

**Air Quality Improvement Program (AQIP)
Advanced Technology Demonstration Projects:
Ultra-Low Emitting Locomotive Emission Levels**

Applicant Workshop April 19, 2011

On April 19, 2011, the Air Resources Board (ARB) held an Advanced Technology Demonstration Project Applicant Workshop to answer questions regarding the FY 2010-11 Ultra-Low Emitting Locomotive Emission Levels Grant Proposal Solicitation (solicitation). This document provides ARB responses to stakeholder questions at the workshop.

Clarifying Questions on the Solicitation

Q: Will the solicitation cover non-locomotive engine testing or demonstration of the engine alone?

A: No, AQIP demonstration projects need to have a practical field demonstration. See next question for further clarification.

Q: Is it allowable for the sake of the field demonstration to include in the cost-effectiveness calculation the baseline emission testing of the engine outside of the locomotive, as well as emission testing during the field demonstration?

A: Yes, it is allowable to have a baseline emission test of the engine as part of a larger project that includes emission testing during the field demonstration.

Q: Will projects that only reduce particulate matter (PM) emissions be considered as an eligible project.

A: Yes, however projects that can provide nitrogen oxide (NO_x) emission reductions to the Ultra-Low Emitting Locomotive emission level or lower will be given first priority to demonstration project funds. If additional demonstration project funds remain after eligible NO_x projects have been reviewed and potentially selected, then PM reducing projects will be considered for the remaining funds.

Q: Will reductions in greenhouse gas emissions and alternative fuel usage be considered in the scoring of the proposed project?

A: Criteria pollutant emission reductions is the goal of the demonstration project however, AQIP demonstration projects that reduce criteria pollutants as well as GHG emissions can be given extra consideration.

Q: To what extent will the ARB take into account whether or not the railroads want to adopt a specific technology?

A: The goal of the AQIP Advanced Technology Demonstration Projects is to demonstrate technologies that can provide cost-effective emission reductions of technologies that can have wide applicability in the California marketplace, therefore consideration of the level of railroads' potential acceptance is very important.

Q: Will the ARB accept a company's commercialization schedule for a specific new engine design into account when scoring a proposal?

A: Yes, the ARB will accept a company's commercialization schedule for specific technologies however, technologies funded under this demonstration need to be on the cusp of commercialization, which is defined in the solicitation as being commercially available three years from the completion of the demonstration project. Careful consideration will be given to any claims of the availability of any technology that has not yet undergone critical research and development, as well as emission testing.