

**Air Quality Improvement Program (AQIP)
Advanced Technology Demonstration Projects:
Reduce Main Engine Usage or Demonstrate Emission Reducing Technologies
While Maintaining Vessel Operational Requirements on a Marine Vessel
Applicant Workshop April 6, 2011**

Stakeholder Questions and Air Resources Board (ARB) Staff Responses

Clarifying Questions on the Solicitation

Q: Any chance the application deadline can be moved a week later?

A: No. This is a competitive solicitation; hence all applications need to be received by ARB by the date and time indicated in the solicitation.

Q: If two vessels are contenders to participate in the demonstration project and the specific vessel is yet to be determined, can we still submit an application?

A: Yes, a valid application can be submitted. Identify the two vessels in the application as the potential vessels for the project and the scoring team will ask a clarifying question when the application reaches the review portion of the process. Applications that do have specific commitments from vessel operators for inclusion in the demonstration project will be scored higher than those that do not have specific vessels identified in the application package.

Q: Would a retrofit project to reduce PM and NOx qualify for this project?

A: Yes.

Q: Are there any specific engine sizes or configurations that are the primary target of the solicitation?

A: No, however, some vessel types may provide larger emission reductions than others, due to engine size and hours of operation.

Q: Can the demonstration be done on a single-cylinder engine or must it be full sized?

A: The proposed project needs to have a practical field demonstration. Additionally, demonstration project funds cannot be used for design-only projects. If the single-cylinder engine demonstration is a phase that is part of a larger demonstration project then it could be considered as part of the application, but its costs need to be included in the cost effectiveness calculation.

Q: Can the field demonstration take place in Europe?

A: Yes, however, the grantee needs to be a California-based public agency, and its oversight role may be complicated by a field demonstration so far from its base of operations.

Q: Do we need to use all the tables in Appendix C?

A: No, use only the tables that pertain to your project proposal.

Q: Can the \$700,000 maximum grant amount be split between more than one Grantee?

A: Yes, one or more projects may be selected from this solicitation.

Q: If match funds are not secured until after the application deadline, will the proposal be disqualified?

A: No. Indicate in the application that match will not be secured until a later date and staff will follow up during the review period with a clarifying question. Projects that do have match funding in place by the time the application is submitted will be scored higher than those that do not have all funding sources secured at the time of application submittal.

Q: What is the definition of ROG? What is the purpose of including ROG in the calculations?

A: According to the ARB, reactive organic gases (ROG) are defined as photochemically reactive chemical gases composed of non-methane hydrocarbons that may contribute to the formation of smog. We evaluate potential projects cost effectiveness based on Carl Moyer Program methodologies, this helps to maintain consistency between the two programs. AQIP Advanced Technology Demonstration Projects are designed to fund projects that reduce criteria pollutants. ROG is a criteria pollutant and is therefore included as a pollutant of consideration in the cost effectiveness calculation, consistent with AQIP's stated goals and with Carl Moyer cost effectiveness methodologies. However, with most projects that include the use of diesel engines, NOx and PM are more significant contributors to than ROG to criteria pollutant emissions.

Q: Can an application be submitted from a public agency even though they need Governing Board approval before submission and the next Governing Board meeting is not until after the submission deadline of April 22, 2011?

A: Yes. The application needs to be submitted before the deadline as indicated in the solicitation package. However, it should be indicated in the application, it is contingent upon pending Governing Board approval.