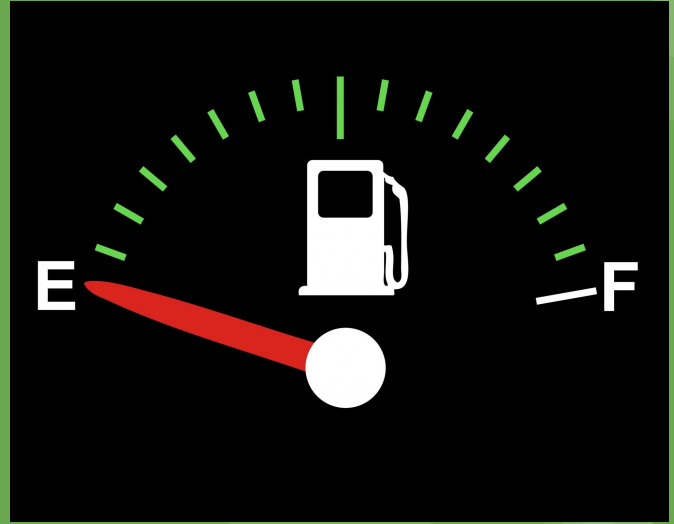


Low Carbon Fuel Standard (LCFS)

Environmental Justice Advisory Committee
Overview + Recap
8/25/2023





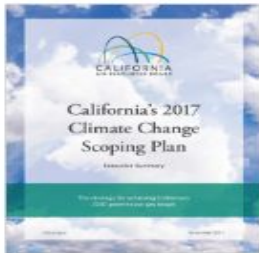
EJAC Role and Goals

*EJAC will seek to ensure that communities most impacted see **improvements**, have **increased resiliency** in the face of mounting climate impacts, and **do not experience an increase in exposure to air pollutants**.*

Goals

- ★ Provide **actionable recommendations** that can be integrated into the fabric of the State's AB 32 climate programs.

History of EJAC Recommendations on the Low Carbon Fuel Standard



2017 Scoping Plan Update
Achieving California's 2030
Greenhouse Gas Target



2013 Scoping Plan Update
Building on the Framework



2008 Scoping Plan
A Framework for Change

7/17 EJAC meeting

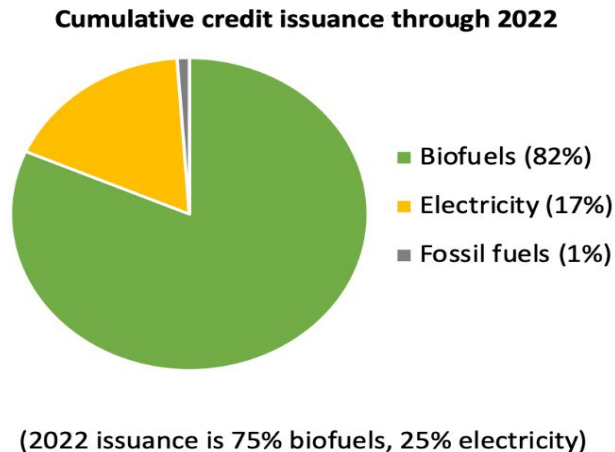
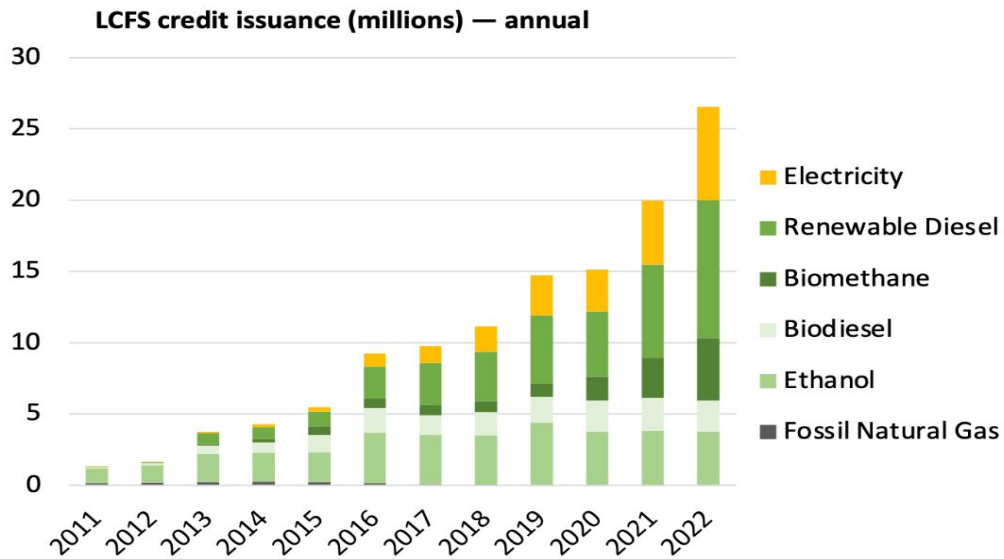


How it started...



How it's going...

