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Senate Bill (SB) 1075: CARB Overview

CALIFORNIA AIR RESOURCES BOARD

SEPTEMBER 8, 2023



Hydrogen in CA's Climate Plan



Blending in Pipelines



Focus on Low-carbon Sources, e.g. Biomass or Electrolytic



Aviation Fuel



Capitalizing on Federal Funding for Hydrogen Hubs and Low-CI Hydrogen



Ocean-Going Vessel Fuel



Industrial High Heat Uses



Significant Reduction in Overall GHG Emissions by Replacing Methane End-Uses with Hydrogen



Transportation Fueling



Prioritize non-combustion options

Hydrogen Policy Landscape



Federal funding opportunities expanding

- DOE Regional Clean Hydrogen Hubs Program
- Inflation Reduction Act 45V Hydrogen Production Tax Credit



California pursuing complimentary state actions

- Hydrogen Market Development Strategy
- ARCHES public-private hydrogen hub consortium
- Regulations (i.e LCFS, ACF/ACT) to increase ZEV and hydrogen deployment
- Additional analysis and recommendations under SB 1075



Other regional/local initiatives happening (e.g. Angeles Link, Lancaster Hydrogen City)

Additional Work Ahead

- Alignment of local actions to support state and federal air quality and climate goals and take advantage of State and Federal funding opportunities
- Need for permitting and the building of infrastructure to support climate and air quality goals, including low-carbon hydrogen production facilities
- Need for expansion of low-carbon hydrogen supply and non-combustion uses via funding and regulatory programs and from the private sector
- Need for further policy and technical evaluations under SB 1075 to support deployment, including water and air quality implications of production/use

Legislative Direction: SB 1075 Analysis

- Requires CARB, in consultation with California Energy Commission, the California Public Utilities Commission, and the California Workforce and Development Board to produce a comprehensive report on hydrogen, to be posted on CARB website by June 1, 2024



Legislative Direction: SB 1075 Analysis



Next Steps

- CARB, CEC, CPUC, and GO-Biz staff held a kickoff workshop for SB 1075 September 5, 2023
- A recording of the workshop will be posted shortly, and written comment period will be open until September 19, 2023, both can be accessed at: <https://ww2.arb.ca.gov/our-work/programs/sb-1075-hydrogen/meetings>
- For additional information, visit: <https://ww2.arb.ca.gov/our-work/programs/sb-1075-hydrogen>
- Contact us at: hydrogen@arb.ca.gov