



Baltimore
Metropolitan
Council

REQUEST FOR PROPOSAL

Project Scope:

Transportation-Related Greenhouse Gas Modeling Assistance

Proposal Due Date:

Thursday, January 22, 2009, 2:00 p.m.

Contract Type:

Fixed Price, Partial Payments based on Task Completion

Submit Proposals to:

Baltimore Metropolitan Council
ATTN: Sara Tomlinson
2700 Lighthouse Point East, Suite 310
Baltimore, MD 21224
E-mail: stomlinson@baltometro.org
Fax: (410) 732-8248
Phone: (410) 732-0500 Ext. 1035

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INTRODUCTION

BMC – Who We Are and What We Do

The Baltimore Metropolitan Council (BMC) is a private nonprofit organization committed to identifying regional interests and developing collaborative strategies through plans and programs which will improve the quality of life and economic vitality throughout the region. Our Board of Directors includes the Mayor of Baltimore City, the County Executives of Anne Arundel, Baltimore, Harford and Howard counties, and a Carroll County Commissioner.

The work of BMC staff includes transportation forecasting and analysis, economic and demographic research, computer mapping applications, air and water quality programs, cooperative purchasing, and rideshare coordination. In addition, BMC staff provide technical support to the Baltimore Regional Transportation Board (BRTB).

The BRTB is the designated Metropolitan Planning Organization (MPO) for the Baltimore region. It consists of designated representatives from Baltimore City, Anne Arundel County, Baltimore County, Carroll County, Harford County, and Howard County, plus the City of Annapolis, the Maryland Department of Transportation, the Maryland Department of the Environment, and the Maryland Department of Planning.

Sara Tomlinson will serve as the Project Manager for this project. She will be responsible for coordinating the work of the Consultant for this project and assisting the Consultant in activities deemed appropriate.

Purpose and Background of Project

In the Baltimore region, there is increasing attention being paid to the issue of climate change. The transportation sector is responsible for approximately one third of greenhouse gas (GHG) emissions in the State of Maryland. Although there is no National Ambient Air Quality Standard (NAAQS) for carbon dioxide, the MPO is interested in preparing for possible future regulation, whether at the state or national level. As a result, BMC staff is examining methods to model greenhouse gases from the transportation sector.

The goal of BMC staff is to create an inventory of greenhouse gas emissions from onroad mobile sources in the Baltimore region, evaluate emission trends, and to project emissions into the future. Staff would also like to understand the greenhouse gas emission reduction potential of emission reduction strategies related to VMT reduction and land use.

This Request for Proposals (RFP) solicits proposals from qualified consultants (and consultant teams) to perform modeling assistance for determining greenhouse gas emissions from the onroad transportation sector in the Baltimore region and in analyzing the factors that influence VMT in the Baltimore region.

Scope and Objectives of Project

For this project, the Consultant will assist staff in modeling greenhouse gas (GHG) emissions from the onroad mobile source sector in the Baltimore region. The consultant will provide technical advice and will create written modeling guidance. Some of the objectives of this modeling will be to identify emission trends for this sector and to project emissions into the future. This will include CO₂ as well as other GHGs resulting from the onroad mobile source sector, such as CH₄ and N₂O and possibly HCF. The consultant will be expected to direct staff on methods for quantifying these emissions.

Staff would also like to understand the greenhouse gas emission reduction potential of emission reduction strategies related to VMT reduction and land use. The consultant will be expected to perform a cross-sectional analysis of the 2001 Household Travel Survey to determine what factors influence VMT in the Baltimore region.

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The consultant will also be expected to document and explain to staff the limitations of EPA's Mobile 6.2 emissions model for creating an inventory of GHGs, and for calculating GHG emissions benefits from various emission reduction project types.

The items mentioned briefly above outline the general work scope of this request for proposals. The result of the consultant work is expected to support staff understanding of GHG modeling, so that staff will then be able to project emissions, and then evaluate implementation methods of transportation sector proposals from the Maryland Climate Change Commission final report.

The Consultant will need to: (1) consult with staff to determine modeling needs; (2) provide modeling assistance to staff; (3) perform an analysis to determine what factors influence VMT and, (4) create a guidance document for staff on modeling GHG from the transportation sector.

WORK PROGRAM

General

This Request for Proposals (RFP) solicits proposals from qualified consultants (or consultant teams) to assist staff in modeling greenhouse gas (GHG) emissions from the onroad mobile source sector in the Baltimore region. The consultant will provide technical advice and will create written modeling guidance. The Consultant shall develop a proposed work plan, subject to the BMC's approval, including the scope of work and methodology, staffing and qualifications, estimation of person hours and costs, and a project schedule for designated tasks. The tentative project schedule should include allowances for the periods of time required for BMC's review and may be adjusted, as the tasks require. BMC reserves the right to change the order of the project tasks depending on the status of relevant activities. The contract executed pursuant to this RFP will require the Consultant to complete all services by June 30, 2009.

