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
• NOx – 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
  - $\text{NO}_x$ 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
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

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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.
Review NYS specific application guides on AMCC manufacturer websites
Question and Answer

• Send questions/comments in the 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.regas@dec.ny.gov