Congestion Mitigation and Air Quality Improvement (CMAQ) Program

Funding Opportunities Webinar

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Agenda

- CMAQ Overview
- Funding Opportunities
  - CMAQ General Call
  - Cleaner Diesel Technologies Grant Program
- Eligibility
- Example Project Categories
- How To Apply
- Questions

What is CMAQ?

- Dedicated federal funding for projects that improve air quality and reduce congestion.
- Three main requirements for all CMAQ projects
  - Must be a transportation project
  - Must reduce emissions (PM 2.5, NOx or VOCs) from mobile sources (cars, trucks, buses etc.)
  - Must benefit air quality in air quality nonattainment and maintenance areas

Funding Opportunities Available

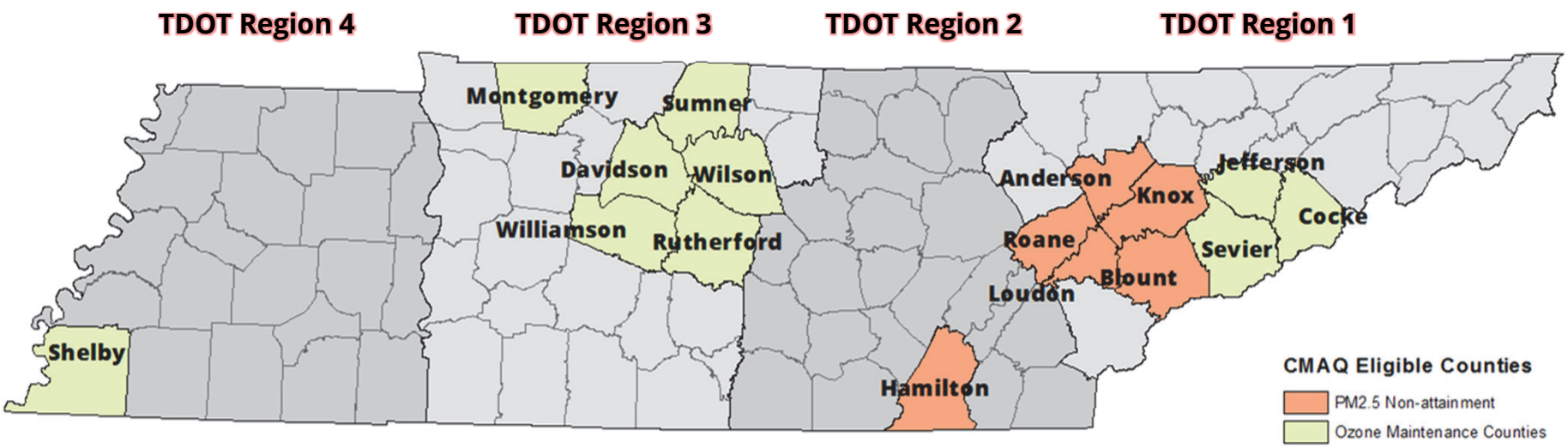
General Call for Proposals

- Includes Strategic Initiatives

Cleaner Diesel Technologies Grants

Eligibility

- PM2.5 Nonattainment/Maintenance Areas
- Ozone Maintenance Areas



CMAQ General Call

- May fund projects in all nonattainment and maintenance counties
- Must reduce mobile source emissions in CMAQ-eligible counties
- Grant competition open to both public and private entities (private companies require a public sponsor)

Example Project Types

- **Alternative Fuel Projects**
- **Transit Service and Cleaner Transit Buses**
- **Park and Ride / Ridesharing Programs**
- **Bicycle and Pedestrian Facilities**
- **Intelligent Transportation Systems**
- **Intermodal Freight Transportation**
- **Transportation Demand Management**
- **Traffic Flow Improvements**

Project Applications

- **2016 Call for Proposals – Opens January 2016 *(tentative*)**
- **Proposal Deadline in March 2016**
- Application materials will be posted to http://www.tn.gov/tdot/article/cmaq.
- Contact TDOT.CMAQ@tn.gov for more information.

Cleaner Diesel Technologies PM 2.5 Set-Aside Funding

- CMAQ funding earmarked to reduce emissions from diesel engines (established by MAP-21)
- Limited to PM 2.5 nonattainment/maintenance areas
- Grant funds to help public and private vehicle/equipment owners purchase
  1. Cleaner diesel technologies
  2. New engines or new advanced technologies