The services to be provided by the Consultant under this contract include, at a minimum, the following:

Task 1 – Determine modeling needs

The Consultant shall consult with BMC staff (1) to understand the BMC process for modeling travel demand and criteria pollutants; and (2) to determine the best method for modeling GHG emissions from the transportation sector in the region. Some of the objectives of this modeling will be to identify emission trends for this sector and to project emissions into the future.

Task 2 – Provide modeling assistance to staff

The Consultant shall provide modeling guidance and technical advice to staff for modeling GHG emissions from the transportation sector. This will include CO₂ as well as other GHGs resulting from automobiles, such as CH₄ and N₂O and possibly HCF. The consultant will be expected to direct staff on methods for quantifying these emissions.

Task 3 – Perform an analysis to determine what factors influence VMT

The Consultant shall perform a cross-sectional analysis of the 2001 Household Travel Survey to determine what factors influence VMT in the Baltimore region. Staff would like to have a general understanding of the greenhouse gas emission reduction potential of emission reduction strategies related to VMT reduction and land use.

Task 4 – Create a guidance document

The Consultant shall create a basic guidance document on the most appropriate methods for staff to use for modeling GHG emissions from the transportation sector. The consultant will also be expected to document and explain to staff the limitations of EPA's Mobile 6.2 emissions model for creating an inventory of GHGs, and for calculating GHG emissions benefits from various emission reduction project types.

Consultant Qualifications

The BMC is seeking consultant(s) who have experience and familiarity with the following:

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- Modeling greenhouse gas emissions from the transportation sector.
- Transportation-related air quality activities and responsibilities of metropolitan planning organizations.
- Emission mitigation strategies for greenhouse gas emissions.

PROPOSAL CONTENT

The proposal should consist of two separate parts: (1) a Technical Proposal (3 copies); and, (2) 1 Cost Proposal (in a sealed envelope). They shall meet, at a minimum, the following requirements.

Technical Proposal

The Technical Proposal should contain the following:

- *Cover Letter* – signed by an executive with authority to commit the proposing firm and stating the period for which the proposal is valid.
- *Work Program* – A discussion of each task to be undertaken, how it will be performed and the products to be produced. Proposers may add or subdivide the tasks as necessary to fully describe their approach to the work. An overall schedule of work should be developed.
- *Experience and Qualification* – Please list your qualifications with regard to the selection criteria identified in this RFP. Your summary should contain: (a) the information on projects of similar nature that you or your firm has completed, including brief descriptions, dates, and names of contact persons. Please include links to relevant work if possible, and (b) the resumes of proposed project manager and key team personnel.
- *Project Management* – Designation of a project manager and the responsibilities of the manager. Note that the resulting contract will require commitment of the specified staff. An outline showing estimated hours by each staff member by task shall be provided.
- *DBE Participation* – The program for assuring the maximum opportunity for participation by Disadvantaged Business Enterprises (DBEs) in accord with BMC's goals shall be presented. See the section of MANDATORY STATEMENTS for statement of DBE participation goals.
- *Other Information* – Any other material that the proposer wishes to provide.

Cost Proposal

The Cost Proposal should be composed of two parts: Project Budget and Affidavits and Certifications.

Project Budget: The current budget identified to complete this effort is described below. When submitting your cost proposal, please address the items listed below.

- The maximum amount of funding available is \$30,000. Regarding this budgeted amount, the following questions should be answered:
 1. Is this amount sufficient to complete the tasks outlined in this RFP?
 2. If the answer to question #1 is yes, what will be the cost for you to complete this project?
 3. If the answer to question #1 is no, state your proposed total cost, and also identify those tasks which you will be able to complete for the above-mentioned sum which will produce a useable product.
- Provide your price quote as a fixed price in United States dollars. The price quote shall include the number of labor hours and cost by staff member and total hours and cost estimated for each task. Direct costs shall be itemized by category (e.g., travel, per diem, printing and reproduction, etc.) for the entire project. The contract type is anticipated as fixed price with partial payments paid based on task completion.

Affidavits and Certifications – An original signed copy of Proposal Affidavit attached at the end of this RFP shall be included in the Cost Proposal.

Proposals not meeting the above requirements will be rejected.

