

Appendix C
CMAQ Project Selection Application

Knoxville Regional TPO FY 2008 CMAQ Project Selection Process

The Knoxville Regional Transportation Planning Organization (TPO) is advertising for fiscal year 2008 Congestion Mitigation and Air Quality (CMAQ) “Call for Projects”.

FY 2008 CMAQ project selection process schedule	
Send out Call for Projects	January 9, 2007
Call for Projects due to TPO Staff	February 23rd
Prioritization of projects by TPO Staff	March/April
Technical Committee reviews prioritized projects	April/May
RTPO reviews project list	April/May
TDOT/FHWA/IAC review	April-June
Technical Committee makes final recommendation to Board	July/August
RTPO adopts FY 2007 CMAQ projects	July/August
TPO Board adopts FY 2007 CMAQ projects	August/September

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 January 9, 2007. CMAQ program funds projects within the non-attainment area, which include the counties of Anderson, Blount, Jefferson, Knox, Loudon, Sevier and a portion of Cocke County within the Great Smoky Mountains National Park. A legal notice will be published in every local paper 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. Most projects require 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 February 23, 2007.**

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

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- 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

The following are additional projects eligible for CMAQ funds under SAFETEA-LU:

- 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

Additionally, SAFETEA-LU adds new requirements that States and MPOs will 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.

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Project evaluation

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

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

Programming

Projects will be ranked according to the scoring criteria. The highest ranked project will be funded, followed by the second, third, until the funding is depleted. The Technical Committee will recommend to the Executive Board a list of projects to fund and the Executive Board will make the final approval.

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Congestion Mitigation and Air Quality Project Application

Knoxville Regional Transportation Planning Organization

Please return form by February 23, 2007.

Project Sponsor/Contact Person: _____ Phone #: _____

Jurisdiction: _____

City: _____

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.

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.)

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Pre-screening Criteria: All projects must meet the following three criteria before being considered for CMAQ funding.

1) If applicable, is the project included in the 2030 Long Range Transportation Plan (see appendix B) (circle one)?

Yes (list project # and go onto question 2) No

Is the project included or justified in a local plan or program (circle one)?

Yes (please list plan(s)) No

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 C)?

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.

Fiscal year	Phase of work	Federal dollars	Local dollars	Total cost
2008				
2009				

Project evaluation

A. Congestion

1. Is the project listed as a congested corridor/intersection in Chapter 3 of the Congestion Management Plan (see appendix D)(10 points)?

No (answer question 2) Yes (please list, go onto section B)

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2. Does the project fulfill the congestion mitigation strategies in Chapter 4 of the Congestion Management Plan (see appendix E)(10 points)?

No

Yes (describe)

3. Estimate the vehicle miles traveled reduced from implementing the project (maximum 10 points) _____

-or-

If intersection improvement, signal timing, ITS improvement or other applicable project estimate the amount of reduced delay realized from the project (maximum 10 points)_____

4. Cost Effectiveness of reduced VMT or delay

CMAQ \$/ VMT or delay (10 points) _____

B. Emission Reductions

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 or Shannon Tolliver at 215-2500. Attach methodology and assumptions. Total possible points are 40.

Ozone (maximum 20 points):

VOC _____kg/day NOx _____kg/day

PM 2.5 (maximum 20 points) _____ kg/day

C. Cost effectiveness of emissions reduction

Total anticipated VOC, NOx and PM 2.5 credits divided by CMAQ dollars requested. Total possible points are 20.

CMAQ \$/ Ozone Credits (maximum 10 points):

VOC _____ NOx_____

CMAQ \$/ PM 2.5 credits (maximum 10 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 & 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)

(110 possible points)

**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.

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.

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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 _____

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