Congestion Mitigation and Air Quality Improvement (CMAQ) Program

Funding Opportunities Webinar

December 9, 2015

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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

<table>
<thead>
<tr>
<th>Diesel Emission Reduction Solutions</th>
<th>Maximum Grant Participation for Private Entities</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aftertreatment emissions control devices</td>
<td>100%</td>
</tr>
<tr>
<td>Certified alternative fuel conversion</td>
<td>50% of Incremental cost</td>
</tr>
<tr>
<td>Auxiliary power units/generator sets</td>
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</tr>
<tr>
<td>Automatic shut-down/start-up systems</td>
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</tr>
<tr>
<td>Fuel operated heaters</td>
<td>50%</td>
</tr>
<tr>
<td>Aerodynamic devices and low rolling resistance tires</td>
<td>80%</td>
</tr>
<tr>
<td>Engine upgrade / remanufacture</td>
<td>50%</td>
</tr>
<tr>
<td>Engine replacement/repower</td>
<td>80% of cost to purchase and install a new engine</td>
</tr>
<tr>
<td>Vehicle replacement with certified alternative fuel vehicle</td>
<td>50% of Incremental cost</td>
</tr>
<tr>
<td>Genset locomotive</td>
<td>50% of cost of an eligible verified engine upgrade, remanufacture or replacement</td>
</tr>
</tbody>
</table>
# Cleaner Diesel Technologies – PM 2.5

## Reimbursement Rates for Public Entities

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<th>Diesel Emission Reduction Solutions</th>
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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 50% 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](http://www.tennessee.gov/environment/article/grants-clean-tennessee-energy-grants)
Clean Tennessee Energy Grant Program Application

To be considered, applications must be submitted no later than January 26, 2016.

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

Applicant Name: [Organization that will submit all the Grant Agreements]

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

List of Project Partners (if any):

List County/County location:

Applicant Address:
City [ ] Zip Code[8-Digit]

Project Location Address:
City [ ] Zip Code[8-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
- SO2
- VOCs
- NOx
- HAPs
- Other

Brief Project Description (No more than 800 characters):

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)
- Proposal
- Selection Criteria
- Estimate of reductions and air emissions
- Budget page and Budget justification

(List of Project Partners if any):

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(List of Project Partners if any):
TDEC’s Clean TN Energy Grant

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

<table>
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<tr>
<th></th>
<th>Amount</th>
<th>Source</th>
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<tbody>
<tr>
<td>$2 million</td>
<td>(CMAQ)</td>
<td></td>
</tr>
<tr>
<td>+ $250,000</td>
<td>(Clean TN Energy Grant)</td>
<td></td>
</tr>
<tr>
<td>+ $250,000</td>
<td>(Local Match)</td>
<td></td>
</tr>
<tr>
<td><strong>Total Project</strong></td>
<td><strong>$2.5 million</strong></td>
<td></td>
</tr>
</tbody>
</table>

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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