



Department of
Environmental
Conservation

Stakeholder Outreach

6 NYCRR Part 218 Aftermarket Catalytic Converter Standards – Prohibition of Federal Aftermarket Catalytic Converters Effective January 1, 2023

December 14, 2022

Edits following presentation are shown in red

Acronyms

- ACC – Advanced Clean Cars
- AMCC – Aftermarket Catalytic Converter
- CA – California
- CARB – California Air Resources Board
- DEC – New York State Department of Environmental Conservation
- EO # – CARB Executive Order Number
- EPA – U.S. Environmental Protection Agency
- GVWR – Gross Vehicle Weight Rating
- HDV – Heavy-Duty Vehicle
- lb. – Pound
- LDT – Light Duty Truck
- LEV – Low Emission Vehicle
- MDV – Medium Duty Vehicle
- NAAQS – National Ambient Air Quality Standards
- NLEV – National Low Emission Vehicle
- NO_x – Oxides of Nitrogen
- NY – New York
- NYMA – New York Metropolitan Area
- OEM – Original Equipment Manufacturer
- SIP – State Implementation Plan
- SULEV – Super Ultra Low Emission Vehicle
- ULEV – Ultra Low Emission Vehicle
- VECI – Vehicle Emissions Certification Information
- VIN – Vehicle Identification Number



Agenda

- Background
- NY Aftermarket Catalytic Converter Requirements
- Identifying Compliant Catalytic Converters In NY
- Q/A Period

