

**2002-2004 TIP  
APPENDIX B**

**CONFORMITY ANALYSIS  
Executive Summary**



## Conformity Analysis - Executive Summary

The Houston-Galveston Area Council (H-GAC) has conducted an analysis of the conformity of the 2022 Metropolitan Transportation Plan with the State Implementation Plan's ozone Rate-of-Progress Motor Vehicle Emission Budget (MVEB) for the Houston-Galveston ozone nonattainment area. The analysis, undertaken in accordance with procedures established under federal and state regulation and guidance, comprised the estimation of projected vehicular emissions for the region for various future time periods. The purpose of the analysis was to demonstrate that future transportation plans are consistent with the state's air quality goals for the region. This analysis covers the programming years included in the 2002-2004 Transportation Improvement Program.

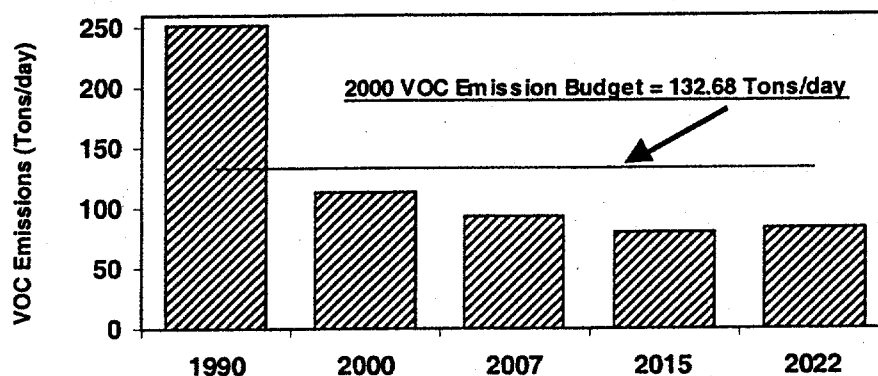
The results of the conformity analysis, shown in Figure 1, indicate that the transportation projects outlined in the 2022 Metropolitan Transportation Plan adhere to regional air quality targets and requirements. The graph provides data for the four analysis years of the conformity analysis, 2000, 2007, 2015, and 2022. This data also shows the relationships of each of the scenarios to the Motor Vehicle Emissions Budget for the region and to 1990 emissions levels. As the data illustrate, the emissions levels predicted in each analysis year are less than the emission budget of 132.68 tons VOC per day and 283.01 tons NOx per day. In addition, the emissions in each of the analysis years fall below 1990 emission levels, meeting the second of the two conformity criteria.

The results of the conformity determination show that the 2022 Metropolitan Transportation Plan for the Houston-Galveston Transportation Management Area (TMA) meets the requirements of the State Implementation Plan (SIP), the Clean Air Act (42 U.S.C. 7504, 7506 (c) and (d)) as amended on November 15, 1990 and the final conformity rule (40 CFR Parts 51 and 93).

For a more detailed description of the conformity analysis, please refer to the conformity analysis summary in Appendix E of the 2022 Metropolitan Transportation Plan.

## Conformity to the May 1998 ROP

### SIP: VOC Emissions (Tons/day)



## Conformity to the May 1998 ROP

### SIP: NOx Emissions (Tons/day)

