

SACRAMENTO METROPOLITAN AIR QUALITY MANAGEMENT DISTRICT

For the agenda of: January 22, 2004

To: Board of Directors
Sacramento Metropolitan Air Quality Management District

From: Norm Covell
Air Pollution Control Officer

Subject: Sacramento Emergency Clean Air and Transportation (SECAT)
Monthly Project Status Update
January, 2004

Recommendation Receive and file this report on the status of the Sacramento Emergency Clean Air and Transportation Program (SECAT).

	#Engines	On-road t/d	Off-road t/d	TOTAL
SECAT	711	1.03	0.00	1.03
SECAT (Flash)	707	0.27	0.00	0.27
Moyer, DMV, Msr A	1425	0.17	2.73	2.90
Emulsified Fuel	70	0.004	0.006	0.01
AB28X	102	0.00	0.33	0.33
TOTAL	3015	1.47	3.07	4.54

Program
November/
December/
January

An application was submitted in December to SACOG requesting \$3.1 million dollars from the CMAQ Air Quality Funding Program to be used for SECAT projects. Final word from SACOG on the award amount should be within the next couple of months. Match funding from the participating air districts is approximately \$400,000. Estimated emission reductions would be 70 tons of NOx and 14.4 tons of PM per year. The school bus repower project is moving forward and several buses have now been completed. The additional \$1 million that remained in the SECAT fund has now been fully allocated towards Fleet Modernization projects.

The Prop 40/Moyer program is fully allocating the \$1.98 million CARB allotment for fiscal year 2002/2003. Most of these repower projects are now at Tier 2 emission levels, which is the lowest emitting off-road diesel engines currently available. A project of significance involves two scrapers being repowered from uncontrolled engines to Tier 2 engines. The two scrapers combined will reduce NOx emissions by 11.3 tons and PM emissions by 0.91 tons per year. Total cost of the project is \$120,000 with a one-year NOx cost effectiveness at \$10,550 per ton. This is about one-fifth the cost of a typical SECAT Fleet Modernization project. The scraper involved is very common in the region and it is anticipated that once this project is completed several other companies may wish to participate in the program.

The District applied for and received a grant from the U.S. Environmental Protection Agency for \$100,000 to fund the purchase and installation of diesel particulate matter control devices on Fleet Modernization vehicles. Upon selecting a vendor through a RFP process, staff estimates that up to 50 vehicles will be retrofitted to further reduce diesel PM. This will result in a reduction of 2 tons of PM and 10 tons of ROG emissions by 2007. The District was one of six agencies in the United States selected for this grant and the only one in California. This grant will be the District's first PM focused program.

Respectfully submitted,

Norm Covell
Air Pollution Control Officer