

CLEAN CITIES/CLEAN VEHICLES PROGRAM AGREEMENTS

Background

The Clean Cities/Clean Vehicles Program is designed to offset the added cost of purchasing or converting principally heavy-duty diesel vehicles to cleaner emitting vehicles. The primary goal of the program is to reduce nitrogen oxides (NOx), volatile organic compounds (VOC) and particulate matter (PM) emissions for purposes of the State Implementation Plan. Federal funds for the offset are provided by H-GAC through the Congestion Mitigation/Air Quality (CMAQ) program.

H-GAC requires that Clean Cities/Clean Vehicles proposals meet cost effectiveness emission reduction criteria established for the program.

Current Situation

H-GAC staff has evaluated two proposals. These proposals meet emissions and cost-effectiveness criteria. H-GAC staff recommends contracting with two entities for a total amount not to exceed \$337,699.19 of CMAQ funds to replace/retrofit 7 engines for a total emissions reduction of 5.6686 tons of NOx per year.

Funding source: TxDOT, CMAQ funding

Budgeted: Yes

Action Requested

Request authorization to enter into agreements with recommended entities for the acquisition of cleaner vehicles and retrofits; amount not to exceed \$337,699.19.

Applicant	Project Summary	Proposed Total Project Cost	CMAQ amount	Total NOx Emission Reductions Received (tons/year)¹	Capital Cost Effectiveness (\$/tpy)²	Matching Funds Source
R.S. Concrete LLC	Replace five existing heavy-duty diesel engines that meet or exceed 2007 engine emission standards	\$364,000	\$64,699	0.693 tpy	\$70,000	Local
Advanced Gas	Replace two existing heavy-duty diesel engines that meet or exceed 2007 engine emission standards	\$120,000	\$273,000	4.8315tpy	\$54,989	Local

¹ Estimated emission reduction based upon EPA's MOBILE6 mobile emissions model.

² Cost effectiveness is in terms of the capital cost for the CMAQ-funded portion of the project per emission reductions (in tons of NOx per year).