Benefits for Fleet Owners

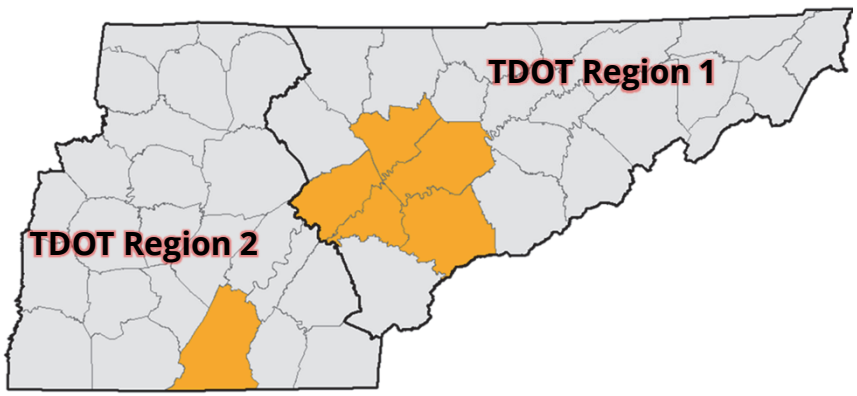
- Reduce harmful diesel emissions
- Reduce worker exposure to dangerous diesel exhaust
- May increase useful life of trucks or equipment (engine replacements)
- May reduce fuel use

Cleaner Diesel Technologies – PM 2.5

Eligible Project Categories

Add-On Equipment, New Engines or Vehicles

- Onroad Heavy-Duty Diesel Vehicles
- Nonroad Diesel Equipment, including:
  - Locomotives
  - Marine Vessels
  - Freight Handling Equipment
  - Road Construction Equipment
  - Airport & Port Equipment



Cleaner Diesel Technologies – PM 2.5

Reimbursement Rates for Private Entities

Diesel Emission Reduction Solutions	Maximum Grant Participation for Private Entities
Aftertreatment emissions control devices	100%
Certified alternative fuel conversion	50% of Incremental cost
Auxiliary power units/generator sets	50%
Automatic shut-down/start-up systems	50%
Fuel operated heaters	50%
Aerodynamic devices and low rolling resistance tires	80%
Engine upgrade / remanufacture	50%
Engine replacement/repower	80% of cost to purchase and install a new engine
Vehicle replacement with certified alternative fuel vehicle	50% of Incremental cost
Genset locomotive	50% of cost of an eligible verified engine upgrade, remanufacture or replacement

Cleaner Diesel Technologies – PM 2.5

Reimbursement Rates for Public Entities

Diesel Emission Reduction Solutions	Maximum Grant Participation for Government Agencies
Aftertreatment emissions control devices	100%
Certified alternative fuel conversion	100% of Incremental cost
Auxiliary power units/generator sets	80%
Automatic shut-down/start-up systems	80%
Fuel operated heaters	80%
Aerodynamic devices and low rolling resistance tires	80%
Engine upgrade / remanufacture	80%
Engine replacement/repower	80% of cost to purchase and install a new engine
Vehicle replacement with certified alternative fuel vehicle	100% of Incremental cost

Cleaner Diesel Technologies – PM 2.5

Technology Certification Requirements

Cleaner diesel technologies purchased with CMAQ funds must be verified or certified by either :

- **U.S. Environmental Protection Agency (EPA)**

  EPA Verified Technologies List
  http://www3.epa.gov/otaq/diesel/verification/index.htm

- **California Air Resources Board (CARB).**

  CARB Verified Technologies List
  http://www.arb.ca.gov/diesel/verdev/vt/cvt.htm

Cleaner Diesel Technologies – PM 2.5

Restrictions

- Minimum 20% nonfederal match for most projects
- Applicant must be the owner of the vehicles or equipment in question.
- Projects must reduce emissions.
- Projects that simply expand existing fleets are not eligible.
- Grantees must destroy the old engine and provide evidence to TDOT to receive reimbursement.
- Vehicles/equipment must operate within a nonattainment or maintenance area to receive funds.
- TDOT cannot reimburse the grantee for any expenses incurred before receiving a Notice to Proceed.

Applications

1. Submit a Letter of Intent by **January 15, 2016** to TDOT.CMAQ@tn.gov
   - Template can be found on TDOT's website (http://www.tn.gov/tdot/article/cmaq)

2. TDOT will make a determination of eligibility

3. TDOT will notify applicant of any additional materials needed to complete the application/emissions analysis.

Cleaner Diesel Technologies Applications

Letter of Intent should include:

- Organization's name and type (Private sector company, government agency or nonprofit organization)
- Organization's physical address
- Name and job title of organization contact
- Phone number
- Email of organization contact
- Brief (3-4 sentences) description of the proposed project, including expected usage and geographic location.
- Engine information for engine(s) involved in project. This could be information about the vehicle that the project will replace.
- Brief (3-4 sentences) description of how the project will mitigate emissions produced by diesel engines. This narrative should include a qualitative description of the project's impact on existing emissions.
- The total estimated budget for the project, the amount of CMAQ funds requested and the proposed match.
- The amount of matching funds that the vehicle/equipment owner intends to provide to the project.

