

December 23, 2019

Mail-Out #MSC 19-23

To: All Interested Parties

Subject: PUBLIC WORKSHOP TO DISCUSS CALIFORNIA'S COMPREHENSIVE  
HEAVY-DUTY VEHICLE INSPECTION AND MAINTENANCE PROGRAM

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The California Air Resources Board (CARB) staff invites you to participate in a public workshop on Wednesday, January 29, 2020, to discuss draft concepts for California's future comprehensive heavy-duty vehicle inspection and maintenance (HD I/M) program, as well as pilot program activities to help inform its development. [Senate Bill \(SB\) 210](#) (Leyva; Chapter 298, Statutes of 2019) directs CARB to develop and implement a HD I/M program in consultation with sister State agencies. The comprehensive HD I/M program, if adopted, would help ensure that applicable heavy-duty vehicles operating in California have properly functioning emissions control systems and that emissions-related malfunctions are repaired in a timely manner.

Based on the HD I/M program framework prescribed in SB 210, staff will present draft concepts for the HD I/M program design, including:

- Periodic inspection requirements for vehicles equipped with on-board diagnostic (OBD) systems and for non-OBD-equipped vehicles;
- Potential inspection options for OBD-equipped vehicles and non-OBD-equipped vehicles;
- On-road emissions monitoring (remote monitoring) to identify potential high-emitting vehicles and to validate program effectiveness; and
- Automated license plate recognition (ALPR) cameras to identify non-compliant vehicles.

Staff is interested in stakeholder feedback and will solicit public input at the workshop, as well as suggestions for other potential HD I/M program design concepts.

SB 210 requires CARB to implement pilot program activities that develop and demonstrate technologies that show potential for readily bringing vehicles into the program. Staff will discuss its current and future planned pilot program activities and is seeking ideas from stakeholders for additional pilot activities to help inform HD I/M program development.

The workshop will be held at the following time and location:

Date: Wednesday, January 29, 2020  
Time: 9:30 a.m. to 12:30 p.m. (PST)  
Place: Cal/EPA Headquarters Building  
Coastal Hearing Room, 2<sup>nd</sup> Floor  
1001 "I" Street  
Sacramento, California 95814

The workshop will be webcast for those unable to attend in person. The broadcast can be accessed on the day of the workshop at: <https://video.calepa.ca.gov/>. For remote participants, we will provide information on submitting questions and comments via email during the webcast.

Staff's presentation and any additional workshop-related documents will be available before the workshop on CARB's website at: <https://ww2.arb.ca.gov/our-work/programs/heavy-duty-inspection-and-maintenance-program>.

## Background

In California, heavy-duty diesel vehicles with a gross vehicle weight rating (GVWR) over 14,000 pounds represent one of the largest sources of mobile air pollution in California. Even with modern emissions controls and OBD monitoring systems, these vehicles contribute approximately 58 percent of the statewide on-road mobile source oxides of nitrogen (NOx) emissions and about 82 percent of the statewide on-road mobile source particulate matter (PM 2.5) emissions.<sup>1</sup> Some of these emissions are attributed to broken or failing emissions-related equipment. Currently, there is no smog check-type program to ensure non-gasoline<sup>2</sup> heavy-duty vehicles' emissions control systems are functioning properly and repaired in a timely manner. In recognition of this, Governor Newsom signed SB 210,<sup>3</sup> which directs CARB to develop and implement a HD I/M program in consultation with sister State agencies.

CARB's existing heavy-duty vehicle inspection programs rely on random field inspections by CARB staff and annual self-inspections by truck owners to test for smoke opacity levels. However, these programs have limited ability to ensure that vehicle owners are regularly inspecting and repairing their vehicles' broken emissions controls. A well-designed HD I/M program that creates minimal operational disruption for owners could help ensure that vehicles' emissions control systems are operating as designed to

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(1) CARB's on-road motor vehicle emissions inventory model, EMFAC2017, for calendar year 2019. EMFAC 2107.

(2) BAR's Smog Check Program includes gasoline heavy-duty vehicles with gross vehicle weight ratings over 14,000 pounds.

(3) The full text of SB 210 is available from the California Legislative Information website at: <http://leginfo.legislature.ca.gov>

meet California's public health protection goals, while at the same time, minimizing operational downtime for the end user.

On February 11, 2019, CARB staff conducted its first public workshop to solicit stakeholder ideas for potential strategies, including a HD I/M program, to reduce in-use emissions from heavy-duty vehicles operating in California. Staff has also convened a HD I/M workgroup, an ongoing forum for truck and fleet owners, trucking industry representatives, non-governmental organization representatives, and other interested and knowledgeable stakeholders to identify, discuss, and evaluate key technical and programmatic components of a comprehensive HD I/M program within the parameters set forth in SB 210. The HD I/M workgroup has met three times in 2019 (May 14, July 16, and November 8) and is expected to continue meeting periodically throughout development of the HD I/M program. All information and presentations from the February 2019 public workshop and the HD I/M workgroup meetings are available from CARB's website at: <https://ww2.arb.ca.gov/our-work/programs/inspection-and-maintenance-program/heavy-duty-inspection-and-maintenance-program>.

## Contact

We welcome and encourage public participation in CARB's efforts to develop a comprehensive HD I/M program. If you have questions regarding the workshop, please contact Krista Fregoso, Air Pollution Specialist, in the Mobile Source Control Division at (916) 445-5035 or by email at [Krista.Fregoso@arb.ca.gov](mailto:Krista.Fregoso@arb.ca.gov), or James Goldstene, Vehicle Program Specialist, in the Enforcement Division at (916) 229-0637 or by email at [James.Goldstene@arb.ca.gov](mailto:James.Goldstene@arb.ca.gov).

## Special Accommodation

Consistent with California Government Code Section 7296.2, special accommodation or language needs may be provided for any of the following:

- An interpreter to be available at the meeting;
- Documents made available in an alternate format or another language; and
- A disability-related reasonable accommodation.

To request these special accommodations or language needs, please contact Krista Fregoso at (916) 445-5035 or at [Krista.Fregoso@arb.ca.gov](mailto:Krista.Fregoso@arb.ca.gov) as soon as possible, but no later than 15 business days before the scheduled workshop. 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; y
- Una acomodación razonable relacionados con una incapacidad.

Para solicitar estas comodidades especiales o necesidades de otro idioma, favor de contactar a Isabel Guerra (916-323-4068) lo más pronto posible, pero no menos de 15 días de trabajo antes de la junta programada. TTY/TDD/Personas que necesiten este servicio pueden marcar el 711 para el Servicio de Retransmisión de Mensajes de California.

Sincerely,

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Jack Kitowski, Chief  
Mobile Source Control Division

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Todd P. Sax, D.Env.  
Chief, Enforcement Division

cc: Krista Fregoso  
Air Pollution Specialist  
Mobile Source Control Division

Isabel Guerra  
Air Resources Technician  
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