

The Knoxville Regional Transportation Planning Organization (TPO) is advertising for fiscal year 2009 Congestion Mitigation and Air Quality (CMAQ) “Call for Projects”.

<b>FY 2009 CMAQ project selection process schedule</b>	
Send out Call for Projects	June 10, 2009
Call for Projects due to TPO Staff	July 10, 2009
Prioritization of projects by TPO Staff	July
Technical Committee reviews prioritized projects	August 11, 2009
RPO reviews project list	August
TDOT/FHWA/IAC review	July/August/Sept
Technical Committee makes final recommendation to Board	September/October
TPO Board adopts FY 2009 CMAQ projects	October 28, 2009

### Call for projects

The Knoxville Regional TPO will distribute a “CMAQ Call for Projects” package to the TPO Technical Committee members and other government agencies within the non-attainment area on **June 10, 2009**. CMAQ program funds projects within the non-attainment area, which include the counties of Anderson, Blount, Jefferson, Knox, Loudon, Sevier, a portion of Roane County in the vicinity of the TVA Kingston Steam Plant and a portion of Cocke County within the Great Smoky Mountains National Park. A legal notice will be published in major newspapers in the region announcing the TPO’s call for projects and the procedures for submitting projects for CMAQ funds. Additionally, the application and procedures will be available on the Knoxville Regional TPO’s website. Projects can require up to a 20-percent match and must therefore be sponsored by a governmental entity. **The completed applications must be received by the TPO no later than July 10, 2009.**

### Eligible projects

The Congestion Mitigation and Air Quality Program established under ISTEA and reauthorized with TEA-21 and SAFETEA-LU, was designed to assist nonattainment and maintenance areas in attaining the national ambient air quality standards by funding transportation projects and programs that will improve air quality by reducing transportation-related emissions. Projects not eligible for CMAQ funding include scrappage programs, highway capacity expansion projects, rehabilitation and maintenance activities and projects located outside of nonattainment or maintenance area boundaries. The following are projects that are eligible for CMAQ funding (for further clarification see Appendix A):

- Transportation activities in an approved SIP or maintenance plan
- Transportation Control Measures to assist areas designated as non-attainment under the Clean Air Act Amendments
- Extreme low temperature cold starts programs
- Public/Private partnerships these must demonstrate strong emission reduction benefits
- Alternative fuels
- Traffic flow improvements
- Transit projects
- Bicycle and pedestrian facilities and programs
- Travel demand management

- Outreach and rideshare activities
- Telecommuting
- Fare/fee subsidy programs
- Intermodal freight
- Planning and project development activities
- Inspection/Maintenance eligibility
- Magnetic levitation transportation technology deployment programs
- Experimental pilot projects
- Establish or operate advanced truck stop electrification systems
- Improve transportation systems management or operations that mitigate congestion and improve air quality
- Involve the purchase of integrated, interoperable emergency communications equipment
- Involve the purchase of diesel retrofits that are for motor vehicles or non-road vehicles and non-road engines used in construction projects
- Conduct outreach activities that provide assistance to diesel equipment and vehicle owners and operators regarding the purchase and installation of diesel retrofits

SAFETEA-LU adds new requirements that States and MPOs give priority to projects and programs to diesel retrofits and other cost-effective emission reduction activities, and cost-effective congestion mitigation activities that provide air quality benefits. For more information on SAFETEA-LU CMAQ requirements see Appendix A.

The following is a list of projects the Knoxville TPO will no longer fund with CMAQ dollars:

- Planning or research projects that do not result in significant and measurable emission reduction benefits.
- Public/private partnership projects beyond the initial demonstration year that do not result in significant and measurable reduction benefits.

### **Project evaluation**

The projects will be evaluated and ranked by TPO staff based on the following criteria.

A. Congestion reduction	20 points
B. Emission reduction	40 points
C. Cost effectiveness of emissions reduction	30 points
D. Environmental Justice/Title VI	10 points

### **Programming**

Projects will be ranked by TPO staff according to the scoring criteria. The Technical Committee will then recommend to the Executive Board a list of projects to fund, and the Executive Board will make the final approval.

**Congestion Mitigation and Air Quality Project Application**

Knoxville Regional Transportation Planning Organization

Please return form by **July 10, 2009**.

Project Sponsor/Contact Person: \_\_\_\_\_ Phone #: \_\_\_\_\_

Jurisdiction: \_\_\_\_\_

County: \_\_\_\_\_

**Project description**

Include project detail, proposed improvements, purpose, need, how it will provide service, who are the primary players and where it will operate/serve. Attach a sketch design plan of the proposed project which shows the general location of this project and, if practical, where the individual project amenities (if any) will be located within the project site.

