

# LCFS Reporting Update

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**Sacramento, CA**

California Environmental Protection Agency  
 **Air Resources Board**

# Overview

- AFP update
- Draft regulatory guidance documents:
  - FAQ for electricity & hydrogen
  - Substitute FPC (Cl) for certain fuel transactions
  - Exemption for fuel used in interstate locomotives
  - Clarification on energy and mass density of natural gas
- Upcoming LCFS Rulemaking Items

# Alternative Fuel Portal (AFP)

## AFP Update

- AFP replaced and updated “AFRS”
- Enhanced Producer Accounts
- Production Facility Registration
- Fuel Transport Mode (FTM)  
Demonstration
- Continuous Improvements

# Alternative Fuel Portal (AFP) (cont'd)

## AFP Update

- Fuel Pathway Evaluation Process
  - Online pathway application submittals
  - New pathway applications
  - Legacy pathway re-certifications
  - Portal stores all pathway documentation
  - Automated email notifications at each step

# Guidance for Electricity & Hydrogen Fuel Providers

- Consists of 4 documents explaining LCFS requirements & credits calculation for:
  - Electric vehicles
  - Hydrogen fuel cell vehicles
  - Transit agencies
  - Fixed guideways

# Substitute FPC (CIs Values)

- Can only be used when FPC is not available for ethanol, biodiesel, and renewable diesel
- Only applicable for the following transaction types in LRT-CBTS :
  - sold without obligation
  - purchased without obligation
  - export
  - loss of inventory
  - not used for transportation

# Proposed Substitute FPCs (cont'd)

| Fuel             | Substitute FPC | CI |
|------------------|----------------|----|
| Ethanol          | ETH0116        | 40 |
| Biodiesel        | BIOD0116       | 15 |
| Renewable Diesel | RNWD0116       | 30 |

# Fuel Export

- PTD must contain a notice that the fuel was reported to LCFS & any export should be reported
- To keep balance of credits (deficits), the exporting party should report the exported volume under “export” transaction type in LRT-CBTS
  - Exporting party will incur deficits
  - When FPC is unknown → use substitute FPC

# Exemption for Fuel used in Interstate Locomotives

- Fuel consumed in interstate locomotives is exempt from the LCFS compliance obligation
- The draft guidance explains how railroads can claim this exemption in the LRT-CBTS

# Energy Density of Natural Gas

- Used to calculate credits/deficits in LRT-CBTS
- Adjusted units from  $\text{ft}^3$  to scf, the value remains the same

| Fuel (units) | Energy Density (units) |                           |                        |
|--------------|------------------------|---------------------------|------------------------|
|              | Old regulation         | New regulation            | Value used in LRT-CBTS |
| CNG (scf)    | 0.98 (MJ/scf)          | 1.04 (MJ/ $\text{ft}^3$ ) | 0.98 (MJ/scf)          |

# Mass Density of Natural Gas

- Used to convert lbs of natural gas to scf
- Old value based on CA-GREET 1.8, the new value based on CA-GREET 2.0

| Fuel (units) | Mass Density (units) |                |                                 |
|--------------|----------------------|----------------|---------------------------------|
|              | Old regulation       | New regulation | Value to be used for conversion |
| CNG (scf)    | 20.4 (g/scf)         | 20.4 (g/scf)   | 20.8 (g/scf)                    |

# Possible Reporting Items for Upcoming LCFS Rulemaking

- Harmonization with other ARB GHG reporting requirements
- Add new reporting requirements to facilitate third party verification
- Hydrogen reporting enhancement (SB1505)

# Contact Information

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