

Technical Report
LAX Master Plan Supplement to the Draft EIS/EIR

**S-4. Supplemental Air Quality
Technical Report**

June 2003

Prepared for:

Los Angeles World Airports

Federal Aviation Administration
U.S. Department of Transportation

Prepared by:

Camp Dresser McKee Inc.

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1. INTRODUCTION

This Technical Report was prepared to provide additional technical details and data supporting the air quality impact analyses performed for the LAX Master Plan Supplemental EIS/EIR. These analyses included the preparation of an airport emissions inventory, an airport area dispersion analysis, a regional traffic emissions inventory, a roadway intersection analysis, a construction emissions and dispersion analysis, and a quantitative assessment of potential air quality mitigation measures. The supporting detail found in this report is in the form of various attachments, which contain much of the original data and values for variables used in the analyses, along with some unique reference materials which may not be readily accessible elsewhere.

The air quality impact analysis for the LAX Master Plan Supplemental EIS/EIR were conducted in accordance with U.S. Environmental Protection Agency (USEPA) and Federal Aviation Administration (FAA) guidelines for assessing airport environmental impacts under the National Environmental Policy Act (NEPA) and with South Coast Air Quality Management District (SCAQMD) guidelines for evaluation air quality impacts under the California Environmental Quality Act (CEQA). References to these guidelines, associated source materials, and the methodologies developed to meet the guidelines are discussed in Section 4.6, Air Quality, and in Appendix E, Air Quality Impact Analysis, of the Supplemental EIS/EIR.

The basic steps followed in conducting the air quality impact analyses for Alternative D follow the steps laid out for the No Action/No Project Alternative, and Alternatives A, B, and C as presented in the Draft EIS/EIR (January 2001). Impacts for Alternative D were quantified using these steps for the 2013 and 2015 horizon years. Other steps in the analyses included the estimate of future background concentrations, the estimation of interim year (years other than 2013 and 2015) emissions and concentrations, and the identification of potential mitigation measures. Much of the data used in these steps are included in this report.

The analysis for Alternative D included an identification of all on- and off- airport emission sources associated with LAX as detailed in the Technical Report 4, *Air Quality Technical Report* of the Draft EIS/EIR. The FAA's Emissions and Dispersion Modeling System (EDMS), the California Air Resources Board's EMFAC2002, and the USEPA's Industrial Source Complex Short Term (ISCST3) model were all again utilized for the analyses included in this Supplemental EIS/EIR.

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Attachment A

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Attachment B
Temporal Factors for Mobile and Stationary Sources

Table B1

Year 2000

Hour	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
DEFAULT	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
100-24Pass	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
319-24Pass	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.0000	0.0000	0.0000	0.0000	1.0000	0.0000	0.0000	1.0000	0.0000	0.0000	0.0000	0.0000	1.0000	0.0000
320-24Pass	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.4000	0.2000	1.0000	0.0000	0.2000	0.8000	0.0000	0.4000	0.6000	0.2000	0.0000	0.4000	0.6000	0.2000	0.0000	0.2000
727-24Pass	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
72S-24Pass	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
733-24Pass	0.0000	0.0000	0.0000	0.0000	0.0000	0.1000	0.0000	0.8000	0.7000	0.4000	0.7000	0.5000	0.8000	0.5000	0.6000	0.5000	0.6000	0.5000	1.0000	0.2000	0.7000	0.5000	0.0000	0.0000
734-24Pass	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.5000	0.0000	0.5000	0.5000	0.0000	0.5000	0.5000	0.0000	1.0000	0.0000	1.0000	1.0000	0.5000	0.0000	0.0000	0.0000
735-24Pass	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.3333	0.6667	0.6667	0.3333	0.6667	0.3333	0.0000	0.6667	0.3333	0.3333	0.6667	0.3333	1.0000	1.0000	0.6667	0.6667	1.0000	0.0000
737-24Pass	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.0000	0.0000	1.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
738-24Pass	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.5000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
73G-24Pass	0.0000	0.0000	0.0000	0.0000	0.0000	0.2000	0.0000	1.0000	0.4000	0.2000	0.2000	0.2000	0.8000	0.6000	0.2000	0.4000	0.4000	0.0000	0.4000	0.2000	0.4000	0.0000	0.4000	0.0000
73S-24Pass	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.0000	0.0000	1.0000	0.0000	0.0000	0.0000	1.0000	0.0000	0.0000	1.0000	1.0000	0.0000	0.0000	1.0000	0.0000	1.0000	0.0000	0.0000
742-24Pass	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.0000	0.0000	0.0000
744-24Pass	1.0000	0.3333	0.6667	0.3333	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.3333	0.3333	1.0000	0.3333	0.0000	0.0000	0.0000	0.0000	0.0000	0.3333	0.0000	0.6667
747-24Pass	0.0000	0.0000	1.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.0000	0.0000	0.0000	0.0000	0.0000	1.0000	1.0000
74E-24Pass	0.0000	0.0000	1.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
757-24Pass	0.0000	0.2000	0.0000	0.0000	0.0000	0.0000	0.2000	0.4000	0.4000	0.6000	0.2000	0.4000	0.6000	0.4000	0.2000	0.2000	0.0000	0.2000	0.0000	0.0000	0.0000	0.2000	1.0000	0.4000
762-24Pass	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
763-24Pass	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.0000	0.0000	0.0000	1.0000	1.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.0000
767-24Pass	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.0000	0.0000	1.0000	0.0000	0.0000	0.0000	0.0000
777-24Pass	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.0000	0.0000	0.0000	0.0000	0.0000	0.0000
D10-24Pass	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.0000	0.0000	0.0000	1.0000	1.0000	0.0000	1.0000	0.0000	1.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
D9S-24Pass	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
EM2-24Pass	0.0667	0.0000	0.0000	0.0000	0.0000	0.0000	0.4000	0.0667	1.0000	0.6000	0.4667	1.0000	0.2667	0.7333	0.8000	0.6000	0.6667	0.4667	0.6000	0.7333	0.8000	0.3333	0.8667	0.0667
F28-24Pass	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.0000	0.0000	0.0000	0.0000	0.0000	1.0000	0.0000	0.0000	0.0000	0.0000	1.0000	0.0000	0.0000	0.0000	0.0000
L10-24Pass	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.5000	0.0000	0.0000	1.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
M11-24Pass	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.0000	1.0000	0.0000	0.0000	0.0000	1.0000	1.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
M80-24Pass	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.1667	1.0000	0.5000	0.1667	0.8333	0.6667	0.3333	0.6667	0.3333	0.1667	0.3333	0.3333	0.3333	0.0000	0.6667	0.3333	0.1667	0.0000
M90-24Pass	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.0000	0.0000	0.0000	0.0000	0.0000
SF3-24Pass	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.3333	0.3333	0.5000	1.0000	0.3333	0.6667	0.6667	0.3333	0.6667	0.3333	0.8333	0.6667	0.5000	0.5000	0.5000	0.5000	0.8333	0.0000

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Table B1

Year 2000

Hour	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
100-25Pass	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.0000	0.0000	0.0000	0.0000	1.0000	0.0000	0.0000	0.0000	0.0000	0.0000
319-25Pass	0.5000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.0000	1.0000	0.5000	0.5000	0.5000	1.0000	0.5000	1.0000	0.0000	0.0000	1.0000	0.5000	0.0000	0.0000	0.5000
320-25Pass	0.2857	0.2857	0.1429	0.0000	0.0000	0.0000	0.0000	0.0000	0.1429	0.4286	0.4286	1.0000	0.1429	0.1429	0.2857	0.0000	0.2857	0.4286	0.0000	0.1429	0.0000	0.0000	0.4286	0.5714
332-25Pass	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.0000	0.0000	0.0000	0.0000	0.0000	0.0000
340-25Pass	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.0000	0.0000	0.0000
342-25Pass	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.0000	0.0000
72S-25Pass	0.0000	0.5000	0.0000	0.0000	0.0000	0.0000	0.0000	1.0000	0.5000	0.5000	0.0000	0.0000	0.5000	0.5000	0.5000	0.5000	0.5000	0.0000	0.5000	0.5000	0.0000	0.0000	0.0000	0.5000
733-25Pass	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.1667	0.3333	0.6667	0.3333	0.5000	0.5000	0.5000	0.1667	0.5000	0.5000	0.5000	0.3333	0.5000	1.0000	0.6667	0.5000	0.5000	0.0000
734-25Pass	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.0000	0.0000	0.0000	0.0000	0.0000	1.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
735-25Pass	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.6667	0.6667	0.6667	0.3333	0.3333	0.3333	0.6667	0.3333	1.0000	0.6667	0.6667	0.3333	0.6667	0.3333	1.0000	0.3333	0.6667	0.3333
738-25Pass	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.5000	0.5000	0.5000	0.0000	1.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.5000	0.5000	0.0000	0.0000	0.0000	0.0000	0.0000
73G-25Pass	0.0000	0.3333	0.0000	0.0000	0.0000	0.0000	0.0000	1.0000	0.0000	0.3333	0.0000	0.0000	0.3333	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.3333	0.0000	0.3333	0.3333	0.0000
744-25Pass	0.0000	0.0000	0.6667	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.3333	0.0000	0.3333	0.3333	1.0000	0.6667	1.0000	1.0000	0.6667	0.3333	0.0000	0.3333	0.3333	0.3333	0.6667
747-25Pass	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.0000	0.5000	0.5000	0.5000	1.0000	0.5000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
74M-25Pass	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.0000	0.0000	0.0000	0.0000	0.0000	0.0000
752-25Pass	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
757-25Pass	0.2500	0.3750	0.5000	0.0000	0.0000	0.0000	0.5000	0.7500	0.7500	0.5000	1.0000	0.6250	0.6250	0.7500	0.6250	0.8750	0.5000	0.6250	0.6250	0.2500	0.2500	0.3750	0.6250	0.7500
762-25Pass	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.5000	0.5000	0.7500	0.5000	0.2500	0.2500	1.0000	0.0000	0.2500	0.5000	0.0000	0.0000	0.0000	0.0000	0.0000	0.7500	0.2500
763-25Pass	0.0000	0.2000	0.0000	0.0000	0.0000	0.0000	0.0000	1.0000	0.4000	0.4000	0.4000	0.0000	0.6000	0.4000	0.4000	0.4000	0.0000	0.0000	0.4000	0.2000	0.0000	0.0000	0.2000	0.4000
767-25Pass	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.5000	0.0000	0.0000	0.0000	0.5000	1.0000	0.5000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.5000
777-25Pass	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.0000	0.0000	0.0000	0.5000	0.0000	0.5000	0.5000	0.0000	0.5000	0.0000	0.0000	0.5000	0.5000	0.0000	0.0000	0.0000
CNA-25Pass	0.3333	0.3333	0.3333	0.0000	0.0000	0.3333	0.0000	0.3333	0.6667	0.6667	0.3333	0.6667	0.3333	1.0000	0.3333	0.0000	0.0000	0.0000	0.3333	0.3333	1.0000	0.6667	1.0000	0.0000
D10-25Pass	0.5000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.5000	0.5000	1.0000	0.5000	1.0000	0.5000	0.0000	0.0000	0.5000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.5000
D9S-25Pass	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.5000	0.2500	0.0000	0.2500	0.2500	0.0000	0.2500	0.0000	1.0000	0.0000	0.2500	0.2500	0.0000	0.0000	0.0000	0.2500
EM2-25Pass	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.0000	1.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
GAJ-25Pass	0.2000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.4000	1.0000	0.0000	0.2000	0.0000	0.0000	0.4000	1.0000	0.4000	0.8000	0.2000	0.2000	0.0000	0.0000	0.2000	0.0000	0.2000
L10-25Pass	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.0000	1.0000	1.0000	0.0000	0.0000	1.0000	0.0000	1.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.0000	0.0000	0.0000	1.0000
M11-25Pass	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.0000	1.0000	1.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.0000	0.0000	0.0000
M1M-25Pass	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
M80-25Pass	0.2857	0.2857	0.0000	0.0000	0.0000	0.0000	0.0000	0.1429	0.4286	0.5714	0.7143	0.7143	0.2857	0.4286	0.2857	1.0000	0.1429	1.0000	0.5714	0.8571	0.2857	0.0000	0.2857	0.2857
M90-25Pass	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.0000	0.0000	0.0000	0.0000	1.0000	0.0000	0.0000	0.0000	1.0000	0.0000	0.0000	0.0000

Table B1

Year 2000

Hour	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
SF3-25Pass	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.3333	0.3333	0.3333	0.3333	0.6667	0.3333	0.3333	0.6667	0.3333	0.3333	0.0000	1.0000	0.0000	0.3333	0.0000	0.6667
208-25Cargo	0.0000	0.0000	0.0000	0.0000	1.0000	0.0000	0.0000	1.0000	1.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
300-25Cargo	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.0000
310-25Cargo	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
72Q-25Cargo	0.0000	0.5000	0.5000	0.0000	0.5000	0.5000	0.0000	0.0000	0.5000	0.5000	0.0000	0.5000	0.0000	0.0000	0.0000	0.5000	0.0000	0.0000	0.5000	0.5000	1.0000	0.5000	0.5000	0.5000
741-25Cargo	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.0000	0.0000	0.0000	0.0000	0.0000
744-25Cargo	0.0000	0.0000	0.0000	1.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
752-25Cargo	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.0000	0.0000	0.0000	0.0000
762-25Cargo	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.0000	0.0000	0.0000	0.0000
AB6-25Cargo	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.0000	0.0000	0.0000
D10-25Cargo	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.0000	0.6667	0.3333	0.6667	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.3333	0.3333	0.6667	0.3333
D8Q-25Cargo	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.0000	0.0000	0.0000	0.0000
D9Q-25Cargo	1.0000	0.0000	1.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.0000	0.0000	0.0000	1.0000	0.0000	0.0000	0.0000
DC8-25Cargo	0.0000	0.0000	0.0000	0.0000	1.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
M11-25Cargo	0.0000	0.0000	0.0000	0.0000	0.0000	1.0000	0.0000	1.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.0000	0.0000	0.0000	0.0000
SW4-25Cargo	0.0000	0.0000	1.0000	0.0000	0.0000	0.0000	0.0000	1.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.0000
24L-Queue	0.0000	0.0604	0.0604	0.0604	0.0000	0.0604	0.0868	0.3801	0.7720	0.9216	0.5669	0.6002	0.3737	0.4908	1.0000	0.3280	0.2185	0.1181	0.3208	0.2182	0.2246	0.1257	0.1372	0.0984
24R-Queue	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.0000	0.8333	0.0000	0.5000	0.5000	1.0000	0.3333	0.5000	1.0000	1.0000	0.5000	0.5000	0.5000	0.5000	0.5000	0.0000
25L-Queue	0.2770	0.2770	0.2770	0.2770	0.2770	0.2770	0.3738	0.8881	0.7640	1.0000	0.2770	0.5669	0.3377	0.8506	0.5552	0.4312	0.3273	0.3072	0.2997	0.5272	0.7173	0.5371	0.4787	0.3695
25R-Queue	0.0511	0.0511	0.0511	0.0049	0.0000	0.0000	0.0815	0.3150	0.7268	1.0000	0.6000	0.5089	0.3243	0.8576	0.6554	0.3365	0.1500	0.0639	0.1510	0.0787	0.0832	0.0586	0.0696	0.2883

Source: Camp Dresser & McKee Inc., 2003

S-4. Supplemental Air Quality Technical Report

Table B2

Aircraft-Related Hourly Temporal Factors Alternative D - 2013/2015

Hour	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Default	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
100-24Pass	1.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
319-24Pass	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.0000	0.0000
320-24Pass	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.0000	1.0000	0.0000	0.0000	0.0000	1.0000	1.0000	1.0000	1.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
330-24Pass	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.0000	0.5000	0.5000	0.0000	0.0000	0.0000	0.0000	0.5000	0.0000
340-24Pass	0.0000	0.0000	0.5000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.0000	0.5000	0.5000	0.0000	0.0000	0.0000	0.5000	0.0000
733-24Pass	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.2500	1.0000	0.7500	0.1250	0.5000	0.1250	0.5000	0.0000	0.3750	0.2500	0.2500	0.6250	0.2500	0.5000	0.3750	0.2500	0.1250	0.0000
734-24Pass	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.3333	0.0000	0.3333	0.3333	1.0000	0.0000	0.6667	0.0000	0.0000	0.3333	0.0000	0.0000	0.6667	0.0000	0.3333	0.0000	0.0000
735-24Pass	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.2000	1.0000	0.2000	0.4000	0.0000	0.4000	0.0000	0.4000	0.0000	0.0000	0.0000	0.0000	0.4000	0.0000	0.0000	0.0000	0.0000	0.0000
73S-24Pass	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
744-24Pass	0.1429	0.0000	0.7143	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.4286	0.2857	0.2857	0.7143	0.2857	0.7143	0.4286	0.4286	0.2857	0.0000	0.0000	0.0000	0.4286	1.0000	0.2857
747-24Pass	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.0000	1.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.0000
74M-24Pass	0.0000	0.0000	0.5000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.0000	0.5000	0.0000	0.0000	0.0000	0.5000	0.0000	0.0000	0.5000	0.0000	0.0000	0.0000	0.0000	0.0000
74X-24Pass	0.0000	0.0000	0.3333	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.3333	0.0000	0.6667	0.0000	0.0000	1.0000	0.3333	0.6667	0.3333	0.0000	0.0000	0.0000	1.0000	0.0000
757-24Pass	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.1667	0.2500	0.7500	0.9167	0.5833	1.0000	0.2500	0.6667	0.5833	0.5833	0.9167	0.9167	0.5000	0.7500	0.7500	0.5833	0.4167	0.0833
763-24Pass	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.2500	0.5000	0.0000	0.0000	0.7500	0.2500	0.5000	0.2500	1.0000	0.2500	1.0000	0.0000	0.2500	0.0000	0.0000	0.2500
767-24Pass	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.5000	0.5000	0.5000	0.0000	0.0000	0.5000	1.0000	0.5000	0.0000	0.0000	0.0000	0.0000	0.0000
777-24Pass	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.5000	0.5000	1.0000	0.0000	0.5000	0.0000	1.0000	1.0000	0.5000	1.0000	0.0000	1.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
AB3-24Pass	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.0000	0.0000	0.6000	0.0000	0.4000	0.6000	0.2000	0.0000	0.0000	0.2000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
AT7-24Pass	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.5000	0.0000	0.0000	0.0000	1.0000	0.0000	0.5000	0.0000	0.0000	0.5000	0.5000	0.0000	0.0000	0.0000	0.0000
ATR-24Pass	0.2500	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.2500	0.2500	0.2500	0.0000	0.2500	0.2500	0.0000	1.0000	0.0000	0.5000	0.2500	0.0000	0.2500	0.0000	0.5000	0.0000
BE1-24Pass	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.0000	0.3333	0.0000	0.3333	0.0000	0.6667	0.3333	0.3333	0.3333	0.0000	0.0000	0.6667	0.0000	0.3333	0.0000	0.0000
C50-24Pass	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.0000	0.5000	0.0000	1.0000	1.0000	0.0000	0.5000	0.0000	0.0000	0.0000	1.0000	0.5000	0.0000	0.0000	0.0000
C70-24Pass	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.0000	0.0000
DS7-24Pass	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.3333	0.0000	0.0000	0.6667	0.0000	0.3333	0.6667	1.0000	0.3333	0.3333	0.3333	1.0000	0.3333	0.0000	0.0000	0.0000
EM2-24Pass	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.0000	0.0000	0.5000	0.0000	0.5000	0.0000	0.0000	0.5000	0.5000	0.5000	0.0000	0.0000	0.0000	0.0000	0.5000
EMB-24Pass	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.6667	0.0000	0.0000	0.3333	0.0000	0.3333	0.0000	0.0000	0.3333	0.0000	1.0000	0.0000	0.0000	0.0000	0.6667	0.0000
F50-24Pass	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.3333	1.0000	0.6667	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
F70-24Pass	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.0000	0.0000	1.0000	0.0000
J31-24Pass	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.5000	0.5000	0.0000	0.5000	0.5000	0.0000	0.0000	0.0000	0.0000	0.5000	0.5000	0.0000	0.0000	0.0000	0.5000	1.0000	0.0000
M11-24Pass	0.0000	0.2000	0.0000	0.0000	0.0000	0.0000	0.2000	0.0000	0.4000	0.4000	0.6000	0.0000	0.6000	1.0000	0.6000	0.2000	0.4000	0.2000	0.0000	0.2000	0.2000	0.2000	0.4000	0.2000

Table B2

Aircraft-Related Hourly Temporal Factors Alternative D - 2013/2015

Hour	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
M80-24Pass	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.0000	0.7500	0.2500	0.2500	0.0000	0.2500	0.0000	0.0000	0.0000	0.2500	0.2500	0.5000	0.2500	0.0000	0.2500	0.2500	0.0000
M87-24Pass	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.0000	0.0000	0.0000
M90-24Pass	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.5000	0.0000	0.5000	0.0000	0.0000	0.0000	1.0000	0.5000	0.0000	1.0000	0.0000	0.0000	0.5000	0.0000
M95-24Pass	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.5000	0.5000	0.0000	0.0000	1.0000	0.5000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.5000	0.5000	0.0000	0.0000	0.0000
S20-24Pass	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.5000	0.0000	0.2500	0.0000	0.5000	0.0000	0.2500	0.5000	0.7500	0.0000	1.0000	0.2500	0.5000	0.0000	0.2500	0.0000
S36-24Pass	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.0000	0.0000	0.0000	0.0000	0.0000
SF3-24Pass	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.0000	0.0000	0.5000	0.0000	1.0000	0.0000	0.5000	0.0000	0.0000	0.5000	0.5000	0.0000	0.5000	0.5000	0.0000	1.0000	0.0000
SWM-24Pass	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.2500	0.0000	0.2500	0.0000	0.2500	0.2500	1.0000	0.0000	0.5000	0.0000	0.0000	0.0000	0.0000	0.5000	0.0000	0.5000	0.2500
100-25Pass	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.0000	1.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
310-25Pass	0.5000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.5000	0.0000	0.0000	0.5000	0.0000	0.0000	0.0000	1.0000	0.0000	0.5000	0.0000	0.5000	0.0000	0.0000	0.0000
319-25Pass	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
320-25Pass	0.6667	0.3333	1.0000	0.3333	0.0000	0.0000	0.0000	0.0000	1.0000	0.6667	0.3333	0.3333	0.0000	0.0000	0.3333	0.3333	0.0000	0.3333	0.3333	0.0000	0.0000	0.0000	0.0000	0.0000
330-25Pass	0.5000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.5000	0.0000	0.0000	0.0000	1.0000	0.0000	0.0000	0.0000	0.0000
340-25Pass	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.0000	0.0000	0.0000	1.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.0000	0.0000
733-25Pass	0.2500	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.7500	0.7500	0.7500	0.5000	0.0000	0.7500	1.0000	1.0000	0.7500	0.7500	0.2500	0.5000	0.5000	0.5000	0.2500	0.7500	0.0000
734-25Pass	0.5000	1.0000	0.0000	0.0000	0.0000	0.0000	0.5000	0.5000	0.5000	0.5000	0.0000	0.5000	1.0000	0.0000	0.5000	0.0000	0.0000	1.0000	0.5000	0.0000	0.0000	0.0000	0.0000	0.0000
735-25Pass	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.5000	0.0000	0.5000	0.0000	0.0000	0.0000	1.0000	0.0000	1.0000	0.0000	0.0000	0.0000	0.5000	0.0000	0.0000	0.5000	0.0000	0.0000
73S-25Pass	0.3333	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.3333	0.3333	0.3333	1.0000	0.0000	0.0000	0.0000	0.3333	0.3333	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
744-25Pass	0.3333	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.0000	0.0000	0.0000	0.0000	0.6667	0.3333	0.0000	0.0000	0.3333	0.6667	0.0000	0.0000	0.3333	0.3333	1.0000	0.3333
747-25Pass	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.0000	0.0000	0.0000	0.0000	0.0000
74M-25Pass	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.0000
757-25Pass	1.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.5714	0.8571	0.5714	1.0000	0.5714	1.0000	0.1429	0.2857	0.2857	0.7143	0.0000	0.4286	0.1429	0.5714	0.2857	0.2857	0.2857
763-25Pass	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.0000	0.6667	0.0000	0.3333	0.0000	0.3333	0.3333	1.0000	0.6667	0.3333	0.3333	0.0000	0.3333	0.3333	0.0000	0.0000	0.3333
767-25Pass	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.5000	1.0000	0.5000	0.2500	0.2500	0.0000	0.7500	0.7500	0.7500	0.0000	0.7500	0.0000	0.0000	0.0000	0.0000	0.5000	1.0000
777-25Pass	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.0000	0.0000	0.0000	0.0000	0.5000	1.0000	1.0000	0.0000	1.0000	0.0000	0.0000	0.5000	0.0000	1.0000	0.5000	1.0000
AB3-25Pass	0.8000	0.2000	0.4000	0.0000	0.0000	0.0000	0.0000	0.8000	0.4000	0.8000	1.0000	0.6000	0.6000	1.0000	0.0000	0.2000	0.8000	0.4000	0.6000	0.0000	0.2000	0.0000	0.2000	0.6000
AT7-25Pass	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.0000	0.0000	0.5000	0.0000	0.0000	0.5000	0.0000	0.5000	0.0000	0.0000	0.5000	0.0000	0.0000	0.5000	0.0000
ATR-25Pass	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.5000	0.0000	0.5000	1.0000	0.5000	0.0000	0.0000	0.5000	0.0000	0.0000	0.5000	0.0000	0.5000	0.0000	0.0000	1.0000
BE1-25Pass	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.5000	0.0000	0.0000	0.0000	0.0000	0.5000	0.0000	0.5000	0.5000	0.0000	1.0000	0.0000	0.0000	0.5000	0.0000	0.0000
C50-25Pass	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.3333	0.0000	0.6667	0.6667	0.0000	0.6667	0.3333	0.3333	0.0000	0.3333	0.0000	0.0000	0.0000	1.0000	0.0000	0.0000
CNA-25Pass	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.4000	0.4000	0.8000	0.8000	0.0000	0.8000	0.2000	1.0000	0.8000	0.2000	0.6000	0.6000	0.4000	0.8000	0.2000	0.2000	0.4000

S-4. Supplemental Air Quality Technical Report

Table B2

Aircraft-Related Hourly Temporal Factors Alternative D - 2013/2015

Hour	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
DS7-25Pass	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.3333	0.3333	0.0000	0.0000	0.6667	0.3333	0.6667	0.0000	0.3333	0.3333	0.3333	0.3333	0.0000	0.0000	0.6667	1.0000	0.0000
EM2-25Pass	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.0000	0.0000	0.0000	0.0000
EMB-25Pass	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.0000	0.0000	0.0000	1.0000	0.0000	0.0000	1.0000	0.0000	1.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
F50-25Pass	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.0000	1.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
F70-25Pass	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.0000	1.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
GAJ-25Pass	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.5000	0.0000	0.5000	0.5000	0.5000	0.0000	0.5000	0.5000	1.0000	0.0000	0.0000	0.0000	0.5000	0.0000	0.0000	0.0000
J31-25Pass	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.3333	0.3333	0.3333	0.3333	0.3333	0.0000	0.0000	1.0000	0.0000	0.3333	0.3333	0.3333	0.0000	0.3333	0.0000	0.0000
M11-25Pass	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.6667	0.3333	0.3333	1.0000	0.3333	0.6667	0.6667	0.0000	0.0000	1.0000	0.3333	0.0000	0.0000	0.0000	0.3333
M80-25Pass	0.6667	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.3333	0.6667	0.0000	1.0000	0.6667	0.0000	1.0000	1.0000	0.6667	0.0000	0.6667	0.3333	0.0000	0.0000	0.0000	0.3333	0.0000
M90-25Pass	0.0000	0.5000	0.0000	0.0000	0.0000	0.0000	0.0000	0.5000	0.0000	0.0000	0.0000	0.0000	1.0000	0.0000	1.0000	0.0000	0.0000	0.0000	1.0000	0.0000	0.0000	0.0000	0.0000	0.0000
M95-25Pass	0.3333	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.3333	0.0000	0.0000	0.0000	0.0000	0.6667	0.6667	0.0000	0.0000	0.3333	1.0000	0.0000	0.0000	0.0000	0.0000	0.0000
S20-25Pass	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.5000	0.5000	0.0000	0.0000	0.5000	1.0000	0.0000	0.5000	0.5000	0.0000	1.0000	0.0000	1.0000	0.0000	0.5000	0.0000
S36-25Pass	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
SF3-25Pass	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.5000	0.0000	0.0000	0.0000	0.0000	0.5000	0.5000	0.0000	0.0000	1.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
SWM-25Pass	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.6667	0.6667	0.3333	1.0000	0.0000	0.0000	0.6667	0.3333	0.3333	0.3333	1.0000	0.0000	0.3333	0.3333	0.6667	0.0000
737-24Carg	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
744-24Carg	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
747-24Carg	0.0000	0.0000	0.0000	1.0000	1.0000	1.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
CNA-24Carg	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
M11-24Carg	0.0000	0.0000	1.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
300-25Carg	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.5000	1.0000	0.0000	0.0000	0.0000
310-25Carg	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.0000	0.5000	0.0000	0.0000
737-25Carg	0.0000	0.0000	0.0000	1.0000	0.0000	0.5000	0.5000	0.5000	0.0000	0.0000	0.0000	0.0000	0.0000	0.5000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.5000
744-25Carg	0.0000	0.0000	0.0000	0.0000	0.0000	1.0000	0.0000	0.0000	1.0000	1.0000	1.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.0000	0.0000	0.0000	0.0000	0.0000
747-25Carg	0.0000	0.0000	0.0000	1.0000	0.0000	0.0000	1.0000	0.0000	1.0000	0.0000	0.0000	0.0000	0.0000	1.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
757-25Carg	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.0000	0.0000	0.0000	0.0000	0.0000
767-25Carg	0.0000	0.0000	0.0000	0.5000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.5000	0.0000	0.0000	0.0000	0.0000	0.5000	0.5000	1.0000	0.0000	0.0000	0.0000
BE1-25Carg	0.0000	0.0000	0.5000	1.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
CNA-25Carg	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.0000	0.0000	0.2500	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.2500	0.0000	0.2500	0.0000
D10-25Carg	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.5000	0.5000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.0000	0.0000	0.0000	0.0000	0.5000	0.5000	0.0000	0.0000
M11-25Carg	0.0000	0.0000	1.0000	0.0000	0.0000	0.0000	1.0000	1.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Table B2

Aircraft-Related Hourly Temporal Factors Alternative D - 2013/2015

Hour	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
24L-Queue	0.0583	0.0583	0.0722	0.0583	0.0431	0.0431	0.0750	0.1883	0.5518	0.3825	0.5490	0.1920	0.4634	1.0000	0.4148	0.4660	0.5720	0.3364	0.2664	0.1638	0.1547	0.0897	0.2421	0.1063
24R-Queue	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.3699	0.4181	0.2589	0.2877	0.4267	0.4751	0.7951	0.2110	0.4028	0.5036	1.0000	0.1918	0.4411	0.3233	0.1982	0.6329	0.0000
25L-Queue	0.0000	0.0000	0.2199	0.2199	0.0574	0.2199	0.3824	0.3723	0.2868	0.9239	0.6821	1.0000	0.7604	0.9827	0.4392	0.3601	0.8149	0.3771	0.5909	0.4200	0.7109	0.2055	0.2147	0.1987
25R-Queue	0.0587	0.0831	0.0587	0.0587	0.0000	0.0000	0.0587	0.1464	0.5881	0.4928	0.5553	0.9052	0.6417	1.0000	0.5235	0.5307	0.1923	0.2546	0.1548	0.1207	0.1972	0.0795	0.1372	0.1359

Source: Camp Dresser & McKee Inc., 2003

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Attachment C
Interim Year Construction Input to
Environmental Analysis for LAX Master Plan

Activity ID		Activity Description	Weeks	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
<i>Connector Taxiways - 25L</i>														
A5BG00A479	Connector Taxiways - Pavement	38												
A5BG00A480	Connector Taxiways - Utilities	31												
<i>Center Taxiway - CT</i>														
A5BG10A468	Runway Extension	69*												
A5BG10A469	Runway - Earthwork/Fdn	35												
A5BG10A470	Runway - Pavement	38												
A5BG10A471	Runway - Utilities	46												
<i>Connector Taxiways - CT</i>														
A5BG10A476	Connector Taxiways	69*												
A5BG10A479	Connector Taxiways - Earthwork/Fdn	29												
A5BG10A478	Connector Taxiways - Pavement	38												
A5BG10A480	Connector Taxiways - Utilities	45												
<i>Rapid Exit Taxiways - CT</i>														
A5BG00A481	Rapid Exit Taxiways	69*												
A5BG00A483	Rapid Exit Taxiways - Earthwork/Fdn	30												
A5BG00A484	Rapid Exit Taxiways - Pavement	31												
A5BG00A485	Rapid Exit Taxiways - Utilities	31												
<i>Parallel Taxiway - CT</i>														
A5BG10A472	Parallel Taxiway	69*												

Start Date 05/01/00
Finish Date 12/28/14
Data Date 05/06/02
Run Date 05/21/03 14:12

S517
All Activities

Attachment A

Sheet 3 of 24

LAX Master Plan: Alternative D CONCEPTUAL CONSTRUCTION SCHEDULE May 21, 2003

MARRS Services, Inc.

Activity ID		Activity Description	Weeks	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
<i>Parallel Taxiway - CT</i>														
A5BG10A473	Parallel Taxiway - Earthwork/Fdn	35												
A5BG10A474	Parallel Taxiway - Pavement	38												
A5BG10A475	Parallel Taxiway - Utilities	46												
<i>West Employee Parking Structure [12,000 Spaces]</i>														
<i>Summary Bar</i>														
A5A100A108	CONSTRUCTION & TEST/COMM	82*												
<i>Structure - West Employee Parking</i>														
A5A100A118	Construction	78*												
A5A100A119	Parking - Structure - Earthwork/Fdn	36												
A5A100A120	Parking - Structure	42												
<i>Test and Commissioning</i>														
A5A100A109	TEST & COMM	4												
<i>Intermodal Center [7,000 Pkg Spaces]</i>														
<i>Summary Bar</i>														
A5AR00A167	CONSTRUCTION & TEST/COMM	78*												
<i>Parking Structure</i>														
A5AR00A169	Construction	65*												
A5AR00A170	Structure - Earthwork/Fdn	31												
A5AR00A171	Structure - Bldg	52												
<i>Pedestrian Bridge (Connection to Greenline)</i>														
A5AR00A172	Pedestrian Bridge	24*												

Start Date 05/01/00
Finish Date 12/28/14
Data Date 05/06/02
Run Date 05/21/03 14:12

S517
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**LAX Master Plan: Alternative D
CONCEPTUAL CONSTRUCTION SCHEDULE
May 21, 2003**

MARRS Services, Inc.

Activity ID	Activity Description	Weeks	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Pedestrian Bridge (Connection to Greenline)													
A5AR00A173	Pedestrian Bridge - Earthwork/Fdn	8											
A5AR00A174	Pedestrian Bridge - Structure	16											
Test and Commissioning													
A5AR00A168	TEST & COMM	13											
Southeast Surface Parking													
Summary Bar													
A5A000A104	CONSTRUCTION	14*											
Parking													
A5A000A105	Parking	14*											
A5A000A106	Parking - Earthwork/Fdn	13											
A5A000A107	Parking - Pavement	11											
Primary Baggage Tunnel - GTC to CTA													
Summary Bar													
A5BA00A353	CONSTRUCTION & TEST/COMM	83*											
Tunnel/System Utilities & Baggage (Phased)													
A5BA00A355	Tunnel/System Utilities & Baggage	79*											
A5BA00A356	Tunnel/System - Earthwork/Fdn	35											
A5BA00A357	Tunnel/System - Structure - Bldg	57											
Tunnel/System (Phased)													
A5BA00A358	Tunnel/System (Secure)	79*											
A5BA00A359	Tunnel/System - Earthwork/Fdn	35											

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**LAX Master Plan: Alternative D
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MARRS Services, Inc.

Activity ID	Activity Description	Weeks	Years											
			2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	
Tunnel/System (Phased)														
A5BA00A360	Tunnel/System - Structure - Bldg	57												
Test and Commissioning														
A5BA00A354	TEST & COMM	4												
Emergency Baggage Tunnel - GTC to CTA														
Summary Bar														
A5BB00A353	CONSTRUCTION & TEST/COMM	83*												
Tunnel/System Utilities & Baggage (Phased)														
A5BB00A355	Tunnel/System Utilities & Baggage	79*												
A5BB00A356	Tunnel/System - Earthwork/Fdn	35												
A5BB00A357	Tunnel/System - Structure - Bldg	57												
Tunnel/System (Phased)														
A5BB00A358	Tunnel/System (Secure)	79*												
A5BB00A359	Tunnel/System - Earthwork/Fdn	35												
A5BB00A360	Tunnel/System - Structure - Bldg	57												
Test and Commissioning														
A5BB00A354	TEST & COMM	4												
Offsite Utilities														
Summary Bar														
A5AO00A258	CONSTRUCTION & TEST/COMM	131*												
Offsite Utilities														
A5AO00A260	Offsite Utilities	90*												

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LAX Master Plan: Alternative D CONCEPTUAL CONSTRUCTION SCHEDULE May 21, 2003

MARRS Services, Inc.

Activity ID	Activity Description	Weeks	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
<i>Offsite Utilities</i>													
A5AO00A261	Offsite Utilities	90											
<i>Test and Commissioning</i>													
A5AO00A259	TEST & COMM	41*											
<i>GTC to ITC Roadways & Century Bridge</i>													
<i>Summary Bar</i>													
A5BF00A253	CONSTRUCTION & TEST/COMM	92*											
<i>Airport Roadways (GTC to ITC)</i>													
A5BF00A259	Roadways	79*											
A5BF00A260	Roadways - Demolition	40											
A5BF00A261	Roadways - Structures - Roadway	50											
A5BF00A262	Roadways - Pavement	53											
<i>Test and Commissioning</i>													
A5BF00A254	TEST & COMM	13											
<i>Demo CTA Parking Structures</i>													
<i>Summary Bar</i>													
A5A600A148	CONSTRUCTION (DEMO)	39*											
<i>Parking Structures/Roadways</i>													
A5A600A149	Parking Structures/Roadways	39*											
A5A600A150	Parking Structures - Demolition	34											
A5A600A151	Roadways - Demolition	35											

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LAX Master Plan: Alternative D CONCEPTUAL CONSTRUCTION SCHEDULE May 21, 2003

MARRS Services, Inc.

Activity ID	Activity Description	Weeks	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
CTA Landside Terminals													
Summary Bar													
A5A900A158	CONSTRUCTION & TEST/COMM	143*											
Terminals													
A5A900A160	Terminals	130*											
A5A900A161	Terminals - Earthwork/Fdn	79											
A5A900A162	Terminals - Structures - Bldgs	98											
A5A900A163	Terminals - Utilities	95											
Test and Commissioning													
A5A900A159	TEST & COMM	13											
Offsite Roadway Improvements													
Summary Bar													
A5AP00A253	CONSTRUCTION & TEST/COMM	144*											
Roadways													
A5AP00A255	Roadways	131*											
A5AP00A256	Roadways - Demolition	45											
A5AP00A257	Roadways - Structures - Roadway	70											
A5AP00A258	Roadways - Pavement	53											
Test and Commissioning													
A5AP00A254	TEST & COMM	13											

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LAX Master Plan: Alternative D CONCEPTUAL CONSTRUCTION SCHEDULE May 21, 2003

MARRS Services, Inc.

Activity ID	Activity Description	Weeks	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
RAC Consolidated Center													
<i>Summary Bar</i>													
A5AB0	DEMO & CONSTRUCTION (includes Lot C)	164*											
<i>Demolition</i>													
A5AB10	Belford Square-Roads/Utilities Demolition	9											
A5AB20	Belford Square-Landscape/Trees Demolition	9											
A5AB00	Demolition - Pavement	30											
A5AB00A	Demolition - Facilities (included in 7C.2)	30											
A5AB00A2	Demolition	30*											
<i>Facilities</i>													
A5AB00A265	Facilities	88*											
A5AB00A266	Facilities - Earthwork/Fdn	37											
A5AB00A267	Facilities - Structures - Bldg	76											
<i>Lot C - Surface Parking</i>													
A5AB00A274	CONSTRUCTION	27*											
A5AB00A278	Earthwork	26											
A5AB00A280	Pavement	26											
<i>Test and Commissioning</i>													
A5AB00A264	TEST & COMM	13											

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LAX Master Plan: Alternative D CONCEPTUAL CONSTRUCTION SCHEDULE May 21, 2003

MARRS Services, Inc.

Activity ID	Activity Description	Weeks	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
People Mover - CTA to ITC, RAC & GTC													
<i>Summary Bar</i>													
A5B400A252	CONSTRUCTION / TEST&COMM	144*											
<i>APM Circulator @ CTA</i>													
A5B400A253	APM Circulator @ CTA	131*											
A5B400A263	APM-Structures-Bldgs.	53											
A5B400A273	APM-Structures-Roadways	89											
<i>APM Connections to GTC, RAC & ITC</i>													
A5B400A255	APM Connections to GTC, RAC & ITC	135*											
A5B400A265	APM - Structures	136											
A5B400A275	APM - Roadways - Pavements	133											
<i>APM RAC Station</i>													
A5B400A256	APM RAC Station	26*											
A5B400A276	APM - Structure - Bldg.	26											
<i>APM Maintenance & Storage Facility</i>													
A5B400A257	APM Maintenance & Storage Facility	51*											
A5B400A267	Facility - Structures - Bldg	51											
<i>Test and Commissioning</i>													
A5B400A254	TEST & COMM	13											
Baggage System - GTC to CTA													
<i>Summary Bar</i>													
A5BD00A352	CONSTRUCTION / TEST&COMM	144*											

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**LAX Master Plan: Alternative D
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MARRS Services, Inc.

	Activity ID	Activity Description	Weeks	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Elevator														
	A5BD00A353	Baggage System: Construction	128*											
	A5BD00A355	Baggage System - Equipment	128											
Test and Commissioning														
	A5BD00A354	TEST & COMM	16											
Ground Transportation Center (GTC)														
Summary Bar														
	A5AT00A253	DEMO / CONSTRUCTION / TEST&COMM	139*											
Demolition														
	A5AT00A265	Road/Utility Demolition	9											
	A5AT00A275	Landscape & Tree Demolition	27											
Piers/Terminals														
	A5AT00A255	Piers/Terminals	104*											
	A5AT00A256	Piers/Terminals - Earthwork/Fdn	30											
	A5AT00A257	Piers/Terminals - Structures - Bldgs	71											
	A5AT00A258	Piers/Terminals - Utilities	14											
Parking Structures														
	A5AT00A259	Parking Structures	47*											
	A5AT00A260	Parking Structures - Earthwork/Fdn	13											
	A5AT00A261	Parking Structures - Structures - Bldgs	34											

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**LAX Master Plan: Alternative D
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MARRS Services, Inc.

		Activity ID	Activity Description	Weeks														
					2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014			
	CVHA																	
	A5AT00A262	CVHA	64*															
	A5AT00A263	CVHA - Structure - Bldg	64															
	Test and Commissioning																	
	A5AT00A254	TEST & COMM	13															

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LAX Master Plan: Alternative D CONCEPTUAL CONSTRUCTION SCHEDULE May 21, 2003

MARRS Services, Inc.

Activity ID	Activity Description	Weeks	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
PHASE 2 - MIDFIELD/SAT CONCOURSE													
Replacement Hangar													
Summary Bar													
A5AQ00A334	CONSTRUCTION / TEST&COMM	69*											
Hangar													
A5AQ00A336	Hangar	65*											
A5AQ00A337	Hangar - Earthwork/Fdn	28											
A5AQ00A338	Hangar - Structures - Bldg	50											
Apron													
A5AQ00A339	Apron	65*											
A5AQ00A340	Apron - Earthwork/Fdn	28											
A5AQ00A341	Apron - Pavement	51											
Test and Commissioning													
A5AQ00A335	TEST & COMM	4											
Midfield Ancillary Facilities													
Summary Bar													
A5BK42A00	CONSTRUCTION / TEST&COMM	91*											
Aircraft Rescue and Firefighting													
A5BK42A01	Facilities	70*											
A5BK42A02	Facilities - Structures - Bldg	70											
CNG													
A5BK44A01	Facilities	78*											
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MARRS Services, Inc.

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LAX Master Plan: Alternative D CONCEPTUAL CONSTRUCTION SCHEDULE May 21, 2003

MARRS Services, Inc.

Activity ID		Activity Description	Weeks												
				2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	
<i>CNG</i>															
A5BK44A02	Facilities - Structures - Bldg	45													
A5BK44A03	Facilities - Utilities	34													
<i>Police</i>															
A5BK45A01	Facilities	51*													
A5BK45A02	Facilities - Structures - Bldg	51													
<i>Ground Run-up Enclosure</i>															
A5BK46A01	Facilities	26*													
A5BK46A02	Facilities - Structures - Bldg	26													
<i>Test and Commissioning</i>															
A5BK46A03	TEST & COMM	13													
<i>Clear Midfield Area (Phased)</i>															
<i>Summary Bar</i>															
A5A200A313	DEMOLITION	65*													
<i>Demolition</i>															
A5A200A314	Demolition	65*													
A5A200A315	Demolition - Facilities	30													
A5A200A316	Demolition - Pavement	35													
<i>Primary Tunnel - CTA to Satellite Concourse</i>															
<i>Summary Bar</i>															
A5A700A353	CONSTRUCTION & TEST/COMM	83*													

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MARRS Services, Inc.

Activity ID	Activity Description	Weeks	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Tunnel/System Utilities & Baggage (Phased)													
A5A700A355	Tunnel/System Utilities & Baggage	45*											
A5A700A356	Tunnel/System - Earthwork/Fdn	13											
A5A700A357	Tunnel/System - Structure - Bldg	32											
Tunnel/System (Phased)													
A5A700A358	Tunnel/System (Phased)	43*											
A5A700A359	Tunnel/System - Earthwork/Fdn	14											
A5A700A360	Tunnel/System - Structure - Bldg	29											
Test and Commissioning													
A5A700A354	TEST & COMM	5											
Emergency Tunnel - CTA to Satellite Concourse													
Summary Bar													
A5BC00A353	CONSTRUCTION & TEST/COMM	83*											
Tunnel/System Utilities & Baggage (Phased)													
A5BC00A355	Tunnel/System Utilities & Baggage	45*											
A5BC00A356	Tunnel/System - Earthwork/Fdn	13											
A5BC00A357	Tunnel/System - Structure - Bldg	32											
Tunnel/System (Phased)													
A5BC00A358	Tunnel/System (Phased)	43*											
A5BC00A359	Tunnel/System - Earthwork/Fdn	14											
A5BC00A360	Tunnel/System - Structure - Bldg	29											

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LAX Master Plan: Alternative D CONCEPTUAL CONSTRUCTION SCHEDULE May 21, 2003

MARRS Services, Inc.

Activity ID	Activity Description	Weeks	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Test and Commissioning													
A5BC00A354	TEST & COMM	5											
Midfield Aprons & Taxiways													
Summary Bar													
A5B600A353	CONSTRUCTION	65*											
Apron													
A5B600A354	Apron	65*											
A5B600A355	Apron - Earthwork/Fdn	39											
A5B600A356	Apron - Pavement	45											
A5B600A357	Apron - Utilities	57											
Connector Taxiways													
A5B600A358	Connector Taxiways	65*											
A5B600A359	Connector Taxiways - Earthwork/Fdn	41											
A5B600A360	Connector Taxiways - Pavement	47											
A5B600A361	Connector Taxiways - Utilities	57											
U/G APM - CTA to Sat. Concourse (Horiz Elev)													
Summary Bar													
A5B700A352	CONSTRUCTION / TEST&COMM	92*											
Elevator													
A5B700A353	Elevator: Construction	78*											
A5B700A355	Elevator - Equipment	78											

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LAX Master Plan: Alternative D CONCEPTUAL CONSTRUCTION SCHEDULE May 21, 2003

MARRS Services, Inc.

Activity ID	Activity Description	Weeks	Weeks												
			2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014		
Test and Commissioning															
A5B700A354	TEST & COMM	14													
Baggage System - CTA to Concourse															
Summary Bar															
A5BE00A352	CONSTRUCTION / TEST&COMM	92*													
Elevator															
A5BE00A353	Baggage System - Construction	77*													
A5BE00A355	Baggage System - Equipment	77													
Test and Commissioning															
A5BE00A354	TEST & COMM	15													
Satellite Concourse															
Summary Bar															
A5A800A361	CONSTRUCTION / TEST&COMM	118*													
Terminal															
A5A800A363	Terminal	105*													
A5A800A364	Terminal - Earthwork/Fdn	43													
A5A800A366	Terminal - Utilities	72													
A5A800A365	Terminal - Structures - Bldgs	48													
Test and Commissioning															
A5A800A362	TEST & COMM	13													

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LAX Master Plan: Alternative D CONCEPTUAL CONSTRUCTION SCHEDULE May 21, 2003

MARRS Services, Inc.

Activity ID			Activity Description			Weeks			20042005200620072008200920102011201220132014													
Connector Taxiways																						
A5AG00A475			Cross Taxiways - Utilities			62																
Test and Commissioning																						
A5AG00A461			TEST & COMM			13																
North CTA Concourses																						
Summary Bar																						
A5AF00A455			CONSTRUCTION / TEST&COMM			117*																
Terminal																						
A5AF00A457			Terminal			104*																
A5AF00A458			Terminal - Demolition			48																
A5AF00A459			Terminal - Earthwork/Fdn			69																
A5AF00A460			Terminal - Structure - Buildings			74																
A5AF00A461			Terminal - Utilities			75																
Test and Commissioning																						
A5AF00A456			TEST & COMM			13																
South CTA Concourses Rework																						
Summary Bar																						
A5AJ00A472			CONSTRUCTION / TEST&COMM			56*																
Terminal																						
A5AJ00A474			Terminal			52*																
A5AJ00A475			Terminal - Demolition			18																
A5AJ00A476			Terminal - Structure - Buildings			46																

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MARRS Services, Inc.

Activity ID	Activity Description	Weeks	20042005200620072008200920102011201220132014											
Terminal														
A5AJ00A477	Terminal - Utilities	46												
Test and Commissioning														
A5AJ00A473	TEST & COMM	4												
North CTA Aprons & Taxiways														
Summary Bar														
A5B800A463	CONSTRUCTION	104*												
Apron														
A5B800A464	Apron	104*												
A5B800A465	Apron - Demolition	18												
A5B800A466	Apron - Earthwork/Fdn	45												
A5B800A467	Apron - Pavement	53												
A5B800A468	Apron - Utilities	10												
Connector Taxiways														
A5B800A469	Connector Taxiways	104*												
A5B800A470	Connector Taxiways - Demolition	45												
A5B800A471	Connector Taxiways - Earthwork/Fdn	45												
A5B800A472	Connector Taxiways - Pavement	48												
A5B800A473	Connector Taxiways - Utilities	47												

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Activity ID	Activity Description	Weeks	20042005200620072008200920102011201220132014													
N Airfield Ancillary Facs- Police Sta, Med Buil																
Summary Bar																
A5BJ00A465	CONSTRUCTION & TEST/COMM	92*														
Police Station																
A5BJ00A472	Police Station	79*														
A5BJ00A473	Earthwork/Fdn	35														
A5BJ00A475	Structure	51														
Medical Building																
A5BJ00A476	Medical Building	68*														
A5BJ00A478	Earthwork/Fdn	35														
A5BJ00A480	Structure	51														
Test and Commissioning																
A5BJ00A109	TEST & COMM	13														
Rework Fuel Farm																
Summary Bar																
A5AE00A350	CONSTRUCTION & TEST/COMM	92*														
Fuel Farm Facilities																
A5AE00A352	Fuel Farm Facilities	79*														
A5AE00A363	Facilities - Structures - Bldg	50														
A5AE00A364	Facilities - Utilities	50														
Test and Commissioning																
A5AE00A351	TEST & COMM	13														

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MARRS Services, Inc.

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Activity ID	Activity Description	Weeks	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Rapid Exit Taxiways - CT													
A5AI00A482	Rapid Exit Taxiways - Demolition	17											
A5AI00A483	Rapid Exit Taxiways - Earthwork/Fdn	17											
A5AI00A484	Rapid Exit Taxiways - Pavement	25											
A5AI00A485	Rapid Exit Taxiways - Utilities	21											
Runway Extension													
A5AI00A468	Runway Extension	27*											
A5AI00A469	Runway - Earthwork/Fdn	18											
A5AI00A470	Runway - Pavement	4											
A5AI00A471	Runway - Utilities	5											
Parallel Taxiway F													
A5AI00A472	Parallel Taxiway F	52*											
A5AI00A473	Parallel Taxiway - Earthwork/Fdn	29											
A5AI00A474	Parallel Taxiway - Pavement	28											
A5AI00A475	Parallel Taxiway - Utilities	27											
Airside Service Road													
A5AI00A486	Airside Service Road	51*											
A5AI00A487	Airside Service Road - Pavement	51											

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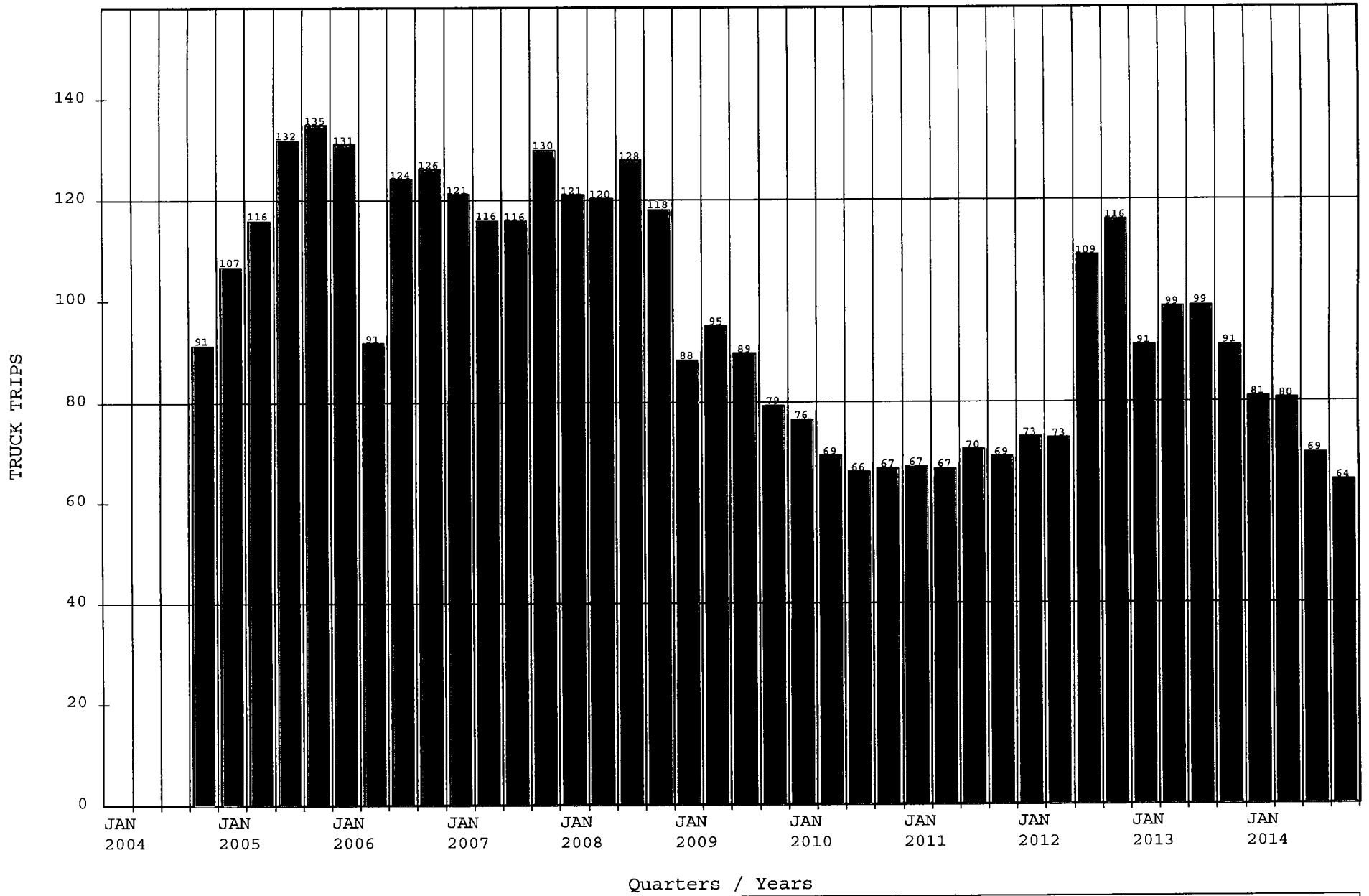
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MARRS Services, Inc.

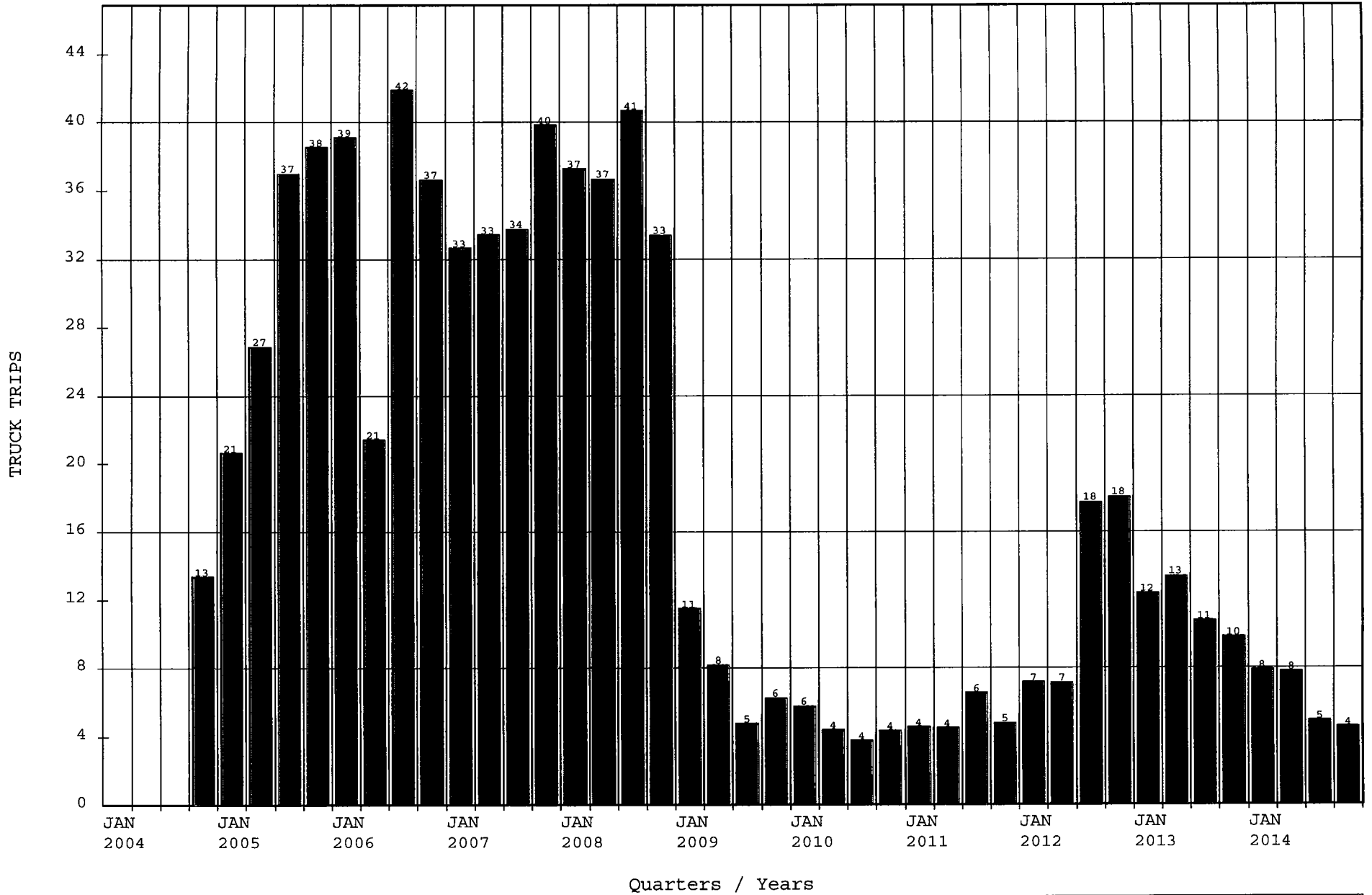
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Project Finish 28DEC14			Date	Revision	Checked	Approved	
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Plot Date 21MAY03							
Attchmnt B07: TRUCK TRIPS							
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Truck Trips On Site



Project Start 1MAY00
Project Finish 28DEC14
Data Date 6MAY02
Plot Date 21MAY03

LAX Master Plan : Alternative D

Sheet 1 of 1

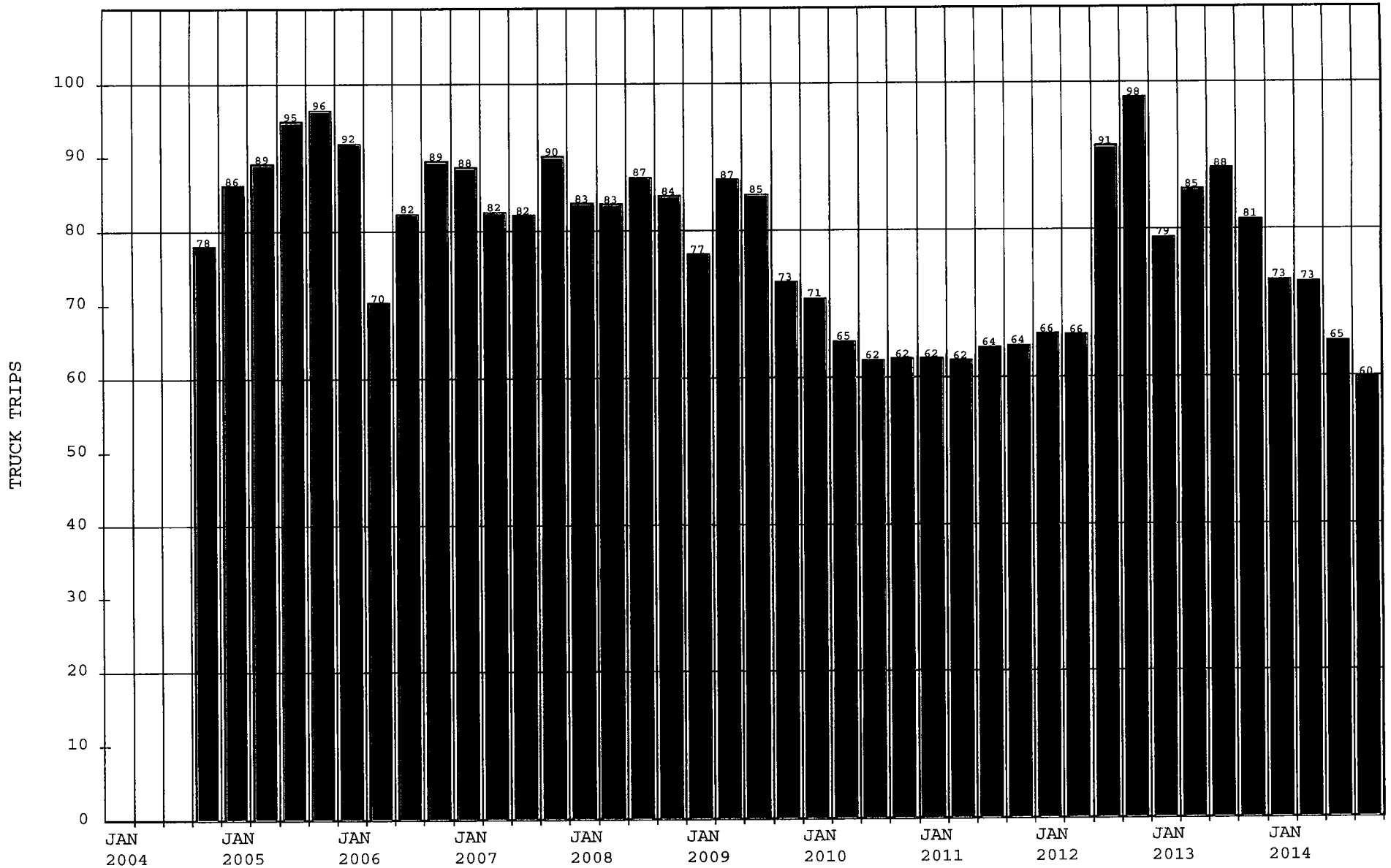
Modified May 21, 2003

Attchmnt B09: TRUCK TRIPS (ONSITE)

Date	Revision	Checked	Approved

x Thousand

Truck Trips Off Site



Quarters / Years

Project Start 1MAY00
 Project Finish 28DEC14
 Data Date 6MAY02
 Plot Date 21MAY03

LAX Master Plan: Alternative D

Sheet 1 of 1

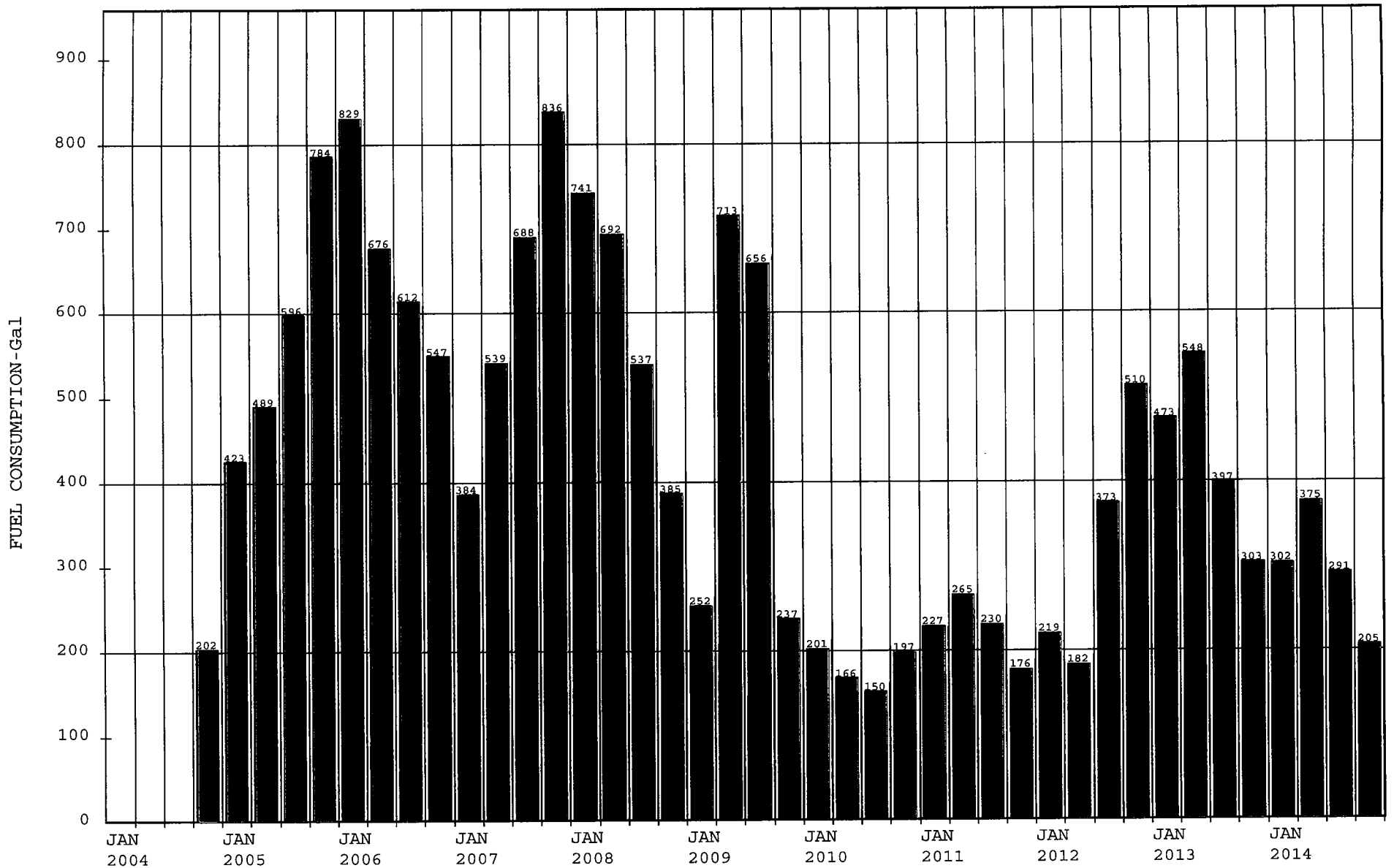
Modified May 21, 2003

Attchmnt B08: TRUCK TRIPS (OFFSITE)

Date	Revision	Checked	Approved

x Thousand

Fuel Consumption (Gallons)



Quarters / Years

Project Start 1MAY00
 Project Finish 28DEC14
 Data Date 6MAY02
 Plot Date 21MAY03

LAX Master Plan: Alternative D

Sheet 1 of 1

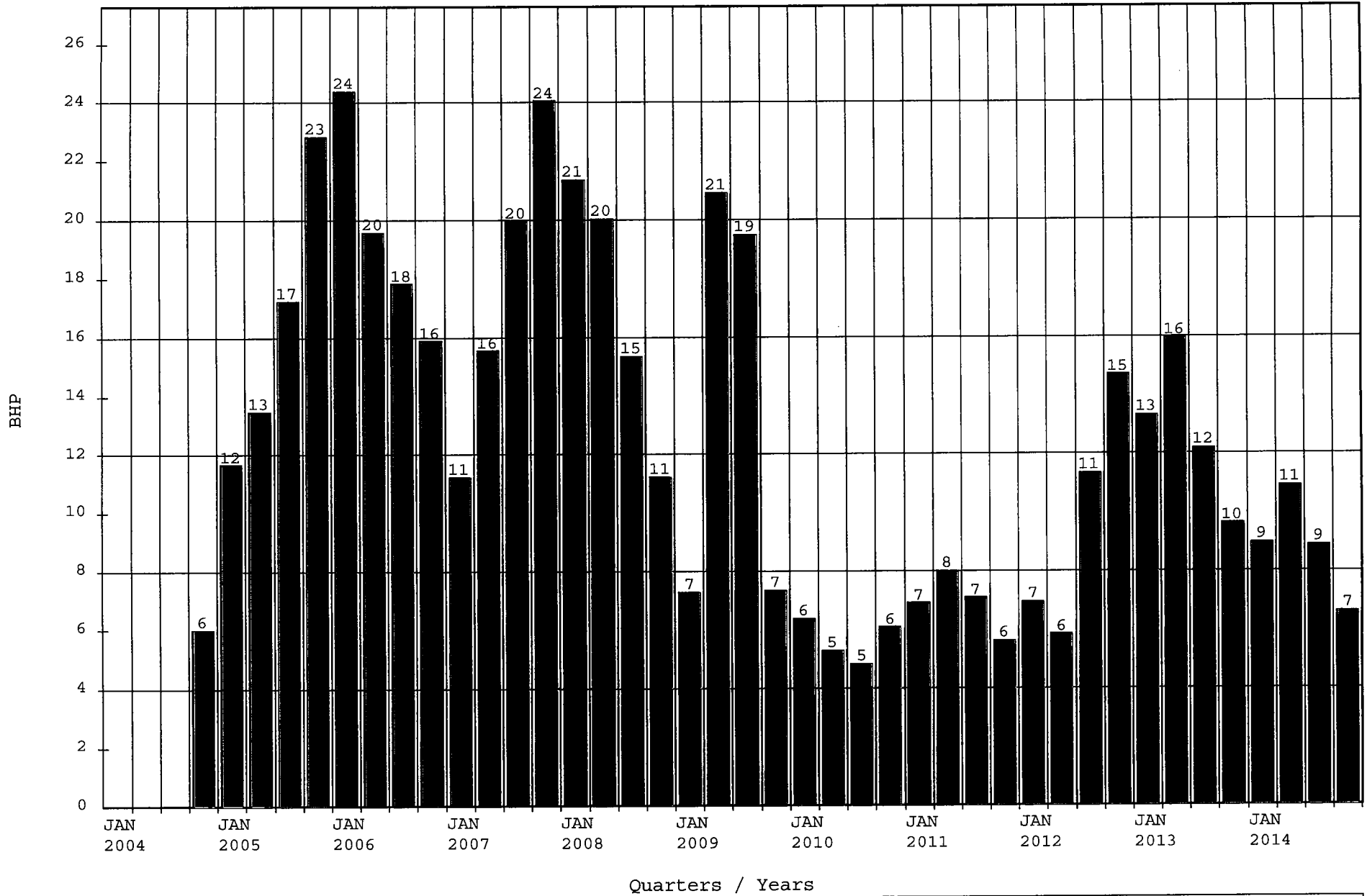
Modified May 21, 2003

Attchmnt B06: FUEL CONSUMPTION

Date	Revision	Checked	Approved

x Million

Brake Horsepower (BHP)



Project Start 1MAY00
Project Finish 28DEC14
Data Date 6MAY02
Plot Date 21MAY03

LAX Master Plan: Alternative D

Sheet 1 of 1

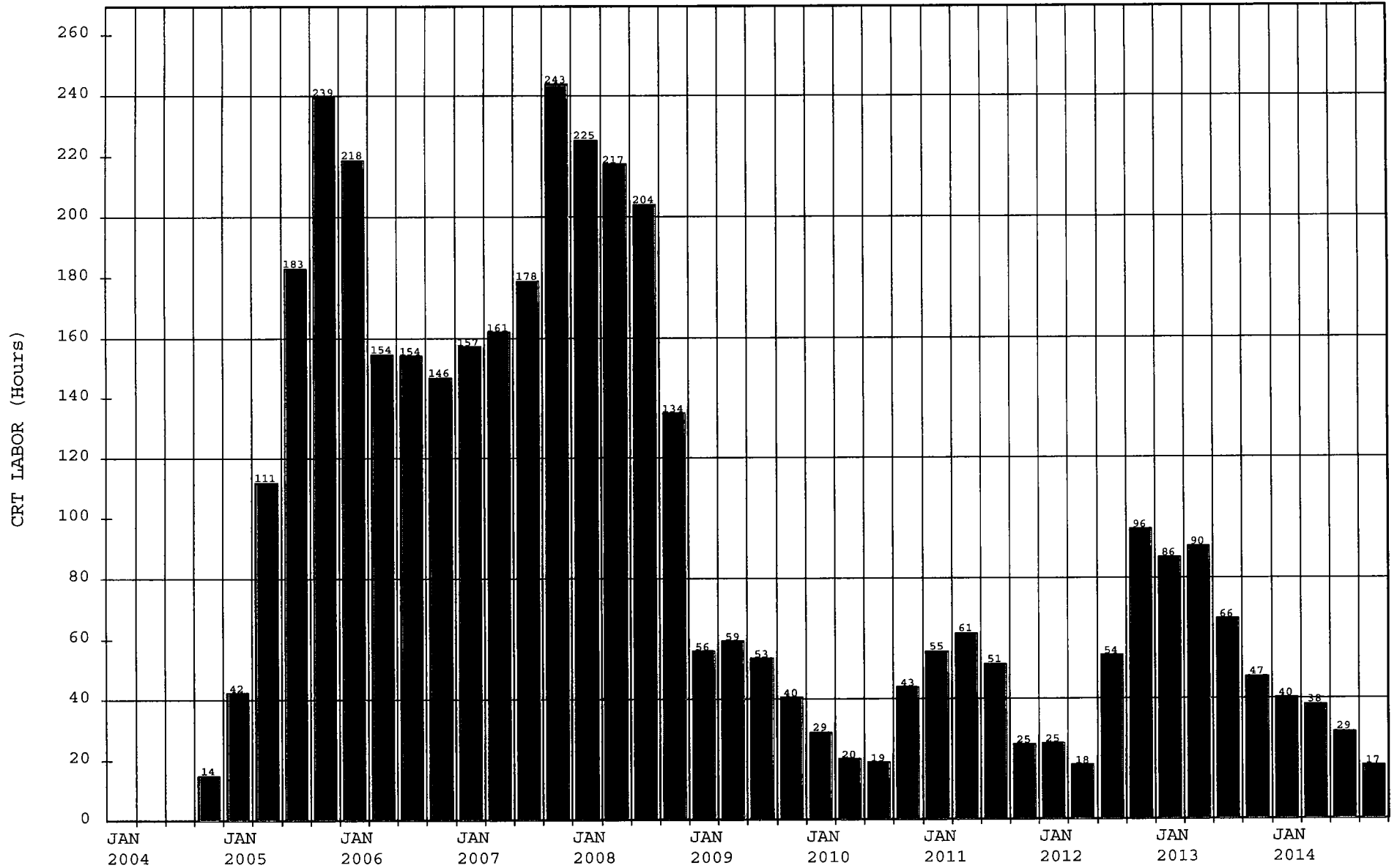
Modified May 21, 2003

Attchmnt B05: BRAKE HORSEPOWER (BHP)

Date	Revision	Checked	Approved

x Thousand

CRAFT LABOR THIRD SHIFT (Hours)



Quarters / Years

Project Start 1MAY00\$E91\$
 Project Finish 28DEC14
 Data Date 6MAY02
 Plot Date 21MAY03

