



Incentive Program Advisory Group (IPAG)

California Air Resources Board (CARB)

October 12, 2022

Agenda

- Welcome: Vice Chair Berg; Board members Hurt & Kracov
- Zero Emission Trucks (ZET) time is NOW!
- California Energy Commission (CEC) Presentation: Zero-Emission Vehicle (ZEV) Infrastructure Incentives
- Carl Moyer On-road program update and proposed language changes
- Group Feedback and Discussion
- Next steps

Incentive Program Advisory Group (IPAG)

- CARB Board Member Panel - IPAG Leads
 - Vice Chair Sandra Berg
 - Board Member Davina Hurt – Bay Area Air Quality Management District (BAAQMD)
 - Board Member Gideon Kracov – South Coast Air Quality Management District (SCAQMD)
- Prompted by November 2021 CARB Board Meeting
 - Stakeholders requested Advisory Group with Board Support
 - Board direction to further accelerate ZEV and equity work in Moyer, with a focus on-road vehicles
 - Focus on Equity and Small Fleets - Look at all tools, including Voucher Incentive Program (VIP)

Recap: IPAG Goals

- Build consensus on providing support to electrification of small fleets
 - Taking Moyer policy to next level: ZET transition
 - Identifying high-level Moyer policy revisions with 100% ZET focus
 - Accelerating equitable access to ZET & infrastructure
 - Identifying what changes will produce access results and benchmarks to assure accountability.
- Produce a memo to the CARB Board outlining Advisory Group discussions and key outcomes

Incentives Play a Critical Role



Public Meeting Recaps

- April 20th Public Meeting
 - Importance of Voucher Incentive Program (VIP) for small fleets
 - Lack of User Knowledge of Incentives Interconnectivity
 - Critical Need for Infrastructure Packaging
 - Equitable Access for Financing and outreach opportunities
- June 30th Public Meeting
 - Stronger ZET Adoption for Environmental Justice
 - Vehicle Plus-up: Increased funding amounts for small fleets (10 or less vehicles) in disadvantaged communities & low-income communities
 - Prioritize & reserve VIP funding for small fleets in underserved communities
 - Greater Support for Infrastructure Needs

ZETs Time is NOW!

- Regulatory Landscape
 - Governor's Executive Order N-79-20
 - State Implementation Plan (SIP) Attainment Goals
- ZETs commercially available now
 - Exciting fleet demand for ZETs [as seen in Hybrid and Zero-emission Truck and Bus Voucher Incentive Project (HVIP)]
 - Need is great, underserved communities asking for ZE now
 - Opportunity to focus effort on Equity and Small Fleet early turnover
- Moyer/VIP increased funding incentives for early ZE adoption

California Energy Commission: ZEV Infrastructure Incentives

Jamaica Gentry

Air Pollution Specialist

Fuels and Transportation Division

California Energy Commission

Carl Moyer Incentives

Accelerating Zero Emission Vehicles

CARB Staff Presenting

Moyer On-Road/VIP Benefits

- Recent Moyer On-Road Updates:
 - Increased Cost-Effectiveness thresholds
 - Increased State Funding caps
 - Updated engine model year eligibility
- ZE class 8 trucks are eligible to receive up to \$410K
- On-Road Voucher Incentive Program (VIP)
 - Funding option for smaller fleets (10 vehicles or less)
 - Commitment to Equity to increase access for ZET early adoption
 - Streamlined, Simple, and Speedy



Proposed VIP Changes for Small Fleets

- 2023 Moyer voucher projects exclusively for small fleets transitioning to new or used ZE replacements adding a focus on underserved communities access and support (SB 372)
- Align VIP with Chapter 4 of the Carl Moyer Program Guidelines for On-Road Heavy-Duty Vehicles
 - Updates include expanding model year eligibility, increasing ZE funding opportunities, increasing flexibility on required CA usage, and allowing remote inspection
- ZE Manufacturer Delay flexibility
 - Air Districts have the flexibility to evaluate projects delivered beyond one calendar year with approval from CARB
- Unify VIP application with infrastructure funding opportunities

Proposed VIP Changes for Environmental Justice

- Air Districts demonstrate outreach efforts within underserved communities
 - Including but not limited to, additional time for outreach, educational outreach, and prioritizing efforts prior to solicitation
- Identify and report environmental justice requirements
 - Require Air Districts to identify and report projects in EJ areas including communities with priority populations
 - Ensure that at least 50% of all funded VIP projects occur within an EJ area
- Include a priority lane for underserved Communities with priority populations
 - Prioritize reviewing and approving applications received from a community with a priority population, including having a priority waitlist for the next year

Proposed Infrastructure Changes

- Additional five percent funding available to site-owners of heavy-duty truck parking facilities that provide communal charging opportunities
 - (e.g., truck yards, truck depots, etc.)
- The air district evaluates the co-funded project prior to approval and verify eligibility with CARB
- Competitive bidding requirement defined as minimum of 2 bids
- Criteria provided for project site pre-inspection

What should we continue to consider?

How did you decide to get into a ZEV? How did that work for you?



Tell us about the infrastructure and your experience with fueling/charging and range?

What are some things you have learned about ZEV technology and what has been the biggest change for you?
What has been a surprising benefit?

Incentive Programs Moving Forward...

How should CARB think differently about the suite of incentive programs in light of the wide range of needs?

2022 Next Steps

- Active 45-Day public comment period; ends November 1, 2022
- IPAG lessons learned continue through SB 372 process
 - <https://ww2.arb.ca.gov/our-work/programs/medium-and-heavy-duty-fleet-zero-emission-vehicle-purchasing-support>
- November: Memo to the Board to recap this process, the goals and outcomes and any modifications to the proposed language.

Contact Information

Incentive Program Advisory Group website

<https://ww2.arb.ca.gov/our-work/programs/ipag>

Incentive Program Advisory Group email

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SB 372 Contact

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