



# Air Resources Board



**Matthew Rodriguez**  
Secretary for  
Environmental Protection

**Mary D. Nichols, Chair**  
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**Edmund G. Brown Jr.**  
Governor

DATE: October 11, 2016

Mail-Out # MSC 16-09

TO: All Interested Parties

SUBJECT: PUBLIC WORKSHOP TO DISCUSS A STRATEGY TO EXPAND  
ADVANCED CLEAN TECHNOLOGIES IN LAST-MILE DELIVERY AND  
LOCAL TRUCKS AND AERODYNAMIC TECHNOLOGIES USED IN  
REGIONAL VOCATIONAL TRUCKS AND DATA COLLECTION  
EFFORTS TO SUPPORT THIS AND OTHER FREIGHT-RELATED  
STRATEGIES

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The Air Resources Board (ARB) invites you to participate in a public workshop on November 1, 2016, to begin the discussion on strategies to accelerate the market for advanced clean technologies primarily in local truck and last mile delivery applications, aerodynamic technologies primarily in regional vocational trucks and supporting data collection efforts. These strategies support ARB's effort to protect public health for the millions of Californians that still breathe unhealthy air, reduce exposure to air toxics in disadvantaged communities, and to meet California's greenhouse gas emission (GHG) reduction targets as part of the global action needed to slow global warming and achieve climate stabilization.

The overall goal of this effort is to complement existing programs to achieve NO<sub>x</sub> and GHG emission reductions through the use of advanced clean technology and to increase the penetration of the first wave of zero emission heavy-duty technology into applications that are well suited to its use. Through this process, ARB staff is seeking to work in partnership with fleet owners, manufacturers and other interested stakeholders to identify the most effective strategy to influence the deployment of advanced technologies such as low-NO<sub>x</sub> engines and zero emission trucks, primarily for class 3-7 last mile delivery and local truck uses in California. This process would include seeking feedback on how best to deploy advanced technologies, specifically through a fleet purchase or a manufacturer-based concept.

Local trucks are best-suited for introducing zero emission technology because they operate in urban centers, have stop and go driving cycles, and are centrally maintained and fueled. Experience gained from demonstrating the viability of advanced technologies in these fleets will benefit the heavy duty vehicle market and enable the

*The energy challenge facing California is real. Every Californian needs to take immediate action to reduce energy consumption. For a list of simple ways you can reduce demand and cut your energy costs, see our website: <http://www.arb.ca.gov>.*

California Environmental Protection Agency

same technologies to be used in other truck applications. This effort is part of a broader strategy to increase clean, affordable transportation options such as advanced clean vehicle technologies, other innovative methods to improve goods movement, and efficiency of transportation systems in California.

In addition, staff will discuss a potential survey study to determine the demographics and activity of Class 4-6 vocational vehicles in California. Aerodynamic devices have been shown to improve fuel economy and emissions for heavy-duty vehicles. In general, aerodynamic devices yield an emissions benefit for vehicles that drive a high fraction of miles at high speed. Staff is considering future measures to require the use of aerodynamic devices on vocational vehicles (Class 4-6) that spend a significant amount of time at high speed. Staff is looking for fleet participation in this survey effort.

ARB staff will also discuss an upcoming freight facility survey designed to gather specific facility and equipment information from California based freight hubs. Freight hubs include seaports, airports, rail yards, warehouse and distribution centers, truck stops, and border crossings. The data from this survey along with the aforementioned Class 4-6 survey study will be used to support efforts to increase efficiency, reduce emissions, and further reduce health risks by supporting the expansion of the market for advanced clean technologies used in last-mile delivery and local trucks and aerodynamic technologies used in regional vocational trucks, and supporting the development of Sustainable Freight Action Plan (SFAP) emission reduction strategies.