LAX Master Plan: Alternative D

Sheet 1 of 1

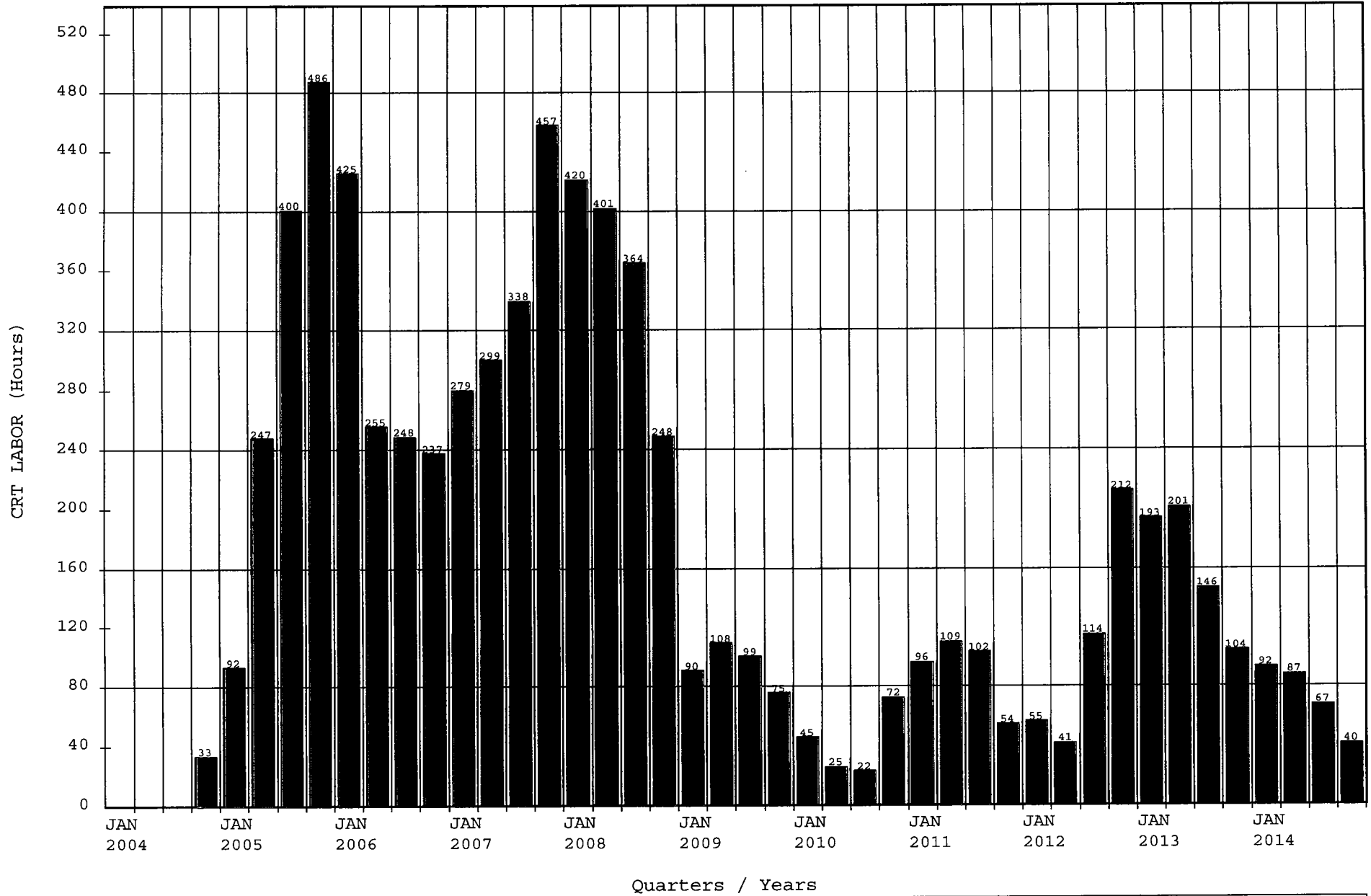
Modified on May 21, 2003

Attchmnt B04: CRT LABOR THIRD SHIFT

Date	Revision	Checked	Approved

x Thousand

CRAFT LABOR SECOND SHIFT (Hours)



Quarters / Years

Project Start 1MAY00*8E91N
 Project Finish 28DEC14
 Data Date 6MAY02
 Plot Date 21MAY03

LAX Master Plan: Alternative D

Sheet 1 of 1

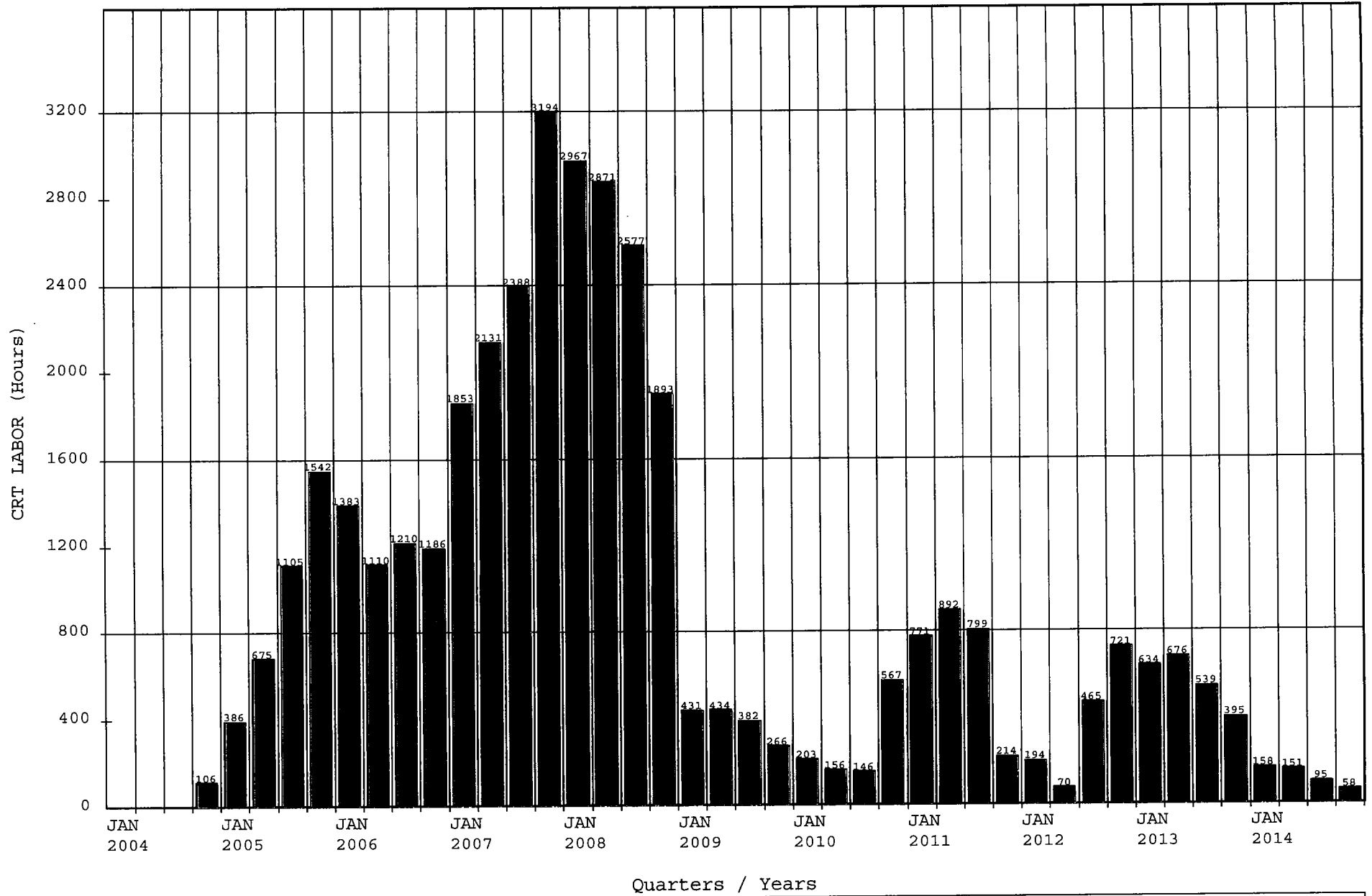
Modified on May 21, 2003

Attchmnt B03: CRT LABOR SECOND SHIFT

Date	Revision	Checked	Approved

x Thousand

CRAFT LABOR FIRST SHIFT (Hours)



Project Start 1MAY00*8910
 Project Finish 28DEC14
 Data Date 6MAY02
 Plot Date 21MAY03

LAX Master Plan: Alternative D

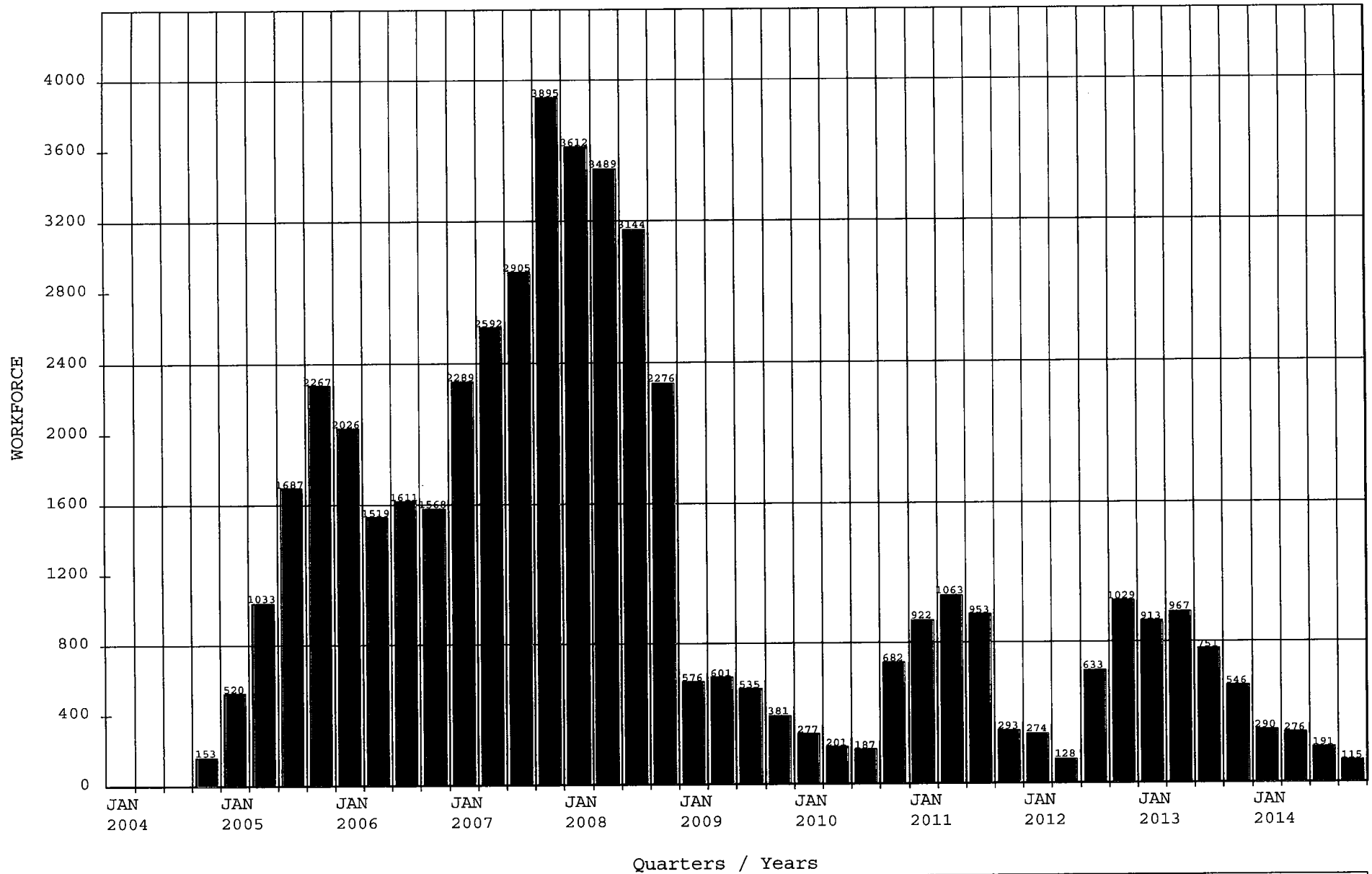
Sheet 1 of 1

Modified on May 21, 2003

Attchmnt B02: CRT LABOR FIRST SHIFT

Date	Revision	Checked	Approved

x Thousand



Quarters / Years

Project Start	1MAY00
Project Finish	28DEC14
Data Date	6MAY02
Plot Date	21MAY03

LAX Master Plan: Alternative D

Sheet 1 of 1

Modified May 21, 2003

Attchmnt B01:CRAFT LABOR (WORKFORCE)

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Activity ID	Activity Description	Sub Prj	Resource	Crew Type	# Crews	Dur. Weeks	Early Start	Early Finish
MT								
MGMT	Management Operations					574	29DEC03	28DEC14
MGMT10	Concrete Batch Plant					548	28JUN04	28DEC14
MGMT20	Asphalt Batch Plant					548	28JUN04	28DEC14
MGMT20CTA	New LAX CTA Open					0	30MAR09	
MGMT20ROD	Record Of Decision (ROD)					0	31MAY04	

Activity ID	Activity Description	Sub Prj	Resource	Crew Type	# Crews	Dur. Weeks	Early Start	Early Finish
Runway 25L and Center Taxiways								
A5BG00A465	CONSTRUCTION	00				78	04OCT04	02APR06
A5BG00A466	Runway	33A				78	04OCT04	02APR06
A5BG00A467	Runway - Demolition	33A	CREW	D4	1.00	9	04OCT04	05DEC04
A5BG00A468	Runway - Earthwork/Fdn	33A	CREW	E5	2.00	21	27DEC04	22MAY05
A5BG00A469	Runway - Pavement	33A	CREW	P2	2.00	24	11APR05	25SEP05
A5BG00A470	Runway - Utilities	33A	CREW	E1	2.00	28	19SEP05	02APR06
A5BG00A471	Parallel Taxiways	31A				78	04OCT04	02APR06
A5BG00A472	Parallel Taxiway - Demolition	31A	CREW	D4	1.97	38	04OCT04	26JUN05
A5BG00A473	Parallel Taxiway - Earthwork/Fdn	31A	CREW	E5	2.00	39	07FEB05	06NOV05
A5BG00A474	Parallel Taxiway - Pavement	31A	CREW	P2	1.98	40	27JUN05	02APR06
A5BG00A475	Parallel Taxiway - Utilities	31A	CREW	E1	2.00	38	11JUL05	02APR06
A5BG00A476	Connector Taxiways	32A				78	04OCT04	02APR06
A5BG00A477	Connector Taxiways - Demolition	32A	CREW	D4	1.00	9	04OCT04	05DEC04
A5BG00A478	Connector Taxiways - Earthwork/Fdn	32A	CREW	E5	3.00	29	21FEB05	11SEP05
A5BG00A479	Connector Taxiways - Pavement	32A	CREW	P2	3.00	38	11JUL05	02APR06
A5BG00A480	Connector Taxiways - Utilities	32A	CREW	E1	2.00	31	29AUG05	02APR06
A5BG10A468	Runway Extension	34A				69	06DEC04	02APR06
A5BG10A469	Runway - Earthwork/Fdn	34A	CREW	E5	2.00	35	06DEC04	07AUG05
A5BG10A470	Runway - Pavement	34A	CREW	P2	2.00	38	21MAR05	11DEC05
A5BG10A471	Runway - Utilities	34A	CREW	E1	2.00	46	16MAY05	02APR06
A5BG10A476	Connector Taxiways	30C				69	06DEC04	02APR06
A5BG10A477	Connector Taxiways - Demolition	30C	CREW	D4	0.00	0	06DEC04	05DEC04
A5BG10A478	Connector Taxiways - Pavement	30C	CREW	E5	3.00	38	28MAR05	18DEC05
A5BG10A480	Connector Taxiways - Utilities	30C	CREW	P2	3.00	45	23MAY05	02APR06
A5BG10A479	Connector Taxiways - Earthwork/Fdn	30C	CREW	E1	3.00	29	06DEC04	26JUN05
A5BG00A481	Rapid Exit Taxiways	30D				69	06DEC04	02APR06
A5BG00A482	Rapid Exit Taxiways - Demolition	30D	CREW	D4	0.00	0	06DEC04	05DEC04
A5BG00A483	Rapid Exit Taxiways - Earthwork/Fdn	30D	CREW	E5	2.00	30	06DEC04	03JUL05
A5BG00A484	Rapid Exit Taxiways - Pavement	30D	CREW	P2	2.00	31	09MAY05	11DEC05
A5BG00A485	Rapid Exit Taxiways - Utilities	30D	CREW	E1	2.00	31	29AUG05	02APR06
A5BG10A472	Parallel Taxiway	35A				69	06DEC04	02APR06
A5BG10A473	Parallel Taxiway - Earthwork/Fdn	35A	CREW	E5	2.00	35	06DEC04	07AUG05
A5BG10A474	Parallel Taxiway - Pavement	35A	CREW	P2	2.00	38	21FEB05	13NOV05
A5BG10A475	Parallel Taxiway - Utilities	35A	CREW	E1	2.00	46	16MAY05	02APR06
West Employee Parking Structure [12,000 Spaces]								
A5A100A108	DESIGN / BUILD	00				113	03NOV03	01JAN06
A5A100A118	Construction	01A				78	28JUN04	25DEC05
A5A100A119	Parking - Structure - Earthwork/Fdn	01A	CREW	E5	1.00	36	28JUN04	06MAR05
A5A100A120	Parking - Structure	01A	CREW	S1	1.00	42	07MAR05	25DEC05
A5A100A109	TEST & COMM	99				4	05DEC05	01JAN06
Intermodal Center [7,000 Pkg Spaces]								
A5AR00A167	DESIGN/BUILD	00				113	03NOV03	01JAN06
A5AR00A169	Construction	02A				79	28JUN04	01JAN06
A5AR00A170	Structure - Earthwork/Fdn	02A	CREW	E5	1.00	31	28JUN04	30JAN05
A5AR00A171	Structure - Bldg	02A	CREW	S1	1.00	52	03JAN05	01JAN06
A5AR00A172	Pedestrian Bridge	02B				24	28JUN04	12DEC04
A5AR00A173	Pedestrian Bridge - Earthwork/Fdn	02B	CREW	EM1	1.00	8	28JUN04	22AUG04
A5AR00A174	Pedestrian Bridge - Structure	02B	CREW	EM1	1.00	16	23AUG04	12DEC04
A5AR00A168	TEST & COMM	99				13	02JAN06	02APR06
Southeast Surface Parking								
A5A000A104	CONSTRUCTION	00				14	29NOV04	06MAR05
A5A000A105	Parking	03A				14	29NOV04	06MAR05
A5A000A106	Parking - Earthwork/Fdn	03A	CREW	E2	6.00	13	29NOV04	27FEB05
A5A000A107	Parking - Pavement	03A	CREW	P3	4.00	11	20DEC04	06MAR05
Primary Baggage Tunnel - GTC to CTA								
A5BA00A353	CONSTRUCTION	00				78	30MAY05	26NOV06
A5BA00A355	Tunnel/System Utilities & Baggage	15A				78	30MAY05	26NOV06
A5BA00A356	Tunnel/System - Earthwork/Fdn	15A	CREW	E5	2.00	35	30MAY05	29JAN06
A5BA00A357	Tunnel/System - Structure - Bldg	15A	CREW	S2	6.00	57	24OCT05	26NOV06
A5BA00A358	Tunnel/System (Secure)	15B				78	30MAY05	26NOV06

Activity ID	Activity Description	Sub Prj	Resource	Crew Type	# Crews	Dur. Weeks	Early Start	Early Finish
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Primary Baggage Tunnel - GTC to CTA

A5BA00A359	Tunnel/System - Earthwork/Fdn	15B	CREW	E5	2.00	35	30MAY05	29JAN06
A5BA00A360	Tunnel/System - Structure - Bldg	15B	CREW	S2	4.00	57	24OCT05	26NOV06
A5BA00A354	TEST & COMM	99				4	27NOV06	24DEC06

Emergency Baggage Tunnel - GTC to CTA

A5BB00A353	CONSTRUCTION	00				78	30MAY05	26NOV06
A5BB00A355	Tunnel/System Utilities & Baggage	15A				78	30MAY05	26NOV06
A5BB00A356	Tunnel/System - Earthwork/Fdn	15A	CREW	E5	2.00	35	30MAY05	29JAN06
A5BB00A357	Tunnel/System - Structure - Bldg	15A	CREW	S2	6.00	57	24OCT05	26NOV06
A5BB00A358	Tunnel/System (Secure)	15B				78	30MAY05	26NOV06
A5BB00A359	Tunnel/System - Earthwork/Fdn	15B	CREW	E5	2.00	35	30MAY05	29JAN06
A5BB00A360	Tunnel/System - Structure - Bldg	15B	CREW	S2	4.00	57	24OCT05	26NOV06
A5BB00A354	TEST & COMM	99				4	27NOV06	24DEC06

Offsite Utilities

A5AO00A258	CONSTRUCTION	00				131	30MAY05	02DEC07
A5AO00A260	Offsite Utilities	10A				90	30MAY05	18FEB07
A5AO00A261	Offsite Utilities	10A	CREW	E1	5.00	90	30MAY05	18FEB07
A5AO00A259	TEST & COMM	99				26	04JUN07	02DEC07

GTC to IMC Roadways & Century Bridge

A5BF00A253	CONSTRUCTION	00				92	30MAY05	04MAR07
A5BF00A259	Roadways	11A				79	30MAY05	03DEC06
A5BF00A260	Roadways - Demolition	11A	CREW	D10	1.00	40	30MAY05	05MAR06
A5BF00A261	Roadways - Structures - Roadway	11A	CREW	S5	1.00	50	29AUG05	13AUG06
A5BF00A262	Roadways - Pavement	11A	CREW	P3	1.98	53	28NOV05	03DEC06
A5BF00A254	TEST & COMM	99				13	04DEC06	04MAR07

Demo CTA Parking Structures

A5A600A148	CONSTRUCTION (DEMO)	00				39	03OCT05	02JUL06
A5A600A149	Parking Structures/Roadways	04A				39	03OCT05	02JUL06
A5A600A150	Parking Structures - Demolition	04A	CREW	D2	5.00	34	03OCT05	28MAY06
A5A600A151	Roadways - Demolition	04A	CREW	D5	6.00	35	31OCT05	02JUL06

CTA Landside Terminals

A5A900A158	CONSTRUCTION	00				131	03JUL06	04JAN09
A5A900A160	Terminals	05A				131	03JUL06	04JAN09
A5A900A161	Terminals - Earthwork/Fdn	05A	CREW	E6	2.00	79	03JUL06	06JAN08
A5A900A162	Terminals - Structures - Bldgs	05A	CREW	S1	4.00	98	29JAN07	14DEC08
A5A900A163	Terminals - Utilities	05A	CREW	E1	4.00	95	12MAR07	04JAN09
A5A900A159	TEST & COMM	99				13	05JAN09	05APR09

Offsite Roadway Improvements

A5AP00A253	CONSTRUCTION	00				144	30JAN06	02NOV08
A5AP00A255	Roadways	11B				131	30JAN06	03AUG08
A5AP00A256	Roadways - Demolition	11B	CREW	D10	1.00	45	30JAN06	10DEC06
A5AP00A257	Roadways - Structures - Roadway	11B	CREW	S5	1.00	70	30OCT06	02MAR08
A5AP00A258	Roadways - Pavement	11B	CREW	P3	2.00	53	30JUL07	03AUG08
A5AP00A254	TEST & COMM	99				13	04AUG08	02NOV08

RAC Consolidated Center

A5AB0	CONSTRUCTION	00				157	02OCT06	04OCT09
A5AB00A265	Facilities	07A				88	02OCT06	08JUN08
A5AB00A266	Facilities - Earthwork/Fdn	07A	CREW	E5	2.00	37	02OCT06	17JUN07
A5AB00A267	Facilities - Structures - Bldg	07A	CREW	S1	4.00	76	25DEC06	08JUN08
A5AB00A2	Demolition	07C				30	02OCT06	29APR07
A5AB00A	Demolition - Facilities (included in 7C.2)	07C				30	02OCT06	29APR07
A5AB00	Demolition - Pavement	07C	CREW	D2	2.00	30	02OCT06	29APR07
A5AB00A274	CONSTRUCTION	28A				27	30MAR09	04OCT09
A5AB00A278	Earthwork	28A	CREW	E2	12.00	26	30MAR09	27SEP09

Activity ID	Activity Description	Sub Prj	Resource	Crew Type	# Crews	Dur. Weeks	Early Start	Early Finish
RAC Consolidated Center								
A5AB00A280	Pavement	28A	CREW	D2	8.00	26	06APR09	04OCT09
A5AB00A264	TEST & COMM	99				13	09JUN08	07SEP08
People Mover - CTA to IMC, RAC & GTC								
A5B400A252	DESIGN/BUILD	00				183	28MAR05	28SEP08
A5B400A253	APM Circulator @ CTA	06A				131	27MAR06	28SEP08
A5B400A263	APM-Structures-Bldgs.	06A	CREW	S1	3.00	53	27MAR06	01APR07
A5B400A273	APM-Structures-Roadways	06A	CREW	S2	3.00	89	15JAN07	28SEP08
A5B400A255	APM Connections to GTC, RAC & ITC	06B				135	27FEB06	28SEP08
A5B400A265	APM - Structures	06B	CREW	S1	4.00	136	27FEB06	05OCT08
A5B400A275	APM - Roadways - Pavements	06B	CREW	S2	4.00	133	13MAR06	28SEP08
A5B400A256	APM RAC Station	06C				26	28AUG06	25FEB07
A5B400A276	APM - Structure - Bldg.	06C	CREW	S1	1.00	26	28AUG06	25FEB07
A5B400A257	APM Maintenance & Storage Facility	06D				51	08OCT07	28SEP08
A5B400A267	Facility - Structures - Bldg	06D	CREW	S1	4.00	51	08OCT07	28SEP08
A5B400A254	TEST & COMM	99				13	29SEP08	28DEC08
Baggage System - GTC to CTA								
A5BD00A352	DESIGN/BUILD	00				184	28MAR05	05OCT08
A5BD00A353	Baggage Systemr: Construction	20A				128	27MAR06	07SEP08
A5BD00A355	Baggage System - Equipment	20A	CREW	S2	4.00	128	27MAR06	07SEP08
A5BD00A354	TEST & COMM	99				13	06OCT08	04JAN09
Ground Transportation Center (GTC)								
A5AT00A253	CONSTRUCTION	00				104	01JAN07	28DEC08
A5AT00A255	Piers/Terminals	08A				104	01JAN07	28DEC08
A5AT00A256	Piers/Terminals - Earthwork/Fdn	08A	CREW	E6	2.00	30	01JAN07	29JUL07
A5AT00A257	Piers/Terminals - Structures - Bldgs	08A	CREW	S1	2.00	71	20AUG07	28DEC08
A5AT00A258	Piers/Terminals - Utilities	08A	CREW	E1	1.00	14	22SEP08	28DEC08
A5AT00A259	Parking Structures	08B				47	30JUL07	22JUN08
A5AT00A260	Parking Structures - Earthwork/Fdn	08B	CREW	E5	1.00	13	30JUL07	28OCT07
A5AT00A261	Parking Structures - Structures - Bldgs	08B	CREW	S1	1.00	34	29OCT07	22JUN08
A5AT00A262	CVHA	08C				64	15OCT07	04JAN09
A5AT00A263	CVHA - Structure - Bldg	08C	CREW	S1	8.00	64	15OCT07	04JAN09
A5AT00A254	TEST & COMM	99				13	29DEC08	29MAR09

Activity ID	Activity Description	Sub Prj	Resource	Crew Type	# Crews	Dur. Weeks	Early Start	Early Finish
Replacement Hangar								
A5AQ00A334	CONSTRUCTION	00				65	02APR07	29JUN08
A5AQ00A336	Hangar	12A				65	02APR07	29JUN08
A5AQ00A337	Hangar - Earthwork/Fdn	12A	CREW	E2	3.00	28	02APR07	14OCT07
A5AQ00A338	Hangar - Structures - Bldg	12A	CREW	S1	3.00	50	16JUL07	29JUN08
A5AQ00A339	Apron	12B				65	02APR07	29JUN08
A5AQ00A340	Apron - Earthwork/Fdn	12B	CREW	E2	3.00	28	02APR07	14OCT07
A5AQ00A341	Apron - Pavement	12B	CREW	P2	1.00	51	09JUL07	29JUN08
A5AQ00A335	TEST & COMM	99				4	30JUN08	27JUL08
Midfield Ancillary Facilities								
A5BK42A00	CONSTRUCTION	00				78	02APR07	28SEP08
A5BK42A01	Facilities	42A				70	02APR07	03AUG08
A5BK42A02	Facilities - Structures - Bldg	42A	CREW	S1	1.00	70	02APR07	03AUG08
A5BK44A01	Facilities	44A				78	02APR07	28SEP08
A5BK44A02	Facilities - Structures - Bldg	44A	CREW	S1	4.00	45	02APR07	10FEB08
A5BK44A03	Facilities - Utilities	44A	CREW	E1	3.00	34	04FEB08	28SEP08
A5BK45A01	Facilities	45A				51	02APR07	23MAR08
A5BK45A02	Facilities - Structures - Bldg	45A	CREW	S1	2.00	51	02APR07	23MAR08
A5BK46A01	Facilities	46A				26	02APR07	30SEP07
A5BK46A02	Facilities - Structures - Bldg	46A	CREW	S1	8.00	26	02APR07	30SEP07
A5BK46A03	TEST & COMM	99	CREW	S1	8.00	26	29SEP08	29MAR09
Clear Midfield Area (Phased)								
A5A200A313	CONSTRUCTION	00				65	30JUN08	27SEP09
A5A200A314	Demolition	14A				65	30JUN08	27SEP09
A5A200A315	Demolition - Facilities	14A	CREW	D2	2.00	30	30JUN08	25JAN09
A5A200A316	Demolition - Pavement	14A	CREW	D2	1.00	35	26JAN09	27SEP09
Primary Tunnel - CTA to Satellite Concourse								
A5A700A353	CONSTRUCTION	00				78	30JUN08	27DEC09
A5A700A355	Tunnel/System Utilities & Baggage	15A				45	30JUN08	10MAY09
A5A700A356	Tunnel/System - Earthwork/Fdn	15A	CREW	E5	2.00	13	30JUN08	28SEP08
A5A700A357	Tunnel/System - Structure - Bldg	15A	CREW	S2	4.00	32	29SEP08	10MAY09
A5A700A358	Tunnel/System (Phased)	15B				43	02MAR09	27DEC09
A5A700A359	Tunnel/System - Earthwork/Fdn	15B	CREW	E5	2.00	14	02MAR09	07JUN09
A5A700A360	Tunnel/System - Structure - Bldg	15B	CREW	S2	3.00	29	08JUN09	27DEC09
A5A700A354	TEST & COMM	99				4	04JAN10	31JAN10
Emergency Tunnel - CTA to Satellite Concourse								
A5BC00A353	CONSTRUCTION	00				78	30JUN08	27DEC09
A5BC00A355	Tunnel/System Utilities & Baggage	15A				45	30JUN08	10MAY09
A5BC00A356	Tunnel/System - Earthwork/Fdn	15A	CREW	E5	2.00	13	30JUN08	28SEP08
A5BC00A357	Tunnel/System - Structure - Bldg	15A	CREW	S2	4.00	32	29SEP08	10MAY09
A5BC00A358	Tunnel/System (Phased)	15B				43	02MAR09	27DEC09
A5BC00A359	Tunnel/System - Earthwork/Fdn	15B	CREW	E5	2.00	14	02MAR09	07JUN09
A5BC00A360	Tunnel/System - Structure - Bldg	15B	CREW	S2	3.00	29	08JUN09	27DEC09
A5BC00A354	TEST & COMM	99				4	04JAN10	31JAN10
Midfield Aprons & Taxiways								
A5B600A353	CONSTRUCTION	00				65	02FEB09	02MAY10
A5B600A354	Apron	19A				65	02FEB09	02MAY10
A5B600A355	Apron - Earthwork/Fdn	19A	CREW	E5	2.00	39	02FEB09	01NOV09
A5B600A356	Apron - Pavement	19A	CREW	P2	2.00	45	30MAR09	07FEB10
A5B600A357	Apron - Utilities	19A	CREW	E1	4.00	57	30MAR09	02MAY10
A5B600A358	Connector Taxiways	19B				65	02FEB09	02MAY10
A5B600A359	Connector Taxiways - Earthwork/Fdn	19B	CREW	E5	2.00	41	02FEB09	15NOV09
A5B600A360	Connector Taxiways - Pavement	19B	CREW	P2	2.00	47	30MAR09	21FEB10
A5B600A361	Connector Taxiways - Utilities	19B	CREW	E1	2.00	57	30MAR09	02MAY10

U/G APM - CTA to Sat. Concourse (Horiz Elev)

A5B700A352	DESIGN/BUILD	00				131	29DEC08	03JUL11
A5B700A353	Elevator: Construction	20A				78	28DEC09	26JUN11

Activity ID	Activity Description	Sub Prj	Resource	Crew Type	# Crews	Dur. Weeks	Early Start	Early Finish
U/G APM - CTA to Sat. Concourse (Horiz Elev)								
A5B700A355	Elevator - Equipment	20A	CREW	S2	4.00	78	28DEC09	26JUN11
A5B700A354	TEST & COMM	99				13	04JUL11	02OCT11
Baggage System - CTA to Concourse								
A5BE00A352	DESIGN/BUILD	00	CREW	S2	4.00	79	28DEC09	03JUL11
A5BE00A353	Baggage System - Construction	20A				77	04JAN10	26JUN11
A5BE00A355	Baggage System - Equipment	20A				77	04JAN10	26JUN11
A5BE00A354	TEST & COMM	99				13	04JUL11	02OCT11
Satellite Concourse								
A5A800A361	CONSTRUCTION	00	CREW	E6	2.00	105	28SEP09	02OCT11
A5A800A363	Terminal	21A				105	28SEP09	02OCT11
A5A800A364	Terminal - Earthwork/Fdn	21A				43	28SEP09	25JUL10
A5A800A365	Terminal - Structures - Bldgs	21A				48	01NOV10	02OCT11
A5A800A366	Terminal - Utilities	21A				72	17MAY10	02OCT11
A5A800A362	TEST & COMM	99				13	03OCT11	01JAN12

Activity ID	Activity Description	Sub Prj	Resource	Crew Type	# Crews	Dur. Weeks	Early Start	Early Finish
TBIT Rework								
A5AG00A460	CONSTRUCTION	00				105	01NOV10	04NOV12
A5AG00A462	Terminal	22A				105	01NOV10	04NOV12
A5AG00A463	Terminal - Demolition	22A	CREW	D2	1.00	36	01NOV10	10JUL11
A5AG00A464	Terminal - Earthwork/Fdn	22A	CREW	E5	1.00	32	10JAN11	21AUG11
A5AG00A465	Terminal - Structure - Buildings	22A	CREW	S1	1.00	50	04APR11	18MAR12
A5AG00A466	Terminal - Utilities	22A	CREW	E1	1.00	56	10OCT11	04NOV12
A5AG00A467	Apron	22B				59	11JUL11	26AUG12
A5AG00A468	Apron - Demolition	22B	CREW	D2	1.00	4	11JUL11	07AUG11
A5AG00A469	Apron - Earthwork/Fdn	22B	CREW	E5	1.00	3	08AUG11	28AUG11
A5AG00A470	Apron - Pavement	22B	CREW	P2	1.00	48	29AUG11	29JUL12
A5AG00A471	Apron - Utilities	22B	CREW	E1	2.00	4	30JUL12	26AUG12
A5AG00A472	Connector Taxiways	22C				74	08AUG11	06JAN13
A5AG00A473	Cross Taxiways - Earthwork/Fdn	22C	CREW	E5	1.00	50	08AUG11	22JUL12
A5AG00A474	Cross Taxiways - Pavement	22C	CREW	P2	1.00	64	17OCT11	06JAN13
A5AG00A475	Cross Taxiways - Utilities	22C	CREW	E1	1.00	62	31OCT11	06JAN13
A5AG00A461	TEST & COMM	99				13	05NOV12	03FEB13
North CTA Concourses								
A5AF00A455	DEMO & CONSTRUCTION	00				104	02JAN12	29DEC13
A5AF00A457	Terminal	25A				104	02JAN12	29DEC13
A5AF00A458	Terminal - Demolition	25A	CREW	D2	6.00	48	02JAN12	02DEC12
A5AF00A459	Terminal - Earthwork/Fdn	25A	CREW	E6	1.00	69	14MAY12	08SEP13
A5AF00A460	Terminal - Structure - Buildings	25A	CREW	S1	2.00	74	23JUL12	22DEC13
A5AF00A461	Terminal - Utilities	25A	CREW	E1	3.00	75	23JUL12	29DEC13
A5AF00A456	TEST & COMM	99				13	30DEC13	30MAR14
South CTA Concourses Rework								
A5AJ00A472	CONSTRUCTION	00				52	02JUL12	30JUN13
A5AJ00A474	Terminal	23A				52	02JUL12	30JUN13
A5AJ00A475	Terminal - Demolition	23A	CREW	D2	2.00	18	02JUL12	04NOV12
A5AJ00A476	Terminal - Structure - Buildings	23A	CREW	S1	12.00	46	13AUG12	30JUN13
A5AJ00A477	Terminal - Utilities	23A	CREW	E1	5.00	46	13AUG12	30JUN13
A5AJ00A473	TEST & COMM	99				4	01JUL13	28JUL13
North CTA Aprons & Taxiways								
A5B800A463	CONSTRUCTION	00				104	02JUL12	29JUN14
A5B800A464	Apron	27A				104	02JUL12	29JUN14
A5B800A465	Apron - Demolition	27A	CREW	D2	1.00	18	02JUL12	04NOV12
A5B800A466	Apron - Earthwork/Fdn	27A	CREW	E5	2.00	45	03DEC12	13OCT13
A5B800A467	Apron - Pavement	27A	CREW	P2	2.00	53	24JUN13	29JUN14
A5B800A468	Apron - Utilities	27A	CREW	E1	1.00	10	21APR14	29JUN14
A5B800A469	Connector Taxiways	27B				104	02JUL12	29JUN14
A5B800A470	Connector Taxiways - Demolition	27B	CREW	D2	2.00	45	02JUL12	12MAY13
A5B800A471	Connector Taxiways - Earthwork/Fdn	27B	CREW	E5	2.00	45	06AUG12	16JUN13
A5B800A472	Connector Taxiways - Pavement	27B	CREW	P2	2.00	48	17JUN13	18MAY14
A5B800A473	Connector Taxiways - Utilities	27B	CREW	E1	2.00	47	05AUG13	29JUN14
N Airfield Ancillary Facs- Police Sta, Med Buil								
A5BJ00A465	CONSTRUCTION	00				79	27SEP10	01APR12
A5BJ00A472	Police Station	24A				79	27SEP10	01APR12
A5BJ00A473	Earthwork/Fdn	24A	CREW	E5	0.00	35	27SEP10	29MAY11
A5BJ00A475	Structure	24A	CREW	S1	2.00	51	11APR11	01APR12
A5BJ00A476	Medical Building	26A				68	27SEP10	15JAN12
A5BJ00A478	Earthwork/Fdn	26A	CREW	E5	0.00	35	27SEP10	29MAY11
A5BJ00A480	Structure	26A	CREW	S1	2.00	51	24JAN11	15JAN12
A5BJ00A109	TEST & COMM	99				4	02APR12	29APR12
Rework Fuel Farm								
A5AE00A350	CONSTRUCTION	00				78	27SEP10	25MAR12
A5AE00A352	Fuel Farm Facilities	18A				78	27SEP10	25MAR12
A5AE00A363	Facilities - Structures - Bldg	18A	CREW	S1	2.00	50	27SEP10	11SEP11
A5AE00A364	Facilities - Utilities	18A	CREW	E1	1.00	50	11APR11	25MAR12
A5AE00A351	TEST & COMM	99				13	02APR12	01JUL12

Activity ID	Activity Description	Sub Prj	Resource	Crew Type	# Crews	Dur. Weeks	Early Start	Early Finish
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Rework Fuel Farm**Runway 24 L & South Parallel Taxiways**

A5AH00A465	CONSTRUCTION	00					78 02JUL12	29DEC13
A5AH00A466	Runway	29A					78 02JUL12	29DEC13
A5AH00A467	Runway - Demolition	29A	CREW	D4	2.00		29 02JUL12	20JAN13
A5AH00A468	Runway - Earthwork/Fdn	29A	CREW	E5	2.00		31 24SEP12	28APR13
A5AH00A469	Runway - Pavement	29A	CREW	P2	2.00		31 07JAN13	11AUG13
A5AH00A470	Runway - Utilities	29A	CREW	E1	3.00		35 29APR13	29DEC13
A5AH00A471	Parallel Taxiways (AA,D,E,E17)	29B					78 02JUL12	29DEC13
A5AH00A472	Parallel Taxiway - Demolition	29B	CREW	D4	4.00		38 02JUL12	24MAR13
A5AH00A473	Parallel Taxiway - Earthwork/Fdn	29B	CREW	E5	4.00		39 05NOV12	04AUG13
A5AH00A474	Parallel Taxiway - Pavement	29B	CREW	P2	4.00		40 25MAR13	29DEC13
A5AH00A475	Parallel Taxiway - Utilities	29B	CREW	E1	4.00		38 08APR13	29DEC13
A5AH00A476	Connector Taxiways	29C					78 02JUL12	29DEC13
A5AH00A477	Connector Taxiways - Demolition	29C	CREW	D4	1.00		23 02JUL12	09DEC12
A5AH00A478	Connector Taxiways - Earthwork/Fdn	29C	CREW	E5	2.00		33 19NOV12	07JUL13
A5AH00A479	Connector Taxiways - Pavement	29C	CREW	P2	2.00		35 29APR13	29DEC13
A5AH00A480	Connector Taxiways - Utilities	29C	CREW	E1	2.00		41 18MAR13	29DEC13
A5AH00A481	Airside Service Road	29D					51 07JAN13	29DEC13
A5AH00A482	Airside Service Road - Pavement	29D	CREW	P2	2.00		51 07JAN13	29DEC13
A5AH38A01	Taxiway A	38A					58 19NOV12	29DEC13
A5AH38A03	Taxiway - Earthwork/Fdn	38A	CREW	E5	2.00		25 19NOV12	12MAY13
A5AH38A04	Taxiway - Pavement	38A	CREW	P2	1.00		51 07JAN13	29DEC13
A5AH38A05	Taxiway - Utilities	38A	CREW	E1	1.00		52 31DEC12	29DEC13

Center Taxiway for 24 L-4

A5AI00A467	CONSTRUCTION	00					52 30DEC13	28DEC14
A5AI00A476	Connector Taxiways	30C					52 30DEC13	28DEC14
A5AI00A477	Connector Taxiways - Demolition	30C	CREW	D4	3.00		26 30DEC13	29JUN14
A5AI00A478	Connector Taxiways - Earthwork/Fdn	30C	CREW	E5	3.00		25 10MAR14	31AUG14
A5AI00A479	Connector Taxiways - Pavement	30C	CREW	P2	2.00		42 10MAR14	28DEC14
A5AI00A480	Connector Taxiways - Utilities	30C	CREW	E1	2.00		47 03FEB14	28DEC14
A5AI00A481	Rapid Exit Taxiways	30D					52 30DEC13	28DEC14
A5AI00A482	Rapid Exit Taxiways - Demolition	30D	CREW	D4	3.00		17 30DEC13	27APR14
A5AI00A483	Rapid Exit Taxiways - Earthwork/Fdn	30D	CREW	E5	3.00		17 21APR14	17AUG14
A5AI00A484	Rapid Exit Taxiways - Pavement	30D	CREW	P2	2.00		25 07JUL14	28DEC14
A5AI00A485	Rapid Exit Taxiways - Utilities	30D	CREW	E1	2.00		21 04AUG14	28DEC14
A5AI00A468	Runway Extension	30A					27 30DEC13	06JUL14
A5AI00A469	Runway - Earthwork/Fdn	30A	CREW	E5	1.00		18 30DEC13	04MAY14
A5AI00A470	Runway - Pavement	30A	CREW	P2	1.00		4 05MAY14	01JUN14
A5AI00A471	Runway - Utilities	30A	CREW	E1	1.00		5 02JUN14	06JUL14
A5AI00A472	Parallel Taxiway F	30B					52 30DEC13	28DEC14
A5AI00A473	Parallel Taxiway - Earthwork/Fdn	30B	CREW	E5	2.00		29 30DEC13	20JUL14
A5AI00A474	Parallel Taxiway - Pavement	30B	CREW	P2	2.00		28 17MAR14	28SEP14
A5AI00A475	Parallel Taxiway - Utilities	30B	CREW	E1	2.00		27 23JUN14	28DEC14
A5AI00A486	Airside Service Road	30E					51 30DEC13	21DEC14
A5AI00A487	Airside Service Road - Pavement	30E	CREW	P3	2.00		51 30DEC13	21DEC14

Attachment D
Construction Activities Emissions Inventories

LAX Master Plan - Alternative D
Construction Emissions - Summary (10 Feb 2003 Schedule, CARB OFFROAD Model Emission Factors)

	Total															
		2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Project Emissions (tons)	CO	4,924	0	0	2	218	592	580	587	529	420	291	324	405	592	383
	ROC	2,181	0	0	2	167	226	222	222	212	192	173	177	189	215	184
	NOx	10,148	0	0	2	362	1,468	1,336	1,349	1,147	853	490	570	739	1,162	670
	SOx	36	0	0	0	11	3	3	3	2	1	2	2	3	2	0
	PM10	2,757	0	0	0	75	477	309	281	243	249	113	141	230	395	244
Annual Emissions (tons/year)		CO	0	0	2	218	592	580	587	529	420	291	324	405	592	383
		ROC	0	0	2	167	226	222	222	212	192	173	177	189	215	184
		NOx	0	0	2	362	1,468	1,336	1,349	1,147	853	490	570	739	1,162	670
		SOx	0	0	0	11	3	3	3	2	1	2	2	3	2	0
		PM10	0	0	0	75	477	309	281	243	249	113	141	230	395	244

Pollutant	CEQA	2001				2002				2003				2004				2005			
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
CO	24.75	0	0	0	0	0	0	0	0	0	0	0	0	2	19	22	69	108	95	137	170
ROC	2.5	0	0	0	0	0	0	0	0	0	0	0	0	2	15	17	53	83	36	52	65
NOx	2.5	0	0	0	0	0	0	0	0	0	0	0	0	2	32	36	115	179	236	338	421
SOx	6.75	0	0	0	0	0	0	0	0	0	0	0	0	1	1	3	5	1	1	1	1
PM10	6.75	0	0	0	0	0	0	0	0	0	0	0	0	7	7	24	37	77	110	137	154

Pollutant	CEQA	2006				2007				2008				2009				2010			
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
CO	24.75	179	124	136	141	121	144	163	160	159	144	130	95	80	125	120	95	77	64	59	90
ROC	2.5	68	47	52	54	46	54	62	60	64	58	52	38	36	57	55	43	46	38	35	54
NOx	2.5	412	286	313	325	277	331	374	367	345	313	282	206	162	255	244	193	130	108	100	153
SOx	6.75	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	0	0	0	0
PM10	6.75	95	66	72	75	58	69	78	76	73	66	60	44	47	74	71	56	30	25	23	35

Pollutant	CEQA	2011				2012				2013				2014				2015			
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
CO	24.75	79	94	77	73	83	67	122	133	145	192	136	119	98	123	91	72	0	0	0	0
ROC	2.5	43	51	42	40	39	31	57	62	53	70	49	43	47	59	44	34	0	0	0	0
NOx	2.5	140	165	136	129	151	123	223	242	286	377	266	234	171	214	159	126	0	0	0	0
SOx	6.75	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0	0	0	0	0
PM10	6.75	34	41	34	32	47	38	70	76	97	128	91	79	62	78	58	46	0	0	0	0

Notes:

CEQA = California Environmental Quality Act threshold (a project is considered significant by the SCAQMD if construction-related emissions exceed the CEQA emission thresholds)

Emissions estimates use emission factors from CARB OFFROAD Model, Years 2004-2015

PM10 emissions include both fugitive and combustion PM10.

Mitigation:

Off-Road Diesel Equipment: No Mitigation

Diesel Generators: No Mitigation

Fugitive Dust: No Mitigation (Assumes Watering, per Rule 403)

LAX Master Plan - Alternative D
Construction Emissions - Summary (10 Feb 2003 Schedule, CARB OFFROAD Model Emission Factors)

			Total																
				2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	
Project Emissions (tons)	CO	4,924	Annual Emissions (tons/year)	CO	0	0	2	218	592	580	587	529	420	291	324	405	592	383	0
	ROC	2,181		ROC	0	0	2	167	226	222	222	212	192	173	177	189	215	184	0
	NOx	7,677		NOx	0	0	1	264	1,128	1,000	996	845	654	364	423	572	902	527	0
	SOx	36		SOx	0	0	0	11	3	3	3	3	2	1	2	2	3	2	0
	PM10	1,878		PM10	0	0	0	50	330	208	186	160	172	76	95	159	273	170	0

		2001				2002				2003				2004				2005			
Pollutant	CEQA	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
CO	24.75	0	0	0	0	0	0	0	0	0	0	0	2	19	22	69	108	95	137	170	191
ROC	2.5	0	0	0	0	0	0	0	0	0	0	0	2	15	17	53	83	36	52	65	73
NOx	2.5	0	0	0	0	0	0	0	0	0	0	0	1	24	26	84	131	181	260	324	363
SOx	6.75	0	0	0	0	0	0	0	0	0	0	0	0	1	1	3	5	1	1	1	1
PM10	6.75	0	0	0	0	0	0	0	0	0	0	0	0	4	5	16	25	53	76	95	106

Pollutant	CEQA	2006				2007				2008				2009				2010			
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
CO	24.75	179	124	136	141	121	144	163	160	159	144	130	95	80	125	120	95	77	64	59	90
ROC	2.5	68	47	52	54	46	54	62	60	64	58	52	38	36	57	55	43	46	38	35	54
NOx	2.5	308	214	234	243	205	245	277	271	255	231	208	152	124	195	187	148	96	80	74	113
SOx	6.75	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	0	0	0	0
PM10	6.75	64	44	49	50	38	46	52	50	48	44	39	29	33	51	49	39	20	17	16	24

Pollutant	CEQA	2011				2012				2013				2014				2015			
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
CO	24.75	79	94	77	73	83	67	122	133	145	192	136	119	98	123	91	72	0	0	0	0
ROC	2.5	43	51	42	40	39	31	57	62	53	70	49	43	47	59	44	34	0	0	0	0
NOx	2.5	104	123	101	96	117	95	173	187	222	292	207	181	135	168	125	99	0	0	0	0
SOx	6.75	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0	0	0	0	0
PM10	6.75	23	27	23	21	32	26	48	52	67	88	63	55	43	54	40	32	0	0	0	0

Notes:

CEQA = California Environmental Quality Act threshold (a project is considered significant by the SCAQMD if construction-related emissions exceed the CEQA emission thresholds)

Emissions estimates use emission factors from CARB OFFROAD Model, Years 2004-2015

PM10 emissions include both fugitive and combustion PM10.

Mitigation:

Off-Road Diesel Equipment: Lubrisol Fuel, Particulate Traps, Injection Timing Retarding

Diesel Generators: Electric Power, Lubrisol Fuel, Particulate Traps

Fugitive Dust: Soil Stabilizers

Attachment E
Annual LTO Data by Aircraft and
Runway for the LAX Master Plan

Table E1

Aircraft Landing/Takeoff Operations (LTO) Year 2000

Aircraft Name	Annual LTOs	Percentage		LTOs	
		RWY 24	RWY 25	RWY 24	RWY 25
Passenger Aircraft					
A319	7090	19%	81%	1351	5740
A320	20933	42%	58%	8778	12155
A330	338	0%	100%	0	338
A340-200	338	0%	100%	0	338
A340-200	338	0%	100%	0	338
B727-200	338	100%	0%	338	0
B727-200	4727	7%	93%	338	4389
B737-200	675	100%	0%	675	0
B737-300	47268	65%	35%	30724	16544
B737-400	13167	77%	23%	10129	3039
B737-400	4727	86%	14%	4052	675
B737-500	19920	49%	51%	9791	10129
B737-500	2363	100%	0%	2363	0
B737-800	3376	30%	70%	1013	2363
B747 Combination	338	0%	100%	0	338
B747-200	338	100%	0%	338	0
B747-200	4052	33%	67%	1351	2701
B747-400	13505	40%	60%	5402	8103
B747-400	675	100%	0%	675	0
B757-200	338	0%	100%	0	338
B757-200	42203	22%	78%	9454	32750
B767-200	8103	8%	92%	675	7428
B767-200	3039	33%	67%	1013	2026
B767-300	10466	13%	87%	1351	9116
B777-200	3039	11%	89%	338	2701
DC10-30	5402	31%	69%	1688	3714
DC9-50	5064	13%	87%	675	4389
EMB-120	54695	98%	2%	53345	1351
F-28-4000	1013	100%	0%	1013	0
FOKKER 100-100	1351	25%	75%	338	1013
GenAvJet	8778	0%	100%	0	8778
GenAvProp	9116	0%	100%	0	9116
L1011-500	3376	30%	70%	1013	2363
MD-11	2701	50%	50%	1351	1351
MD-11	338	0%	100%	0	338
MD-80	34438	41%	59%	14180	20258
MD-90-10	1688	40%	60%	675	1013
SF-340A	25322	76%	24%	19245	6077
Total	364973			183668	181305
Cargo Aircraft					
A300-600 Cargo	338	0%	100%	0	338
A300-C4-2 Cargo	338	0%	100%	0	338
A310-200 Cargo	675	0%	100%	0	675
B727 Cargo	5064	0%	100%	0	5064
B747-200 Cargo	675	0%	100%	0	675
B747-400 Cargo	675	0%	100%	0	675
B757-200 Cargo	1013	0%	100%	0	1013
B767-200 Cargo	675	0%	100%	0	675
DC10-30 Cargo	4389	0%	100%	0	4389
DC8-70 Cargo	338	0%	100%	0	338
DC8-70 Cargo	675	0%	100%	0	675
DC9-30 Cargo	1351	0%	100%	0	1351
GenAvProp Cargo	1013	0%	100%	0	1013
MD-11 Cargo	1013	0%	100%	0	1013
SWM Cargo	1013	0%	100%	0	1013
Total	19245			0	19245

Source: Camp Dresser & McKee Inc., 2003

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Table E2

Aircraft Landing/Takeoff Operations (LTO) Alternative D - 2013/2015

Aircraft Name	Annual LTOs	Percentage		LTOs	
		RWY 24	RWY 25	RWY 24	RWY 25
Passenger Aircraft					
FOKKER 100-100	1029	33%	67%	343	686
A310-200	2402	0%	100%	0	2402
A319	686	50%	50%	343	343
A320	8234	25%	75%	2059	6176
A330	3431	60%	40%	2059	1372
A340-200	3088	67%	33%	2059	1029
B737-300	30879	56%	44%	17155	13724
B737-400	8921	46%	54%	4117	4803
B737-500	7891	65%	35%	5147	2745
B737-500	3774	18%	82%	686	3088
B747-400	20929	74%	26%	15440	5490
B747-200	1372	75%	25%	1029	343
B747 Combination	2745	75%	25%	2059	686
B747-X	4803	100%	0%	4803	0
B757-200	65532	67%	33%	43917	21615
B767-300	13381	54%	46%	7205	6176
B767-200	12009	20%	80%	2402	9607
B777-200	9950	48%	52%	4803	5147
A300B	21615	24%	76%	5147	16469
ATR72-200	4460	46%	54%	2059	2402
ATR42	8921	62%	38%	5490	3431
BH-1900	6862	65%	35%	4460	2402
Canadair RJ50	8234	46%	54%	3774	4460
Canadair RJ70	686	100%	0%	686	0
GenAvProp	14753	0%	100%	0	14753
DASH-7	10979	50%	50%	5490	5490
EMB-120	3431	80%	20%	2745	686
EMB110KQ1	4803	71%	29%	3431	1372
FOKKER 50	3431	60%	40%	2059	1372
FOKKER 70	1372	50%	50%	686	686
GenAvJet	3088	0%	100%	0	3088
Jetstream 31	7205	43%	57%	3088	4117
MD-11	16126	64%	36%	10293	5833
MD-80	13381	44%	56%	5833	7548
MD-80-87	343	100%	0%	343	0
MD-90-10	5490	50%	50%	2745	2745
MD-90-95	5833	41%	59%	2402	3431
Saab 2000	10636	61%	39%	6519	4117
SHORT 360	1029	67%	33%	686	343
SF-340A	5833	71%	29%	4117	1716
Swearingen Metro 2	12009	43%	57%	5147	6862
Total	371577			192822	178755
Cargo Aircraft					
A300-C4-200 Cargo	1029	0%	100%	0	1029
A310-200 Cargo	1029	0%	100%	0	1029
B737-200C Cargo	2745	13%	88%	343	2402
B747-400 Cargo	2059	17%	83%	343	1716
B747-200 Cargo	2402	43%	57%	1029	1372
B757-200 Cargo	1372	0%	100%	0	1372
B767-200 Cargo	2059	0%	100%	0	2059
BH-1900 Cargo	1029	0%	100%	0	1029
GenAvProp Cargo	2745	13%	88%	343	2402
DC10-30 Cargo	2059	0%	100%	0	2059
MD-11 Cargo	1716	20%	80%	343	1372
Total	20243			2402	17841

Source: Camp Dresser & McKee Inc., 2003

Attachment F
Ground Support Equipment Emission Indices

Table F1

Ground Support Equipment Emission Indices

Year	Type	Fuel	Min. Power	Max. Power	CO G/HPHR	HC G/HPHR	NOX G/HPHR	SOX G/HPHR	PM G/HPHR
1990	Air Conditioner, Narrow Body	D	175	300	3.171720	0.968740	11.662870	0.808910	0.929260
1990	Air Conditioner, Wide Body	D	175	300	3.171720	0.968740	11.662870	0.808910	0.929260
1990	Air Start	G	175	300	239.999860	11.790200	7.240080	0.175700	0.068020
1990	Air Start, 180 PPM	D	300	600	3.246900	1.074610	12.981580	0.808390	1.087990
1990	Air Start, 300 PPM	D	750	1000	3.246900	1.074610	12.981580	0.808390	1.087990
1990	Aircraft Tractor, Commuter/Reg	C	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
1990	Aircraft Tractor, Commuter/Reg	D	50	100	4.939870	1.090800	11.944440	0.817180	1.289130
1990	Aircraft Tractor, Commuter/Reg	G	100	175	348.012540	12.770600	7.240100	0.174260	0.068020
1990	Aircraft Tractor, Commuter/Reg	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
1990	Aircraft Tractor, Mid-Range	D	175	300	4.939870	1.090800	11.944440	0.817180	1.289130
1990	Aircraft Tractor, Narrow Body	C	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
1990	Aircraft Tractor, Narrow Body	D	50	100	4.939870	1.090800	11.944440	0.817180	1.289130
1990	Aircraft Tractor, Narrow Body	G	100	175	348.012540	12.770600	7.240100	0.174260	0.068020
1990	Aircraft Tractor, Narrow Body	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
1990	Aircraft Tractor, Wide Body	D	300	600	4.939870	1.090800	11.944440	0.817180	1.289130
1990	Aircraft Tug Towbarless Narrow	D	50	100	4.939870	1.090800	11.944440	0.817180	1.289130
1990	Aircraft Tug Towbarless Wide	D	600	750	4.939870	1.090800	11.944440	0.817180	1.289130
1990	Baggage Tractor, Commuter	C	50	100	48.376810	48.357700	12.177160	0.013230	0.056750
1990	Baggage Tractor, Commuter	D	50	100	5.414180	1.159630	10.468470	0.907750	1.346460
1990	Baggage Tractor, Commuter	G	100	175	347.957670	12.706720	7.239990	0.174260	0.068010
1990	Baggage Tractor, Commuter	L	100	175	48.376810	3.291280	12.177160	0.013230	0.056750
1990	Baggage Tractor, Narrow Body	C	50	100	48.376810	48.357700	12.177160	0.013230	0.056750
1990	Baggage Tractor, Narrow Body	D	50	100	5.414180	1.159630	10.468470	0.907750	1.346460
1990	Baggage Tractor, Narrow Body	G	100	175	347.957670	12.706720	7.239990	0.174260	0.068010
1990	Baggage Tractor, Narrow Body	L	100	175	48.376810	3.291280	12.177160	0.013230	0.056750
1990	Baggage Tractor, Wide Body	C	50	100	48.376810	48.357700	12.177160	0.013230	0.056750
1990	Baggage Tractor, Wide Body	D	50	100	5.414180	1.159630	10.468470	0.907750	1.346460
1990	Baggage Tractor, Wide Body	G	100	175	347.957670	12.706720	7.239990	0.174260	0.068010
1990	Baggage Tractor, Wide Body	L	100	175	48.376810	3.291280	12.177160	0.013230	0.056750
1990	Belt Loader, Commuter	C	50	100	33.361250	37.196290	12.176980	0.013270	0.056750
1990	Belt Loader, Commuter	D	50	100	3.506350	1.119670	11.462920	0.899070	1.107530
1990	Belt Loader, Commuter	G	100	175	241.064050	10.025060	7.243270	0.175680	0.068250
1990	Belt Loader, Commuter	L	100	175	33.361250	2.536110	12.176980	0.013270	0.056750
1990	Belt Loader, Narrow Body	C	50	100	33.361250	37.196290	12.176980	0.013270	0.056750
1990	Belt Loader, Narrow Body	D	50	100	3.506350	1.119670	11.462920	0.899070	1.107530
1990	Belt Loader, Narrow Body	G	100	175	241.064050	10.025060	7.243270	0.175680	0.068250
1990	Belt Loader, Narrow Body	L	100	175	33.361250	2.536110	12.176980	0.013270	0.056750
1990	Belt Loader, Wide Body	C	50	100	33.361250	37.196290	12.176980	0.013270	0.056750
1990	Belt Loader, Wide Body	D	50	100	3.506350	1.119670	11.462920	0.899070	1.107530
1990	Belt Loader, Wide Body	G	100	175	241.064050	10.025060	7.243270	0.175680	0.068250
1990	Belt Loader, Wide Body	L	100	175	33.361250	2.536110	12.176980	0.013270	0.056750
1990	Bobtail	C	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
1990	Bobtail	D	175	300	4.927960	1.078040	11.799520	0.817250	1.267670
1990	Bobtail	G	100	175	349.206750	12.711590	7.242580	0.174240	0.068200
1990	Bobtail	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
1990	Cabin Service Truck, Comm/Reg	C	50	100	48.333720	48.238890	12.176080	0.013230	0.056710
1990	Cabin Service Truck, Comm/Reg	D	50	100	3.366920	0.925690	7.180040	0.809120	1.501260
1990	Cabin Service Truck, Comm/Reg	G	100	175	51.923210	5.230100	5.323180	0.215090	0.067200
1990	Cabin Service Truck, Comm/Reg	L	100	175	48.333720	3.289020	12.176080	0.013230	0.056710
1990	Cabin Service Truck, Narrow	C	300	600	48.333720	48.238890	12.176080	0.013230	0.056710
1990	Cabin Service Truck, Narrow	D	175	300	3.366920	0.925690	7.180040	0.809120	1.501260
1990	Cabin Service Truck, Narrow	G	175	300	51.923210	5.230100	5.323180	0.215090	0.067200
1990	Cabin Service Truck, Narrow	L	175	300	48.333720	3.289020	12.176080	0.013230	0.056710
1990	Cabin Service Truck, Wide Body	C	300	600	48.333720	48.238890	12.176080	0.013230	0.056710
1990	Cabin Service Truck, Wide Body	D	175	300	3.366920	0.925690	7.180040	0.809120	1.501260
1990	Cabin Service Truck, Wide Body	G	175	300	51.923210	5.230100	5.323180	0.215090	0.067200
1990	Cabin Service Truck, Wide Body	L	175	300	48.333720	3.289020	12.176080	0.013230	0.056710
1990	Cargo Loader, Narrow Body	C	50	100	48.294960	48.294410	12.175110	0.013230	0.056680
1990	Cargo Loader, Narrow Body	D	50	100	8.256680	2.345650	13.605270	0.948490	2.012030
1990	Cargo Loader, Narrow Body	G	100	175	349.347930	12.941040	7.242870	0.174240	0.068220
1990	Cargo Loader, Narrow Body	L	100	175	48.294960	3.286980	12.175110	0.013230	0.056680
1990	Cargo Loader, Wide, Lower Lobe	C	50	100	48.294960	48.294410	12.175110	0.013230	0.056680
1990	Cargo Loader, Wide, Lower Lobe	D	50	100	8.256680	2.345650	13.605270	0.948490	2.012030
1990	Cargo Loader, Wide, Lower Lobe	G	100	175	349.347930	12.941040	7.242870	0.174240	0.068220
1990	Cargo Loader, Wide, Lower Lobe	L	100	175	48.294960	3.286980	12.175110	0.013230	0.056680
1990	Cargo Loader, Wide, Main Deck	D	100	175	8.256680	2.345650	13.605270	0.948490	2.012030
1990	Cargo Tractor	C	50	100	48.370980	48.353190	12.177020	0.013230	0.056750
1990	Cargo Tractor	D	50	100	5.232660	1.191890	12.007210	0.907590	1.429470

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Table F1

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Year	Type	Fuel	Min. Power	Max. Power	CO G/HPHR	HC G/HPHR	NOX G/HPHR	SOX G/HPHR	PM G/HPHR
1990	Cargo Tractor	G	100	175	351.244570	12.809150	7.246800	0.174220	0.068510
1990	Cargo Tractor	L	100	175	48.370980	3.290980	12.177020	0.013230	0.056750
1990	Cart	C	25	40	0.000000	0.000000	0.000000	0.000000	0.000000
1990	Cart	D	25	40	0.000000	0.000000	0.000000	0.000000	0.000000
1990	Cart	G	25	40	347.999800	18.636850	7.240080	0.174260	0.068020
1990	Cart	L	25	40	0.000000	0.000000	0.000000	0.000000	0.000000
1990	Catering Truck, Commuter/Reg	C	50	100	48.333720	48.238890	12.176080	0.013230	0.056710
1990	Catering Truck, Commuter/Reg	D	50	100	3.366920	0.925690	7.180040	0.809120	1.501260
1990	Catering Truck, Commuter/Reg	G	100	175	51.923210	5.230100	5.323180	0.215090	0.067200
1990	Catering Truck, Commuter/Reg	L	100	175	48.333720	3.289020	12.176080	0.013230	0.056710
1990	Catering Truck, Narrow Body	C	300	600	48.333720	48.238890	12.176080	0.013230	0.056710
1990	Catering Truck, Narrow Body	D	175	300	3.366920	0.925690	7.180040	0.809120	1.501260
1990	Catering Truck, Narrow Body	G	175	300	51.923210	5.230100	5.323180	0.215090	0.067200
1990	Catering Truck, Narrow Body	L	175	300	48.333720	3.289020	12.176080	0.013230	0.056710
1990	Catering Truck, Wide Body	C	300	600	48.333720	48.238890	12.176080	0.013230	0.056710
1990	Catering Truck, Wide Body	D	175	300	3.366920	0.925690	7.180040	0.809120	1.501260
1990	Catering Truck, Wide Body	G	175	300	51.923210	5.230100	5.323180	0.215090	0.067200
1990	Catering Truck, Wide Body	L	175	300	48.333720	3.289020	12.176080	0.013230	0.056710
1990	Deicer, Dual Engine	C	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
1990	Deicer, Dual Engine	D	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
1990	Deicer, Dual Engine	G	175	300	239.813720	10.782650	7.239520	0.175700	0.067980
1990	Deicer, Dual Engine	L	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
1990	Deicer, Single Engine	C	50	100	0.000000	0.000000	0.000000	0.000000	0.000000
1990	Deicer, Single Engine	D	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
1990	Deicer, Single Engine	G	100	175	239.813720	10.782650	7.239520	0.175700	0.067980
1990	Deicer, Single Engine	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
1990	Fork Lift	C	50	100	48.448760	48.413320	12.178970	0.013230	0.056820
1990	Fork Lift	D	50	100	8.347310	2.465770	14.326540	0.947900	2.160340
1990	Fork Lift	G	50	100	347.999780	13.403710	7.240080	0.174260	0.068020
1990	Fork Lift	L	50	100	48.448760	3.295070	12.178970	0.013230	0.056820
1990	Fuel Truck, Ground Equipment	C	300	600	48.294960	48.208970	12.175110	0.013230	0.056680
1990	Fuel Truck, Ground Equipment	D	175	300	4.151310	1.055860	7.550380	0.808490	1.968400
1990	Fuel Truck, Ground Equipment	G	175	300	55.278650	5.478510	5.454160	0.206680	0.067500
1990	Fuel Truck, Ground Equipment	L	175	300	48.294960	3.286980	12.175110	0.013230	0.056680
1990	Fuel Truck, Large, 8,000+ gal	D	300	600	4.151310	1.055860	7.550380	0.808490	1.968400
1990	Fuel Truck, MidSize, 3-6,000 g	C	300	600	48.294960	48.208970	12.175110	0.013230	0.056680
1990	Fuel Truck, MidSize, 3-6,000 g	D	175	300	4.151310	1.055860	7.550380	0.808490	1.968400
1990	Fuel Truck, MidSize, 3-6,000 g	G	300	600	55.278650	5.478510	5.454160	0.206680	0.067500
1990	Fuel Truck, MidSize, 3-6,000 g	L	300	600	48.294960	3.286980	12.175110	0.013230	0.056680
1990	Fuel Truck, Small, < 3,000 gal	C	300	600	48.294960	48.208970	12.175110	0.013230	0.056680
1990	Fuel Truck, Small, < 3,000 gal	D	175	300	4.151310	1.055860	7.550380	0.808490	1.968400
1990	Fuel Truck, Small, < 3,000 gal	G	300	600	55.278650	5.478510	5.454160	0.206680	0.067500
1990	Fuel Truck, Small, < 3,000 gal	L	300	600	48.294960	3.286980	12.175110	0.013230	0.056680
1990	Generator	C	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
1990	Generator	D	100	175	3.246930	1.074610	12.981590	0.808390	1.088010
1990	Generator	G	100	175	239.999840	9.899160	7.240080	0.175700	0.068020
1990	Generator	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
1990	Ground Power Unit, 28VDC	C	50	100	0.000000	0.000000	0.000000	0.000000	0.000000
1990	Ground Power Unit, 28VDC	D	50	100	3.185110	0.983950	11.850380	0.808840	0.954690
1990	Ground Power Unit, 28VDC	G	100	175	239.851490	9.811900	7.239630	0.175700	0.067980
1990	Ground Power Unit, 28VDC	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
1990	Ground Power Unit, 400 Hz	D	175	300	3.185110	0.983950	11.850380	0.808840	0.954690
1990	Hydrant Truck, Narrow Body	C	300	600	0.000000	0.000000	0.000000	0.000000	0.000000
1990	Hydrant Truck, Narrow Body	D	175	300	4.480900	1.111670	7.710000	0.808210	2.157150
1990	Hydrant Truck, Narrow Body	G	175	300	52.870830	5.153130	5.360130	0.212720	0.067290
1990	Hydrant Truck, Narrow Body	L	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
1990	Hydrant Truck, Wide Body	C	300	600	0.000000	0.000000	0.000000	0.000000	0.000000
1990	Hydrant Truck, Wide Body	D	175	300	4.480900	1.111670	7.710000	0.808210	2.157150
1990	Hydrant Truck, Wide Body	G	175	300	52.870830	5.153130	5.360130	0.212720	0.067290
1990	Hydrant Truck, Wide Body	L	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
1990	Lavatory Truck, Narrow Body	C	50	100	48.294960	48.208970	12.175110	0.013230	0.056680
1990	Lavatory Truck, Narrow Body	D	50	100	4.403530	1.098330	7.671880	0.808280	2.114140
1990	Lavatory Truck, Narrow Body	G	50	100	46.841840	5.062430	5.126040	0.227730	0.066720
1990	Lavatory Truck, Narrow Body	L	50	100	48.294960	3.286980	12.175110	0.013230	0.056680
1990	Lavatory Truck, Wide Body	C	300	600	48.294960	48.208970	12.175110	0.013230	0.056680
1990	Lavatory Truck, Wide Body	D	175	300	4.403530	1.098330	7.671880	0.808280	2.114140
1990	Lavatory Truck, Wide Body	G	175	300	46.841840	5.062430	5.126040	0.227730	0.066720
1990	Lavatory Truck, Wide Body	L	175	300	48.294960	3.286980	12.175110	0.013230	0.056680

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Table F1

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Year	Type	Fuel	Min. Power	Max. Power	CO G/HPHR	HC G/HPHR	NOX G/HPHR	SOX G/HPHR	PM G/HPHR
1990	Lift	C	100	175	48.294960	48.294410	12.175110	0.013230	0.056680
1990	Lift	D	100	175	8.347140	2.465700	14.326150	0.947900	2.160190
1990	Lift	G	100	175	348.460980	12.914510	7.241030	0.174250	0.068090
1990	Lift	L	100	175	48.294960	3.286980	12.175110	0.013230	0.056680
1990	Other	C	0	9999	48.312040	48.307620	12.175530	0.013230	0.056690
1990	Other	D	0	9999	4.919250	1.072210	11.734620	0.817270	1.255940
1990	Other	G	0	9999	348.162750	12.856490	7.240410	0.174260	0.068040
1990	Other	L	0	9999	48.312040	3.287870	12.175530	0.013230	0.056690
1990	Passenger Stand	C	50	100	48.245940	48.171130	12.173880	0.013230	0.056630
1990	Passenger Stand	D	50	100	4.474620	1.110820	7.707500	0.808220	2.152430
1990	Passenger Stand	G	100	175	56.747120	6.548270	5.512560	0.202910	0.067610
1990	Passenger Stand	L	100	175	48.245940	3.284400	12.173880	0.013230	0.056630
1990	Service Truck	C	300	600	48.295790	48.209610	12.175130	0.013230	0.056680
1990	Service Truck	D	175	300	4.261670	1.074410	7.603390	0.808400	2.032430
1990	Service Truck	G	175	300	56.744010	6.073290	5.512440	0.202910	0.067610
1990	Service Truck	L	175	300	48.295790	3.287020	12.175130	0.013230	0.056680
1990	Sweeper	C	40	50	48.387020	48.365580	12.177420	0.013230	0.056760
1990	Sweeper	D	50	100	5.232510	1.191880	12.007150	0.907590	1.429370
1990	Sweeper	G	50	100	348.012330	13.289690	7.240100	0.174260	0.068020
1990	Sweeper	L	40	50	48.387020	3.291820	12.177420	0.013230	0.056760
1990	Water Service	C	300	600	0.000000	0.000000	0.000000	0.000000	0.000000
1990	Water Service	D	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
1990	Water Service	G	175	300	56.748680	5.997540	5.512570	0.202910	0.067610
1990	Water Service	L	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
1991	Air Conditioner, Narrow Body	D	175	300	3.122950	0.906740	10.895600	0.809220	0.828480
1991	Air Conditioner, Wide Body	D	175	300	3.122950	0.906740	10.895600	0.809220	0.828480
1991	Air Start	G	175	300	239.999890	11.790200	7.240080	0.175700	0.068020
1991	Air Start, 180 PPM	D	300	600	3.223130	1.043340	12.592220	0.808550	1.041780
1991	Air Start, 300 PPM	D	750	1000	3.223130	1.043340	12.592220	0.808550	1.041780
1991	Aircraft Tractor, Commuter/Reg	C	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
1991	Aircraft Tractor, Commuter/Reg	D	50	100	4.892410	1.049010	11.473170	0.817390	1.214140
1991	Aircraft Tractor, Commuter/Reg	G	100	175	348.012540	12.770600	7.240100	0.174260	0.068020
1991	Aircraft Tractor, Commuter/Reg	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
1991	Aircraft Tractor, Mid-Range	D	175	300	4.892410	1.049010	11.473170	0.817390	1.214140
1991	Aircraft Tractor, Narrow Body	C	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
1991	Aircraft Tractor, Narrow Body	D	50	100	4.892410	1.049010	11.473170	0.817390	1.214140
1991	Aircraft Tractor, Narrow Body	G	100	175	348.012540	12.770600	7.240100	0.174260	0.068020
1991	Aircraft Tractor, Narrow Body	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
1991	Aircraft Tractor, Wide Body	D	300	600	4.892410	1.049010	11.473170	0.817390	1.214140
1991	Aircraft Tug Towbarless Narrow	D	50	100	4.892410	1.049010	11.473170	0.817390	1.214140
1991	Aircraft Tug Towbarless Wide	D	600	750	4.892410	1.049010	11.473170	0.817390	1.214140
1991	Baggage Tractor, Commuter	C	50	100	48.376810	48.357690	12.177160	0.013230	0.056750
1991	Baggage Tractor, Commuter	D	50	100	5.516120	1.140180	9.562320	0.907840	1.290270
1991	Baggage Tractor, Commuter	G	100	175	347.957670	12.706720	7.239990	0.174260	0.068010
1991	Baggage Tractor, Commuter	L	100	175	48.376810	3.291280	12.177160	0.013230	0.056750
1991	Baggage Tractor, Narrow Body	C	50	100	48.376810	48.357690	12.177160	0.013230	0.056750
1991	Baggage Tractor, Narrow Body	D	50	100	5.516120	1.140180	9.562320	0.907840	1.290270
1991	Baggage Tractor, Narrow Body	G	100	175	347.957670	12.706720	7.239990	0.174260	0.068010
1991	Baggage Tractor, Narrow Body	L	100	175	48.376810	3.291280	12.177160	0.013230	0.056750
1991	Baggage Tractor, Wide Body	C	50	100	48.376810	48.357690	12.177160	0.013230	0.056750
1991	Baggage Tractor, Wide Body	D	50	100	5.516120	1.140180	9.562320	0.907840	1.290270
1991	Baggage Tractor, Wide Body	G	100	175	347.957670	12.706720	7.239990	0.174260	0.068010
1991	Baggage Tractor, Wide Body	L	100	175	48.376810	3.291280	12.177160	0.013230	0.056750
1991	Belt Loader, Commuter	C	50	100	33.361250	37.196310	12.176980	0.013270	0.056750
1991	Belt Loader, Commuter	D	50	100	3.565180	1.103670	10.614940	0.899150	1.067480
1991	Belt Loader, Commuter	G	100	175	241.064060	10.025060	7.243270	0.175680	0.068250
1991	Belt Loader, Commuter	L	100	175	33.361250	2.536110	12.176980	0.013270	0.056750
1991	Belt Loader, Narrow Body	C	50	100	33.361250	37.196310	12.176980	0.013270	0.056750
1991	Belt Loader, Narrow Body	D	50	100	3.565180	1.103670	10.614940	0.899150	1.067480
1991	Belt Loader, Narrow Body	G	100	175	241.064060	10.025060	7.243270	0.175680	0.068250
1991	Belt Loader, Narrow Body	L	100	175	33.361250	2.536110	12.176980	0.013270	0.056750
1991	Belt Loader, Wide Body	C	50	100	33.361250	37.196310	12.176980	0.013270	0.056750
1991	Belt Loader, Wide Body	D	50	100	3.565180	1.103670	10.614940	0.899150	1.067480
1991	Belt Loader, Wide Body	G	100	175	241.064060	10.025060	7.243270	0.175680	0.068250
1991	Belt Loader, Wide Body	L	100	175	33.361250	2.536110	12.176980	0.013270	0.056750
1991	Bobtail	C	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
1991	Bobtail	D	175	300	4.874990	1.031580	11.276040	0.817470	1.183330
1991	Bobtail	G	100	175	349.206740	12.711590	7.242580	0.174240	0.068200