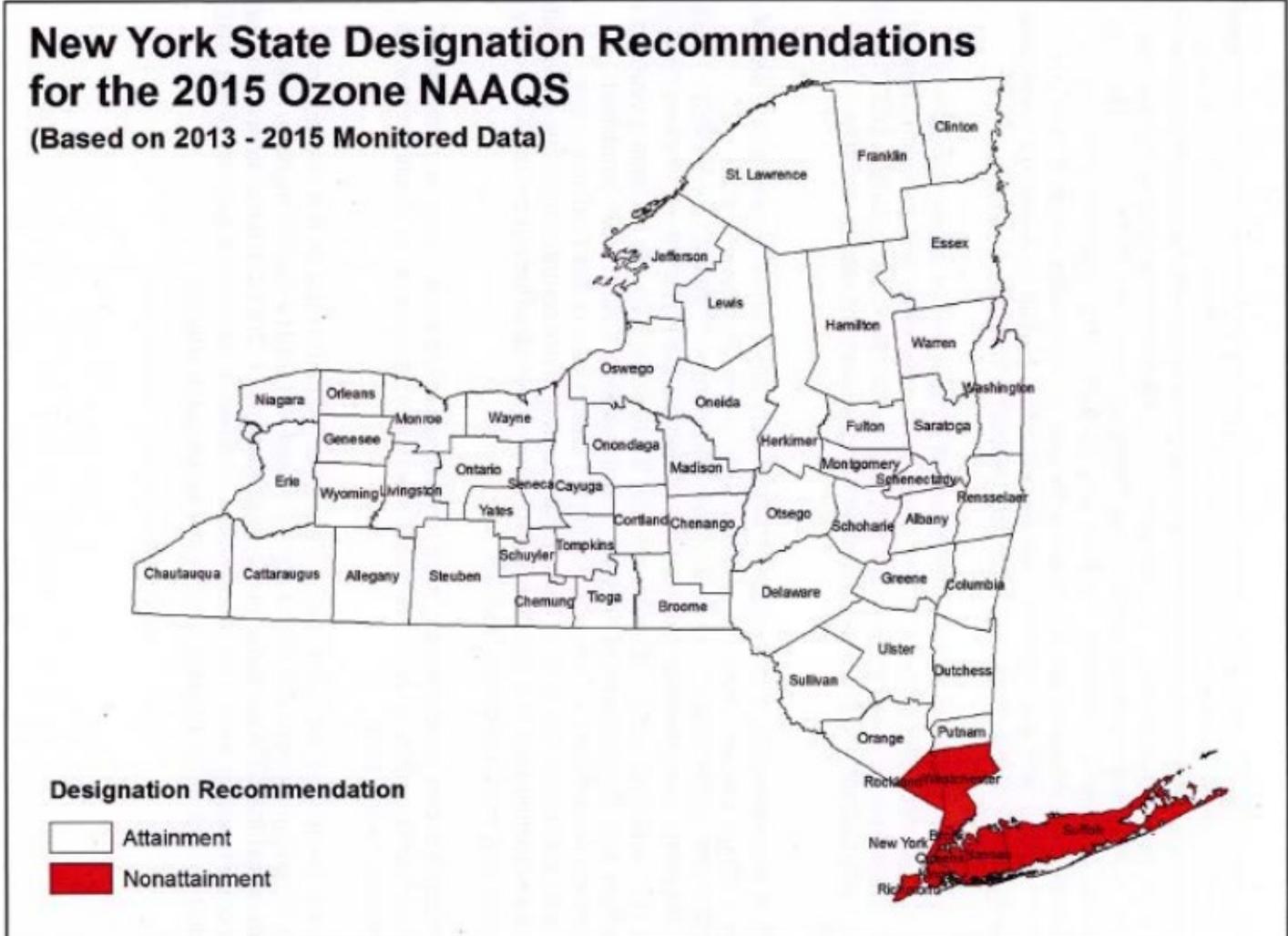
Background

- Section 177 of Clean Air Act.
- NY adopted CA mobile source program 1990, revised periodically
- Adopted CA AMCC standards as part of ACC I rulemaking 2012
 - Delayed effective date until 6/1/13
 - Enforcement discretion until 1/1/14
- Revised AMCC standards 2020
 - Prohibition of all federal AMCC effective 1/1/23

Air Quality Issues

- Ozone NAAQS
 - NO_x contribute to ground-level ozone;
 - SIP commitments
 - NYMA currently designated “serious” non-attainment
 - EPA proposing to reclassify NYMA as “severe” non-attainment

Ozone NAAQS Attainment Status



Enforcement Issues

- Number of non-compliant federal AMCCs sold significantly higher than expected given composition of NY fleet (estimated 60% of AMCC sales)
- Can't always verify vehicle's emissions certification even when contacting OEM
- Misunderstanding or misinterpretation of previous regulation
- Installation & warranty records not always kept, accessible
- Failure to provide timely response to DEC information requests
- Out of state & online retailers
- Cross-border sales
- Visual inspection

Adopted Revisions

- Full prohibition of federal AMCCs
 - Effective 1/1/23
- Clarification of installation requirements
- Clarification of installer recordkeeping requirements
- Clarification of retailer, distributor, and manufacturer recordkeeping and reporting requirements
- Provisions effective March 2020

Federal AMCC Prohibition

- Effective 1/1/23 no federal AMCC may be offered for sale, sold, or installed in NY on **ANY** light or medium duty gasoline fueled on-road vehicle
 - Applies to all model years (Upon review of 218-7.2(c)(1), there are no exceptions for pre-1993 model years.)
- Applies to all light & medium duty gasoline vehicles regardless of which state they are registered
- All replacement converters must be CARB or OEM unless DEC grants a waiver
- Offering for sale, selling, or installing within NY will be a violation
 - May ship through NY without violation
 - May warehouse in NY without violation

Installer Recordkeeping Requirements

- Records kept **onsite** at installation location in electronic or hard copy
- Retain pertinent records for minimum of 4 years from date of installation
- Pertinent records include, but not limited to, warranty card, customer invoice, parts invoice, picture of VECI label, VIN, engine family number
- Produced upon request from DEC representative



Retailer, Distributor, Manufacturer Recordkeeping & Reporting Requirements

- Must retain pertinent records (invoice, warranty cards, etc.)
- Produce upon request from DEC
- AMCC manufacturers must submit semi-annual warranty reports to DEC
- Cross-marketing agreements – copy of agreement(s) must be provided to DEC

