



SACOG Board of Directors

February 9, 2006

Allocation Requests for Diesel Engine Retrofits and Alternative Fuel Vehicle Purchases under the Sacramento Emergency Clean Air and Transportation (SECAT) Program

Issue: The SECAT program has received requests from three regional fleets to help fund diesel engine retrofits and new alternative fuel vehicle purchases.

Recommendation: The Transportation Committee recommends that the SACOG Board of Directors approve approximately \$3.5 million in SECAT funds for the purchase of 5 new LNG refuse trucks for the City of Sacramento, 102 diesel retrofits for Ozark Trucking, 68 diesel retrofits for SYSCO Food Services of Sacramento, and 32 diesel retrofits for the City of Sacramento.

Committee Action/Discussion: When the SECAT program was first set up, criteria were established that allowed staff to approve any project that came in under a cost-effectiveness of \$50,000 per one-year ton of NOx reduced. Any project submitted that would cost more per ton than this standard would require SACOG Board review and approval. The SECAT program previously funded the purchase of low emission LNG refuse trucks for the City and County of Sacramento, and the overall cost effectiveness of \$200,000/1-yr ton NOx is similar to the level used to fund other alternative fuel projects in the region. Staff is recommending that the SACOG Board approve an allocation of \$142,015 towards the purchase of 5 LNG refuse trucks for the City of Sacramento, with an estimated one-year cost-effectiveness of \$191,400 per ton.

The SECAT program has also received applications to fund the retrofit of three major diesel vehicle fleets in the Sacramento region. Ozark Trucking, SYSCO Food Services of Sacramento, and the City of Sacramento are proposing to retrofit over 200 of their heavy-duty diesel trucks with the Cleaire Longview retrofit system that reduces NOx emissions by 25% and nearly eliminates all diesel particulate matter (soot) from their exhaust. The overall one-year cost effectiveness for these projects is approximately \$150,000 per ton – exceeding the \$50,000 per ton standard, but their significant reductions in both NOx and toxic diesel soot will make a large effort in improving regional air quality. Staff is recommending that the SACOG Board approve an allocation of \$2,000,000 towards the purchase of 102 diesel retrofits for Ozark Trucking, \$1,000,000 towards the purchase of 68 diesel retrofits for SYSCO Food Services of Sacramento, and \$320,000 towards the purchase of 32 diesel retrofits for the City of Sacramento with an overall estimated one year cost-effectiveness of \$150,000 per ton.

Approved by:

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Executive Director

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