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Year	Type	Fuel	Min. Power	Max. Power	CO G/HPHR	HC G/HPHR	NOX G/HPHR	SOX G/HPHR	PM G/HPHR
1991	Bobtail	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
1991	Cabin Service Truck, Comm/Reg	C	50	100	48.333720	48.238890	12.176080	0.013230	0.056710
1991	Cabin Service Truck, Comm/Reg	D	50	100	2.747670	0.787680	6.557120	0.809800	1.119460
1991	Cabin Service Truck, Comm/Reg	G	100	175	46.374780	4.960380	5.140580	0.226720	0.066650
1991	Cabin Service Truck, Comm/Reg	L	100	175	48.333720	3.289020	12.176080	0.013230	0.056710
1991	Cabin Service Truck, Narrow	C	300	600	48.333720	48.238890	12.176080	0.013230	0.056710
1991	Cabin Service Truck, Narrow	D	175	300	2.747670	0.787680	6.557120	0.809800	1.119460
1991	Cabin Service Truck, Narrow	G	175	300	46.374780	4.960380	5.140580	0.226720	0.066650
1991	Cabin Service Truck, Narrow	L	175	300	48.333720	3.289020	12.176080	0.013230	0.056710
1991	Cabin Service Truck, Wide Body	C	300	600	48.333720	48.238890	12.176080	0.013230	0.056710
1991	Cabin Service Truck, Wide Body	D	175	300	2.747670	0.787680	6.557120	0.809800	1.119460
1991	Cabin Service Truck, Wide Body	G	175	300	46.374780	4.960380	5.140580	0.226720	0.066650
1991	Cabin Service Truck, Wide Body	L	175	300	48.333720	3.289020	12.176080	0.013230	0.056710
1991	Cargo Loader, Narrow Body	C	50	100	48.294960	48.294410	12.175110	0.013230	0.056680
1991	Cargo Loader, Narrow Body	D	50	100	8.164000	2.238920	12.968520	0.949010	1.870000
1991	Cargo Loader, Narrow Body	G	100	175	349.347940	12.941040	7.242870	0.174240	0.068220
1991	Cargo Loader, Narrow Body	L	100	175	48.294960	3.286980	12.175110	0.013230	0.056680
1991	Cargo Loader, Wide, Lower Lobe	C	50	100	48.294960	48.294410	12.175110	0.013230	0.056680
1991	Cargo Loader, Wide, Lower Lobe	D	50	100	8.164000	2.238920	12.968520	0.949010	1.870000
1991	Cargo Loader, Wide, Lower Lobe	G	100	175	349.347940	12.941040	7.242870	0.174240	0.068220
1991	Cargo Loader, Wide, Lower Lobe	L	100	175	48.294960	3.286980	12.175110	0.013230	0.056680
1991	Cargo Loader, Wide, Main Deck	D	100	175	8.164000	2.238920	12.968520	0.949010	1.870000
1991	Cargo Tractor	C	50	100	48.370980	48.353180	12.177020	0.013230	0.056750
1991	Cargo Tractor	D	50	100	5.283100	1.181940	11.540940	0.907640	1.403280
1991	Cargo Tractor	G	100	175	351.244640	12.809160	7.246800	0.174220	0.068510
1991	Cargo Tractor	L	100	175	48.370980	3.290980	12.177020	0.013230	0.056750
1991	Cart	C	25	40	0.000000	0.000000	0.000000	0.000000	0.000000
1991	Cart	D	25	40	0.000000	0.000000	0.000000	0.000000	0.000000
1991	Cart	G	25	40	347.999770	18.636850	7.240080	0.174260	0.068020
1991	Cart	L	25	40	0.000000	0.000000	0.000000	0.000000	0.000000
1991	Catering Truck, Commuter/Reg	C	50	100	48.333720	48.238890	12.176080	0.013230	0.056710
1991	Catering Truck, Commuter/Reg	D	50	100	2.747670	0.787680	6.557120	0.809800	1.119460
1991	Catering Truck, Commuter/Reg	G	100	175	46.374780	4.960380	5.140580	0.226720	0.066650
1991	Catering Truck, Commuter/Reg	L	100	175	48.333720	3.289020	12.176080	0.013230	0.056710
1991	Catering Truck, Narrow Body	C	300	600	48.333720	48.238890	12.176080	0.013230	0.056710
1991	Catering Truck, Narrow Body	D	175	300	2.747670	0.787680	6.557120	0.809800	1.119460
1991	Catering Truck, Narrow Body	G	175	300	46.374780	4.960380	5.140580	0.226720	0.066650
1991	Catering Truck, Narrow Body	L	175	300	48.333720	3.289020	12.176080	0.013230	0.056710
1991	Catering Truck, Wide Body	C	300	600	48.333720	48.238890	12.176080	0.013230	0.056710
1991	Catering Truck, Wide Body	D	175	300	2.747670	0.787680	6.557120	0.809800	1.119460
1991	Catering Truck, Wide Body	G	175	300	46.374780	4.960380	5.140580	0.226720	0.066650
1991	Catering Truck, Wide Body	L	175	300	48.333720	3.289020	12.176080	0.013230	0.056710
1991	Deicer, Dual Engine	C	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
1991	Deicer, Dual Engine	D	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
1991	Deicer, Dual Engine	G	175	300	239.813740	10.782650	7.239520	0.175700	0.067980
1991	Deicer, Dual Engine	L	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
1991	Deicer, Single Engine	C	50	100	0.000000	0.000000	0.000000	0.000000	0.000000
1991	Deicer, Single Engine	D	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
1991	Deicer, Single Engine	G	100	175	239.813740	10.782650	7.239520	0.175700	0.067980
1991	Deicer, Single Engine	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
1991	Fork Lift	C	50	100	48.448760	48.413330	12.178970	0.013230	0.056820
1991	Fork Lift	D	50	100	8.286060	2.393990	13.896990	0.948250	2.069470
1991	Fork Lift	G	50	100	347.999790	13.403710	7.240080	0.174260	0.068020
1991	Fork Lift	L	50	100	48.448760	3.295070	12.178970	0.013230	0.056820
1991	Fuel Truck, Ground Equipment	C	300	600	48.294960	48.208970	12.175110	0.013230	0.056680
1991	Fuel Truck, Ground Equipment	D	175	300	3.786480	0.974340	7.192240	0.808890	1.754960
1991	Fuel Truck, Ground Equipment	G	175	300	51.065680	5.274540	5.311930	0.215800	0.067160
1991	Fuel Truck, Ground Equipment	L	175	300	48.294960	3.286980	12.175110	0.013230	0.056680
1991	Fuel Truck, Large, 8,000+ gal	D	300	600	3.786480	0.974340	7.192240	0.808890	1.754960
1991	Fuel Truck, MidSize, 3-6,000 g	C	300	600	48.294960	48.208970	12.175110	0.013230	0.056680
1991	Fuel Truck, MidSize, 3-6,000 g	D	175	300	3.786480	0.974340	7.192240	0.808890	1.754960
1991	Fuel Truck, MidSize, 3-6,000 g	G	300	600	51.065680	5.274540	5.311930	0.215800	0.067160
1991	Fuel Truck, MidSize, 3-6,000 g	L	300	600	48.294960	3.286980	12.175110	0.013230	0.056680
1991	Fuel Truck, MidSize, < 3,000 gal	C	300	600	48.294960	48.208970	12.175110	0.013230	0.056680
1991	Fuel Truck, Small, < 3,000 gal	D	175	300	3.786480	0.974340	7.192240	0.808890	1.754960
1991	Fuel Truck, Small, < 3,000 gal	G	300	600	51.065680	5.274540	5.311930	0.215800	0.067160
1991	Fuel Truck, Small, < 3,000 gal	L	300	600	48.294960	3.286980	12.175110	0.013230	0.056680
1991	Generator	C	100	175	0.000000	0.000000	0.000000	0.000000	0.000000

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Year	Type	Fuel	Min. Power	Max. Power	CO G/HPHR	HC G/HPHR	NOX G/HPHR	SOX G/HPHR	PM G/HPHR
1991	Generator	D	100	175	3.223150	1.043340	12.592230	0.808550	1.041800
1991	Generator	G	100	175	239.999830	9.899160	7.240080	0.175700	0.068020
1991	Generator	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
1991	Ground Power Unit, 28VDC	C	50	100	0.000000	0.000000	0.000000	0.000000	0.000000
1991	Ground Power Unit, 28VDC	D	50	100	3.140720	0.927270	11.148280	0.809120	0.863700
1991	Ground Power Unit, 28VDC	G	100	175	239.851460	9.811900	7.239630	0.175700	0.067980
1991	Ground Power Unit, 28VDC	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
1991	Ground Power Unit, 400 Hz	D	175	300	3.140720	0.927270	11.148280	0.809120	0.863700
1991	Hydrant Truck, Narrow Body	C	300	600	0.000000	0.000000	0.000000	0.000000	0.000000
1991	Hydrant Truck, Narrow Body	D	175	300	4.234000	1.056450	7.470500	0.808480	2.016330
1991	Hydrant Truck, Narrow Body	G	175	300	47.613340	4.896970	5.185340	0.223870	0.066790
1991	Hydrant Truck, Narrow Body	L	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
1991	Hydrant Truck, Wide Body	C	300	600	0.000000	0.000000	0.000000	0.000000	0.000000
1991	Hydrant Truck, Wide Body	D	175	300	4.234000	1.056450	7.470500	0.808480	2.016330
1991	Hydrant Truck, Wide Body	G	175	300	47.613340	4.896970	5.185340	0.223870	0.066790
1991	Hydrant Truck, Wide Body	L	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
1991	Lavatory Truck, Narrow Body	C	50	100	48.294950	48.208970	12.175110	0.013230	0.056680
1991	Lavatory Truck, Narrow Body	D	50	100	4.133480	1.037730	7.407160	0.808570	1.959140
1991	Lavatory Truck, Narrow Body	G	50	100	39.238740	4.689690	4.884790	0.242920	0.065740
1991	Lavatory Truck, Narrow Body	L	50	100	48.294950	3.286980	12.175110	0.013230	0.056680
1991	Lavatory Truck, Wide Body	C	300	600	48.294950	48.208970	12.175110	0.013230	0.056680
1991	Lavatory Truck, Wide Body	D	175	300	4.133480	1.037730	7.407160	0.808570	1.959140
1991	Lavatory Truck, Wide Body	G	175	300	39.238740	4.689690	4.884790	0.242920	0.065740
1991	Lavatory Truck, Wide Body	L	175	300	48.294950	3.286980	12.175110	0.013230	0.056680
1991	Lift	C	100	175	48.294960	48.294410	12.175110	0.013230	0.056680
1991	Lift	D	100	175	8.285870	2.393900	13.896480	0.948250	2.069290
1991	Lift	G	100	175	348.460950	12.914510	7.241030	0.174250	0.068090
1991	Lift	L	100	175	48.294960	3.286980	12.175110	0.013230	0.056680
1991	Other	C	0	9999	48.312050	48.307630	12.175540	0.013230	0.056690
1991	Other	D	0	9999	4.865390	1.025050	11.203430	0.817510	1.169920
1991	Other	G	0	9999	348.162760	12.856490	7.240410	0.174260	0.068040
1991	Other	L	0	9999	48.312050	3.287880	12.175540	0.013230	0.056690
1991	Passenger Stand	C	50	100	48.245940	48.171130	12.173880	0.013230	0.056630
1991	Passenger Stand	D	50	100	4.226150	1.055260	7.466490	0.808490	2.010710
1991	Passenger Stand	G	100	175	53.018560	6.367660	5.384900	0.211120	0.067340
1991	Passenger Stand	L	100	175	48.245940	3.284400	12.173880	0.013230	0.056630
1991	Service Truck	C	300	600	48.295790	48.209610	12.175130	0.013230	0.056680
1991	Service Truck	D	175	300	3.937050	1.002040	7.287630	0.808750	1.844120
1991	Service Truck	G	175	300	53.014340	5.892630	5.384760	0.211130	0.067340
1991	Service Truck	L	175	300	48.295790	3.287020	12.175130	0.013230	0.056680
1991	Sweeper	C	40	50	48.387020	48.365580	12.177420	0.013230	0.056760
1991	Sweeper	D	50	100	5.282940	1.181930	11.540880	0.907640	1.403180
1991	Sweeper	G	50	100	348.012320	13.289690	7.240100	0.174260	0.068020
1991	Sweeper	L	40	50	48.387020	3.291820	12.177420	0.013230	0.056760
1991	Water Service	C	300	600	0.000000	0.000000	0.000000	0.000000	0.000000
1991	Water Service	D	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
1991	Water Service	G	175	300	53.020040	5.816930	5.384920	0.211120	0.067340
1991	Water Service	L	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
1992	Air Conditioner, Narrow Body	D	175	300	3.076650	0.848820	10.180730	0.809500	0.730250
1992	Air Conditioner, Wide Body	D	175	300	3.076650	0.848820	10.180730	0.809500	0.730250
1992	Air Start	G	175	300	239.999840	11.795900	7.240080	0.175700	0.068020
1992	Air Start, 180 PPM	D	300	600	3.199900	1.013040	12.215520	0.808700	0.995960
1992	Air Start, 300 PPM	D	750	1000	3.199900	1.013040	12.215520	0.808700	0.995960
1992	Aircraft Tractor, Commuter/Reg	C	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
1992	Aircraft Tractor, Commuter/Reg	D	50	100	4.845940	1.008510	11.017320	0.817590	1.139320
1992	Aircraft Tractor, Commuter/Reg	G	100	175	348.012550	12.771260	7.240100	0.174260	0.068020
1992	Aircraft Tractor, Commuter/Reg	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
1992	Aircraft Tractor, Mid-Range	D	175	300	4.845940	1.008510	11.017320	0.817590	1.139320
1992	Aircraft Tractor, Narrow Body	C	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
1992	Aircraft Tractor, Narrow Body	D	50	100	4.845940	1.008510	11.017320	0.817590	1.139320
1992	Aircraft Tractor, Narrow Body	G	100	175	348.012550	12.771260	7.240100	0.174260	0.068020
1992	Aircraft Tractor, Narrow Body	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
1992	Aircraft Tractor, Wide Body	D	300	600	4.845940	1.008510	11.017320	0.817590	1.139320
1992	Aircraft Tug Towbarless Narrow	D	50	100	4.845940	1.008510	11.017320	0.817590	1.139320
1992	Aircraft Tug Towbarless Wide	D	600	750	4.845940	1.008510	11.017320	0.817590	1.139320
1992	Baggage Tractor, Commuter	C	50	100	48.376810	48.357700	12.177160	0.013230	0.056750
1992	Baggage Tractor, Commuter	D	50	100	5.612850	1.122000	8.718090	0.907930	1.235530
1992	Baggage Tractor, Commuter	G	100	175	347.957660	12.707210	7.239990	0.174260	0.068010

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Table F1

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Year	Type	Fuel	Min. Power	Max. Power	CO G/HPHR	HC G/HPHR	NOX G/HPHR	SOX G/HPHR	PM G/HPHR
1992	Baggage Tractor, Commuter	L	100	175	48.376810	3.291280	12.177160	0.013230	0.056750
1992	Baggage Tractor, Narrow Body	C	50	100	48.376810	48.357700	12.177160	0.013230	0.056750
1992	Baggage Tractor, Narrow Body	D	50	100	5.612850	1.122000	8.718090	0.907930	1.235530
1992	Baggage Tractor, Narrow Body	G	100	175	347.957660	12.707210	7.239990	0.174260	0.068010
1992	Baggage Tractor, Narrow Body	L	100	175	48.376810	3.291280	12.177160	0.013230	0.056750
1992	Baggage Tractor, Wide Body	C	50	100	48.376810	48.357700	12.177160	0.013230	0.056750
1992	Baggage Tractor, Wide Body	D	50	100	5.612850	1.122000	8.718090	0.907930	1.235530
1992	Baggage Tractor, Wide Body	G	100	175	347.957660	12.707210	7.239990	0.174260	0.068010
1992	Baggage Tractor, Wide Body	L	100	175	48.376810	3.291280	12.177160	0.013230	0.056750
1992	Belt Loader, Commuter	C	50	100	33.361250	37.196310	12.176980	0.013270	0.056750
1992	Belt Loader, Commuter	D	50	100	3.620940	1.088720	9.824110	0.899230	1.028600
1992	Belt Loader, Commuter	G	100	175	241.064060	10.025830	7.243270	0.175680	0.068250
1992	Belt Loader, Commuter	L	100	175	33.361250	2.536110	12.176980	0.013270	0.056750
1992	Belt Loader, Narrow Body	C	50	100	33.361250	37.196310	12.176980	0.013270	0.056750
1992	Belt Loader, Narrow Body	D	50	100	3.620940	1.088720	9.824110	0.899230	1.028600
1992	Belt Loader, Narrow Body	G	100	175	241.064060	10.025830	7.243270	0.175680	0.068250
1992	Belt Loader, Narrow Body	L	100	175	33.361250	2.536110	12.176980	0.013270	0.056750
1992	Belt Loader, Wide Body	C	50	100	33.361250	37.196310	12.176980	0.013270	0.056750
1992	Belt Loader, Wide Body	D	50	100	3.620940	1.088720	9.824110	0.899230	1.028600
1992	Belt Loader, Wide Body	G	100	175	241.064060	10.025830	7.243270	0.175680	0.068250
1992	Belt Loader, Wide Body	L	100	175	33.361250	2.536110	12.176980	0.013270	0.056750
1992	Bobtail	C	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
1992	Bobtail	D	175	300	4.824890	0.988120	10.787430	0.817690	1.101920
1992	Bobtail	G	100	175	349.206760	12.712000	7.242580	0.174240	0.068200
1992	Bobtail	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
1992	Cabin Service Truck, Comm/Reg	C	50	100	48.333730	48.238890	12.176080	0.013230	0.056710
1992	Cabin Service Truck, Comm/Reg	D	50	100	2.174780	0.661550	5.984120	0.810420	0.756940
1992	Cabin Service Truck, Comm/Reg	G	100	175	40.851120	4.690130	4.962910	0.237950	0.065970
1992	Cabin Service Truck, Comm/Reg	L	100	175	48.333730	3.289020	12.176080	0.013230	0.056710
1992	Cabin Service Truck, Narrow	C	300	600	48.333730	48.238890	12.176080	0.013230	0.056710
1992	Cabin Service Truck, Narrow	D	175	300	2.174780	0.661550	5.984120	0.810420	0.756940
1992	Cabin Service Truck, Narrow	G	175	300	40.851120	4.690130	4.962910	0.237950	0.065970
1992	Cabin Service Truck, Narrow	L	175	300	48.333730	3.289020	12.176080	0.013230	0.056710
1992	Cabin Service Truck, Wide Body	C	300	600	48.333730	48.238890	12.176080	0.013230	0.056710
1992	Cabin Service Truck, Wide Body	D	175	300	2.174780	0.661550	5.984120	0.810420	0.756940
1992	Cabin Service Truck, Wide Body	G	175	300	40.851120	4.690130	4.962910	0.237950	0.065970
1992	Cabin Service Truck, Wide Body	L	175	300	48.333730	3.289020	12.176080	0.013230	0.056710
1992	Cargo Loader, Narrow Body	C	50	100	48.294960	48.294410	12.175110	0.013230	0.056680
1992	Cargo Loader, Narrow Body	D	50	100	8.073090	2.135480	12.352790	0.949520	1.727680
1992	Cargo Loader, Narrow Body	G	100	175	349.347910	12.942070	7.242870	0.174240	0.068220
1992	Cargo Loader, Narrow Body	L	100	175	48.294960	3.286980	12.175110	0.013230	0.056680
1992	Cargo Loader, Wide, Lower Lobe	C	50	100	48.294960	48.294410	12.175110	0.013230	0.056680
1992	Cargo Loader, Wide, Lower Lobe	D	50	100	8.073090	2.135480	12.352790	0.949520	1.727680
1992	Cargo Loader, Wide, Lower Lobe	G	100	175	349.347910	12.942070	7.242870	0.174240	0.068220
1992	Cargo Loader, Wide, Lower Lobe	L	100	175	48.294960	3.286980	12.175110	0.013230	0.056680
1992	Cargo Loader, Wide, Main Deck	D	100	175	8.073090	2.135480	12.352790	0.949520	1.727680
1992	Cargo Tractor	C	50	100	48.370980	48.353190	12.177020	0.013230	0.056750
1992	Cargo Tractor	D	50	100	5.332360	1.172300	11.089850	0.907680	1.377320
1992	Cargo Tractor	G	100	175	351.244600	12.809680	7.246800	0.174220	0.068510
1992	Cargo Tractor	L	100	175	48.370980	3.290980	12.177020	0.013230	0.056750
1992	Cart	C	25	40	0.000000	0.000000	0.000000	0.000000	0.000000
1992	Cart	D	25	40	0.000000	0.000000	0.000000	0.000000	0.000000
1992	Cart	G	25	40	347.999770	18.653580	7.240080	0.174260	0.068020
1992	Cart	L	25	40	0.000000	0.000000	0.000000	0.000000	0.000000
1992	Catering Truck, Commuter/Reg	C	50	100	48.333730	48.238890	12.176080	0.013230	0.056710
1992	Catering Truck, Commuter/Reg	D	50	100	2.174780	0.661550	5.984120	0.810420	0.756940
1992	Catering Truck, Commuter/Reg	G	100	175	40.851120	4.690130	4.962910	0.237950	0.065970
1992	Catering Truck, Commuter/Reg	L	100	175	48.333730	3.289020	12.176080	0.013230	0.056710
1992	Catering Truck, Narrow Body	C	300	600	48.333730	48.238890	12.176080	0.013230	0.056710
1992	Catering Truck, Narrow Body	D	175	300	2.174780	0.661550	5.984120	0.810420	0.756940
1992	Catering Truck, Narrow Body	G	175	300	40.851120	4.690130	4.962910	0.237950	0.065970
1992	Catering Truck, Narrow Body	L	175	300	48.333730	3.289020	12.176080	0.013230	0.056710
1992	Catering Truck, Wide Body	C	300	600	48.333730	48.238890	12.176080	0.013230	0.056710
1992	Catering Truck, Wide Body	D	175	300	2.174780	0.661550	5.984120	0.810420	0.756940
1992	Catering Truck, Wide Body	G	175	300	40.851120	4.690130	4.962910	0.237950	0.065970
1992	Catering Truck, Wide Body	L	175	300	48.333730	3.289020	12.176080	0.013230	0.056710
1992	Deicer, Dual Engine	C	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
1992	Deicer, Dual Engine	D	175	300	0.000000	0.000000	0.000000	0.000000	0.000000

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Year	Type	Fuel	Min. Power	Max. Power	CO G/HPHR	HC G/HPHR	NOX G/HPHR	SOX G/HPHR	PM G/HPHR
1992	Deicer, Dual Engine	G	175	300	239.813720	10.785610	7.239520	0.175700	0.067980
1992	Deicer, Dual Engine	L	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
1992	Deicer, Single Engine	C	50	100	0.000000	0.000000	0.000000	0.000000	0.000000
1992	Deicer, Single Engine	D	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
1992	Deicer, Single Engine	G	100	175	239.813720	10.785610	7.239520	0.175700	0.067980
1992	Deicer, Single Engine	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
1992	Fork Lift	C	50	100	48.448760	48.413330	12.178970	0.013230	0.056820
1992	Fork Lift	D	50	100	8.226250	2.324440	13.481420	0.948590	1.979360
1992	Fork Lift	G	50	100	347.999740	13.406110	7.240080	0.174260	0.068020
1992	Fork Lift	L	50	100	48.448760	3.295070	12.178970	0.013230	0.056820
1992	Fuel Truck, Ground Equipment	C	300	600	48.294950	48.208970	12.175100	0.013230	0.056680
1992	Fuel Truck, Ground Equipment	D	175	300	3.427650	0.895260	6.845560	0.809270	1.541120
1992	Fuel Truck, Ground Equipment	G	175	300	46.745440	5.064670	5.168750	0.224930	0.066730
1992	Fuel Truck, Ground Equipment	L	175	300	48.294950	3.286980	12.175100	0.013230	0.056680
1992	Fuel Truck, Large, 8,000+ gal	D	300	600	3.427650	0.895260	6.845560	0.809270	1.541120
1992	Fuel Truck, MidSize, 3-6,000 g	C	300	600	48.294950	48.208970	12.175100	0.013230	0.056680
1992	Fuel Truck, MidSize, 3-6,000 g	D	175	300	3.427650	0.895260	6.845560	0.809270	1.541120
1992	Fuel Truck, MidSize, 3-6,000 g	G	300	600	46.745440	5.064670	5.168750	0.224930	0.066730
1992	Fuel Truck, MidSize, 3-6,000 g	L	300	600	48.294950	3.286980	12.175100	0.013230	0.056680
1992	Fuel Truck, Small, < 3,000 gal	C	300	600	48.294950	48.208970	12.175100	0.013230	0.056680
1992	Fuel Truck, Small, < 3,000 gal	D	175	300	3.427650	0.895260	6.845560	0.809270	1.541120
1992	Fuel Truck, Small, < 3,000 gal	G	300	600	46.745440	5.064670	5.168750	0.224930	0.066730
1992	Fuel Truck, Small, < 3,000 gal	L	300	600	48.294950	3.286980	12.175100	0.013230	0.056680
1992	Generator	C	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
1992	Generator	D	100	175	3.199920	1.013050	12.215530	0.808700	0.995980
1992	Generator	G	100	175	239.999860	9.899680	7.240080	0.175700	0.068020
1992	Generator	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
1992	Ground Power Unit, 28VDC	C	50	100	0.000000	0.000000	0.000000	0.000000	0.000000
1992	Ground Power Unit, 28VDC	D	50	100	3.098640	0.874330	10.494280	0.809380	0.775260
1992	Ground Power Unit, 28VDC	G	100	175	239.851470	9.812200	7.239630	0.175700	0.067980
1992	Ground Power Unit, 28VDC	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
1992	Ground Power Unit, 400 Hz	D	175	300	3.098640	0.874330	10.494280	0.809380	0.775260
1992	Hydrant Truck, Narrow Body	C	300	600	0.000000	0.000000	0.000000	0.000000	0.000000
1992	Hydrant Truck, Narrow Body	D	175	300	3.991260	1.002290	7.234180	0.808750	1.876040
1992	Hydrant Truck, Narrow Body	G	175	300	42.384170	4.640350	5.015230	0.234650	0.066180
1992	Hydrant Truck, Narrow Body	L	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
1992	Hydrant Truck, Wide Body	C	300	600	0.000000	0.000000	0.000000	0.000000	0.000000
1992	Hydrant Truck, Wide Body	D	175	300	3.991260	1.002290	7.234180	0.808750	1.876040
1992	Hydrant Truck, Wide Body	G	175	300	42.384170	4.640350	5.015230	0.234650	0.066180
1992	Hydrant Truck, Wide Body	L	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
1992	Lavatory Truck, Narrow Body	C	50	100	48.294960	48.208970	12.175110	0.013230	0.056680
1992	Lavatory Truck, Narrow Body	D	50	100	3.859510	0.976900	7.141990	0.808870	1.799560
1992	Lavatory Truck, Narrow Body	G	50	100	31.850940	4.326210	4.658150	0.257040	0.064590
1992	Lavatory Truck, Narrow Body	L	50	100	48.294960	3.286980	12.175110	0.013230	0.056680
1992	Lavatory Truck, Wide Body	C	300	600	48.294960	48.208970	12.175110	0.013230	0.056680
1992	Lavatory Truck, Wide Body	D	175	300	3.859510	0.976900	7.141990	0.808870	1.799560
1992	Lavatory Truck, Wide Body	G	175	300	31.850940	4.326210	4.658150	0.257040	0.064590
1992	Lavatory Truck, Wide Body	L	175	300	48.294960	3.286980	12.175110	0.013230	0.056680
1992	Lift	C	100	175	48.294960	48.294410	12.175110	0.013230	0.056680
1992	Lift	D	100	175	8.226040	2.324340	13.480800	0.948590	1.979160
1992	Lift	G	100	175	348.460980	12.915530	7.241030	0.174250	0.068090
1992	Lift	L	100	175	48.294960	3.286980	12.175110	0.013230	0.056680
1992	Other	C	0	9999	48.312030	48.307620	12.175530	0.013230	0.056690
1992	Other	D	0	9999	4.812590	0.979350	10.689820	0.817730	1.083820
1992	Other	G	0	9999	348.162770	12.857370	7.240410	0.174260	0.068040
1992	Other	L	0	9999	48.312030	3.287870	12.175530	0.013230	0.056690
1992	Passenger Stand	C	50	100	48.245940	48.171130	12.173880	0.013230	0.056630
1992	Passenger Stand	D	50	100	3.981870	1.000750	7.228680	0.808760	1.869520
1992	Passenger Stand	G	100	175	49.318730	6.191610	5.260860	0.219060	0.067010
1992	Passenger Stand	L	100	175	48.245940	3.284400	12.173880	0.013230	0.056630
1992	Service Truck	C	300	600	48.295790	48.209610	12.175130	0.013230	0.056680
1992	Service Truck	D	175	300	3.616770	0.930980	6.975900	0.809100	1.655220
1992	Service Truck	G	175	300	49.313410	5.715230	5.260680	0.219070	0.067010
1992	Service Truck	L	175	300	48.295790	3.287020	12.175130	0.013230	0.056680
1992	Sweeper	C	40	50	48.387020	48.365580	12.177420	0.013230	0.056760
1992	Sweeper	D	50	100	5.332210	1.172290	11.089790	0.907680	1.377220
1992	Sweeper	G	50	100	348.012220	13.291770	7.240100	0.174260	0.068020
1992	Sweeper	L	40	50	48.387020	3.291820	12.177420	0.013230	0.056760

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Year	Type	Fuel	Min. Power	Max. Power	CO G/HPHR	HC G/HPHR	NOX G/HPHR	SOX G/HPHR	PM G/HPHR
1992	Water Service	C	300	600	0.000000	0.000000	0.000000	0.000000	0.000000
1992	Water Service	D	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
1992	Water Service	G	175	300	49.320140	5.639370	5.260880	0.219060	0.067010
1992	Water Service	L	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
1993	Air Conditioner, Narrow Body	D	175	300	3.034550	0.796950	9.542440	0.809760	0.638710
1993	Air Conditioner, Wide Body	D	175	300	3.034550	0.796950	9.542440	0.809760	0.638710
1993	Air Start	G	175	300	239.999860	11.790200	7.240080	0.175700	0.068020
1993	Air Start, 180 PPM	D	300	600	3.177240	0.983710	11.851320	0.808840	0.950590
1993	Air Start, 300 PPM	D	750	1000	3.177240	0.983710	11.851320	0.808840	0.950590
1993	Aircraft Tractor, Commuter/Reg	C	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
1993	Aircraft Tractor, Commuter/Reg	D	50	100	4.800480	0.969280	10.576670	0.817780	1.064790
1993	Aircraft Tractor, Commuter/Reg	G	100	175	348.012480	12.770590	7.240100	0.174260	0.068020
1993	Aircraft Tractor, Commuter/Reg	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
1993	Aircraft Tractor, Mid-Range	D	175	300	4.800480	0.969280	10.576670	0.817780	1.064790
1993	Aircraft Tractor, Narrow Body	C	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
1993	Aircraft Tractor, Narrow Body	D	50	100	4.800480	0.969280	10.576670	0.817780	1.064790
1993	Aircraft Tractor, Narrow Body	G	100	175	348.012480	12.770590	7.240100	0.174260	0.068020
1993	Aircraft Tractor, Narrow Body	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
1993	Aircraft Tractor, Wide Body	D	300	600	4.800480	0.969280	10.576670	0.817780	1.064790
1993	Aircraft Tug Towbarless Narrow	D	50	100	4.800480	0.969280	10.576670	0.817780	1.064790
1993	Aircraft Tug Towbarless Wide	D	600	750	4.800480	0.969280	10.576670	0.817780	1.064790
1993	Baggage Tractor, Commuter	C	50	100	48.376820	48.357700	12.177160	0.013230	0.056750
1993	Baggage Tractor, Commuter	D	50	100	5.700790	1.105730	7.964320	0.908010	1.184530
1993	Baggage Tractor, Commuter	G	100	175	347.957650	12.706720	7.239990	0.174260	0.068010
1993	Baggage Tractor, Commuter	L	100	175	48.376820	3.291280	12.177160	0.013230	0.056750
1993	Baggage Tractor, Narrow Body	C	50	100	48.376820	48.357700	12.177160	0.013230	0.056750
1993	Baggage Tractor, Narrow Body	D	50	100	5.700790	1.105730	7.964320	0.908010	1.184530
1993	Baggage Tractor, Narrow Body	G	100	175	347.957650	12.706720	7.239990	0.174260	0.068010
1993	Baggage Tractor, Narrow Body	L	100	175	48.376820	3.291280	12.177160	0.013230	0.056750
1993	Baggage Tractor, Wide Body	C	50	100	48.376820	48.357700	12.177160	0.013230	0.056750
1993	Baggage Tractor, Wide Body	D	50	100	5.700790	1.105730	7.964320	0.908010	1.184530
1993	Baggage Tractor, Wide Body	G	100	175	347.957650	12.706720	7.239990	0.174260	0.068010
1993	Baggage Tractor, Wide Body	L	100	175	48.376820	3.291280	12.177160	0.013230	0.056750
1993	Belt Loader, Commuter	C	50	100	33.361250	37.196290	12.176980	0.013270	0.056750
1993	Belt Loader, Commuter	D	50	100	3.673630	1.074780	9.088680	0.899290	0.991040
1993	Belt Loader, Commuter	G	100	175	241.064060	10.025060	7.243270	0.175680	0.068250
1993	Belt Loader, Commuter	L	100	175	33.361250	2.536110	12.176980	0.013270	0.056750
1993	Belt Loader, Narrow Body	C	50	100	33.361250	37.196290	12.176980	0.013270	0.056750
1993	Belt Loader, Narrow Body	D	50	100	3.673630	1.074780	9.088680	0.899290	0.991040
1993	Belt Loader, Narrow Body	G	100	175	241.064060	10.025060	7.243270	0.175680	0.068250
1993	Belt Loader, Narrow Body	L	100	175	33.361250	2.536110	12.176980	0.013270	0.056750
1993	Belt Loader, Wide Body	C	50	100	33.361250	37.196290	12.176980	0.013270	0.056750
1993	Belt Loader, Wide Body	D	50	100	3.673630	1.074780	9.088680	0.899290	0.991040
1993	Belt Loader, Wide Body	G	100	175	241.064060	10.025060	7.243270	0.175680	0.068250
1993	Belt Loader, Wide Body	L	100	175	33.361250	2.536110	12.176980	0.013270	0.056750
1993	Bobtail	C	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
1993	Bobtail	D	175	300	4.775830	0.946050	10.315340	0.817890	1.020670
1993	Bobtail	G	100	175	349.206750	12.711590	7.242580	0.174240	0.068200
1993	Bobtail	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
1993	Cabin Service Truck, Comm/Reg	C	50	100	48.333730	48.238890	12.176080	0.013230	0.056710
1993	Cabin Service Truck, Comm/Reg	D	50	100	1.803150	0.570710	5.526320	0.810860	0.519310
1993	Cabin Service Truck, Comm/Reg	G	100	175	35.361080	4.417820	4.790160	0.248770	0.065190
1993	Cabin Service Truck, Comm/Reg	L	100	175	48.333730	3.289020	12.176080	0.013230	0.056710
1993	Cabin Service Truck, Narrow	C	300	600	48.333730	48.238890	12.176080	0.013230	0.056710
1993	Cabin Service Truck, Narrow	D	175	300	1.803150	0.570710	5.526320	0.810860	0.519310
1993	Cabin Service Truck, Narrow	G	175	300	35.361080	4.417820	4.790160	0.248770	0.065190
1993	Cabin Service Truck, Narrow	L	175	300	48.333730	3.289020	12.176080	0.013230	0.056710
1993	Cabin Service Truck, Wide Body	C	300	600	48.333730	48.238890	12.176080	0.013230	0.056710
1993	Cabin Service Truck, Wide Body	D	175	300	1.803150	0.570710	5.526320	0.810860	0.519310
1993	Cabin Service Truck, Wide Body	G	175	300	35.361080	4.417820	4.790160	0.248770	0.065190
1993	Cabin Service Truck, Wide Body	L	175	300	48.333730	3.289020	12.176080	0.013230	0.056710
1993	Cargo Loader, Narrow Body	C	50	100	48.294960	48.294410	12.175110	0.013230	0.056680
1993	Cargo Loader, Narrow Body	D	50	100	7.984010	2.035310	11.757790	0.950010	1.585360
1993	Cargo Loader, Narrow Body	G	100	175	349.347930	12.941040	7.242870	0.174240	0.068220
1993	Cargo Loader, Narrow Body	L	100	175	48.294960	3.286980	12.175110	0.013230	0.056680
1993	Cargo Loader, Wide, Lower Lobe	C	50	100	48.294960	48.294410	12.175110	0.013230	0.056680
1993	Cargo Loader, Wide, Lower Lobe	D	50	100	7.984010	2.035310	11.757790	0.950010	1.585360
1993	Cargo Loader, Wide, Lower Lobe	G	100	175	349.347930	12.941040	7.242870	0.174240	0.068220

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Table F1

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Year	Type	Fuel	Min. Power	Max. Power	CO G/HPHR	HC G/HPHR	NOX G/HPHR	SOX G/HPHR	PM G/HPHR
1993	Cargo Loader, Wide, Lower Lobe	L	100	175	48.294960	3.286980	12.175110	0.013230	0.056680
1993	Cargo Loader, Wide, Main Deck	D	100	175	7.984010	2.035310	11.757790	0.950010	1.585360
1993	Cargo Tractor	C	50	100	48.370980	48.353190	12.177020	0.013230	0.056750
1993	Cargo Tractor	D	50	100	5.380440	1.162970	10.653710	0.907730	1.351610
1993	Cargo Tractor	G	100	175	351.244630	12.809150	7.246800	0.174220	0.068510
1993	Cargo Tractor	L	100	175	48.370980	3.290980	12.177020	0.013230	0.056750
1993	Cart	C	25	40	0.000000	0.000000	0.000000	0.000000	0.000000
1993	Cart	D	25	40	0.000000	0.000000	0.000000	0.000000	0.000000
1993	Cart	G	25	40	347.999760	18.636850	7.240080	0.174260	0.068020
1993	Cart	L	25	40	0.000000	0.000000	0.000000	0.000000	0.000000
1993	Catering Truck, Commuter/Reg	C	50	100	48.333730	48.238890	12.176080	0.013230	0.056710
1993	Catering Truck, Commuter/Reg	D	50	100	1.803150	0.570710	5.526320	0.810860	0.519310
1993	Catering Truck, Commuter/Reg	G	100	175	35.361080	4.417820	4.790160	0.248770	0.065190
1993	Catering Truck, Commuter/Reg	L	100	175	48.333730	3.289020	12.176080	0.013230	0.056710
1993	Catering Truck, Narrow Body	C	300	600	48.333730	48.238890	12.176080	0.013230	0.056710
1993	Catering Truck, Narrow Body	D	175	300	1.803150	0.570710	5.526320	0.810860	0.519310
1993	Catering Truck, Narrow Body	G	175	300	35.361080	4.417820	4.790160	0.248770	0.065190
1993	Catering Truck, Narrow Body	L	175	300	48.333730	3.289020	12.176080	0.013230	0.056710
1993	Catering Truck, Wide Body	C	300	600	48.333730	48.238890	12.176080	0.013230	0.056710
1993	Catering Truck, Wide Body	D	175	300	1.803150	0.570710	5.526320	0.810860	0.519310
1993	Catering Truck, Wide Body	G	175	300	35.361080	4.417820	4.790160	0.248770	0.065190
1993	Catering Truck, Wide Body	L	175	300	48.333730	3.289020	12.176080	0.013230	0.056710
1993	Deicer, Dual Engine	C	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
1993	Deicer, Dual Engine	D	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
1993	Deicer, Dual Engine	G	175	300	239.813720	10.782650	7.239520	0.175700	0.067980
1993	Deicer, Dual Engine	L	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
1993	Deicer, Single Engine	C	50	100	0.000000	0.000000	0.000000	0.000000	0.000000
1993	Deicer, Single Engine	D	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
1993	Deicer, Single Engine	G	100	175	239.813720	10.782650	7.239520	0.175700	0.067980
1993	Deicer, Single Engine	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
1993	Fork Lift	C	50	100	48.448760	48.413320	12.178970	0.013230	0.056820
1993	Fork Lift	D	50	100	8.167860	2.257110	13.079630	0.948920	1.890130
1993	Fork Lift	G	50	100	347.999800	13.403710	7.240080	0.174260	0.068020
1993	Fork Lift	L	50	100	48.448760	3.295070	12.178970	0.013230	0.056820
1993	Fuel Truck, Ground Equipment	C	300	600	48.294950	48.208970	12.175100	0.013230	0.056680
1993	Fuel Truck, Ground Equipment	D	175	300	3.075070	0.818580	6.510190	0.809650	1.327320
1993	Fuel Truck, Ground Equipment	G	175	300	42.470440	4.853740	5.029600	0.233740	0.066240
1993	Fuel Truck, Ground Equipment	L	175	300	48.294950	3.286980	12.175100	0.013230	0.056680
1993	Fuel Truck, Large, 8,000+ gal	D	300	600	3.075070	0.818580	6.510190	0.809650	1.327320
1993	Fuel Truck, MidSize, 3-6,000 g	C	300	600	48.294950	48.208970	12.175100	0.013230	0.056680
1993	Fuel Truck, MidSize, 3-6,000 g	D	175	300	3.075070	0.818580	6.510190	0.809650	1.327320
1993	Fuel Truck, MidSize, 3-6,000 g	G	300	600	42.470440	4.853740	5.029600	0.233740	0.066240
1993	Fuel Truck, MidSize, 3-6,000 g	L	300	600	48.294950	3.286980	12.175100	0.013230	0.056680
1993	Fuel Truck, Small, < 3,000 gal	C	300	600	48.294950	48.208970	12.175100	0.013230	0.056680
1993	Fuel Truck, Small, < 3,000 gal	D	175	300	3.075070	0.818580	6.510190	0.809650	1.327320
1993	Fuel Truck, Small, < 3,000 gal	G	300	600	42.470440	4.853740	5.029600	0.233740	0.066240
1993	Fuel Truck, Small, < 3,000 gal	L	300	600	48.294950	3.286980	12.175100	0.013230	0.056680
1993	Generator	C	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
1993	Generator	D	100	175	3.177260	0.983710	11.851330	0.808840	0.950610
1993	Generator	G	100	175	239.999840	9.899160	7.240080	0.175700	0.068020
1993	Generator	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
1993	Ground Power Unit, 28VDC	C	50	100	0.000000	0.000000	0.000000	0.000000	0.000000
1993	Ground Power Unit, 28VDC	D	50	100	3.058900	0.825030	9.886880	0.809620	0.689720
1993	Ground Power Unit, 28VDC	G	100	175	239.851450	9.811900	7.239630	0.175700	0.067980
1993	Ground Power Unit, 28VDC	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
1993	Ground Power Unit, 400 Hz	D	175	300	3.058900	0.825030	9.886880	0.809620	0.689720
1993	Hydrant Truck, Narrow Body	C	300	600	0.000000	0.000000	0.000000	0.000000	0.000000
1993	Hydrant Truck, Narrow Body	D	175	300	3.753870	0.949800	7.005540	0.809010	1.737060
1993	Hydrant Truck, Narrow Body	G	175	300	37.168860	4.382720	4.849810	0.245040	0.065480
1993	Hydrant Truck, Narrow Body	L	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
1993	Hydrant Truck, Wide Body	C	300	600	0.000000	0.000000	0.000000	0.000000	0.000000
1993	Hydrant Truck, Wide Body	D	175	300	3.753870	0.949800	7.005540	0.809010	1.737060
1993	Hydrant Truck, Wide Body	G	175	300	37.168860	4.382720	4.849810	0.245040	0.065480
1993	Hydrant Truck, Wide Body	L	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
1993	Lavatory Truck, Narrow Body	C	50	100	48.294960	48.208970	12.175110	0.013230	0.056680
1993	Lavatory Truck, Narrow Body	D	50	100	3.591170	0.917930	6.885390	0.809160	1.641050
1993	Lavatory Truck, Narrow Body	G	50	100	24.735840	3.970680	4.445880	0.270130	0.063320
1993	Lavatory Truck, Narrow Body	L	50	100	48.294960	3.286980	12.175110	0.013230	0.056680

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Year	Type	Fuel	Min. Power	Max. Power	CO G/HPHR	HC G/HPHR	NOX G/HPHR	SOX G/HPHR	PM G/HPHR
1993	Lavatory Truck, Wide Body	C	300	600	48.294960	48.208970	12.175110	0.013230	0.056680
1993	Lavatory Truck, Wide Body	D	175	300	3.591170	0.917930	6.885390	0.809160	1.641050
1993	Lavatory Truck, Wide Body	G	175	300	24.735840	3.970680	4.445880	0.270130	0.063320
1993	Lavatory Truck, Wide Body	L	175	300	48.294960	3.286980	12.175110	0.013230	0.056680
1993	Lift	C	100	175	48.294970	48.294410	12.175110	0.013230	0.056680
1993	Lift	D	100	175	8.167640	2.256980	13.078890	0.948930	1.889900
1993	Lift	G	100	175	348.460920	12.914500	7.241030	0.174250	0.068090
1993	Lift	L	100	175	48.294970	3.286980	12.175110	0.013230	0.056680
1993	Other	C	0	9999	48.312050	48.307620	12.175540	0.013230	0.056690
1993	Other	D	0	9999	4.760870	0.935110	10.193530	0.817950	0.997790
1993	Other	G	0	9999	348.162740	12.856490	7.240410	0.174260	0.068040
1993	Other	L	0	9999	48.312050	3.287870	12.175540	0.013230	0.056690
1993	Passenger Stand	C	50	100	48.245940	48.171130	12.173870	0.013230	0.056630
1993	Passenger Stand	D	50	100	3.742960	0.947930	6.998580	0.809020	1.729640
1993	Passenger Stand	G	100	175	45.667520	6.009590	5.140420	0.226730	0.066640
1993	Passenger Stand	L	100	175	48.245940	3.284400	12.173870	0.013230	0.056630
1993	Service Truck	C	300	600	48.295790	48.209610	12.175130	0.013230	0.056680
1993	Service Truck	D	175	300	3.302480	0.862090	6.674230	0.809440	1.466890
1993	Service Truck	G	175	300	45.661060	5.534450	5.140200	0.226740	0.066640
1993	Service Truck	L	175	300	48.295790	3.287020	12.175130	0.013230	0.056680
1993	Sweeper	C	40	50	48.387020	48.365590	12.177420	0.013230	0.056760
1993	Sweeper	D	50	100	5.380280	1.162960	10.653660	0.907730	1.351520
1993	Sweeper	G	50	100	348.012330	13.289690	7.240100	0.174260	0.068020
1993	Sweeper	L	40	50	48.387020	3.291820	12.177420	0.013230	0.056760
1993	Water Service	C	300	600	0.000000	0.000000	0.000000	0.000000	0.000000
1993	Water Service	D	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
1993	Water Service	G	175	300	45.668840	5.458850	5.140430	0.226730	0.066640
1993	Water Service	L	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
1994	Air Conditioner, Narrow Body	D	175	300	2.998190	0.752810	9.000760	0.809970	0.557780
1994	Air Conditioner, Wide Body	D	175	300	2.998190	0.752810	9.000760	0.809970	0.557780
1994	Air Start	G	175	300	239.999890	11.790200	7.240080	0.175700	0.068020
1994	Air Start, 180 PPM	D	300	600	3.154330	0.954290	11.486570	0.808980	0.904080
1994	Air Start, 300 PPM	D	750	1000	3.154330	0.954290	11.486570	0.808980	0.904080
1994	Aircraft Tractor, Commuter/Reg	C	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
1994	Aircraft Tractor, Commuter/Reg	D	50	100	4.756040	0.931320	10.151010	0.817960	0.990670
1994	Aircraft Tractor, Commuter/Reg	G	100	175	348.012560	12.770600	7.240100	0.174260	0.068020
1994	Aircraft Tractor, Commuter/Reg	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
1994	Aircraft Tractor, Mid-Range	D	175	300	4.756040	0.931320	10.151010	0.817960	0.990670
1994	Aircraft Tractor, Narrow Body	C	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
1994	Aircraft Tractor, Narrow Body	D	50	100	4.756040	0.931320	10.151010	0.817960	0.990670
1994	Aircraft Tractor, Narrow Body	G	100	175	348.012560	12.770600	7.240100	0.174260	0.068020
1994	Aircraft Tractor, Narrow Body	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
1994	Aircraft Tractor, Wide Body	D	300	600	4.756040	0.931320	10.151010	0.817960	0.990670
1994	Aircraft Tug Towbarless Narrow	D	50	100	4.756040	0.931320	10.151010	0.817960	0.990670
1994	Aircraft Tug Towbarless Wide	D	600	750	4.756040	0.931320	10.151010	0.817960	0.990670
1994	Baggage Tractor, Commuter	C	50	100	48.376820	48.357700	12.177160	0.013230	0.056750
1994	Baggage Tractor, Commuter	D	50	100	5.780080	1.091270	7.296430	0.908080	1.137480
1994	Baggage Tractor, Commuter	G	100	175	347.957670	12.706720	7.239990	0.174260	0.068010
1994	Baggage Tractor, Commuter	L	100	175	48.376820	3.291280	12.177160	0.013230	0.056750
1994	Baggage Tractor, Narrow Body	C	50	100	48.376820	48.357700	12.177160	0.013230	0.056750
1994	Baggage Tractor, Narrow Body	D	50	100	5.780080	1.091270	7.296430	0.908080	1.137480
1994	Baggage Tractor, Narrow Body	G	100	175	347.957670	12.706720	7.239990	0.174260	0.068010
1994	Baggage Tractor, Narrow Body	L	100	175	48.376820	3.291280	12.177160	0.013230	0.056750
1994	Baggage Tractor, Wide Body	C	50	100	48.376820	48.357700	12.177160	0.013230	0.056750
1994	Baggage Tractor, Wide Body	D	50	100	5.780080	1.091270	7.296430	0.908080	1.137480
1994	Baggage Tractor, Wide Body	G	100	175	347.957670	12.706720	7.239990	0.174260	0.068010
1994	Baggage Tractor, Wide Body	L	100	175	48.376820	3.291280	12.177160	0.013230	0.056750
1994	Belt Loader, Commuter	C	50	100	33.361250	37.196310	12.176980	0.013270	0.056750
1994	Belt Loader, Commuter	D	50	100	3.723240	1.061820	8.406890	0.899360	0.954930
1994	Belt Loader, Commuter	G	100	175	241.064070	10.025060	7.243270	0.175680	0.068250
1994	Belt Loader, Commuter	L	100	175	33.361250	2.536110	12.176980	0.013270	0.056750
1994	Belt Loader, Narrow Body	C	50	100	33.361250	37.196310	12.176980	0.013270	0.056750
1994	Belt Loader, Narrow Body	D	50	100	3.723240	1.061820	8.406890	0.899360	0.954930
1994	Belt Loader, Narrow Body	G	100	175	241.064070	10.025060	7.243270	0.175680	0.068250
1994	Belt Loader, Narrow Body	L	100	175	33.361250	2.536110	12.176980	0.013270	0.056750
1994	Belt Loader, Wide Body	C	50	100	33.361250	37.196310	12.176980	0.013270	0.056750
1994	Belt Loader, Wide Body	D	50	100	3.723240	1.061820	8.406890	0.899360	0.954930
1994	Belt Loader, Wide Body	G	100	175	241.064070	10.025060	7.243270	0.175680	0.068250

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Ground Support Equipment Emission Indices

Year	Type	Fuel	Min. Power	Max. Power	CO G/HPHR	HC G/HPHR	NOX G/HPHR	SOX G/HPHR	PM G/HPHR
1994	Belt Loader, Wide Body	L	100	175	33.361250	2.536110	12.176980	0.013270	0.056750
1994	Bobtail	C	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
1994	Bobtail	D	175	300	4.727860	0.905360	9.859550	0.818090	0.939740
1994	Bobtail	G	100	175	349.206740	12.711590	7.242580	0.174240	0.068200
1994	Bobtail	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
1994	Cabin Service Truck, Comm/Reg	C	50	100	48.333720	48.238890	12.176080	0.013230	0.056710
1994	Cabin Service Truck, Comm/Reg	D	50	100	1.543290	0.495290	5.199780	0.811230	0.392300
1994	Cabin Service Truck, Comm/Reg	G	100	175	29.913200	4.146190	4.622340	0.259210	0.064320
1994	Cabin Service Truck, Comm/Reg	L	100	175	48.333720	3.289020	12.176080	0.013230	0.056710
1994	Cabin Service Truck, Narrow	C	300	600	48.333720	48.238890	12.176080	0.013230	0.056710
1994	Cabin Service Truck, Narrow	D	175	300	1.543290	0.495290	5.199780	0.811230	0.392300
1994	Cabin Service Truck, Narrow	G	175	300	29.913200	4.146190	4.622340	0.259210	0.064320
1994	Cabin Service Truck, Narrow	L	175	300	48.333720	3.289020	12.176080	0.013230	0.056710
1994	Cabin Service Truck, Wide Body	C	300	600	48.333720	48.238890	12.176080	0.013230	0.056710
1994	Cabin Service Truck, Wide Body	D	175	300	1.543290	0.495290	5.199780	0.811230	0.392300
1994	Cabin Service Truck, Wide Body	G	175	300	29.913200	4.146190	4.622340	0.259210	0.064320
1994	Cabin Service Truck, Wide Body	L	175	300	48.333720	3.289020	12.176080	0.013230	0.056710
1994	Cargo Loader, Narrow Body	C	50	100	48.294970	48.294410	12.175110	0.013230	0.056680
1994	Cargo Loader, Narrow Body	D	50	100	7.900050	1.942000	11.204670	0.950470	1.448630
1994	Cargo Loader, Narrow Body	G	100	175	349.347910	12.941040	7.242870	0.174240	0.068220
1994	Cargo Loader, Narrow Body	L	100	175	48.294970	3.286980	12.175110	0.013230	0.056680
1994	Cargo Loader, Wide, Lower Lobe	C	50	100	48.294970	48.294410	12.175110	0.013230	0.056680
1994	Cargo Loader, Wide, Lower Lobe	D	50	100	7.900050	1.942000	11.204670	0.950470	1.448630
1994	Cargo Loader, Wide, Lower Lobe	G	100	175	349.347910	12.941040	7.242870	0.174240	0.068220
1994	Cargo Loader, Wide, Lower Lobe	L	100	175	48.294970	3.286980	12.175110	0.013230	0.056680
1994	Cargo Loader, Wide, Main Deck	D	100	175	7.900050	1.942000	11.204670	0.950470	1.448630
1994	Cargo Tractor	C	50	100	48.370990	48.353190	12.177020	0.013230	0.056750
1994	Cargo Tractor	D	50	100	5.429040	1.153610	10.216920	0.907780	1.325260
1994	Cargo Tractor	G	100	175	351.244610	12.809150	7.246800	0.174220	0.068510
1994	Cargo Tractor	L	100	175	48.370990	3.290980	12.177020	0.013230	0.056750
1994	Cart	C	25	40	0.000000	0.000000	0.000000	0.000000	0.000000
1994	Cart	D	25	40	0.000000	0.000000	0.000000	0.000000	0.000000
1994	Cart	G	25	40	347.999810	18.636850	7.240080	0.174260	0.068020
1994	Cart	L	25	40	0.000000	0.000000	0.000000	0.000000	0.000000
1994	Catering Truck, Commuter/Reg	C	50	100	48.333720	48.238890	12.176080	0.013230	0.056710
1994	Catering Truck, Commuter/Reg	D	50	100	1.543290	0.495290	5.199780	0.811230	0.392300
1994	Catering Truck, Commuter/Reg	G	100	175	29.913200	4.146190	4.622340	0.259210	0.064320
1994	Catering Truck, Commuter/Reg	L	100	175	48.333720	3.289020	12.176080	0.013230	0.056710
1994	Catering Truck, Narrow Body	C	300	600	48.333720	48.238890	12.176080	0.013230	0.056710
1994	Catering Truck, Narrow Body	D	175	300	1.543290	0.495290	5.199780	0.811230	0.392300
1994	Catering Truck, Narrow Body	G	175	300	29.913200	4.146190	4.622340	0.259210	0.064320
1994	Catering Truck, Narrow Body	L	175	300	48.333720	3.289020	12.176080	0.013230	0.056710
1994	Catering Truck, Wide Body	C	300	600	48.333720	48.238890	12.176080	0.013230	0.056710
1994	Catering Truck, Wide Body	D	175	300	1.543290	0.495290	5.199780	0.811230	0.392300
1994	Catering Truck, Wide Body	G	175	300	29.913200	4.146190	4.622340	0.259210	0.064320
1994	Catering Truck, Wide Body	L	175	300	48.333720	3.289020	12.176080	0.013230	0.056710
1994	Deicer, Dual Engine	C	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
1994	Deicer, Dual Engine	D	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
1994	Deicer, Dual Engine	G	175	300	239.813730	10.782650	7.239520	0.175700	0.067980
1994	Deicer, Dual Engine	L	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
1994	Deicer, Single Engine	C	50	100	0.000000	0.000000	0.000000	0.000000	0.000000
1994	Deicer, Single Engine	D	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
1994	Deicer, Single Engine	G	100	175	239.813730	10.782650	7.239520	0.175700	0.067980
1994	Deicer, Single Engine	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
1994	Fork Lift	C	50	100	48.448760	48.413330	12.178970	0.013230	0.056820
1994	Fork Lift	D	50	100	8.108850	2.189580	12.677240	0.949260	1.798660
1994	Fork Lift	G	50	100	347.999780	13.403710	7.240080	0.174260	0.068020
1994	Fork Lift	L	50	100	48.448760	3.295070	12.178970	0.013230	0.056820
1994	Fuel Truck, Ground Equipment	C	300	600	48.294950	48.208970	12.175110	0.013230	0.056680
1994	Fuel Truck, Ground Equipment	D	175	300	2.683650	0.734200	6.194060	0.810060	1.103980
1994	Fuel Truck, Ground Equipment	G	175	300	38.245470	4.644770	4.894460	0.242250	0.065690
1994	Fuel Truck, Ground Equipment	L	175	300	48.294950	3.286980	12.175110	0.013230	0.056680
1994	Fuel Truck, Large, 8,000+ gal	D	300	600	2.683650	0.734200	6.194060	0.810060	1.103980
1994	Fuel Truck, MidSize, 3-6,000 g	C	300	600	48.294950	48.208970	12.175110	0.013230	0.056680
1994	Fuel Truck, MidSize, 3-6,000 g	D	175	300	2.683650	0.734200	6.194060	0.810060	1.103980
1994	Fuel Truck, MidSize, 3-6,000 g	G	300	600	38.245470	4.644770	4.894460	0.242250	0.065690
1994	Fuel Truck, MidSize, 3-6,000 g	L	300	600	48.294950	3.286980	12.175110	0.013230	0.056680
1994	Fuel Truck, Small, < 3,000 gal	C	300	600	48.294950	48.208970	12.175110	0.013230	0.056680

S-4. Supplemental Air Quality Technical Report

Table F1

Ground Support Equipment Emission Indices

Year	Type	Fuel	Min. Power	Max. Power	CO G/HPHR	HC G/HPHR	NOX G/HPHR	SOX G/HPHR	PM G/HPHR
1994	Fuel Truck, Small, < 3,000 gal	D	175	300	2.683650	0.734200	6.194060	0.810060	1.103980
1994	Fuel Truck, Small, < 3,000 gal	G	300	600	38.245470	4.644770	4.894460	0.242250	0.065690
1994	Fuel Truck, Small, < 3,000 gal	L	300	600	48.294950	3.286980	12.175110	0.013230	0.056680
1994	Generator	C	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
1994	Generator	D	100	175	3.154350	0.954290	11.486580	0.808980	0.904100
1994	Generator	G	100	175	239.999890	9.899160	7.240080	0.175700	0.068020
1994	Generator	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
1994	Ground Power Unit, 28VDC	C	50	100	0.000000	0.000000	0.000000	0.000000	0.000000
1994	Ground Power Unit, 28VDC	D	50	100	3.023000	0.781120	9.347350	0.809830	0.610740
1994	Ground Power Unit, 28VDC	G	100	175	239.851450	9.811900	7.239630	0.175700	0.067980
1994	Ground Power Unit, 28VDC	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
1994	Ground Power Unit, 400 Hz	D	175	300	3.023000	0.781120	9.347350	0.809830	0.610740
1994	Hydrant Truck, Narrow Body	C	300	600	0.000000	0.000000	0.000000	0.000000	0.000000
1994	Hydrant Truck, Narrow Body	D	175	300	3.484060	0.890590	6.781950	0.809300	1.588170
1994	Hydrant Truck, Narrow Body	G	175	300	32.163500	4.135070	4.694950	0.254710	0.064710
1994	Hydrant Truck, Narrow Body	L	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
1994	Hydrant Truck, Wide Body	C	300	600	0.000000	0.000000	0.000000	0.000000	0.000000
1994	Hydrant Truck, Wide Body	D	175	300	3.484060	0.890590	6.781950	0.809300	1.588170
1994	Hydrant Truck, Wide Body	G	175	300	32.163500	4.135070	4.694950	0.254710	0.064710
1994	Hydrant Truck, Wide Body	L	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
1994	Lavatory Truck, Narrow Body	C	50	100	48.294960	48.208970	12.175110	0.013230	0.056680
1994	Lavatory Truck, Narrow Body	D	50	100	3.295590	0.853460	6.643240	0.809480	1.476630
1994	Lavatory Truck, Narrow Body	G	50	100	18.126870	3.641680	4.255770	0.281730	0.062000
1994	Lavatory Truck, Narrow Body	L	50	100	48.294960	3.286980	12.175110	0.013230	0.056680
1994	Lavatory Truck, Wide Body	C	300	600	48.294960	48.208970	12.175110	0.013230	0.056680
1994	Lavatory Truck, Wide Body	D	175	300	3.295590	0.853460	6.643240	0.809480	1.476630
1994	Lavatory Truck, Wide Body	G	175	300	18.126870	3.641680	4.255770	0.281730	0.062000
1994	Lavatory Truck, Wide Body	L	175	300	48.294960	3.286980	12.175110	0.013230	0.056680
1994	Lift	C	100	175	48.294960	48.294410	12.175110	0.013230	0.056680
1994	Lift	D	100	175	8.108610	2.189440	12.676390	0.949260	1.798400
1994	Lift	G	100	175	348.460940	12.914500	7.241030	0.174250	0.068090
1994	Lift	L	100	175	48.294960	3.286980	12.175110	0.013230	0.056680
1994	Other	C	0	9999	48.312040	48.307620	12.175540	0.013230	0.056690
1994	Other	D	0	9999	4.710270	0.892300	9.714340	0.818160	0.912020
1994	Other	G	0	9999	348.162730	12.856490	7.240410	0.174260	0.068040
1994	Other	L	0	9999	48.312040	3.287870	12.175540	0.013230	0.056690
1994	Passenger Stand	C	50	100	48.245930	48.171130	12.173870	0.013230	0.056630
1994	Passenger Stand	D	50	100	3.471430	0.888350	6.773580	0.809310	1.579800
1994	Passenger Stand	G	100	175	41.937500	5.826170	5.019270	0.234390	0.066200
1994	Passenger Stand	L	100	175	48.245930	3.284400	12.173870	0.013230	0.056630
1994	Service Truck	C	300	600	48.295790	48.209630	12.175130	0.013230	0.056680
1994	Service Truck	D	175	300	2.954990	0.786560	6.389560	0.809810	1.270790
1994	Service Truck	G	175	300	41.929880	5.350970	5.019020	0.234410	0.066200
1994	Service Truck	L	175	300	48.295790	3.287020	12.175130	0.013230	0.056680
1994	Sweeper	C	40	50	48.387020	48.365580	12.177420	0.013230	0.056760
1994	Sweeper	D	50	100	5.428880	1.153600	10.216870	0.907780	1.325160
1994	Sweeper	G	50	100	348.012350	13.289690	7.240100	0.174260	0.068020
1994	Sweeper	L	40	50	48.387020	3.291820	12.177420	0.013230	0.056760
1994	Water Service	C	300	600	0.000000	0.000000	0.000000	0.000000	0.000000
1994	Water Service	D	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
1994	Water Service	G	175	300	41.938720	5.275430	5.019280	0.234390	0.066200
1994	Water Service	L	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
1995	Air Conditioner, Narrow Body	D	175	300	2.985120	0.737100	8.808410	0.810050	0.528240
1995	Air Conditioner, Wide Body	D	175	300	2.985120	0.737100	8.808410	0.810050	0.528240
1995	Air Start	G	175	300	239.999830	11.790200	7.240080	0.175700	0.068020
1995	Air Start, 180 PPM	D	300	600	3.131990	0.925820	11.134150	0.809120	0.858110
1995	Air Start, 300 PPM	D	750	1000	3.131990	0.925820	11.134150	0.809120	0.858110
1995	Aircraft Tractor, Commuter/Reg	C	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
1995	Aircraft Tractor, Commuter/Reg	D	50	100	4.712640	0.894610	9.740120	0.818140	0.917080
1995	Aircraft Tractor, Commuter/Reg	G	100	175	348.012570	12.770590	7.240100	0.174260	0.068020
1995	Aircraft Tractor, Commuter/Reg	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
1995	Aircraft Tractor, Mid-Range	D	175	300	4.712640	0.894610	9.740120	0.818140	0.917080
1995	Aircraft Tractor, Narrow Body	C	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
1995	Aircraft Tractor, Narrow Body	D	50	100	4.712640	0.894610	9.740120	0.818140	0.917080
1995	Aircraft Tractor, Narrow Body	G	100	175	348.012570	12.770590	7.240100	0.174260	0.068020
1995	Aircraft Tractor, Narrow Body	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
1995	Aircraft Tractor, Wide Body	D	300	600	4.712640	0.894610	9.740120	0.818140	0.917080
1995	Aircraft Tug Towbarless Narrow	D	50	100	4.712640	0.894610	9.740120	0.818140	0.917080

Table F1

Ground Support Equipment Emission Indices

Year	Type	Fuel	Min. Power	Max. Power	CO G/HPHR	HC G/HPHR	NOX G/HPHR	SOX G/HPHR	PM G/HPHR
1995	Aircraft Tug Towbarless Wide	D	600	750	4.712640	0.894610	9.740120	0.818140	0.917080
1995	Baggage Tractor, Commuter	C	50	100	48.376810	48.357690	12.177160	0.013230	0.056750
1995	Baggage Tractor, Commuter	D	50	100	5.809630	1.085950	7.050950	0.908110	1.119640
1995	Baggage Tractor, Commuter	G	100	175	347.957660	12.706720	7.239990	0.174260	0.068010
1995	Baggage Tractor, Commuter	L	100	175	48.376810	3.291280	12.177160	0.013230	0.056750
1995	Baggage Tractor, Narrow Body	C	50	100	48.376810	48.357690	12.177160	0.013230	0.056750
1995	Baggage Tractor, Narrow Body	D	50	100	5.809630	1.085950	7.050950	0.908110	1.119640
1995	Baggage Tractor, Narrow Body	G	100	175	347.957660	12.706720	7.239990	0.174260	0.068010
1995	Baggage Tractor, Narrow Body	L	100	175	48.376810	3.291280	12.177160	0.013230	0.056750
1995	Baggage Tractor, Wide Body	C	50	100	48.376810	48.357690	12.177160	0.013230	0.056750
1995	Baggage Tractor, Wide Body	D	50	100	5.809630	1.085950	7.050950	0.908110	1.119640
1995	Baggage Tractor, Wide Body	G	100	175	347.957660	12.706720	7.239990	0.174260	0.068010
1995	Baggage Tractor, Wide Body	L	100	175	48.376810	3.291280	12.177160	0.013230	0.056750
1995	Belt Loader, Commuter	C	50	100	33.361250	37.196310	12.176980	0.013270	0.056750
1995	Belt Loader, Commuter	D	50	100	3.767850	1.050320	7.803030	0.899410	0.921800
1995	Belt Loader, Commuter	G	100	175	241.064050	10.025060	7.243270	0.175680	0.068250
1995	Belt Loader, Commuter	L	100	175	33.361250	2.536110	12.176980	0.013270	0.056750
1995	Belt Loader, Narrow Body	C	50	100	33.361250	37.196310	12.176980	0.013270	0.056750
1995	Belt Loader, Narrow Body	D	50	100	3.767850	1.050320	7.803030	0.899410	0.921800
1995	Belt Loader, Narrow Body	G	100	175	241.064050	10.025060	7.243270	0.175680	0.068250
1995	Belt Loader, Narrow Body	L	100	175	33.361250	2.536110	12.176980	0.013270	0.056750
1995	Belt Loader, Wide Body	C	50	100	33.361250	37.196310	12.176980	0.013270	0.056750
1995	Belt Loader, Wide Body	D	50	100	3.767850	1.050320	7.803030	0.899410	0.921800
1995	Belt Loader, Wide Body	G	100	175	241.064050	10.025060	7.243270	0.175680	0.068250
1995	Belt Loader, Wide Body	L	100	175	33.361250	2.536110	12.176980	0.013270	0.056750
1995	Bobtail	C	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
1995	Bobtail	D	175	300	4.682770	0.867510	9.436540	0.818280	0.862330
1995	Bobtail	G	100	175	349.206770	12.711580	7.242580	0.174240	0.068200
1995	Bobtail	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
1995	Cabin Service Truck, Comm/Reg	C	50	100	48.333730	48.238890	12.176080	0.013230	0.056710
1995	Cabin Service Truck, Comm/Reg	D	50	100	1.321000	0.429720	4.915090	0.811560	0.286210
1995	Cabin Service Truck, Comm/Reg	G	100	175	24.696900	3.885410	4.465630	0.268880	0.063390
1995	Cabin Service Truck, Comm/Reg	L	100	175	48.333730	3.289020	12.176080	0.013230	0.056710
1995	Cabin Service Truck, Narrow	C	300	600	48.333730	48.238890	12.176080	0.013230	0.056710
1995	Cabin Service Truck, Narrow	D	175	300	1.321000	0.429720	4.915090	0.811560	0.286210
1995	Cabin Service Truck, Narrow	G	175	300	24.696900	3.885410	4.465630	0.268880	0.063390
1995	Cabin Service Truck, Narrow	L	175	300	48.333730	3.289020	12.176080	0.013230	0.056710
1995	Cabin Service Truck, Wide Body	C	300	600	48.333730	48.238890	12.176080	0.013230	0.056710
1995	Cabin Service Truck, Wide Body	D	175	300	1.321000	0.429720	4.915090	0.811560	0.286210
1995	Cabin Service Truck, Wide Body	G	175	300	24.696900	3.885410	4.465630	0.268880	0.063390
1995	Cabin Service Truck, Wide Body	L	175	300	48.333730	3.289020	12.176080	0.013230	0.056710
1995	Cargo Loader, Narrow Body	C	50	100	48.294970	48.294410	12.175110	0.013230	0.056680
1995	Cargo Loader, Narrow Body	D	50	100	7.821190	1.855340	10.692070	0.950890	1.317820
1995	Cargo Loader, Narrow Body	G	100	175	349.347900	12.941040	7.242870	0.174240	0.068220
1995	Cargo Loader, Narrow Body	L	100	175	48.294970	3.286980	12.175110	0.013230	0.056680
1995	Cargo Loader, Wide, Lower Lobe	C	50	100	48.294970	48.294410	12.175110	0.013230	0.056680
1995	Cargo Loader, Wide, Lower Lobe	D	50	100	7.821190	1.855340	10.692070	0.950890	1.317820
1995	Cargo Loader, Wide, Lower Lobe	G	100	175	349.347900	12.941040	7.242870	0.174240	0.068220
1995	Cargo Loader, Wide, Lower Lobe	L	100	175	48.294970	3.286980	12.175110	0.013230	0.056680
1995	Cargo Loader, Wide, Main Deck	D	100	175	7.821190	1.855340	10.692070	0.950890	1.317820
1995	Cargo Tractor	C	50	100	48.370980	48.353190	12.177020	0.013230	0.056750
1995	Cargo Tractor	D	50	100	5.476420	1.144550	9.794890	0.907820	1.299210
1995	Cargo Tractor	G	100	175	351.244590	12.809150	7.246800	0.174220	0.068510
1995	Cargo Tractor	L	100	175	48.370980	3.290980	12.177020	0.013230	0.056750
1995	Cart	C	25	40	0.000000	0.000000	0.000000	0.000000	0.000000
1995	Cart	D	25	40	0.000000	0.000000	0.000000	0.000000	0.000000
1995	Cart	G	25	40	347.999770	18.636850	7.240080	0.174260	0.068020
1995	Cart	L	25	40	0.000000	0.000000	0.000000	0.000000	0.000000
1995	Catering Truck, Commuter/Reg	C	50	100	48.333730	48.238890	12.176080	0.013230	0.056710
1995	Catering Truck, Commuter/Reg	D	50	100	1.321000	0.429720	4.915090	0.811560	0.286210
1995	Catering Truck, Commuter/Reg	G	100	175	24.696900	3.885410	4.465630	0.268880	0.063390
1995	Catering Truck, Commuter/Reg	L	100	175	48.333730	3.289020	12.176080	0.013230	0.056710
1995	Catering Truck, Narrow Body	C	300	600	48.333730	48.238890	12.176080	0.013230	0.056710
1995	Catering Truck, Narrow Body	D	175	300	1.321000	0.429720	4.915090	0.811560	0.286210
1995	Catering Truck, Narrow Body	G	175	300	24.696900	3.885410	4.465630	0.268880	0.063390
1995	Catering Truck, Narrow Body	L	175	300	48.333730	3.289020	12.176080	0.013230	0.056710
1995	Catering Truck, Wide Body	C	300	600	48.333730	48.238890	12.176080	0.013230	0.056710
1995	Catering Truck, Wide Body	D	175	300	1.321000	0.429720	4.915090	0.811560	0.286210