LCFS CREDIT ISSUANCE

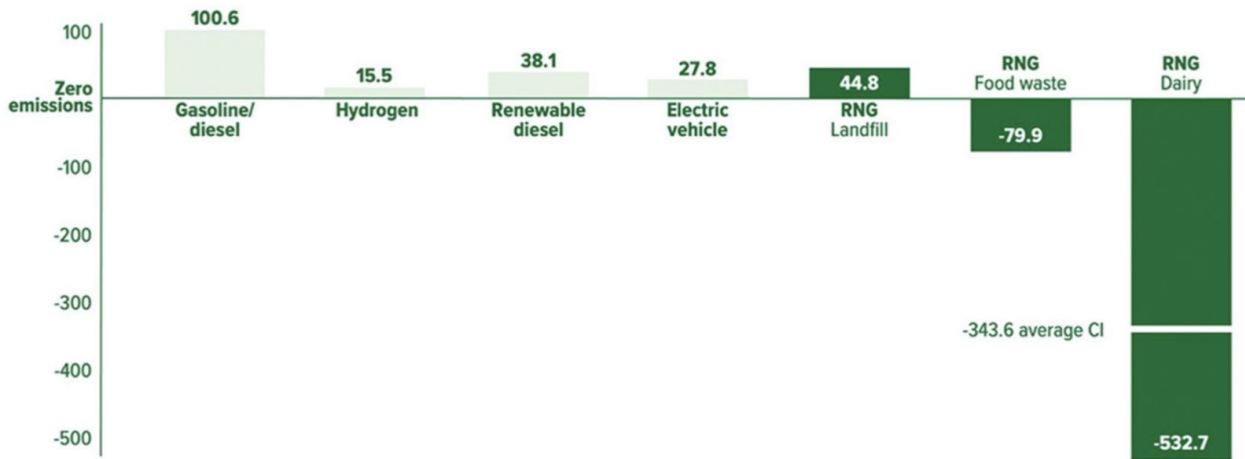


“Unintended Consequences and Missed Opportunities”

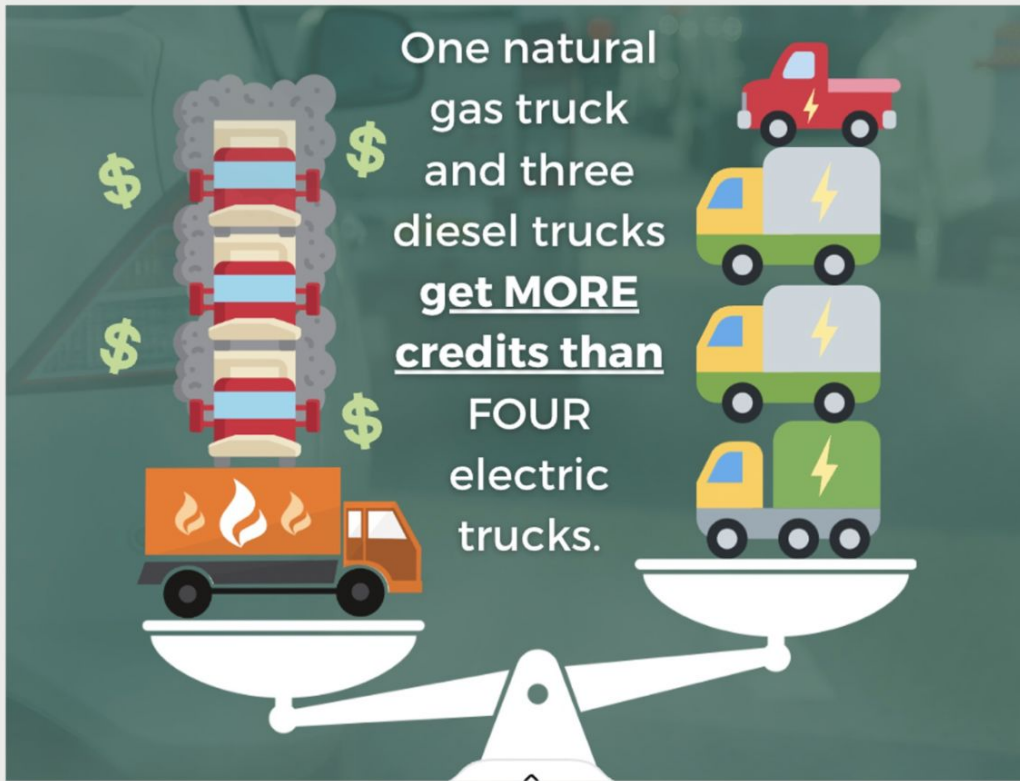
RNG is the lowest carbon alternative fuel



Carbon emission by fuel type (gCO₂e per MJ)



Source: California Air Resources Board, Q4 2021 LCFS data, and certified pathways as of April 19, 2022.



“...natural gas engines are not lower emitting than diesel.”

-Paul Arneja, CARB

(In the Context of the Advanced Clean Fleet Rulemaking)

“Replacing just 25% of a fleet’s diesel trucks with negative carbon intensive RNG from dairy manure can reduce a fleet’s carbon emissions by 100%.”

Greg Roche, VP at Clean Energy Fuels

Conclusions



- Update of assumptions to reflect rapidly changing regulations and EV adoption is critical to LCFS planning.
- Stanford modeling suggests EJ scenario could achieve ARB goals while lowering impacts to EJ communities and potentially improving climate outcome.
- LCFS is a subsidy paid for by California gas purchasers. Need to evaluate internal market dynamics in terms of impacts on low and moderate income households
- We can't improve what we don't measure. Urgent need to better measure methane emissions in agricultural operations for SB 1383 goals.



Today

- Panelists:
 - ◆ Jeanne Merrill, Center for Food Safety
 - ◆ Adam Browning, Forum Mobility
- Questions and Discussion (including Phoebe, Danny, and Michael from 7/17)
- Proposed resolution
- Public comments
- Vote



Proposed Resolution