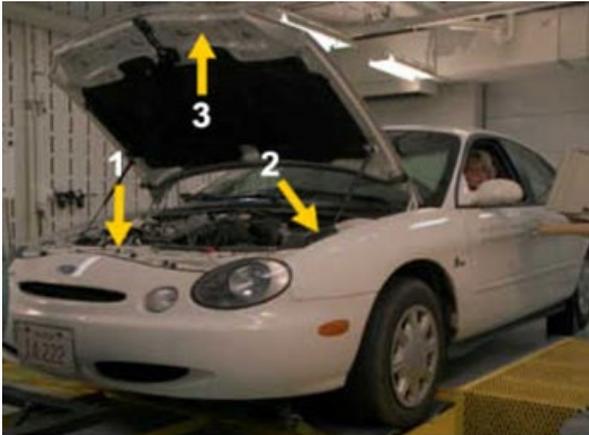
Installation Requirements

- Must ensure the vehicle is beyond OEM warranty & legitimate need for catalytic converter replacement is established & documented
- Verify the AMCC being installed is CARB certified & approved for use on vehicle in question
 - CARB AMCC database <https://ssl.arb.ca.gov/AftermarketParts/catalysts>
 - NY State specific application guides from AMCC manufacturer websites (there could be additional AMCCs listed compared to the CARB database)
- The location, position, and number of catalytic converters & oxygen sensors remains unaltered
- Contact DEC if no compliant CA or OEM replacements available
 - Phone – (518) 402-8292
 - Email – air.regs@dec.ny.gov

Installation Issues

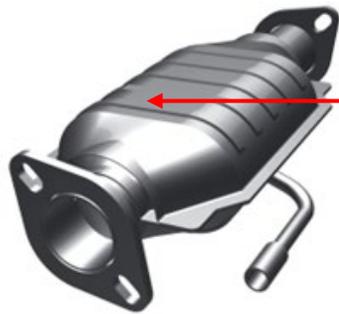
- Verify engine family/test group number on Vehicle Emission Certification Information (VECI) label
 - Engine family/test group number on VECI label must match number on CARB AMCC EO
- If VECI label is missing contact OEM dealer or DEC
- Universal fit AMCCs are legal
- DEC will work with installer & vehicle owner to determine suitable AMCC rather than scrap vehicle
- Fill out warranty cards. If card is missing, contact AMCC manufacturer for replacement
- Honor the warranty. All AMCCs, including federal, are covered by warranty
- Don't wait until last minute to contact DEC to locate replacement AMCC. May take several days in some cases to locate suitable replacement AMCC

Vehicle Emissions Certification Information (VECI) Label



VEHICLE EMISSION CONTROL INFORMATION		
ENGINE FAMILY	EFN 2.8VBT2EA	OBD II
DISPLACEMENT	2.8 L	CERTIFIED
THIS VEHICLE CONFORMS TO U.S. EPA AND STATE OF CALIFORNIA REGULATIONS APPLICABLE TO 2008 MODEL YEAR NEW LEV PASSENGER CARS		
REFER TO SERVICE MANUAL FOR ADDITIONAL INFORMATION TUNE UP CONDITIONS: NORMAL OPERATING ENGINE TEMPERATURE, ACCESSORIES OFF, COOLING FAN OFF, TRANSMISSION IN NEUTRAL		
EXHAUST EMISSIONS STANDARDS	STANDARD CATEGORY	
CERTIFICATION	TLEV	
IN USE	TLEV INTERMEDIATE	
SPARK PLUG Type NGK BFRES-1P GAP 1.1 mm	CATALYST	EFN 2.8V8T2EA

CARB Executive Order Number (EO #)