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Year	Type	Fuel	Min. Power	Max. Power	CO G/HPHR	HC G/HPHR	NOX G/HPHR	SOX G/HPHR	PM G/HPHR
1995	Catering Truck, Wide Body	G	175	300	24.696900	3.885410	4.465630	0.268880	0.063390
1995	Catering Truck, Wide Body	L	175	300	48.333730	3.289020	12.176080	0.013230	0.056710
1995	Deicer, Dual Engine	C	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
1995	Deicer, Dual Engine	D	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
1995	Deicer, Dual Engine	G	175	300	239.813730	10.782650	7.239520	0.175700	0.067980
1995	Deicer, Dual Engine	L	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
1995	Deicer, Single Engine	C	50	100	0.000000	0.000000	0.000000	0.000000	0.000000
1995	Deicer, Single Engine	D	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
1995	Deicer, Single Engine	G	100	175	239.813730	10.782650	7.239520	0.175700	0.067980
1995	Deicer, Single Engine	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
1995	Fork Lift	C	50	100	48.448770	48.413330	12.178970	0.013230	0.056820
1995	Fork Lift	D	50	100	8.051310	2.124250	12.288440	0.949580	1.708250
1995	Fork Lift	G	50	100	347.999790	13.403710	7.240080	0.174260	0.068020
1995	Fork Lift	L	50	100	48.448770	3.295070	12.178970	0.013230	0.056820
1995	Fuel Truck, Ground Equipment	C	300	600	48.294960	48.208970	12.175110	0.013230	0.056680
1995	Fuel Truck, Ground Equipment	D	175	300	2.311070	0.654230	5.892940	0.810450	0.888280
1995	Fuel Truck, Ground Equipment	G	175	300	34.057320	4.437190	4.763320	0.250460	0.065070
1995	Fuel Truck, Ground Equipment	L	175	300	48.294960	3.286980	12.175110	0.013230	0.056680
1995	Fuel Truck, Large, 8,000+ gal	D	300	600	2.311070	0.654230	5.892940	0.810450	0.888280
1995	Fuel Truck, MidSize, 3-6,000 g	C	300	600	48.294960	48.208970	12.175110	0.013230	0.056680
1995	Fuel Truck, MidSize, 3-6,000 g	D	175	300	2.311070	0.654230	5.892940	0.810450	0.888280
1995	Fuel Truck, MidSize, 3-6,000 g	G	300	600	34.057320	4.437190	4.763320	0.250460	0.065070
1995	Fuel Truck, MidSize, 3-6,000 g	L	300	600	48.294960	3.286980	12.175110	0.013230	0.056680
1995	Fuel Truck, Small, < 3,000 gal	C	300	600	48.294960	48.208970	12.175110	0.013230	0.056680
1995	Fuel Truck, Small, < 3,000 gal	D	175	300	2.311070	0.654230	5.892940	0.810450	0.888280
1995	Fuel Truck, Small, < 3,000 gal	G	300	600	34.057320	4.437190	4.763320	0.250460	0.065070
1995	Fuel Truck, Small, < 3,000 gal	L	300	600	48.294960	3.286980	12.175110	0.013230	0.056680
1995	Generator	C	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
1995	Generator	D	100	175	3.132010	0.925830	11.134160	0.809120	0.858130
1995	Generator	G	100	175	239.999830	9.899160	7.240080	0.175700	0.068020
1995	Generator	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
1995	Ground Power Unit, 28VDC	C	50	100	0.000000	0.000000	0.000000	0.000000	0.000000
1995	Ground Power Unit, 28VDC	D	50	100	2.993680	0.745750	8.913740	0.810010	0.544870
1995	Ground Power Unit, 28VDC	G	100	175	239.851460	9.811900	7.239630	0.175700	0.067980
1995	Ground Power Unit, 28VDC	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
1995	Ground Power Unit, 400 Hz	D	175	300	2.993680	0.745750	8.913740	0.810010	0.544870
1995	Hydrant Truck, Narrow Body	C	300	600	0.000000	0.000000	0.000000	0.000000	0.000000
1995	Hydrant Truck, Narrow Body	D	175	300	3.219580	0.833020	6.565630	0.809580	1.440620
1995	Hydrant Truck, Narrow Body	G	175	300	27.211320	3.888310	4.544690	0.264010	0.063880
1995	Hydrant Truck, Narrow Body	L	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
1995	Hydrant Truck, Wide Body	C	300	600	0.000000	0.000000	0.000000	0.000000	0.000000
1995	Hydrant Truck, Wide Body	D	175	300	3.219580	0.833020	6.565630	0.809580	1.440620
1995	Hydrant Truck, Wide Body	G	175	300	27.211320	3.888310	4.544690	0.264010	0.063880
1995	Hydrant Truck, Wide Body	L	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
1995	Lavatory Truck, Narrow Body	C	50	100	48.294960	48.208970	12.175110	0.013230	0.056680
1995	Lavatory Truck, Narrow Body	D	50	100	3.004320	0.790080	6.404100	0.809790	1.312670
1995	Lavatory Truck, Narrow Body	G	50	100	13.394370	3.415570	4.129420	0.289360	0.061010
1995	Lavatory Truck, Narrow Body	L	50	100	48.294960	3.286980	12.175110	0.013230	0.056680
1995	Lavatory Truck, Wide Body	C	300	600	48.294960	48.208970	12.175110	0.013230	0.056680
1995	Lavatory Truck, Wide Body	D	175	300	3.004320	0.790080	6.404100	0.809790	1.312670
1995	Lavatory Truck, Wide Body	G	175	300	13.394370	3.415570	4.129420	0.289360	0.061010
1995	Lavatory Truck, Wide Body	L	175	300	48.294960	3.286980	12.175110	0.013230	0.056680
1995	Lift	C	100	175	48.294960	48.294410	12.175110	0.013230	0.056680
1995	Lift	D	100	175	8.051060	2.124080	12.287490	0.949580	1.707970
1995	Lift	G	100	175	348.460920	12.914500	7.241030	0.174250	0.068090
1995	Lift	L	100	175	48.294960	3.286980	12.175110	0.013230	0.056680
1995	Other	C	0	9999	48.312040	48.307620	12.175540	0.013230	0.056690
1995	Other	D	0	9999	4.662680	0.852490	9.269580	0.818350	0.829910
1995	Other	G	0	9999	348.162750	12.856490	7.240410	0.174260	0.068040
1995	Other	L	0	9999	48.312040	3.287870	12.175540	0.013230	0.056690
1995	Passenger Stand	C	50	100	48.245940	48.171130	12.173880	0.013230	0.056630
1995	Passenger Stand	D	50	100	3.205270	0.830420	6.555900	0.809590	1.431300
1995	Passenger Stand	G	100	175	38.262280	5.644390	4.901710	0.241800	0.065720
1995	Passenger Stand	L	100	175	48.245940	3.284400	12.173880	0.013230	0.056630
1995	Service Truck	C	300	600	48.295800	48.209610	12.175130	0.013230	0.056680
1995	Service Truck	D	175	300	2.623110	0.714650	6.118510	0.810160	1.081450
1995	Service Truck	G	175	300	38.253480	5.169130	4.901430	0.241810	0.065720
1995	Service Truck	L	175	300	48.295800	3.287020	12.175130	0.013230	0.056680

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Year	Type	Fuel	Min. Power	Max. Power	CO G/HPHR	HC G/HPHR	NOX G/HPHR	SOX G/HPHR	PM G/HPHR
1995	Sweeper	C	40	50	48.387020	48.365590	12.177420	0.013230	0.056760
1995	Sweeper	D	50	100	5.476260	1.144540	9.794850	0.907820	1.299120
1995	Sweeper	G	50	100	348.012250	13.289690	7.240100	0.174260	0.068020
1995	Sweeper	L	40	50	48.387020	3.291820	12.177420	0.013230	0.056760
1995	Water Service	C	300	600	0.000000	0.000000	0.000000	0.000000	0.000000
1995	Water Service	D	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
1995	Water Service	G	175	300	38.263370	5.093640	4.901720	0.241800	0.065720
1995	Water Service	L	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
1996	Air Conditioner, Narrow Body	D	175	300	2.977670	0.728150	8.698750	0.810090	0.511400
1996	Air Conditioner, Wide Body	D	175	300	2.977670	0.728150	8.698750	0.810090	0.511400
1996	Air Start	G	175	300	239.999860	11.795900	7.240080	0.175700	0.068020
1996	Air Start, 180 PPM	D	300	600	3.009550	0.863310	10.625470	0.809430	0.798060
1996	Air Start, 300 PPM	D	750	1000	3.009550	0.863310	10.625470	0.809430	0.798060
1996	Aircraft Tractor, Commuter/Reg	C	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
1996	Aircraft Tractor, Commuter/Reg	D	50	100	4.386000	0.822940	9.108470	0.818500	0.829360
1996	Aircraft Tractor, Commuter/Reg	G	100	175	348.012500	12.771260	7.240100	0.174260	0.068020
1996	Aircraft Tractor, Commuter/Reg	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
1996	Aircraft Tractor, Mid-Range	D	175	300	4.386000	0.822940	9.108470	0.818500	0.829360
1996	Aircraft Tractor, Narrow Body	C	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
1996	Aircraft Tractor, Narrow Body	D	50	100	4.386000	0.822940	9.108470	0.818500	0.829360
1996	Aircraft Tractor, Narrow Body	G	100	175	348.012500	12.771260	7.240100	0.174260	0.068020
1996	Aircraft Tractor, Narrow Body	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
1996	Aircraft Tractor, Wide Body	D	300	600	4.386000	0.822940	9.108470	0.818500	0.829360
1996	Aircraft Tug Towbarless Narrow	D	50	100	4.386000	0.822940	9.108470	0.818500	0.829360
1996	Aircraft Tug Towbarless Wide	D	600	750	4.386000	0.822940	9.108470	0.818500	0.829360
1996	Baggage Tractor, Commuter	C	50	100	48.376810	48.357690	12.177160	0.013230	0.056750
1996	Baggage Tractor, Commuter	D	50	100	5.827010	1.082820	6.906570	0.908120	1.109150
1996	Baggage Tractor, Commuter	G	100	175	347.957690	12.707210	7.239990	0.174260	0.068010
1996	Baggage Tractor, Commuter	L	100	175	48.376810	3.291280	12.177160	0.013230	0.056750
1996	Baggage Tractor, Narrow Body	C	50	100	48.376810	48.357690	12.177160	0.013230	0.056750
1996	Baggage Tractor, Narrow Body	D	50	100	5.827010	1.082820	6.906570	0.908120	1.109150
1996	Baggage Tractor, Narrow Body	G	100	175	347.957690	12.707210	7.239990	0.174260	0.068010
1996	Baggage Tractor, Narrow Body	L	100	175	48.376810	3.291280	12.177160	0.013230	0.056750
1996	Baggage Tractor, Wide Body	C	50	100	48.376810	48.357690	12.177160	0.013230	0.056750
1996	Baggage Tractor, Wide Body	D	50	100	5.827010	1.082820	6.906570	0.908120	1.109150
1996	Baggage Tractor, Wide Body	G	100	175	347.957690	12.707210	7.239990	0.174260	0.068010
1996	Baggage Tractor, Wide Body	L	100	175	48.376810	3.291280	12.177160	0.013230	0.056750
1996	Belt Loader, Commuter	C	50	100	33.361250	37.196310	12.176980	0.013270	0.056750
1996	Belt Loader, Commuter	D	50	100	3.792770	1.043970	7.470650	0.899440	0.902950
1996	Belt Loader, Commuter	G	100	175	241.064070	10.025830	7.243270	0.175680	0.068250
1996	Belt Loader, Commuter	L	100	175	33.361250	2.536110	12.176980	0.013270	0.056750
1996	Belt Loader, Narrow Body	C	50	100	33.361250	37.196310	12.176980	0.013270	0.056750
1996	Belt Loader, Narrow Body	D	50	100	3.792770	1.043970	7.470650	0.899440	0.902950
1996	Belt Loader, Narrow Body	G	100	175	241.064070	10.025830	7.243270	0.175680	0.068250
1996	Belt Loader, Narrow Body	L	100	175	33.361250	2.536110	12.176980	0.013270	0.056750
1996	Belt Loader, Wide Body	C	50	100	33.361250	37.196310	12.176980	0.013270	0.056750
1996	Belt Loader, Wide Body	D	50	100	3.792770	1.043970	7.470650	0.899440	0.902950
1996	Belt Loader, Wide Body	G	100	175	241.064070	10.025830	7.243270	0.175680	0.068250
1996	Belt Loader, Wide Body	L	100	175	33.361250	2.536110	12.176980	0.013270	0.056750
1996	Bobtail	C	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
1996	Bobtail	D	175	300	4.640530	0.832430	9.045230	0.818450	0.788600
1996	Bobtail	G	100	175	349.206770	12.712000	7.242580	0.174240	0.068200
1996	Bobtail	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
1996	Cabin Service Truck, Comm/Reg	C	50	100	48.333730	48.238890	12.176080	0.013230	0.056710
1996	Cabin Service Truck, Comm/Reg	D	50	100	1.160720	0.385610	4.754550	0.811770	0.214690
1996	Cabin Service Truck, Comm/Reg	G	100	175	19.721270	3.636860	4.319770	0.277810	0.062430
1996	Cabin Service Truck, Comm/Reg	L	100	175	48.333730	3.289020	12.176080	0.013230	0.056710
1996	Cabin Service Truck, Narrow	C	300	600	48.333730	48.238890	12.176080	0.013230	0.056710
1996	Cabin Service Truck, Narrow	D	175	300	1.160720	0.385610	4.754550	0.811770	0.214690
1996	Cabin Service Truck, Narrow	G	175	300	19.721270	3.636860	4.319770	0.277810	0.062430
1996	Cabin Service Truck, Narrow	L	175	300	48.333730	3.289020	12.176080	0.013230	0.056710
1996	Cabin Service Truck, Wide Body	C	300	600	48.333730	48.238890	12.176080	0.013230	0.056710
1996	Cabin Service Truck, Wide Body	D	175	300	1.160720	0.385610	4.754550	0.811770	0.214690
1996	Cabin Service Truck, Wide Body	G	175	300	19.721270	3.636860	4.319770	0.277810	0.062430
1996	Cabin Service Truck, Wide Body	L	175	300	48.333730	3.289020	12.176080	0.013230	0.056710
1996	Cargo Loader, Narrow Body	C	50	100	48.294960	48.294410	12.175110	0.013230	0.056680
1996	Cargo Loader, Narrow Body	D	50	100	7.747380	1.775130	10.218630	0.951290	1.193250
1996	Cargo Loader, Narrow Body	G	100	175	349.347890	12.942070	7.242870	0.174240	0.068220

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Year	Type	Fuel	Min. Power	Max. Power	CO G/HPHR	HC G/HPHR	NOX G/HPHR	SOX G/HPHR	PM G/HPHR
1996	Cargo Loader, Narrow Body	L	100	175	48.294960	3.286980	12.175110	0.013230	0.056680
1996	Cargo Loader, Wide, Lower Lobe	C	50	100	48.294960	48.294410	12.175110	0.013230	0.056680
1996	Cargo Loader, Wide, Lower Lobe	D	50	100	7.747380	1.775130	10.218630	0.951290	1.193250
1996	Cargo Loader, Wide, Lower Lobe	G	100	175	349.347890	12.942070	7.242870	0.174240	0.068220
1996	Cargo Loader, Wide, Lower Lobe	L	100	175	48.294960	3.286980	12.175110	0.013230	0.056680
1996	Cargo Loader, Wide, Main Deck	D	100	175	7.747380	1.775130	10.218630	0.951290	1.193250
1996	Cargo Tractor	C	50	100	48.370980	48.353190	12.177020	0.013230	0.056750
1996	Cargo Tractor	D	50	100	5.522590	1.135800	9.387410	0.907860	1.273500
1996	Cargo Tractor	G	100	175	351.244630	12.809680	7.246800	0.174220	0.068510
1996	Cargo Tractor	L	100	175	48.370980	3.290980	12.177020	0.013230	0.056750
1996	Cart	C	25	40	0.000000	0.000000	0.000000	0.000000	0.000000
1996	Cart	D	25	40	0.000000	0.000000	0.000000	0.000000	0.000000
1996	Cart	G	25	40	347.999800	18.653580	7.240080	0.174260	0.068020
1996	Cart	L	25	40	0.000000	0.000000	0.000000	0.000000	0.000000
1996	Catering Truck, Commuter/Reg	C	50	100	48.333730	48.238890	12.176080	0.013230	0.056710
1996	Catering Truck, Commuter/Reg	D	50	100	1.160720	0.385610	4.754550	0.811770	0.214690
1996	Catering Truck, Commuter/Reg	G	100	175	19.721270	3.636860	4.319770	0.277810	0.062430
1996	Catering Truck, Commuter/Reg	L	100	175	48.333730	3.289020	12.176080	0.013230	0.056710
1996	Catering Truck, Narrow Body	C	300	600	48.333730	48.238890	12.176080	0.013230	0.056710
1996	Catering Truck, Narrow Body	D	175	300	1.160720	0.385610	4.754550	0.811770	0.214690
1996	Catering Truck, Narrow Body	G	175	300	19.721270	3.636860	4.319770	0.277810	0.062430
1996	Catering Truck, Narrow Body	L	175	300	48.333730	3.289020	12.176080	0.013230	0.056710
1996	Catering Truck, Wide Body	C	300	600	48.333730	48.238890	12.176080	0.013230	0.056710
1996	Catering Truck, Wide Body	D	175	300	1.160720	0.385610	4.754550	0.811770	0.214690
1996	Catering Truck, Wide Body	G	175	300	19.721270	3.636860	4.319770	0.277810	0.062430
1996	Catering Truck, Wide Body	L	175	300	48.333730	3.289020	12.176080	0.013230	0.056710
1996	Deicer, Dual Engine	C	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
1996	Deicer, Dual Engine	D	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
1996	Deicer, Dual Engine	G	175	300	239.813720	10.785610	7.239520	0.175700	0.067980
1996	Deicer, Dual Engine	L	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
1996	Deicer, Single Engine	C	50	100	0.000000	0.000000	0.000000	0.000000	0.000000
1996	Deicer, Single Engine	D	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
1996	Deicer, Single Engine	G	100	175	239.813720	10.785610	7.239520	0.175700	0.067980
1996	Deicer, Single Engine	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
1996	Fork Lift	C	50	100	48.448760	48.413330	12.178970	0.013230	0.056820
1996	Fork Lift	D	50	100	7.995250	2.061080	11.913050	0.949890	1.619000
1996	Fork Lift	G	50	100	347.999820	13.406110	7.240080	0.174260	0.068020
1996	Fork Lift	L	50	100	48.448760	3.295070	12.178970	0.013230	0.056820
1996	Fuel Truck, Ground Equipment	C	300	600	48.294960	48.208970	12.175110	0.013230	0.056680
1996	Fuel Truck, Ground Equipment	D	175	300	1.957280	0.578570	5.606490	0.810830	0.680720
1996	Fuel Truck, Ground Equipment	G	175	300	29.928530	4.232210	4.636150	0.258370	0.064410
1996	Fuel Truck, Ground Equipment	L	175	300	48.294960	3.286980	12.175110	0.013230	0.056680
1996	Fuel Truck, Large, 8,000+ gal	D	300	600	1.957280	0.578570	5.606490	0.810830	0.680720
1996	Fuel Truck, MidSize, 3-6,000 g	C	300	600	48.294960	48.208970	12.175110	0.013230	0.056680
1996	Fuel Truck, MidSize, 3-6,000 g	D	175	300	1.957280	0.578570	5.606490	0.810830	0.680720
1996	Fuel Truck, MidSize, 3-6,000 g	G	300	600	29.928530	4.232210	4.636150	0.258370	0.064410
1996	Fuel Truck, MidSize, 3-6,000 g	L	300	600	48.294960	3.286980	12.175110	0.013230	0.056680
1996	Fuel Truck, Small, < 3,000 gal	C	300	600	48.294960	48.208970	12.175110	0.013230	0.056680
1996	Fuel Truck, Small, < 3,000 gal	D	175	300	1.957280	0.578570	5.606490	0.810830	0.680720
1996	Fuel Truck, Small, < 3,000 gal	G	300	600	29.928530	4.232210	4.636150	0.258370	0.064410
1996	Fuel Truck, Small, < 3,000 gal	L	300	600	48.294960	3.286980	12.175110	0.013230	0.056680
1996	Generator	C	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
1996	Generator	D	100	175	3.110240	0.898310	10.793880	0.809260	0.812740
1996	Generator	G	100	175	239.999830	9.899680	7.240080	0.175700	0.068020
1996	Generator	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
1996	Ground Power Unit, 28VDC	C	50	100	0.000000	0.000000	0.000000	0.000000	0.000000
1996	Ground Power Unit, 28VDC	D	50	100	2.984420	0.734620	8.777440	0.810060	0.523940
1996	Ground Power Unit, 28VDC	G	100	175	239.851470	9.812200	7.239630	0.175700	0.067980
1996	Ground Power Unit, 28VDC	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
1996	Ground Power Unit, 400 Hz	D	175	300	2.984420	0.734620	8.777440	0.810060	0.523940
1996	Hydrant Truck, Narrow Body	C	300	600	0.000000	0.000000	0.000000	0.000000	0.000000
1996	Hydrant Truck, Narrow Body	D	175	300	2.961490	0.777310	6.356320	0.809850	1.294810
1996	Hydrant Truck, Narrow Body	G	175	300	22.486130	3.652780	4.404670	0.272620	0.063010
1996	Hydrant Truck, Narrow Body	L	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
1996	Hydrant Truck, Wide Body	C	300	600	0.000000	0.000000	0.000000	0.000000	0.000000
1996	Hydrant Truck, Wide Body	D	175	300	2.961490	0.777310	6.356320	0.809850	1.294810
1996	Hydrant Truck, Wide Body	G	175	300	22.486130	3.652780	4.404670	0.272620	0.063010
1996	Hydrant Truck, Wide Body	L	175	300	0.000000	0.000000	0.000000	0.000000	0.000000

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Year	Type	Fuel	Min. Power	Max. Power	CO G/HPHR	HC G/HPHR	NOX G/HPHR	SOX G/HPHR	PM G/HPHR
1996	Lavatory Truck, Narrow Body	C	50	100	48.294960	48.208970	12.175110	0.013230	0.056680
1996	Lavatory Truck, Narrow Body	D	50	100	2.719870	0.728740	6.172670	0.810090	1.150340
1996	Lavatory Truck, Narrow Body	G	50	100	11.284420	3.337740	4.085420	0.292010	0.060670
1996	Lavatory Truck, Narrow Body	L	50	100	48.294960	3.286980	12.175110	0.013230	0.056680
1996	Lavatory Truck, Wide Body	C	300	600	48.294960	48.208970	12.175110	0.013230	0.056680
1996	Lavatory Truck, Wide Body	D	175	300	2.719870	0.728740	6.172670	0.810090	1.150340
1996	Lavatory Truck, Wide Body	G	175	300	11.284420	3.337740	4.085420	0.292010	0.060670
1996	Lavatory Truck, Wide Body	L	175	300	48.294960	3.286980	12.175110	0.013230	0.056680
1996	Lift	C	100	175	48.294960	48.294410	12.175110	0.013230	0.056680
1996	Lift	D	100	175	7.994980	2.060890	11.911990	0.949890	1.618690
1996	Lift	G	100	175	348.460940	12.915530	7.241030	0.174250	0.068090
1996	Lift	L	100	175	48.294960	3.286980	12.175110	0.013230	0.056680
1996	Other	C	0	9999	48.312040	48.307620	12.175530	0.013230	0.056690
1996	Other	D	0	9999	4.618080	0.815580	8.858130	0.818530	0.751640
1996	Other	G	0	9999	348.162740	12.857370	7.240410	0.174260	0.068040
1996	Other	L	0	9999	48.312040	3.287870	12.175530	0.013230	0.056690
1996	Passenger Stand	C	50	100	48.245940	48.171130	12.173880	0.013230	0.056630
1996	Passenger Stand	D	50	100	2.945520	0.774350	6.345260	0.809870	1.284540
1996	Passenger Stand	G	100	175	34.645060	5.468080	4.787720	0.248930	0.065190
1996	Passenger Stand	L	100	175	48.245940	3.284400	12.173880	0.013230	0.056630
1996	Service Truck	C	300	600	48.295790	48.209610	12.175130	0.013230	0.056680
1996	Service Truck	D	175	300	2.298700	0.645090	5.856300	0.810500	0.893530
1996	Service Truck	G	175	300	34.635120	4.991460	4.787410	0.248950	0.065190
1996	Service Truck	L	175	300	48.295790	3.287020	12.175130	0.013230	0.056680
1996	Sweeper	C	40	50	48.387030	48.365590	12.177420	0.013230	0.056760
1996	Sweeper	D	50	100	5.522430	1.135790	9.387360	0.907860	1.273400
1996	Sweeper	G	50	100	348.012330	13.291770	7.240100	0.174260	0.068020
1996	Sweeper	L	40	50	48.387030	3.291820	12.177420	0.013230	0.056760
1996	Water Service	C	300	600	0.000000	0.000000	0.000000	0.000000	0.000000
1996	Water Service	D	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
1996	Water Service	G	175	300	34.646040	4.915810	4.787730	0.248930	0.065190
1996	Water Service	L	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
1997	Air Conditioner, Narrow Body	D	175	300	2.680570	0.667860	8.199290	0.810390	0.480150
1997	Air Conditioner, Wide Body	D	175	300	2.680570	0.667860	8.199290	0.810390	0.480150
1997	Air Start	G	175	300	239.999870	11.790200	7.240080	0.175700	0.068020
1997	Air Start, 180 PPM	D	300	600	2.886060	0.801610	10.128510	0.809730	0.738230
1997	Air Start, 300 PPM	D	750	1000	2.886060	0.801610	10.128510	0.809730	0.738230
1997	Aircraft Tractor, Commuter/Reg	C	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
1997	Aircraft Tractor, Commuter/Reg	D	50	100	4.056990	0.753610	8.504960	0.818840	0.744510
1997	Aircraft Tractor, Commuter/Reg	G	100	175	348.012530	12.770590	7.240100	0.174260	0.068020
1997	Aircraft Tractor, Commuter/Reg	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
1997	Aircraft Tractor, Mid-Range	D	175	300	4.056990	0.753610	8.504960	0.818840	0.744510
1997	Aircraft Tractor, Narrow Body	C	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
1997	Aircraft Tractor, Narrow Body	D	50	100	4.056990	0.753610	8.504960	0.818840	0.744510
1997	Aircraft Tractor, Narrow Body	G	100	175	348.012530	12.770590	7.240100	0.174260	0.068020
1997	Aircraft Tractor, Narrow Body	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
1997	Aircraft Tractor, Wide Body	D	300	600	4.056990	0.753610	8.504960	0.818840	0.744510
1997	Aircraft Tug Towbarless Narrow	D	50	100	4.056990	0.753610	8.504960	0.818840	0.744510
1997	Aircraft Tug Towbarless Wide	D	600	750	4.056990	0.753610	8.504960	0.818840	0.744510
1997	Baggage Tractor, Commuter	C	50	100	48.376820	48.357700	12.177160	0.013230	0.056750
1997	Baggage Tractor, Commuter	D	50	100	5.839230	1.080610	6.805010	0.908130	1.101770
1997	Baggage Tractor, Commuter	G	100	175	347.957640	12.706720	7.239990	0.174260	0.068010
1997	Baggage Tractor, Commuter	L	100	175	48.376820	3.291280	12.177160	0.013230	0.056750
1997	Baggage Tractor, Narrow Body	C	50	100	48.376820	48.357700	12.177160	0.013230	0.056750
1997	Baggage Tractor, Narrow Body	D	50	100	5.839230	1.080610	6.805010	0.908130	1.101770
1997	Baggage Tractor, Narrow Body	G	100	175	347.957640	12.706720	7.239990	0.174260	0.068010
1997	Baggage Tractor, Narrow Body	L	100	175	48.376820	3.291280	12.177160	0.013230	0.056750
1997	Baggage Tractor, Wide Body	C	50	100	48.376820	48.357700	12.177160	0.013230	0.056750
1997	Baggage Tractor, Wide Body	D	50	100	5.839230	1.080610	6.805010	0.908130	1.101770
1997	Baggage Tractor, Wide Body	G	100	175	347.957640	12.706720	7.239990	0.174260	0.068010
1997	Baggage Tractor, Wide Body	L	100	175	48.376820	3.291280	12.177160	0.013230	0.056750
1997	Belt Loader, Commuter	C	50	100	33.361250	37.196290	12.176980	0.013270	0.056750
1997	Belt Loader, Commuter	D	50	100	3.803600	1.041210	7.326150	0.899460	0.894750
1997	Belt Loader, Commuter	G	100	175	241.064060	10.025060	7.243270	0.175680	0.068250
1997	Belt Loader, Commuter	L	100	175	33.361250	2.536110	12.176980	0.013270	0.056750
1997	Belt Loader, Narrow Body	C	50	100	33.361250	37.196290	12.176980	0.013270	0.056750
1997	Belt Loader, Narrow Body	D	50	100	3.803600	1.041210	7.326150	0.899460	0.894750
1997	Belt Loader, Narrow Body	G	100	175	241.064060	10.025060	7.243270	0.175680	0.068250

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Year	Type	Fuel	Min. Power	Max. Power	CO G/HPHR	HC G/HPHR	NOX G/HPHR	SOX G/HPHR	PM G/HPHR
1997	Belt Loader, Narrow Body	L	100	175	33.361250	2.536110	12.176980	0.013270	0.056750
1997	Belt Loader, Wide Body	C	50	100	33.361250	37.196290	12.176980	0.013270	0.056750
1997	Belt Loader, Wide Body	D	50	100	3.803600	1.041210	7.326150	0.899460	0.894750
1997	Belt Loader, Wide Body	G	100	175	241.064060	10.025060	7.243270	0.175680	0.068250
1997	Belt Loader, Wide Body	L	100	175	33.361250	2.536110	12.176980	0.013270	0.056750
1997	Bobtail	C	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
1997	Bobtail	D	175	300	4.303220	0.761550	8.414910	0.818800	0.702380
1997	Bobtail	G	100	175	349.206780	12.711590	7.242580	0.174240	0.068200
1997	Bobtail	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
1997	Cabin Service Truck, Comm/Reg	C	50	100	48.333730	48.238890	12.176080	0.013230	0.056710
1997	Cabin Service Truck, Comm/Reg	D	50	100	1.055460	0.360570	4.702680	0.811890	0.172400
1997	Cabin Service Truck, Comm/Reg	G	100	175	15.169160	3.409050	4.190230	0.285690	0.061490
1997	Cabin Service Truck, Comm/Reg	L	100	175	48.333730	3.289020	12.176080	0.013230	0.056710
1997	Cabin Service Truck, Narrow	C	300	600	48.333730	48.238890	12.176080	0.013230	0.056710
1997	Cabin Service Truck, Narrow	D	175	300	1.055460	0.360570	4.702680	0.811890	0.172400
1997	Cabin Service Truck, Narrow	G	175	300	15.169160	3.409050	4.190230	0.285690	0.061490
1997	Cabin Service Truck, Narrow	L	175	300	48.333730	3.289020	12.176080	0.013230	0.056710
1997	Cabin Service Truck, Wide Body	C	300	600	48.333730	48.238890	12.176080	0.013230	0.056710
1997	Cabin Service Truck, Wide Body	D	175	300	1.055460	0.360570	4.702680	0.811890	0.172400
1997	Cabin Service Truck, Wide Body	G	175	300	15.169160	3.409050	4.190230	0.285690	0.061490
1997	Cabin Service Truck, Wide Body	L	175	300	48.333730	3.289020	12.176080	0.013230	0.056710
1997	Cargo Loader, Narrow Body	C	50	100	48.294960	48.294410	12.175110	0.013230	0.056680
1997	Cargo Loader, Narrow Body	D	50	100	7.144100	1.620260	9.497790	0.952050	1.061850
1997	Cargo Loader, Narrow Body	G	100	175	349.347900	12.941040	7.242870	0.174240	0.068220
1997	Cargo Loader, Narrow Body	L	100	175	48.294960	3.286980	12.175110	0.013230	0.056680
1997	Cargo Loader, Wide, Lower Lobe	C	50	100	48.294960	48.294410	12.175110	0.013230	0.056680
1997	Cargo Loader, Wide, Lower Lobe	D	50	100	7.144100	1.620260	9.497790	0.952050	1.061850
1997	Cargo Loader, Wide, Lower Lobe	G	100	175	349.347900	12.941040	7.242870	0.174240	0.068220
1997	Cargo Loader, Wide, Lower Lobe	L	100	175	48.294960	3.286980	12.175110	0.013230	0.056680
1997	Cargo Loader, Wide, Main Deck	D	100	175	7.144100	1.620260	9.497790	0.952050	1.061850
1997	Cargo Tractor	C	50	100	48.370980	48.353190	12.177020	0.013230	0.056750
1997	Cargo Tractor	D	50	100	5.567540	1.127340	8.994250	0.907900	1.248150
1997	Cargo Tractor	G	100	175	351.244590	12.809150	7.246800	0.174220	0.068510
1997	Cargo Tractor	L	100	175	48.370980	3.290980	12.177020	0.013230	0.056750
1997	Cart	C	25	40	0.000000	0.000000	0.000000	0.000000	0.000000
1997	Cart	D	25	40	0.000000	0.000000	0.000000	0.000000	0.000000
1997	Cart	G	25	40	347.999790	18.636850	7.240080	0.174260	0.068020
1997	Cart	L	25	40	0.000000	0.000000	0.000000	0.000000	0.000000
1997	Catering Truck, Commuter/Reg	C	50	100	48.333730	48.238890	12.176080	0.013230	0.056710
1997	Catering Truck, Commuter/Reg	D	50	100	1.055460	0.360570	4.702680	0.811890	0.172400
1997	Catering Truck, Commuter/Reg	G	100	175	15.169160	3.409050	4.190230	0.285690	0.061490
1997	Catering Truck, Commuter/Reg	L	100	175	48.333730	3.289020	12.176080	0.013230	0.056710
1997	Catering Truck, Narrow Body	C	300	600	48.333730	48.238890	12.176080	0.013230	0.056710
1997	Catering Truck, Narrow Body	D	175	300	1.055460	0.360570	4.702680	0.811890	0.172400
1997	Catering Truck, Narrow Body	G	175	300	15.169160	3.409050	4.190230	0.285690	0.061490
1997	Catering Truck, Narrow Body	L	175	300	48.333730	3.289020	12.176080	0.013230	0.056710
1997	Catering Truck, Wide Body	C	300	600	48.333730	48.238890	12.176080	0.013230	0.056710
1997	Catering Truck, Wide Body	D	175	300	1.055460	0.360570	4.702680	0.811890	0.172400
1997	Catering Truck, Wide Body	G	175	300	15.169160	3.409050	4.190230	0.285690	0.061490
1997	Catering Truck, Wide Body	L	175	300	48.333730	3.289020	12.176080	0.013230	0.056710
1997	Deicer, Dual Engine	C	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
1997	Deicer, Dual Engine	D	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
1997	Deicer, Dual Engine	G	175	300	239.813740	10.782650	7.239520	0.175700	0.067980
1997	Deicer, Dual Engine	L	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
1997	Deicer, Single Engine	C	50	100	0.000000	0.000000	0.000000	0.000000	0.000000
1997	Deicer, Single Engine	D	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
1997	Deicer, Single Engine	G	100	175	239.813740	10.782650	7.239520	0.175700	0.067980
1997	Deicer, Single Engine	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
1997	Fork Lift	C	50	100	48.448760	48.413330	12.178970	0.013230	0.056820
1997	Fork Lift	D	50	100	7.600380	1.943150	11.336070	0.950460	1.513400
1997	Fork Lift	G	50	100	347.999780	13.403710	7.240080	0.174260	0.068020
1997	Fork Lift	L	50	100	48.448760	3.295070	12.178970	0.013230	0.056820
1997	Fuel Truck, Ground Equipment	C	300	600	48.294960	48.208970	12.175110	0.013230	0.056680
1997	Fuel Truck, Ground Equipment	D	175	300	1.642540	0.510270	5.343280	0.811160	0.495160
1997	Fuel Truck, Ground Equipment	G	175	300	25.999700	4.035220	4.517620	0.265690	0.063730
1997	Fuel Truck, Ground Equipment	L	175	300	48.294960	3.286980	12.175110	0.013230	0.056680
1997	Fuel Truck, Large, 8,000+ gal	D	300	600	1.642540	0.510270	5.343280	0.811160	0.495160
1997	Fuel Truck, MidSize, 3-6,000 g	C	300	600	48.294960	48.208970	12.175110	0.013230	0.056680

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Table F1

Ground Support Equipment Emission Indices

Year	Type	Fuel	Min. Power	Max. Power	CO G/HPHR	HC G/HPHR	NOX G/HPHR	SOX G/HPHR	PM G/HPHR
1997	Fuel Truck, MidSize, 3-6,000 g	D	175	300	1.642540	0.510270	5.343280	0.811160	0.495160
1997	Fuel Truck, MidSize, 3-6,000 g	G	300	600	25.999700	4.035220	4.517620	0.265690	0.063730
1997	Fuel Truck, MidSize, 3-6,000 g	L	300	600	48.294960	3.286980	12.175110	0.013230	0.056680
1997	Fuel Truck, Small, < 3,000 gal	C	300	600	48.294960	48.208970	12.175110	0.013230	0.056680
1997	Fuel Truck, Small, < 3,000 gal	D	175	300	1.642540	0.510270	5.343280	0.811160	0.495160
1997	Fuel Truck, Small, < 3,000 gal	G	300	600	25.999700	4.035220	4.517620	0.265690	0.063730
1997	Fuel Truck, Small, < 3,000 gal	L	300	600	48.294960	3.286980	12.175110	0.013230	0.056680
1997	Generator	C	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
1997	Generator	D	100	175	2.956840	0.846920	10.270770	0.809510	0.759200
1997	Generator	G	100	175	239.999840	9.899160	7.240080	0.175700	0.068020
1997	Generator	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
1997	Ground Power Unit, 28VDC	C	50	100	0.000000	0.000000	0.000000	0.000000	0.000000
1997	Ground Power Unit, 28VDC	D	50	100	2.711440	0.677730	8.299280	0.810340	0.492200
1997	Ground Power Unit, 28VDC	G	100	175	239.851480	9.811900	7.239630	0.175700	0.067980
1997	Ground Power Unit, 28VDC	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
1997	Ground Power Unit, 400 Hz	D	175	300	2.711440	0.677730	8.299280	0.810340	0.492200
1997	Hydrant Truck, Narrow Body	C	300	600	0.000000	0.000000	0.000000	0.000000	0.000000
1997	Hydrant Truck, Narrow Body	D	175	300	2.707670	0.722590	6.149730	0.810120	1.149990
1997	Hydrant Truck, Narrow Body	G	175	300	18.015240	3.427920	4.274640	0.280560	0.062110
1997	Hydrant Truck, Narrow Body	L	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
1997	Hydrant Truck, Wide Body	C	300	600	0.000000	0.000000	0.000000	0.000000	0.000000
1997	Hydrant Truck, Wide Body	D	175	300	2.707670	0.722590	6.149730	0.810120	1.149990
1997	Hydrant Truck, Wide Body	G	175	300	18.015240	3.427920	4.274640	0.280560	0.062110
1997	Hydrant Truck, Wide Body	L	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
1997	Lavatory Truck, Narrow Body	C	50	100	48.294960	48.208970	12.175110	0.013230	0.056680
1997	Lavatory Truck, Narrow Body	D	50	100	2.442310	0.669420	5.948880	0.810380	0.989850
1997	Lavatory Truck, Narrow Body	G	50	100	9.758900	3.286590	4.057450	0.293700	0.060450
1997	Lavatory Truck, Narrow Body	L	50	100	48.294960	3.286980	12.175110	0.013230	0.056680
1997	Lavatory Truck, Wide Body	C	300	600	48.294960	48.208970	12.175110	0.013230	0.056680
1997	Lavatory Truck, Wide Body	D	175	300	2.442310	0.669420	5.948880	0.810380	0.989850
1997	Lavatory Truck, Wide Body	G	175	300	9.758900	3.286590	4.057450	0.293700	0.060450
1997	Lavatory Truck, Wide Body	L	175	300	48.294960	3.286980	12.175110	0.013230	0.056680
1997	Lift	C	100	175	48.294960	48.294410	12.175110	0.013230	0.056680
1997	Lift	D	100	175	7.600000	1.942940	11.334860	0.950460	1.513060
1997	Lift	G	100	175	348.460940	12.914500	7.241030	0.174250	0.068090
1997	Lift	L	100	175	48.294960	3.286980	12.175110	0.013230	0.056680
1997	Other	C	0	9999	48.312050	48.307620	12.175540	0.013230	0.056690
1997	Other	D	0	9999	4.266690	0.743890	8.227250	0.818880	0.666420
1997	Other	G	0	9999	348.162760	12.856490	7.240410	0.174260	0.068040
1997	Other	L	0	9999	48.312050	3.287870	12.175540	0.013230	0.056690
1997	Passenger Stand	C	50	100	48.245930	48.171130	12.173880	0.013230	0.056630
1997	Passenger Stand	D	50	100	2.690080	0.719280	6.137360	0.810140	1.138780
1997	Passenger Stand	G	100	175	31.073700	5.286690	4.677280	0.255810	0.064630
1997	Passenger Stand	L	100	175	48.245930	3.284400	12.173880	0.013230	0.056630
1997	Service Truck	C	300	600	48.295790	48.209610	12.175130	0.013230	0.056680
1997	Service Truck	D	175	300	1.991220	0.579300	5.606990	0.810820	0.713380
1997	Service Truck	G	175	300	31.062590	4.811310	4.676930	0.255830	0.064630
1997	Service Truck	L	175	300	48.295790	3.287020	12.175130	0.013230	0.056680
1997	Sweeper	C	40	50	48.387020	48.365590	12.177420	0.013230	0.056760
1997	Sweeper	D	50	100	5.567370	1.127330	8.994200	0.907900	1.248050
1997	Sweeper	G	50	100	348.012290	13.289690	7.240100	0.174260	0.068020
1997	Sweeper	L	40	50	48.387020	3.291820	12.177420	0.013230	0.056760
1997	Water Service	C	300	600	0.000000	0.000000	0.000000	0.000000	0.000000
1997	Water Service	D	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
1997	Water Service	G	175	300	31.074540	4.735920	4.677290	0.255810	0.064630
1997	Water Service	L	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
1998	Air Conditioner, Narrow Body	D	175	300	2.386610	0.610680	7.733510	0.810670	0.451650
1998	Air Conditioner, Wide Body	D	175	300	2.386610	0.610680	7.733510	0.810670	0.451650
1998	Air Start	G	175	300	239.999900	11.790200	7.240080	0.175700	0.068020
1998	Air Start, 180 PPM	D	300	600	2.764980	0.741900	9.648700	0.810030	0.679170
1998	Air Start, 300 PPM	D	750	1000	2.764980	0.741900	9.648700	0.810030	0.679170
1998	Aircraft Tractor, Commuter/Reg	C	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
1998	Aircraft Tractor, Commuter/Reg	D	50	100	3.735450	0.687800	7.936990	0.819160	0.663260
1998	Aircraft Tractor, Commuter/Reg	G	100	175	348.012580	12.770600	7.240100	0.174260	0.068020
1998	Aircraft Tractor, Commuter/Reg	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
1998	Aircraft Tractor, Mid-Range	D	175	300	3.735450	0.687800	7.936990	0.819160	0.663260
1998	Aircraft Tractor, Narrow Body	C	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
1998	Aircraft Tractor, Narrow Body	D	50	100	3.735450	0.687800	7.936990	0.819160	0.663260

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Year	Type	Fuel	Min. Power	Max. Power	CO G/HPHR	HC G/HPHR	NOX G/HPHR	SOX G/HPHR	PM G/HPHR
1998	Aircraft Tractor, Narrow Body	G	100	175	348.012580	12.770600	7.240100	0.174260	0.068020
1998	Aircraft Tractor, Narrow Body	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
1998	Aircraft Tractor, Wide Body	D	300	600	3.735450	0.687800	7.936990	0.819160	0.663260
1998	Aircraft Tug Towbarless Narrow	D	50	100	3.735450	0.687800	7.936990	0.819160	0.663260
1998	Aircraft Tug Towbarless Wide	D	600	750	3.735450	0.687800	7.936990	0.819160	0.663260
1998	Baggage Tractor, Commuter	C	50	100	48.376810	48.357690	12.177160	0.013230	0.056750
1998	Baggage Tractor, Commuter	D	50	100	5.571680	1.002210	6.550890	0.908520	1.046840
1998	Baggage Tractor, Commuter	G	100	175	347.957670	12.706720	7.239990	0.174260	0.068010
1998	Baggage Tractor, Commuter	L	100	175	48.376810	3.291280	12.177160	0.013230	0.056750
1998	Baggage Tractor, Narrow Body	C	50	100	48.376810	48.357690	12.177160	0.013230	0.056750
1998	Baggage Tractor, Narrow Body	D	50	100	5.571680	1.002210	6.550890	0.908520	1.046840
1998	Baggage Tractor, Narrow Body	G	100	175	347.957670	12.706720	7.239990	0.174260	0.068010
1998	Baggage Tractor, Narrow Body	L	100	175	48.376810	3.291280	12.177160	0.013230	0.056750
1998	Baggage Tractor, Wide Body	C	50	100	48.376810	48.357690	12.177160	0.013230	0.056750
1998	Baggage Tractor, Wide Body	D	50	100	5.571680	1.002210	6.550890	0.908520	1.046840
1998	Baggage Tractor, Wide Body	G	100	175	347.957670	12.706720	7.239990	0.174260	0.068010
1998	Baggage Tractor, Wide Body	L	100	175	48.376810	3.291280	12.177160	0.013230	0.056750
1998	Belt Loader, Commuter	C	50	100	33.361240	37.196290	12.176980	0.013270	0.056750
1998	Belt Loader, Commuter	D	50	100	3.658680	0.975960	7.051050	0.899780	0.854340
1998	Belt Loader, Commuter	G	100	175	241.064050	10.025060	7.243270	0.175680	0.068250
1998	Belt Loader, Commuter	L	100	175	33.361240	2.536110	12.176980	0.013270	0.056750
1998	Belt Loader, Narrow Body	C	50	100	33.361240	37.196290	12.176980	0.013270	0.056750
1998	Belt Loader, Narrow Body	D	50	100	3.658680	0.975960	7.051050	0.899780	0.854340
1998	Belt Loader, Narrow Body	G	100	175	241.064050	10.025060	7.243270	0.175680	0.068250
1998	Belt Loader, Narrow Body	L	100	175	33.361240	2.536110	12.176980	0.013270	0.056750
1998	Belt Loader, Wide Body	C	50	100	33.361240	37.196290	12.176980	0.013270	0.056750
1998	Belt Loader, Wide Body	D	50	100	3.658680	0.975960	7.051050	0.899780	0.854340
1998	Belt Loader, Wide Body	G	100	175	241.064050	10.025060	7.243270	0.175680	0.068250
1998	Belt Loader, Wide Body	L	100	175	33.361240	2.536110	12.176980	0.013270	0.056750
1998	Bobtail	C	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
1998	Bobtail	D	175	300	3.980690	0.700670	7.892760	0.819100	0.633990
1998	Bobtail	G	100	175	349.206760	12.711590	7.242580	0.174240	0.068200
1998	Bobtail	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
1998	Cabin Service Truck, Comm/Reg	C	50	100	48.333720	48.238890	12.176080	0.013230	0.056710
1998	Cabin Service Truck, Comm/Reg	D	50	100	0.974520	0.341260	4.669430	0.811990	0.142220
1998	Cabin Service Truck, Comm/Reg	G	100	175	12.822770	3.305560	4.132480	0.289170	0.061040
1998	Cabin Service Truck, Comm/Reg	L	100	175	48.333720	3.289020	12.176080	0.013230	0.056710
1998	Cabin Service Truck, Narrow	C	300	600	48.333720	48.238890	12.176080	0.013230	0.056710
1998	Cabin Service Truck, Narrow	D	175	300	0.974520	0.341260	4.669430	0.811990	0.142220
1998	Cabin Service Truck, Narrow	G	175	300	12.822770	3.305560	4.132480	0.289170	0.061040
1998	Cabin Service Truck, Narrow	L	175	300	48.333720	3.289020	12.176080	0.013230	0.056710
1998	Cabin Service Truck, Wide Body	C	300	600	48.333720	48.238890	12.176080	0.013230	0.056710
1998	Cabin Service Truck, Wide Body	D	175	300	0.974520	0.341260	4.669430	0.811990	0.142220
1998	Cabin Service Truck, Wide Body	G	175	300	12.822770	3.305560	4.132480	0.289170	0.061040
1998	Cabin Service Truck, Wide Body	L	175	300	48.333720	3.289020	12.176080	0.013230	0.056710
1998	Cargo Loader, Narrow Body	C	50	100	48.294970	48.294410	12.175110	0.013230	0.056680
1998	Cargo Loader, Narrow Body	D	50	100	6.587120	1.510250	9.037050	0.952590	0.997460
1998	Cargo Loader, Narrow Body	G	100	175	349.347990	12.941040	7.242870	0.174240	0.068220
1998	Cargo Loader, Narrow Body	L	100	175	48.294970	3.286980	12.175110	0.013230	0.056680
1998	Cargo Loader, Wide, Lower Lobe	C	50	100	48.294970	48.294410	12.175110	0.013230	0.056680
1998	Cargo Loader, Wide, Lower Lobe	D	50	100	6.587120	1.510250	9.037050	0.952590	0.997460
1998	Cargo Loader, Wide, Lower Lobe	G	100	175	349.347990	12.941040	7.242870	0.174240	0.068220
1998	Cargo Loader, Wide, Lower Lobe	L	100	175	48.294970	3.286980	12.175110	0.013230	0.056680
1998	Cargo Loader, Wide, Main Deck	D	100	175	6.587120	1.510250	9.037050	0.952590	0.997460
1998	Cargo Tractor	C	50	100	48.370990	48.353190	12.177020	0.013230	0.056750
1998	Cargo Tractor	D	50	100	5.485940	1.083430	8.526710	0.908120	1.200440
1998	Cargo Tractor	G	100	175	351.244620	12.809150	7.246800	0.174220	0.068510
1998	Cargo Tractor	L	100	175	48.370990	3.290980	12.177020	0.013230	0.056750
1998	Cart	C	25	40	0.000000	0.000000	0.000000	0.000000	0.000000
1998	Cart	D	25	40	0.000000	0.000000	0.000000	0.000000	0.000000
1998	Cart	G	25	40	347.999840	18.636850	7.240080	0.174260	0.068020
1998	Cart	L	25	40	0.000000	0.000000	0.000000	0.000000	0.000000
1998	Catering Truck, Commuter/Reg	C	50	100	48.333720	48.238890	12.176080	0.013230	0.056710
1998	Catering Truck, Commuter/Reg	D	50	100	0.974520	0.341260	4.669430	0.811990	0.142220
1998	Catering Truck, Commuter/Reg	G	100	175	12.822770	3.305560	4.132480	0.289170	0.061040
1998	Catering Truck, Commuter/Reg	L	100	175	48.333720	3.289020	12.176080	0.013230	0.056710
1998	Catering Truck, Narrow Body	C	300	600	48.333720	48.238890	12.176080	0.013230	0.056710
1998	Catering Truck, Narrow Body	D	175	300	0.974520	0.341260	4.669430	0.811990	0.142220

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Ground Support Equipment Emission Indices

Year	Type	Fuel	Min. Power	Max. Power	CO G/HPHR	HC G/HPHR	NOX G/HPHR	SOX G/HPHR	PM G/HPHR
1998	Catering Truck, Narrow Body	G	175	300	12.822770	3.305560	4.132480	0.289170	0.061040
1998	Catering Truck, Narrow Body	L	175	300	48.333720	3.289020	12.176080	0.013230	0.056710
1998	Catering Truck, Wide Body	C	300	600	48.333720	48.238890	12.176080	0.013230	0.056710
1998	Catering Truck, Wide Body	D	175	300	0.974520	0.341260	4.669430	0.811990	0.142220
1998	Catering Truck, Wide Body	G	175	300	12.822770	3.305560	4.132480	0.289170	0.061040
1998	Catering Truck, Wide Body	L	175	300	48.333720	3.289020	12.176080	0.013230	0.056710
1998	Deicer, Dual Engine	C	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
1998	Deicer, Dual Engine	D	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
1998	Deicer, Dual Engine	G	175	300	239.813730	10.782650	7.239520	0.175700	0.067980
1998	Deicer, Dual Engine	L	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
1998	Deicer, Single Engine	C	50	100	0.000000	0.000000	0.000000	0.000000	0.000000
1998	Deicer, Single Engine	D	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
1998	Deicer, Single Engine	G	100	175	239.813730	10.782650	7.239520	0.175700	0.067980
1998	Deicer, Single Engine	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
1998	Fork Lift	C	50	100	48.448760	48.413330	12.178970	0.013230	0.056820
1998	Fork Lift	D	50	100	7.202290	1.827130	10.771770	0.951030	1.408650
1998	Fork Lift	G	50	100	347.999770	13.403710	7.240080	0.174260	0.068020
1998	Fork Lift	L	50	100	48.448760	3.295070	12.178970	0.013230	0.056820
1998	Fuel Truck, Ground Equipment	C	300	600	48.294950	48.208970	12.175110	0.013230	0.056680
1998	Fuel Truck, Ground Equipment	D	175	300	1.470680	0.465700	5.153090	0.811380	0.402140
1998	Fuel Truck, Ground Equipment	G	175	300	22.139380	3.841490	4.402950	0.272740	0.063000
1998	Fuel Truck, Ground Equipment	L	175	300	48.294950	3.286980	12.175110	0.013230	0.056680
1998	Fuel Truck, Large, 8,000+ gal	D	300	600	1.470680	0.465700	5.153090	0.811380	0.402140
1998	Fuel Truck, MidSize, 3-6,000 g	C	300	600	48.294950	48.208970	12.175110	0.013230	0.056680
1998	Fuel Truck, MidSize, 3-6,000 g	D	175	300	1.470680	0.465700	5.153090	0.811380	0.402140
1998	Fuel Truck, MidSize, 3-6,000 g	G	300	600	22.139380	3.841490	4.402950	0.272740	0.063000
1998	Fuel Truck, MidSize, 3-6,000 g	L	300	600	48.294950	3.286980	12.175110	0.013230	0.056680
1998	Fuel Truck, Small, < 3,000 gal	C	300	600	48.294950	48.208970	12.175110	0.013230	0.056680
1998	Fuel Truck, Small, < 3,000 gal	D	175	300	1.470680	0.465700	5.153090	0.811380	0.402140
1998	Fuel Truck, Small, < 3,000 gal	G	300	600	22.139380	3.841490	4.402950	0.272740	0.063000
1998	Fuel Truck, Small, < 3,000 gal	L	300	600	48.294950	3.286980	12.175110	0.013230	0.056680
1998	Generator	C	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
1998	Generator	D	100	175	2.802180	0.796360	9.759130	0.809760	0.706090
1998	Generator	G	100	175	239.999850	9.899160	7.240080	0.175700	0.068020
1998	Generator	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
1998	Ground Power Unit, 28VDC	C	50	100	0.000000	0.000000	0.000000	0.000000	0.000000
1998	Ground Power Unit, 28VDC	D	50	100	2.441990	0.623860	7.853830	0.810600	0.463320
1998	Ground Power Unit, 28VDC	G	100	175	239.851490	9.811900	7.239630	0.175700	0.067980
1998	Ground Power Unit, 28VDC	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
1998	Ground Power Unit, 400 Hz	D	175	300	2.441990	0.623860	7.853830	0.810600	0.463320
1998	Hydrant Truck, Narrow Body	C	300	600	0.000000	0.000000	0.000000	0.000000	0.000000
1998	Hydrant Truck, Narrow Body	D	175	300	2.460340	0.669690	5.950020	0.810380	1.007220
1998	Hydrant Truck, Narrow Body	G	175	300	14.100550	3.233480	4.164650	0.287230	0.061290
1998	Hydrant Truck, Narrow Body	L	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
1998	Hydrant Truck, Wide Body	C	300	600	0.000000	0.000000	0.000000	0.000000	0.000000
1998	Hydrant Truck, Wide Body	D	175	300	2.460340	0.669690	5.950020	0.810380	1.007220
1998	Hydrant Truck, Wide Body	G	175	300	14.100550	3.233480	4.164650	0.287230	0.061290
1998	Hydrant Truck, Wide Body	L	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
1998	Lavatory Truck, Narrow Body	C	50	100	48.294950	48.208970	12.175110	0.013230	0.056680
1998	Lavatory Truck, Narrow Body	D	50	100	2.178530	0.613100	5.736320	0.810660	0.836200
1998	Lavatory Truck, Narrow Body	G	50	100	8.677770	3.249140	4.036560	0.294960	0.060280
1998	Lavatory Truck, Narrow Body	L	50	100	48.294950	3.286980	12.175110	0.013230	0.056680
1998	Lavatory Truck, Wide Body	C	300	600	48.294950	48.208970	12.175110	0.013230	0.056680
1998	Lavatory Truck, Wide Body	D	175	300	2.178530	0.613100	5.736320	0.810660	0.836200
1998	Lavatory Truck, Wide Body	G	175	300	8.677770	3.249140	4.036560	0.294960	0.060280
1998	Lavatory Truck, Wide Body	L	175	300	48.294950	3.286980	12.175110	0.013230	0.056680
1998	Lift	C	100	175	48.294960	48.294420	12.175110	0.013230	0.056680
1998	Lift	D	100	175	7.201800	1.826880	10.770400	0.951030	1.408280
1998	Lift	G	100	175	348.460960	12.914500	7.241030	0.174250	0.068090
1998	Lift	L	100	175	48.294960	3.286980	12.175110	0.013230	0.056680
1998	Other	C	0	9999	48.312050	48.307620	12.175540	0.013230	0.056690
1998	Other	D	0	9999	3.943390	0.692980	7.823850	0.819130	0.623380
1998	Other	G	0	9999	348.162730	12.856490	7.240410	0.174260	0.068040
1998	Other	L	0	9999	48.312050	3.287870	12.175540	0.013230	0.056690
1998	Passenger Stand	C	50	100	48.245940	48.171130	12.173870	0.013230	0.056630
1998	Passenger Stand	D	50	100	2.441170	0.666040	5.936380	0.810400	0.995080
1998	Passenger Stand	G	100	175	27.566640	5.111210	4.570350	0.262440	0.064040
1998	Passenger Stand	L	100	175	48.245940	3.284400	12.173870	0.013230	0.056630

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Year	Type	Fuel	Min. Power	Max. Power	CO G/HPHR	HC G/HPHR	NOX G/HPHR	SOX G/HPHR	PM G/HPHR
1998	Service Truck	C	300	600	48.295790	48.209610	12.175130	0.013230	0.056680
1998	Service Truck	D	175	300	1.711040	0.519370	5.379690	0.811120	0.548020
1998	Service Truck	G	175	300	27.554370	4.635770	4.569970	0.262460	0.064040
1998	Service Truck	L	175	300	48.295790	3.287020	12.175130	0.013230	0.056680
1998	Sweeper	C	40	50	48.387030	48.365590	12.177420	0.013230	0.056760
1998	Sweeper	D	50	100	5.485770	1.083420	8.526670	0.908120	1.200360
1998	Sweeper	G	50	100	348.012290	13.289690	7.240100	0.174260	0.068020
1998	Sweeper	L	40	50	48.387030	3.291820	12.177420	0.013230	0.056760
1998	Water Service	C	300	600	0.000000	0.000000	0.000000	0.000000	0.000000
1998	Water Service	D	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
1998	Water Service	G	175	300	27.567340	4.560430	4.570360	0.262440	0.064040
1998	Water Service	L	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
1999	Air Conditioner, Narrow Body	D	175	300	2.106030	0.558240	7.313100	0.810930	0.426370
1999	Air Conditioner, Wide Body	D	175	300	2.106030	0.558240	7.313100	0.810930	0.426370
1999	Air Start	G	175	300	239.999800	11.790200	7.240070	0.175700	0.068020
1999	Air Start, 180 PPM	D	300	600	2.642900	0.682980	9.180250	0.810310	0.620450
1999	Air Start, 300 PPM	D	750	1000	2.642900	0.682980	9.180250	0.810310	0.620450
1999	Aircraft Tractor, Commuter/Reg	C	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
1999	Aircraft Tractor, Commuter/Reg	D	50	100	3.427170	0.630020	7.454620	0.819440	0.595900
1999	Aircraft Tractor, Commuter/Reg	G	100	175	348.012500	12.770590	7.240100	0.174260	0.068020
1999	Aircraft Tractor, Commuter/Reg	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
1999	Aircraft Tractor, Mid-Range	D	175	300	3.427170	0.630020	7.454620	0.819440	0.595900
1999	Aircraft Tractor, Narrow Body	C	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
1999	Aircraft Tractor, Narrow Body	D	50	100	3.427170	0.630020	7.454620	0.819440	0.595900
1999	Aircraft Tractor, Narrow Body	G	100	175	348.012500	12.770590	7.240100	0.174260	0.068020
1999	Aircraft Tractor, Narrow Body	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
1999	Aircraft Tractor, Wide Body	D	300	600	3.427170	0.630020	7.454620	0.819440	0.595900
1999	Aircraft Tug Towbarless Narrow	D	50	100	3.427170	0.630020	7.454620	0.819440	0.595900
1999	Aircraft Tug Towbarless Wide	D	600	750	3.427170	0.630020	7.454620	0.819440	0.595900
1999	Baggage Tractor, Commuter	C	50	100	48.376810	48.357700	12.177160	0.013230	0.056750
1999	Baggage Tractor, Commuter	D	50	100	5.300160	0.926070	6.313960	0.908890	0.991640
1999	Baggage Tractor, Commuter	G	100	175	347.957670	12.706720	7.239990	0.174260	0.068010
1999	Baggage Tractor, Commuter	L	100	175	48.376810	3.291280	12.177160	0.013230	0.056750
1999	Baggage Tractor, Narrow Body	C	50	100	48.376810	48.357700	12.177160	0.013230	0.056750
1999	Baggage Tractor, Narrow Body	D	50	100	5.300160	0.926070	6.313960	0.908890	0.991640
1999	Baggage Tractor, Narrow Body	G	100	175	347.957670	12.706720	7.239990	0.174260	0.068010
1999	Baggage Tractor, Narrow Body	L	100	175	48.376810	3.291280	12.177160	0.013230	0.056750
1999	Baggage Tractor, Wide Body	C	50	100	48.376810	48.357700	12.177160	0.013230	0.056750
1999	Baggage Tractor, Wide Body	D	50	100	5.300160	0.926070	6.313960	0.908890	0.991640
1999	Baggage Tractor, Wide Body	G	100	175	347.957670	12.706720	7.239990	0.174260	0.068010
1999	Baggage Tractor, Wide Body	L	100	175	48.376810	3.291280	12.177160	0.013230	0.056750
1999	Belt Loader, Commuter	C	50	100	33.361240	37.196290	12.176980	0.013270	0.056750
1999	Belt Loader, Commuter	D	50	100	3.511300	0.912880	6.805470	0.900090	0.814790
1999	Belt Loader, Commuter	G	100	175	241.064080	10.025060	7.243270	0.175680	0.068250
1999	Belt Loader, Commuter	L	100	175	33.361240	2.536110	12.176980	0.013270	0.056750
1999	Belt Loader, Narrow Body	C	50	100	33.361240	37.196290	12.176980	0.013270	0.056750
1999	Belt Loader, Narrow Body	D	50	100	3.511300	0.912880	6.805470	0.900090	0.814790
1999	Belt Loader, Narrow Body	G	100	175	241.064080	10.025060	7.243270	0.175680	0.068250
1999	Belt Loader, Narrow Body	L	100	175	33.361240	2.536110	12.176980	0.013270	0.056750
1999	Belt Loader, Wide Body	C	50	100	33.361240	37.196290	12.176980	0.013270	0.056750
1999	Belt Loader, Wide Body	D	50	100	3.511300	0.912880	6.805470	0.900090	0.814790
1999	Belt Loader, Wide Body	G	100	175	241.064080	10.025060	7.243270	0.175680	0.068250
1999	Belt Loader, Wide Body	L	100	175	33.361240	2.536110	12.176980	0.013270	0.056750
1999	Bobtail	C	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
1999	Bobtail	D	175	300	3.670800	0.654530	7.536090	0.819320	0.597980
1999	Bobtail	G	100	175	349.206780	12.711590	7.242580	0.174240	0.068200
1999	Bobtail	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
1999	Cabin Service Truck, Comm/Reg	C	50	100	48.333730	48.238890	12.176080	0.013230	0.056710
1999	Cabin Service Truck, Comm/Reg	D	50	100	0.929930	0.330470	4.649730	0.812040	0.125600
1999	Cabin Service Truck, Comm/Reg	G	100	175	11.305250	3.247280	4.099960	0.291130	0.060780
1999	Cabin Service Truck, Comm/Reg	L	100	175	48.333730	3.289020	12.176080	0.013230	0.056710
1999	Cabin Service Truck, Narrow	C	300	600	48.333730	48.238890	12.176080	0.013230	0.056710
1999	Cabin Service Truck, Narrow	D	175	300	0.929930	0.330470	4.649730	0.812040	0.125600
1999	Cabin Service Truck, Narrow	G	175	300	11.305250	3.247280	4.099960	0.291130	0.060780
1999	Cabin Service Truck, Narrow	L	175	300	48.333730	3.289020	12.176080	0.013230	0.056710
1999	Cabin Service Truck, Wide Body	C	300	600	48.333730	48.238890	12.176080	0.013230	0.056710
1999	Cabin Service Truck, Wide Body	D	175	300	0.929930	0.330470	4.649730	0.812040	0.125600
1999	Cabin Service Truck, Wide Body	G	175	300	11.305250	3.247280	4.099960	0.291130	0.060780

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Year	Type	Fuel	Min. Power	Max. Power	CO G/HPHR	HC G/HPHR	NOX G/HPHR	SOX G/HPHR	PM G/HPHR
1999	Cabin Service Truck, Wide Body	L	175	300	48.333730	3.289020	12.176080	0.013230	0.056710
1999	Cargo Loader, Narrow Body	C	50	100	48.294950	48.294410	12.175100	0.013230	0.056680
1999	Cargo Loader, Narrow Body	D	50	100	6.044340	1.410020	8.629490	0.953080	0.944580
1999	Cargo Loader, Narrow Body	G	100	175	349.347930	12.941040	7.242870	0.174240	0.068220
1999	Cargo Loader, Narrow Body	L	100	175	48.294950	3.286980	12.175100	0.013230	0.056680
1999	Cargo Loader, Wide, Lower Lobe	C	50	100	48.294950	48.294410	12.175100	0.013230	0.056680
1999	Cargo Loader, Wide, Lower Lobe	D	50	100	6.044340	1.410020	8.629490	0.953080	0.944580
1999	Cargo Loader, Wide, Lower Lobe	G	100	175	349.347930	12.941040	7.242870	0.174240	0.068220
1999	Cargo Loader, Wide, Lower Lobe	L	100	175	48.294950	3.286980	12.175100	0.013230	0.056680
1999	Cargo Loader, Wide, Main Deck	D	100	175	6.044340	1.410020	8.629490	0.953080	0.944580
1999	Cargo Tractor	C	50	100	48.370980	48.353180	12.177020	0.013230	0.056750
1999	Cargo Tractor	D	50	100	5.400340	1.039670	8.072920	0.908330	1.152500
1999	Cargo Tractor	G	100	175	351.244640	12.809150	7.246800	0.174220	0.068510
1999	Cargo Tractor	L	100	175	48.370980	3.290980	12.177020	0.013230	0.056750
1999	Cart	C	25	40	0.000000	0.000000	0.000000	0.000000	0.000000
1999	Cart	D	25	40	0.000000	0.000000	0.000000	0.000000	0.000000
1999	Cart	G	25	40	347.999830	18.636850	7.240080	0.174260	0.068020
1999	Cart	L	25	40	0.000000	0.000000	0.000000	0.000000	0.000000
1999	Catering Truck, Commuter/Reg	C	50	100	48.333730	48.238890	12.176080	0.013230	0.056710
1999	Catering Truck, Commuter/Reg	D	50	100	0.929930	0.330470	4.649730	0.812040	0.125600
1999	Catering Truck, Commuter/Reg	G	100	175	11.305250	3.247280	4.099960	0.291130	0.060780
1999	Catering Truck, Commuter/Reg	L	100	175	48.333730	3.289020	12.176080	0.013230	0.056710
1999	Catering Truck, Narrow Body	C	300	600	48.333730	48.238890	12.176080	0.013230	0.056710
1999	Catering Truck, Narrow Body	D	175	300	0.929930	0.330470	4.649730	0.812040	0.125600
1999	Catering Truck, Narrow Body	G	175	300	11.305250	3.247280	4.099960	0.291130	0.060780
1999	Catering Truck, Narrow Body	L	175	300	48.333730	3.289020	12.176080	0.013230	0.056710
1999	Catering Truck, Wide Body	C	300	600	48.333730	48.238890	12.176080	0.013230	0.056710
1999	Catering Truck, Wide Body	D	175	300	0.929930	0.330470	4.649730	0.812040	0.125600
1999	Catering Truck, Wide Body	G	175	300	11.305250	3.247280	4.099960	0.291130	0.060780
1999	Catering Truck, Wide Body	L	175	300	48.333730	3.289020	12.176080	0.013230	0.056710
1999	Deicer, Dual Engine	C	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
1999	Deicer, Dual Engine	D	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
1999	Deicer, Dual Engine	G	175	300	239.813700	10.782650	7.239520	0.175700	0.067980
1999	Deicer, Dual Engine	L	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
1999	Deicer, Single Engine	C	50	100	0.000000	0.000000	0.000000	0.000000	0.000000
1999	Deicer, Single Engine	D	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
1999	Deicer, Single Engine	G	100	175	239.813700	10.782650	7.239520	0.175700	0.067980
1999	Deicer, Single Engine	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
1999	Fork Lift	C	50	100	48.448760	48.413330	12.178970	0.013230	0.056820
1999	Fork Lift	D	50	100	6.812660	1.714890	10.227120	0.951580	1.305450
1999	Fork Lift	G	50	100	347.999840	13.403710	7.240080	0.174260	0.068020
1999	Fork Lift	L	50	100	48.448760	3.295070	12.178970	0.013230	0.056820
1999	Fuel Truck, Ground Equipment	C	300	600	48.294960	48.208970	12.175110	0.013230	0.056680
1999	Fuel Truck, Ground Equipment	D	175	300	1.326990	0.426870	4.984780	0.811570	0.326780
1999	Fuel Truck, Ground Equipment	G	175	300	18.486530	3.658140	4.296610	0.279230	0.062280
1999	Fuel Truck, Ground Equipment	L	175	300	48.294960	3.286980	12.175110	0.013230	0.056680
1999	Fuel Truck, Large, 8,000+ gal	D	300	600	1.326990	0.426870	4.984780	0.811570	0.326780
1999	Fuel Truck, MidSize, 3-6,000 g	C	300	600	48.294960	48.208970	12.175110	0.013230	0.056680
1999	Fuel Truck, MidSize, 3-6,000 g	D	175	300	1.326990	0.426870	4.984780	0.811570	0.326780
1999	Fuel Truck, MidSize, 3-6,000 g	G	300	600	18.486530	3.658140	4.296610	0.279230	0.062280
1999	Fuel Truck, MidSize, 3-6,000 g	L	300	600	48.294960	3.286980	12.175110	0.013230	0.056680
1999	Fuel Truck, Small, < 3,000 gal	C	300	600	48.294960	48.208970	12.175110	0.013230	0.056680
1999	Fuel Truck, Small, < 3,000 gal	D	175	300	1.326990	0.426870	4.984780	0.811570	0.326780
1999	Fuel Truck, Small, < 3,000 gal	G	300	600	18.486530	3.658140	4.296610	0.279230	0.062280
1999	Fuel Truck, Small, < 3,000 gal	L	300	600	48.294960	3.286980	12.175110	0.013230	0.056680
1999	Generator	C	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
1999	Generator	D	100	175	2.650810	0.747450	9.265330	0.810000	0.653760
1999	Generator	G	100	175	239.999860	9.899160	7.240080	0.175700	0.068020
1999	Generator	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
1999	Ground Power Unit, 28VDC	C	50	100	0.000000	0.000000	0.000000	0.000000	0.000000
1999	Ground Power Unit, 28VDC	D	50	100	2.176240	0.572870	7.439150	0.810850	0.437080
1999	Ground Power Unit, 28VDC	G	100	175	239.851500	9.811900	7.239630	0.175700	0.067980
1999	Ground Power Unit, 28VDC	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
1999	Ground Power Unit, 400 Hz	D	175	300	2.176240	0.572870	7.439150	0.810850	0.437080
1999	Hydrant Truck, Narrow Body	C	300	600	0.000000	0.000000	0.000000	0.000000	0.000000
1999	Hydrant Truck, Narrow Body	D	175	300	2.219560	0.618580	5.757110	0.810630	0.866640
1999	Hydrant Truck, Narrow Body	G	175	300	12.279800	3.156750	4.121830	0.289810	0.060950
1999	Hydrant Truck, Narrow Body	L	175	300	0.000000	0.000000	0.000000	0.000000	0.000000

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Year	Type	Fuel	Min. Power	Max. Power	CO G/HPHR	HC G/HPHR	NOX G/HPHR	SOX G/HPHR	PM G/HPHR
1999	Hydrant Truck, Wide Body	C	300	600	0.000000	0.000000	0.000000	0.000000	0.000000
1999	Hydrant Truck, Wide Body	D	175	300	2.219560	0.618580	5.757110	0.810630	0.866640
1999	Hydrant Truck, Wide Body	G	175	300	12.279800	3.156750	4.121830	0.289810	0.060950
1999	Hydrant Truck, Wide Body	L	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
1999	Lavatory Truck, Narrow Body	C	50	100	48.294960	48.208970	12.175110	0.013230	0.056680
1999	Lavatory Truck, Narrow Body	D	50	100	1.921740	0.558720	5.531130	0.810920	0.684810
1999	Lavatory Truck, Narrow Body	G	50	100	8.077420	3.223230	4.022100	0.295830	0.060170
1999	Lavatory Truck, Narrow Body	L	50	100	48.294960	3.286980	12.175110	0.013230	0.056680
1999	Lavatory Truck, Wide Body	C	300	600	48.294960	48.208970	12.175110	0.013230	0.056680
1999	Lavatory Truck, Wide Body	D	175	300	1.921740	0.558720	5.531130	0.810920	0.684810
1999	Lavatory Truck, Wide Body	G	175	300	8.077420	3.223230	4.022100	0.295830	0.060170
1999	Lavatory Truck, Wide Body	L	175	300	48.294960	3.286980	12.175110	0.013230	0.056680
1999	Lift	C	100	175	48.294960	48.294410	12.175110	0.013230	0.056680
1999	Lift	D	100	175	6.812060	1.714610	10.225590	0.951580	1.305050
1999	Lift	G	100	175	348.460960	12.914500	7.241030	0.174250	0.068090
1999	Lift	L	100	175	48.294960	3.286980	12.175110	0.013230	0.056680
1999	Other	C	0	9999	48.312040	48.307620	12.175540	0.013230	0.056690
1999	Other	D	0	9999	3.628810	0.646640	7.467430	0.819360	0.587890
1999	Other	G	0	9999	348.162830	12.856490	7.240410	0.174260	0.068040
1999	Other	L	0	9999	48.312040	3.287870	12.175540	0.013230	0.056690
1999	Passenger Stand	C	50	100	48.245940	48.171130	12.173870	0.013230	0.056630
1999	Passenger Stand	D	50	100	2.198840	0.614610	5.742250	0.810650	0.853590
1999	Passenger Stand	G	100	175	24.126670	4.938250	4.466900	0.268810	0.063410
1999	Passenger Stand	L	100	175	48.245940	3.284400	12.173870	0.013230	0.056630
1999	Service Truck	C	300	600	48.295790	48.209630	12.175130	0.013230	0.056680
1999	Service Truck	D	175	300	1.480010	0.468030	5.178680	0.811370	0.412730
1999	Service Truck	G	175	300	24.113260	4.462750	4.466490	0.268840	0.063410
1999	Service Truck	L	175	300	48.295790	3.287020	12.175130	0.013230	0.056680
1999	Sweeper	C	40	50	48.387020	48.365590	12.177420	0.013230	0.056760
1999	Sweeper	D	50	100	5.400170	1.039670	8.072880	0.908330	1.152420
1999	Sweeper	G	50	100	348.012350	13.289690	7.240100	0.174260	0.068020
1999	Sweeper	L	40	50	48.387020	3.291820	12.177420	0.013230	0.056760
1999	Water Service	C	300	600	0.000000	0.000000	0.000000	0.000000	0.000000
1999	Water Service	D	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
1999	Water Service	G	175	300	24.127220	4.387460	4.466910	0.268810	0.063410
1999	Water Service	L	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
2000	Air Conditioner, Narrow Body	D	175	300	1.828630	0.507890	6.913800	0.811170	0.402130
2000	Air Conditioner, Wide Body	D	175	300	1.828630	0.507890	6.913800	0.811170	0.402130
2000	Air Start	G	175	300	239.999840	11.790200	7.240080	0.175700	0.068020
2000	Air Start, 180 PPM	D	300	600	2.524120	0.626950	8.740150	0.810590	0.564310
2000	Air Start, 300 PPM	D	750	1000	2.524120	0.626950	8.740150	0.810590	0.564310
2000	Aircraft Tractor, Commuter/Reg	C	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2000	Aircraft Tractor, Commuter/Reg	D	50	100	3.141060	0.587130	7.133540	0.819650	0.559010
2000	Aircraft Tractor, Commuter/Reg	G	100	175	348.012540	12.770600	7.240100	0.174260	0.068020
2000	Aircraft Tractor, Commuter/Reg	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2000	Aircraft Tractor, Mid-Range	D	175	300	3.141060	0.587130	7.133540	0.819650	0.559010
2000	Aircraft Tractor, Narrow Body	C	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2000	Aircraft Tractor, Narrow Body	D	50	100	3.141060	0.587130	7.133540	0.819650	0.559010
2000	Aircraft Tractor, Narrow Body	G	100	175	348.012540	12.770600	7.240100	0.174260	0.068020
2000	Aircraft Tractor, Narrow Body	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2000	Aircraft Tractor, Wide Body	D	300	600	3.141060	0.587130	7.133540	0.819650	0.559010
2000	Aircraft Tug Towbarless Narrow	D	50	100	3.141060	0.587130	7.133540	0.819650	0.559010
2000	Aircraft Tug Towbarless Wide	D	600	750	3.141060	0.587130	7.133540	0.819650	0.559010
2000	Baggage Tractor, Commuter	C	50	100	48.376810	48.357690	12.177160	0.013230	0.056750
2000	Baggage Tractor, Commuter	D	50	100	5.033820	0.854920	6.110030	0.909240	0.938850
2000	Baggage Tractor, Commuter	G	100	175	347.957690	12.706720	7.239990	0.174260	0.068010
2000	Baggage Tractor, Commuter	L	100	175	48.376810	3.291280	12.177160	0.013230	0.056750
2000	Baggage Tractor, Narrow Body	C	50	100	48.376810	48.357690	12.177160	0.013230	0.056750
2000	Baggage Tractor, Narrow Body	D	50	100	5.033820	0.854920	6.110030	0.909240	0.938850
2000	Baggage Tractor, Narrow Body	G	100	175	347.957690	12.706720	7.239990	0.174260	0.068010
2000	Baggage Tractor, Narrow Body	L	100	175	48.376810	3.291280	12.177160	0.013230	0.056750
2000	Baggage Tractor, Wide Body	C	50	100	48.376810	48.357690	12.177160	0.013230	0.056750
2000	Baggage Tractor, Wide Body	D	50	100	5.033820	0.854920	6.110030	0.909240	0.938850
2000	Baggage Tractor, Wide Body	G	100	175	347.957690	12.706720	7.239990	0.174260	0.068010
2000	Baggage Tractor, Wide Body	L	100	175	48.376810	3.291280	12.177160	0.013230	0.056750
2000	Belt Loader, Commuter	C	50	100	33.361250	37.196290	12.176980	0.013270	0.056750
2000	Belt Loader, Commuter	D	50	100	3.361950	0.851940	6.587280	0.900390	0.776090
2000	Belt Loader, Commuter	G	100	175	241.064040	10.025060	7.243270	0.175680	0.068250