**Service Life**

Estimate the service life of the project (maximum 20 years)

**Project justification**

What public benefits will occur if this project is implemented?

**Project history**

Describe any work that has already taken place on this project (such as studies regarding travel or other impacts of the project, preliminary engineering, meeting with public officials, etc.)

**Pre-screening Criteria: Consideration for CMAQ funding will be given to projects that meet the following three criteria.**

1) Is the proposed project included in the 2009-2034 Knoxville Regional Mobility Plan or included or justified in a local plan or program?

Yes (please list plan(s))

No

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2) Does a Knoxville Regional TPO member or government agency in the non-attainment area sponsor the project, and is the project sponsor financially committed to the submitted project (circle one)?

Yes (list project sponsor)

No

3) How does the project comply with the Bicycle and Pedestrian Accommodation Policy (see Appendix B)?

**Project Budget**

Include accurate and updated costs (attach any cost estimate documentation). The TPO will consider funding projects beyond one year if the cost is considerably high or if the project is an ongoing program.

<b>Fiscal Year</b>	<b>Phase of Work</b>	<b>Federal dollars</b>	<b>State dollars</b>	<b>Local dollars</b>
2009				

**Project evaluation**

A. Congestion (20 possible points)

1. Is the project listed as a congested corridor/intersection in the Congestion Management Plan (see Appendix C) (5 points)?

No (answer question 2)

Yes (please list, go onto section B)

2. Does the project fulfill the congestion mitigation strategies in the Congestion Management Plan (see Appendix C) (5 points)?

No

Yes (describe)

3. Estimate the vehicle miles traveled (VMT) reduced from implementing the project (maximum 5 points). \_\_\_\_\_

-or-

If intersection improvement, signal timing, ITS improvement or other applicable project estimate the amount of reduced delay realized from the project (maximum 5 points). \_\_\_\_\_

4. Cost Effectiveness of reduced VMT or delay

CMAQ \$/ VMT or delay (5 points) \_\_\_\_\_

B. Emission Reductions (40 possible points)

Estimate the amount of volatile organic compounds (VOC), oxides of nitrogen (NOx) and particulate matter (PM 2.5) emissions that will be reduced as a result of the implemented project. **For assistance with determining the appropriate methodology and assumptions contact Mike Conger at 215-2500.** Attach methodology and assumptions.

Ozone (maximum 20 points):

VOC \_\_\_\_\_kg/day                      NOx \_\_\_\_\_kg/day

PM 2.5 (maximum 20 points) \_\_\_\_\_ kg/day

C. Cost effectiveness of emissions reduction (30 possible points)

Total anticipated VOC, NOx and PM 2.5 credits divided by CMAQ dollars requested.

CMAQ \$/ Ozone Credits (maximum 15 points):

VOC \_\_\_\_\_                      NOx\_\_\_\_\_

CMAQ \$/ PM 2.5 credits (maximum 15 points) \_\_\_\_\_

D. Environmental Justice

How does the project provide transportation services to individuals or groups who need some form of transportation due to an inability to utilize other forms of transportation; this can include service to the elderly and disabled or economically disadvantaged individuals (5 points)?

Briefly describe any adverse or positive benefits this project may have on the transportation-disadvantaged, including minorities, elderly and disabled residents. For instance does this project disrupt a minority neighborhood by dividing it or providing adverse effects? If the project results in negative impacts explain what types of mitigation will occur to offset the negative impacts. (5 points for positive, -5 points for negative impacts)

(100 possible points\*)

E. Before and After Study

The TPO is requiring a before and after analysis to determine actual benefits that have been achieved. An example would be documenting travel time and delay savings along a corridor where a signal timing study was implemented. This analysis will be due to the TPO within 12 months from the completion/purchase of project. Any agency that fails to submit a before and after analysis will be ineligible for the next fiscal year round of CMAQ applications and funding. Please provide a summary of how you will conduct the before and after study and what measure you will use to determine actual benefits.

F. Certification

To the best of my knowledge and belief, all information included in this application is true and accurate, including the commitment of all physical and financial resources. The participating local authority has duly authorized this application and is committed to completing this project within a reasonable timeframe.

Applicant Agency/Organization \_\_\_\_\_

Signature \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_

Mail to:  
Knoxville Regional TPO  
Attn: Katie Habgood  
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Knoxville, TN 37902  
Fax (865) 215-2068

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\* SAFETEA-LU gives priority to diesel retrofits. If this project is a diesel retrofit then five additional points will be added to the final score.