

CalTrans Green Fleet Demonstration (Planned)

Description: A test fleet of 4-10 on-road trucks owned and operated by the California Department of Transportation (CalTrans) will be chosen for a pre-demonstration project in an effort to support a two-year demonstration of up to 600 CalTrans trucks and diesel particulate trap systems. The far-reaching goal of CalTrans is to play a leadership role in reducing tailpipe emissions from their entire vehicle fleet throughout California. Ultimately, up to 2,200 vehicles will be retrofitted. Once funding for the program is approved by the State, CalTrans will work to aggressively retrofit diesel-powered vehicles within their fleet with an advanced filter trap system and to operate on low-sulfur fuel. If approved, the program will involve the support of ARB to monitor the retrofit strategies and provide emission testing analysis for the program. The pre-demonstration program is expected to begin in January 2001, and will run for approximately six months.

Participants CalTrans, ARB, BP, Johnson-Matthey, Engelhard, Ceryx

Funding: CalTrans, ARB, BP Amoco, Johnson-Matthey, Engelhard, Ceryx

Vehicles: Various manufacturers

Engines: Various manufacturers

Status: ARB and CalTrans staff are currently identifying appropriate test vehicles for the pre-demonstration. Not only is it hoped to identify a few vehicles that accurately represent a sizeable fraction of the CalTrans fleet, but it is also necessary to identify operating strategies that offer the greatest emission reduction possible. A kick-off meeting between CalTrans and ARB officials will be held sometime in January 2001.

Diesel Activities: Mobile Vehicles and Equipment