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SIP Revision: Vehicle Miles Traveled (VMT) Offset, Houston-Galveston (HGA), October 27, 1993

On October 27, 1993, the Texas Natural Resources Conservation Commission (TNRCC) adopted a State Implementation Plan (SIP) revision to fulfill the state's 1992 commitment to adopt a plan to reduce VMT in the HGA area.

Summary of the SIP Revision

Adoption Date: 10/27/1993

EPA Approval Date: 11/14/2001 ([66 FR 57247](#))

Background: The Texas Natural Resource Conservation Commission (TNRCC), a new agency combining the Texas Air Control Board (TACB) and the Texas Water Commission (TWC), adopted a revision to the SIP to identify specific and enforceable transportation control measures (TCM) to offset increases in emissions resulting from growth in VMT or number of vehicles trips in the HGA ozone nonattainment area. This SIP revision was required by the 1990 Federal Clean Air Act (FCAA) amendments for severe and higher nonattainment areas for the one-hour ozone standard. The HGA area was the only area in Texas for which this requirement applied. A "committal" SIP revision was adopted in October 1992. The TNRCC adopted this SIP revision to fulfill the Commission's 1992 commitment.

Key Changes:

This SIP revision projected an emissions profile for the HGA area for each year through 2010, including:

- Effects of the Federal Motor Vehicle Control Program;
- The existing inspection and maintenance (I/M) program;
- The Reid vapor pressure (RVP) controls;
- The reformulated gasoline program;
- The Employer Trip Reduction (ETR) program;
- Stage II vapor recovery requirements; and
- The Clean Fuel Fleet program.

The lowest point in these emissions projections, after which growth in VMT would result in increased on-road emissions despite these emissions reductions, which would be the mobile source emissions ceiling.

VMT offset strategies included an enhanced I/M program and TCMs. The emissions reductions from these control measures had not yet been fully quantified. These TCMs included high-occupancy vehicle (HOV) lanes, arterial traffic flow improvements, park-and-ride lots, transit improvements, area-wide ride share, and intelligent vehicle highway systems. The SIP revision



also incorporated provisions making TCM commitments enforceable and ensuring that priority would be given to transportation projects improving air quality in federal funding.

SIP Narrative and Appendices

Files linked from this page are in Portable Document Format ([PDF](#)).

Vehicle Miles Traveled Offset SIP Revision

- [VMT Offset SIP Revision](#)