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Table F1

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Year	Type	Fuel	Min. Power	Max. Power	CO G/HPHR	HC G/HPHR	NOX G/HPHR	SOX G/HPHR	PM G/HPHR
2000	Belt Loader, Commuter	L	100	175	33.361250	2.536110	12.176980	0.013270	0.056750
2000	Belt Loader, Narrow Body	C	50	100	33.361250	37.196290	12.176980	0.013270	0.056750
2000	Belt Loader, Narrow Body	D	50	100	3.361950	0.851940	6.587280	0.900390	0.776090
2000	Belt Loader, Narrow Body	G	100	175	241.064040	10.025060	7.243270	0.175680	0.068250
2000	Belt Loader, Narrow Body	L	100	175	33.361250	2.536110	12.176980	0.013270	0.056750
2000	Belt Loader, Wide Body	C	50	100	33.361250	37.196290	12.176980	0.013270	0.056750
2000	Belt Loader, Wide Body	D	50	100	3.361950	0.851940	6.587280	0.900390	0.776090
2000	Belt Loader, Wide Body	G	100	175	241.064040	10.025060	7.243270	0.175680	0.068250
2000	Belt Loader, Wide Body	L	100	175	33.361250	2.536110	12.176980	0.013270	0.056750
2000	Bobtail	C	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2000	Bobtail	D	175	300	3.368310	0.611740	7.212750	0.819530	0.566920
2000	Bobtail	G	100	175	349.206700	12.711590	7.242580	0.174240	0.068200
2000	Bobtail	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2000	Cabin Service Truck, Comm/Reg	C	50	100	48.333720	48.238890	12.176080	0.013230	0.056710
2000	Cabin Service Truck, Comm/Reg	D	50	100	0.915000	0.326400	4.638370	0.812060	0.119950
2000	Cabin Service Truck, Comm/Reg	G	100	175	10.039740	3.200030	4.073600	0.292720	0.060570
2000	Cabin Service Truck, Comm/Reg	L	100	175	48.333720	3.289020	12.176080	0.013230	0.056710
2000	Cabin Service Truck, Narrow	C	300	600	48.333720	48.238890	12.176080	0.013230	0.056710
2000	Cabin Service Truck, Narrow	D	175	300	0.915000	0.326400	4.638370	0.812060	0.119950
2000	Cabin Service Truck, Narrow	G	175	300	10.039740	3.200030	4.073600	0.292720	0.060570
2000	Cabin Service Truck, Narrow	L	175	300	48.333720	3.289020	12.176080	0.013230	0.056710
2000	Cabin Service Truck, Wide Body	C	300	600	48.333720	48.238890	12.176080	0.013230	0.056710
2000	Cabin Service Truck, Wide Body	D	175	300	0.915000	0.326400	4.638370	0.812060	0.119950
2000	Cabin Service Truck, Wide Body	G	175	300	10.039740	3.200030	4.073600	0.292720	0.060570
2000	Cabin Service Truck, Wide Body	L	175	300	48.333720	3.289020	12.176080	0.013230	0.056710
2000	Cargo Loader, Narrow Body	C	50	100	48.294960	48.294410	12.175110	0.013230	0.056680
2000	Cargo Loader, Narrow Body	D	50	100	5.512460	1.315510	8.251300	0.953540	0.896780
2000	Cargo Loader, Narrow Body	G	100	175	349.347940	12.941040	7.242870	0.174240	0.068220
2000	Cargo Loader, Narrow Body	L	100	175	48.294960	3.286980	12.175110	0.013230	0.056680
2000	Cargo Loader, Wide, Lower Lobe	C	50	100	48.294960	48.294410	12.175110	0.013230	0.056680
2000	Cargo Loader, Wide, Lower Lobe	D	50	100	5.512460	1.315510	8.251300	0.953540	0.896780
2000	Cargo Loader, Wide, Lower Lobe	G	100	175	349.347940	12.941040	7.242870	0.174240	0.068220
2000	Cargo Loader, Wide, Lower Lobe	L	100	175	48.294960	3.286980	12.175110	0.013230	0.056680
2000	Cargo Loader, Wide, Main Deck	D	100	175	5.512460	1.315510	8.251300	0.953540	0.896780
2000	Cargo Tractor	C	50	100	48.370980	48.353190	12.177020	0.013230	0.056750
2000	Cargo Tractor	D	50	100	5.313470	0.997570	7.649540	0.908540	1.106100
2000	Cargo Tractor	G	100	175	351.244600	12.809150	7.246800	0.174220	0.068510
2000	Cargo Tractor	L	100	175	48.370980	3.290980	12.177020	0.013230	0.056750
2000	Cart	C	25	40	0.000000	0.000000	0.000000	0.000000	0.000000
2000	Cart	D	25	40	0.000000	0.000000	0.000000	0.000000	0.000000
2000	Cart	G	25	40	347.999830	18.636850	7.240080	0.174260	0.068020
2000	Cart	L	25	40	0.000000	0.000000	0.000000	0.000000	0.000000
2000	Catering Truck, Commuter/Reg	C	50	100	48.333720	48.238890	12.176080	0.013230	0.056710
2000	Catering Truck, Commuter/Reg	D	50	100	0.915000	0.326400	4.638370	0.812060	0.119950
2000	Catering Truck, Commuter/Reg	G	100	175	10.039740	3.200030	4.073600	0.292720	0.060570
2000	Catering Truck, Commuter/Reg	L	100	175	48.333720	3.289020	12.176080	0.013230	0.056710
2000	Catering Truck, Narrow Body	C	300	600	48.333720	48.238890	12.176080	0.013230	0.056710
2000	Catering Truck, Narrow Body	D	175	300	0.915000	0.326400	4.638370	0.812060	0.119950
2000	Catering Truck, Narrow Body	G	175	300	10.039740	3.200030	4.073600	0.292720	0.060570
2000	Catering Truck, Narrow Body	L	175	300	48.333720	3.289020	12.176080	0.013230	0.056710
2000	Catering Truck, Wide Body	C	300	600	48.333720	48.238890	12.176080	0.013230	0.056710
2000	Catering Truck, Wide Body	D	175	300	0.915000	0.326400	4.638370	0.812060	0.119950
2000	Catering Truck, Wide Body	G	175	300	10.039740	3.200030	4.073600	0.292720	0.060570
2000	Catering Truck, Wide Body	L	175	300	48.333720	3.289020	12.176080	0.013230	0.056710
2000	Deicer, Dual Engine	C	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
2000	Deicer, Dual Engine	D	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
2000	Deicer, Dual Engine	G	175	300	239.813740	10.782650	7.239520	0.175700	0.067980
2000	Deicer, Dual Engine	L	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
2000	Deicer, Single Engine	C	50	100	0.000000	0.000000	0.000000	0.000000	0.000000
2000	Deicer, Single Engine	D	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2000	Deicer, Single Engine	G	100	175	239.813740	10.782650	7.239520	0.175700	0.067980
2000	Deicer, Single Engine	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2000	Fork Lift	C	50	100	48.448760	48.413330	12.178970	0.013230	0.056820
2000	Fork Lift	D	50	100	6.421950	1.606680	9.707570	0.952110	1.206600
2000	Fork Lift	G	50	100	347.999800	13.403710	7.240080	0.174260	0.068020
2000	Fork Lift	L	50	100	48.448760	3.295070	12.178970	0.013230	0.056820
2000	Fuel Truck, Ground Equipment	C	300	600	48.294970	48.208970	12.175110	0.013230	0.056680
2000	Fuel Truck, Ground Equipment	D	175	300	1.206770	0.394060	4.845670	0.811730	0.265570

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Year	Type	Fuel	Min. Power	Max. Power	CO G/HPHR	HC G/HPHR	NOX G/HPHR	SOX G/HPHR	PM G/HPHR
2000	Fuel Truck, Ground Equipment	G	175	300	15.189790	3.492850	4.202610	0.284940	0.061590
2000	Fuel Truck, Ground Equipment	L	175	300	48.294970	3.286980	12.175110	0.013230	0.056680
2000	Fuel Truck, Large, 8,000+ gal	D	300	600	1.206770	0.394060	4.845670	0.811730	0.265570
2000	Fuel Truck, MidSize, 3-6,000 g	C	300	600	48.294970	48.208970	12.175110	0.013230	0.056680
2000	Fuel Truck, MidSize, 3-6,000 g	D	175	300	1.206770	0.394060	4.845670	0.811730	0.265570
2000	Fuel Truck, MidSize, 3-6,000 g	G	300	600	15.189790	3.492850	4.202610	0.284940	0.061590
2000	Fuel Truck, MidSize, 3-6,000 g	L	300	600	48.294970	3.286980	12.175110	0.013230	0.056680
2000	Fuel Truck, Small, < 3,000 gal	C	300	600	48.294970	48.208970	12.175110	0.013230	0.056680
2000	Fuel Truck, Small, < 3,000 gal	D	175	300	1.206770	0.394060	4.845670	0.811730	0.265570
2000	Fuel Truck, Small, < 3,000 gal	G	300	600	15.189790	3.492850	4.202610	0.284940	0.061590
2000	Fuel Truck, Small, < 3,000 gal	L	300	600	48.294970	3.286980	12.175110	0.013230	0.056680
2000	Generator	C	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2000	Generator	D	100	175	2.499010	0.700290	8.794270	0.810230	0.603650
2000	Generator	G	100	175	239.999910	9.899160	7.240080	0.175700	0.068020
2000	Generator	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2000	Ground Power Unit, 28VDC	C	50	100	0.000000	0.000000	0.000000	0.000000	0.000000
2000	Ground Power Unit, 28VDC	D	50	100	1.923540	0.526210	7.065790	0.811080	0.413920
2000	Ground Power Unit, 28VDC	G	100	175	239.851470	9.811900	7.239630	0.175700	0.067980
2000	Ground Power Unit, 28VDC	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2000	Ground Power Unit, 400 Hz	D	175	300	1.923540	0.526210	7.065790	0.811080	0.413920
2000	Hydrant Truck, Narrow Body	C	300	600	0.000000	0.000000	0.000000	0.000000	0.000000
2000	Hydrant Truck, Narrow Body	D	175	300	1.991340	0.570130	5.574120	0.810870	0.732650
2000	Hydrant Truck, Narrow Body	G	175	300	10.893350	3.102770	4.091720	0.291630	0.060720
2000	Hydrant Truck, Narrow Body	L	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
2000	Hydrant Truck, Wide Body	C	300	600	0.000000	0.000000	0.000000	0.000000	0.000000
2000	Hydrant Truck, Wide Body	D	175	300	1.991340	0.570130	5.574120	0.810870	0.732650
2000	Hydrant Truck, Wide Body	G	175	300	10.893350	3.102770	4.091720	0.291630	0.060720
2000	Hydrant Truck, Wide Body	L	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
2000	Lavatory Truck, Narrow Body	C	50	100	48.294960	48.208970	12.175110	0.013230	0.056680
2000	Lavatory Truck, Narrow Body	D	50	100	1.687110	0.508620	5.339850	0.811170	0.545800
2000	Lavatory Truck, Narrow Body	G	50	100	7.624590	3.202680	4.010630	0.296520	0.060080
2000	Lavatory Truck, Narrow Body	L	50	100	48.294960	3.286980	12.175110	0.013230	0.056680
2000	Lavatory Truck, Wide Body	C	300	600	48.294960	48.208970	12.175110	0.013230	0.056680
2000	Lavatory Truck, Wide Body	D	175	300	1.687110	0.508620	5.339850	0.811170	0.545800
2000	Lavatory Truck, Wide Body	G	175	300	7.624590	3.202680	4.010630	0.296520	0.060080
2000	Lavatory Truck, Wide Body	L	175	300	48.294960	3.286980	12.175110	0.013230	0.056680
2000	Lift	C	100	175	48.294960	48.294410	12.175110	0.013230	0.056680
2000	Lift	D	100	175	6.421240	1.606370	9.705900	0.952110	1.206160
2000	Lift	G	100	175	348.460920	12.914500	7.241030	0.174250	0.068090
2000	Lift	L	100	175	48.294960	3.286980	12.175110	0.013230	0.056680
2000	Other	C	0	9999	48.312050	48.307630	12.175540	0.013230	0.056690
2000	Other	D	0	9999	3.321750	0.603700	7.144900	0.819570	0.557390
2000	Other	G	0	9999	348.162770	12.856490	7.240410	0.174260	0.068040
2000	Other	L	0	9999	48.312050	3.287880	12.175540	0.013230	0.056690
2000	Passenger Stand	C	50	100	48.245930	48.171130	12.173880	0.013230	0.056630
2000	Passenger Stand	D	50	100	1.969150	0.565850	5.558090	0.810890	0.718730
2000	Passenger Stand	G	100	175	20.874640	4.774770	4.370880	0.274700	0.062790
2000	Passenger Stand	L	100	175	48.245930	3.284400	12.173880	0.013230	0.056630
2000	Service Truck	C	300	600	48.295790	48.209610	12.175130	0.013230	0.056680
2000	Service Truck	D	175	300	1.350130	0.433500	5.030110	0.811540	0.343840
2000	Service Truck	G	175	300	20.860140	4.299220	4.370440	0.274730	0.062790
2000	Service Truck	L	175	300	48.295790	3.287020	12.175130	0.013230	0.056680
2000	Sweeper	C	40	50	48.387020	48.365590	12.177420	0.013230	0.056760
2000	Sweeper	D	50	100	5.313310	0.997560	7.649510	0.908540	1.106020
2000	Sweeper	G	50	100	348.012310	13.289690	7.240100	0.174260	0.068020
2000	Sweeper	L	40	50	48.387020	3.291820	12.177420	0.013230	0.056760
2000	Water Service	C	300	600	0.000000	0.000000	0.000000	0.000000	0.000000
2000	Water Service	D	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
2000	Water Service	G	175	300	20.875040	4.223980	4.370880	0.274700	0.062790
2000	Water Service	L	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
2001	Air Conditioner, Narrow Body	D	175	300	1.564700	0.461320	6.548160	0.811400	0.379660
2001	Air Conditioner, Wide Body	D	175	300	1.564700	0.461320	6.548160	0.811400	0.379660
2001	Air Start	G	175	300	239.999890	11.790200	7.240080	0.175700	0.068020
2001	Air Start, 180 PPM	D	300	600	2.380940	0.571090	8.220170	0.810860	0.506970
2001	Air Start, 300 PPM	D	750	1000	2.380940	0.571090	8.220170	0.810860	0.506970
2001	Aircraft Tractor, Commuter/Reg	C	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2001	Aircraft Tractor, Commuter/Reg	D	50	100	2.862890	0.547410	6.843380	0.819850	0.526850
2001	Aircraft Tractor, Commuter/Reg	G	100	175	348.012560	12.770590	7.240100	0.174260	0.068020

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Table F1

Ground Support Equipment Emission Indices

Year	Type	Fuel	Min. Power	Max. Power	CO G/HPHR	HC G/HPHR	NOX G/HPHR	SOX G/HPHR	PM G/HPHR
2001	Aircraft Tractor, Commuter/Reg	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2001	Aircraft Tractor, Mid-Range	D	175	300	2.862890	0.547410	6.843380	0.819850	0.526850
2001	Aircraft Tractor, Narrow Body	C	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2001	Aircraft Tractor, Narrow Body	D	50	100	2.862890	0.547410	6.843380	0.819850	0.526850
2001	Aircraft Tractor, Narrow Body	G	100	175	348.012560	12.770590	7.240100	0.174260	0.068020
2001	Aircraft Tractor, Narrow Body	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2001	Aircraft Tractor, Wide Body	D	300	600	2.862890	0.547410	6.843380	0.819850	0.526850
2001	Aircraft Tug Towbarless Narrow	D	50	100	2.862890	0.547410	6.843380	0.819850	0.526850
2001	Aircraft Tug Towbarless Wide	D	600	750	2.862890	0.547410	6.843380	0.819850	0.526850
2001	Baggage Tractor, Commuter	C	50	100	48.376810	48.357690	12.177160	0.013230	0.056750
2001	Baggage Tractor, Commuter	D	50	100	4.765220	0.785950	5.921360	0.909580	0.886040
2001	Baggage Tractor, Commuter	G	100	175	347.957700	12.706720	7.239990	0.174260	0.068010
2001	Baggage Tractor, Commuter	L	100	175	48.376810	3.291280	12.177160	0.013230	0.056750
2001	Baggage Tractor, Narrow Body	C	50	100	48.376810	48.357690	12.177160	0.013230	0.056750
2001	Baggage Tractor, Narrow Body	D	50	100	4.765220	0.785950	5.921360	0.909580	0.886040
2001	Baggage Tractor, Narrow Body	G	100	175	347.957700	12.706720	7.239990	0.174260	0.068010
2001	Baggage Tractor, Narrow Body	L	100	175	48.376810	3.291280	12.177160	0.013230	0.056750
2001	Baggage Tractor, Wide Body	C	50	100	48.376810	48.357690	12.177160	0.013230	0.056750
2001	Baggage Tractor, Wide Body	D	50	100	4.765220	0.785950	5.921360	0.909580	0.886040
2001	Baggage Tractor, Wide Body	G	100	175	347.957700	12.706720	7.239990	0.174260	0.068010
2001	Baggage Tractor, Wide Body	L	100	175	48.376810	3.291280	12.177160	0.013230	0.056750
2001	Belt Loader, Commuter	C	50	100	33.361250	37.196310	12.176980	0.013270	0.056750
2001	Belt Loader, Commuter	D	50	100	3.211070	0.793080	6.394340	0.900670	0.738190
2001	Belt Loader, Commuter	G	100	175	241.064060	10.025060	7.243270	0.175680	0.068250
2001	Belt Loader, Commuter	L	100	175	33.361250	2.536110	12.176980	0.013270	0.056750
2001	Belt Loader, Narrow Body	C	50	100	33.361250	37.196310	12.176980	0.013270	0.056750
2001	Belt Loader, Narrow Body	D	50	100	3.211070	0.793080	6.394340	0.900670	0.738190
2001	Belt Loader, Narrow Body	G	100	175	241.064060	10.025060	7.243270	0.175680	0.068250
2001	Belt Loader, Narrow Body	L	100	175	33.361250	2.536110	12.176980	0.013270	0.056750
2001	Belt Loader, Wide Body	C	50	100	33.361250	37.196310	12.176980	0.013270	0.056750
2001	Belt Loader, Wide Body	D	50	100	3.211070	0.793080	6.394340	0.900670	0.738190
2001	Belt Loader, Wide Body	G	100	175	241.064060	10.025060	7.243270	0.175680	0.068250
2001	Belt Loader, Wide Body	L	100	175	33.361250	2.536110	12.176980	0.013270	0.056750
2001	Bobtail	C	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2001	Bobtail	D	175	300	3.082580	0.572630	6.921380	0.819720	0.539460
2001	Bobtail	G	100	175	349.206720	12.711580	7.242580	0.174240	0.068200
2001	Bobtail	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2001	Cabin Service Truck, Comm/Reg	C	50	100	48.333730	48.238890	12.176080	0.013230	0.056710
2001	Cabin Service Truck, Comm/Reg	D	50	100	0.905860	0.324110	4.633900	0.812070	0.116680
2001	Cabin Service Truck, Comm/Reg	G	100	175	9.198860	3.162990	4.052930	0.293970	0.060410
2001	Cabin Service Truck, Comm/Reg	L	100	175	48.333730	3.289020	12.176080	0.013230	0.056710
2001	Cabin Service Truck, Narrow	C	300	600	48.333730	48.238890	12.176080	0.013230	0.056710
2001	Cabin Service Truck, Narrow	D	175	300	0.905860	0.324110	4.633900	0.812070	0.116680
2001	Cabin Service Truck, Narrow	G	175	300	9.198860	3.162990	4.052930	0.293970	0.060410
2001	Cabin Service Truck, Narrow	L	175	300	48.333730	3.289020	12.176080	0.013230	0.056710
2001	Cabin Service Truck, Wide Body	C	300	600	48.333730	48.238890	12.176080	0.013230	0.056710
2001	Cabin Service Truck, Wide Body	D	175	300	0.905860	0.324110	4.633900	0.812070	0.116680
2001	Cabin Service Truck, Wide Body	G	175	300	9.198860	3.162990	4.052930	0.293970	0.060410
2001	Cabin Service Truck, Wide Body	L	175	300	48.333730	3.289020	12.176080	0.013230	0.056710
2001	Cargo Loader, Narrow Body	C	50	100	48.294960	48.294410	12.175110	0.013230	0.056680
2001	Cargo Loader, Narrow Body	D	50	100	4.991660	1.226450	7.900770	0.953980	0.853710
2001	Cargo Loader, Narrow Body	G	100	175	349.347940	12.941040	7.242870	0.174240	0.068220
2001	Cargo Loader, Narrow Body	L	100	175	48.294960	3.286980	12.175110	0.013230	0.056680
2001	Cargo Loader, Wide, Lower Lobe	C	50	100	48.294960	48.294410	12.175110	0.013230	0.056680
2001	Cargo Loader, Wide, Lower Lobe	D	50	100	4.991660	1.226450	7.900770	0.953980	0.853710
2001	Cargo Loader, Wide, Lower Lobe	G	100	175	349.347940	12.941040	7.242870	0.174240	0.068220
2001	Cargo Loader, Wide, Lower Lobe	L	100	175	48.294960	3.286980	12.175110	0.013230	0.056680
2001	Cargo Loader, Wide, Main Deck	D	100	175	4.991660	1.226450	7.900770	0.953980	0.853710
2001	Cargo Tractor	C	50	100	48.370980	48.353190	12.177020	0.013230	0.056750
2001	Cargo Tractor	D	50	100	5.222710	0.955630	7.239230	0.908750	1.059540
2001	Cargo Tractor	G	100	175	351.244600	12.809150	7.246800	0.174220	0.068510
2001	Cargo Tractor	L	100	175	48.370980	3.290980	12.177020	0.013230	0.056750
2001	Cart	C	25	40	0.000000	0.000000	0.000000	0.000000	0.000000
2001	Cart	D	25	40	0.000000	0.000000	0.000000	0.000000	0.000000
2001	Cart	G	25	40	347.999860	18.636850	7.240080	0.174260	0.068020
2001	Cart	L	25	40	0.000000	0.000000	0.000000	0.000000	0.000000
2001	Catering Truck, Commuter/Reg	C	50	100	48.333730	48.238890	12.176080	0.013230	0.056710
2001	Catering Truck, Commuter/Reg	D	50	100	0.905860	0.324110	4.633900	0.812070	0.116680

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Year	Type	Fuel	Min. Power	Max. Power	CO G/HPHR	HC G/HPHR	NOX G/HPHR	SOX G/HPHR	PM G/HPHR
2001	Catering Truck, Commuter/Reg	G	100	175	9.198860	3.162990	4.052930	0.293970	0.060410
2001	Catering Truck, Commuter/Reg	L	100	175	48.333730	3.289020	12.176080	0.013230	0.056710
2001	Catering Truck, Narrow Body	C	300	600	48.333730	48.238890	12.176080	0.013230	0.056710
2001	Catering Truck, Narrow Body	D	175	300	0.905860	0.324110	4.633900	0.812070	0.116680
2001	Catering Truck, Narrow Body	G	175	300	9.198860	3.162990	4.052930	0.293970	0.060410
2001	Catering Truck, Narrow Body	L	175	300	48.333730	3.289020	12.176080	0.013230	0.056710
2001	Catering Truck, Wide Body	C	300	600	48.333730	48.238890	12.176080	0.013230	0.056710
2001	Catering Truck, Wide Body	D	175	300	0.905860	0.324110	4.633900	0.812070	0.116680
2001	Catering Truck, Wide Body	G	175	300	9.198860	3.162990	4.052930	0.293970	0.060410
2001	Catering Truck, Wide Body	L	175	300	48.333730	3.289020	12.176080	0.013230	0.056710
2001	Deicer, Dual Engine	C	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
2001	Deicer, Dual Engine	D	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
2001	Deicer, Dual Engine	G	175	300	239.813730	10.782650	7.239510	0.175700	0.067980
2001	Deicer, Dual Engine	L	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
2001	Deicer, Single Engine	C	50	100	0.000000	0.000000	0.000000	0.000000	0.000000
2001	Deicer, Single Engine	D	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2001	Deicer, Single Engine	G	100	175	239.813730	10.782650	7.239510	0.175700	0.067980
2001	Deicer, Single Engine	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2001	Fork Lift	C	50	100	48.448760	48.413320	12.178970	0.013230	0.056820
2001	Fork Lift	D	50	100	6.039970	1.502150	9.206950	0.952630	1.109500
2001	Fork Lift	G	50	100	347.999850	13.403710	7.240080	0.174260	0.068020
2001	Fork Lift	L	50	100	48.448760	3.295070	12.178970	0.013230	0.056820
2001	Fuel Truck, Ground Equipment	C	300	600	48.294970	48.208970	12.175110	0.013230	0.056680
2001	Fuel Truck, Ground Equipment	D	175	300	1.123340	0.374630	4.788030	0.811830	0.225020
2001	Fuel Truck, Ground Equipment	G	175	300	12.810310	3.378950	4.139050	0.288770	0.061090
2001	Fuel Truck, Ground Equipment	L	175	300	48.294970	3.286980	12.175110	0.013230	0.056680
2001	Fuel Truck, Large, 8,000+ gal	D	300	600	1.123340	0.374630	4.788030	0.811830	0.225020
2001	Fuel Truck, MidSize, 3-6,000 g	C	300	600	48.294970	48.208970	12.175110	0.013230	0.056680
2001	Fuel Truck, MidSize, 3-6,000 g	D	175	300	1.123340	0.374630	4.788030	0.811830	0.225020
2001	Fuel Truck, MidSize, 3-6,000 g	G	300	600	12.810310	3.378950	4.139050	0.288770	0.061090
2001	Fuel Truck, MidSize, 3-6,000 g	L	300	600	48.294970	3.286980	12.175110	0.013230	0.056680
2001	Fuel Truck, Small, < 3,000 gal	C	300	600	48.294970	48.208970	12.175110	0.013230	0.056680
2001	Fuel Truck, Small, < 3,000 gal	D	175	300	1.123340	0.374630	4.788030	0.811830	0.225020
2001	Fuel Truck, Small, < 3,000 gal	G	300	600	12.810310	3.378950	4.139050	0.288770	0.061090
2001	Fuel Truck, Small, < 3,000 gal	L	300	600	48.294970	3.286980	12.175110	0.013230	0.056680
2001	Generator	C	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2001	Generator	D	100	175	2.350600	0.654740	8.340380	0.810450	0.554440
2001	Generator	G	100	175	239.999860	9.899160	7.240080	0.175700	0.068020
2001	Generator	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2001	Ground Power Unit, 28VDC	C	50	100	0.000000	0.000000	0.000000	0.000000	0.000000
2001	Ground Power Unit, 28VDC	D	50	100	1.683520	0.483050	6.723750	0.811290	0.392490
2001	Ground Power Unit, 28VDC	G	100	175	239.851510	9.811900	7.239630	0.175700	0.067980
2001	Ground Power Unit, 28VDC	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2001	Ground Power Unit, 400 Hz	D	175	300	1.683520	0.483050	6.723750	0.811290	0.392490
2001	Hydrant Truck, Narrow Body	C	300	600	0.000000	0.000000	0.000000	0.000000	0.000000
2001	Hydrant Truck, Narrow Body	D	175	300	1.769670	0.523410	5.397670	0.811100	0.601140
2001	Hydrant Truck, Narrow Body	G	175	300	9.840470	3.063840	4.070000	0.292940	0.060550
2001	Hydrant Truck, Narrow Body	L	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
2001	Hydrant Truck, Wide Body	C	300	600	0.000000	0.000000	0.000000	0.000000	0.000000
2001	Hydrant Truck, Wide Body	D	175	300	1.769670	0.523410	5.397670	0.811100	0.601140
2001	Hydrant Truck, Wide Body	G	175	300	9.840470	3.063840	4.070000	0.292940	0.060550
2001	Hydrant Truck, Wide Body	L	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
2001	Lavatory Truck, Narrow Body	C	50	100	48.294960	48.208970	12.175110	0.013230	0.056680
2001	Lavatory Truck, Narrow Body	D	50	100	1.482100	0.464320	5.169390	0.811390	0.424360
2001	Lavatory Truck, Narrow Body	G	50	100	7.367120	3.191960	4.004650	0.296890	0.060030
2001	Lavatory Truck, Narrow Body	L	50	100	48.294960	3.286980	12.175110	0.013230	0.056680
2001	Lavatory Truck, Wide Body	C	300	600	48.294960	48.208970	12.175110	0.013230	0.056680
2001	Lavatory Truck, Wide Body	D	175	300	1.482100	0.464320	5.169390	0.811390	0.424360
2001	Lavatory Truck, Wide Body	G	175	300	7.367120	3.191960	4.004650	0.296890	0.060030
2001	Lavatory Truck, Wide Body	L	175	300	48.294960	3.286980	12.175110	0.013230	0.056680
2001	Lift	C	100	175	48.294960	48.294410	12.175110	0.013230	0.056680
2001	Lift	D	100	175	6.039150	1.501820	9.205150	0.952630	1.109040
2001	Lift	G	100	175	348.460940	12.914500	7.241030	0.174250	0.068090
2001	Lift	L	100	175	48.294960	3.286980	12.175110	0.013230	0.056680
2001	Other	C	0	9999	48.312050	48.307620	12.175540	0.013230	0.056690
2001	Other	D	0	9999	3.021320	0.563250	6.846100	0.819770	0.529910
2001	Other	G	0	9999	348.162740	12.856490	7.240410	0.174260	0.068040
2001	Other	L	0	9999	48.312050	3.287870	12.175540	0.013230	0.056690

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Year	Type	Fuel	Min. Power	Max. Power	CO G/HPHR	HC G/HPHR	NOX G/HPHR	SOX G/HPHR	PM G/HPHR
2001	Passenger Stand	C	50	100	48.245940	48.171140	12.173880	0.013230	0.056630
2001	Passenger Stand	D	50	100	1.752870	0.519900	5.383540	0.811110	0.590810
2001	Passenger Stand	G	100	175	17.695060	4.614240	4.278230	0.280350	0.062150
2001	Passenger Stand	L	100	175	48.245940	3.284400	12.173880	0.013230	0.056630
2001	Service Truck	C	300	600	48.295780	48.209610	12.175130	0.013230	0.056680
2001	Service Truck	D	175	300	1.241030	0.403870	4.902270	0.811680	0.287210
2001	Service Truck	G	175	300	17.679480	4.138620	4.277760	0.280380	0.062140
2001	Service Truck	L	175	300	48.295780	3.287020	12.175130	0.013230	0.056680
2001	Sweeper	C	40	50	48.387020	48.365580	12.177420	0.013230	0.056760
2001	Sweeper	D	50	100	5.222540	0.955620	7.239190	0.908750	1.059460
2001	Sweeper	G	50	100	348.012270	13.289680	7.240100	0.174260	0.068020
2001	Sweeper	L	40	50	48.387020	3.291820	12.177420	0.013230	0.056760
2001	Water Service	C	300	600	0.000000	0.000000	0.000000	0.000000	0.000000
2001	Water Service	D	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
2001	Water Service	G	175	300	17.695310	4.063430	4.278230	0.280350	0.062150
2001	Water Service	L	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
2002	Air Conditioner, Narrow Body	D	175	300	1.324690	0.420630	6.234670	0.811600	0.360830
2002	Air Conditioner, Wide Body	D	175	300	1.324690	0.420630	6.234670	0.811600	0.360830
2002	Air Start	G	175	300	239.999840	11.790200	7.240080	0.175700	0.068020
2002	Air Start, 180 PPM	D	300	600	2.238160	0.517750	7.732190	0.811120	0.453260
2002	Air Start, 300 PPM	D	750	1000	2.238160	0.517750	7.732190	0.811120	0.453260
2002	Aircraft Tractor, Commuter/Reg	C	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2002	Aircraft Tractor, Commuter/Reg	D	50	100	2.591810	0.510020	6.574870	0.820030	0.497620
2002	Aircraft Tractor, Commuter/Reg	G	100	175	348.012560	12.770590	7.240100	0.174260	0.068020
2002	Aircraft Tractor, Commuter/Reg	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2002	Aircraft Tractor, Mid-Range	D	175	300	2.591810	0.510020	6.574870	0.820030	0.497620
2002	Aircraft Tractor, Narrow Body	C	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2002	Aircraft Tractor, Narrow Body	D	50	100	2.591810	0.510020	6.574870	0.820030	0.497620
2002	Aircraft Tractor, Narrow Body	G	100	175	348.012560	12.770590	7.240100	0.174260	0.068020
2002	Aircraft Tractor, Narrow Body	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2002	Aircraft Tractor, Wide Body	D	300	600	2.591810	0.510020	6.574870	0.820030	0.497620
2002	Aircraft Tug Towbarless Narrow	D	50	100	2.591810	0.510020	6.574870	0.820030	0.497620
2002	Aircraft Tug Towbarless Wide	D	600	750	2.591810	0.510020	6.574870	0.820030	0.497620
2002	Baggage Tractor, Commuter	C	50	100	48.376810	48.357700	12.177160	0.013230	0.056750
2002	Baggage Tractor, Commuter	D	50	100	4.504960	0.721590	5.753220	0.909890	0.835210
2002	Baggage Tractor, Commuter	G	100	175	347.957680	12.706720	7.239990	0.174260	0.068010
2002	Baggage Tractor, Commuter	L	100	175	48.376810	3.291280	12.177160	0.013230	0.056750
2002	Baggage Tractor, Narrow Body	C	50	100	48.376810	48.357700	12.177160	0.013230	0.056750
2002	Baggage Tractor, Narrow Body	D	50	100	4.504960	0.721590	5.753220	0.909890	0.835210
2002	Baggage Tractor, Narrow Body	G	100	175	347.957680	12.706720	7.239990	0.174260	0.068010
2002	Baggage Tractor, Narrow Body	L	100	175	48.376810	3.291280	12.177160	0.013230	0.056750
2002	Baggage Tractor, Wide Body	C	50	100	48.376810	48.357700	12.177160	0.013230	0.056750
2002	Baggage Tractor, Wide Body	D	50	100	4.504960	0.721590	5.753220	0.909890	0.835210
2002	Baggage Tractor, Wide Body	G	100	175	347.957680	12.706720	7.239990	0.174260	0.068010
2002	Baggage Tractor, Wide Body	L	100	175	48.376810	3.291280	12.177160	0.013230	0.056750
2002	Belt Loader, Commuter	C	50	100	33.361250	37.196290	12.176980	0.013270	0.056750
2002	Belt Loader, Commuter	D	50	100	3.065260	0.738110	6.221140	0.900940	0.701870
2002	Belt Loader, Commuter	G	100	175	241.064050	10.025060	7.243270	0.175680	0.068250
2002	Belt Loader, Commuter	L	100	175	33.361250	2.536110	12.176980	0.013270	0.056750
2002	Belt Loader, Narrow Body	C	50	100	33.361250	37.196290	12.176980	0.013270	0.056750
2002	Belt Loader, Narrow Body	D	50	100	3.065260	0.738110	6.221140	0.900940	0.701870
2002	Belt Loader, Narrow Body	G	100	175	241.064050	10.025060	7.243270	0.175680	0.068250
2002	Belt Loader, Narrow Body	L	100	175	33.361250	2.536110	12.176980	0.013270	0.056750
2002	Belt Loader, Wide Body	C	50	100	33.361250	37.196290	12.176980	0.013270	0.056750
2002	Belt Loader, Wide Body	D	50	100	3.065260	0.738110	6.221140	0.900940	0.701870
2002	Belt Loader, Wide Body	G	100	175	241.064050	10.025060	7.243270	0.175680	0.068250
2002	Belt Loader, Wide Body	L	100	175	33.361250	2.536110	12.176980	0.013270	0.056750
2002	Bobtail	C	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2002	Bobtail	D	175	300	2.803450	0.535840	6.651890	0.819900	0.514810
2002	Bobtail	G	100	175	349.206760	12.711590	7.242580	0.174240	0.068200
2002	Bobtail	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2002	Cabin Service Truck, Comm/Reg	C	50	100	48.333730	48.238890	12.176080	0.013230	0.056710
2002	Cabin Service Truck, Comm/Reg	D	50	100	0.900840	0.322930	4.632520	0.812080	0.114980
2002	Cabin Service Truck, Comm/Reg	G	100	175	8.606690	3.135310	4.037490	0.294900	0.060290
2002	Cabin Service Truck, Comm/Reg	L	100	175	48.333730	3.289020	12.176080	0.013230	0.056710
2002	Cabin Service Truck, Narrow	C	300	600	48.333730	48.238890	12.176080	0.013230	0.056710
2002	Cabin Service Truck, Narrow	D	175	300	0.900840	0.322930	4.632520	0.812080	0.114980
2002	Cabin Service Truck, Narrow	G	175	300	8.606690	3.135310	4.037490	0.294900	0.060290

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Table F1

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Year	Type	Fuel	Min. Power	Max. Power	CO G/HPHR	HC G/HPHR	NOX G/HPHR	SOX G/HPHR	PM G/HPHR
2002	Cabin Service Truck, Narrow	L	175	300	48.333730	3.289020	12.176080	0.013230	0.056710
2002	Cabin Service Truck, Wide Body	C	300	600	48.333730	48.238890	12.176080	0.013230	0.056710
2002	Cabin Service Truck, Wide Body	D	175	300	0.900840	0.322930	4.632520	0.812080	0.114980
2002	Cabin Service Truck, Wide Body	G	175	300	8.606690	3.135310	4.037490	0.294900	0.060290
2002	Cabin Service Truck, Wide Body	L	175	300	48.333730	3.289020	12.176080	0.013230	0.056710
2002	Cargo Loader, Narrow Body	C	50	100	48.294970	48.294410	12.175110	0.013230	0.056680
2002	Cargo Loader, Narrow Body	D	50	100	4.480860	1.141230	7.568460	0.954390	0.812870
2002	Cargo Loader, Narrow Body	G	100	175	349.347920	12.941040	7.242870	0.174240	0.068220
2002	Cargo Loader, Narrow Body	L	100	175	48.294970	3.286980	12.175110	0.013230	0.056680
2002	Cargo Loader, Wide, Lower Lobe	C	50	100	48.294970	48.294410	12.175110	0.013230	0.056680
2002	Cargo Loader, Wide, Lower Lobe	D	50	100	4.480860	1.141230	7.568460	0.954390	0.812870
2002	Cargo Loader, Wide, Lower Lobe	G	100	175	349.347920	12.941040	7.242870	0.174240	0.068220
2002	Cargo Loader, Wide, Lower Lobe	L	100	175	48.294970	3.286980	12.175110	0.013230	0.056680
2002	Cargo Loader, Wide, Main Deck	D	100	175	4.480860	1.141230	7.568460	0.954390	0.812870
2002	Cargo Tractor	C	50	100	48.370990	48.353190	12.177020	0.013230	0.056750
2002	Cargo Tractor	D	50	100	5.129410	0.915580	6.870740	0.908940	1.015520
2002	Cargo Tractor	G	100	175	351.244610	12.809150	7.246800	0.174220	0.068510
2002	Cargo Tractor	L	100	175	48.370990	3.290980	12.177020	0.013230	0.056750
2002	Cart	C	25	40	0.000000	0.000000	0.000000	0.000000	0.000000
2002	Cart	D	25	40	0.000000	0.000000	0.000000	0.000000	0.000000
2002	Cart	G	25	40	347.999820	18.636850	7.240080	0.174260	0.068020
2002	Cart	L	25	40	0.000000	0.000000	0.000000	0.000000	0.000000
2002	Catering Truck, Commuter/Reg	C	50	100	48.333730	48.238890	12.176080	0.013230	0.056710
2002	Catering Truck, Commuter/Reg	D	50	100	0.900840	0.322930	4.632520	0.812080	0.114980
2002	Catering Truck, Commuter/Reg	G	100	175	8.606690	3.135310	4.037490	0.294900	0.060290
2002	Catering Truck, Commuter/Reg	L	100	175	48.333730	3.289020	12.176080	0.013230	0.056710
2002	Catering Truck, Narrow Body	C	300	600	48.333730	48.238890	12.176080	0.013230	0.056710
2002	Catering Truck, Narrow Body	D	175	300	0.900840	0.322930	4.632520	0.812080	0.114980
2002	Catering Truck, Narrow Body	G	175	300	8.606690	3.135310	4.037490	0.294900	0.060290
2002	Catering Truck, Narrow Body	L	175	300	48.333730	3.289020	12.176080	0.013230	0.056710
2002	Catering Truck, Wide Body	C	300	600	48.333730	48.238890	12.176080	0.013230	0.056710
2002	Catering Truck, Wide Body	D	175	300	0.900840	0.322930	4.632520	0.812080	0.114980
2002	Catering Truck, Wide Body	G	175	300	8.606690	3.135310	4.037490	0.294900	0.060290
2002	Catering Truck, Wide Body	L	175	300	48.333730	3.289020	12.176080	0.013230	0.056710
2002	Deicer, Dual Engine	C	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
2002	Deicer, Dual Engine	D	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
2002	Deicer, Dual Engine	G	175	300	239.813710	10.782650	7.239520	0.175700	0.067980
2002	Deicer, Dual Engine	L	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
2002	Deicer, Single Engine	C	50	100	0.000000	0.000000	0.000000	0.000000	0.000000
2002	Deicer, Single Engine	D	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2002	Deicer, Single Engine	G	100	175	239.813710	10.782650	7.239520	0.175700	0.067980
2002	Deicer, Single Engine	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2002	Fork Lift	C	50	100	48.448760	48.413330	12.178970	0.013230	0.056820
2002	Fork Lift	D	50	100	5.670600	1.405340	8.748990	0.953100	1.020720
2002	Fork Lift	G	50	100	347.999800	13.403710	7.240080	0.174260	0.068020
2002	Fork Lift	L	50	100	48.448760	3.295070	12.178970	0.013230	0.056820
2002	Fuel Truck, Ground Equipment	C	300	600	48.294960	48.208970	12.175110	0.013230	0.056680
2002	Fuel Truck, Ground Equipment	D	175	300	1.051400	0.358440	4.745360	0.811900	0.190440
2002	Fuel Truck, Ground Equipment	G	175	300	11.519300	3.325790	4.109380	0.290560	0.060860
2002	Fuel Truck, Ground Equipment	L	175	300	48.294960	3.286980	12.175110	0.013230	0.056680
2002	Fuel Truck, Large, 8,000+ gal	D	300	600	1.051400	0.358440	4.745360	0.811900	0.190440
2002	Fuel Truck, MidSize, 3-6,000 g	C	300	600	48.294960	48.208970	12.175110	0.013230	0.056680
2002	Fuel Truck, MidSize, 3-6,000 g	D	175	300	1.051400	0.358440	4.745360	0.811900	0.190440
2002	Fuel Truck, MidSize, 3-6,000 g	G	300	600	11.519300	3.325790	4.109380	0.290560	0.060860
2002	Fuel Truck, MidSize, 3-6,000 g	L	300	600	48.294960	3.286980	12.175110	0.013230	0.056680
2002	Fuel Truck, Small, < 3,000 gal	C	300	600	48.294960	48.208970	12.175110	0.013230	0.056680
2002	Fuel Truck, Small, < 3,000 gal	D	175	300	1.051400	0.358440	4.745360	0.811900	0.190440
2002	Fuel Truck, Small, < 3,000 gal	G	300	600	11.519300	3.325790	4.109380	0.290560	0.060860
2002	Fuel Truck, Small, < 3,000 gal	L	300	600	48.294960	3.286980	12.175110	0.013230	0.056680
2002	Generator	C	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2002	Generator	D	100	175	2.207090	0.612550	7.925150	0.810660	0.509450
2002	Generator	G	100	175	239.999850	9.899160	7.240080	0.175700	0.068020
2002	Generator	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2002	Ground Power Unit, 28VDC	C	50	100	0.000000	0.000000	0.000000	0.000000	0.000000
2002	Ground Power Unit, 28VDC	D	50	100	1.456360	0.443280	6.411860	0.811490	0.372800
2002	Ground Power Unit, 28VDC	G	100	175	239.851500	9.811900	7.239630	0.175700	0.067980
2002	Ground Power Unit, 28VDC	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2002	Ground Power Unit, 400 Hz	D	175	300	1.456360	0.443280	6.411860	0.811490	0.372800

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Year	Type	Fuel	Min. Power	Max. Power	CO G/HPHR	HC G/HPHR	NOX G/HPHR	SOX G/HPHR	PM G/HPHR
2002	Hydrant Truck, Narrow Body	C	300	600	0.000000	0.000000	0.000000	0.000000	0.000000
2002	Hydrant Truck, Narrow Body	D	175	300	1.567830	0.480450	5.233490	0.811310	0.480990
2002	Hydrant Truck, Narrow Body	G	175	300	9.175140	3.033970	4.053330	0.293950	0.060420
2002	Hydrant Truck, Narrow Body	L	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
2002	Hydrant Truck, Wide Body	C	300	600	0.000000	0.000000	0.000000	0.000000	0.000000
2002	Hydrant Truck, Wide Body	D	175	300	1.567830	0.480450	5.233490	0.811310	0.480990
2002	Hydrant Truck, Wide Body	G	175	300	9.175140	3.033970	4.053330	0.293950	0.060420
2002	Hydrant Truck, Wide Body	L	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
2002	Lavatory Truck, Narrow Body	C	50	100	48.294960	48.208970	12.175110	0.013230	0.056680
2002	Lavatory Truck, Narrow Body	D	50	100	1.364910	0.434170	5.040470	0.811530	0.360560
2002	Lavatory Truck, Narrow Body	G	50	100	7.209810	3.185740	4.001180	0.297090	0.060010
2002	Lavatory Truck, Narrow Body	L	50	100	48.294960	3.286980	12.175110	0.013230	0.056680
2002	Lavatory Truck, Wide Body	C	300	600	48.294960	48.208970	12.175110	0.013230	0.056680
2002	Lavatory Truck, Wide Body	D	175	300	1.364910	0.434170	5.040470	0.811530	0.360560
2002	Lavatory Truck, Wide Body	G	175	300	7.209810	3.185740	4.001180	0.297090	0.060010
2002	Lavatory Truck, Wide Body	L	175	300	48.294960	3.286980	12.175110	0.013230	0.056680
2002	Lift	C	100	175	48.294960	48.294410	12.175110	0.013230	0.056680
2002	Lift	D	100	175	5.669680	1.404970	8.747060	0.953100	1.020230
2002	Lift	G	100	175	348.460870	12.914510	7.241030	0.174250	0.068090
2002	Lift	L	100	175	48.294960	3.286980	12.175110	0.013230	0.056680
2002	Other	C	0	9999	48.312040	48.307620	12.175530	0.013230	0.056690
2002	Other	D	0	9999	2.726860	0.524540	6.562820	0.819960	0.503880
2002	Other	G	0	9999	348.162730	12.856490	7.240410	0.174260	0.068040
2002	Other	L	0	9999	48.312040	3.287870	12.175530	0.013230	0.056690
2002	Passenger Stand	C	50	100	48.245930	48.171130	12.173870	0.013230	0.056630
2002	Passenger Stand	D	50	100	1.549730	0.476670	5.218310	0.811330	0.469870
2002	Passenger Stand	G	100	175	14.820060	4.470000	4.196390	0.285310	0.061540
2002	Passenger Stand	L	100	175	48.245930	3.284400	12.173870	0.013230	0.056630
2002	Service Truck	C	300	600	48.295790	48.209610	12.175130	0.013230	0.056680
2002	Service Truck	D	175	300	1.149870	0.379810	4.805340	0.811800	0.241040
2002	Service Truck	G	175	300	14.803490	3.994330	4.195900	0.285340	0.061540
2002	Service Truck	L	175	300	48.295790	3.287020	12.175130	0.013230	0.056680
2002	Sweeper	C	40	50	48.387020	48.365590	12.177420	0.013230	0.056760
2002	Sweeper	D	50	100	5.129250	0.915570	6.870710	0.908940	1.015440
2002	Sweeper	G	50	100	348.012310	13.289690	7.240100	0.174260	0.068020
2002	Sweeper	L	40	50	48.387020	3.291820	12.177420	0.013230	0.056760
2002	Water Service	C	300	600	0.000000	0.000000	0.000000	0.000000	0.000000
2002	Water Service	D	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
2002	Water Service	G	175	300	14.820170	3.919180	4.196390	0.285310	0.061540
2002	Water Service	L	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
2003	Air Conditioner, Narrow Body	D	175	300	1.116780	0.386180	5.777700	0.811770	0.335700
2003	Air Conditioner, Wide Body	D	175	300	1.116780	0.386180	5.777700	0.811770	0.335700
2003	Air Start	G	175	300	239.999830	11.790200	7.240080	0.175700	0.068020
2003	Air Start, 180 PPM	D	300	600	2.100000	0.471620	7.318180	0.811350	0.410720
2003	Air Start, 300 PPM	D	750	1000	2.100000	0.471620	7.318180	0.811350	0.410720
2003	Aircraft Tractor, Commuter/Reg	C	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2003	Aircraft Tractor, Commuter/Reg	D	50	100	2.327820	0.474840	6.214230	0.820200	0.462000
2003	Aircraft Tractor, Commuter/Reg	G	100	175	348.012530	12.770600	7.240100	0.174260	0.068020
2003	Aircraft Tractor, Commuter/Reg	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2003	Aircraft Tractor, Mid-Range	D	175	300	2.327820	0.474840	6.214230	0.820200	0.462000
2003	Aircraft Tractor, Narrow Body	C	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2003	Aircraft Tractor, Narrow Body	D	50	100	2.327820	0.474840	6.214230	0.820200	0.462000
2003	Aircraft Tractor, Narrow Body	G	100	175	348.012530	12.770600	7.240100	0.174260	0.068020
2003	Aircraft Tractor, Narrow Body	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2003	Aircraft Tractor, Wide Body	D	300	600	2.327820	0.474840	6.214230	0.820200	0.462000
2003	Aircraft Tug Towbarless Narrow	D	50	100	2.327820	0.474840	6.214230	0.820200	0.462000
2003	Aircraft Tug Towbarless Wide	D	600	750	2.327820	0.474840	6.214230	0.820200	0.462000
2003	Baggage Tractor, Commuter	C	50	100	48.376810	48.357700	12.177160	0.013230	0.056750
2003	Baggage Tractor, Commuter	D	50	100	4.263170	0.664130	5.614340	0.910170	0.788720
2003	Baggage Tractor, Commuter	G	100	175	347.957720	12.706720	7.239990	0.174260	0.068010
2003	Baggage Tractor, Commuter	L	100	175	48.376810	3.291280	12.177160	0.013230	0.056750
2003	Baggage Tractor, Narrow Body	C	50	100	48.376810	48.357700	12.177160	0.013230	0.056750
2003	Baggage Tractor, Narrow Body	D	50	100	4.263170	0.664130	5.614340	0.910170	0.788720
2003	Baggage Tractor, Narrow Body	G	100	175	347.957720	12.706720	7.239990	0.174260	0.068010
2003	Baggage Tractor, Narrow Body	L	100	175	48.376810	3.291280	12.177160	0.013230	0.056750
2003	Baggage Tractor, Wide Body	C	50	100	48.376810	48.357700	12.177160	0.013230	0.056750
2003	Baggage Tractor, Wide Body	D	50	100	4.263170	0.664130	5.614340	0.910170	0.788720
2003	Baggage Tractor, Wide Body	G	100	175	347.957720	12.706720	7.239990	0.174260	0.068010

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Year	Type	Fuel	Min. Power	Max. Power	CO G/HPHR	HC G/HPHR	NOX G/HPHR	SOX G/HPHR	PM G/HPHR
2003	Baggage Tractor, Wide Body	L	100	175	48.376810	3.291280	12.177160	0.013230	0.056750
2003	Belt Loader, Commuter	C	50	100	33.361250	37.196290	12.176980	0.013270	0.056750
2003	Belt Loader, Commuter	D	50	100	2.924910	0.686930	6.066850	0.901190	0.667230
2003	Belt Loader, Commuter	G	100	175	241.064050	10.025060	7.243270	0.175680	0.068250
2003	Belt Loader, Commuter	L	100	175	33.361250	2.536110	12.176980	0.013270	0.056750
2003	Belt Loader, Narrow Body	C	50	100	33.361250	37.196290	12.176980	0.013270	0.056750
2003	Belt Loader, Narrow Body	D	50	100	2.924910	0.686930	6.066850	0.901190	0.667230
2003	Belt Loader, Narrow Body	G	100	175	241.064050	10.025060	7.243270	0.175680	0.068250
2003	Belt Loader, Narrow Body	L	100	175	33.361250	2.536110	12.176980	0.013270	0.056750
2003	Belt Loader, Wide Body	C	50	100	33.361250	37.196290	12.176980	0.013270	0.056750
2003	Belt Loader, Wide Body	D	50	100	2.924910	0.686930	6.066850	0.901190	0.667230
2003	Belt Loader, Wide Body	G	100	175	241.064050	10.025060	7.243270	0.175680	0.068250
2003	Belt Loader, Wide Body	L	100	175	33.361250	2.536110	12.176980	0.013270	0.056750
2003	Bobtail	C	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2003	Bobtail	D	175	300	2.530310	0.500670	6.272590	0.820080	0.483950
2003	Bobtail	G	100	175	349.206740	12.711590	7.242580	0.174240	0.068200
2003	Bobtail	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2003	Cabin Service Truck, Comm/Reg	C	50	100	48.333730	48.238890	12.176080	0.013230	0.056710
2003	Cabin Service Truck, Comm/Reg	D	50	100	0.898130	0.322350	4.632600	0.812080	0.114120
2003	Cabin Service Truck, Comm/Reg	G	100	175	8.111480	3.112000	4.024480	0.295690	0.060190
2003	Cabin Service Truck, Comm/Reg	L	100	175	48.333730	3.289020	12.176080	0.013230	0.056710
2003	Cabin Service Truck, Narrow	C	300	600	48.333730	48.238890	12.176080	0.013230	0.056710
2003	Cabin Service Truck, Narrow	D	175	300	0.898130	0.322350	4.632600	0.812080	0.114120
2003	Cabin Service Truck, Narrow	G	175	300	8.111480	3.112000	4.024480	0.295690	0.060190
2003	Cabin Service Truck, Narrow	L	175	300	48.333730	3.289020	12.176080	0.013230	0.056710
2003	Cabin Service Truck, Wide Body	C	300	600	48.333730	48.238890	12.176080	0.013230	0.056710
2003	Cabin Service Truck, Wide Body	D	175	300	0.898130	0.322350	4.632600	0.812080	0.114120
2003	Cabin Service Truck, Wide Body	G	175	300	8.111480	3.112000	4.024480	0.295690	0.060190
2003	Cabin Service Truck, Wide Body	L	175	300	48.333730	3.289020	12.176080	0.013230	0.056710
2003	Cargo Loader, Narrow Body	C	50	100	48.294960	48.294410	12.175110	0.013230	0.056680
2003	Cargo Loader, Narrow Body	D	50	100	3.998850	1.062570	7.107950	0.954780	0.760970
2003	Cargo Loader, Narrow Body	G	100	175	349.347980	12.941050	7.242870	0.174240	0.068220
2003	Cargo Loader, Narrow Body	L	100	175	48.294960	3.286980	12.175110	0.013230	0.056680
2003	Cargo Loader, Wide, Lower Lobe	C	50	100	48.294960	48.294410	12.175110	0.013230	0.056680
2003	Cargo Loader, Wide, Lower Lobe	D	50	100	3.998850	1.062570	7.107950	0.954780	0.760970
2003	Cargo Loader, Wide, Lower Lobe	G	100	175	349.347980	12.941050	7.242870	0.174240	0.068220
2003	Cargo Loader, Wide, Lower Lobe	L	100	175	48.294960	3.286980	12.175110	0.013230	0.056680
2003	Cargo Loader, Wide, Main Deck	D	100	175	3.998850	1.062570	7.107950	0.954780	0.760970
2003	Cargo Tractor	C	50	100	48.370980	48.353190	12.177020	0.013230	0.056750
2003	Cargo Tractor	D	50	100	5.027070	0.878600	6.598350	0.909120	0.978120
2003	Cargo Tractor	G	100	175	351.244620	12.809150	7.246800	0.174220	0.068510
2003	Cargo Tractor	L	100	175	48.370980	3.290980	12.177020	0.013230	0.056750
2003	Cart	C	25	40	0.000000	0.000000	0.000000	0.000000	0.000000
2003	Cart	D	25	40	0.000000	0.000000	0.000000	0.000000	0.000000
2003	Cart	G	25	40	347.999790	18.636850	7.240080	0.174260	0.068020
2003	Cart	L	25	40	0.000000	0.000000	0.000000	0.000000	0.000000
2003	Catering Truck, Commuter/Reg	C	50	100	48.333730	48.238890	12.176080	0.013230	0.056710
2003	Catering Truck, Commuter/Reg	D	50	100	0.898130	0.322350	4.632600	0.812080	0.114120
2003	Catering Truck, Commuter/Reg	G	100	175	8.111480	3.112000	4.024480	0.295690	0.060190
2003	Catering Truck, Commuter/Reg	L	100	175	48.333730	3.289020	12.176080	0.013230	0.056710
2003	Catering Truck, Narrow Body	C	300	600	48.333730	48.238890	12.176080	0.013230	0.056710
2003	Catering Truck, Narrow Body	D	175	300	0.898130	0.322350	4.632600	0.812080	0.114120
2003	Catering Truck, Narrow Body	G	175	300	8.111480	3.112000	4.024480	0.295690	0.060190
2003	Catering Truck, Narrow Body	L	175	300	48.333730	3.289020	12.176080	0.013230	0.056710
2003	Catering Truck, Wide Body	C	300	600	48.333730	48.238890	12.176080	0.013230	0.056710
2003	Catering Truck, Wide Body	D	175	300	0.898130	0.322350	4.632600	0.812080	0.114120
2003	Catering Truck, Wide Body	G	175	300	8.111480	3.112000	4.024480	0.295690	0.060190
2003	Catering Truck, Wide Body	L	175	300	48.333730	3.289020	12.176080	0.013230	0.056710
2003	Deicer, Dual Engine	C	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
2003	Deicer, Dual Engine	D	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
2003	Deicer, Dual Engine	G	175	300	239.813730	10.782650	7.239520	0.175700	0.067980
2003	Deicer, Dual Engine	L	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
2003	Deicer, Single Engine	C	50	100	0.000000	0.000000	0.000000	0.000000	0.000000
2003	Deicer, Single Engine	D	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2003	Deicer, Single Engine	G	100	175	239.813730	10.782650	7.239520	0.175700	0.067980
2003	Deicer, Single Engine	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2003	Fork Lift	C	50	100	48.448760	48.413330	12.178970	0.013230	0.056820
2003	Fork Lift	D	50	100	5.310280	1.322880	8.278300	0.953500	0.944820

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Year	Type	Fuel	Min. Power	Max. Power	CO G/HPHR	HC G/HPHR	NOX G/HPHR	SOX G/HPHR	PM G/HPHR
2003	Fork Lift	G	50	100	347.999760	13.403710	7.240080	0.174260	0.068020
2003	Fork Lift	L	50	100	48.448760	3.295070	12.178970	0.013230	0.056820
2003	Fuel Truck, Ground Equipment	C	300	600	48.294960	48.208970	12.175110	0.013230	0.056680
2003	Fuel Truck, Ground Equipment	D	175	300	0.995990	0.346000	4.714760	0.811970	0.164480
2003	Fuel Truck, Ground Equipment	G	175	300	10.503520	3.285890	4.087120	0.291910	0.060680
2003	Fuel Truck, Ground Equipment	L	175	300	48.294960	3.286980	12.175110	0.013230	0.056680
2003	Fuel Truck, Large, 8,000+ gal	D	300	600	0.995990	0.346000	4.714760	0.811970	0.164480
2003	Fuel Truck, MidSize, 3-6,000 g	C	300	600	48.294960	48.208970	12.175110	0.013230	0.056680
2003	Fuel Truck, MidSize, 3-6,000 g	D	175	300	0.995990	0.346000	4.714760	0.811970	0.164480
2003	Fuel Truck, MidSize, 3-6,000 g	G	300	600	10.503520	3.285890	4.087120	0.291910	0.060680
2003	Fuel Truck, MidSize, 3-6,000 g	L	300	600	48.294960	3.286980	12.175110	0.013230	0.056680
2003	Fuel Truck, Small, < 3,000 gal	C	300	600	48.294960	48.208970	12.175110	0.013230	0.056680
2003	Fuel Truck, Small, < 3,000 gal	D	175	300	0.995990	0.346000	4.714760	0.811970	0.164480
2003	Fuel Truck, Small, < 3,000 gal	G	300	600	10.503520	3.285890	4.087120	0.291910	0.060680
2003	Fuel Truck, Small, < 3,000 gal	L	300	600	48.294960	3.286980	12.175110	0.013230	0.056680
2003	Generator	C	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2003	Generator	D	100	175	2.067100	0.576620	7.498920	0.810840	0.471590
2003	Generator	G	100	175	239.999850	9.899160	7.240080	0.175700	0.068020
2003	Generator	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2003	Ground Power Unit, 28VDC	C	50	100	0.000000	0.000000	0.000000	0.000000	0.000000
2003	Ground Power Unit, 28VDC	D	50	100	1.250830	0.408250	5.962580	0.811660	0.347370
2003	Ground Power Unit, 28VDC	G	100	175	239.851470	9.811900	7.239630	0.175700	0.067980
2003	Ground Power Unit, 28VDC	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2003	Ground Power Unit, 400 Hz	D	175	300	1.250830	0.408250	5.962580	0.811660	0.347370
2003	Hydrant Truck, Narrow Body	C	300	600	0.000000	0.000000	0.000000	0.000000	0.000000
2003	Hydrant Truck, Narrow Body	D	175	300	1.415210	0.446120	5.097570	0.811470	0.391990
2003	Hydrant Truck, Narrow Body	G	175	300	8.626760	3.008340	4.039030	0.294810	0.060300
2003	Hydrant Truck, Narrow Body	L	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
2003	Hydrant Truck, Wide Body	C	300	600	0.000000	0.000000	0.000000	0.000000	0.000000
2003	Hydrant Truck, Wide Body	D	175	300	1.415210	0.446120	5.097570	0.811470	0.391990
2003	Hydrant Truck, Wide Body	G	175	300	8.626760	3.008340	4.039030	0.294810	0.060300
2003	Hydrant Truck, Wide Body	L	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
2003	Lavatory Truck, Narrow Body	C	50	100	48.294960	48.208970	12.175110	0.013230	0.056680
2003	Lavatory Truck, Narrow Body	D	50	100	1.265180	0.408050	4.929540	0.811660	0.307510
2003	Lavatory Truck, Narrow Body	G	50	100	7.136000	3.183740	4.000070	0.297160	0.060000
2003	Lavatory Truck, Narrow Body	L	50	100	48.294960	3.286980	12.175110	0.013230	0.056680
2003	Lavatory Truck, Wide Body	C	300	600	48.294960	48.208970	12.175110	0.013230	0.056680
2003	Lavatory Truck, Wide Body	D	175	300	1.265180	0.408050	4.929540	0.811660	0.307510
2003	Lavatory Truck, Wide Body	G	175	300	7.136000	3.183740	4.000070	0.297160	0.060000
2003	Lavatory Truck, Wide Body	L	175	300	48.294960	3.286980	12.175110	0.013230	0.056680
2003	Lift	C	100	175	48.294960	48.294410	12.175110	0.013230	0.056680
2003	Lift	D	100	175	5.309250	1.322490	8.276240	0.953510	0.944310
2003	Lift	G	100	175	348.460940	12.914510	7.241030	0.174250	0.068090
2003	Lift	L	100	175	48.294960	3.286980	12.175110	0.013230	0.056680
2003	Other	C	0	9999	48.312040	48.307620	12.175540	0.013230	0.056690
2003	Other	D	0	9999	2.439260	0.488130	6.170580	0.820140	0.472570
2003	Other	G	0	9999	348.162790	12.856490	7.240410	0.174260	0.068040
2003	Other	L	0	9999	48.312040	3.287870	12.175540	0.013230	0.056690
2003	Passenger Stand	C	50	100	48.245940	48.171130	12.173880	0.013230	0.056630
2003	Passenger Stand	D	50	100	1.406860	0.443780	5.086190	0.811490	0.387460
2003	Passenger Stand	G	100	175	12.763910	4.370920	4.141100	0.288650	0.061110
2003	Passenger Stand	L	100	175	48.245940	3.284400	12.173880	0.013230	0.056630
2003	Service Truck	C	300	600	48.295790	48.209600	12.175130	0.013230	0.056680
2003	Service Truck	D	175	300	1.082470	0.364720	4.763760	0.811870	0.207840
2003	Service Truck	G	175	300	12.746640	3.895210	4.140600	0.288680	0.061100
2003	Service Truck	L	175	300	48.295790	3.287020	12.175130	0.013230	0.056680
2003	Sweeper	C	40	50	48.387020	48.365590	12.177420	0.013230	0.056760
2003	Sweeper	D	50	100	5.026910	0.878590	6.598330	0.909120	0.978050
2003	Sweeper	G	50	100	348.012330	13.289690	7.240100	0.174260	0.068020
2003	Sweeper	L	40	50	48.387020	3.291820	12.177420	0.013230	0.056760
2003	Water Service	C	300	600	0.000000	0.000000	0.000000	0.000000	0.000000
2003	Water Service	D	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
2003	Water Service	G	175	300	12.763910	3.820090	4.141100	0.288650	0.061110
2003	Water Service	L	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
2004	Air Conditioner, Narrow Body	D	175	300	1.041860	0.373900	5.495350	0.811830	0.320410
2004	Air Conditioner, Wide Body	D	175	300	1.041860	0.373900	5.495350	0.811830	0.320410
2004	Air Start	G	175	300	239.999880	11.795900	7.240080	0.175700	0.068020
2004	Air Start, 180 PPM	D	300	600	1.969600	0.433480	6.994370	0.811540	0.381380

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Year	Type	Fuel	Min. Power	Max. Power	CO G/HPHR	HC G/HPHR	NOX G/HPHR	SOX G/HPHR	PM G/HPHR
2004	Air Start, 300 PPM	D	750	1000	1.969600	0.433480	6.994370	0.811540	0.381380
2004	Aircraft Tractor, Commuter/Reg	C	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2004	Aircraft Tractor, Commuter/Reg	D	50	100	2.079930	0.442400	5.873910	0.820360	0.428000
2004	Aircraft Tractor, Commuter/Reg	G	100	175	348.012530	12.771260	7.240100	0.174260	0.068020
2004	Aircraft Tractor, Commuter/Reg	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2004	Aircraft Tractor, Mid-Range	D	175	300	2.079930	0.442400	5.873910	0.820360	0.428000
2004	Aircraft Tractor, Narrow Body	C	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2004	Aircraft Tractor, Narrow Body	D	50	100	2.079930	0.442400	5.873910	0.820360	0.428000
2004	Aircraft Tractor, Narrow Body	G	100	175	348.012530	12.771260	7.240100	0.174260	0.068020
2004	Aircraft Tractor, Narrow Body	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2004	Aircraft Tractor, Wide Body	D	300	600	2.079930	0.442400	5.873910	0.820360	0.428000
2004	Aircraft Tug Towbarless Narrow	D	50	100	2.079930	0.442400	5.873910	0.820360	0.428000
2004	Aircraft Tug Towbarless Wide	D	600	750	2.079930	0.442400	5.873910	0.820360	0.428000
2004	Baggage Tractor, Commuter	C	50	100	48.376810	48.357690	12.177160	0.013230	0.056750
2004	Baggage Tractor, Commuter	D	50	100	4.041830	0.592930	5.385920	0.910520	0.712860
2004	Baggage Tractor, Commuter	G	100	175	347.957680	12.707210	7.239990	0.174260	0.068010
2004	Baggage Tractor, Commuter	L	100	175	48.376810	3.291280	12.177160	0.013230	0.056750
2004	Baggage Tractor, Narrow Body	C	50	100	48.376810	48.357690	12.177160	0.013230	0.056750
2004	Baggage Tractor, Narrow Body	D	50	100	4.041830	0.592930	5.385920	0.910520	0.712860
2004	Baggage Tractor, Narrow Body	G	100	175	347.957680	12.707210	7.239990	0.174260	0.068010
2004	Baggage Tractor, Narrow Body	L	100	175	48.376810	3.291280	12.177160	0.013230	0.056750
2004	Baggage Tractor, Wide Body	C	50	100	48.376810	48.357690	12.177160	0.013230	0.056750
2004	Baggage Tractor, Wide Body	D	50	100	4.041830	0.592930	5.385920	0.910520	0.712860
2004	Baggage Tractor, Wide Body	G	100	175	347.957680	12.707210	7.239990	0.174260	0.068010
2004	Baggage Tractor, Wide Body	L	100	175	48.376810	3.291280	12.177160	0.013230	0.056750
2004	Belt Loader, Commuter	C	50	100	33.361240	37.196290	12.176980	0.013270	0.056750
2004	Belt Loader, Commuter	D	50	100	2.790370	0.623320	5.835160	0.901510	0.612920
2004	Belt Loader, Commuter	G	100	175	241.064040	10.025830	7.243270	0.175680	0.068250
2004	Belt Loader, Commuter	L	100	175	33.361240	2.536110	12.176980	0.013270	0.056750
2004	Belt Loader, Narrow Body	C	50	100	33.361240	37.196290	12.176980	0.013270	0.056750
2004	Belt Loader, Narrow Body	D	50	100	2.790370	0.623320	5.835160	0.901510	0.612920
2004	Belt Loader, Narrow Body	G	100	175	241.064040	10.025830	7.243270	0.175680	0.068250
2004	Belt Loader, Narrow Body	L	100	175	33.361240	2.536110	12.176980	0.013270	0.056750
2004	Belt Loader, Wide Body	C	50	100	33.361240	37.196290	12.176980	0.013270	0.056750
2004	Belt Loader, Wide Body	D	50	100	2.790370	0.623320	5.835160	0.901510	0.612920
2004	Belt Loader, Wide Body	G	100	175	241.064040	10.025830	7.243270	0.175680	0.068250
2004	Belt Loader, Wide Body	L	100	175	33.361240	2.536110	12.176980	0.013270	0.056750
2004	Bobtail	C	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2004	Bobtail	D	175	300	2.273320	0.468270	5.918770	0.820230	0.454870
2004	Bobtail	G	100	175	349.206770	12.712000	7.242580	0.174240	0.068200
2004	Bobtail	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2004	Cabin Service Truck, Comm/Reg	C	50	100	48.333730	48.238890	12.176080	0.013230	0.056710
2004	Cabin Service Truck, Comm/Reg	D	50	100	0.898470	0.322050	4.073830	0.812080	0.113780
2004	Cabin Service Truck, Comm/Reg	G	100	175	7.776800	3.097520	4.016000	0.296200	0.060120
2004	Cabin Service Truck, Comm/Reg	L	100	175	48.333730	3.289020	12.176080	0.013230	0.056710
2004	Cabin Service Truck, Narrow	C	300	600	48.333730	48.238890	12.176080	0.013230	0.056710
2004	Cabin Service Truck, Narrow	D	175	300	0.898470	0.322050	4.073830	0.812080	0.113780
2004	Cabin Service Truck, Narrow	G	175	300	7.776800	3.097520	4.016000	0.296200	0.060120
2004	Cabin Service Truck, Narrow	L	175	300	48.333730	3.289020	12.176080	0.013230	0.056710
2004	Cabin Service Truck, Wide Body	C	300	600	48.333730	48.238890	12.176080	0.013230	0.056710
2004	Cabin Service Truck, Wide Body	D	175	300	0.898470	0.322050	4.073830	0.812080	0.113780
2004	Cabin Service Truck, Wide Body	G	175	300	7.776800	3.097520	4.016000	0.296200	0.060120
2004	Cabin Service Truck, Wide Body	L	175	300	48.333730	3.289020	12.176080	0.013230	0.056710
2004	Cargo Loader, Narrow Body	C	50	100	48.294970	48.294410	12.175110	0.013230	0.056680
2004	Cargo Loader, Narrow Body	D	50	100	3.546710	0.991440	6.685760	0.955130	0.713920
2004	Cargo Loader, Narrow Body	G	100	175	349.347910	12.942080	7.242870	0.174240	0.068220
2004	Cargo Loader, Narrow Body	L	100	175	48.294970	3.286980	12.175110	0.013230	0.056680
2004	Cargo Loader, Wide, Lower Lobe	C	50	100	48.294970	48.294410	12.175110	0.013230	0.056680
2004	Cargo Loader, Wide, Lower Lobe	D	50	100	3.546710	0.991440	6.685760	0.955130	0.713920
2004	Cargo Loader, Wide, Lower Lobe	G	100	175	349.347910	12.942080	7.242870	0.174240	0.068220
2004	Cargo Loader, Wide, Lower Lobe	L	100	175	48.294970	3.286980	12.175110	0.013230	0.056680
2004	Cargo Loader, Wide, Main Deck	D	100	175	3.546710	0.991440	6.685760	0.955130	0.713920
2004	Cargo Tractor	C	50	100	48.370990	48.353190	12.177020	0.013230	0.056750
2004	Cargo Tractor	D	50	100	4.909900	0.834400	6.379500	0.909340	0.932740
2004	Cargo Tractor	G	100	175	351.244600	12.809680	7.246800	0.174220	0.068510
2004	Cargo Tractor	L	100	175	48.370990	3.290980	12.177020	0.013230	0.056750
2004	Cart	C	25	40	0.000000	0.000000	0.000000	0.000000	0.000000
2004	Cart	D	25	40	0.000000	0.000000	0.000000	0.000000	0.000000

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Table F1

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Year	Type	Fuel	Min. Power	Max. Power	CO G/HPHR	HC G/HPHR	NOX G/HPHR	SOX G/HPHR	PM G/HPHR
2004	Cart	G	25	40	347.999750	18.653580	7.240080	0.174260	0.068020
2004	Cart	L	25	40	0.000000	0.000000	0.000000	0.000000	0.000000
2004	Catering Truck, Commuter/Reg	C	50	100	48.333730	48.238890	12.176080	0.013230	0.056710
2004	Catering Truck, Commuter/Reg	D	50	100	0.898470	0.322050	4.073830	0.812080	0.113780
2004	Catering Truck, Commuter/Reg	G	100	175	7.776800	3.097520	4.016000	0.296200	0.060120
2004	Catering Truck, Commuter/Reg	L	100	175	48.333730	3.289020	12.176080	0.013230	0.056710
2004	Catering Truck, Narrow Body	C	300	600	48.333730	48.238890	12.176080	0.013230	0.056710
2004	Catering Truck, Narrow Body	D	175	300	0.898470	0.322050	4.073830	0.812080	0.113780
2004	Catering Truck, Narrow Body	G	175	300	7.776800	3.097520	4.016000	0.296200	0.060120
2004	Catering Truck, Narrow Body	L	175	300	48.333730	3.289020	12.176080	0.013230	0.056710
2004	Catering Truck, Wide Body	C	300	600	48.333730	48.238890	12.176080	0.013230	0.056710
2004	Catering Truck, Wide Body	D	175	300	0.898470	0.322050	4.073830	0.812080	0.113780
2004	Catering Truck, Wide Body	G	175	300	7.776800	3.097520	4.016000	0.296200	0.060120
2004	Catering Truck, Wide Body	L	175	300	48.333730	3.289020	12.176080	0.013230	0.056710
2004	Deicer, Dual Engine	C	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
2004	Deicer, Dual Engine	D	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
2004	Deicer, Dual Engine	G	175	300	239.813780	10.785610	7.239520	0.175700	0.067980
2004	Deicer, Dual Engine	L	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
2004	Deicer, Single Engine	C	50	100	0.000000	0.000000	0.000000	0.000000	0.000000
2004	Deicer, Single Engine	D	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2004	Deicer, Single Engine	G	100	175	239.813780	10.785610	7.239520	0.175700	0.067980
2004	Deicer, Single Engine	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2004	Fork Lift	C	50	100	48.448760	48.413320	12.178970	0.013230	0.056820
2004	Fork Lift	D	50	100	4.972530	1.258120	7.908180	0.953820	0.894650
2004	Fork Lift	G	50	100	347.999830	13.406110	7.240080	0.174260	0.068020
2004	Fork Lift	L	50	100	48.448760	3.295070	12.178970	0.013230	0.056820
2004	Fuel Truck, Ground Equipment	C	300	600	48.294960	48.208970	12.175110	0.013230	0.056680
2004	Fuel Truck, Ground Equipment	D	175	300	0.964700	0.338760	4.386740	0.812000	0.147650
2004	Fuel Truck, Ground Equipment	G	175	300	9.733220	3.254920	4.069350	0.292980	0.060540
2004	Fuel Truck, Ground Equipment	L	175	300	48.294960	3.286980	12.175110	0.013230	0.056680
2004	Fuel Truck, Large, 8,000+ gal	D	300	600	0.964700	0.338760	4.386740	0.812000	0.147650
2004	Fuel Truck, MidSize, 3-6,000 g	C	300	600	48.294960	48.208970	12.175110	0.013230	0.056680
2004	Fuel Truck, MidSize, 3-6,000 g	D	175	300	0.964700	0.338760	4.386740	0.812000	0.147650
2004	Fuel Truck, MidSize, 3-6,000 g	G	300	600	9.733220	3.254920	4.069350	0.292980	0.060540
2004	Fuel Truck, MidSize, 3-6,000 g	L	300	600	48.294960	3.286980	12.175110	0.013230	0.056680
2004	Fuel Truck, Small, < 3,000 gal	C	300	600	48.294960	48.208970	12.175110	0.013230	0.056680
2004	Fuel Truck, Small, < 3,000 gal	D	175	300	0.964700	0.338760	4.386740	0.812000	0.147650
2004	Fuel Truck, Small, < 3,000 gal	G	300	600	9.733220	3.254920	4.069350	0.292980	0.060540
2004	Fuel Truck, Small, < 3,000 gal	L	300	600	48.294960	3.286980	12.175110	0.013230	0.056680
2004	Generator	C	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2004	Generator	D	100	175	1.935860	0.548390	7.163840	0.810970	0.446810
2004	Generator	G	100	175	239.999820	9.899680	7.240080	0.175700	0.068020
2004	Generator	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2004	Ground Power Unit, 28VDC	C	50	100	0.000000	0.000000	0.000000	0.000000	0.000000
2004	Ground Power Unit, 28VDC	D	50	100	1.082910	0.380620	5.579130	0.811800	0.325700
2004	Ground Power Unit, 28VDC	G	100	175	239.851470	9.812200	7.239630	0.175700	0.067980
2004	Ground Power Unit, 28VDC	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2004	Ground Power Unit, 400 Hz	D	175	300	1.082910	0.380620	5.579130	0.811800	0.325700
2004	Hydrant Truck, Narrow Body	C	300	600	0.000000	0.000000	0.000000	0.000000	0.000000
2004	Hydrant Truck, Narrow Body	D	175	300	1.316680	0.420570	4.790400	0.811600	0.338400
2004	Hydrant Truck, Narrow Body	G	175	300	8.177310	2.987120	4.026980	0.295540	0.060210
2004	Hydrant Truck, Narrow Body	L	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
2004	Hydrant Truck, Wide Body	C	300	600	0.000000	0.000000	0.000000	0.000000	0.000000
2004	Hydrant Truck, Wide Body	D	175	300	1.316680	0.420570	4.790400	0.811600	0.338400
2004	Hydrant Truck, Wide Body	G	175	300	8.177310	2.987120	4.026980	0.295540	0.060210
2004	Hydrant Truck, Wide Body	L	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
2004	Lavatory Truck, Narrow Body	C	50	100	48.294960	48.208970	12.175110	0.013230	0.056680
2004	Lavatory Truck, Narrow Body	D	50	100	1.180130	0.385840	4.615930	0.811770	0.262710
2004	Lavatory Truck, Narrow Body	G	50	100	7.115690	3.184770	4.000070	0.297160	0.060000
2004	Lavatory Truck, Narrow Body	L	50	100	48.294960	3.286980	12.175110	0.013230	0.056680
2004	Lavatory Truck, Wide Body	C	300	600	48.294960	48.208970	12.175110	0.013230	0.056680
2004	Lavatory Truck, Wide Body	D	175	300	1.180130	0.385840	4.615930	0.811770	0.262710
2004	Lavatory Truck, Wide Body	G	175	300	7.115690	3.184770	4.000070	0.297160	0.060000
2004	Lavatory Truck, Wide Body	L	175	300	48.294960	3.286980	12.175110	0.013230	0.056680
2004	Lift	C	100	175	48.294960	48.294410	12.175110	0.013230	0.056680
2004	Lift	D	100	175	4.971410	1.257710	7.906020	0.953820	0.894130
2004	Lift	G	100	175	348.460940	12.915530	7.241030	0.174250	0.068090
2004	Lift	L	100	175	48.294960	3.286980	12.175110	0.013230	0.056680

