

## 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 (NO<sub>x</sub>), 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 NO<sub>x</sub> 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.

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

<sup>1</sup> Estimated emission reduction based upon EPA's MOBILE6 mobile emissions model.

<sup>2</sup> 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).