An Opportunity to Reduce Local Match Requirements!!!

Clean TN Energy Grant Program

- Tennessee Dept. of Environment and Conservation (TDEC) grant program
  - Available to:
    - Municipal governments
    - County governments
    - Utility districts
    - Quasi-governmental agencies
    - State agencies
  - Requires **<u>50%</u>** local match, or better.
  - Maximum $250,000 grant *($5,000 minimum).*
  - Projects eligible as **Air Quality Improvement** projects:
    - **GHG, SO_2, VOCs, NOx, HAPs…. Show PM 2.5 benefits as 'Other'**

TDEC's Clean TN Energy Grant

- Pre-Application due on **January 29, 2016**
  - Application Form – 2 pages
  - Narrative answering selection criteria questions – 5 pages (max)
  - Budget – 2 pages (max)
  - Relevant appendices (letters of support)
  - Project schedule
  - **PROPOSALS MUST BE STAMPED BY REGISTERED ENGINEER !**

- **Let us know you are applying for TDEC funds as part of the match! Let TDEC know you are applying for CMAQ funds!**

- More information, including the grant application, pre-proposal manual, and budget sheet, can be found at: http://www.tennessee.gov/environment/article/grants-clean-tennessee-energy-grants

TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION
William R Snodgrass Tennessee Tower – Office of Sustainable Practices
312 Rosa L Parks Ave, 2nd Floor, Nashville, TN 37243
EMAIL: Green.Initiatives@tn.gov

Clean Tennessee Energy Grant Program Application

(Limit one application per entity, per location)

To be considered, applications must be submitted no later than January 29, 2016.

Participant Information | Please provide a description in the text boxes below for each section

Applicant Name *(Organization that will enter into the Grant Agreement)*:

Applicant is a:

A. Municipal Government
B. County Government
C. Utility District
D. Other Entities created by statute

List of Project Partners (if any):

List County/Counties location:

Applicant Address:
City: Zip Code(9-Digit):

Project Location Address:
City: Zip Code(9-Digit):

Applicant Contact (Person responsible for daily management of project):
Name: Telephone: - -
Title: Federal ID:
E-Mail:

Project Title:

Project Categories

Cleaner Alternative Energy:
Biomass
Geothermal
Solar
Wind
Other:

Air Quality Improvement/Reduction Energy Conservation:
GHG
SO_2
VOCs
NO_x
HAPs
Other:

Lighting
HVAC Improvements
Improved fuel efficiency
Insulation
Idling Minimization
Other:

Brief Project Description *(No more than 500 characters)*:

Project Funding
Grant Amount Requested: $
Match: $
TOTAL PROJECT COST $ 100%

Source & Amount of Applicant's Matching Funds
General Fund: $
In-kind Services: $
TOTAL MATCH $

(TOTAL MATCH should equal match in project funding section)

CN-1369 (Rev. 10-15) RDA SW-12

Continued on Page 2

Grantee Information (Person responsible for communications and contact):
Name: Address:
Title: Telephone:
E-Mail: Fax:

Federal Congressional District
Congressperson's Name: District Number:

State Districts
Senator's Name: District Number:
Representative's Name: District Number:

Signature of Elected Official/Date
Mailing Address, City, State, Zip Code
Printed Name/Title
E-Mail

Signature of Project Partner/Date
Mailing Address, City, State, Zip Code
Printed Name/Title
E-Mail

When you have completed this form print and sign and make a copy for your records and return the original to the following address:

Tennessee Department of Environment and Conservation
Office of Sustainable Practices
Attention: Clean Tennessee Energy Grant
William R Snodgrass Tennessee Tower
312 Rosa L. Parks Avenue, 2nd Floor
Nashville, TN 37243

Application Procedure:

Applicants must complete and provide the items listed below in their grant request. Details for completing the items below are provided in this grant manual.

- Clean Tennessee Energy Grant Program Application
- Project Proposal (maximum five pages)
  - Selection Criteria
  - Estimate of reductions and or air emissions
- Budget page and Budget justification

TN Department of Environment & Conservation

CN-1369 (Rev. 10-15) RDA SW-12

TDEC's Clean TN Energy Grant

- Example *(80% CMAQ / 10% TDEC / 10% Local)*

	$2 million	**(CMAQ)**
+	**$250,000**	**(Clean TN Energy Grant)**
+	**$250,000**	**(Local Match)**
	$2.5 million	**Total Project**

Questions about the Clean TN Energy Grant? Contact:

- Green.Initiatives@tn.gov
- Kathy Glapa – kathy.glapa@tn.gov

Contact for More Information

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Casey Langford, PhD | Special Projects Coordinator | casey.langford@tn.gov

TDOT.CMAQ@tn.gov

http://www.tn.gov/tdot/article/cmaq

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