

REQUEST FOR PROPOSAL

4-Factor Analysis for Regional Haze in the Northern Class I Areas

The Lake Michigan Air Directors Consortium (LADCO) is seeking contractor assistance to develop and apply a methodology for addressing the four reasonable progress factors required by Section 169A of the Clean Air Act. This information will be used by Midwestern States to support development of State Implementation Plans for regional haze.

You are invited to submit a proposal for this reasonable progress assessment. Proposals must be received no later than 5 p.m. CDT on July 10, 2015. An electronic copy (Word or pdf) of the proposal is required and should be sent to:

Mr. Rob Kaleel
Executive Director
Lake Michigan Air Directors Consortium
9501 W. Devon Avenue, Suite 701
Rosemont, IL 60018
e-mail: kaleel@ladco.org

No late proposals will be accepted, and the offer shall remain effective for a period of 60 days from the date of the mailing.

Your response to this Request for Proposal (RFP) should include a complete technical proposal to describe your approach for accomplishing the activities outlined below in the Scope of Work. The response should include a draft work plan, which clearly describes your technical activities, schedule, and deliverables, and should include a summary of your organization's capability and experience in the field of work. Please limit the technical proposal to 15 pages (12-point font). In addition, your technical proposal may include an appendix with supplemental information, such as references, resumes, and descriptions of recent relevant work. Please also provide a complete cost proposal with a detailed breakdown of projected expenditures by task, including person hours by labor category, travel, and other direct charges.

All contracts will be issued by LADCO and managed by LADCO's Executive Director. It is anticipated that LADCO will award a "time and materials" contract as a result of this solicitation. LADCO may consider awarding another type of contract, provided that its use is consistent with the objectives and interests of the States.

Funds available for this contract are federal funds from the U.S. Environmental Protection Agency (EPA) and contractors must meet requirements associated with the use of federal funds. All information and data produced and delivered under this contract will be in the public domain. No intellectual property is expected to be produced or delivered pursuant to this work.

All inquiries regarding this RFP should be directed to Rob Kaleel either in writing at the above address or via e-mail at kaleel@ladco.org. Written responses to inquiries will be sent to all organizations on the interested bidders list for this work. If your organization would like to be included on the interested bidders list for this and subsequent work, then please send an email to kaleel@ladco.org with your email address and contact information.

Scope of Work

Section 169A states that “Congress declares as a national goal the prevention of any future, and the remedying of any existing, impairment of visibility in mandatory Class I federal areas which impairment results from manmade air pollution.” States are required to “make reasonable progress toward meeting the national goal”. In determining whether a given implementation plan provides for reasonable progress, states shall consider the following four factors:

- (1) costs of compliance;
- (2) time necessary for compliance;
- (3) energy and non-air quality environmental impacts of compliance; and
- (4) remaining useful life on any existing source subject to such requirements.

In addition, in its 1999 visibility rule, USEPA required consideration of a fifth factor (i.e., uniform rate of improvement needed to attain the visibility goal by 2064).

Contractor assistance is needed in examining the four factors needed to determine reasonable progress for regional haze for the next implementation period (i.e., by 2028). Contractor assistance to examine the fifth factor (i.e., uniform rate of improvement needed to attain the visibility goal by 2064) is not requested at this time. The tasks associated with this project are as follows:

- (1) Review existing information, including available guidance documents (“Guidance for Setting Reasonable Progress Goals Under the Regional Haze Program”, June 1, 2007), and available relevant technical analyses (“Reasonable Progress for Class I Areas in the Northern Midwest – Factor Analysis”, July 18, 2007, http://www.ladco.org/reports/rpo/consultation/products/reasonable_progress_for_class_i_areas_in_the_northern_midwest-factor_analysis_draft_final_technical_memo_july_18_2007.pdf). Based on this information, provide a final work plan, with technical activities, schedule, and deliverables.

- (2) Identify appropriate emission control options for priority source categories and sources. A preliminary list of priority source categories and sources may consist of the following:

(a) **Source Categories – up to 4 categories**

- Industrial, Commercial, and Institutional Boilers (SO₂ and NO_x emissions) at paper mills and sugar beet manufacturing facilities
- Pipeline Transportation of Natural Gas (NO_x emissions)
- Cement plants
- Lime plants

(b) **Sources – up to 10 individual facilities (SO₂ and NO_x emissions)**

The contactor will identify appropriate emission control options for significant emission units at priority individual facilities specified by LADCO and the LADCO States, based on 2011 (or more recent) base year emissions, information on expected future year emissions, and proximity to the northern Class I areas. It is recognized that the level of review for individual facilities is constrained by the amount of available funding and is expected to be less than a BART-level review.

- (3) Develop a methodology for conducting appropriate economic and engineering analyses to assess the costs, compliance timeframe, energy and non-air quality environmental impacts, and remaining useful life for affected sources. There may be differences in the methodology for evaluating a source category vs. an individual facility.

The methodology should consider, but should not necessarily be limited to, EPA's Control Strategy Tool (CoST) and other similar information. Suggestions for the most complete, up-to-date, and reliable tools and databases are encouraged.

- (4) Evaluate the control strategy options (identified in Task 2) by applying the methodology for the four factor analysis (developed in Task 3). The result of this evaluation will be information on the four factors for each control strategy option. Appropriate comparisons and summaries of this information should be provided.
- (5) Provide a technical memorandum on the methodology for the four factor analysis, and a report on the assessment for each control strategy option.

Level of Effort

The amount of funding for this work is \$40,000. All work must be completed no later than September 30, 2015. Additional funding and time considered necessary to conduct a more complete analysis should be included as options to the primary work effort.

Deliverables

A kick-off conference call will be held after the contract is awarded to review the scope of work and schedule. The final project work plan will be due two weeks after the kick-off call. The work plan shall include a QAPP. An electronic copy (WORD or pdf) of the work plan shall be delivered to LADCO's Executive Director.

Periodic conference calls (in lieu of written progress reports) will be held, as needed, to review the status of the work and discuss any outstanding issues.

Complete draft electronic data files and documentation (technical memorandum) shall be delivered to LADCO's Executive Director. An electronic copy of the draft technical memorandum (word or pdf) is required.

Final complete electronic data files and documentation (technical memorandum) shall be delivered to LADCO's Executive Director. An electronic copy and three (3) paper copies of the final technical memorandum (Word or pdf) is required.

Key Personnel

Please identify in your proposal the key personnel for performing this work. Please specify the amount of time for key personnel by task. Any change in key personnel shall be made only with prior written approval of LADCO's Executive Director. These conditions pertain to both prime contractor and subcontractor personnel.

Evaluation Criteria

Evaluation and rating of proposals will be based on the following criteria:

1. The proposal demonstrates a thorough understanding of the overall objectives of the project.
2. The proposed technical approach, completeness of coverage with respect to the scope of work, and responsiveness to the estimated budget and schedule.
3. The experience, expertise and other qualifications of the principal investigator and other key personnel assigned to the project and the level of effort proposed for the principal investigator and other key personnel.