The workshop will be held at the following locations and times:

Workshop Date and Time	Workshop Location
Tuesday, November 1, 2016 10:00 a.m. to 3:00 p.m.	Cal/EPA Headquarters Sierra Hearing Room 1001 I Street, Sacramento, California 95814 Webcast: <a href="https://video.calepa.ca.gov/">https://video.calepa.ca.gov/</a>

We welcome your participation in this effort and encourage you to attend in person; however, the workshop will be webcast for those who need to participate remotely. Information on submitting questions or comments will be provided during the webcast for remote participants. Staff's presentation and related materials will be posted in advance of the workshop on ARB's Advanced Clean Truck website at [www.arb.ca.gov/msprog/actruck/actruck.htm](http://www.arb.ca.gov/msprog/actruck/actruck.htm) and at ARB's Sustainable Freight Data Collection website at <http://www.arb.ca.gov/gmp/sfti/sfdatacollect.htm>.

## Background

Achieving California's long-term air quality, climate, and public health goals will require a transition from the conventional combustion technologies to zero emission everywhere feasible and near-zero emission powered by clean, low-carbon renewable fuels everywhere else. Promoting the development and use of advanced clean trucks will help ARB achieve its emission reduction strategies as outlined in the State Implementation Plan, SFAP, Senate Bill (SB) 350, and Assembly Bill (AB) 32.

If you did not receive this notice directly, and would like to receive notices to stay informed of future progress, including the release of proposed strategies and future meeting notifications, please sign up for the Advanced Clean Truck list-serve at: [https://www.arb.ca.gov/listserv/listserv\\_ind.php?listname=actruck](https://www.arb.ca.gov/listserv/listserv_ind.php?listname=actruck) or the Sustainable Freight Transport Initiative list-serve at: [http://www.arb.ca.gov/listserv/listserv\\_ind.php?listname=sfti](http://www.arb.ca.gov/listserv/listserv_ind.php?listname=sfti)

## Contact

For questions regarding the public workshop, please contact Mr. Paul Arneja, Air Resources Engineer, at (916) 322-5616 or by email at [paul.arneja@arb.ca.gov](mailto:paul.arneja@arb.ca.gov) or Mr. Craig Duehring, Manager, at (916) 323-2361 or by email at [craig.duehring@arb.ca.gov](mailto:craig.duehring@arb.ca.gov). If you have questions regarding the vocational Class 4-6 survey study, please contact Mr. Inder Atwal, Air Pollution Specialist, at (916) 445-0281 or by email at [inder.atwal@arb.ca.gov](mailto:inder.atwal@arb.ca.gov) or Ms. Renee Littaua, Manager, at (916) 324-6429 or by email at [rlittaua@arb.ca.gov](mailto:rlittaua@arb.ca.gov).

## Special Accommodations

If you require a special accommodation, or need this document in an alternate format (i.e., Braille, large print), please visit <http://www.arb.ca.gov/html/ada/ada.htm> for assistance or contact the Americans with Disabilities Act Coordinator by telephone at (916) 323-4916 no later than ten business days before the scheduled meeting. If you are a person who needs assistance in a language other than English, please visit [www.arb.ca.gov/eo/bilingual-services.htm](http://www.arb.ca.gov/eo/bilingual-services.htm) or contact the Bilingual Coordinator by telephone at (916) 322-0473 no later than ten business days before the scheduled meeting. TTY/TDD/Speech to Speech users may dial 711 for the California Relay Service.

Consecuente con la sección 7296.2 del Código de Gobierno de California, una acomodación especial o necesidades lingüísticas pueden ser suministradas para cualquiera de los siguientes:

- Un intérprete que esté disponible en la audiencia.
- Documentos disponibles en un formato alternativo u otro idioma.
- Una acomodación razonable relacionados con una incapacidad.

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Para solicitar estas comodidades especiales o necesidades de otro idioma, por favor llame a la oficina del Consejo al (916) 324-0342 o envíe un fax (916) 327-8524 lo más pronto posible, pero no menos de 10 días de trabajo antes del día programado para la audiencia del Consejo. TTY/TDD/Personas que necesiten este servicio pueden marcar el 711 para el Servicio de Retransmisión de Mensajes de California.

Sincerely,

/s/

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