

**TRANSPORTATION CONTROL MEASURES AND VOLUNTARY MOBILE
SOURCE EMISSION REDUCTION PROGRAMS FOR THE
HOUSTON-GALVESTON-BRAZORIA (HGB) STATE IMPLEMENTATION
PLAN**

Background

In 2007, the Texas Commission on Environmental Quality (TCEQ) requested that H-GAC begin work to formulate mobile control strategies for the 8-hour Ozone Attainment Demonstration State Implementation Plan (SIP) for the Houston-Galveston-Brazoria region. H-GAC is responsible for establishment and oversight of voluntary control strategies to be contained in the SIP. Transportation control measures (TCMs) are project specific on-road voluntary strategies that reduce vehicle use or improve congestion. The benefit of designating projects as TCMs is that they may continue in the event of a conformity lapse, but their project scope, timeline, and emission reductions must be maintained in order to fulfill the requirements of the SIP.

Voluntary Mobile Source Emission Reduction Programs (VMEPs) are programs that also have the potential to contribute to emission reductions. VMEPs are not project specific, and are more flexible than TCMs. However, it is mandatory that the overall program achieve the emission reductions specified in the SIP. The VMEPs for the current 2009 SIP are attached. For further information regarding possible future VMEPs, please visit our website:

<http://www.h-gac.com/taq/airquality/sip/mobile/default.aspx>.

Current Situation

A TCM/VMEPs Working Group was formed by local government representatives to evaluate projects in the current Transportation Improvement Plan (TIP) for possible TCM and VMEP status. Project Sponsors' volunteered or advised against upgrading their project(s) to TCM status. The Technical Advisory Committee and H-GAC Staff reviewed the responses, and narrowed the possible candidates to the attached list.

Staff recommends that the Transportation Policy Council review the attached TIP projects for TCM consideration. Projects designated as TCMs will be monitored through completion, their estimated emissions reductions will be recorded in the SIP for the life of the project.

POSSIBLE TRANSPORTATION CONTROL MEASURE PROJECTS FROM TIP

CSJ #	Sponsor	Street	Description
0912-72-145	Greater Southeast Management District	Holman	Pedestrian Improvements
0912-72-146	Greater Southeast Management District	Elgon, Ennis, Alabama	Pedestrian Improvements
0912-72-147	Uptown Houston Association	Westheimer	Pedestrian / Transit Improvement Program
0912-37-194	The District (Brazos Transit)	Woodlands Town Center	Woodlands Town Center Transit Corridor ADA Enhancement Program

**CURRENT VOLUNTARY MOBILE EMISSION REDUCTION PROGRAM
 COMMITMENTS FOR HGB REGION**

Measure	Description	VOC Commitment (tpd)	NOx Commitment (tpd)
Regional Computerized Traffic Signal System	Average speed on local streets increased by 21%	0.004	0.001
Locomotives/ Clean Air Action	MOA	0.10	2.0
Commercial Marine/ Clean Air Action	Tugs/Tows–MOA Ferries–MOA	0.0	1.14
Vehicle Scrappage/ Clean Air Action	Emission reductions through repair or replacement of high emitting vehicles.	0.26	0.25
Smoking Vehicle/ Clean Air Action	TCEQ program – marketing and advertising by H-GAC	0	0
Clean Cities / Vehicles Program	Public and private heavy-duty engine/vehicle	0.06	4.0
Commute Solutions	Van pools, additional transit, alternative commuting	0.38	0.37

Total VMEP Reductions (end of 2007)	0.8	7.76
Total VMEP Reductions (end 2007) with 2009 expired projects removed	0.8	6.39
SIP Commitment: Total Emission Reductions needed by end of 2009	0.8	9.82