

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

December 3, 2008

Category	Description
Locomotive	
DPF Retrofits	Retrofit existing switchers or medium horsepower locomotive Gen-Sets with DPFs
Engine repower	Repower medium or high horsepower locomotives with DPF retrofitted 2 or 4-stroke engines
Marine	
Tugboat Hybrid Retrofit	Retrofit existing tugboats with a hybrid battery system
Wind Assist	Retrofit existing vessels with sails to reduce main engine operation
Alternative Marine Power	Provide grid power to vessels when docked to eliminate need for auxiliary engine operation
Agriculture	
Harvesting Efficiencies	Demonstrate agriculture equipment that reduce criteria pollutant emissions
Transit/School Bus	
Fuel Cell Transit Bus	Zero emission transit buses in revenue service
Battery-Electric Transit Bus	Zero or near zero emission transit buses in revenue service
Battery-Electric School Bus	Zero or near zero emission school buses transporting students home to school
Other	
Fuel Cell Forklifts	Fuel cell forklifts in industrial or warehouse operations
Electrified RTG Cranes	Electric powered rubber tire gentry (RTG) cranes
Other	Stakeholder Ideas

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