SUBMISSION OF PROPOSAL

All respondents shall submit their proposal to:

Baltimore Metropolitan Council
Attn: Sara Tomlinson
2700 Lighthouse Point, Suite 310
Baltimore, MD 21224-4774

The proposal must be received by BMC no later than 2:00 p.m. Eastern Standard Time on **Thursday, January 22, 2009**. Allow adequate time for mail or other carrier delivery. Proposals arriving after the deadline will not be accepted. Please direct any questions to Sara Tomlinson by telephone (410) 732-0500, ext. 1035, fax (410) 732-8248, or e-mail: stomlinson@baltometro.org.

The BMC will not pay for the development and submission of proposals in response to this RFP. The BMC reserves the right to reject any proposals without cost or detriment to the BMC.

The Consultant shall not make changes in the specifics put forth in a proposal, including staff participation, without the prior written consent of the BMC.

TENTATIVE SCHEDULE

RFP Issued:	Tuesday, January 6, 2009
Proposals Due:	Thursday, January 22, 2009, 2:00 p.m.
Consultant Selection:	Wednesday, January 28, 2009
Start of Work:	February 4, 2009
Completion of Work:	June 30, 2009

Task Schedule

- Kickoff meeting – Consultant meets with BMC staff to initiate project and to consult on modeling needs (February 2009).
- Modeling Assistance – The consultant shall provide modeling assistance to staff on an on-call basis. (February to June 2009).
- Progress meeting – Consultant meets with BMC staff to provide a progress report (March/April 2009).
- Draft Guidance Document – Consultant provides draft guidance document (April 2009).
- Presentation on Modeling Recommendations at Interagency Consultation Group (May 2009).
- Final Guidance Document – Consultant provides final guidance document (early June 2009).

CONSULTANT SELECTION CRITERIA

All proposals will be evaluated on the basis of technical merit and proposed cost. This is not a low-bid procurement. BMC staff will conduct the evaluation of proposals. Technical merit includes work program and approach, as well as staff experience and qualifications. The contract executed shall not exceed \$30,000 in value. Teaming is permissible but the contract will be with a single prime contractor.

The BMC reserves the right to negotiate with one or more respondents selected on the basis of the initial technical merit and proposed cost. Respondents may be asked to make personal appearances to provide additional information on proposals.

MANDATORY STATEMENTS**Public Information Act Notice**

Respondents should give specific attention to the identification of those portions of their proposals they deem to be confidential, proprietary information or trade secrets and provide any justification why such materials, upon request, should not be disclosed.

Disadvantaged Business Enterprise Notice

Disadvantaged business enterprises (DBEs) are encouraged to respond to this solicitation. It is the intent of the BMC that certified minority business enterprises and sub-contractors be given the opportunity to submit proposals to this RFP and will not be subject to discrimination on the basis of race, color, sex, or national origin in consideration for an award.

Disadvantaged Business Enterprise Subcontract Participation Goal

The Baltimore Metropolitan Council hereby notifies all respondents that in regard to any contracts entered into pursuant to this advertisement, MBEs and WBEs will be afforded full opportunity to submit expressions of interest in response to this notice and will not be subject to discrimination on the basis of race, color, sex or national origin, in consideration for an award.

It is the goal of the BMC that certified businesses participate in all federal-aid contracts. A DBE subcontract participation goal of ten percent of the total contract amount has been established for this procurement. Proposers must make a good faith effort to meet this goal. All offers submitted in response to this RFP must include a statement specifying the Maryland Department of Transportation (MDOT) has certified the DBE or DBEs utilized to meet this requirement. If the DBE has not been certified by MDOT but has been certified by other state transportation agencies receiving federal funding, the name of the agency should be included in the proposal. The BMC reserves the option to accept this certification in lieu of MDOT certification.

Required Terms and Conditions

The following terms and conditions are required in contracts executed by the BMC.

- Parties to the Contract
- Scope of the Contract
- Compensation and Method of Payment
- Non-Hiring of Employees
- Disputes
- Maryland Law Prevails
- Non-Discrimination in Employment
- Contingent Fee Prohibition
- Multi-Year Contracts Contingent Upon Appropriations
- Termination for Default
- Termination for Convenience
- Delays and Extensions of Time
- Liquidated Damages
- Suspension of Work
- Retention of Records
- Compliance with Laws
- Truth in Negotiation Certification
- Contract Affidavit
- Insurance Coverage

PROPOSAL AFFIDAVIT**A. (ANTI-BRIBERY AFFIRMATION). I HEREBY CERTIFY THAT**

(1) I am the (title) _____ and the duly authorized representative of (vendor) _____ and that I possess the legal authority to make this Affidavit on behalf of myself and the vendor for which I am acting.