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Year	Type	Fuel	Min. Power	Max. Power	CO G/HPHR	HC G/HPHR	NOX G/HPHR	SOX G/HPHR	PM G/HPHR
2004	Other	C	0	9999	48.312050	48.307620	12.175540	0.013230	0.056690
2004	Other	D	0	9999	2.168520	0.454590	5.804770	0.820300	0.443060
2004	Other	G	0	9999	348.162770	12.857370	7.240410	0.174260	0.068040
2004	Other	L	0	9999	48.312050	3.287870	12.175540	0.013230	0.056690
2004	Passenger Stand	C	50	100	48.245930	48.171130	12.173880	0.013230	0.056630
2004	Passenger Stand	D	50	100	1.308890	0.418620	4.780890	0.811610	0.334190
2004	Passenger Stand	G	100	175	11.640850	4.328270	4.115300	0.290210	0.060900
2004	Passenger Stand	L	100	175	48.245930	3.284400	12.173880	0.013230	0.056630
2004	Service Truck	C	300	600	48.295790	48.209610	12.175130	0.013230	0.056680
2004	Service Truck	D	175	300	1.029130	0.352730	4.469190	0.811930	0.182120
2004	Service Truck	G	175	300	11.623270	3.851250	4.114790	0.290240	0.060900
2004	Service Truck	L	175	300	48.295790	3.287020	12.175130	0.013230	0.056680
2004	Sweeper	C	40	50	48.387020	48.365590	12.177420	0.013230	0.056760
2004	Sweeper	D	50	100	4.909750	0.834390	6.379480	0.909340	0.932670
2004	Sweeper	G	50	100	348.012310	13.291770	7.240100	0.174260	0.068020
2004	Sweeper	L	40	50	48.387020	3.291820	12.177420	0.013230	0.056760
2004	Water Service	C	300	600	0.000000	0.000000	0.000000	0.000000	0.000000
2004	Water Service	D	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
2004	Water Service	G	175	300	11.640850	3.775930	4.115300	0.290210	0.060900
2004	Water Service	L	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
2005	Air Conditioner, Narrow Body	D	175	300	0.999140	0.366870	5.240240	0.811860	0.306490
2005	Air Conditioner, Wide Body	D	175	300	0.999140	0.366870	5.240240	0.811860	0.306490
2005	Air Start	G	175	300	239.999840	11.790200	7.240080	0.175700	0.068020
2005	Air Start, 180 PPM	D	300	600	1.843060	0.397450	6.691460	0.811710	0.354160
2005	Air Start, 300 PPM	D	750	1000	1.843060	0.397450	6.691460	0.811710	0.354160
2005	Aircraft Tractor, Commuter/Reg	C	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2005	Aircraft Tractor, Commuter/Reg	D	50	100	1.848600	0.413090	5.548410	0.820510	0.395890
2005	Aircraft Tractor, Commuter/Reg	G	100	175	348.012540	12.770600	7.240100	0.174260	0.068020
2005	Aircraft Tractor, Commuter/Reg	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2005	Aircraft Tractor, Mid-Range	D	175	300	1.848600	0.413090	5.548410	0.820510	0.395890
2005	Aircraft Tractor, Narrow Body	C	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2005	Aircraft Tractor, Narrow Body	D	50	100	1.848600	0.413090	5.548410	0.820510	0.395890
2005	Aircraft Tractor, Narrow Body	G	100	175	348.012540	12.770600	7.240100	0.174260	0.068020
2005	Aircraft Tractor, Narrow Body	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2005	Aircraft Tractor, Wide Body	D	300	600	1.848600	0.413090	5.548410	0.820510	0.395890
2005	Aircraft Tug Towbarless Narrow	D	50	100	1.848600	0.413090	5.548410	0.820510	0.395890
2005	Aircraft Tug Towbarless Wide	D	600	750	1.848600	0.413090	5.548410	0.820510	0.395890
2005	Baggage Tractor, Commuter	C	50	100	48.376820	48.357690	12.177160	0.013230	0.056750
2005	Baggage Tractor, Commuter	D	50	100	3.958390	0.554570	5.237530	0.910710	0.662660
2005	Baggage Tractor, Commuter	G	100	175	347.957650	12.706720	7.239990	0.174260	0.068010
2005	Baggage Tractor, Commuter	L	100	175	48.376820	3.291280	12.177160	0.013230	0.056750
2005	Baggage Tractor, Narrow Body	C	50	100	48.376820	48.357690	12.177160	0.013230	0.056750
2005	Baggage Tractor, Narrow Body	D	50	100	3.958390	0.554570	5.237530	0.910710	0.662660
2005	Baggage Tractor, Narrow Body	G	100	175	347.957650	12.706720	7.239990	0.174260	0.068010
2005	Baggage Tractor, Narrow Body	L	100	175	48.376820	3.291280	12.177160	0.013230	0.056750
2005	Baggage Tractor, Wide Body	C	50	100	48.376820	48.357690	12.177160	0.013230	0.056750
2005	Baggage Tractor, Wide Body	D	50	100	3.958390	0.554570	5.237530	0.910710	0.662660
2005	Baggage Tractor, Wide Body	G	100	175	347.957650	12.706720	7.239990	0.174260	0.068010
2005	Baggage Tractor, Wide Body	L	100	175	48.376820	3.291280	12.177160	0.013230	0.056750
2005	Belt Loader, Commuter	C	50	100	33.361250	37.196310	12.176980	0.013270	0.056750
2005	Belt Loader, Commuter	D	50	100	2.667010	0.565650	5.631290	0.901790	0.561410
2005	Belt Loader, Commuter	G	100	175	241.064090	10.025060	7.243270	0.175680	0.068250
2005	Belt Loader, Commuter	L	100	175	33.361250	2.536110	12.176980	0.013270	0.056750
2005	Belt Loader, Narrow Body	C	50	100	33.361250	37.196310	12.176980	0.013270	0.056750
2005	Belt Loader, Narrow Body	D	50	100	2.667010	0.565650	5.631290	0.901790	0.561410
2005	Belt Loader, Narrow Body	G	100	175	241.064090	10.025060	7.243270	0.175680	0.068250
2005	Belt Loader, Narrow Body	L	100	175	33.361250	2.536110	12.176980	0.013270	0.056750
2005	Belt Loader, Wide Body	C	50	100	33.361250	37.196310	12.176980	0.013270	0.056750
2005	Belt Loader, Wide Body	D	50	100	2.667010	0.565650	5.631290	0.901790	0.561410
2005	Belt Loader, Wide Body	G	100	175	241.064090	10.025060	7.243270	0.175680	0.068250
2005	Belt Loader, Wide Body	L	100	175	33.361250	2.536110	12.176980	0.013270	0.056750
2005	Bobtail	C	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2005	Bobtail	D	175	300	2.032420	0.438540	5.569950	0.820380	0.426340
2005	Bobtail	G	100	175	349.206770	12.711590	7.242580	0.174240	0.068200
2005	Bobtail	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2005	Cabin Service Truck, Comm/Reg	C	50	100	48.333720	48.238890	12.176080	0.013230	0.056710
2005	Cabin Service Truck, Comm/Reg	D	50	100	0.900790	0.321830	3.551210	0.812080	0.113670
2005	Cabin Service Truck, Comm/Reg	G	100	175	7.525010	2.869710	3.663720	0.296700	0.060070

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Year	Type	Fuel	Min. Power	Max. Power	CO G/HPHR	HC G/HPHR	NOX G/HPHR	SOX G/HPHR	PM G/HPHR
2005	Cabin Service Truck, Comm/Reg	L	100	175	48.333720	3.289020	12.176080	0.013230	0.056710
2005	Cabin Service Truck, Narrow	C	300	600	48.333720	48.238890	12.176080	0.013230	0.056710
2005	Cabin Service Truck, Narrow	D	175	300	0.900790	0.321830	3.551210	0.812080	0.113670
2005	Cabin Service Truck, Narrow	G	175	300	7.525010	2.869710	3.663720	0.296700	0.060070
2005	Cabin Service Truck, Narrow	L	175	300	48.333720	3.289020	12.176080	0.013230	0.056710
2005	Cabin Service Truck, Wide Body	C	300	600	48.333720	48.238890	12.176080	0.013230	0.056710
2005	Cabin Service Truck, Wide Body	D	175	300	0.900790	0.321830	3.551210	0.812080	0.113670
2005	Cabin Service Truck, Wide Body	G	175	300	7.525010	2.869710	3.663720	0.296700	0.060070
2005	Cabin Service Truck, Wide Body	L	175	300	48.333720	3.289020	12.176080	0.013230	0.056710
2005	Cargo Loader, Narrow Body	C	50	100	48.294960	48.294410	12.175110	0.013230	0.056680
2005	Cargo Loader, Narrow Body	D	50	100	3.123190	0.926370	6.273910	0.955450	0.667920
2005	Cargo Loader, Narrow Body	G	100	175	349.347980	12.941050	7.242870	0.174240	0.068220
2005	Cargo Loader, Narrow Body	L	100	175	48.294960	3.286980	12.175110	0.013230	0.056680
2005	Cargo Loader, Wide, Lower Lobe	C	50	100	48.294960	48.294410	12.175110	0.013230	0.056680
2005	Cargo Loader, Wide, Lower Lobe	D	50	100	3.123190	0.926370	6.273910	0.955450	0.667920
2005	Cargo Loader, Wide, Lower Lobe	G	100	175	349.347980	12.941050	7.242870	0.174240	0.068220
2005	Cargo Loader, Wide, Lower Lobe	L	100	175	48.294960	3.286980	12.175110	0.013230	0.056680
2005	Cargo Loader, Wide, Main Deck	D	100	175	3.123190	0.926370	6.273910	0.955450	0.667920
2005	Cargo Tractor	C	50	100	48.370980	48.353190	12.177020	0.013230	0.056750
2005	Cargo Tractor	D	50	100	4.793010	0.791550	6.178230	0.909550	0.888250
2005	Cargo Tractor	G	100	175	351.244610	12.809150	7.246800	0.174220	0.068510
2005	Cargo Tractor	L	100	175	48.370980	3.290980	12.177020	0.013230	0.056750
2005	Cart	C	25	40	0.000000	0.000000	0.000000	0.000000	0.000000
2005	Cart	D	25	40	0.000000	0.000000	0.000000	0.000000	0.000000
2005	Cart	G	25	40	347.999810	18.636850	7.240080	0.174260	0.068020
2005	Cart	L	25	40	0.000000	0.000000	0.000000	0.000000	0.000000
2005	Catering Truck, Commuter/Reg	C	50	100	48.333720	48.238890	12.176080	0.013230	0.056710
2005	Catering Truck, Commuter/Reg	D	50	100	0.900790	0.321830	3.551210	0.812080	0.113670
2005	Catering Truck, Commuter/Reg	G	100	175	7.525010	2.869710	3.663720	0.296700	0.060070
2005	Catering Truck, Commuter/Reg	L	100	175	48.333720	3.289020	12.176080	0.013230	0.056710
2005	Catering Truck, Narrow Body	C	300	600	48.333720	48.238890	12.176080	0.013230	0.056710
2005	Catering Truck, Narrow Body	D	175	300	0.900790	0.321830	3.551210	0.812080	0.113670
2005	Catering Truck, Narrow Body	G	175	300	7.525010	2.869710	3.663720	0.296700	0.060070
2005	Catering Truck, Narrow Body	L	175	300	48.333720	3.289020	12.176080	0.013230	0.056710
2005	Catering Truck, Wide Body	C	300	600	48.333720	48.238890	12.176080	0.013230	0.056710
2005	Catering Truck, Wide Body	D	175	300	0.900790	0.321830	3.551210	0.812080	0.113670
2005	Catering Truck, Wide Body	G	175	300	7.525010	2.869710	3.663720	0.296700	0.060070
2005	Catering Truck, Wide Body	L	175	300	48.333720	3.289020	12.176080	0.013230	0.056710
2005	Deicer, Dual Engine	C	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
2005	Deicer, Dual Engine	D	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
2005	Deicer, Dual Engine	G	175	300	239.813720	10.782650	7.239520	0.175700	0.067980
2005	Deicer, Dual Engine	L	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
2005	Deicer, Single Engine	C	50	100	0.000000	0.000000	0.000000	0.000000	0.000000
2005	Deicer, Single Engine	D	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2005	Deicer, Single Engine	G	100	175	239.813720	10.782650	7.239520	0.175700	0.067980
2005	Deicer, Single Engine	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2005	Fork Lift	C	50	100	48.448760	48.413330	12.178970	0.013230	0.056820
2005	Fork Lift	D	50	100	4.644690	1.197370	7.549150	0.954120	0.847430
2005	Fork Lift	G	50	100	347.999830	13.403710	7.240080	0.174260	0.068020
2005	Fork Lift	L	50	100	48.448760	3.295070	12.178970	0.013230	0.056820
2005	Fuel Truck, Ground Equipment	C	300	600	48.294960	48.208970	12.175110	0.013230	0.056680
2005	Fuel Truck, Ground Equipment	D	175	300	0.941560	0.333130	4.072680	0.812030	0.134790
2005	Fuel Truck, Ground Equipment	G	175	300	9.143950	3.062570	3.791600	0.294010	0.060420
2005	Fuel Truck, Ground Equipment	L	175	300	48.294960	3.286980	12.175110	0.013230	0.056680
2005	Fuel Truck, Large, 8,000+ gal	D	300	600	0.941560	0.333130	4.072680	0.812030	0.134790
2005	Fuel Truck, MidSize, 3-6,000 g	C	300	600	48.294960	48.208970	12.175110	0.013230	0.056680
2005	Fuel Truck, MidSize, 3-6,000 g	D	175	300	0.941560	0.333130	4.072680	0.812030	0.134790
2005	Fuel Truck, MidSize, 3-6,000 g	G	300	600	9.143950	3.062570	3.791600	0.294010	0.060420
2005	Fuel Truck, MidSize, 3-6,000 g	L	300	600	48.294960	3.286980	12.175110	0.013230	0.056680
2005	Fuel Truck, Small, < 3,000 gal	C	300	600	48.294960	48.208970	12.175110	0.013230	0.056680
2005	Fuel Truck, Small, < 3,000 gal	D	175	300	0.941560	0.333130	4.072680	0.812030	0.134790
2005	Fuel Truck, Small, < 3,000 gal	G	300	600	9.143950	3.062570	3.791600	0.294010	0.060420
2005	Fuel Truck, Small, < 3,000 gal	L	300	600	48.294960	3.286980	12.175110	0.013230	0.056680
2005	Generator	C	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2005	Generator	D	100	175	1.808480	0.521910	6.838870	0.811100	0.423570
2005	Generator	G	100	175	239.999850	9.899160	7.240080	0.175700	0.068020
2005	Generator	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2005	Ground Power Unit, 28VDC	C	50	100	0.000000	0.000000	0.000000	0.000000	0.000000

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Year	Type	Fuel	Min. Power	Max. Power	CO G/HPHR	HC G/HPHR	NOX G/HPHR	SOX G/HPHR	PM G/HPHR
2005	Ground Power Unit, 28VDC	D	50	100	1.029820	0.371900	5.322540	0.811840	0.311680
2005	Ground Power Unit, 28VDC	G	100	175	239.851470	9.811900	7.239630	0.175700	0.067980
2005	Ground Power Unit, 28VDC	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2005	Ground Power Unit, 400 Hz	D	175	300	1.029820	0.371900	5.322540	0.811840	0.311680
2005	Hydrant Truck, Narrow Body	C	300	600	0.000000	0.000000	0.000000	0.000000	0.000000
2005	Hydrant Truck, Narrow Body	D	175	300	1.229880	0.397960	4.497230	0.811710	0.291720
2005	Hydrant Truck, Narrow Body	G	175	300	7.875780	2.772990	3.698820	0.296110	0.060150
2005	Hydrant Truck, Narrow Body	L	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
2005	Hydrant Truck, Wide Body	C	300	600	0.000000	0.000000	0.000000	0.000000	0.000000
2005	Hydrant Truck, Wide Body	D	175	300	1.229880	0.397960	4.497230	0.811710	0.291720
2005	Hydrant Truck, Wide Body	G	175	300	7.875780	2.772990	3.698820	0.296110	0.060150
2005	Hydrant Truck, Wide Body	L	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
2005	Lavatory Truck, Narrow Body	C	50	100	48.294960	48.208970	12.175110	0.013230	0.056680
2005	Lavatory Truck, Narrow Body	D	50	100	1.118910	0.371900	4.352890	0.811840	0.231570
2005	Lavatory Truck, Narrow Body	G	50	100	7.103910	2.891970	3.532070	0.297310	0.060000
2005	Lavatory Truck, Narrow Body	L	50	100	48.294960	3.286980	12.175110	0.013230	0.056680
2005	Lavatory Truck, Wide Body	C	300	600	48.294960	48.208970	12.175110	0.013230	0.056680
2005	Lavatory Truck, Wide Body	D	175	300	1.118910	0.371900	4.352890	0.811840	0.231570
2005	Lavatory Truck, Wide Body	G	175	300	7.103910	2.891970	3.532070	0.297310	0.060000
2005	Lavatory Truck, Wide Body	L	175	300	48.294960	3.286980	12.175110	0.013230	0.056680
2005	Lift	C	100	175	48.294960	48.294410	12.175110	0.013230	0.056680
2005	Lift	D	100	175	4.643480	1.196940	7.546900	0.954120	0.846890
2005	Lift	G	100	175	348.460960	12.914510	7.241030	0.174250	0.068090
2005	Lift	L	100	175	48.294960	3.286980	12.175110	0.013230	0.056680
2005	Other	C	0	9999	48.312040	48.307620	12.175540	0.013230	0.056690
2005	Other	D	0	9999	1.914590	0.423830	5.448180	0.820450	0.414330
2005	Other	G	0	9999	348.162710	12.856490	7.240410	0.174260	0.068040
2005	Other	L	0	9999	48.312040	3.287870	12.175540	0.013230	0.056690
2005	Passenger Stand	C	50	100	48.245930	48.171130	12.173880	0.013230	0.056630
2005	Passenger Stand	D	50	100	1.225230	0.396430	4.487470	0.811720	0.289680
2005	Passenger Stand	G	100	175	10.692710	4.144120	3.865870	0.291570	0.060730
2005	Passenger Stand	L	100	175	48.245930	3.284400	12.173880	0.013230	0.056630
2005	Service Truck	C	300	600	48.295790	48.209610	12.175130	0.013230	0.056680
2005	Service Truck	D	175	300	0.987580	0.343340	4.180400	0.811980	0.161480
2005	Service Truck	G	175	300	10.674870	3.668350	3.865290	0.291610	0.060730
2005	Service Truck	L	175	300	48.295790	3.287020	12.175130	0.013230	0.056680
2005	Sweeper	C	40	50	48.387020	48.365590	12.177420	0.013230	0.056760
2005	Sweeper	D	50	100	4.792870	0.791540	6.178200	0.909550	0.888180
2005	Sweeper	G	50	100	348.012250	13.289690	7.240100	0.174260	0.068020
2005	Sweeper	L	40	50	48.387020	3.291820	12.177420	0.013230	0.056760
2005	Water Service	C	300	600	0.000000	0.000000	0.000000	0.000000	0.000000
2005	Water Service	D	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
2005	Water Service	G	175	300	10.692710	3.593300	3.865870	0.291570	0.060730
2005	Water Service	L	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
2006	Air Conditioner, Narrow Body	D	175	300	0.969970	0.362060	5.007520	0.811890	0.293250
2006	Air Conditioner, Wide Body	D	175	300	0.969970	0.362060	5.007520	0.811890	0.293250
2006	Air Start	G	175	300	239.999860	11.790200	7.240080	0.175700	0.068020
2006	Air Start, 180 PPM	D	300	600	1.720420	0.363430	6.306020	0.811880	0.332250
2006	Air Start, 300 PPM	D	750	1000	1.720420	0.363430	6.306020	0.811880	0.332250
2006	Aircraft Tractor, Commuter/Reg	C	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2006	Aircraft Tractor, Commuter/Reg	D	50	100	1.633380	0.375060	5.145250	0.820690	0.370850
2006	Aircraft Tractor, Commuter/Reg	G	100	175	348.012590	12.770590	7.240100	0.174260	0.068020
2006	Aircraft Tractor, Commuter/Reg	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2006	Aircraft Tractor, Mid-Range	D	175	300	1.633380	0.375060	5.145250	0.820690	0.370850
2006	Aircraft Tractor, Narrow Body	C	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2006	Aircraft Tractor, Narrow Body	D	50	100	1.633380	0.375060	5.145250	0.820690	0.370850
2006	Aircraft Tractor, Narrow Body	G	100	175	348.012590	12.770590	7.240100	0.174260	0.068020
2006	Aircraft Tractor, Narrow Body	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2006	Aircraft Tractor, Wide Body	D	300	600	1.633380	0.375060	5.145250	0.820690	0.370850
2006	Aircraft Tug Towbarless Narrow	D	50	100	1.633380	0.375060	5.145250	0.820690	0.370850
2006	Aircraft Tug Towbarless Wide	D	600	750	1.633380	0.375060	5.145250	0.820690	0.370850
2006	Baggage Tractor, Commuter	C	50	100	48.376810	48.357690	12.177160	0.013230	0.056750
2006	Baggage Tractor, Commuter	D	50	100	3.909320	0.522690	5.100310	0.910870	0.615390
2006	Baggage Tractor, Commuter	G	100	175	347.957700	12.706720	7.239990	0.174260	0.068010
2006	Baggage Tractor, Commuter	L	100	175	48.376810	3.291280	12.177160	0.013230	0.056750
2006	Baggage Tractor, Narrow Body	C	50	100	48.376810	48.357690	12.177160	0.013230	0.056750
2006	Baggage Tractor, Narrow Body	D	50	100	3.909320	0.522690	5.100310	0.910870	0.615390
2006	Baggage Tractor, Narrow Body	G	100	175	347.957700	12.706720	7.239990	0.174260	0.068010

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Year	Type	Fuel	Min. Power	Max. Power	CO G/HPHR	HC G/HPHR	NOX G/HPHR	SOX G/HPHR	PM G/HPHR
2006	Baggage Tractor, Narrow Body	L	100	175	48.376810	3.291280	12.177160	0.013230	0.056750
2006	Baggage Tractor, Wide Body	C	50	100	48.376810	48.357690	12.177160	0.013230	0.056750
2006	Baggage Tractor, Wide Body	D	50	100	3.909320	0.522690	5.100310	0.910870	0.615390
2006	Baggage Tractor, Wide Body	G	100	175	347.957700	12.706720	7.239990	0.174260	0.068010
2006	Baggage Tractor, Wide Body	L	100	175	48.376810	3.291280	12.177160	0.013230	0.056750
2006	Belt Loader, Commuter	C	50	100	33.361250	37.196310	12.176980	0.013270	0.056750
2006	Belt Loader, Commuter	D	50	100	2.597230	0.525230	5.467360	0.901990	0.519520
2006	Belt Loader, Commuter	G	100	175	241.064050	10.025060	7.243270	0.175680	0.068250
2006	Belt Loader, Commuter	L	100	175	33.361250	2.536110	12.176980	0.013270	0.056750
2006	Belt Loader, Narrow Body	C	50	100	33.361250	37.196310	12.176980	0.013270	0.056750
2006	Belt Loader, Narrow Body	D	50	100	2.597230	0.525230	5.467360	0.901990	0.519520
2006	Belt Loader, Narrow Body	G	100	175	241.064050	10.025060	7.243270	0.175680	0.068250
2006	Belt Loader, Narrow Body	L	100	175	33.361250	2.536110	12.176980	0.013270	0.056750
2006	Belt Loader, Wide Body	C	50	100	33.361250	37.196310	12.176980	0.013270	0.056750
2006	Belt Loader, Wide Body	D	50	100	2.597230	0.525230	5.467360	0.901990	0.519520
2006	Belt Loader, Wide Body	G	100	175	241.064050	10.025060	7.243270	0.175680	0.068250
2006	Belt Loader, Wide Body	L	100	175	33.361250	2.536110	12.176980	0.013270	0.056750
2006	Bobtail	C	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2006	Bobtail	D	175	300	1.807480	0.411410	5.245390	0.820510	0.399560
2006	Bobtail	G	100	175	349.206770	12.711590	7.242580	0.174240	0.068200
2006	Bobtail	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2006	Cabin Service Truck, Comm/Reg	C	50	100	48.333730	48.238890	12.176080	0.013230	0.056710
2006	Cabin Service Truck, Comm/Reg	D	50	100	0.904510	0.321640	3.063650	0.812090	0.113670
2006	Cabin Service Truck, Comm/Reg	G	100	175	7.343000	2.653350	3.324960	0.297070	0.060040
2006	Cabin Service Truck, Comm/Reg	L	100	175	48.333730	3.289020	12.176080	0.013230	0.056710
2006	Cabin Service Truck, Narrow	C	300	600	48.333730	48.238890	12.176080	0.013230	0.056710
2006	Cabin Service Truck, Narrow	D	175	300	0.904510	0.321640	3.063650	0.812090	0.113670
2006	Cabin Service Truck, Narrow	G	175	300	7.343000	2.653350	3.324960	0.297070	0.060040
2006	Cabin Service Truck, Narrow	L	175	300	48.333730	3.289020	12.176080	0.013230	0.056710
2006	Cabin Service Truck, Wide Body	C	300	600	48.333730	48.238890	12.176080	0.013230	0.056710
2006	Cabin Service Truck, Wide Body	D	175	300	0.904510	0.321640	3.063650	0.812090	0.113670
2006	Cabin Service Truck, Wide Body	G	175	300	7.343000	2.653350	3.324960	0.297070	0.060040
2006	Cabin Service Truck, Wide Body	L	175	300	48.333730	3.289020	12.176080	0.013230	0.056710
2006	Cargo Loader, Narrow Body	C	50	100	48.294960	48.294410	12.175110	0.013230	0.056680
2006	Cargo Loader, Narrow Body	D	50	100	2.778160	0.874500	5.918280	0.955700	0.627760
2006	Cargo Loader, Narrow Body	G	100	175	349.347910	12.941040	7.242870	0.174240	0.068220
2006	Cargo Loader, Narrow Body	L	100	175	48.294960	3.286980	12.175110	0.013230	0.056680
2006	Cargo Loader, Wide, Lower Lobe	C	50	100	48.294960	48.294410	12.175110	0.013230	0.056680
2006	Cargo Loader, Wide, Lower Lobe	D	50	100	2.778160	0.874500	5.918280	0.955700	0.627760
2006	Cargo Loader, Wide, Lower Lobe	G	100	175	349.347910	12.941040	7.242870	0.174240	0.068220
2006	Cargo Loader, Wide, Lower Lobe	L	100	175	48.294960	3.286980	12.175110	0.013230	0.056680
2006	Cargo Loader, Wide, Main Deck	D	100	175	2.778160	0.874500	5.918280	0.955700	0.627760
2006	Cargo Tractor	C	50	100	48.370980	48.353190	12.177020	0.013230	0.056750
2006	Cargo Tractor	D	50	100	4.676620	0.749160	5.988980	0.909760	0.843270
2006	Cargo Tractor	G	100	175	351.244630	12.809150	7.246800	0.174220	0.068510
2006	Cargo Tractor	L	100	175	48.370980	3.290980	12.177020	0.013230	0.056750
2006	Cart	C	25	40	0.000000	0.000000	0.000000	0.000000	0.000000
2006	Cart	D	25	40	0.000000	0.000000	0.000000	0.000000	0.000000
2006	Cart	G	25	40	347.999780	18.636850	7.240080	0.174260	0.068020
2006	Cart	L	25	40	0.000000	0.000000	0.000000	0.000000	0.000000
2006	Catering Truck, Commuter/Reg	C	50	100	48.333730	48.238890	12.176080	0.013230	0.056710
2006	Catering Truck, Commuter/Reg	D	50	100	0.904510	0.321640	3.063650	0.812090	0.113670
2006	Catering Truck, Commuter/Reg	G	100	175	7.343000	2.653350	3.324960	0.297070	0.060040
2006	Catering Truck, Commuter/Reg	L	100	175	48.333730	3.289020	12.176080	0.013230	0.056710
2006	Catering Truck, Narrow Body	C	300	600	48.333730	48.238890	12.176080	0.013230	0.056710
2006	Catering Truck, Narrow Body	D	175	300	0.904510	0.321640	3.063650	0.812090	0.113670
2006	Catering Truck, Narrow Body	G	175	300	7.343000	2.653350	3.324960	0.297070	0.060040
2006	Catering Truck, Narrow Body	L	175	300	48.333730	3.289020	12.176080	0.013230	0.056710
2006	Catering Truck, Wide Body	C	300	600	48.333730	48.238890	12.176080	0.013230	0.056710
2006	Catering Truck, Wide Body	D	175	300	0.904510	0.321640	3.063650	0.812090	0.113670
2006	Catering Truck, Wide Body	G	175	300	7.343000	2.653350	3.324960	0.297070	0.060040
2006	Catering Truck, Wide Body	L	175	300	48.333730	3.289020	12.176080	0.013230	0.056710
2006	Deicer, Dual Engine	C	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
2006	Deicer, Dual Engine	D	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
2006	Deicer, Dual Engine	G	175	300	239.813710	10.782650	7.239520	0.175700	0.067980
2006	Deicer, Dual Engine	L	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
2006	Deicer, Single Engine	C	50	100	0.000000	0.000000	0.000000	0.000000	0.000000
2006	Deicer, Single Engine	D	100	175	0.000000	0.000000	0.000000	0.000000	0.000000

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Year	Type	Fuel	Min. Power	Max. Power	CO G/HPHR	HC G/HPHR	NOX G/HPHR	SOX G/HPHR	PM G/HPHR
2006	Deicer, Single Engine	G	100	175	239.813710	10.782650	7.239520	0.175700	0.067980
2006	Deicer, Single Engine	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2006	Fork Lift	C	50	100	48.448760	48.413330	12.178970	0.013230	0.056820
2006	Fork Lift	D	50	100	4.326700	1.140440	7.209100	0.954400	0.803680
2006	Fork Lift	G	50	100	347.999850	13.403710	7.240080	0.174260	0.068020
2006	Fork Lift	L	50	100	48.448760	3.295070	12.178970	0.013230	0.056820
2006	Fuel Truck, Ground Equipment	C	300	600	48.294950	48.208970	12.175110	0.013230	0.056680
2006	Fuel Truck, Ground Equipment	D	175	300	0.925980	0.329150	3.774570	0.812050	0.125830
2006	Fuel Truck, Ground Equipment	G	175	300	8.703330	2.878200	3.517810	0.294800	0.060330
2006	Fuel Truck, Ground Equipment	L	175	300	48.294950	3.286980	12.175110	0.013230	0.056680
2006	Fuel Truck, Large, 8,000+ gal	D	300	600	0.925980	0.329150	3.774570	0.812050	0.125830
2006	Fuel Truck, MidSize, 3-6,000 g	C	300	600	48.294950	48.208970	12.175110	0.013230	0.056680
2006	Fuel Truck, MidSize, 3-6,000 g	D	175	300	0.925980	0.329150	3.774570	0.812050	0.125830
2006	Fuel Truck, MidSize, 3-6,000 g	G	300	600	8.703330	2.878200	3.517810	0.294800	0.060330
2006	Fuel Truck, MidSize, 3-6,000 g	L	300	600	48.294950	3.286980	12.175110	0.013230	0.056680
2006	Fuel Truck, Small, < 3,000 gal	C	300	600	48.294950	48.208970	12.175110	0.013230	0.056680
2006	Fuel Truck, Small, < 3,000 gal	D	175	300	0.925980	0.329150	3.774570	0.812050	0.125830
2006	Fuel Truck, Small, < 3,000 gal	G	300	600	8.703330	2.878200	3.517810	0.294800	0.060330
2006	Fuel Truck, Small, < 3,000 gal	L	300	600	48.294950	3.286980	12.175110	0.013230	0.056680
2006	Generator	C	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2006	Generator	D	100	175	1.684920	0.497100	6.531110	0.811220	0.402090
2006	Generator	G	100	175	239.999870	9.899160	7.240080	0.175700	0.068020
2006	Generator	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2006	Ground Power Unit, 28VDC	C	50	100	0.000000	0.000000	0.000000	0.000000	0.000000
2006	Ground Power Unit, 28VDC	D	50	100	0.995000	0.366160	5.099690	0.811870	0.299110
2006	Ground Power Unit, 28VDC	G	100	175	239.851490	9.811900	7.239630	0.175700	0.067980
2006	Ground Power Unit, 28VDC	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2006	Ground Power Unit, 400 Hz	D	175	300	0.995000	0.366160	5.099690	0.811870	0.299110
2006	Hydrant Truck, Narrow Body	C	300	600	0.000000	0.000000	0.000000	0.000000	0.000000
2006	Hydrant Truck, Narrow Body	D	175	300	1.160200	0.380630	4.239700	0.811800	0.254730
2006	Hydrant Truck, Narrow Body	G	175	300	7.642600	2.569360	3.383280	0.296570	0.060100
2006	Hydrant Truck, Narrow Body	L	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
2006	Hydrant Truck, Wide Body	C	300	600	0.000000	0.000000	0.000000	0.000000	0.000000
2006	Hydrant Truck, Wide Body	D	175	300	1.160200	0.380630	4.239700	0.811800	0.254730
2006	Hydrant Truck, Wide Body	G	175	300	7.642600	2.569360	3.383280	0.296570	0.060100
2006	Hydrant Truck, Wide Body	L	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
2006	Lavatory Truck, Narrow Body	C	50	100	48.294950	48.208970	12.175110	0.013230	0.056680
2006	Lavatory Truck, Narrow Body	D	50	100	1.066570	0.360150	4.105570	0.811900	0.204800
2006	Lavatory Truck, Narrow Body	G	50	100	7.100120	2.609950	3.079690	0.297450	0.060000
2006	Lavatory Truck, Narrow Body	L	50	100	48.294950	3.286980	12.175110	0.013230	0.056680
2006	Lavatory Truck, Wide Body	C	300	600	48.294950	48.208970	12.175110	0.013230	0.056680
2006	Lavatory Truck, Wide Body	D	175	300	1.066570	0.360150	4.105570	0.811900	0.204800
2006	Lavatory Truck, Wide Body	G	175	300	7.100120	2.609950	3.079690	0.297450	0.060000
2006	Lavatory Truck, Wide Body	L	175	300	48.294950	3.286980	12.175110	0.013230	0.056680
2006	Lift	C	100	175	48.294960	48.294410	12.175110	0.013230	0.056680
2006	Lift	D	100	175	4.325400	1.140010	7.206750	0.954400	0.803120
2006	Lift	G	100	175	348.460890	12.914500	7.241030	0.174250	0.068090
2006	Lift	L	100	175	48.294960	3.286980	12.175110	0.013230	0.056680
2006	Other	C	0	9999	48.312040	48.307620	12.175540	0.013230	0.056690
2006	Other	D	0	9999	1.697120	0.398020	5.132040	0.820580	0.388610
2006	Other	G	0	9999	348.162740	12.856490	7.240410	0.174260	0.068040
2006	Other	L	0	9999	48.312040	3.287870	12.175540	0.013230	0.056690
2006	Passenger Stand	C	50	100	48.245930	48.171130	12.173880	0.013230	0.056630
2006	Passenger Stand	D	50	100	1.157010	0.379850	4.234220	0.811800	0.253530
2006	Passenger Stand	G	100	175	9.962900	3.970840	3.620500	0.292700	0.060600
2006	Passenger Stand	L	100	175	48.245930	3.284400	12.173880	0.013230	0.056630
2006	Service Truck	C	300	600	48.295790	48.209610	12.175130	0.013230	0.056680
2006	Service Truck	D	175	300	0.963070	0.337460	3.903660	0.812010	0.147510
2006	Service Truck	G	175	300	9.944860	3.495030	3.619860	0.292730	0.060590
2006	Service Truck	L	175	300	48.295790	3.287020	12.175130	0.013230	0.056680
2006	Sweeper	C	40	50	48.387020	48.365590	12.177420	0.013230	0.056760
2006	Sweeper	D	50	100	4.676490	0.749160	5.988950	0.909760	0.843210
2006	Sweeper	G	50	100	348.012290	13.289680	7.240100	0.174260	0.068020
2006	Sweeper	L	40	50	48.387020	3.291820	12.177420	0.013230	0.056760
2006	Water Service	C	300	600	0.000000	0.000000	0.000000	0.000000	0.000000
2006	Water Service	D	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
2006	Water Service	G	175	300	9.962900	3.420020	3.620500	0.292700	0.060600
2006	Water Service	L	175	300	0.000000	0.000000	0.000000	0.000000	0.000000

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Year	Type	Fuel	Min. Power	Max. Power	CO G/HPHR	HC G/HPHR	NOX G/HPHR	SOX G/HPHR	PM G/HPHR
2007	Air Conditioner, Narrow Body	D	175	300	0.949690	0.335660	4.608660	0.812020	0.292570
2007	Air Conditioner, Wide Body	D	175	300	0.949690	0.335660	4.608660	0.812020	0.292570
2007	Air Start	G	175	300	239.999860	11.790200	7.240080	0.175700	0.068020
2007	Air Start, 180 PPM	D	300	600	1.597510	0.331060	5.912910	0.812040	0.312330
2007	Air Start, 300 PPM	D	750	1000	1.597510	0.331060	5.912910	0.812040	0.312330
2007	Aircraft Tractor, Commuter/Reg	C	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2007	Aircraft Tractor, Commuter/Reg	D	50	100	1.468100	0.343350	4.789390	0.820850	0.350300
2007	Aircraft Tractor, Commuter/Reg	G	100	175	348.012540	12.770600	7.240100	0.174260	0.068020
2007	Aircraft Tractor, Commuter/Reg	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2007	Aircraft Tractor, Mid-Range	D	175	300	1.468100	0.343350	4.789390	0.820850	0.350300
2007	Aircraft Tractor, Narrow Body	C	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2007	Aircraft Tractor, Narrow Body	D	50	100	1.468100	0.343350	4.789390	0.820850	0.350300
2007	Aircraft Tractor, Narrow Body	G	100	175	348.012540	12.770600	7.240100	0.174260	0.068020
2007	Aircraft Tractor, Narrow Body	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2007	Aircraft Tractor, Wide Body	D	300	600	1.468100	0.343350	4.789390	0.820850	0.350300
2007	Aircraft Tug Towbarless Narrow	D	50	100	1.468100	0.343350	4.789390	0.820850	0.350300
2007	Aircraft Tug Towbarless Wide	D	600	750	1.468100	0.343350	4.789390	0.820850	0.350300
2007	Baggage Tractor, Commuter	C	50	100	48.376820	48.357700	12.177160	0.013230	0.056750
2007	Baggage Tractor, Commuter	D	50	100	3.874800	0.494720	4.973500	0.911010	0.570140
2007	Baggage Tractor, Commuter	G	100	175	347.957660	12.706720	7.239990	0.174260	0.068010
2007	Baggage Tractor, Commuter	L	100	175	48.376820	3.291280	12.177160	0.013230	0.056750
2007	Baggage Tractor, Narrow Body	C	50	100	48.376820	48.357700	12.177160	0.013230	0.056750
2007	Baggage Tractor, Narrow Body	D	50	100	3.874800	0.494720	4.973500	0.911010	0.570140
2007	Baggage Tractor, Narrow Body	G	100	175	347.957660	12.706720	7.239990	0.174260	0.068010
2007	Baggage Tractor, Narrow Body	L	100	175	48.376820	3.291280	12.177160	0.013230	0.056750
2007	Baggage Tractor, Wide Body	C	50	100	48.376820	48.357700	12.177160	0.013230	0.056750
2007	Baggage Tractor, Wide Body	D	50	100	3.874800	0.494720	4.973500	0.911010	0.570140
2007	Baggage Tractor, Wide Body	G	100	175	347.957660	12.706720	7.239990	0.174260	0.068010
2007	Baggage Tractor, Wide Body	L	100	175	48.376820	3.291280	12.177160	0.013230	0.056750
2007	Belt Loader, Commuter	C	50	100	33.361250	37.196290	12.176980	0.013270	0.056750
2007	Belt Loader, Commuter	D	50	100	2.566900	0.498460	5.340280	0.902120	0.486720
2007	Belt Loader, Commuter	G	100	175	241.064030	10.025050	7.243270	0.175680	0.068250
2007	Belt Loader, Commuter	L	100	175	33.361250	2.536110	12.176980	0.013270	0.056750
2007	Belt Loader, Narrow Body	C	50	100	33.361250	37.196290	12.176980	0.013270	0.056750
2007	Belt Loader, Narrow Body	D	50	100	2.566900	0.498460	5.340280	0.902120	0.486720
2007	Belt Loader, Narrow Body	G	100	175	241.064030	10.025050	7.243270	0.175680	0.068250
2007	Belt Loader, Narrow Body	L	100	175	33.361250	2.536110	12.176980	0.013270	0.056750
2007	Belt Loader, Wide Body	C	50	100	33.361250	37.196290	12.176980	0.013270	0.056750
2007	Belt Loader, Wide Body	D	50	100	2.566900	0.498460	5.340280	0.902120	0.486720
2007	Belt Loader, Wide Body	G	100	175	241.064030	10.025050	7.243270	0.175680	0.068250
2007	Belt Loader, Wide Body	L	100	175	33.361250	2.536110	12.176980	0.013270	0.056750
2007	Bobtail	C	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2007	Bobtail	D	175	300	1.642990	0.376390	4.862420	0.820690	0.387380
2007	Bobtail	G	100	175	349.206730	12.711580	7.242580	0.174240	0.068200
2007	Bobtail	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2007	Cabin Service Truck, Comm/Reg	C	50	100	48.333730	48.238890	12.176080	0.013230	0.056710
2007	Cabin Service Truck, Comm/Reg	D	50	100	0.758220	0.283740	2.292180	0.765740	0.270790
2007	Cabin Service Truck, Comm/Reg	G	100	175	7.234220	2.438780	2.934560	0.297330	0.060020
2007	Cabin Service Truck, Comm/Reg	L	100	175	48.333730	3.289020	12.176080	0.013230	0.056710
2007	Cabin Service Truck, Narrow	C	300	600	48.333730	48.238890	12.176080	0.013230	0.056710
2007	Cabin Service Truck, Narrow	D	175	300	0.758220	0.283740	2.292180	0.765740	0.270790
2007	Cabin Service Truck, Narrow	G	175	300	7.234220	2.438780	2.934560	0.297330	0.060020
2007	Cabin Service Truck, Narrow	L	175	300	48.333730	3.289020	12.176080	0.013230	0.056710
2007	Cabin Service Truck, Wide Body	C	300	600	48.333730	48.238890	12.176080	0.013230	0.056710
2007	Cabin Service Truck, Wide Body	D	175	300	0.758220	0.283740	2.292180	0.765740	0.270790
2007	Cabin Service Truck, Wide Body	G	175	300	7.234220	2.438780	2.934560	0.297330	0.060020
2007	Cabin Service Truck, Wide Body	L	175	300	48.333730	3.289020	12.176080	0.013230	0.056710
2007	Cargo Loader, Narrow Body	C	50	100	48.294950	48.294410	12.175110	0.013230	0.056680
2007	Cargo Loader, Narrow Body	D	50	100	2.659050	0.818180	5.536990	0.955980	0.618100
2007	Cargo Loader, Narrow Body	G	100	175	349.347940	12.941050	7.242870	0.174240	0.068220
2007	Cargo Loader, Narrow Body	L	100	175	48.294950	3.286980	12.175110	0.013230	0.056680
2007	Cargo Loader, Wide, Lower Lobe	C	50	100	48.294950	48.294410	12.175110	0.013230	0.056680
2007	Cargo Loader, Wide, Lower Lobe	D	50	100	2.659050	0.818180	5.536990	0.955980	0.618100
2007	Cargo Loader, Wide, Lower Lobe	G	100	175	349.347940	12.941050	7.242870	0.174240	0.068220
2007	Cargo Loader, Wide, Lower Lobe	L	100	175	48.294950	3.286980	12.175110	0.013230	0.056680
2007	Cargo Loader, Wide, Main Deck	D	100	175	2.659050	0.818180	5.536990	0.955980	0.618100
2007	Cargo Tractor	C	50	100	48.370980	48.353190	12.177020	0.013230	0.056750
2007	Cargo Tractor	D	50	100	4.560940	0.708050	5.815060	0.909960	0.799040

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Year	Type	Fuel	Min. Power	Max. Power	CO G/HPHR	HC G/HPHR	NOX G/HPHR	SOX G/HPHR	PM G/HPHR
2007	Cargo Tractor	G	100	175	351.244610	12.809150	7.246800	0.174220	0.068510
2007	Cargo Tractor	L	100	175	48.370980	3.290980	12.177020	0.013230	0.056750
2007	Cart	C	25	40	0.000000	0.000000	0.000000	0.000000	0.000000
2007	Cart	D	25	40	0.000000	0.000000	0.000000	0.000000	0.000000
2007	Cart	G	25	40	347.999790	18.636850	7.240080	0.174260	0.068020
2007	Cart	L	25	40	0.000000	0.000000	0.000000	0.000000	0.000000
2007	Catering Truck, Commuter/Reg	C	50	100	48.333730	48.238890	12.176080	0.013230	0.056710
2007	Catering Truck, Commuter/Reg	D	50	100	0.758220	0.283740	2.292180	0.765740	0.270790
2007	Catering Truck, Commuter/Reg	G	100	175	7.234220	2.438780	2.934560	0.297330	0.060020
2007	Catering Truck, Commuter/Reg	L	100	175	48.333730	3.289020	12.176080	0.013230	0.056710
2007	Catering Truck, Narrow Body	C	300	600	48.333730	48.238890	12.176080	0.013230	0.056710
2007	Catering Truck, Narrow Body	D	175	300	0.758220	0.283740	2.292180	0.765740	0.270790
2007	Catering Truck, Narrow Body	G	175	300	7.234220	2.438780	2.934560	0.297330	0.060020
2007	Catering Truck, Narrow Body	L	175	300	48.333730	3.289020	12.176080	0.013230	0.056710
2007	Catering Truck, Wide Body	C	300	600	48.333730	48.238890	12.176080	0.013230	0.056710
2007	Catering Truck, Wide Body	D	175	300	0.758220	0.283740	2.292180	0.765740	0.270790
2007	Catering Truck, Wide Body	G	175	300	7.234220	2.438780	2.934560	0.297330	0.060020
2007	Catering Truck, Wide Body	L	175	300	48.333730	3.289020	12.176080	0.013230	0.056710
2007	Deicer, Dual Engine	C	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
2007	Deicer, Dual Engine	D	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
2007	Deicer, Dual Engine	G	175	300	239.813710	10.782650	7.239520	0.175700	0.067980
2007	Deicer, Dual Engine	L	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
2007	Deicer, Single Engine	C	50	100	0.000000	0.000000	0.000000	0.000000	0.000000
2007	Deicer, Single Engine	D	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2007	Deicer, Single Engine	G	100	175	239.813710	10.782650	7.239520	0.175700	0.067980
2007	Deicer, Single Engine	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2007	Fork Lift	C	50	100	48.448760	48.413330	12.178970	0.013230	0.056820
2007	Fork Lift	D	50	100	4.018930	1.063560	6.795020	0.954770	0.774060
2007	Fork Lift	G	50	100	347.999850	13.403710	7.240080	0.174260	0.068020
2007	Fork Lift	L	50	100	48.448760	3.295070	12.178970	0.013230	0.056820
2007	Fuel Truck, Ground Equipment	C	300	600	48.294960	48.208970	12.175110	0.013230	0.056680
2007	Fuel Truck, Ground Equipment	D	175	300	0.834940	0.305790	3.307630	0.786850	0.205640
2007	Fuel Truck, Ground Equipment	G	175	300	8.335580	2.696070	3.205480	0.295480	0.060250
2007	Fuel Truck, Ground Equipment	L	175	300	48.294960	3.286980	12.175110	0.013230	0.056680
2007	Fuel Truck, Large, 8,000+ gal	D	300	600	0.834940	0.305790	3.307630	0.786850	0.205640
2007	Fuel Truck, MidSize, 3-6,000 g	C	300	600	48.294960	48.208970	12.175110	0.013230	0.056680
2007	Fuel Truck, MidSize, 3-6,000 g	D	175	300	0.834940	0.305790	3.307630	0.786850	0.205640
2007	Fuel Truck, MidSize, 3-6,000 g	G	300	600	8.335580	2.696070	3.205480	0.295480	0.060250
2007	Fuel Truck, MidSize, 3-6,000 g	L	300	600	48.294960	3.286980	12.175110	0.013230	0.056680
2007	Fuel Truck, Small, < 3,000 gal	C	300	600	48.294960	48.208970	12.175110	0.013230	0.056680
2007	Fuel Truck, Small, < 3,000 gal	D	175	300	0.834940	0.305790	3.307630	0.786850	0.205640
2007	Fuel Truck, Small, < 3,000 gal	G	300	600	8.335580	2.696070	3.205480	0.295480	0.060250
2007	Fuel Truck, Small, < 3,000 gal	L	300	600	48.294960	3.286980	12.175110	0.013230	0.056680
2007	Generator	C	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2007	Generator	D	100	175	1.565330	0.463390	6.156260	0.811390	0.637680
2007	Generator	G	100	175	239.999860	9.899160	7.240080	0.175700	0.068020
2007	Generator	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2007	Ground Power Unit, 28VDC	C	50	100	0.000000	0.000000	0.000000	0.000000	0.000000
2007	Ground Power Unit, 28VDC	D	50	100	0.968960	0.340790	4.724890	0.811990	0.298040
2007	Ground Power Unit, 28VDC	G	100	175	239.851470	9.811900	7.239630	0.175700	0.067980
2007	Ground Power Unit, 28VDC	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2007	Ground Power Unit, 400 Hz	D	175	300	0.968960	0.340790	4.724890	0.811990	0.298040
2007	Hydrant Truck, Narrow Body	C	300	600	0.000000	0.000000	0.000000	0.000000	0.000000
2007	Hydrant Truck, Narrow Body	D	175	300	1.054960	0.355400	3.895300	0.795460	0.283380
2007	Hydrant Truck, Narrow Body	G	175	300	7.417100	2.357740	3.007690	0.297030	0.060050
2007	Hydrant Truck, Narrow Body	L	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
2007	Hydrant Truck, Wide Body	C	300	600	0.000000	0.000000	0.000000	0.000000	0.000000
2007	Hydrant Truck, Wide Body	D	175	300	1.054960	0.355400	3.895300	0.795460	0.283380
2007	Hydrant Truck, Wide Body	G	175	300	7.417100	2.357740	3.007690	0.297030	0.060050
2007	Hydrant Truck, Wide Body	L	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
2007	Lavatory Truck, Narrow Body	C	50	100	48.294960	48.208970	12.175110	0.013230	0.056680
2007	Lavatory Truck, Narrow Body	D	50	100	0.963800	0.335430	3.738280	0.793560	0.244630
2007	Lavatory Truck, Narrow Body	G	50	100	7.100120	2.335260	2.570060	0.297590	0.060000
2007	Lavatory Truck, Narrow Body	L	50	100	48.294960	3.286980	12.175110	0.013230	0.056680
2007	Lavatory Truck, Wide Body	C	300	600	48.294960	48.208970	12.175110	0.013230	0.056680
2007	Lavatory Truck, Wide Body	D	175	300	0.963800	0.335430	3.738280	0.793560	0.244630
2007	Lavatory Truck, Wide Body	G	175	300	7.100120	2.335260	2.570060	0.297590	0.060000
2007	Lavatory Truck, Wide Body	L	175	300	48.294960	3.286980	12.175110	0.013230	0.056680

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Table F1

Ground Support Equipment Emission Indices

Year	Type	Fuel	Min. Power	Max. Power	CO G/HPHR	HC G/HPHR	NOX G/HPHR	SOX G/HPHR	PM G/HPHR
2007	Lift	C	100	175	48.294960	48.294410	12.175110	0.013230	0.056680
2007	Lift	D	100	175	4.017530	1.063100	6.792550	0.954780	0.773500
2007	Lift	G	100	175	348.460940	12.914500	7.241030	0.174250	0.068090
2007	Lift	L	100	175	48.294960	3.286980	12.175110	0.013230	0.056680
2007	Other	C	0	9999	48.312040	48.307620	12.175540	0.013230	0.056690
2007	Other	D	0	9999	1.615930	0.372020	4.805550	0.820710	0.382680
2007	Other	G	0	9999	348.162720	12.856490	7.240410	0.174260	0.068040
2007	Other	L	0	9999	48.312040	3.287870	12.175540	0.013230	0.056690
2007	Passenger Stand	C	50	100	48.245940	48.171130	12.173880	0.013230	0.056630
2007	Passenger Stand	D	50	100	1.051980	0.354640	3.887590	0.795360	0.282620
2007	Passenger Stand	G	100	175	9.450290	3.803350	3.343750	0.293590	0.060490
2007	Passenger Stand	L	100	175	48.245940	3.284400	12.173880	0.013230	0.056630
2007	Service Truck	C	300	600	48.295790	48.209610	12.175130	0.013230	0.056680
2007	Service Truck	D	175	300	0.875010	0.315330	3.482900	0.790110	0.211680
2007	Service Truck	G	175	300	9.432110	3.327480	3.343030	0.293620	0.060490
2007	Service Truck	L	175	300	48.295790	3.287020	12.175130	0.013230	0.056680
2007	Sweeper	C	40	50	48.387020	48.365580	12.177420	0.013230	0.056760
2007	Sweeper	D	50	100	4.560820	0.708050	5.815030	0.909960	0.798980
2007	Sweeper	G	50	100	348.012270	13.289680	7.240100	0.174260	0.068020
2007	Sweeper	L	40	50	48.387020	3.291820	12.177420	0.013230	0.056760
2007	Water Service	C	300	600	0.000000	0.000000	0.000000	0.000000	0.000000
2007	Water Service	D	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
2007	Water Service	G	175	300	9.450290	3.252520	3.343750	0.293590	0.060490
2007	Water Service	L	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
2008	Air Conditioner, Narrow Body	D	175	300	0.937470	0.311110	4.242220	0.812140	0.293210
2008	Air Conditioner, Wide Body	D	175	300	0.937470	0.311110	4.242220	0.812140	0.293210
2008	Air Start	G	175	300	239.999880	11.795900	7.240080	0.175700	0.068020
2008	Air Start, 180 PPM	D	300	600	1.481630	0.301160	5.541030	0.812190	0.293970
2008	Air Start, 300 PPM	D	750	1000	1.481630	0.301160	5.541030	0.812190	0.293970
2008	Aircraft Tractor, Commuter/Reg	C	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2008	Aircraft Tractor, Commuter/Reg	D	50	100	1.405160	0.323800	4.516990	0.820940	0.337130
2008	Aircraft Tractor, Commuter/Reg	G	100	175	348.012560	12.771260	7.240100	0.174260	0.068020
2008	Aircraft Tractor, Commuter/Reg	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2008	Aircraft Tractor, Mid-Range	D	175	300	1.405160	0.323800	4.516990	0.820940	0.337130
2008	Aircraft Tractor, Narrow Body	C	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2008	Aircraft Tractor, Narrow Body	D	50	100	1.405160	0.323800	4.516990	0.820940	0.337130
2008	Aircraft Tractor, Narrow Body	G	100	175	348.012560	12.771260	7.240100	0.174260	0.068020
2008	Aircraft Tractor, Narrow Body	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2008	Aircraft Tractor, Wide Body	D	300	600	1.405160	0.323800	4.516990	0.820940	0.337130
2008	Aircraft Tug Towbarless Narrow	D	50	100	1.405160	0.323800	4.516990	0.820940	0.337130
2008	Aircraft Tug Towbarless Wide	D	600	750	1.405160	0.323800	4.516990	0.820940	0.337130
2008	Baggage Tractor, Commuter	C	50	100	48.376820	48.357700	12.177160	0.013230	0.056750
2008	Baggage Tractor, Commuter	D	50	100	3.856280	0.444160	4.678070	0.911250	0.550030
2008	Baggage Tractor, Commuter	G	100	175	347.957640	12.707210	7.239990	0.174260	0.068010
2008	Baggage Tractor, Commuter	L	100	175	48.376820	3.291280	12.177160	0.013230	0.056750
2008	Baggage Tractor, Narrow Body	C	50	100	48.376820	48.357700	12.177160	0.013230	0.056750
2008	Baggage Tractor, Narrow Body	D	50	100	3.856280	0.444160	4.678070	0.911250	0.550030
2008	Baggage Tractor, Narrow Body	G	100	175	347.957640	12.707210	7.239990	0.174260	0.068010
2008	Baggage Tractor, Narrow Body	L	100	175	48.376820	3.291280	12.177160	0.013230	0.056750
2008	Baggage Tractor, Wide Body	C	50	100	48.376820	48.357700	12.177160	0.013230	0.056750
2008	Baggage Tractor, Wide Body	D	50	100	3.856280	0.444160	4.678070	0.911250	0.550030
2008	Baggage Tractor, Wide Body	G	100	175	347.957640	12.707210	7.239990	0.174260	0.068010
2008	Baggage Tractor, Wide Body	L	100	175	48.376820	3.291280	12.177160	0.013230	0.056750
2008	Belt Loader, Commuter	C	50	100	33.361250	37.196310	12.176990	0.013270	0.056750
2008	Belt Loader, Commuter	D	50	100	2.546570	0.452550	5.060780	0.902340	0.471330
2008	Belt Loader, Commuter	G	100	175	241.064070	10.025840	7.243270	0.175680	0.068250
2008	Belt Loader, Commuter	L	100	175	33.361250	2.536110	12.176990	0.013270	0.056750
2008	Belt Loader, Narrow Body	C	50	100	33.361250	37.196310	12.176990	0.013270	0.056750
2008	Belt Loader, Narrow Body	D	50	100	2.546570	0.452550	5.060780	0.902340	0.471330
2008	Belt Loader, Narrow Body	G	100	175	241.064070	10.025840	7.243270	0.175680	0.068250
2008	Belt Loader, Narrow Body	L	100	175	33.361250	2.536110	12.176990	0.013270	0.056750
2008	Belt Loader, Wide Body	C	50	100	33.361250	37.196310	12.176990	0.013270	0.056750
2008	Belt Loader, Wide Body	D	50	100	2.546570	0.452550	5.060780	0.902340	0.471330
2008	Belt Loader, Wide Body	G	100	175	241.064070	10.025840	7.243270	0.175680	0.068250
2008	Belt Loader, Wide Body	L	100	175	33.361250	2.536110	12.176990	0.013270	0.056750
2008	Bobtail	C	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2008	Bobtail	D	175	300	1.583670	0.354070	4.572410	0.820790	0.382860
2008	Bobtail	G	100	175	349.206760	12.712000	7.242580	0.174240	0.068200

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Year	Type	Fuel	Min. Power	Max. Power	CO G/HPHR	HC G/HPHR	NOX G/HPHR	SOX G/HPHR	PM G/HPHR
2008	Bobtail	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2008	Cabin Service Truck, Comm/Reg	C	50	100	48.333720	48.238890	12.176080	0.013230	0.056710
2008	Cabin Service Truck, Comm/Reg	D	50	100	0.618940	0.248150	1.590770	0.722470	0.416470
2008	Cabin Service Truck, Comm/Reg	G	100	175	7.132540	2.232160	2.557500	0.297590	0.060000
2008	Cabin Service Truck, Comm/Reg	L	100	175	48.333720	3.289020	12.176080	0.013230	0.056710
2008	Cabin Service Truck, Narrow	C	300	600	48.333720	48.238890	12.176080	0.013230	0.056710
2008	Cabin Service Truck, Narrow	D	175	300	0.618940	0.248150	1.590770	0.722470	0.416470
2008	Cabin Service Truck, Narrow	G	175	300	7.132540	2.232160	2.557500	0.297590	0.060000
2008	Cabin Service Truck, Narrow	L	175	300	48.333720	3.289020	12.176080	0.013230	0.056710
2008	Cabin Service Truck, Wide Body	C	300	600	48.333720	48.238890	12.176080	0.013230	0.056710
2008	Cabin Service Truck, Wide Body	D	175	300	0.618940	0.248150	1.590770	0.722470	0.416470
2008	Cabin Service Truck, Wide Body	G	175	300	7.132540	2.232160	2.557500	0.297590	0.060000
2008	Cabin Service Truck, Wide Body	L	175	300	48.333720	3.289020	12.176080	0.013230	0.056710
2008	Cargo Loader, Narrow Body	C	50	100	48.294960	48.294410	12.175110	0.013230	0.056680
2008	Cargo Loader, Narrow Body	D	50	100	2.581130	0.770070	5.194640	0.956210	0.613170
2008	Cargo Loader, Narrow Body	G	100	175	349.347870	12.942070	7.242870	0.174240	0.068220
2008	Cargo Loader, Narrow Body	L	100	175	48.294960	3.286980	12.175110	0.013230	0.056680
2008	Cargo Loader, Wide, Lower Lobe	C	50	100	48.294960	48.294410	12.175110	0.013230	0.056680
2008	Cargo Loader, Wide, Lower Lobe	D	50	100	2.581130	0.770070	5.194640	0.956210	0.613170
2008	Cargo Loader, Wide, Lower Lobe	G	100	175	349.347870	12.942070	7.242870	0.174240	0.068220
2008	Cargo Loader, Wide, Lower Lobe	L	100	175	48.294960	3.286980	12.175110	0.013230	0.056680
2008	Cargo Loader, Wide, Main Deck	D	100	175	2.581130	0.770070	5.194640	0.956210	0.613170
2008	Cargo Tractor	C	50	100	48.370990	48.353190	12.177020	0.013230	0.056750
2008	Cargo Tractor	D	50	100	4.447630	0.655950	5.566660	0.910210	0.765600
2008	Cargo Tractor	G	100	175	351.244620	12.809680	7.246800	0.174220	0.068510
2008	Cargo Tractor	L	100	175	48.370990	3.290980	12.177020	0.013230	0.056750
2008	Cart	C	25	40	0.000000	0.000000	0.000000	0.000000	0.000000
2008	Cart	D	25	40	0.000000	0.000000	0.000000	0.000000	0.000000
2008	Cart	G	25	40	347.999810	18.653580	7.240080	0.174260	0.068020
2008	Cart	L	25	40	0.000000	0.000000	0.000000	0.000000	0.000000
2008	Catering Truck, Commuter/Reg	C	50	100	48.333720	48.238890	12.176080	0.013230	0.056710
2008	Catering Truck, Commuter/Reg	D	50	100	0.618940	0.248150	1.590770	0.722470	0.416470
2008	Catering Truck, Commuter/Reg	G	100	175	7.132540	2.232160	2.557500	0.297590	0.060000
2008	Catering Truck, Commuter/Reg	L	100	175	48.333720	3.289020	12.176080	0.013230	0.056710
2008	Catering Truck, Narrow Body	C	300	600	48.333720	48.238890	12.176080	0.013230	0.056710
2008	Catering Truck, Narrow Body	D	175	300	0.618940	0.248150	1.590770	0.722470	0.416470
2008	Catering Truck, Narrow Body	G	175	300	7.132540	2.232160	2.557500	0.297590	0.060000
2008	Catering Truck, Narrow Body	L	175	300	48.333720	3.289020	12.176080	0.013230	0.056710
2008	Catering Truck, Wide Body	C	300	600	48.333720	48.238890	12.176080	0.013230	0.056710
2008	Catering Truck, Wide Body	D	175	300	0.618940	0.248150	1.590770	0.722470	0.416470
2008	Catering Truck, Wide Body	G	175	300	7.132540	2.232160	2.557500	0.297590	0.060000
2008	Catering Truck, Wide Body	L	175	300	48.333720	3.289020	12.176080	0.013230	0.056710
2008	Deicer, Dual Engine	C	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
2008	Deicer, Dual Engine	D	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
2008	Deicer, Dual Engine	G	175	300	239.813720	10.785610	7.239520	0.175700	0.067980
2008	Deicer, Dual Engine	L	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
2008	Deicer, Single Engine	C	50	100	0.000000	0.000000	0.000000	0.000000	0.000000
2008	Deicer, Single Engine	D	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2008	Deicer, Single Engine	G	100	175	239.813720	10.785610	7.239520	0.175700	0.067980
2008	Deicer, Single Engine	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2008	Fork Lift	C	50	100	48.448770	48.413330	12.178970	0.013230	0.056820
2008	Fork Lift	D	50	100	3.720430	0.989150	6.395550	0.955140	0.746590
2008	Fork Lift	G	50	100	347.999800	13.406110	7.240080	0.174260	0.068020
2008	Fork Lift	L	50	100	48.448770	3.295070	12.178970	0.013230	0.056820
2008	Fuel Truck, Ground Equipment	C	300	600	48.294960	48.208970	12.175110	0.013230	0.056680
2008	Fuel Truck, Ground Equipment	D	175	300	0.750230	0.283970	2.859500	0.762490	0.284920
2008	Fuel Truck, Ground Equipment	G	175	300	8.029870	2.523340	2.903510	0.296050	0.060180
2008	Fuel Truck, Ground Equipment	L	175	300	48.294960	3.286980	12.175110	0.013230	0.056680
2008	Fuel Truck, Large, 8,000+ gal	D	300	600	0.750230	0.283970	2.859500	0.762490	0.284920
2008	Fuel Truck, MidSize, 3-6,000 g	C	300	600	48.294960	48.208970	12.175110	0.013230	0.056680
2008	Fuel Truck, MidSize, 3-6,000 g	D	175	300	0.750230	0.283970	2.859500	0.762490	0.284920
2008	Fuel Truck, MidSize, 3-6,000 g	G	300	600	8.029870	2.523340	2.903510	0.296050	0.060180
2008	Fuel Truck, MidSize, 3-6,000 g	L	300	600	48.294960	3.286980	12.175110	0.013230	0.056680
2008	Fuel Truck, Small, < 3,000 gal	C	300	600	48.294960	48.208970	12.175110	0.013230	0.056680
2008	Fuel Truck, Small, < 3,000 gal	D	175	300	0.750230	0.283970	2.859500	0.762490	0.284920
2008	Fuel Truck, Small, < 3,000 gal	G	300	600	8.029870	2.523340	2.903510	0.296050	0.060180
2008	Fuel Truck, Small, < 3,000 gal	L	300	600	48.294960	3.286980	12.175110	0.013230	0.056680
2008	Generator	C	100	175	0.000000	0.000000	0.000000	0.000000	0.000000

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Year	Type	Fuel	Min. Power	Max. Power	CO G/HPHR	HC G/HPHR	NOX G/HPHR	SOX G/HPHR	PM G/HPHR
2008	Generator	D	100	175	1.449340	0.430760	5.794650	0.811550	0.374320
2008	Generator	G	100	175	239.999860	9.899680	7.240080	0.175700	0.068020
2008	Generator	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2008	Ground Power Unit, 28VDC	C	50	100	0.000000	0.000000	0.000000	0.000000	0.000000
2008	Ground Power Unit, 28VDC	D	50	100	0.950960	0.317220	4.376080	0.812110	0.297920
2008	Ground Power Unit, 28VDC	G	100	175	239.851480	9.812200	7.239630	0.175700	0.067980
2008	Ground Power Unit, 28VDC	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2008	Ground Power Unit, 400 Hz	D	175	300	0.950960	0.317220	4.376080	0.812110	0.297920
2008	Hydrant Truck, Narrow Body	C	300	600	0.000000	0.000000	0.000000	0.000000	0.000000
2008	Hydrant Truck, Narrow Body	D	175	300	0.956340	0.331780	3.562570	0.779120	0.315380
2008	Hydrant Truck, Narrow Body	G	175	300	7.262790	2.156570	2.646450	0.297370	0.060020
2008	Hydrant Truck, Narrow Body	L	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
2008	Hydrant Truck, Wide Body	C	300	600	0.000000	0.000000	0.000000	0.000000	0.000000
2008	Hydrant Truck, Wide Body	D	175	300	0.956340	0.331780	3.562570	0.779120	0.315380
2008	Hydrant Truck, Wide Body	G	175	300	7.262790	2.156570	2.646450	0.297370	0.060020
2008	Hydrant Truck, Wide Body	L	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
2008	Lavatory Truck, Narrow Body	C	50	100	48.294960	48.208970	12.175110	0.013230	0.056680
2008	Lavatory Truck, Narrow Body	D	50	100	0.876250	0.314110	3.375920	0.775210	0.290620
2008	Lavatory Truck, Narrow Body	G	50	100	7.100120	2.071250	2.078210	0.297730	0.060000
2008	Lavatory Truck, Narrow Body	L	50	100	48.294960	3.286980	12.175110	0.013230	0.056680
2008	Lavatory Truck, Wide Body	C	300	600	48.294960	48.208970	12.175110	0.013230	0.056680
2008	Lavatory Truck, Wide Body	D	175	300	0.876250	0.314110	3.375920	0.775210	0.290620
2008	Lavatory Truck, Wide Body	G	175	300	7.100120	2.071250	2.078210	0.297730	0.060000
2008	Lavatory Truck, Wide Body	L	175	300	48.294960	3.286980	12.175110	0.013230	0.056680
2008	Lift	C	100	175	48.294960	48.294410	12.175110	0.013230	0.056680
2008	Lift	D	100	175	3.718950	0.988670	6.392970	0.955140	0.746020
2008	Lift	G	100	175	348.460930	12.915530	7.241030	0.174250	0.068090
2008	Lift	L	100	175	48.294960	3.286980	12.175110	0.013230	0.056680
2008	Other	C	0	9999	48.312040	48.307620	12.175540	0.013230	0.056690
2008	Other	D	0	9999	1.559880	0.349650	4.510440	0.820820	0.379240
2008	Other	G	0	9999	348.162770	12.857370	7.240410	0.174260	0.068040
2008	Other	L	0	9999	48.312040	3.287870	12.175540	0.013230	0.056690
2008	Passenger Stand	C	50	100	48.245930	48.171130	12.173870	0.013230	0.056630
2008	Passenger Stand	D	50	100	0.953400	0.331170	3.554800	0.778910	0.315190
2008	Passenger Stand	G	100	175	9.007430	3.642600	3.068760	0.294380	0.060400
2008	Passenger Stand	L	100	175	48.245930	3.284400	12.173870	0.013230	0.056630
2008	Service Truck	C	300	600	48.295790	48.209610	12.175130	0.013230	0.056680
2008	Service Truck	D	175	300	0.791210	0.294150	3.073700	0.768220	0.278360
2008	Service Truck	G	175	300	8.989130	3.165390	3.067960	0.294410	0.060390
2008	Service Truck	L	175	300	48.295790	3.287020	12.175130	0.013230	0.056680
2008	Sweeper	C	40	50	48.387010	48.365580	12.177420	0.013230	0.056760
2008	Sweeper	D	50	100	4.447510	0.655950	5.566630	0.910210	0.765540
2008	Sweeper	G	50	100	348.012340	13.291770	7.240100	0.174260	0.068020
2008	Sweeper	L	40	50	48.387010	3.291820	12.177420	0.013230	0.056760
2008	Water Service	C	300	600	0.000000	0.000000	0.000000	0.000000	0.000000
2008	Water Service	D	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
2008	Water Service	G	175	300	9.007440	3.090270	3.068760	0.294380	0.060400
2008	Water Service	L	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
2009	Air Conditioner, Narrow Body	D	175	300	0.929340	0.285950	3.869620	0.812260	0.295080
2009	Air Conditioner, Wide Body	D	175	300	0.929340	0.285950	3.869620	0.812260	0.295080
2009	Air Start	G	175	300	239.999890	11.790200	7.240080	0.175700	0.068020
2009	Air Start, 180 PPM	D	300	600	1.369340	0.272660	5.182040	0.812320	0.276710
2009	Air Start, 300 PPM	D	750	1000	1.369340	0.272660	5.182040	0.812320	0.276710
2009	Aircraft Tractor, Commuter/Reg	C	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2009	Aircraft Tractor, Commuter/Reg	D	50	100	1.358670	0.305540	4.242500	0.821030	0.325440
2009	Aircraft Tractor, Commuter/Reg	G	100	175	348.012550	12.770590	7.240100	0.174260	0.068020
2009	Aircraft Tractor, Commuter/Reg	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2009	Aircraft Tractor, Mid-Range	D	175	300	1.358670	0.305540	4.242500	0.821030	0.325440
2009	Aircraft Tractor, Narrow Body	C	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2009	Aircraft Tractor, Narrow Body	D	50	100	1.358670	0.305540	4.242500	0.821030	0.325440
2009	Aircraft Tractor, Narrow Body	G	100	175	348.012550	12.770590	7.240100	0.174260	0.068020
2009	Aircraft Tractor, Narrow Body	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2009	Aircraft Tractor, Wide Body	D	300	600	1.358670	0.305540	4.242500	0.821030	0.325440
2009	Aircraft Tug Towbarless Narrow	D	50	100	1.358670	0.305540	4.242500	0.821030	0.325440
2009	Aircraft Tug Towbarless Wide	D	600	750	1.358670	0.305540	4.242500	0.821030	0.325440
2009	Baggage Tractor, Commuter	C	50	100	48.376810	48.357690	12.177160	0.013230	0.056750
2009	Baggage Tractor, Commuter	D	50	100	3.844610	0.397050	4.399700	0.911480	0.533210
2009	Baggage Tractor, Commuter	G	100	175	347.957700	12.706720	7.239990	0.174260	0.068010