Catalytic Converter Replacement Process

- OEM converter is only legal replacement option for vehicles within vehicle's original emissions warranty coverage period
- CARB AMCC whenever possible for all CARB and federal vehicles beyond warranty coverage period
 - CARB AMCC database <https://ssl.arb.ca.gov/AftermarketParts/catalysts>
 - NY State specific application guide on AMCC catalytic converter manufacturer websites (there could be additional AMCCs listed compared to the CARB database)
- NY will not exempt vehicle for 2 years like CA
- Federal AMCC will be utilized as last resort if suitable CARB AMCC not available
- Will not require vehicle be scrapped

NY Specific Application Catalog

(located on aftermarket catalytic converter manufacturer websites)

- AMCC manufacturer catalog for CARB & EPA certified vehicles not covered by CARB AMCC with valid E.O.
- Identify CARB emission tier from valid E.O. with equivalent or more stringent emission limits to subject vehicle without E.O.
- Match vehicle weight class
- Match converter configuration
 - Location & number of converters
 - Inlet & outlet diameter
 - Number & position of oxygen sensors



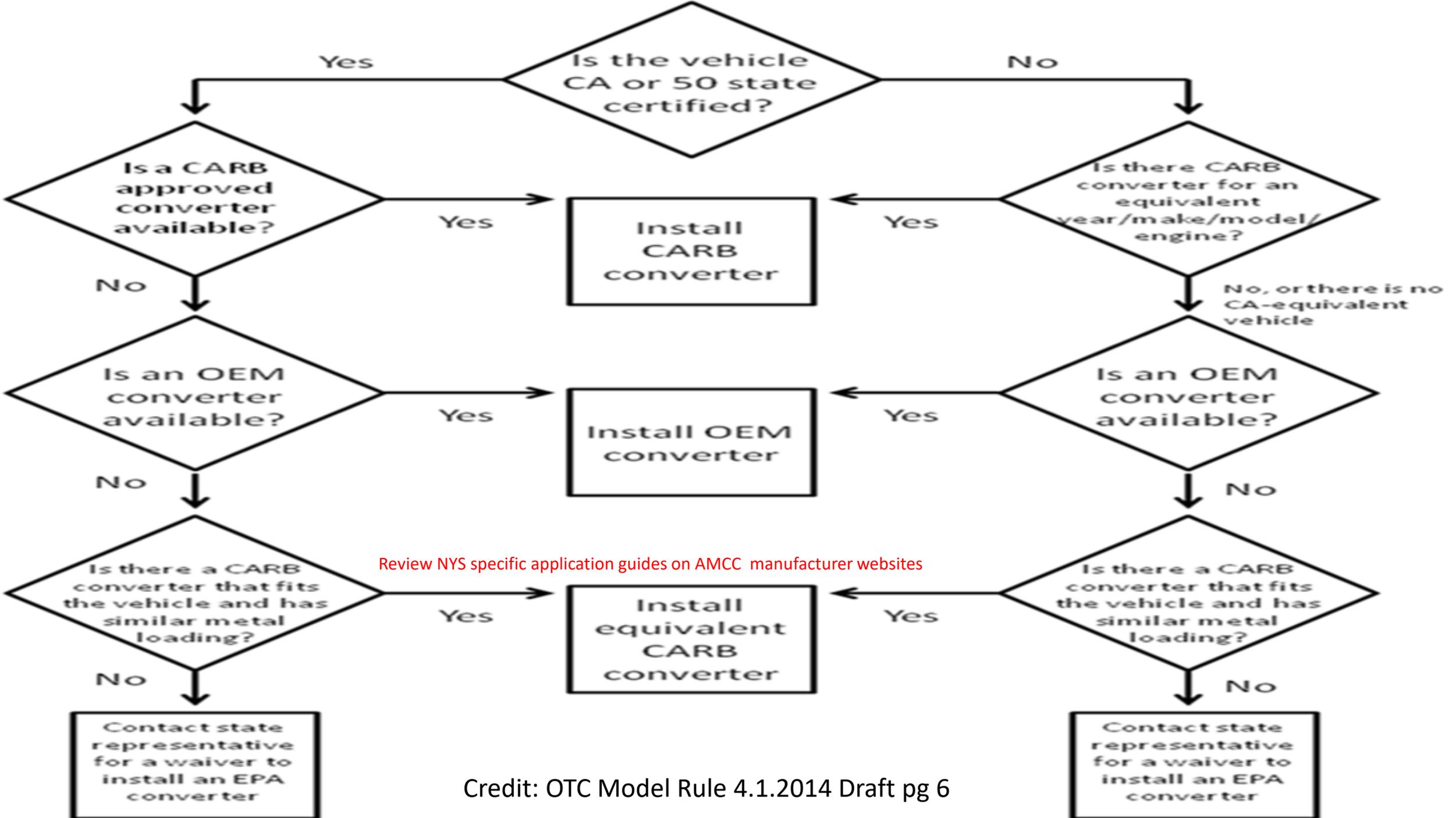
Emission Tiers

Federal Emission Standard	CARB Emission Standard
Tier 0	Tier 1
Tier 1	Tier 1
NLEV	LEV 1 LEV