(2) Except as described in paragraph 3 below, neither I, nor to the best of my knowledge, information, and belief, the above vendor, nor any of its officers, directors, or partners, nor any of its employees directly involved in obtaining contracts with the State or any county, bi-county, multicounty agency or subdivision of the State has been convicted of, or has pleaded nolo contendere to a charge of, or has during the course of an official investigation or other proceeding, admitted in writing or under oath acts or omissions committed after July 1, 1977, which constitute bribery, attempted bribery, or conspiracy to bribe under the provisions of Article 27 of the Annotated Code of Maryland or under the laws of any state or federal government.

(3) State "none" or, as appropriate, list any conviction, plea or admission described in paragraph 2 above, with the date; court official, or administrative body; and the sentence or disposition, if any:
_____.

(4) I ACKNOWLEDGE THAT this Affidavit is to be furnished to the Procurement Officer, and may be furnished to the Attorney General pursuant to Sections 16-201, et seq., of the State Finance and Procurement Article of the Annotated Code of Maryland. I acknowledge that if the representations set forth in this Affidavit are not true and correct, the Council may terminate any contract awarded and take any other appropriate action.

B. (NON-COLLUSION AFFIRMATION). I HEREBY FURTHER AFFIRM THAT neither I nor, to the best of my knowledge, information and belief, the above firm nor any of its other representatives I here represent have:

(1) Agreed, conspired, connived or colluded to produce a deceptive show of competition in the compilation of the bid or offer being submitted herewith;

(2) In any manner, directly, or indirectly, entered into any agreement, participated in any collusion to fix the bid price or price proposal of the bidder or respondent herein or any competitor, or otherwise taken any action in restraint of free competitive bidding in connection with the contract for which the within bid or offer is submitted.

C. (PROCUREMENT AFFIRMATION). I HEREBY FURTHER AFFIRM THAT

(1) Neither the above business nor, to the best of my knowledge, information, and belief, any officer, controlling stockholders, partner, principal, or other person substantially involved in the contracting activities of the business has in the past five (5) years: (a) been convicted under state or federal statute of a criminal offense incident to obtaining or attempting to obtain or performing a public or private contract, fraud, embezzlement, theft, forgery, falsification or destruction of records, or receiving stolen property; (b) been found civilly liable under state or federal antitrust statutes for acts or omissions in connection with the submission of bids or proposals for a public or private contract; (c) been convicted of any violation of a state or federal antitrust statute; (d) been convicted under the provisions of Title 18 of the United States Code for violation of the Racketeer Influenced and Corrupt Organizations Act, 18 USC Section 1961 et seq.; or (e) the Mail Fraud Act, 18 USC Section 1341 et seq., for acts arising out of the submissions that would constitute grounds for conviction or liability under any statute described above. Also, the undersigned vendor was not founded or established or is not operated in a manner designed to evade the

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application or defeat the purpose of the Debarment Regulations, COMAR 21.08; is not currently suspended or debarred pursuant to COMAR 21.08 or by the action of any other public entity; and is not a successor, assignee, subsidiary, or affiliate of a suspended or debarred business.

(2)

(a) If the affirmation described in subsection (1) cannot be given and debarment proceedings have not been instituted against the business pursuant to COMAR 21.08, indicate the reasons why the affirmation cannot be given, including any conviction or admission described in subsection (1), above, with the date, court and sentence or disposition, if any; the name(s) of the person(s) involved, and their current positions and responsibilities with the business; the activity specified in COMAR 21.08 in which each person was involved; and the details of the person's participation in the activity, including the name(s) of an entity involved and the person's positions and responsibilities with the entity. (Attach additional sheets as necessary.)

(b) If the affirmation described in subsection (1) cannot be given, and debarment proceedings have been instituted against the business pursuant to COMAR 21.08, indicate the status of such proceedings.

I ACKNOWLEDGE THAT this Affidavit is to be furnished to the Procurement Officer and may be distributed to units of: (1) the State of Maryland; (2) counties or other subdivisions of the State of Maryland; (3) other states; and (4) the federal government. I further acknowledge that this Affidavit is subject to applicable laws of the United States and the State of Maryland, both criminal and civil, and that nothing in this Affidavit or any contract resulting from the submission of this bid or proposal shall be construed to supersede, amend, modify or waive, on behalf of the State of Maryland or any unit of the State of Maryland having jurisdiction, the exercise of any statutory right or remedy conferred by the Constitution and the laws of Maryland in respect to any misrepresentation made or any violation of the obligations, terms and covenants undertaken by the above firm in respect to (1) this Affidavit, (2) the contract, and (3) other Affidavits comprising part of the contract.

I DO SOLEMNLY DECLARE AND AFFIRM UNDER THE PENALTIES OF PERJURY THAT THE CONTENTS OF THIS AFFIDAVIT ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE, INFORMATION, AND BELIEF.

(Date)

(Affidavit)