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Table F1

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Year	Type	Fuel	Min. Power	Max. Power	CO G/HPHR	HC G/HPHR	NOX G/HPHR	SOX G/HPHR	PM G/HPHR
2009	Baggage Tractor, Commuter	L	100	175	48.376810	3.291280	12.177160	0.013230	0.056750
2009	Baggage Tractor, Narrow Body	C	50	100	48.376810	48.357690	12.177160	0.013230	0.056750
2009	Baggage Tractor, Narrow Body	D	50	100	3.844610	0.397050	4.399700	0.911480	0.533210
2009	Baggage Tractor, Narrow Body	G	100	175	347.957700	12.706720	7.239990	0.174260	0.068010
2009	Baggage Tractor, Narrow Body	L	100	175	48.376810	3.291280	12.177160	0.013230	0.056750
2009	Baggage Tractor, Wide Body	C	50	100	48.376810	48.357690	12.177160	0.013230	0.056750
2009	Baggage Tractor, Wide Body	D	50	100	3.844610	0.397050	4.399700	0.911480	0.533210
2009	Baggage Tractor, Wide Body	G	100	175	347.957700	12.706720	7.239990	0.174260	0.068010
2009	Baggage Tractor, Wide Body	L	100	175	48.376810	3.291280	12.177160	0.013230	0.056750
2009	Belt Loader, Commuter	C	50	100	33.361250	37.196310	12.176980	0.013270	0.056750
2009	Belt Loader, Commuter	D	50	100	2.532790	0.410000	4.796540	0.902550	0.457970
2009	Belt Loader, Commuter	G	100	175	241.064050	10.025060	7.243270	0.175680	0.068250
2009	Belt Loader, Commuter	L	100	175	33.361250	2.536110	12.176980	0.013270	0.056750
2009	Belt Loader, Narrow Body	C	50	100	33.361250	37.196310	12.176980	0.013270	0.056750
2009	Belt Loader, Narrow Body	D	50	100	2.532790	0.410000	4.796540	0.902550	0.457970
2009	Belt Loader, Narrow Body	G	100	175	241.064050	10.025060	7.243270	0.175680	0.068250
2009	Belt Loader, Narrow Body	L	100	175	33.361250	2.536110	12.176980	0.013270	0.056750
2009	Belt Loader, Wide Body	C	50	100	33.361250	37.196310	12.176980	0.013270	0.056750
2009	Belt Loader, Wide Body	D	50	100	2.532790	0.410000	4.796540	0.902550	0.457970
2009	Belt Loader, Wide Body	G	100	175	241.064050	10.025060	7.243270	0.175680	0.068250
2009	Belt Loader, Wide Body	L	100	175	33.361250	2.536110	12.176980	0.013270	0.056750
2009	Bobtail	C	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2009	Bobtail	D	175	300	1.541170	0.332180	4.274500	0.820900	0.380780
2009	Bobtail	G	100	175	349.206730	12.711590	7.242580	0.174240	0.068200
2009	Bobtail	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2009	Cabin Service Truck, Comm/Reg	C	50	100	48.333730	48.238890	12.176080	0.013230	0.056710
2009	Cabin Service Truck, Comm/Reg	D	50	100	0.484770	0.214920	1.078530	0.682170	0.551190
2009	Cabin Service Truck, Comm/Reg	G	100	175	7.117530	2.035850	2.196110	0.297690	0.060000
2009	Cabin Service Truck, Comm/Reg	L	100	175	48.333730	3.289020	12.176080	0.013230	0.056710
2009	Cabin Service Truck, Narrow	C	300	600	48.333730	48.238890	12.176080	0.013230	0.056710
2009	Cabin Service Truck, Narrow	D	175	300	0.484770	0.214920	1.078530	0.682170	0.551190
2009	Cabin Service Truck, Narrow	G	175	300	7.117530	2.035850	2.196110	0.297690	0.060000
2009	Cabin Service Truck, Narrow	L	175	300	48.333730	3.289020	12.176080	0.013230	0.056710
2009	Cabin Service Truck, Wide Body	C	300	600	48.333730	48.238890	12.176080	0.013230	0.056710
2009	Cabin Service Truck, Wide Body	D	175	300	0.484770	0.214920	1.078530	0.682170	0.551190
2009	Cabin Service Truck, Wide Body	G	175	300	7.117530	2.035850	2.196110	0.297690	0.060000
2009	Cabin Service Truck, Wide Body	L	175	300	48.333730	3.289020	12.176080	0.013230	0.056710
2009	Cargo Loader, Narrow Body	C	50	100	48.294960	48.294420	12.175110	0.013230	0.056680
2009	Cargo Loader, Narrow Body	D	50	100	2.521570	0.721410	4.839560	0.956450	0.610000
2009	Cargo Loader, Narrow Body	G	100	175	349.347930	12.941040	7.242870	0.174240	0.068220
2009	Cargo Loader, Narrow Body	L	100	175	48.294960	3.286980	12.175110	0.013230	0.056680
2009	Cargo Loader, Wide, Lower Lobe	C	50	100	48.294960	48.294420	12.175110	0.013230	0.056680
2009	Cargo Loader, Wide, Lower Lobe	D	50	100	2.521570	0.721410	4.839560	0.956450	0.610000
2009	Cargo Loader, Wide, Lower Lobe	G	100	175	349.347930	12.941040	7.242870	0.174240	0.068220
2009	Cargo Loader, Wide, Lower Lobe	L	100	175	48.294960	3.286980	12.175110	0.013230	0.056680
2009	Cargo Loader, Wide, Main Deck	D	100	175	2.521570	0.721410	4.839560	0.956450	0.610000
2009	Cargo Tractor	C	50	100	48.370980	48.353190	12.177020	0.013230	0.056750
2009	Cargo Tractor	D	50	100	4.336780	0.605230	5.327900	0.910460	0.733280
2009	Cargo Tractor	G	100	175	351.244580	12.809150	7.246800	0.174220	0.068510
2009	Cargo Tractor	L	100	175	48.370980	3.290980	12.177020	0.013230	0.056750
2009	Cart	C	25	40	0.000000	0.000000	0.000000	0.000000	0.000000
2009	Cart	D	25	40	0.000000	0.000000	0.000000	0.000000	0.000000
2009	Cart	G	25	40	347.999820	18.636850	7.240080	0.174260	0.068020
2009	Cart	L	25	40	0.000000	0.000000	0.000000	0.000000	0.000000
2009	Catering Truck, Commuter/Reg	C	50	100	48.333730	48.238890	12.176080	0.013230	0.056710
2009	Catering Truck, Commuter/Reg	D	50	100	0.484770	0.214920	1.078530	0.682170	0.551190
2009	Catering Truck, Commuter/Reg	G	100	175	7.117530	2.035850	2.196110	0.297690	0.060000
2009	Catering Truck, Commuter/Reg	L	100	175	48.333730	3.289020	12.176080	0.013230	0.056710
2009	Catering Truck, Narrow Body	C	300	600	48.333730	48.238890	12.176080	0.013230	0.056710
2009	Catering Truck, Narrow Body	D	175	300	0.484770	0.214920	1.078530	0.682170	0.551190
2009	Catering Truck, Narrow Body	G	175	300	7.117530	2.035850	2.196110	0.297690	0.060000
2009	Catering Truck, Narrow Body	L	175	300	48.333730	3.289020	12.176080	0.013230	0.056710
2009	Catering Truck, Wide Body	C	300	600	48.333730	48.238890	12.176080	0.013230	0.056710
2009	Catering Truck, Wide Body	D	175	300	0.484770	0.214920	1.078530	0.682170	0.551190
2009	Catering Truck, Wide Body	G	175	300	7.117530	2.035850	2.196110	0.297690	0.060000
2009	Catering Truck, Wide Body	L	175	300	48.333730	3.289020	12.176080	0.013230	0.056710
2009	Deicer, Dual Engine	C	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
2009	Deicer, Dual Engine	D	175	300	0.000000	0.000000	0.000000	0.000000	0.000000

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Year	Type	Fuel	Min. Power	Max. Power	CO G/HPHR	HC G/HPHR	NOX G/HPHR	SOX G/HPHR	PM G/HPHR
2009	Deicer, Dual Engine	G	175	300	239.813730	10.782650	7.239520	0.175700	0.067980
2009	Deicer, Dual Engine	L	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
2009	Deicer, Single Engine	C	50	100	0.000000	0.000000	0.000000	0.000000	0.000000
2009	Deicer, Single Engine	D	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2009	Deicer, Single Engine	G	100	175	239.813730	10.782650	7.239520	0.175700	0.067980
2009	Deicer, Single Engine	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2009	Fork Lift	C	50	100	48.448770	48.413330	12.178970	0.013230	0.056820
2009	Fork Lift	D	50	100	3.442540	0.917030	5.994020	0.955490	0.721290
2009	Fork Lift	G	50	100	347.999830	13.403710	7.240080	0.174260	0.068020
2009	Fork Lift	L	50	100	48.448770	3.295070	12.178970	0.013230	0.056820
2009	Fuel Truck, Ground Equipment	C	300	600	48.294960	48.208970	12.175110	0.013230	0.056680
2009	Fuel Truck, Ground Equipment	D	175	300	0.670690	0.263500	2.429080	0.738950	0.362780
2009	Fuel Truck, Ground Equipment	G	175	300	7.789730	2.352050	2.604860	0.296520	0.060130
2009	Fuel Truck, Ground Equipment	L	175	300	48.294960	3.286980	12.175110	0.013230	0.056680
2009	Fuel Truck, Large, 8,000+ gal	D	300	600	0.670690	0.263500	2.429080	0.738950	0.362780
2009	Fuel Truck, MidSize, 3-6,000 g	C	300	600	48.294960	48.208970	12.175110	0.013230	0.056680
2009	Fuel Truck, MidSize, 3-6,000 g	D	175	300	0.670690	0.263500	2.429080	0.738950	0.362780
2009	Fuel Truck, MidSize, 3-6,000 g	G	300	600	7.789730	2.352050	2.604860	0.296520	0.060130
2009	Fuel Truck, MidSize, 3-6,000 g	L	300	600	48.294960	3.286980	12.175110	0.013230	0.056680
2009	Fuel Truck, Small, < 3,000 gal	C	300	600	48.294960	48.208970	12.175110	0.013230	0.056680
2009	Fuel Truck, Small, < 3,000 gal	D	175	300	0.670690	0.263500	2.429080	0.738950	0.362780
2009	Fuel Truck, Small, < 3,000 gal	G	300	600	7.789730	2.352050	2.604860	0.296520	0.060130
2009	Fuel Truck, Small, < 3,000 gal	L	300	600	48.294960	3.286980	12.175110	0.013230	0.056680
2009	Generator	C	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2009	Generator	D	100	175	1.341360	0.399100	5.431240	0.811710	0.362120
2009	Generator	G	100	175	239.999850	9.899160	7.240080	0.175700	0.068020
2009	Generator	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2009	Ground Power Unit, 28VDC	C	50	100	0.000000	0.000000	0.000000	0.000000	0.000000
2009	Ground Power Unit, 28VDC	D	50	100	0.940320	0.293010	4.015860	0.812230	0.299230
2009	Ground Power Unit, 28VDC	G	100	175	239.851470	9.811900	7.239630	0.175700	0.067980
2009	Ground Power Unit, 28VDC	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2009	Ground Power Unit, 400 Hz	D	175	300	0.940320	0.293010	4.015860	0.812230	0.299230
2009	Hydrant Truck, Narrow Body	C	300	600	0.000000	0.000000	0.000000	0.000000	0.000000
2009	Hydrant Truck, Narrow Body	D	175	300	0.869480	0.310900	3.244960	0.763310	0.349890
2009	Hydrant Truck, Narrow Body	G	175	300	7.168620	1.964220	2.297270	0.297610	0.060000
2009	Hydrant Truck, Narrow Body	L	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
2009	Hydrant Truck, Wide Body	C	300	600	0.000000	0.000000	0.000000	0.000000	0.000000
2009	Hydrant Truck, Wide Body	D	175	300	0.869480	0.310900	3.244960	0.763310	0.349890
2009	Hydrant Truck, Wide Body	G	175	300	7.168620	1.964220	2.297270	0.297610	0.060000
2009	Hydrant Truck, Wide Body	L	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
2009	Lavatory Truck, Narrow Body	C	50	100	48.294960	48.208970	12.175110	0.013230	0.056680
2009	Lavatory Truck, Narrow Body	D	50	100	0.795640	0.294360	3.028180	0.757460	0.337280
2009	Lavatory Truck, Narrow Body	G	50	100	7.100110	1.824000	1.621040	0.297860	0.060000
2009	Lavatory Truck, Narrow Body	L	50	100	48.294960	3.286980	12.175110	0.013230	0.056680
2009	Lavatory Truck, Wide Body	C	300	600	48.294960	48.208970	12.175110	0.013230	0.056680
2009	Lavatory Truck, Wide Body	D	175	300	0.795640	0.294360	3.028180	0.757460	0.337280
2009	Lavatory Truck, Wide Body	G	175	300	7.100110	1.824000	1.621040	0.297860	0.060000
2009	Lavatory Truck, Wide Body	L	175	300	48.294960	3.286980	12.175110	0.013230	0.056680
2009	Lift	C	100	175	48.294960	48.294420	12.175110	0.013230	0.056680
2009	Lift	D	100	175	3.440980	0.916530	5.991330	0.955500	0.720710
2009	Lift	G	100	175	348.460910	12.914500	7.241030	0.174250	0.068090
2009	Lift	L	100	175	48.294960	3.286980	12.175110	0.013230	0.056680
2009	Other	C	0	9999	48.312040	48.307620	12.175540	0.013230	0.056690
2009	Other	D	0	9999	1.520570	0.327950	4.207570	0.820920	0.377410
2009	Other	G	0	9999	348.162780	12.856490	7.240410	0.174260	0.068040
2009	Other	L	0	9999	48.312040	3.287870	12.175540	0.013230	0.056690
2009	Passenger Stand	C	50	100	48.245940	48.171130	12.173880	0.013230	0.056630
2009	Passenger Stand	D	50	100	0.867360	0.310450	3.235140	0.763000	0.350360
2009	Passenger Stand	G	100	175	8.630900	3.482540	2.804370	0.295060	0.060320
2009	Passenger Stand	L	100	175	48.245940	3.284400	12.173880	0.013230	0.056630
2009	Service Truck	C	300	600	48.295800	48.209610	12.175130	0.013230	0.056680
2009	Service Truck	D	175	300	0.710340	0.273910	2.679810	0.747050	0.342840
2009	Service Truck	G	175	300	8.612490	3.006590	2.803500	0.295100	0.060310
2009	Service Truck	L	175	300	48.295800	3.287020	12.175130	0.013230	0.056680
2009	Sweeper	C	40	50	48.387030	48.365590	12.177420	0.013230	0.056760
2009	Sweeper	D	50	100	4.336680	0.605220	5.327880	0.910460	0.733230
2009	Sweeper	G	50	100	348.012300	13.289690	7.240100	0.174260	0.068020
2009	Sweeper	L	40	50	48.387030	3.291820	12.177420	0.013230	0.056760

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Table F1

Ground Support Equipment Emission Indices

Year	Type	Fuel	Min. Power	Max. Power	CO G/HPHR	HC G/HPHR	NOX G/HPHR	SOX G/HPHR	PM G/HPHR
2009	Water Service	C	300	600	0.000000	0.000000	0.000000	0.000000	0.000000
2009	Water Service	D	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
2009	Water Service	G	175	300	8.630900	2.931720	2.804370	0.295060	0.060320
2009	Water Service	L	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
2010	Air Conditioner, Narrow Body	D	175	300	0.925090	0.262040	3.589790	0.812380	0.302610
2010	Air Conditioner, Wide Body	D	175	300	0.925090	0.262040	3.589790	0.812380	0.302610
2010	Air Start	G	175	300	239.999860	11.790200	7.240080	0.175700	0.068020
2010	Air Start, 180 PPM	D	300	600	1.267210	0.247460	4.847730	0.812450	0.261500
2010	Air Start, 300 PPM	D	750	1000	1.267210	0.247460	4.847730	0.812450	0.261500
2010	Aircraft Tractor, Commuter/Reg	C	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2010	Aircraft Tractor, Commuter/Reg	D	50	100	1.322470	0.289100	3.986080	0.821110	0.315300
2010	Aircraft Tractor, Commuter/Reg	G	100	175	348.012590	12.770600	7.240100	0.174260	0.068020
2010	Aircraft Tractor, Commuter/Reg	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2010	Aircraft Tractor, Mid-Range	D	175	300	1.322470	0.289100	3.986080	0.821110	0.315300
2010	Aircraft Tractor, Narrow Body	C	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2010	Aircraft Tractor, Narrow Body	D	50	100	1.322470	0.289100	3.986080	0.821110	0.315300
2010	Aircraft Tractor, Narrow Body	G	100	175	348.012590	12.770600	7.240100	0.174260	0.068020
2010	Aircraft Tractor, Narrow Body	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2010	Aircraft Tractor, Wide Body	D	300	600	1.322470	0.289100	3.986080	0.821110	0.315300
2010	Aircraft Tug Towbarless Narrow	D	50	100	1.322470	0.289100	3.986080	0.821110	0.315300
2010	Aircraft Tug Towbarless Wide	D	600	750	1.322470	0.289100	3.986080	0.821110	0.315300
2010	Baggage Tractor, Commuter	C	50	100	48.376820	48.357700	12.177160	0.013230	0.056750
2010	Baggage Tractor, Commuter	D	50	100	3.842930	0.349510	4.112700	0.911720	0.518100
2010	Baggage Tractor, Commuter	G	100	175	347.957670	12.706720	7.239990	0.174260	0.068010
2010	Baggage Tractor, Commuter	L	100	175	48.376820	3.291280	12.177160	0.013230	0.056750
2010	Baggage Tractor, Narrow Body	C	50	100	48.376820	48.357700	12.177160	0.013230	0.056750
2010	Baggage Tractor, Narrow Body	D	50	100	3.842930	0.349510	4.112700	0.911720	0.518100
2010	Baggage Tractor, Narrow Body	G	100	175	347.957670	12.706720	7.239990	0.174260	0.068010
2010	Baggage Tractor, Narrow Body	L	100	175	48.376820	3.291280	12.177160	0.013230	0.056750
2010	Baggage Tractor, Wide Body	C	50	100	48.376820	48.357700	12.177160	0.013230	0.056750
2010	Baggage Tractor, Wide Body	D	50	100	3.842930	0.349510	4.112700	0.911720	0.518100
2010	Baggage Tractor, Wide Body	G	100	175	347.957670	12.706720	7.239990	0.174260	0.068010
2010	Baggage Tractor, Wide Body	L	100	175	48.376820	3.291280	12.177160	0.013230	0.056750
2010	Belt Loader, Commuter	C	50	100	33.361250	37.196310	12.176980	0.013270	0.056750
2010	Belt Loader, Commuter	D	50	100	2.525180	0.366140	4.517100	0.902770	0.445670
2010	Belt Loader, Commuter	G	100	175	241.064090	10.025060	7.243270	0.175680	0.068250
2010	Belt Loader, Commuter	L	100	175	33.361250	2.536110	12.176980	0.013270	0.056750
2010	Belt Loader, Narrow Body	C	50	100	33.361250	37.196310	12.176980	0.013270	0.056750
2010	Belt Loader, Narrow Body	D	50	100	2.525180	0.366140	4.517100	0.902770	0.445670
2010	Belt Loader, Narrow Body	G	100	175	241.064090	10.025060	7.243270	0.175680	0.068250
2010	Belt Loader, Narrow Body	L	100	175	33.361250	2.536110	12.176980	0.013270	0.056750
2010	Belt Loader, Wide Body	C	50	100	33.361250	37.196310	12.176980	0.013270	0.056750
2010	Belt Loader, Wide Body	D	50	100	2.525180	0.366140	4.517100	0.902770	0.445670
2010	Belt Loader, Wide Body	G	100	175	241.064090	10.025060	7.243270	0.175680	0.068250
2010	Belt Loader, Wide Body	L	100	175	33.361250	2.536110	12.176980	0.013270	0.056750
2010	Bobtail	C	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2010	Bobtail	D	175	300	1.508920	0.312060	3.998330	0.821000	0.380030
2010	Bobtail	G	100	175	349.206760	12.711590	7.242580	0.174240	0.068200
2010	Bobtail	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2010	Cabin Service Truck, Comm/Reg	C	50	100	48.333730	48.238890	12.176080	0.013230	0.056710
2010	Cabin Service Truck, Comm/Reg	D	50	100	0.359960	0.185170	0.747880	0.646130	0.670790
2010	Cabin Service Truck, Comm/Reg	G	100	175	7.108820	1.847260	1.847620	0.297780	0.060000
2010	Cabin Service Truck, Comm/Reg	L	100	175	48.333730	3.289020	12.176080	0.013230	0.056710
2010	Cabin Service Truck, Narrow	C	300	600	48.333730	48.238890	12.176080	0.013230	0.056710
2010	Cabin Service Truck, Narrow	D	175	300	0.359960	0.185170	0.747880	0.646130	0.670790
2010	Cabin Service Truck, Narrow	G	175	300	7.108820	1.847260	1.847620	0.297780	0.060000
2010	Cabin Service Truck, Narrow	L	175	300	48.333730	3.289020	12.176080	0.013230	0.056710
2010	Cabin Service Truck, Wide Body	C	300	600	48.333730	48.238890	12.176080	0.013230	0.056710
2010	Cabin Service Truck, Wide Body	D	175	300	0.359960	0.185170	0.747880	0.646130	0.670790
2010	Cabin Service Truck, Wide Body	G	175	300	7.108820	1.847260	1.847620	0.297780	0.060000
2010	Cabin Service Truck, Wide Body	L	175	300	48.333730	3.289020	12.176080	0.013230	0.056710
2010	Cargo Loader, Narrow Body	C	50	100	48.294960	48.294410	12.175110	0.013230	0.056680
2010	Cargo Loader, Narrow Body	D	50	100	2.478860	0.676260	4.508130	0.956670	0.608380
2010	Cargo Loader, Narrow Body	G	100	175	349.347960	12.941050	7.242870	0.174240	0.068220
2010	Cargo Loader, Narrow Body	L	100	175	48.294960	3.286980	12.175110	0.013230	0.056680
2010	Cargo Loader, Wide, Lower Lobe	C	50	100	48.294960	48.294410	12.175110	0.013230	0.056680
2010	Cargo Loader, Wide, Lower Lobe	D	50	100	2.478860	0.676260	4.508130	0.956670	0.608380
2010	Cargo Loader, Wide, Lower Lobe	G	100	175	349.347960	12.941050	7.242870	0.174240	0.068220

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Year	Type	Fuel	Min. Power	Max. Power	CO G/HPHR	HC G/HPHR	NOX G/HPHR	SOX G/HPHR	PM G/HPHR
2010	Cargo Loader, Wide, Lower Lobe	L	100	175	48.294960	3.286980	12.175110	0.013230	0.056680
2010	Cargo Loader, Wide, Main Deck	D	100	175	2.478860	0.676260	4.508130	0.956670	0.608380
2010	Cargo Tractor	C	50	100	48.370980	48.353190	12.177020	0.013230	0.056750
2010	Cargo Tractor	D	50	100	4.233050	0.554520	5.086960	0.910710	0.701400
2010	Cargo Tractor	G	100	175	351.244630	12.809150	7.246800	0.174220	0.068510
2010	Cargo Tractor	L	100	175	48.370980	3.290980	12.177020	0.013230	0.056750
2010	Cart	C	25	40	0.000000	0.000000	0.000000	0.000000	0.000000
2010	Cart	D	25	40	0.000000	0.000000	0.000000	0.000000	0.000000
2010	Cart	G	25	40	347.999800	18.636850	7.240080	0.174260	0.068020
2010	Cart	L	25	40	0.000000	0.000000	0.000000	0.000000	0.000000
2010	Catering Truck, Commuter/Reg	C	50	100	48.333730	48.238890	12.176080	0.013230	0.056710
2010	Catering Truck, Commuter/Reg	D	50	100	0.359960	0.185170	0.747880	0.646130	0.670790
2010	Catering Truck, Commuter/Reg	G	100	175	7.108820	1.847260	1.847620	0.297780	0.060000
2010	Catering Truck, Commuter/Reg	L	100	175	48.333730	3.289020	12.176080	0.013230	0.056710
2010	Catering Truck, Narrow Body	C	300	600	48.333730	48.238890	12.176080	0.013230	0.056710
2010	Catering Truck, Narrow Body	D	175	300	0.359960	0.185170	0.747880	0.646130	0.670790
2010	Catering Truck, Narrow Body	G	175	300	7.108820	1.847260	1.847620	0.297780	0.060000
2010	Catering Truck, Narrow Body	L	175	300	48.333730	3.289020	12.176080	0.013230	0.056710
2010	Catering Truck, Wide Body	C	300	600	48.333730	48.238890	12.176080	0.013230	0.056710
2010	Catering Truck, Wide Body	D	175	300	0.359960	0.185170	0.747880	0.646130	0.670790
2010	Catering Truck, Wide Body	G	175	300	7.108820	1.847260	1.847620	0.297780	0.060000
2010	Catering Truck, Wide Body	L	175	300	48.333730	3.289020	12.176080	0.013230	0.056710
2010	Deicer, Dual Engine	C	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
2010	Deicer, Dual Engine	D	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
2010	Deicer, Dual Engine	G	175	300	239.813720	10.782650	7.239520	0.175700	0.067980
2010	Deicer, Dual Engine	L	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
2010	Deicer, Single Engine	C	50	100	0.000000	0.000000	0.000000	0.000000	0.000000
2010	Deicer, Single Engine	D	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2010	Deicer, Single Engine	G	100	175	239.813720	10.782650	7.239520	0.175700	0.067980
2010	Deicer, Single Engine	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2010	Fork Lift	C	50	100	48.448760	48.413330	12.178970	0.013230	0.056820
2010	Fork Lift	D	50	100	3.173920	0.847220	5.606640	0.955840	0.698070
2010	Fork Lift	G	50	100	347.999770	13.403710	7.240080	0.174260	0.068020
2010	Fork Lift	L	50	100	48.448760	3.295070	12.178970	0.013230	0.056820
2010	Fuel Truck, Ground Equipment	C	300	600	48.294960	48.208970	12.175110	0.013230	0.056680
2010	Fuel Truck, Ground Equipment	D	175	300	0.594200	0.244010	2.015400	0.716230	0.438070
2010	Fuel Truck, Ground Equipment	G	175	300	7.605220	2.189970	2.317860	0.296890	0.060100
2010	Fuel Truck, Ground Equipment	L	175	300	48.294960	3.286980	12.175110	0.013230	0.056680
2010	Fuel Truck, Large, 8,000+ gal	D	300	600	0.594200	0.244010	2.015400	0.716230	0.438070
2010	Fuel Truck, MidSize, 3-6,000 g	C	300	600	48.294960	48.208970	12.175110	0.013230	0.056680
2010	Fuel Truck, MidSize, 3-6,000 g	D	175	300	0.594200	0.244010	2.015400	0.716230	0.438070
2010	Fuel Truck, MidSize, 3-6,000 g	G	300	600	7.605220	2.189970	2.317860	0.296890	0.060100
2010	Fuel Truck, MidSize, 3-6,000 g	L	300	600	48.294960	3.286980	12.175110	0.013230	0.056680
2010	Fuel Truck, Small, < 3,000 gal	C	300	600	48.294960	48.208970	12.175110	0.013230	0.056680
2010	Fuel Truck, Small, < 3,000 gal	D	175	300	0.594200	0.244010	2.015400	0.716230	0.438070
2010	Fuel Truck, Small, < 3,000 gal	G	300	600	7.605220	2.189970	2.317860	0.296890	0.060100
2010	Fuel Truck, Small, < 3,000 gal	L	300	600	48.294960	3.286980	12.175110	0.013230	0.056680
2010	Generator	C	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2010	Generator	D	100	175	1.236980	0.368460	5.080640	0.811860	0.350950
2010	Generator	G	100	175	239.999820	9.899160	7.240080	0.175700	0.068020
2010	Generator	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2010	Ground Power Unit, 28VDC	C	50	100	0.000000	0.000000	0.000000	0.000000	0.000000
2010	Ground Power Unit, 28VDC	D	50	100	0.933310	0.270640	3.696530	0.812340	0.301770
2010	Ground Power Unit, 28VDC	G	100	175	239.851480	9.811900	7.239630	0.175700	0.067980
2010	Ground Power Unit, 28VDC	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2010	Ground Power Unit, 400 Hz	D	175	300	0.933310	0.270640	3.696530	0.812340	0.301770
2010	Hydrant Truck, Narrow Body	C	300	600	0.000000	0.000000	0.000000	0.000000	0.000000
2010	Hydrant Truck, Narrow Body	D	175	300	0.793070	0.292390	2.931920	0.747490	0.388960
2010	Hydrant Truck, Narrow Body	G	175	300	7.124680	1.781710	1.961840	0.297750	0.060000
2010	Hydrant Truck, Narrow Body	L	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
2010	Hydrant Truck, Wide Body	C	300	600	0.000000	0.000000	0.000000	0.000000	0.000000
2010	Hydrant Truck, Wide Body	D	175	300	0.793070	0.292390	2.931920	0.747490	0.388960
2010	Hydrant Truck, Wide Body	G	175	300	7.124680	1.781710	1.961840	0.297750	0.060000
2010	Hydrant Truck, Wide Body	L	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
2010	Lavatory Truck, Narrow Body	C	50	100	48.294960	48.208970	12.175110	0.013230	0.056680
2010	Lavatory Truck, Narrow Body	D	50	100	0.721130	0.276000	2.694750	0.740320	0.384320
2010	Lavatory Truck, Narrow Body	G	50	100	7.100110	1.595560	1.194600	0.297970	0.060000
2010	Lavatory Truck, Narrow Body	L	50	100	48.294960	3.286980	12.175110	0.013230	0.056680

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Year	Type	Fuel	Min. Power	Max. Power	CO G/HPHR	HC G/HPHR	NOX G/HPHR	SOX G/HPHR	PM G/HPHR
2010	Lavatory Truck, Wide Body	C	300	600	48.294960	48.208970	12.175110	0.013230	0.056680
2010	Lavatory Truck, Wide Body	D	175	300	0.721130	0.276000	2.694750	0.740320	0.384320
2010	Lavatory Truck, Wide Body	G	175	300	7.100110	1.595560	1.194600	0.297970	0.060000
2010	Lavatory Truck, Wide Body	L	175	300	48.294960	3.286980	12.175110	0.013230	0.056680
2010	Lift	C	100	175	48.294960	48.294420	12.175110	0.013230	0.056680
2010	Lift	D	100	175	3.172280	0.846710	5.603840	0.955840	0.697490
2010	Lift	G	100	175	348.460910	12.914500	7.241030	0.174250	0.068090
2010	Lift	L	100	175	48.294960	3.286980	12.175110	0.013230	0.056680
2010	Other	C	0	9999	48.312040	48.307620	12.175540	0.013230	0.056690
2010	Other	D	0	9999	1.491370	0.307860	3.924840	0.821020	0.376500
2010	Other	G	0	9999	348.162740	12.856490	7.240410	0.174260	0.068040
2010	Other	L	0	9999	48.312040	3.287870	12.175540	0.013230	0.056690
2010	Passenger Stand	C	50	100	48.245930	48.171130	12.173870	0.013230	0.056630
2010	Passenger Stand	D	50	100	0.790470	0.291830	2.920120	0.747080	0.389680
2010	Passenger Stand	G	100	175	8.317230	3.333550	2.548950	0.295650	0.060250
2010	Passenger Stand	L	100	175	48.245930	3.284400	12.173870	0.013230	0.056630
2010	Service Truck	C	300	600	48.295790	48.209610	12.175130	0.013230	0.056680
2010	Service Truck	D	175	300	0.635730	0.255130	2.302160	0.726600	0.407220
2010	Service Truck	G	175	300	8.298740	2.857560	2.548000	0.295680	0.060250
2010	Service Truck	L	175	300	48.295790	3.287020	12.175130	0.013230	0.056680
2010	Sweeper	C	40	50	48.387020	48.365590	12.177420	0.013230	0.056760
2010	Sweeper	D	50	100	4.232960	0.554510	5.086940	0.910710	0.701350
2010	Sweeper	G	50	100	348.012230	13.289680	7.240100	0.174260	0.068020
2010	Sweeper	L	40	50	48.387020	3.291820	12.177420	0.013230	0.056760
2010	Water Service	C	300	600	0.000000	0.000000	0.000000	0.000000	0.000000
2010	Water Service	D	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
2010	Water Service	G	175	300	8.317230	2.782730	2.548950	0.295650	0.060250
2010	Water Service	L	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
2011	Air Conditioner, Narrow Body	D	175	300	0.927170	0.240590	3.353100	0.812480	0.311680
2011	Air Conditioner, Wide Body	D	175	300	0.927170	0.240590	3.353100	0.812480	0.311680
2011	Air Start	G	175	300	239.999880	11.790200	7.240080	0.175700	0.068020
2011	Air Start, 180 PPM	D	300	600	1.189380	0.229620	4.557610	0.812540	0.250700
2011	Air Start, 300 PPM	D	750	1000	1.189380	0.229620	4.557610	0.812540	0.250700
2011	Aircraft Tractor, Commuter/Reg	C	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2011	Aircraft Tractor, Commuter/Reg	D	50	100	1.295760	0.274400	3.751120	0.821190	0.306980
2011	Aircraft Tractor, Commuter/Reg	G	100	175	348.012580	12.770600	7.240100	0.174260	0.068020
2011	Aircraft Tractor, Commuter/Reg	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2011	Aircraft Tractor, Mid-Range	D	175	300	1.295760	0.274400	3.751120	0.821190	0.306980
2011	Aircraft Tractor, Narrow Body	C	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2011	Aircraft Tractor, Narrow Body	D	50	100	1.295760	0.274400	3.751120	0.821190	0.306980
2011	Aircraft Tractor, Narrow Body	G	100	175	348.012580	12.770600	7.240100	0.174260	0.068020
2011	Aircraft Tractor, Narrow Body	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2011	Aircraft Tractor, Wide Body	D	300	600	1.295760	0.274400	3.751120	0.821190	0.306980
2011	Aircraft Tug Towbarless Narrow	D	50	100	1.295760	0.274400	3.751120	0.821190	0.306980
2011	Aircraft Tug Towbarless Wide	D	600	750	1.295760	0.274400	3.751120	0.821190	0.306980
2011	Baggage Tractor, Commuter	C	50	100	48.376810	48.357690	12.177160	0.013230	0.056750
2011	Baggage Tractor, Commuter	D	50	100	3.847340	0.312130	3.880510	0.911900	0.522210
2011	Baggage Tractor, Commuter	G	100	175	347.957630	12.706720	7.239990	0.174260	0.068010
2011	Baggage Tractor, Commuter	L	100	175	48.376810	3.291280	12.177160	0.013230	0.056750
2011	Baggage Tractor, Narrow Body	C	50	100	48.376810	48.357690	12.177160	0.013230	0.056750
2011	Baggage Tractor, Narrow Body	D	50	100	3.847340	0.312130	3.880510	0.911900	0.522210
2011	Baggage Tractor, Narrow Body	G	100	175	347.957630	12.706720	7.239990	0.174260	0.068010
2011	Baggage Tractor, Narrow Body	L	100	175	48.376810	3.291280	12.177160	0.013230	0.056750
2011	Baggage Tractor, Wide Body	C	50	100	48.376810	48.357690	12.177160	0.013230	0.056750
2011	Baggage Tractor, Wide Body	D	50	100	3.847340	0.312130	3.880510	0.911900	0.522210
2011	Baggage Tractor, Wide Body	G	100	175	347.957630	12.706720	7.239990	0.174260	0.068010
2011	Baggage Tractor, Wide Body	L	100	175	48.376810	3.291280	12.177160	0.013230	0.056750
2011	Belt Loader, Commuter	C	50	100	33.361250	37.196310	12.176980	0.013270	0.056750
2011	Belt Loader, Commuter	D	50	100	2.523210	0.325920	4.255890	0.902960	0.436200
2011	Belt Loader, Commuter	G	100	175	241.064100	10.025060	7.243270	0.175680	0.068250
2011	Belt Loader, Commuter	L	100	175	33.361250	2.536110	12.176980	0.013270	0.056750
2011	Belt Loader, Narrow Body	C	50	100	33.361250	37.196310	12.176980	0.013270	0.056750
2011	Belt Loader, Narrow Body	D	50	100	2.523210	0.325920	4.255890	0.902960	0.436200
2011	Belt Loader, Narrow Body	G	100	175	241.064100	10.025060	7.243270	0.175680	0.068250
2011	Belt Loader, Narrow Body	L	100	175	33.361250	2.536110	12.176980	0.013270	0.056750
2011	Belt Loader, Wide Body	C	50	100	33.361250	37.196310	12.176980	0.013270	0.056750
2011	Belt Loader, Wide Body	D	50	100	2.523210	0.325920	4.255890	0.902960	0.436200
2011	Belt Loader, Wide Body	G	100	175	241.064100	10.025060	7.243270	0.175680	0.068250

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Table F1

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Year	Type	Fuel	Min. Power	Max. Power	CO G/HPHR	HC G/HPHR	NOX G/HPHR	SOX G/HPHR	PM G/HPHR
2011	Belt Loader, Wide Body	L	100	175	33.361250	2.536110	12.176980	0.013270	0.056750
2011	Bobtail	C	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2011	Bobtail	D	175	300	1.485800	0.293870	3.743700	0.821090	0.379790
2011	Bobtail	G	100	175	349.206730	12.711590	7.242580	0.174240	0.068200
2011	Bobtail	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2011	Cabin Service Truck, Comm/Reg	C	50	100	48.333730	48.238890	12.176080	0.013230	0.056710
2011	Cabin Service Truck, Comm/Reg	D	50	100	0.246360	0.158650	0.468180	0.614120	0.776230
2011	Cabin Service Truck, Comm/Reg	G	100	175	7.100120	1.665550	1.511790	0.297880	0.060000
2011	Cabin Service Truck, Comm/Reg	L	100	175	48.333730	3.289020	12.176080	0.013230	0.056710
2011	Cabin Service Truck, Narrow	C	300	600	48.333730	48.238890	12.176080	0.013230	0.056710
2011	Cabin Service Truck, Narrow	D	175	300	0.246360	0.158650	0.468180	0.614120	0.776230
2011	Cabin Service Truck, Narrow	G	175	300	7.100120	1.665550	1.511790	0.297880	0.060000
2011	Cabin Service Truck, Narrow	L	175	300	48.333730	3.289020	12.176080	0.013230	0.056710
2011	Cabin Service Truck, Wide Body	C	300	600	48.333730	48.238890	12.176080	0.013230	0.056710
2011	Cabin Service Truck, Wide Body	D	175	300	0.246360	0.158650	0.468180	0.614120	0.776230
2011	Cabin Service Truck, Wide Body	G	175	300	7.100120	1.665550	1.511790	0.297880	0.060000
2011	Cabin Service Truck, Wide Body	L	175	300	48.333730	3.289020	12.176080	0.013230	0.056710
2011	Cargo Loader, Narrow Body	C	50	100	48.294960	48.294410	12.175110	0.013230	0.056680
2011	Cargo Loader, Narrow Body	D	50	100	2.444480	0.633380	4.196120	0.956880	0.607900
2011	Cargo Loader, Narrow Body	G	100	175	349.347900	12.941040	7.242870	0.174240	0.068220
2011	Cargo Loader, Narrow Body	L	100	175	48.294960	3.286980	12.175110	0.013230	0.056680
2011	Cargo Loader, Wide, Lower Lobe	C	50	100	48.294960	48.294410	12.175110	0.013230	0.056680
2011	Cargo Loader, Wide, Lower Lobe	D	50	100	2.444480	0.633380	4.196120	0.956880	0.607900
2011	Cargo Loader, Wide, Lower Lobe	G	100	175	349.347900	12.941040	7.242870	0.174240	0.068220
2011	Cargo Loader, Wide, Lower Lobe	L	100	175	48.294960	3.286980	12.175110	0.013230	0.056680
2011	Cargo Loader, Wide, Main Deck	D	100	175	2.444480	0.633380	4.196120	0.956880	0.607900
2011	Cargo Tractor	C	50	100	48.370980	48.353190	12.177020	0.013230	0.056750
2011	Cargo Tractor	D	50	100	4.132060	0.505160	4.855170	0.910950	0.670710
2011	Cargo Tractor	G	100	175	351.244620	12.809150	7.246800	0.174220	0.068510
2011	Cargo Tractor	L	100	175	48.370980	3.290980	12.177020	0.013230	0.056750
2011	Cart	C	25	40	0.000000	0.000000	0.000000	0.000000	0.000000
2011	Cart	D	25	40	0.000000	0.000000	0.000000	0.000000	0.000000
2011	Cart	G	25	40	347.999820	18.636850	7.240080	0.174260	0.068020
2011	Cart	L	25	40	0.000000	0.000000	0.000000	0.000000	0.000000
2011	Catering Truck, Commuter/Reg	C	50	100	48.333730	48.238890	12.176080	0.013230	0.056710
2011	Catering Truck, Commuter/Reg	D	50	100	0.246360	0.158650	0.468180	0.614120	0.776230
2011	Catering Truck, Commuter/Reg	G	100	175	7.100120	1.665550	1.511790	0.297880	0.060000
2011	Catering Truck, Commuter/Reg	L	100	175	48.333730	3.289020	12.176080	0.013230	0.056710
2011	Catering Truck, Narrow Body	C	300	600	48.333730	48.238890	12.176080	0.013230	0.056710
2011	Catering Truck, Narrow Body	D	175	300	0.246360	0.158650	0.468180	0.614120	0.776230
2011	Catering Truck, Narrow Body	G	175	300	7.100120	1.665550	1.511790	0.297880	0.060000
2011	Catering Truck, Narrow Body	L	175	300	48.333730	3.289020	12.176080	0.013230	0.056710
2011	Catering Truck, Wide Body	C	300	600	48.333730	48.238890	12.176080	0.013230	0.056710
2011	Catering Truck, Wide Body	D	175	300	0.246360	0.158650	0.468180	0.614120	0.776230
2011	Catering Truck, Wide Body	G	175	300	7.100120	1.665550	1.511790	0.297880	0.060000
2011	Catering Truck, Wide Body	L	175	300	48.333730	3.289020	12.176080	0.013230	0.056710
2011	Deicer, Dual Engine	C	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
2011	Deicer, Dual Engine	D	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
2011	Deicer, Dual Engine	G	175	300	239.813760	10.782650	7.239520	0.175700	0.067980
2011	Deicer, Dual Engine	L	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
2011	Deicer, Single Engine	C	50	100	0.000000	0.000000	0.000000	0.000000	0.000000
2011	Deicer, Single Engine	D	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2011	Deicer, Single Engine	G	100	175	239.813760	10.782650	7.239520	0.175700	0.067980
2011	Deicer, Single Engine	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2011	Fork Lift	C	50	100	48.448760	48.413320	12.178970	0.013230	0.056820
2011	Fork Lift	D	50	100	2.936090	0.783730	5.248190	0.956150	0.677800
2011	Fork Lift	G	50	100	347.999770	13.403710	7.240080	0.174260	0.068020
2011	Fork Lift	L	50	100	48.448760	3.295070	12.178970	0.013230	0.056820
2011	Fuel Truck, Ground Equipment	C	300	600	48.294950	48.208970	12.175110	0.013230	0.056680
2011	Fuel Truck, Ground Equipment	D	175	300	0.520590	0.225480	1.627130	0.694310	0.510850
2011	Fuel Truck, Ground Equipment	G	175	300	7.426680	2.033080	2.039190	0.297250	0.060060
2011	Fuel Truck, Ground Equipment	L	175	300	48.294950	3.286980	12.175110	0.013230	0.056680
2011	Fuel Truck, Large, 8,000+ gal	D	300	600	0.520590	0.225480	1.627130	0.694310	0.510850
2011	Fuel Truck, MidSize, 3-6,000 g	C	300	600	48.294950	48.208970	12.175110	0.013230	0.056680
2011	Fuel Truck, MidSize, 3-6,000 g	D	175	300	0.520590	0.225480	1.627130	0.694310	0.510850
2011	Fuel Truck, MidSize, 3-6,000 g	G	300	600	7.426680	2.033080	2.039190	0.297250	0.060060
2011	Fuel Truck, MidSize, 3-6,000 g	L	300	600	48.294950	3.286980	12.175110	0.013230	0.056680
2011	Fuel Truck, Small, < 3,000 gal	C	300	600	48.294950	48.208970	12.175110	0.013230	0.056680

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Year	Type	Fuel	Min. Power	Max. Power	CO G/HPHR	HC G/HPHR	NOX G/HPHR	SOX G/HPHR	PM G/HPHR
2011	Fuel Truck, Small, < 3,000 gal	D	175	300	0.520590	0.225480	1.627130	0.694310	0.510850
2011	Fuel Truck, Small, < 3,000 gal	G	300	600	7.426680	2.033080	2.039190	0.297250	0.060060
2011	Fuel Truck, Small, < 3,000 gal	L	300	600	48.294950	3.286980	12.175110	0.013230	0.056680
2011	Generator	C	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2011	Generator	D	100	175	1.144570	0.340570	4.756260	0.811990	0.341230
2011	Generator	G	100	175	239.999900	9.899160	7.240080	0.175700	0.068020
2011	Generator	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2011	Ground Power Unit, 28VDC	C	50	100	0.000000	0.000000	0.000000	0.000000	0.000000
2011	Ground Power Unit, 28VDC	D	50	100	0.929670	0.250070	3.462450	0.812440	0.308870
2011	Ground Power Unit, 28VDC	G	100	175	239.851470	9.811900	7.239630	0.175700	0.067980
2011	Ground Power Unit, 28VDC	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2011	Ground Power Unit, 400 Hz	D	175	300	0.929670	0.250070	3.462450	0.812440	0.308870
2011	Hydrant Truck, Narrow Body	C	300	600	0.000000	0.000000	0.000000	0.000000	0.000000
2011	Hydrant Truck, Narrow Body	D	175	300	0.722370	0.275180	2.631790	0.732210	0.428520
2011	Hydrant Truck, Narrow Body	G	175	300	7.110780	1.613190	1.648940	0.297840	0.060000
2011	Hydrant Truck, Narrow Body	L	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
2011	Hydrant Truck, Wide Body	C	300	600	0.000000	0.000000	0.000000	0.000000	0.000000
2011	Hydrant Truck, Wide Body	D	175	300	0.722370	0.275180	2.631790	0.732210	0.428520
2011	Hydrant Truck, Wide Body	G	175	300	7.110780	1.613190	1.648940	0.297840	0.060000
2011	Hydrant Truck, Wide Body	L	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
2011	Lavatory Truck, Narrow Body	C	50	100	48.294960	48.208970	12.175110	0.013230	0.056680
2011	Lavatory Truck, Narrow Body	D	50	100	0.650460	0.258500	2.370990	0.723170	0.433650
2011	Lavatory Truck, Narrow Body	G	50	100	7.100120	1.392800	0.813580	0.298080	0.060000
2011	Lavatory Truck, Narrow Body	L	50	100	48.294960	3.286980	12.175110	0.013230	0.056680
2011	Lavatory Truck, Wide Body	C	300	600	48.294960	48.208970	12.175110	0.013230	0.056680
2011	Lavatory Truck, Wide Body	D	175	300	0.650460	0.258500	2.370990	0.723170	0.433650
2011	Lavatory Truck, Wide Body	G	175	300	7.100120	1.392800	0.813580	0.298080	0.060000
2011	Lavatory Truck, Wide Body	L	175	300	48.294960	3.286980	12.175110	0.013230	0.056680
2011	Lift	C	100	175	48.294960	48.294410	12.175110	0.013230	0.056680
2011	Lift	D	100	175	2.934380	0.783200	5.245290	0.956150	0.677210
2011	Lift	G	100	175	348.460960	12.914510	7.241030	0.174250	0.068090
2011	Lift	L	100	175	48.294960	3.286980	12.175110	0.013230	0.056680
2011	Other	C	0	9999	48.312050	48.307620	12.175540	0.013230	0.056690
2011	Other	D	0	9999	1.467170	0.288790	3.658060	0.821110	0.376190
2011	Other	G	0	9999	348.162750	12.856490	7.240410	0.174260	0.068040
2011	Other	L	0	9999	48.312050	3.287870	12.175540	0.013230	0.056690
2011	Passenger Stand	C	50	100	48.245930	48.171130	12.173870	0.013230	0.056630
2011	Passenger Stand	D	50	100	0.719800	0.274600	2.618080	0.731700	0.429640
2011	Passenger Stand	G	100	175	8.057280	3.187490	2.296460	0.296140	0.060190
2011	Passenger Stand	L	100	175	48.245930	3.284400	12.173870	0.013230	0.056630
2011	Service Truck	C	300	600	48.295790	48.209610	12.175130	0.013230	0.056680
2011	Service Truck	D	175	300	0.566560	0.237650	1.948370	0.706850	0.471260
2011	Service Truck	G	175	300	8.038710	2.711460	2.295450	0.296180	0.060190
2011	Service Truck	L	175	300	48.295790	3.287020	12.175130	0.013230	0.056680
2011	Sweeper	C	40	50	48.387020	48.365590	12.177420	0.013230	0.056760
2011	Sweeper	D	50	100	4.131970	0.505160	4.855150	0.910950	0.670670
2011	Sweeper	G	50	100	348.012330	13.289680	7.240100	0.174260	0.068020
2011	Sweeper	L	40	50	48.387020	3.291820	12.177420	0.013230	0.056760
2011	Water Service	C	300	600	0.000000	0.000000	0.000000	0.000000	0.000000
2011	Water Service	D	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
2011	Water Service	G	175	300	8.057280	2.636660	2.296460	0.296140	0.060190
2011	Water Service	L	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
2012	Air Conditioner, Narrow Body	D	175	300	0.930870	0.221420	3.153900	0.812580	0.321230
2012	Air Conditioner, Wide Body	D	175	300	0.930870	0.221420	3.153900	0.812580	0.321230
2012	Air Start	G	175	300	239.999870	11.795900	7.240080	0.175700	0.068020
2012	Air Start, 180 PPM	D	300	600	1.139030	0.219840	4.311280	0.812580	0.245020
2012	Air Start, 300 PPM	D	750	1000	1.139030	0.219840	4.311280	0.812580	0.245020
2012	Aircraft Tractor, Commuter/Reg	C	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2012	Aircraft Tractor, Commuter/Reg	D	50	100	1.273620	0.260700	3.531720	0.821250	0.299730
2012	Aircraft Tractor, Commuter/Reg	G	100	175	348.012530	12.771260	7.240100	0.174260	0.068020
2012	Aircraft Tractor, Commuter/Reg	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2012	Aircraft Tractor, Mid-Range	D	175	300	1.273620	0.260700	3.531720	0.821250	0.299730
2012	Aircraft Tractor, Narrow Body	C	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2012	Aircraft Tractor, Narrow Body	D	50	100	1.273620	0.260700	3.531720	0.821250	0.299730
2012	Aircraft Tractor, Narrow Body	G	100	175	348.012530	12.771260	7.240100	0.174260	0.068020
2012	Aircraft Tractor, Narrow Body	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2012	Aircraft Tractor, Wide Body	D	300	600	1.273620	0.260700	3.531720	0.821250	0.299730
2012	Aircraft Tug Towbarless Narrow	D	50	100	1.273620	0.260700	3.531720	0.821250	0.299730

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Year	Type	Fuel	Min. Power	Max. Power	CO G/HPHR	HC G/HPHR	NOX G/HPHR	SOX G/HPHR	PM G/HPHR
2012	Aircraft Tug Towbarless Wide	D	600	750	1.273620	0.260700	3.531720	0.821250	0.299730
2012	Baggage Tractor, Commuter	C	50	100	48.376810	48.357690	12.177160	0.013230	0.056750
2012	Baggage Tractor, Commuter	D	50	100	3.856920	0.279560	3.675170	0.912060	0.531190
2012	Baggage Tractor, Commuter	G	100	175	347.957670	12.707210	7.239990	0.174260	0.068010
2012	Baggage Tractor, Commuter	L	100	175	48.376810	3.291280	12.177160	0.013230	0.056750
2012	Baggage Tractor, Narrow Body	C	50	100	48.376810	48.357690	12.177160	0.013230	0.056750
2012	Baggage Tractor, Narrow Body	D	50	100	3.856920	0.279560	3.675170	0.912060	0.531190
2012	Baggage Tractor, Narrow Body	G	100	175	347.957670	12.707210	7.239990	0.174260	0.068010
2012	Baggage Tractor, Narrow Body	L	100	175	48.376810	3.291280	12.177160	0.013230	0.056750
2012	Baggage Tractor, Wide Body	C	50	100	48.376810	48.357690	12.177160	0.013230	0.056750
2012	Baggage Tractor, Wide Body	D	50	100	3.856920	0.279560	3.675170	0.912060	0.531190
2012	Baggage Tractor, Wide Body	G	100	175	347.957670	12.707210	7.239990	0.174260	0.068010
2012	Baggage Tractor, Wide Body	L	100	175	48.376810	3.291280	12.177160	0.013230	0.056750
2012	Belt Loader, Commuter	C	50	100	33.361250	37.196310	12.176980	0.013270	0.056750
2012	Belt Loader, Commuter	D	50	100	2.524250	0.292720	4.037280	0.903130	0.435050
2012	Belt Loader, Commuter	G	100	175	241.064030	10.025840	7.243270	0.175680	0.068250
2012	Belt Loader, Commuter	L	100	175	33.361250	2.536110	12.176980	0.013270	0.056750
2012	Belt Loader, Narrow Body	C	50	100	33.361250	37.196310	12.176980	0.013270	0.056750
2012	Belt Loader, Narrow Body	D	50	100	2.524250	0.292720	4.037280	0.903130	0.435050
2012	Belt Loader, Narrow Body	G	100	175	241.064030	10.025840	7.243270	0.175680	0.068250
2012	Belt Loader, Narrow Body	L	100	175	33.361250	2.536110	12.176980	0.013270	0.056750
2012	Belt Loader, Wide Body	C	50	100	33.361250	37.196310	12.176980	0.013270	0.056750
2012	Belt Loader, Wide Body	D	50	100	2.524250	0.292720	4.037280	0.903130	0.435050
2012	Belt Loader, Wide Body	G	100	175	241.064030	10.025840	7.243270	0.175680	0.068250
2012	Belt Loader, Wide Body	L	100	175	33.361250	2.536110	12.176980	0.013270	0.056750
2012	Bobtail	C	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2012	Bobtail	D	175	300	1.467170	0.276620	3.504320	0.821170	0.380150
2012	Bobtail	G	100	175	349.206750	12.712000	7.242580	0.174240	0.068200
2012	Bobtail	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2012	Cabin Service Truck, Comm/Reg	C	50	100	48.333730	48.238890	12.176080	0.013230	0.056710
2012	Cabin Service Truck, Comm/Reg	D	50	100	0.180610	0.143570	0.308320	0.596000	0.835500
2012	Cabin Service Truck, Comm/Reg	G	100	175	7.100110	1.497710	1.198640	0.297960	0.060000
2012	Cabin Service Truck, Comm/Reg	L	100	175	48.333730	3.289020	12.176080	0.013230	0.056710
2012	Cabin Service Truck, Narrow	C	300	600	48.333730	48.238890	12.176080	0.013230	0.056710
2012	Cabin Service Truck, Narrow	D	175	300	0.180610	0.143570	0.308320	0.596000	0.835500
2012	Cabin Service Truck, Narrow	G	175	300	7.100110	1.497710	1.198640	0.297960	0.060000
2012	Cabin Service Truck, Narrow	L	175	300	48.333730	3.289020	12.176080	0.013230	0.056710
2012	Cabin Service Truck, Wide Body	C	300	600	48.333730	48.238890	12.176080	0.013230	0.056710
2012	Cabin Service Truck, Wide Body	D	175	300	0.180610	0.143570	0.308320	0.596000	0.835500
2012	Cabin Service Truck, Wide Body	G	175	300	7.100110	1.497710	1.198640	0.297960	0.060000
2012	Cabin Service Truck, Wide Body	L	175	300	48.333730	3.289020	12.176080	0.013230	0.056710
2012	Cargo Loader, Narrow Body	C	50	100	48.294960	48.294410	12.175110	0.013230	0.056680
2012	Cargo Loader, Narrow Body	D	50	100	2.417990	0.592710	3.915700	0.957080	0.610200
2012	Cargo Loader, Narrow Body	G	100	175	349.347940	12.942070	7.242870	0.174240	0.068220
2012	Cargo Loader, Narrow Body	L	100	175	48.294960	3.286980	12.175110	0.013230	0.056680
2012	Cargo Loader, Wide, Lower Lobe	C	50	100	48.294960	48.294410	12.175110	0.013230	0.056680
2012	Cargo Loader, Wide, Lower Lobe	D	50	100	2.417990	0.592710	3.915700	0.957080	0.610200
2012	Cargo Loader, Wide, Lower Lobe	G	100	175	349.347940	12.942070	7.242870	0.174240	0.068220
2012	Cargo Loader, Wide, Lower Lobe	L	100	175	48.294960	3.286980	12.175110	0.013230	0.056680
2012	Cargo Loader, Wide, Main Deck	D	100	175	2.417990	0.592710	3.915700	0.957080	0.610200
2012	Cargo Tractor	C	50	100	48.370990	48.353190	12.177020	0.013230	0.056750
2012	Cargo Tractor	D	50	100	4.042500	0.459590	4.640110	0.911180	0.642550
2012	Cargo Tractor	G	100	175	351.244590	12.809680	7.246800	0.174220	0.068510
2012	Cargo Tractor	L	100	175	48.370990	3.290980	12.177020	0.013230	0.056750
2012	Cart	C	25	40	0.000000	0.000000	0.000000	0.000000	0.000000
2012	Cart	D	25	40	0.000000	0.000000	0.000000	0.000000	0.000000
2012	Cart	G	25	40	347.999740	18.653580	7.240080	0.174260	0.068020
2012	Cart	L	25	40	0.000000	0.000000	0.000000	0.000000	0.000000
2012	Catering Truck, Commuter/Reg	C	50	100	48.333730	48.238890	12.176080	0.013230	0.056710
2012	Catering Truck, Commuter/Reg	D	50	100	0.180610	0.143570	0.308320	0.596000	0.835500
2012	Catering Truck, Commuter/Reg	G	100	175	7.100110	1.497710	1.198640	0.297960	0.060000
2012	Catering Truck, Commuter/Reg	L	100	175	48.333730	3.289020	12.176080	0.013230	0.056710
2012	Catering Truck, Narrow Body	C	300	600	48.333730	48.238890	12.176080	0.013230	0.056710
2012	Catering Truck, Narrow Body	D	175	300	0.180610	0.143570	0.308320	0.596000	0.835500
2012	Catering Truck, Narrow Body	G	175	300	7.100110	1.497710	1.198640	0.297960	0.060000
2012	Catering Truck, Narrow Body	L	175	300	48.333730	3.289020	12.176080	0.013230	0.056710
2012	Catering Truck, Wide Body	C	300	600	48.333730	48.238890	12.176080	0.013230	0.056710
2012	Catering Truck, Wide Body	D	175	300	0.180610	0.143570	0.308320	0.596000	0.835500

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Year	Type	Fuel	Min. Power	Max. Power	CO G/HPHR	HC G/HPHR	NOX G/HPHR	SOX G/HPHR	PM G/HPHR
2012	Catering Truck, Wide Body	G	175	300	7.100110	1.497710	1.198640	0.297960	0.060000
2012	Catering Truck, Wide Body	L	175	300	48.333730	3.289020	12.176080	0.013230	0.056710
2012	Deicer, Dual Engine	C	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
2012	Deicer, Dual Engine	D	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
2012	Deicer, Dual Engine	G	175	300	239.813740	10.785610	7.239520	0.175700	0.067980
2012	Deicer, Dual Engine	L	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
2012	Deicer, Single Engine	C	50	100	0.000000	0.000000	0.000000	0.000000	0.000000
2012	Deicer, Single Engine	D	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2012	Deicer, Single Engine	G	100	175	239.813740	10.785610	7.239520	0.175700	0.067980
2012	Deicer, Single Engine	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2012	Fork Lift	C	50	100	48.448760	48.413330	12.178970	0.013230	0.056820
2012	Fork Lift	D	50	100	2.775130	0.733070	4.942280	0.956400	0.663290
2012	Fork Lift	G	50	100	347.999830	13.406110	7.240080	0.174260	0.068020
2012	Fork Lift	L	50	100	48.448760	3.295070	12.178970	0.013230	0.056820
2012	Fuel Truck, Ground Equipment	C	300	600	48.294960	48.208970	12.175110	0.013230	0.056680
2012	Fuel Truck, Ground Equipment	D	175	300	0.449530	0.207750	1.262660	0.673170	0.581000
2012	Fuel Truck, Ground Equipment	G	175	300	7.300410	1.885070	1.771780	0.297530	0.060030
2012	Fuel Truck, Ground Equipment	L	175	300	48.294960	3.286980	12.175110	0.013230	0.056680
2012	Fuel Truck, Large, 8,000+ gal	D	300	600	0.449530	0.207750	1.262660	0.673170	0.581000
2012	Fuel Truck, MidSize, 3-6,000 g	C	300	600	48.294960	48.208970	12.175110	0.013230	0.056680
2012	Fuel Truck, MidSize, 3-6,000 g	D	175	300	0.449530	0.207750	1.262660	0.673170	0.581000
2012	Fuel Truck, MidSize, 3-6,000 g	G	300	600	7.300410	1.885070	1.771780	0.297530	0.060030
2012	Fuel Truck, MidSize, 3-6,000 g	L	300	600	48.294960	3.286980	12.175110	0.013230	0.056680
2012	Fuel Truck, Small, < 3,000 gal	C	300	600	48.294960	48.208970	12.175110	0.013230	0.056680
2012	Fuel Truck, Small, < 3,000 gal	D	175	300	0.449530	0.207750	1.262660	0.673170	0.581000
2012	Fuel Truck, Small, < 3,000 gal	G	300	600	7.300410	1.885070	1.771780	0.297530	0.060030
2012	Fuel Truck, Small, < 3,000 gal	L	300	600	48.294960	3.286980	12.175110	0.013230	0.056680
2012	Generator	C	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2012	Generator	D	100	175	1.082020	0.318280	4.479510	0.812100	0.334390
2012	Generator	G	100	175	239.999830	9.899680	7.240080	0.175700	0.068020
2012	Generator	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2012	Ground Power Unit, 28VDC	C	50	100	0.000000	0.000000	0.000000	0.000000	0.000000
2012	Ground Power Unit, 28VDC	D	50	100	0.929130	0.231300	3.258220	0.812530	0.316700
2012	Ground Power Unit, 28VDC	G	100	175	239.851500	9.812200	7.239630	0.175700	0.067980
2012	Ground Power Unit, 28VDC	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2012	Ground Power Unit, 400 Hz	D	175	300	0.929130	0.231300	3.258220	0.812530	0.316700
2012	Hydrant Truck, Narrow Body	C	300	600	0.000000	0.000000	0.000000	0.000000	0.000000
2012	Hydrant Truck, Narrow Body	D	175	300	0.657140	0.259210	2.344280	0.717450	0.468490
2012	Hydrant Truck, Narrow Body	G	175	300	7.102710	1.451300	1.347590	0.297920	0.060000
2012	Hydrant Truck, Narrow Body	L	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
2012	Hydrant Truck, Wide Body	C	300	600	0.000000	0.000000	0.000000	0.000000	0.000000
2012	Hydrant Truck, Wide Body	D	175	300	0.657140	0.259210	2.344280	0.717450	0.468490
2012	Hydrant Truck, Wide Body	G	175	300	7.102710	1.451300	1.347590	0.297920	0.060000
2012	Hydrant Truck, Wide Body	L	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
2012	Lavatory Truck, Narrow Body	C	50	100	48.294960	48.208970	12.175110	0.013230	0.056680
2012	Lavatory Truck, Narrow Body	D	50	100	0.584940	0.242180	2.060960	0.706610	0.482990
2012	Lavatory Truck, Narrow Body	G	50	100	7.100110	1.258010	0.544090	0.298140	0.060000
2012	Lavatory Truck, Narrow Body	L	50	100	48.294960	3.286980	12.175110	0.013230	0.056680
2012	Lavatory Truck, Wide Body	C	300	600	48.294960	48.208970	12.175110	0.013230	0.056680
2012	Lavatory Truck, Wide Body	D	175	300	0.584940	0.242180	2.060960	0.706610	0.482990
2012	Lavatory Truck, Wide Body	G	175	300	7.100110	1.258010	0.544090	0.298140	0.060000
2012	Lavatory Truck, Wide Body	L	175	300	48.294960	3.286980	12.175110	0.013230	0.056680
2012	Lift	C	100	175	48.294960	48.294410	12.175110	0.013230	0.056680
2012	Lift	D	100	175	2.773370	0.732520	4.939310	0.956400	0.662700
2012	Lift	G	100	175	348.460960	12.915530	7.241030	0.174250	0.068090
2012	Lift	L	100	175	48.294960	3.286980	12.175110	0.013230	0.056680
2012	Other	C	0	9999	48.312050	48.307620	12.175530	0.013230	0.056690
2012	Other	D	0	9999	1.451780	0.271180	3.417730	0.821200	0.377430
2012	Other	G	0	9999	348.162730	12.857370	7.240410	0.174260	0.068040
2012	Other	L	0	9999	48.312050	3.287870	12.175530	0.013230	0.056690
2012	Passenger Stand	C	50	100	48.245930	48.171130	12.173870	0.013230	0.056630
2012	Passenger Stand	D	50	100	0.654150	0.258530	2.328740	0.716850	0.469850
2012	Passenger Stand	G	100	175	7.848370	3.052320	2.054050	0.296550	0.060150
2012	Passenger Stand	L	100	175	48.245930	3.284400	12.173870	0.013230	0.056630
2012	Service Truck	C	300	600	48.295790	48.209610	12.175130	0.013230	0.056680
2012	Service Truck	D	175	300	0.500890	0.220990	1.607780	0.687800	0.533740
2012	Service Truck	G	175	300	7.829750	2.574950	2.052970	0.296580	0.060150
2012	Service Truck	L	175	300	48.295790	3.287020	12.175130	0.013230	0.056680

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Year	Type	Fuel	Min. Power	Max. Power	CO G/HPHR	HC G/HPHR	NOX G/HPHR	SOX G/HPHR	PM G/HPHR
2012	Sweeper	C	40	50	48.387020	48.365580	12.177420	0.013230	0.056760
2012	Sweeper	D	50	100	4.042420	0.459580	4.640100	0.911180	0.642500
2012	Sweeper	G	50	100	348.012310	13.291770	7.240100	0.174260	0.068020
2012	Sweeper	L	40	50	48.387020	3.291820	12.177420	0.013230	0.056760
2012	Water Service	C	300	600	0.000000	0.000000	0.000000	0.000000	0.000000
2012	Water Service	D	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
2012	Water Service	G	175	300	7.848370	2.499980	2.054050	0.296550	0.060150
2012	Water Service	L	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
2013	Air Conditioner, Narrow Body	D	175	300	0.934580	0.204920	2.985360	0.812660	0.329970
2013	Air Conditioner, Wide Body	D	175	300	0.934580	0.204920	2.985360	0.812660	0.329970
2013	Air Start	G	175	300	239.999810	11.790200	7.240080	0.175700	0.068020
2013	Air Start, 180 PPM	D	300	600	1.094280	0.211290	4.079250	0.812630	0.240060
2013	Air Start, 300 PPM	D	750	1000	1.094280	0.211290	4.079250	0.812630	0.240060
2013	Aircraft Tractor, Commuter/Reg	C	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2013	Aircraft Tractor, Commuter/Reg	D	50	100	1.259350	0.248240	3.328720	0.821310	0.293490
2013	Aircraft Tractor, Commuter/Reg	G	100	175	348.012610	12.770600	7.240100	0.174260	0.068020
2013	Aircraft Tractor, Commuter/Reg	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2013	Aircraft Tractor, Mid-Range	D	175	300	1.259350	0.248240	3.328720	0.821310	0.293490
2013	Aircraft Tractor, Narrow Body	C	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2013	Aircraft Tractor, Narrow Body	D	50	100	1.259350	0.248240	3.328720	0.821310	0.293490
2013	Aircraft Tractor, Narrow Body	G	100	175	348.012610	12.770600	7.240100	0.174260	0.068020
2013	Aircraft Tractor, Narrow Body	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2013	Aircraft Tractor, Wide Body	D	300	600	1.259350	0.248240	3.328720	0.821310	0.293490
2013	Aircraft Tug Towbarless Narrow	D	50	100	1.259350	0.248240	3.328720	0.821310	0.293490
2013	Aircraft Tug Towbarless Wide	D	600	750	1.259350	0.248240	3.328720	0.821310	0.293490
2013	Baggage Tractor, Commuter	C	50	100	48.376810	48.357690	12.177160	0.013230	0.056750
2013	Baggage Tractor, Commuter	D	50	100	3.871940	0.252320	3.499440	0.912190	0.543660
2013	Baggage Tractor, Commuter	G	100	175	347.957660	12.706720	7.239990	0.174260	0.068010
2013	Baggage Tractor, Commuter	L	100	175	48.376810	3.291280	12.177160	0.013230	0.056750
2013	Baggage Tractor, Narrow Body	C	50	100	48.376810	48.357690	12.177160	0.013230	0.056750
2013	Baggage Tractor, Narrow Body	D	50	100	3.871940	0.252320	3.499440	0.912190	0.543660
2013	Baggage Tractor, Narrow Body	G	100	175	347.957660	12.706720	7.239990	0.174260	0.068010
2013	Baggage Tractor, Narrow Body	L	100	175	48.376810	3.291280	12.177160	0.013230	0.056750
2013	Baggage Tractor, Wide Body	C	50	100	48.376810	48.357690	12.177160	0.013230	0.056750
2013	Baggage Tractor, Wide Body	D	50	100	3.871940	0.252320	3.499440	0.912190	0.543660
2013	Baggage Tractor, Wide Body	G	100	175	347.957660	12.706720	7.239990	0.174260	0.068010
2013	Baggage Tractor, Wide Body	L	100	175	48.376810	3.291280	12.177160	0.013230	0.056750
2013	Belt Loader, Commuter	C	50	100	33.361250	37.196310	12.176980	0.013270	0.056750
2013	Belt Loader, Commuter	D	50	100	2.528010	0.265060	3.852560	0.903260	0.440220
2013	Belt Loader, Commuter	G	100	175	241.064050	10.025060	7.243270	0.175680	0.068250
2013	Belt Loader, Commuter	L	100	175	33.361250	2.536110	12.176980	0.013270	0.056750
2013	Belt Loader, Narrow Body	C	50	100	33.361250	37.196310	12.176980	0.013270	0.056750
2013	Belt Loader, Narrow Body	D	50	100	2.528010	0.265060	3.852560	0.903260	0.440220
2013	Belt Loader, Narrow Body	G	100	175	241.064050	10.025060	7.243270	0.175680	0.068250
2013	Belt Loader, Narrow Body	L	100	175	33.361250	2.536110	12.176980	0.013270	0.056750
2013	Belt Loader, Wide Body	C	50	100	33.361250	37.196310	12.176980	0.013270	0.056750
2013	Belt Loader, Wide Body	D	50	100	2.528010	0.265060	3.852560	0.903260	0.440220
2013	Belt Loader, Wide Body	G	100	175	241.064050	10.025060	7.243270	0.175680	0.068250
2013	Belt Loader, Wide Body	L	100	175	33.361250	2.536110	12.176980	0.013270	0.056750
2013	Bobtail	C	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2013	Bobtail	D	175	300	1.452810	0.260360	3.296880	0.821250	0.382560
2013	Bobtail	G	100	175	349.206730	12.711580	7.242580	0.174240	0.068200
2013	Bobtail	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2013	Cabin Service Truck, Comm/Reg	C	50	100	48.333720	48.238890	12.176080	0.013230	0.056710
2013	Cabin Service Truck, Comm/Reg	D	50	100	0.160060	0.138820	0.250120	0.590300	0.854130
2013	Cabin Service Truck, Comm/Reg	G	100	175	7.100110	1.341100	0.907370	0.298040	0.060000
2013	Cabin Service Truck, Comm/Reg	L	100	175	48.333720	3.289020	12.176080	0.013230	0.056710
2013	Cabin Service Truck, Narrow	C	300	600	48.333720	48.238890	12.176080	0.013230	0.056710
2013	Cabin Service Truck, Narrow	D	175	300	0.160060	0.138820	0.250120	0.590300	0.854130
2013	Cabin Service Truck, Narrow	G	175	300	7.100110	1.341100	0.907370	0.298040	0.060000
2013	Cabin Service Truck, Narrow	L	175	300	48.333720	3.289020	12.176080	0.013230	0.056710
2013	Cabin Service Truck, Wide Body	C	300	600	48.333720	48.238890	12.176080	0.013230	0.056710
2013	Cabin Service Truck, Wide Body	D	175	300	0.160060	0.138820	0.250120	0.590300	0.854130
2013	Cabin Service Truck, Wide Body	G	175	300	7.100110	1.341100	0.907370	0.298040	0.060000
2013	Cabin Service Truck, Wide Body	L	175	300	48.333720	3.289020	12.176080	0.013230	0.056710
2013	Cargo Loader, Narrow Body	C	50	100	48.294960	48.294410	12.175110	0.013230	0.056680
2013	Cargo Loader, Narrow Body	D	50	100	2.405080	0.556320	3.710900	0.957260	0.620070
2013	Cargo Loader, Narrow Body	G	100	175	349.347940	12.941040	7.242870	0.174240	0.068220

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Table F1

Ground Support Equipment Emission Indices

Year	Type	Fuel	Min. Power	Max. Power	CO G/HPHR	HC G/HPHR	NOX G/HPHR	SOX G/HPHR	PM G/HPHR
2013	Cargo Loader, Narrow Body	L	100	175	48.294960	3.286980	12.175110	0.013230	0.056680
2013	Cargo Loader, Wide, Lower Lobe	C	50	100	48.294960	48.294410	12.175110	0.013230	0.056680
2013	Cargo Loader, Wide, Lower Lobe	D	50	100	2.405080	0.556320	3.710900	0.957260	0.620070
2013	Cargo Loader, Wide, Lower Lobe	G	100	175	349.347940	12.941040	7.242870	0.174240	0.068220
2013	Cargo Loader, Wide, Lower Lobe	L	100	175	48.294960	3.286980	12.175110	0.013230	0.056680
2013	Cargo Loader, Wide, Main Deck	D	100	175	2.405080	0.556320	3.710900	0.957260	0.620070
2013	Cargo Tractor	C	50	100	48.370980	48.353190	12.177020	0.013230	0.056750
2013	Cargo Tractor	D	50	100	3.983810	0.421820	4.446390	0.911360	0.620280
2013	Cargo Tractor	G	100	175	351.244650	12.809150	7.246800	0.174220	0.068510
2013	Cargo Tractor	L	100	175	48.370980	3.290980	12.177020	0.013230	0.056750
2013	Cart	C	25	40	0.000000	0.000000	0.000000	0.000000	0.000000
2013	Cart	D	25	40	0.000000	0.000000	0.000000	0.000000	0.000000
2013	Cart	G	25	40	347.999820	18.636850	7.240080	0.174260	0.068020
2013	Cart	L	25	40	0.000000	0.000000	0.000000	0.000000	0.000000
2013	Catering Truck, Commuter/Reg	C	50	100	48.333720	48.238890	12.176080	0.013230	0.056710
2013	Catering Truck, Commuter/Reg	D	50	100	0.160060	0.138820	0.250120	0.590300	0.854130
2013	Catering Truck, Commuter/Reg	G	100	175	7.100110	1.341100	0.907370	0.298040	0.060000
2013	Catering Truck, Commuter/Reg	L	100	175	48.333720	3.289020	12.176080	0.013230	0.056710
2013	Catering Truck, Narrow Body	C	300	600	48.333720	48.238890	12.176080	0.013230	0.056710
2013	Catering Truck, Narrow Body	D	175	300	0.160060	0.138820	0.250120	0.590300	0.854130
2013	Catering Truck, Narrow Body	G	175	300	7.100110	1.341100	0.907370	0.298040	0.060000
2013	Catering Truck, Narrow Body	L	175	300	48.333720	3.289020	12.176080	0.013230	0.056710
2013	Catering Truck, Wide Body	C	300	600	48.333720	48.238890	12.176080	0.013230	0.056710
2013	Catering Truck, Wide Body	D	175	300	0.160060	0.138820	0.250120	0.590300	0.854130
2013	Catering Truck, Wide Body	G	175	300	7.100110	1.341100	0.907370	0.298040	0.060000
2013	Catering Truck, Wide Body	L	175	300	48.333720	3.289020	12.176080	0.013230	0.056710
2013	Deicer, Dual Engine	C	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
2013	Deicer, Dual Engine	D	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
2013	Deicer, Dual Engine	G	175	300	239.813710	10.782650	7.239520	0.175700	0.067980
2013	Deicer, Dual Engine	L	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
2013	Deicer, Single Engine	C	50	100	0.000000	0.000000	0.000000	0.000000	0.000000
2013	Deicer, Single Engine	D	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2013	Deicer, Single Engine	G	100	175	239.813710	10.782650	7.239520	0.175700	0.067980
2013	Deicer, Single Engine	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2013	Fork Lift	C	50	100	48.448760	48.413330	12.178970	0.013230	0.056820
2013	Fork Lift	D	50	100	2.700330	0.694940	4.685950	0.956580	0.654420
2013	Fork Lift	G	50	100	347.999790	13.403710	7.240080	0.174260	0.068020
2013	Fork Lift	L	50	100	48.448760	3.295070	12.178970	0.013230	0.056820
2013	Fuel Truck, Ground Equipment	C	300	600	48.294960	48.208970	12.175110	0.013230	0.056680
2013	Fuel Truck, Ground Equipment	D	175	300	0.380480	0.190720	0.936710	0.652800	0.648440
2013	Fuel Truck, Ground Equipment	G	175	300	7.223370	1.743020	1.515380	0.297720	0.060020
2013	Fuel Truck, Ground Equipment	L	175	300	48.294960	3.286980	12.175110	0.013230	0.056680
2013	Fuel Truck, Large, 8,000+ gal	D	300	600	0.380480	0.190720	0.936710	0.652800	0.648440
2013	Fuel Truck, MidSize, 3-6,000 g	C	300	600	48.294960	48.208970	12.175110	0.013230	0.056680
2013	Fuel Truck, MidSize, 3-6,000 g	D	175	300	0.380480	0.190720	0.936710	0.652800	0.648440
2013	Fuel Truck, MidSize, 3-6,000 g	G	300	600	7.223370	1.743020	1.515380	0.297720	0.060020
2013	Fuel Truck, MidSize, 3-6,000 g	L	300	600	48.294960	3.286980	12.175110	0.013230	0.056680
2013	Fuel Truck, Small, < 3,000 gal	C	300	600	48.294960	48.208970	12.175110	0.013230	0.056680
2013	Fuel Truck, Small, < 3,000 gal	D	175	300	0.380480	0.190720	0.936710	0.652800	0.648440
2013	Fuel Truck, Small, < 3,000 gal	G	300	600	7.223370	1.743020	1.515380	0.297720	0.060020
2013	Fuel Truck, Small, < 3,000 gal	L	300	600	48.294960	3.286980	12.175110	0.013230	0.056680
2013	Generator	C	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2013	Generator	D	100	175	1.052960	0.301460	4.247700	0.812180	0.330340
2013	Generator	G	100	175	239.999870	9.899160	7.240080	0.175700	0.068020
2013	Generator	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2013	Ground Power Unit, 28VDC	C	50	100	0.000000	0.000000	0.000000	0.000000	0.000000
2013	Ground Power Unit, 28VDC	D	50	100	0.932540	0.215060	3.089150	0.812610	0.324930
2013	Ground Power Unit, 28VDC	G	100	175	239.851480	9.811900	7.239630	0.175700	0.067980
2013	Ground Power Unit, 28VDC	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2013	Ground Power Unit, 400 Hz	D	175	300	0.932540	0.215060	3.089150	0.812610	0.324930
2013	Hydrant Truck, Narrow Body	C	300	600	0.000000	0.000000	0.000000	0.000000	0.000000
2013	Hydrant Truck, Narrow Body	D	175	300	0.592930	0.243620	2.064250	0.702680	0.508870
2013	Hydrant Truck, Narrow Body	G	175	300	7.100120	1.300890	1.068740	0.298000	0.060000
2013	Hydrant Truck, Narrow Body	L	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
2013	Hydrant Truck, Wide Body	C	300	600	0.000000	0.000000	0.000000	0.000000	0.000000
2013	Hydrant Truck, Wide Body	D	175	300	0.592930	0.243620	2.064250	0.702680	0.508870
2013	Hydrant Truck, Wide Body	G	175	300	7.100120	1.300890	1.068740	0.298000	0.060000
2013	Hydrant Truck, Wide Body	L	175	300	0.000000	0.000000	0.000000	0.000000	0.000000

