

**Air Resources Board
First Year Potential AQIP Demonstration Projects**

Locomotive Category

December 18, 2008

Project	Description	Initial Staff Comments
Switcher DPF	Retrofit Existing Switcher Locomotive Gen-Sets With DPFs	Applicable to Large Population
Medium Horsepower DPF	Retrofit Existing Medium HP Locomotives With DPFs	Applicable to Large Population
Switcher SCR	Retrofit Existing Switcher With SCR	NOx reductions, Applicable to Large Population
Medium Horsepower SCR	Retrofit Existing Medium HP Locomotive With SCR	NOx reductions, Applicable to Large Population
ALECs	Advanced Locomotive Emission Control System: Stationary Bonnet System	Beyond Demonstration Phase, Available for Prop 1B Funds, Credit Generation
Fuel Cell Locomotive	Fuel Cell Powered Locomotive	Not Ready for Demonstration
AHL Ethanol Locomotive	Ethanol Fueled Hybrid Locomotive	Emission Testing on Ethanol Fuel, Fuel Availability
Pre-heated fuel	Fuel Preheating Before Injection	May Constituent A Change in Fuel Specifications, Need More Information

Above are listed the initial ARB and working group members ideas for potential AQIP demonstration projects, we encourage all stakeholders to provide input on this list of potential demonstration projects and ideas for additional potential demonstration projects

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