Tier 2 Bin 2	LEV 2 SULEV
Tier 2 Bin 3	LEV 2 ULEV
Tier 2 Bin 4	LEV 2 ULEV
Tier 2 Bin 5	LEV 2 LEV
Tier 2 Bin 6	LEV 2 LEV
Tier 2 Bin 7	LEV 2 LEV
Tier 2 Bin 8	LEV 2 LEV or LEV 1 ULEV
Tier 2 Bin 9	LEV 1 LEV
Tier 2 Bin 10	LEV 1 LEV
Tier 2 Bin 11	LEV 1 LEV
HDV, HDV1, HDV2	LEV 2 LEV

CARB Vehicle Weight Class

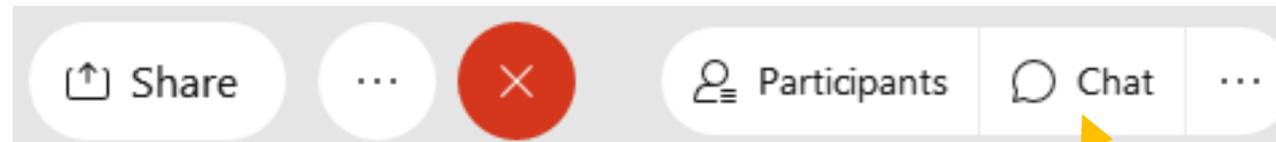
- Passenger cars
 - All weights
- Light Duty Trucks
 - LDT1 = 0-6,000 lb. GVWR; test weight 0-3,750 lb.
 - LDT2 = 0-6,000 lb. GVWR; test weight 3,751-5,750 lb.
 - LDT3 = 6,001-8,500 lb. GVWR; test weight 3,751-5,750 lb.
 - LDT4 = 6,001-8,500 lb. GVWR; test weight 5,751-8,500 lb.
- Medium Duty Trucks
 - MDV2 = 6,000-14,000 lb. GVWR; test weight 3,751-5,750 lb.
 - MDV3 = 6,000-14,000 lb. GVWR; test weight 5,751-8,500 lb.
 - MDV4 = 6,000-14,000 lb. GVWR; test weight 8,501-10,000 lb.
 - MDV5 = 6,000-14,000 lb. GVWR; test weight 10,001-14,000 lb.





Question and Answer

- Send questions/comments in the Chat box



Click to open
Chat box

DEC Panelists

- Jeff Marshall, NYS DEC
- Lawrence D'Arco, NYS DEC
- James Clyne, NYS DEC

Thank You

To get more information and updates, go to the DEC Website:

<https://www.dec.ny.gov/chemical/8394.html#Catalytic>

https://www.dec.ny.gov/docs/air_pdf/amccguide.pdf

Contact us using the DEC email:

air.regs@dec.ny.gov