative will conduct a site walkthrough to verify equipment and operational information.



Onboarding – We will collect all facility and equipment information and complete the administrative registration processes with CARB.



Reporting – Our team will calculate your data, complete all quarterly and annual LCFS reporting requirements, and LCFS will issue credits.



Monetization – Our experienced financial experts will maximize and transact your credits on the LCFS open market. Once per quarter, **we write you a check.**

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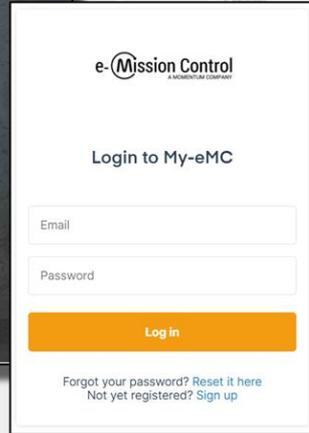
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California Low Carbon Fuel Standard



My-eMC Platform



DATE	REPORTING QUARTER	DESCRIPTOR
OCTOBER 31, 2015	2015 Q4	Other Green Equipment 224 Main Street 400L Portland, OR 97201

TRANSACTION SUMMARY	FCI	Net Incentive	Standard Incentive	Standard Incentive	Other Incentive	Other Incentive	Net Incentive After Other Incentives
MAX MHE Incentive Total	1,000	1,000	1,000	1,000	0	0	1,000
FCI Total	1,000	0	0	0	0	0	1,000
Net Incentive After Other Incentives	1,000	0	0	0	0	0	1,000
Total	1,000	0	0	0	0	0	1,000

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e-Mission Control



Our value proposition

Generate New Revenue

Create significant new income every time you charge your electric material handling equipment (MHE).

Eliminate Administrative Burden

e-Mission Control manages the registration, reporting, credit acquisition, credit sales, and all back-end administration. You simply receive a check quarterly.

Program Transparency

The purpose of the LCFS program is to encourage the use of clean fuel equipment and reduce carbon emissions. Our team will help you truly understand this program and its environmental and financial benefits.

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e-Mission Control Advantage

- e-Mission Control (eMC) Free Credit Estimate
- Zero-Emission Energy Procurement
- My-eMC Portal and Data Sharing
- eMC Partner Success representatives
- Installation of kWh Metering Equipment
- Green Fleet Pioneer Program
- e-Powerment

Questions?

Contact Us

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