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Year	Type	Fuel	Min. Power	Max. Power	CO G/HPHR	HC G/HPHR	NOX G/HPHR	SOX G/HPHR	PM G/HPHR
2013	Lavatory Truck, Narrow Body	C	50	100	48.294960	48.208970	12.175110	0.013230	0.056680
2013	Lavatory Truck, Narrow Body	D	50	100	0.521920	0.226640	1.763270	0.690630	0.530640
2013	Lavatory Truck, Narrow Body	G	50	100	7.100120	1.205010	0.414980	0.298170	0.060000
2013	Lavatory Truck, Narrow Body	L	50	100	48.294960	3.286980	12.175110	0.013230	0.056680
2013	Lavatory Truck, Wide Body	C	300	600	48.294960	48.208970	12.175110	0.013230	0.056680
2013	Lavatory Truck, Wide Body	D	175	300	0.521920	0.226640	1.763270	0.690630	0.530640
2013	Lavatory Truck, Wide Body	G	175	300	7.100120	1.205010	0.414980	0.298170	0.060000
2013	Lavatory Truck, Wide Body	L	175	300	48.294960	3.286980	12.175110	0.013230	0.056680
2013	Lift	C	100	175	48.294960	48.294410	12.175110	0.013230	0.056680
2013	Lift	D	100	175	2.698550	0.694380	4.682900	0.956580	0.653830
2013	Lift	G	100	175	348.460980	12.914500	7.241030	0.174250	0.068090
2013	Lift	L	100	175	48.294960	3.286980	12.175110	0.013230	0.056680
2013	Other	C	0	9999	48.312040	48.307620	12.175540	0.013230	0.056690
2013	Other	D	0	9999	1.440690	0.254530	3.236160	0.821280	0.383300
2013	Other	G	0	9999	348.162720	12.856490	7.240410	0.174260	0.068040
2013	Other	L	0	9999	48.312040	3.287870	12.175540	0.013230	0.056690
2013	Passenger Stand	C	50	100	48.245940	48.171130	12.173870	0.013230	0.056630
2013	Passenger Stand	D	50	100	0.589540	0.242840	2.046940	0.701990	0.510490
2013	Passenger Stand	G	100	175	7.644930	2.914400	1.818750	0.296950	0.060110
2013	Passenger Stand	L	100	175	48.245940	3.284400	12.173870	0.013230	0.056630
2013	Service Truck	C	300	600	48.295790	48.209610	12.175130	0.013230	0.056680
2013	Service Truck	D	175	300	0.437810	0.205170	1.288780	0.669430	0.594140
2013	Service Truck	G	175	300	7.626250	2.438300	1.817610	0.296980	0.060100
2013	Service Truck	L	175	300	48.295790	3.287020	12.175130	0.013230	0.056680
2013	Sweeper	C	40	50	48.387020	48.365580	12.177420	0.013230	0.056760
2013	Sweeper	D	50	100	3.983740	0.421820	4.446380	0.911360	0.620240
2013	Sweeper	G	50	100	348.012310	13.289690	7.240100	0.174260	0.068020
2013	Sweeper	L	40	50	48.387020	3.291820	12.177420	0.013230	0.056760
2013	Water Service	C	300	600	0.000000	0.000000	0.000000	0.000000	0.000000
2013	Water Service	D	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
2013	Water Service	G	175	300	7.644930	2.363580	1.818750	0.296950	0.060110
2013	Water Service	L	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
2014	Air Conditioner, Narrow Body	D	175	300	0.936270	0.197920	2.900760	0.812690	0.332890
2014	Air Conditioner, Wide Body	D	175	300	0.936270	0.197920	2.900760	0.812690	0.332890
2014	Air Start	G	175	300	239.999870	11.790200	7.240080	0.175700	0.068020
2014	Air Start, 180 PPM	D	300	600	1.054380	0.204170	3.862920	0.812660	0.236290
2014	Air Start, 300 PPM	D	750	1000	1.054380	0.204170	3.862920	0.812660	0.236290
2014	Aircraft Tractor, Commuter/Reg	C	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2014	Aircraft Tractor, Commuter/Reg	D	50	100	1.248720	0.236880	3.153630	0.821370	0.289150
2014	Aircraft Tractor, Commuter/Reg	G	100	175	348.012550	12.770590	7.240100	0.174260	0.068020
2014	Aircraft Tractor, Commuter/Reg	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2014	Aircraft Tractor, Mid-Range	D	175	300	1.248720	0.236880	3.153630	0.821370	0.289150
2014	Aircraft Tractor, Narrow Body	C	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2014	Aircraft Tractor, Narrow Body	D	50	100	1.248720	0.236880	3.153630	0.821370	0.289150
2014	Aircraft Tractor, Narrow Body	G	100	175	348.012550	12.770590	7.240100	0.174260	0.068020
2014	Aircraft Tractor, Narrow Body	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2014	Aircraft Tractor, Wide Body	D	300	600	1.248720	0.236880	3.153630	0.821370	0.289150
2014	Aircraft Tug Towbarless Narrow	D	50	100	1.248720	0.236880	3.153630	0.821370	0.289150
2014	Aircraft Tug Towbarless Wide	D	600	750	1.248720	0.236880	3.153630	0.821370	0.289150
2014	Baggage Tractor, Commuter	C	50	100	48.376810	48.357690	12.177160	0.013230	0.056750
2014	Baggage Tractor, Commuter	D	50	100	3.887570	0.228610	3.346310	0.912310	0.556860
2014	Baggage Tractor, Commuter	G	100	175	347.957660	12.706720	7.239990	0.174260	0.068010
2014	Baggage Tractor, Commuter	L	100	175	48.376810	3.291280	12.177160	0.013230	0.056750
2014	Baggage Tractor, Narrow Body	C	50	100	48.376810	48.357690	12.177160	0.013230	0.056750
2014	Baggage Tractor, Narrow Body	D	50	100	3.887570	0.228610	3.346310	0.912310	0.556860
2014	Baggage Tractor, Narrow Body	G	100	175	347.957660	12.706720	7.239990	0.174260	0.068010
2014	Baggage Tractor, Narrow Body	L	100	175	48.376810	3.291280	12.177160	0.013230	0.056750
2014	Baggage Tractor, Wide Body	C	50	100	48.376810	48.357690	12.177160	0.013230	0.056750
2014	Baggage Tractor, Wide Body	D	50	100	3.887570	0.228610	3.346310	0.912310	0.556860
2014	Baggage Tractor, Wide Body	G	100	175	347.957660	12.706720	7.239990	0.174260	0.068010
2014	Baggage Tractor, Wide Body	L	100	175	48.376810	3.291280	12.177160	0.013230	0.056750
2014	Belt Loader, Commuter	C	50	100	33.361250	37.196310	12.176980	0.013270	0.056750
2014	Belt Loader, Commuter	D	50	100	2.534170	0.240840	3.688790	0.903380	0.447630
2014	Belt Loader, Commuter	G	100	175	241.064010	10.025060	7.243270	0.175680	0.068250
2014	Belt Loader, Commuter	L	100	175	33.361250	2.536110	12.176980	0.013270	0.056750
2014	Belt Loader, Narrow Body	C	50	100	33.361250	37.196310	12.176980	0.013270	0.056750
2014	Belt Loader, Narrow Body	D	50	100	2.534170	0.240840	3.688790	0.903380	0.447630
2014	Belt Loader, Narrow Body	G	100	175	241.064010	10.025060	7.243270	0.175680	0.068250

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Year	Type	Fuel	Min. Power	Max. Power	CO G/HPHR	HC G/HPHR	NOX G/HPHR	SOX G/HPHR	PM G/HPHR
2014	Belt Loader, Narrow Body	L	100	175	33.361250	2.536110	12.176980	0.013270	0.056750
2014	Belt Loader, Wide Body	C	50	100	33.361250	37.196310	12.176980	0.013270	0.056750
2014	Belt Loader, Wide Body	D	50	100	2.534170	0.240840	3.688790	0.903380	0.447630
2014	Belt Loader, Wide Body	G	100	175	241.064010	10.025060	7.243270	0.175680	0.068250
2014	Belt Loader, Wide Body	L	100	175	33.361250	2.536110	12.176980	0.013270	0.056750
2014	Bobtail	C	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2014	Bobtail	D	175	300	1.442350	0.245470	3.139290	0.821330	0.388260
2014	Bobtail	G	100	175	349.206790	12.711590	7.242580	0.174240	0.068200
2014	Bobtail	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2014	Cabin Service Truck, Comm/Reg	C	50	100	48.333730	48.238890	12.176080	0.013230	0.056710
2014	Cabin Service Truck, Comm/Reg	D	50	100	0.145960	0.135580	0.215100	0.586420	0.866850
2014	Cabin Service Truck, Comm/Reg	G	100	175	7.100110	1.203450	0.648420	0.298110	0.060000
2014	Cabin Service Truck, Comm/Reg	L	100	175	48.333730	3.289020	12.176080	0.013230	0.056710
2014	Cabin Service Truck, Narrow	C	300	600	48.333730	48.238890	12.176080	0.013230	0.056710
2014	Cabin Service Truck, Narrow	D	175	300	0.145960	0.135580	0.215100	0.586420	0.866850
2014	Cabin Service Truck, Narrow	G	175	300	7.100110	1.203450	0.648420	0.298110	0.060000
2014	Cabin Service Truck, Narrow	L	175	300	48.333730	3.289020	12.176080	0.013230	0.056710
2014	Cabin Service Truck, Wide Body	C	300	600	48.333730	48.238890	12.176080	0.013230	0.056710
2014	Cabin Service Truck, Wide Body	D	175	300	0.145960	0.135580	0.215100	0.586420	0.866850
2014	Cabin Service Truck, Wide Body	G	175	300	7.100110	1.203450	0.648420	0.298110	0.060000
2014	Cabin Service Truck, Wide Body	L	175	300	48.333730	3.289020	12.176080	0.013230	0.056710
2014	Cargo Loader, Narrow Body	C	50	100	48.294950	48.294410	12.175110	0.013230	0.056680
2014	Cargo Loader, Narrow Body	D	50	100	2.398570	0.523070	3.531640	0.957420	0.631150
2014	Cargo Loader, Narrow Body	G	100	175	349.347910	12.941040	7.242870	0.174240	0.068220
2014	Cargo Loader, Narrow Body	L	100	175	48.294950	3.286980	12.175110	0.013230	0.056680
2014	Cargo Loader, Wide, Lower Lobe	C	50	100	48.294950	48.294410	12.175110	0.013230	0.056680
2014	Cargo Loader, Wide, Lower Lobe	D	50	100	2.398570	0.523070	3.531640	0.957420	0.631150
2014	Cargo Loader, Wide, Lower Lobe	G	100	175	349.347910	12.941040	7.242870	0.174240	0.068220
2014	Cargo Loader, Wide, Lower Lobe	L	100	175	48.294950	3.286980	12.175110	0.013230	0.056680
2014	Cargo Loader, Wide, Main Deck	D	100	175	2.398570	0.523070	3.531640	0.957420	0.631150
2014	Cargo Tractor	C	50	100	48.370980	48.353190	12.177020	0.013230	0.056750
2014	Cargo Tractor	D	50	100	3.960070	0.392380	4.278220	0.911510	0.605630
2014	Cargo Tractor	G	100	175	351.244590	12.809150	7.246800	0.174220	0.068510
2014	Cargo Tractor	L	100	175	48.370980	3.290980	12.177020	0.013230	0.056750
2014	Cart	C	25	40	0.000000	0.000000	0.000000	0.000000	0.000000
2014	Cart	D	25	40	0.000000	0.000000	0.000000	0.000000	0.000000
2014	Cart	G	25	40	347.999810	18.636850	7.240080	0.174260	0.068020
2014	Cart	L	25	40	0.000000	0.000000	0.000000	0.000000	0.000000
2014	Catering Truck, Commuter/Reg	C	50	100	48.333730	48.238890	12.176080	0.013230	0.056710
2014	Catering Truck, Commuter/Reg	D	50	100	0.145960	0.135580	0.215100	0.586420	0.866850
2014	Catering Truck, Commuter/Reg	G	100	175	7.100110	1.203450	0.648420	0.298110	0.060000
2014	Catering Truck, Commuter/Reg	L	100	175	48.333730	3.289020	12.176080	0.013230	0.056710
2014	Catering Truck, Narrow Body	C	300	600	48.333730	48.238890	12.176080	0.013230	0.056710
2014	Catering Truck, Narrow Body	D	175	300	0.145960	0.135580	0.215100	0.586420	0.866850
2014	Catering Truck, Narrow Body	G	175	300	7.100110	1.203450	0.648420	0.298110	0.060000
2014	Catering Truck, Narrow Body	L	175	300	48.333730	3.289020	12.176080	0.013230	0.056710
2014	Catering Truck, Wide Body	C	300	600	48.333730	48.238890	12.176080	0.013230	0.056710
2014	Catering Truck, Wide Body	D	175	300	0.145960	0.135580	0.215100	0.586420	0.866850
2014	Catering Truck, Wide Body	G	175	300	7.100110	1.203450	0.648420	0.298110	0.060000
2014	Catering Truck, Wide Body	L	175	300	48.333730	3.289020	12.176080	0.013230	0.056710
2014	Deicer, Dual Engine	C	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
2014	Deicer, Dual Engine	D	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
2014	Deicer, Dual Engine	G	175	300	239.813690	10.782650	7.239520	0.175700	0.067980
2014	Deicer, Dual Engine	L	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
2014	Deicer, Single Engine	C	50	100	0.000000	0.000000	0.000000	0.000000	0.000000
2014	Deicer, Single Engine	D	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2014	Deicer, Single Engine	G	100	175	239.813690	10.782650	7.239520	0.175700	0.067980
2014	Deicer, Single Engine	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2014	Fork Lift	C	50	100	48.448760	48.413320	12.178970	0.013230	0.056820
2014	Fork Lift	D	50	100	2.639250	0.660190	4.447580	0.956750	0.647530
2014	Fork Lift	G	50	100	347.999820	13.403710	7.240080	0.174260	0.068020
2014	Fork Lift	L	50	100	48.448760	3.295070	12.178970	0.013230	0.056820
2014	Fuel Truck, Ground Equipment	C	300	600	48.294950	48.208970	12.175110	0.013230	0.056680
2014	Fuel Truck, Ground Equipment	D	175	300	0.314690	0.175060	0.733760	0.633940	0.710750
2014	Fuel Truck, Ground Equipment	G	175	300	7.146320	1.611820	1.276160	0.297900	0.060000
2014	Fuel Truck, Ground Equipment	L	175	300	48.294950	3.286980	12.175110	0.013230	0.056680
2014	Fuel Truck, Large, 8,000+ gal	D	300	600	0.314690	0.175060	0.733760	0.633940	0.710750
2014	Fuel Truck, MidSize, 3-6,000 g	C	300	600	48.294950	48.208970	12.175110	0.013230	0.056680

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Table F1

Ground Support Equipment Emission Indices

Year	Type	Fuel	Min. Power	Max. Power	CO G/HPHR	HC G/HPHR	NOX G/HPHR	SOX G/HPHR	PM G/HPHR
2014	Fuel Truck, MidSize, 3-6,000 g	D	175	300	0.314690	0.175060	0.733760	0.633940	0.710750
2014	Fuel Truck, MidSize, 3-6,000 g	G	300	600	7.146320	1.611820	1.276160	0.297900	0.060000
2014	Fuel Truck, MidSize, 3-6,000 g	L	300	600	48.294950	3.286980	12.175110	0.013230	0.056680
2014	Fuel Truck, Small, < 3,000 gal	C	300	600	48.294950	48.208970	12.175110	0.013230	0.056680
2014	Fuel Truck, Small, < 3,000 gal	D	175	300	0.314690	0.175060	0.733760	0.633940	0.710750
2014	Fuel Truck, Small, < 3,000 gal	G	300	600	7.146320	1.611820	1.276160	0.297900	0.060000
2014	Fuel Truck, Small, < 3,000 gal	L	300	600	48.294950	3.286980	12.175110	0.013230	0.056680
2014	Generator	C	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2014	Generator	D	100	175	1.029230	0.286110	4.032150	0.812260	0.327260
2014	Generator	G	100	175	239.999860	9.899160	7.240080	0.175700	0.068020
2014	Generator	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2014	Ground Power Unit, 28VDC	C	50	100	0.000000	0.000000	0.000000	0.000000	0.000000
2014	Ground Power Unit, 28VDC	D	50	100	0.935720	0.201740	2.950960	0.812670	0.331950
2014	Ground Power Unit, 28VDC	G	100	175	239.851450	9.811900	7.239630	0.175700	0.067980
2014	Ground Power Unit, 28VDC	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2014	Ground Power Unit, 400 Hz	D	175	300	0.935720	0.201740	2.950960	0.812670	0.331950
2014	Hydrant Truck, Narrow Body	C	300	600	0.000000	0.000000	0.000000	0.000000	0.000000
2014	Hydrant Truck, Narrow Body	D	175	300	0.533480	0.229110	1.796380	0.688440	0.549410
2014	Hydrant Truck, Narrow Body	G	175	300	7.100120	1.162350	0.809770	0.298070	0.060000
2014	Hydrant Truck, Narrow Body	L	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
2014	Hydrant Truck, Wide Body	C	300	600	0.000000	0.000000	0.000000	0.000000	0.000000
2014	Hydrant Truck, Wide Body	D	175	300	0.533480	0.229110	1.796380	0.688440	0.549410
2014	Hydrant Truck, Wide Body	G	175	300	7.100120	1.162350	0.809770	0.298070	0.060000
2014	Hydrant Truck, Wide Body	L	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
2014	Lavatory Truck, Narrow Body	C	50	100	48.294960	48.208970	12.175110	0.013230	0.056680
2014	Lavatory Truck, Narrow Body	D	50	100	0.463700	0.212220	1.485200	0.675230	0.578250
2014	Lavatory Truck, Narrow Body	G	50	100	7.100120	1.171810	0.331660	0.298190	0.060000
2014	Lavatory Truck, Narrow Body	L	50	100	48.294960	3.286980	12.175110	0.013230	0.056680
2014	Lavatory Truck, Wide Body	C	300	600	48.294960	48.208970	12.175110	0.013230	0.056680
2014	Lavatory Truck, Wide Body	D	175	300	0.463700	0.212220	1.485200	0.675230	0.578250
2014	Lavatory Truck, Wide Body	G	175	300	7.100120	1.171810	0.331660	0.298190	0.060000
2014	Lavatory Truck, Wide Body	L	175	300	48.294960	3.286980	12.175110	0.013230	0.056680
2014	Lift	C	100	175	48.294960	48.294420	12.175110	0.013230	0.056680
2014	Lift	D	100	175	2.637450	0.659620	4.444470	0.956760	0.646930
2014	Lift	G	100	175	348.460940	12.914510	7.241030	0.174250	0.068090
2014	Lift	L	100	175	48.294960	3.286980	12.175110	0.013230	0.056680
2014	Other	C	0	9999	48.312040	48.307620	12.175540	0.013230	0.056690
2014	Other	D	0	9999	1.433500	0.239290	3.076330	0.821360	0.389880
2014	Other	G	0	9999	348.162740	12.856490	7.240410	0.174260	0.068040
2014	Other	L	0	9999	48.312040	3.287870	12.175540	0.013230	0.056690
2014	Passenger Stand	C	50	100	48.245940	48.171130	12.173880	0.013230	0.056630
2014	Passenger Stand	D	50	100	0.529710	0.228240	1.777380	0.687660	0.551290
2014	Passenger Stand	G	100	175	7.489620	2.787080	1.593180	0.297260	0.060070
2014	Passenger Stand	L	100	175	48.245940	3.284400	12.173880	0.013230	0.056630
2014	Service Truck	C	300	600	48.295790	48.209610	12.175130	0.013230	0.056680
2014	Service Truck	D	175	300	0.379470	0.190730	1.002580	0.652390	0.650290
2014	Service Truck	G	175	300	7.470900	2.310940	1.591970	0.297290	0.060070
2014	Service Truck	L	175	300	48.295790	3.287020	12.175130	0.013230	0.056680
2014	Sweeper	C	40	50	48.387020	48.365580	12.177420	0.013230	0.056760
2014	Sweeper	D	50	100	3.959990	0.392370	4.278200	0.911510	0.605590
2014	Sweeper	G	50	100	348.012230	13.289680	7.240100	0.174260	0.068020
2014	Sweeper	L	40	50	48.387020	3.291820	12.177420	0.013230	0.056760
2014	Water Service	C	300	600	0.000000	0.000000	0.000000	0.000000	0.000000
2014	Water Service	D	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
2014	Water Service	G	175	300	7.489620	2.236260	1.593180	0.297260	0.060070
2014	Water Service	L	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
2015	Air Conditioner, Narrow Body	D	175	300	0.937390	0.193390	2.841380	0.812710	0.334440
2015	Air Conditioner, Wide Body	D	175	300	0.937390	0.193390	2.841380	0.812710	0.334440
2015	Air Start	G	175	300	239.999870	11.790200	7.240080	0.175700	0.068020
2015	Air Start, 180 PPM	D	300	600	1.020710	0.198500	3.667310	0.812690	0.233840
2015	Air Start, 300 PPM	D	750	1000	1.020710	0.198500	3.667310	0.812690	0.233840
2015	Aircraft Tractor, Commuter/Reg	C	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2015	Aircraft Tractor, Commuter/Reg	D	50	100	1.241520	0.226590	3.023860	0.821420	0.289010
2015	Aircraft Tractor, Commuter/Reg	G	100	175	348.012550	12.770590	7.240100	0.174260	0.068020
2015	Aircraft Tractor, Commuter/Reg	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2015	Aircraft Tractor, Mid-Range	D	175	300	1.241520	0.226590	3.023860	0.821420	0.289010
2015	Aircraft Tractor, Narrow Body	C	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2015	Aircraft Tractor, Narrow Body	D	50	100	1.241520	0.226590	3.023860	0.821420	0.289010

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Year	Type	Fuel	Min. Power	Max. Power	CO G/HPHR	HC G/HPHR	NOX G/HPHR	SOX G/HPHR	PM G/HPHR
2015	Aircraft Tractor, Narrow Body	G	100	175	348.012550	12.770590	7.240100	0.174260	0.068020
2015	Aircraft Tractor, Narrow Body	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2015	Aircraft Tractor, Wide Body	D	300	600	1.241520	0.226590	3.023860	0.821420	0.289010
2015	Aircraft Tug Towbarless Narrow	D	50	100	1.241520	0.226590	3.023860	0.821420	0.289010
2015	Aircraft Tug Towbarless Wide	D	600	750	1.241520	0.226590	3.023860	0.821420	0.289010
2015	Baggage Tractor, Commuter	C	50	100	48.376810	48.357700	12.177160	0.013230	0.056750
2015	Baggage Tractor, Commuter	D	50	100	3.894910	0.216810	3.271690	0.912370	0.559320
2015	Baggage Tractor, Commuter	G	100	175	347.957680	12.706720	7.239990	0.174260	0.068010
2015	Baggage Tractor, Commuter	L	100	175	48.376810	3.291280	12.177160	0.013230	0.056750
2015	Baggage Tractor, Narrow Body	C	50	100	48.376810	48.357700	12.177160	0.013230	0.056750
2015	Baggage Tractor, Narrow Body	D	50	100	3.894910	0.216810	3.271690	0.912370	0.559320
2015	Baggage Tractor, Narrow Body	G	100	175	347.957680	12.706720	7.239990	0.174260	0.068010
2015	Baggage Tractor, Narrow Body	L	100	175	48.376810	3.291280	12.177160	0.013230	0.056750
2015	Baggage Tractor, Wide Body	C	50	100	48.376810	48.357700	12.177160	0.013230	0.056750
2015	Baggage Tractor, Wide Body	D	50	100	3.894910	0.216810	3.271690	0.912370	0.559320
2015	Baggage Tractor, Wide Body	G	100	175	347.957680	12.706720	7.239990	0.174260	0.068010
2015	Baggage Tractor, Wide Body	L	100	175	48.376810	3.291280	12.177160	0.013230	0.056750
2015	Belt Loader, Commuter	C	50	100	33.361250	37.196310	12.176980	0.013270	0.056750
2015	Belt Loader, Commuter	D	50	100	2.542870	0.220450	3.547920	0.903480	0.456070
2015	Belt Loader, Commuter	G	100	175	241.064040	10.025060	7.243270	0.175680	0.068250
2015	Belt Loader, Commuter	L	100	175	33.361250	2.536110	12.176980	0.013270	0.056750
2015	Belt Loader, Narrow Body	C	50	100	33.361250	37.196310	12.176980	0.013270	0.056750
2015	Belt Loader, Narrow Body	D	50	100	2.542870	0.220450	3.547920	0.903480	0.456070
2015	Belt Loader, Narrow Body	G	100	175	241.064040	10.025060	7.243270	0.175680	0.068250
2015	Belt Loader, Narrow Body	L	100	175	33.361250	2.536110	12.176980	0.013270	0.056750
2015	Belt Loader, Wide Body	C	50	100	33.361250	37.196310	12.176980	0.013270	0.056750
2015	Belt Loader, Wide Body	D	50	100	2.542870	0.220450	3.547920	0.903480	0.456070
2015	Belt Loader, Wide Body	G	100	175	241.064040	10.025060	7.243270	0.175680	0.068250
2015	Belt Loader, Wide Body	L	100	175	33.361250	2.536110	12.176980	0.013270	0.056750
2015	Bobtail	C	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2015	Bobtail	D	175	300	1.435540	0.231900	3.000640	0.821390	0.394470
2015	Bobtail	G	100	175	349.206800	12.711590	7.242580	0.174240	0.068200
2015	Bobtail	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2015	Cabin Service Truck, Comm/Reg	C	50	100	48.333730	48.238890	12.176080	0.013230	0.056710
2015	Cabin Service Truck, Comm/Reg	D	50	100	0.137570	0.133660	0.196150	0.584110	0.874400
2015	Cabin Service Truck, Comm/Reg	G	100	175	7.100120	1.139440	0.510500	0.298150	0.060000
2015	Cabin Service Truck, Comm/Reg	L	100	175	48.333730	3.289020	12.176080	0.013230	0.056710
2015	Cabin Service Truck, Narrow	C	300	600	48.333730	48.238890	12.176080	0.013230	0.056710
2015	Cabin Service Truck, Narrow	D	175	300	0.137570	0.133660	0.196150	0.584110	0.874400
2015	Cabin Service Truck, Narrow	G	175	300	7.100120	1.139440	0.510500	0.298150	0.060000
2015	Cabin Service Truck, Narrow	L	175	300	48.333730	3.289020	12.176080	0.013230	0.056710
2015	Cabin Service Truck, Wide Body	C	300	600	48.333730	48.238890	12.176080	0.013230	0.056710
2015	Cabin Service Truck, Wide Body	D	175	300	0.137570	0.133660	0.196150	0.584110	0.874400
2015	Cabin Service Truck, Wide Body	G	175	300	7.100120	1.139440	0.510500	0.298150	0.060000
2015	Cabin Service Truck, Wide Body	L	175	300	48.333730	3.289020	12.176080	0.013230	0.056710
2015	Cargo Loader, Narrow Body	C	50	100	48.294960	48.294410	12.175110	0.013230	0.056680
2015	Cargo Loader, Narrow Body	D	50	100	2.397980	0.492960	3.377600	0.957570	0.643300
2015	Cargo Loader, Narrow Body	G	100	175	349.347890	12.941040	7.242870	0.174240	0.068220
2015	Cargo Loader, Narrow Body	L	100	175	48.294960	3.286980	12.175110	0.013230	0.056680
2015	Cargo Loader, Wide, Lower Lobe	C	50	100	48.294960	48.294410	12.175110	0.013230	0.056680
2015	Cargo Loader, Wide, Lower Lobe	D	50	100	2.397980	0.492960	3.377600	0.957570	0.643300
2015	Cargo Loader, Wide, Lower Lobe	G	100	175	349.347890	12.941040	7.242870	0.174240	0.068220
2015	Cargo Loader, Wide, Lower Lobe	L	100	175	48.294960	3.286980	12.175110	0.013230	0.056680
2015	Cargo Loader, Wide, Main Deck	D	100	175	2.397980	0.492960	3.377600	0.957570	0.643300
2015	Cargo Tractor	C	50	100	48.370990	48.353190	12.177020	0.013230	0.056750
2015	Cargo Tractor	D	50	100	3.941460	0.364950	4.121930	0.911640	0.592420
2015	Cargo Tractor	G	100	175	351.244610	12.809150	7.246800	0.174220	0.068510
2015	Cargo Tractor	L	100	175	48.370990	3.290980	12.177020	0.013230	0.056750
2015	Cart	C	25	40	0.000000	0.000000	0.000000	0.000000	0.000000
2015	Cart	D	25	40	0.000000	0.000000	0.000000	0.000000	0.000000
2015	Cart	G	25	40	347.999810	18.636850	7.240080	0.174260	0.068020
2015	Cart	L	25	40	0.000000	0.000000	0.000000	0.000000	0.000000
2015	Catering Truck, Commuter/Reg	C	50	100	48.333730	48.238890	12.176080	0.013230	0.056710
2015	Catering Truck, Commuter/Reg	D	50	100	0.137570	0.133660	0.196150	0.584110	0.874400
2015	Catering Truck, Commuter/Reg	G	100	175	7.100120	1.139440	0.510500	0.298150	0.060000
2015	Catering Truck, Commuter/Reg	L	100	175	48.333730	3.289020	12.176080	0.013230	0.056710
2015	Catering Truck, Narrow Body	C	300	600	48.333730	48.238890	12.176080	0.013230	0.056710
2015	Catering Truck, Narrow Body	D	175	300	0.137570	0.133660	0.196150	0.584110	0.874400

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Year	Type	Fuel	Min. Power	Max. Power	CO G/HPHR	HC G/HPHR	NOX G/HPHR	SOX G/HPHR	PM G/HPHR
2015	Catering Truck, Narrow Body	G	175	300	7.100120	1.139440	0.510500	0.298150	0.060000
2015	Catering Truck, Narrow Body	L	175	300	48.333730	3.289020	12.176080	0.013230	0.056710
2015	Catering Truck, Wide Body	C	300	600	48.333730	48.238890	12.176080	0.013230	0.056710
2015	Catering Truck, Wide Body	D	175	300	0.137570	0.133660	0.196150	0.584110	0.874400
2015	Catering Truck, Wide Body	G	175	300	7.100120	1.139440	0.510500	0.298150	0.060000
2015	Catering Truck, Wide Body	L	175	300	48.333730	3.289020	12.176080	0.013230	0.056710
2015	Deicer, Dual Engine	C	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
2015	Deicer, Dual Engine	D	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
2015	Deicer, Dual Engine	G	175	300	239.813770	10.782650	7.239520	0.175700	0.067980
2015	Deicer, Dual Engine	L	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
2015	Deicer, Single Engine	C	50	100	0.000000	0.000000	0.000000	0.000000	0.000000
2015	Deicer, Single Engine	D	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2015	Deicer, Single Engine	G	100	175	239.813770	10.782650	7.239520	0.175700	0.067980
2015	Deicer, Single Engine	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2015	Fork Lift	C	50	100	48.448770	48.413330	12.178970	0.013230	0.056820
2015	Fork Lift	D	50	100	2.590940	0.628560	4.228550	0.956910	0.642850
2015	Fork Lift	G	50	100	347.999800	13.403710	7.240080	0.174260	0.068020
2015	Fork Lift	L	50	100	48.448770	3.295070	12.178970	0.013230	0.056820
2015	Fuel Truck, Ground Equipment	C	300	600	48.294960	48.208970	12.175110	0.013230	0.056680
2015	Fuel Truck, Ground Equipment	D	175	300	0.253140	0.160610	0.560840	0.616530	0.768090
2015	Fuel Truck, Ground Equipment	G	175	300	7.115440	1.487920	1.047370	0.298000	0.060000
2015	Fuel Truck, Ground Equipment	L	175	300	48.294960	3.286980	12.175110	0.013230	0.056680
2015	Fuel Truck, Large, 8,000+ gal	D	300	600	0.253140	0.160610	0.560840	0.616530	0.768090
2015	Fuel Truck, MidSize, 3-6,000 g	C	300	600	48.294960	48.208970	12.175110	0.013230	0.056680
2015	Fuel Truck, MidSize, 3-6,000 g	D	175	300	0.253140	0.160610	0.560840	0.616530	0.768090
2015	Fuel Truck, MidSize, 3-6,000 g	G	300	600	7.115440	1.487920	1.047370	0.298000	0.060000
2015	Fuel Truck, MidSize, 3-6,000 g	L	300	600	48.294960	3.286980	12.175110	0.013230	0.056680
2015	Fuel Truck, Small, < 3,000 gal	C	300	600	48.294960	48.208970	12.175110	0.013230	0.056680
2015	Fuel Truck, Small, < 3,000 gal	D	175	300	0.253140	0.160610	0.560840	0.616530	0.768090
2015	Fuel Truck, Small, < 3,000 gal	G	300	600	7.115440	1.487920	1.047370	0.298000	0.060000
2015	Fuel Truck, Small, < 3,000 gal	L	300	600	48.294960	3.286980	12.175110	0.013230	0.056680
2015	Generator	C	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2015	Generator	D	100	175	1.010470	0.272130	3.834110	0.812330	0.325270
2015	Generator	G	100	175	239.999860	9.899160	7.240080	0.175700	0.068020
2015	Generator	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2015	Ground Power Unit, 28VDC	C	50	100	0.000000	0.000000	0.000000	0.000000	0.000000
2015	Ground Power Unit, 28VDC	D	50	100	0.936990	0.196520	2.884300	0.812700	0.333880
2015	Ground Power Unit, 28VDC	G	100	175	239.851460	9.811900	7.239630	0.175700	0.067980
2015	Ground Power Unit, 28VDC	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2015	Ground Power Unit, 400 Hz	D	175	300	0.936990	0.196520	2.884300	0.812700	0.333880
2015	Hydrant Truck, Narrow Body	C	300	600	0.000000	0.000000	0.000000	0.000000	0.000000
2015	Hydrant Truck, Narrow Body	D	175	300	0.478600	0.215640	1.540380	0.674710	0.590050
2015	Hydrant Truck, Narrow Body	G	175	300	7.100120	1.045510	0.588400	0.298130	0.060000
2015	Hydrant Truck, Narrow Body	L	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
2015	Hydrant Truck, Wide Body	C	300	600	0.000000	0.000000	0.000000	0.000000	0.000000
2015	Hydrant Truck, Wide Body	D	175	300	0.478600	0.215640	1.540380	0.674710	0.590050
2015	Hydrant Truck, Wide Body	G	175	300	7.100120	1.045510	0.588400	0.298130	0.060000
2015	Hydrant Truck, Wide Body	L	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
2015	Lavatory Truck, Narrow Body	C	50	100	48.294960	48.208980	12.175110	0.013230	0.056680
2015	Lavatory Truck, Narrow Body	D	50	100	0.410160	0.198880	1.219810	0.660380	0.625730
2015	Lavatory Truck, Narrow Body	G	50	100	7.100120	1.149030	0.284660	0.298200	0.060000
2015	Lavatory Truck, Narrow Body	L	50	100	48.294960	3.286980	12.175110	0.013230	0.056680
2015	Lavatory Truck, Wide Body	C	300	600	48.294960	48.208980	12.175110	0.013230	0.056680
2015	Lavatory Truck, Wide Body	D	175	300	0.410160	0.198880	1.219810	0.660380	0.625730
2015	Lavatory Truck, Wide Body	G	175	300	7.100120	1.149030	0.284660	0.298200	0.060000
2015	Lavatory Truck, Wide Body	L	175	300	48.294960	3.286980	12.175110	0.013230	0.056680
2015	Lift	C	100	175	48.294960	48.294410	12.175110	0.013230	0.056680
2015	Lift	D	100	175	2.589130	0.627980	4.225370	0.956910	0.642250
2015	Lift	G	100	175	348.460960	12.914510	7.241030	0.174250	0.068090
2015	Lift	L	100	175	48.294960	3.286980	12.175110	0.013230	0.056680
2015	Other	C	0	9999	48.312050	48.307620	12.175540	0.013230	0.056690
2015	Other	D	0	9999	1.429950	0.225400	2.939310	0.821430	0.397270
2015	Other	G	0	9999	348.162740	12.856490	7.240410	0.174260	0.068040
2015	Other	L	0	9999	48.312050	3.287870	12.175540	0.013230	0.056690
2015	Passenger Stand	C	50	100	48.245940	48.171140	12.173880	0.013230	0.056630
2015	Passenger Stand	D	50	100	0.474480	0.214690	1.519760	0.673840	0.592180
2015	Passenger Stand	G	100	175	7.379780	2.666550	1.377110	0.297500	0.060050
2015	Passenger Stand	L	100	175	48.245940	3.284400	12.173880	0.013230	0.056630

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Year	Type	Fuel	Min. Power	Max. Power	CO G/HPHR	HC G/HPHR	NOX G/HPHR	SOX G/HPHR	PM G/HPHR
2015	Service Truck	C	300	600	48.295800	48.209630	12.175130	0.013230	0.056680
2015	Service Truck	D	175	300	0.322560	0.176910	0.761470	0.635990	0.704230
2015	Service Truck	G	175	300	7.361030	2.190380	1.375850	0.297530	0.060050
2015	Service Truck	L	175	300	48.295800	3.287020	12.175130	0.013230	0.056680
2015	Sweeper	C	40	50	48.387020	48.365580	12.177420	0.013230	0.056760
2015	Sweeper	D	50	100	3.941390	0.364940	4.121920	0.911640	0.592390
2015	Sweeper	G	50	100	348.012340	13.289690	7.240100	0.174260	0.068020
2015	Sweeper	L	40	50	48.387020	3.291820	12.177420	0.013230	0.056760
2015	Water Service	C	300	600	0.000000	0.000000	0.000000	0.000000	0.000000
2015	Water Service	D	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
2015	Water Service	G	175	300	7.379780	2.115730	1.377110	0.297530	0.060050
2015	Water Service	L	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
2016	Air Conditioner, Narrow Body	D	175	300	0.938040	0.190830	2.810100	0.812730	0.335470
2016	Air Conditioner, Wide Body	D	175	300	0.938040	0.190830	2.810100	0.812730	0.335470
2016	Air Start	G	175	300	239.999850	11.795900	7.240080	0.175700	0.068020
2016	Air Start, 180 PPM	D	300	600	0.994390	0.193640	3.497110	0.812710	0.232290
2016	Air Start, 300 PPM	D	750	1000	0.994390	0.193640	3.497110	0.812710	0.232290
2016	Aircraft Tractor, Commuter/Reg	C	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2016	Aircraft Tractor, Commuter/Reg	D	50	100	1.234380	0.216960	2.907960	0.821470	0.289470
2016	Aircraft Tractor, Commuter/Reg	G	100	175	348.012560	12.771260	7.240100	0.174260	0.068020
2016	Aircraft Tractor, Commuter/Reg	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2016	Aircraft Tractor, Mid-Range	D	175	300	1.234380	0.216960	2.907960	0.821470	0.289470
2016	Aircraft Tractor, Narrow Body	C	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2016	Aircraft Tractor, Narrow Body	D	50	100	1.234380	0.216960	2.907960	0.821470	0.289470
2016	Aircraft Tractor, Narrow Body	G	100	175	348.012560	12.771260	7.240100	0.174260	0.068020
2016	Aircraft Tractor, Narrow Body	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2016	Aircraft Tractor, Wide Body	D	300	600	1.234380	0.216960	2.907960	0.821470	0.289470
2016	Aircraft Tug Towbarless Narrow	D	50	100	1.234380	0.216960	2.907960	0.821470	0.289470
2016	Aircraft Tug Towbarless Wide	D	600	750	1.234380	0.216960	2.907960	0.821470	0.289470
2016	Baggage Tractor, Commuter	C	50	100	48.376810	48.357690	12.177160	0.013230	0.056750
2016	Baggage Tractor, Commuter	D	50	100	3.899900	0.208630	3.220260	0.912410	0.560150
2016	Baggage Tractor, Commuter	G	100	175	347.957700	12.707210	7.239990	0.174260	0.068010
2016	Baggage Tractor, Commuter	L	100	175	48.376810	3.291280	12.177160	0.013230	0.056750
2016	Baggage Tractor, Narrow Body	C	50	100	48.376810	48.357690	12.177160	0.013230	0.056750
2016	Baggage Tractor, Narrow Body	D	50	100	3.899900	0.208630	3.220260	0.912410	0.560150
2016	Baggage Tractor, Narrow Body	G	100	175	347.957700	12.707210	7.239990	0.174260	0.068010
2016	Baggage Tractor, Narrow Body	L	100	175	48.376810	3.291280	12.177160	0.013230	0.056750
2016	Baggage Tractor, Wide Body	C	50	100	48.376810	48.357690	12.177160	0.013230	0.056750
2016	Baggage Tractor, Wide Body	D	50	100	3.899900	0.208630	3.220260	0.912410	0.560150
2016	Baggage Tractor, Wide Body	G	100	175	347.957700	12.707210	7.239990	0.174260	0.068010
2016	Baggage Tractor, Wide Body	L	100	175	48.376810	3.291280	12.177160	0.013230	0.056750
2016	Belt Loader, Commuter	C	50	100	33.361250	37.196310	12.176980	0.013270	0.056750
2016	Belt Loader, Commuter	D	50	100	2.548620	0.207530	3.459460	0.903540	0.459940
2016	Belt Loader, Commuter	G	100	175	241.064060	10.025830	7.243270	0.175680	0.068250
2016	Belt Loader, Commuter	L	100	175	33.361250	2.536110	12.176980	0.013270	0.056750
2016	Belt Loader, Narrow Body	C	50	100	33.361250	37.196310	12.176980	0.013270	0.056750
2016	Belt Loader, Narrow Body	D	50	100	2.548620	0.207530	3.459460	0.903540	0.459940
2016	Belt Loader, Narrow Body	G	100	175	241.064060	10.025830	7.243270	0.175680	0.068250
2016	Belt Loader, Narrow Body	L	100	175	33.361250	2.536110	12.176980	0.013270	0.056750
2016	Belt Loader, Wide Body	C	50	100	33.361250	37.196310	12.176980	0.013270	0.056750
2016	Belt Loader, Wide Body	D	50	100	2.548620	0.207530	3.459460	0.903540	0.459940
2016	Belt Loader, Wide Body	G	100	175	241.064060	10.025830	7.243270	0.175680	0.068250
2016	Belt Loader, Wide Body	L	100	175	33.361250	2.536110	12.176980	0.013270	0.056750
2016	Bobtail	C	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2016	Bobtail	D	175	300	1.432120	0.219640	2.881040	0.821450	0.401170
2016	Bobtail	G	100	175	349.206770	12.712000	7.242580	0.174240	0.068200
2016	Bobtail	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2016	Cabin Service Truck, Comm/Reg	C	50	100	48.333730	48.238890	12.176080	0.013230	0.056710
2016	Cabin Service Truck, Comm/Reg	D	50	100	0.132530	0.132520	0.186110	0.582730	0.878920
2016	Cabin Service Truck, Comm/Reg	G	100	175	7.100120	1.102210	0.418600	0.298160	0.060000
2016	Cabin Service Truck, Comm/Reg	L	100	175	48.333730	3.289020	12.176080	0.013230	0.056710
2016	Cabin Service Truck, Narrow	C	300	600	48.333730	48.238890	12.176080	0.013230	0.056710
2016	Cabin Service Truck, Narrow	D	175	300	0.132530	0.132520	0.186110	0.582730	0.878920
2016	Cabin Service Truck, Narrow	G	175	300	7.100120	1.102210	0.418600	0.298160	0.060000
2016	Cabin Service Truck, Narrow	L	175	300	48.333730	3.289020	12.176080	0.013230	0.056710
2016	Cabin Service Truck, Wide Body	C	300	600	48.333730	48.238890	12.176080	0.013230	0.056710
2016	Cabin Service Truck, Wide Body	D	175	300	0.132530	0.132520	0.186110	0.582730	0.878920
2016	Cabin Service Truck, Wide Body	G	175	300	7.100120	1.102210	0.418600	0.298160	0.060000

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Year	Type	Fuel	Min. Power	Max. Power	CO G/HPHR	HC G/HPHR	NOX G/HPHR	SOX G/HPHR	PM G/HPHR
2016	Cabin Service Truck, Wide Body	L	175	300	48.333730	3.289020	12.176080	0.013230	0.056710
2016	Cargo Loader, Narrow Body	C	50	100	48.294960	48.294410	12.175110	0.013230	0.056680
2016	Cargo Loader, Narrow Body	D	50	100	2.396710	0.468110	3.250930	0.957690	0.653500
2016	Cargo Loader, Narrow Body	G	100	175	349.347940	12.942080	7.242870	0.174240	0.068220
2016	Cargo Loader, Narrow Body	L	100	175	48.294960	3.286980	12.175110	0.013230	0.056680
2016	Cargo Loader, Wide, Lower Lobe	C	50	100	48.294960	48.294410	12.175110	0.013230	0.056680
2016	Cargo Loader, Wide, Lower Lobe	D	50	100	2.396710	0.468110	3.250930	0.957690	0.653500
2016	Cargo Loader, Wide, Lower Lobe	G	100	175	349.347940	12.942080	7.242870	0.174240	0.068220
2016	Cargo Loader, Wide, Lower Lobe	L	100	175	48.294960	3.286980	12.175110	0.013230	0.056680
2016	Cargo Loader, Wide, Main Deck	D	100	175	2.396710	0.468110	3.250930	0.957690	0.653500
2016	Cargo Tractor	C	50	100	48.370990	48.353190	12.177020	0.013230	0.056750
2016	Cargo Tractor	D	50	100	3.928150	0.339530	3.973760	0.911770	0.580850
2016	Cargo Tractor	G	100	175	351.244620	12.809680	7.246800	0.174220	0.068510
2016	Cargo Tractor	L	100	175	48.370990	3.290980	12.177020	0.013230	0.056750
2016	Cart	C	25	40	0.000000	0.000000	0.000000	0.000000	0.000000
2016	Cart	D	25	40	0.000000	0.000000	0.000000	0.000000	0.000000
2016	Cart	G	25	40	347.999800	18.653580	7.240080	0.174260	0.068020
2016	Cart	L	25	40	0.000000	0.000000	0.000000	0.000000	0.000000
2016	Catering Truck, Commuter/Reg	C	50	100	48.333730	48.238890	12.176080	0.013230	0.056710
2016	Catering Truck, Commuter/Reg	D	50	100	0.132530	0.132520	0.186110	0.582730	0.878920
2016	Catering Truck, Commuter/Reg	G	100	175	7.100120	1.102210	0.418600	0.298160	0.060000
2016	Catering Truck, Commuter/Reg	L	100	175	48.333730	3.289020	12.176080	0.013230	0.056710
2016	Catering Truck, Narrow Body	C	300	600	48.333730	48.238890	12.176080	0.013230	0.056710
2016	Catering Truck, Narrow Body	D	175	300	0.132530	0.132520	0.186110	0.582730	0.878920
2016	Catering Truck, Narrow Body	G	175	300	7.100120	1.102210	0.418600	0.298160	0.060000
2016	Catering Truck, Narrow Body	L	175	300	48.333730	3.289020	12.176080	0.013230	0.056710
2016	Catering Truck, Wide Body	C	300	600	48.333730	48.238890	12.176080	0.013230	0.056710
2016	Catering Truck, Wide Body	D	175	300	0.132530	0.132520	0.186110	0.582730	0.878920
2016	Catering Truck, Wide Body	G	175	300	7.100120	1.102210	0.418600	0.298160	0.060000
2016	Catering Truck, Wide Body	L	175	300	48.333730	3.289020	12.176080	0.013230	0.056710
2016	Deicer, Dual Engine	C	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
2016	Deicer, Dual Engine	D	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
2016	Deicer, Dual Engine	G	175	300	239.813730	10.785610	7.239520	0.175700	0.067980
2016	Deicer, Dual Engine	L	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
2016	Deicer, Single Engine	C	50	100	0.000000	0.000000	0.000000	0.000000	0.000000
2016	Deicer, Single Engine	D	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2016	Deicer, Single Engine	G	100	175	239.813730	10.785610	7.239520	0.175700	0.067980
2016	Deicer, Single Engine	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2016	Fork Lift	C	50	100	48.448760	48.413320	12.178970	0.013230	0.056820
2016	Fork Lift	D	50	100	2.553810	0.599290	4.021900	0.957050	0.638850
2016	Fork Lift	G	50	100	347.999800	13.406110	7.240080	0.174260	0.068020
2016	Fork Lift	L	50	100	48.448760	3.295070	12.178970	0.013230	0.056820
2016	Fuel Truck, Ground Equipment	C	300	600	48.294960	48.208970	12.175110	0.013230	0.056680
2016	Fuel Truck, Ground Equipment	D	175	300	0.200530	0.148410	0.420670	0.601860	0.816230
2016	Fuel Truck, Ground Equipment	G	175	300	7.108840	1.375640	0.836930	0.298060	0.060000
2016	Fuel Truck, Ground Equipment	L	175	300	48.294960	3.286980	12.175110	0.013230	0.056680
2016	Fuel Truck, Large, 8,000+ gal	D	300	600	0.200530	0.148410	0.420670	0.601860	0.816230
2016	Fuel Truck, MidSize, 3-6,000 g	C	300	600	48.294960	48.208970	12.175110	0.013230	0.056680
2016	Fuel Truck, MidSize, 3-6,000 g	D	175	300	0.200530	0.148410	0.420670	0.601860	0.816230
2016	Fuel Truck, MidSize, 3-6,000 g	G	300	600	7.108840	1.375640	0.836930	0.298060	0.060000
2016	Fuel Truck, MidSize, 3-6,000 g	L	300	600	48.294960	3.286980	12.175110	0.013230	0.056680
2016	Fuel Truck, Small, < 3,000 gal	C	300	600	48.294960	48.208970	12.175110	0.013230	0.056680
2016	Fuel Truck, Small, < 3,000 gal	D	175	300	0.200530	0.148410	0.420670	0.601860	0.816230
2016	Fuel Truck, Small, < 3,000 gal	G	300	600	7.108840	1.375640	0.836930	0.298060	0.060000
2016	Fuel Truck, Small, < 3,000 gal	L	300	600	48.294960	3.286980	12.175110	0.013230	0.056680
2016	Generator	C	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2016	Generator	D	100	175	0.996040	0.259190	3.647270	0.812390	0.323590
2016	Generator	G	100	175	239.999850	9.899680	7.240080	0.175700	0.068020
2016	Generator	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2016	Ground Power Unit, 28VDC	C	50	100	0.000000	0.000000	0.000000	0.000000	0.000000
2016	Ground Power Unit, 28VDC	D	50	100	0.937910	0.192850	2.835530	0.812720	0.335080
2016	Ground Power Unit, 28VDC	G	100	175	239.851430	9.812200	7.239630	0.175700	0.067980
2016	Ground Power Unit, 28VDC	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2016	Ground Power Unit, 400 Hz	D	175	300	0.937910	0.192850	2.835530	0.812720	0.335080
2016	Hydrant Truck, Narrow Body	C	300	600	0.000000	0.000000	0.000000	0.000000	0.000000
2016	Hydrant Truck, Narrow Body	D	175	300	0.425420	0.202650	1.299310	0.661470	0.629010
2016	Hydrant Truck, Narrow Body	G	175	300	7.100120	0.997530	0.479550	0.298150	0.060000
2016	Hydrant Truck, Narrow Body	L	175	300	0.000000	0.000000	0.000000	0.000000	0.000000

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Year	Type	Fuel	Min. Power	Max. Power	CO G/HPHR	HC G/HPHR	NOX G/HPHR	SOX G/HPHR	PM G/HPHR
2016	Hydrant Truck, Wide Body	C	300	600	0.000000	0.000000	0.000000	0.000000	0.000000
2016	Hydrant Truck, Wide Body	D	175	300	0.425420	0.202650	1.299310	0.661470	0.629010
2016	Hydrant Truck, Wide Body	G	175	300	7.100120	0.997530	0.479550	0.298150	0.060000
2016	Hydrant Truck, Wide Body	L	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
2016	Lavatory Truck, Narrow Body	C	50	100	48.294960	48.208970	12.175110	0.013230	0.056680
2016	Lavatory Truck, Narrow Body	D	50	100	0.359420	0.186230	0.977080	0.646090	0.672080
2016	Lavatory Truck, Narrow Body	G	50	100	7.100110	1.134400	0.252890	0.298210	0.060000
2016	Lavatory Truck, Narrow Body	L	50	100	48.294960	3.286980	12.175110	0.013230	0.056680
2016	Lavatory Truck, Wide Body	C	300	600	48.294960	48.208970	12.175110	0.013230	0.056680
2016	Lavatory Truck, Wide Body	D	175	300	0.359420	0.186230	0.977080	0.646090	0.672080
2016	Lavatory Truck, Wide Body	G	175	300	7.100110	1.134400	0.252890	0.298210	0.060000
2016	Lavatory Truck, Wide Body	L	175	300	48.294960	3.286980	12.175110	0.013230	0.056680
2016	Lift	C	100	175	48.294970	48.294410	12.175110	0.013230	0.056680
2016	Lift	D	100	175	2.551990	0.598700	4.018670	0.957050	0.638240
2016	Lift	G	100	175	348.460940	12.915530	7.241030	0.174250	0.068090
2016	Lift	L	100	175	48.294970	3.286980	12.175110	0.013230	0.056680
2016	Other	C	0	9999	48.312040	48.307620	12.175540	0.013230	0.056690
2016	Other	D	0	9999	1.429440	0.213770	2.824800	0.821480	0.404030
2016	Other	G	0	9999	348.162760	12.857370	7.240410	0.174260	0.068040
2016	Other	L	0	9999	48.312040	3.287870	12.175540	0.013230	0.056690
2016	Passenger Stand	C	50	100	48.245930	48.171130	12.173870	0.013230	0.056630
2016	Passenger Stand	D	50	100	0.420960	0.201610	1.277160	0.660520	0.631380
2016	Passenger Stand	G	100	175	7.269940	2.553990	1.169100	0.297730	0.060030
2016	Passenger Stand	L	100	175	48.245930	3.284400	12.173870	0.013230	0.056630
2016	Service Truck	C	300	600	48.295790	48.209610	12.175130	0.013230	0.056680
2016	Service Truck	D	175	300	0.268710	0.164240	0.607160	0.620860	0.753940
2016	Service Truck	G	175	300	7.251160	2.076490	1.167770	0.297760	0.060020
2016	Service Truck	L	175	300	48.295790	3.287020	12.175130	0.013230	0.056680
2016	Sweeper	C	40	50	48.387020	48.365590	12.177420	0.013230	0.056760
2016	Sweeper	D	50	100	3.928070	0.339530	3.973750	0.911770	0.580810
2016	Sweeper	G	50	100	348.012260	13.291770	7.240100	0.174260	0.068020
2016	Sweeper	L	40	50	48.387020	3.291820	12.177420	0.013230	0.056760
2016	Water Service	C	300	600	0.000000	0.000000	0.000000	0.000000	0.000000
2016	Water Service	D	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
2016	Water Service	G	175	300	7.269940	2.001660	1.169100	0.297730	0.060030
2016	Water Service	L	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
2017	Air Conditioner, Narrow Body	D	175	300	0.938500	0.189070	2.791260	0.812730	0.336370
2017	Air Conditioner, Wide Body	D	175	300	0.938500	0.189070	2.791260	0.812730	0.336370
2017	Air Start	G	175	300	239.999870	11.790200	7.240080	0.175700	0.068020
2017	Air Start, 180 PPM	D	300	600	0.976410	0.189910	3.358390	0.812730	0.232320
2017	Air Start, 300 PPM	D	750	1000	0.976410	0.189910	3.358390	0.812730	0.232320
2017	Aircraft Tractor, Commuter/Reg	C	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2017	Aircraft Tractor, Commuter/Reg	D	50	100	1.229920	0.209540	2.819010	0.821500	0.290080
2017	Aircraft Tractor, Commuter/Reg	G	100	175	348.012560	12.770600	7.240100	0.174260	0.068020
2017	Aircraft Tractor, Commuter/Reg	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2017	Aircraft Tractor, Mid-Range	D	175	300	1.229920	0.209540	2.819010	0.821500	0.290080
2017	Aircraft Tractor, Narrow Body	C	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2017	Aircraft Tractor, Narrow Body	D	50	100	1.229920	0.209540	2.819010	0.821500	0.290080
2017	Aircraft Tractor, Narrow Body	G	100	175	348.012560	12.770600	7.240100	0.174260	0.068020
2017	Aircraft Tractor, Narrow Body	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2017	Aircraft Tractor, Wide Body	D	300	600	1.229920	0.209540	2.819010	0.821500	0.290080
2017	Aircraft Tug Towbarless Narrow	D	50	100	1.229920	0.209540	2.819010	0.821500	0.290080
2017	Aircraft Tug Towbarless Wide	D	600	750	1.229920	0.209540	2.819010	0.821500	0.290080
2017	Baggage Tractor, Commuter	C	50	100	48.376820	48.357690	12.177160	0.013230	0.056750
2017	Baggage Tractor, Commuter	D	50	100	3.902940	0.204080	3.191390	0.912430	0.561200
2017	Baggage Tractor, Commuter	G	100	175	347.957630	12.706720	7.239990	0.174260	0.068010
2017	Baggage Tractor, Commuter	L	100	175	48.376820	3.291280	12.177160	0.013230	0.056750
2017	Baggage Tractor, Narrow Body	C	50	100	48.376820	48.357690	12.177160	0.013230	0.056750
2017	Baggage Tractor, Narrow Body	D	50	100	3.902940	0.204080	3.191390	0.912430	0.561200
2017	Baggage Tractor, Narrow Body	G	100	175	347.957630	12.706720	7.239990	0.174260	0.068010
2017	Baggage Tractor, Narrow Body	L	100	175	48.376820	3.291280	12.177160	0.013230	0.056750
2017	Baggage Tractor, Wide Body	C	50	100	48.376820	48.357690	12.177160	0.013230	0.056750
2017	Baggage Tractor, Wide Body	D	50	100	3.902940	0.204080	3.191390	0.912430	0.561200
2017	Baggage Tractor, Wide Body	G	100	175	347.957630	12.706720	7.239990	0.174260	0.068010
2017	Baggage Tractor, Wide Body	L	100	175	48.376820	3.291280	12.177160	0.013230	0.056750
2017	Belt Loader, Commuter	C	50	100	33.361250	37.196310	12.176980	0.013270	0.056750
2017	Belt Loader, Commuter	D	50	100	2.551620	0.200100	3.408970	0.903580	0.460540
2017	Belt Loader, Commuter	G	100	175	241.064070	10.025060	7.243270	0.175680	0.068250

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Year	Type	Fuel	Min. Power	Max. Power	CO G/HPHR	HC G/HPHR	NOX G/HPHR	SOX G/HPHR	PM G/HPHR
2017	Belt Loader, Commuter	L	100	175	33.361250	2.536110	12.176980	0.013270	0.056750
2017	Belt Loader, Narrow Body	C	50	100	33.361250	37.196310	12.176980	0.013270	0.056750
2017	Belt Loader, Narrow Body	D	50	100	2.551620	0.200100	3.408970	0.903580	0.460540
2017	Belt Loader, Narrow Body	G	100	175	241.064070	10.025060	7.243270	0.175680	0.068250
2017	Belt Loader, Narrow Body	L	100	175	33.361250	2.536110	12.176980	0.013270	0.056750
2017	Belt Loader, Wide Body	C	50	100	33.361250	37.196310	12.176980	0.013270	0.056750
2017	Belt Loader, Wide Body	D	50	100	2.551620	0.200100	3.408970	0.903580	0.460540
2017	Belt Loader, Wide Body	G	100	175	241.064070	10.025060	7.243270	0.175680	0.068250
2017	Belt Loader, Wide Body	L	100	175	33.361250	2.536110	12.176980	0.013270	0.056750
2017	Bobtail	C	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2017	Bobtail	D	175	300	1.431070	0.210620	2.790580	0.821500	0.406220
2017	Bobtail	G	100	175	349.206760	12.711590	7.242580	0.174240	0.068200
2017	Bobtail	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2017	Cabin Service Truck, Comm/Reg	C	50	100	48.333730	48.238890	12.176080	0.013230	0.056710
2017	Cabin Service Truck, Comm/Reg	D	50	100	0.130500	0.132050	0.182080	0.582170	0.880730
2017	Cabin Service Truck, Comm/Reg	G	100	175	7.100120	1.072670	0.358620	0.298180	0.060000
2017	Cabin Service Truck, Comm/Reg	L	100	175	48.333730	3.289020	12.176080	0.013230	0.056710
2017	Cabin Service Truck, Narrow	C	300	600	48.333730	48.238890	12.176080	0.013230	0.056710
2017	Cabin Service Truck, Narrow	D	175	300	0.130500	0.132050	0.182080	0.582170	0.880730
2017	Cabin Service Truck, Narrow	G	175	300	7.100120	1.072670	0.358620	0.298180	0.060000
2017	Cabin Service Truck, Narrow	L	175	300	48.333730	3.289020	12.176080	0.013230	0.056710
2017	Cabin Service Truck, Wide Body	C	300	600	48.333730	48.238890	12.176080	0.013230	0.056710
2017	Cabin Service Truck, Wide Body	D	175	300	0.130500	0.132050	0.182080	0.582170	0.880730
2017	Cabin Service Truck, Wide Body	G	175	300	7.100120	1.072670	0.358620	0.298180	0.060000
2017	Cabin Service Truck, Wide Body	L	175	300	48.333730	3.289020	12.176080	0.013230	0.056710
2017	Cargo Loader, Narrow Body	C	50	100	48.294960	48.294410	12.175110	0.013230	0.056680
2017	Cargo Loader, Narrow Body	D	50	100	2.399500	0.458150	3.186160	0.957740	0.656290
2017	Cargo Loader, Narrow Body	G	100	175	349.347900	12.941040	7.242870	0.174240	0.068220
2017	Cargo Loader, Narrow Body	L	100	175	48.294960	3.286980	12.175110	0.013230	0.056680
2017	Cargo Loader, Wide, Lower Lobe	C	50	100	48.294960	48.294410	12.175110	0.013230	0.056680
2017	Cargo Loader, Wide, Lower Lobe	D	50	100	2.399500	0.458150	3.186160	0.957740	0.656290
2017	Cargo Loader, Wide, Lower Lobe	G	100	175	349.347900	12.941040	7.242870	0.174240	0.068220
2017	Cargo Loader, Wide, Lower Lobe	L	100	175	48.294960	3.286980	12.175110	0.013230	0.056680
2017	Cargo Loader, Wide, Main Deck	D	100	175	2.399500	0.458150	3.186160	0.957740	0.656290
2017	Cargo Tractor	C	50	100	48.370990	48.353190	12.177020	0.013230	0.056750
2017	Cargo Tractor	D	50	100	3.919190	0.315940	3.836680	0.911880	0.570580
2017	Cargo Tractor	G	100	175	351.244650	12.809150	7.246800	0.174220	0.068510
2017	Cargo Tractor	L	100	175	48.370990	3.290980	12.177020	0.013230	0.056750
2017	Cart	C	25	40	0.000000	0.000000	0.000000	0.000000	0.000000
2017	Cart	D	25	40	0.000000	0.000000	0.000000	0.000000	0.000000
2017	Cart	G	25	40	347.999820	18.636850	7.240080	0.174260	0.068020
2017	Cart	L	25	40	0.000000	0.000000	0.000000	0.000000	0.000000
2017	Catering Truck, Commuter/Reg	C	50	100	48.333730	48.238890	12.176080	0.013230	0.056710
2017	Catering Truck, Commuter/Reg	D	50	100	0.130500	0.132050	0.182080	0.582170	0.880730
2017	Catering Truck, Commuter/Reg	G	100	175	7.100120	1.072670	0.358620	0.298180	0.060000
2017	Catering Truck, Commuter/Reg	L	100	175	48.333730	3.289020	12.176080	0.013230	0.056710
2017	Catering Truck, Narrow Body	C	300	600	48.333730	48.238890	12.176080	0.013230	0.056710
2017	Catering Truck, Narrow Body	D	175	300	0.130500	0.132050	0.182080	0.582170	0.880730
2017	Catering Truck, Narrow Body	G	175	300	7.100120	1.072670	0.358620	0.298180	0.060000
2017	Catering Truck, Narrow Body	L	175	300	48.333730	3.289020	12.176080	0.013230	0.056710
2017	Catering Truck, Wide Body	C	300	600	48.333730	48.238890	12.176080	0.013230	0.056710
2017	Catering Truck, Wide Body	D	175	300	0.130500	0.132050	0.182080	0.582170	0.880730
2017	Catering Truck, Wide Body	G	175	300	7.100120	1.072670	0.358620	0.298180	0.060000
2017	Catering Truck, Wide Body	L	175	300	48.333730	3.289020	12.176080	0.013230	0.056710
2017	Deicer, Dual Engine	C	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
2017	Deicer, Dual Engine	D	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
2017	Deicer, Dual Engine	G	175	300	239.813690	10.782650	7.239520	0.175700	0.067980
2017	Deicer, Dual Engine	L	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
2017	Deicer, Single Engine	C	50	100	0.000000	0.000000	0.000000	0.000000	0.000000
2017	Deicer, Single Engine	D	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2017	Deicer, Single Engine	G	100	175	239.813690	10.782650	7.239520	0.175700	0.067980
2017	Deicer, Single Engine	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2017	Fork Lift	C	50	100	48.448760	48.413320	12.178970	0.013230	0.056820
2017	Fork Lift	D	50	100	2.522660	0.572190	3.834250	0.957180	0.636980
2017	Fork Lift	G	50	100	347.999770	13.403710	7.240080	0.174260	0.068020
2017	Fork Lift	L	50	100	48.448760	3.295070	12.178970	0.013230	0.056820
2017	Fuel Truck, Ground Equipment	C	300	600	48.294960	48.208970	12.175110	0.013230	0.056680
2017	Fuel Truck, Ground Equipment	D	175	300	0.181070	0.143870	0.355430	0.596430	0.834000

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Year	Type	Fuel	Min. Power	Max. Power	CO G/HPHR	HC G/HPHR	NOX G/HPHR	SOX G/HPHR	PM G/HPHR
2017	Fuel Truck, Ground Equipment	G	175	300	7.102240	1.274950	0.649040	0.298110	0.060000
2017	Fuel Truck, Ground Equipment	L	175	300	48.294960	3.286980	12.175110	0.013230	0.056680
2017	Fuel Truck, Large, 8,000+ gal	D	300	600	0.181070	0.143870	0.355430	0.596430	0.834000
2017	Fuel Truck, MidSize, 3-6,000 g	C	300	600	48.294960	48.208970	12.175110	0.013230	0.056680
2017	Fuel Truck, MidSize, 3-6,000 g	D	175	300	0.181070	0.143870	0.355430	0.596430	0.834000
2017	Fuel Truck, MidSize, 3-6,000 g	G	300	600	7.102240	1.274950	0.649040	0.298110	0.060000
2017	Fuel Truck, MidSize, 3-6,000 g	L	300	600	48.294960	3.286980	12.175110	0.013230	0.056680
2017	Fuel Truck, Small, < 3,000 gal	C	300	600	48.294960	48.208970	12.175110	0.013230	0.056680
2017	Fuel Truck, Small, < 3,000 gal	D	175	300	0.181070	0.143870	0.355430	0.596430	0.834000
2017	Fuel Truck, Small, < 3,000 gal	G	300	600	7.102240	1.274950	0.649040	0.298110	0.060000
2017	Fuel Truck, Small, < 3,000 gal	L	300	600	48.294960	3.286980	12.175110	0.013230	0.056680
2017	Generator	C	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2017	Generator	D	100	175	0.983950	0.247200	3.477600	0.812450	0.322950
2017	Generator	G	100	175	239.999900	9.899160	7.240080	0.175700	0.068020
2017	Generator	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2017	Ground Power Unit, 28VDC	C	50	100	0.000000	0.000000	0.000000	0.000000	0.000000
2017	Ground Power Unit, 28VDC	D	50	100	0.938480	0.190620	2.808970	0.812730	0.336030
2017	Ground Power Unit, 28VDC	G	100	175	239.851460	9.811900	7.239630	0.175700	0.067980
2017	Ground Power Unit, 28VDC	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2017	Ground Power Unit, 400 Hz	D	175	300	0.938480	0.190620	2.808970	0.812730	0.336030
2017	Hydrant Truck, Narrow Body	C	300	600	0.000000	0.000000	0.000000	0.000000	0.000000
2017	Hydrant Truck, Narrow Body	D	175	300	0.376580	0.190640	1.069550	0.648730	0.668010
2017	Hydrant Truck, Narrow Body	G	175	300	7.100110	0.962440	0.397570	0.298170	0.060000
2017	Hydrant Truck, Narrow Body	L	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
2017	Hydrant Truck, Wide Body	C	300	600	0.000000	0.000000	0.000000	0.000000	0.000000
2017	Hydrant Truck, Wide Body	D	175	300	0.376580	0.190640	1.069550	0.648730	0.668010
2017	Hydrant Truck, Wide Body	G	175	300	7.100110	0.962440	0.397570	0.298170	0.060000
2017	Hydrant Truck, Wide Body	L	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
2017	Lavatory Truck, Narrow Body	C	50	100	48.294960	48.208970	12.175110	0.013230	0.056680
2017	Lavatory Truck, Narrow Body	D	50	100	0.312620	0.174720	0.766160	0.632870	0.715070
2017	Lavatory Truck, Narrow Body	G	50	100	7.100120	1.121000	0.228070	0.298210	0.060000
2017	Lavatory Truck, Narrow Body	L	50	100	48.294960	3.286980	12.175110	0.013230	0.056680
2017	Lavatory Truck, Wide Body	C	300	600	48.294960	48.208970	12.175110	0.013230	0.056680
2017	Lavatory Truck, Wide Body	D	175	300	0.312620	0.174720	0.766160	0.632870	0.715070
2017	Lavatory Truck, Wide Body	G	175	300	7.100120	1.121000	0.228070	0.298210	0.060000
2017	Lavatory Truck, Wide Body	L	175	300	48.294960	3.286980	12.175110	0.013230	0.056680
2017	Lift	C	100	175	48.294960	48.294410	12.175110	0.013230	0.056680
2017	Lift	D	100	175	2.520830	0.571590	3.830960	0.957190	0.636370
2017	Lift	G	100	175	348.460950	12.914500	7.241030	0.174250	0.068090
2017	Lift	L	100	175	48.294960	3.286980	12.175110	0.013230	0.056680
2017	Other	C	0	9999	48.312040	48.307620	12.175530	0.013230	0.056690
2017	Other	D	0	9999	1.429830	0.208700	2.763080	0.821510	0.406050
2017	Other	G	0	9999	348.162780	12.856490	7.240410	0.174260	0.068040
2017	Other	L	0	9999	48.312040	3.287870	12.175530	0.013230	0.056690
2017	Passenger Stand	C	50	100	48.245940	48.171140	12.173880	0.013230	0.056630
2017	Passenger Stand	D	50	100	0.371740	0.189540	1.051430	0.647700	0.670640
2017	Passenger Stand	G	100	175	7.202920	2.444790	0.976700	0.297880	0.060010
2017	Passenger Stand	L	100	175	48.245940	3.284400	12.173880	0.013230	0.056630
2017	Service Truck	C	300	600	48.295790	48.209610	12.175130	0.013230	0.056680
2017	Service Truck	D	175	300	0.220930	0.153130	0.477540	0.607530	0.797660
2017	Service Truck	G	175	300	7.184120	1.968560	0.975330	0.297920	0.060010
2017	Service Truck	L	175	300	48.295790	3.287020	12.175130	0.013230	0.056680
2017	Sweeper	C	40	50	48.387020	48.365580	12.177420	0.013230	0.056760
2017	Sweeper	D	50	100	3.919110	0.315930	3.836680	0.911880	0.570550
2017	Sweeper	G	50	100	348.012260	13.289680	7.240100	0.174260	0.068020
2017	Sweeper	L	40	50	48.387020	3.291820	12.177420	0.013230	0.056760
2017	Water Service	C	300	600	0.000000	0.000000	0.000000	0.000000	0.000000
2017	Water Service	D	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
2017	Water Service	G	175	300	7.202920	1.893960	0.976700	0.297880	0.060010
2017	Water Service	L	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
2018	Air Conditioner, Narrow Body	D	175	300	0.938790	0.187910	2.779280	0.812740	0.336990
2018	Air Conditioner, Wide Body	D	175	300	0.938790	0.187910	2.779280	0.812740	0.336990
2018	Air Start	G	175	300	239.999880	11.790200	7.240080	0.175700	0.068020
2018	Air Start, 180 PPM	D	300	600	0.961560	0.186700	3.233700	0.812750	0.232610
2018	Air Start, 300 PPM	D	750	1000	0.961560	0.186700	3.233700	0.812750	0.232610
2018	Aircraft Tractor, Commuter/Reg	C	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2018	Aircraft Tractor, Commuter/Reg	D	50	100	1.227010	0.206030	2.767630	0.821520	0.289140
2018	Aircraft Tractor, Commuter/Reg	G	100	175	348.012530	12.770600	7.240100	0.174260	0.068020

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Table F1

Ground Support Equipment Emission Indices

Year	Type	Fuel	Min. Power	Max. Power	CO G/HPHR	HC G/HPHR	NOX G/HPHR	SOX G/HPHR	PM G/HPHR
2018	Aircraft Tractor, Commuter/Reg	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2018	Aircraft Tractor, Mid-Range	D	175	300	1.227010	0.206030	2.767630	0.821520	0.289140
2018	Aircraft Tractor, Narrow Body	C	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2018	Aircraft Tractor, Narrow Body	D	50	100	1.227010	0.206030	2.767630	0.821520	0.289140
2018	Aircraft Tractor, Narrow Body	G	100	175	348.012530	12.770600	7.240100	0.174260	0.068020
2018	Aircraft Tractor, Narrow Body	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2018	Aircraft Tractor, Wide Body	D	300	600	1.227010	0.206030	2.767630	0.821520	0.289140
2018	Aircraft Tug Towbarless Narrow	D	50	100	1.227010	0.206030	2.767630	0.821520	0.289140
2018	Aircraft Tug Towbarless Wide	D	600	750	1.227010	0.206030	2.767630	0.821520	0.289140
2018	Baggage Tractor, Commuter	C	50	100	48.376820	48.357700	12.177160	0.013230	0.056750
2018	Baggage Tractor, Commuter	D	50	100	3.904830	0.201290	3.173690	0.912440	0.561950
2018	Baggage Tractor, Commuter	G	100	175	347.957700	12.706720	7.239990	0.174260	0.068010
2018	Baggage Tractor, Commuter	L	100	175	48.376820	3.291280	12.177160	0.013230	0.056750
2018	Baggage Tractor, Narrow Body	C	50	100	48.376820	48.357700	12.177160	0.013230	0.056750
2018	Baggage Tractor, Narrow Body	D	50	100	3.904830	0.201290	3.173690	0.912440	0.561950
2018	Baggage Tractor, Narrow Body	G	100	175	347.957700	12.706720	7.239990	0.174260	0.068010
2018	Baggage Tractor, Narrow Body	L	100	175	48.376820	3.291280	12.177160	0.013230	0.056750
2018	Baggage Tractor, Wide Body	C	50	100	48.376820	48.357700	12.177160	0.013230	0.056750
2018	Baggage Tractor, Wide Body	D	50	100	3.904830	0.201290	3.173690	0.912440	0.561950
2018	Baggage Tractor, Wide Body	G	100	175	347.957700	12.706720	7.239990	0.174260	0.068010
2018	Baggage Tractor, Wide Body	L	100	175	48.376820	3.291280	12.177160	0.013230	0.056750
2018	Belt Loader, Commuter	C	50	100	33.361250	37.196310	12.176980	0.013270	0.056750
2018	Belt Loader, Commuter	D	50	100	2.553690	0.195220	3.375810	0.903600	0.461070
2018	Belt Loader, Commuter	G	100	175	241.064070	10.025060	7.243270	0.175680	0.068250
2018	Belt Loader, Commuter	L	100	175	33.361250	2.536110	12.176980	0.013270	0.056750
2018	Belt Loader, Narrow Body	C	50	100	33.361250	37.196310	12.176980	0.013270	0.056750
2018	Belt Loader, Narrow Body	D	50	100	2.553690	0.195220	3.375810	0.903600	0.461070
2018	Belt Loader, Narrow Body	G	100	175	241.064070	10.025060	7.243270	0.175680	0.068250
2018	Belt Loader, Narrow Body	L	100	175	33.361250	2.536110	12.176980	0.013270	0.056750
2018	Belt Loader, Wide Body	C	50	100	33.361250	37.196310	12.176980	0.013270	0.056750
2018	Belt Loader, Wide Body	D	50	100	2.553690	0.195220	3.375810	0.903600	0.461070
2018	Belt Loader, Wide Body	G	100	175	241.064070	10.025060	7.243270	0.175680	0.068250
2018	Belt Loader, Wide Body	L	100	175	33.361250	2.536110	12.176980	0.013270	0.056750
2018	Bobtail	C	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2018	Bobtail	D	175	300	1.431130	0.206670	2.741020	0.821520	0.407620
2018	Bobtail	G	100	175	349.206780	12.711590	7.242580	0.174240	0.068200
2018	Bobtail	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2018	Cabin Service Truck, Comm/Reg	C	50	100	48.333730	48.238890	12.176080	0.013230	0.056710
2018	Cabin Service Truck, Comm/Reg	D	50	100	0.129850	0.131910	0.180780	0.581990	0.881310
2018	Cabin Service Truck, Comm/Reg	G	100	175	7.100110	1.050580	0.315460	0.298190	0.060000
2018	Cabin Service Truck, Comm/Reg	L	100	175	48.333730	3.289020	12.176080	0.013230	0.056710
2018	Cabin Service Truck, Narrow	C	300	600	48.333730	48.238890	12.176080	0.013230	0.056710
2018	Cabin Service Truck, Narrow	D	175	300	0.129850	0.131910	0.180780	0.581990	0.881310
2018	Cabin Service Truck, Narrow	G	175	300	7.100110	1.050580	0.315460	0.298190	0.060000
2018	Cabin Service Truck, Narrow	L	175	300	48.333730	3.289020	12.176080	0.013230	0.056710
2018	Cabin Service Truck, Wide Body	C	300	600	48.333730	48.238890	12.176080	0.013230	0.056710
2018	Cabin Service Truck, Wide Body	D	175	300	0.129850	0.131910	0.180780	0.581990	0.881310
2018	Cabin Service Truck, Wide Body	G	175	300	7.100110	1.050580	0.315460	0.298190	0.060000
2018	Cabin Service Truck, Wide Body	L	175	300	48.333730	3.289020	12.176080	0.013230	0.056710
2018	Cargo Loader, Narrow Body	C	50	100	48.294970	48.294420	12.175110	0.013230	0.056680
2018	Cargo Loader, Narrow Body	D	50	100	2.401540	0.451060	3.137670	0.957780	0.657930
2018	Cargo Loader, Narrow Body	G	100	175	349.347910	12.941040	7.242870	0.174240	0.068220
2018	Cargo Loader, Narrow Body	L	100	175	48.294970	3.286980	12.175110	0.013230	0.056680
2018	Cargo Loader, Wide, Lower Lobe	C	50	100	48.294970	48.294420	12.175110	0.013230	0.056680
2018	Cargo Loader, Wide, Lower Lobe	D	50	100	2.401540	0.451060	3.137670	0.957780	0.657930
2018	Cargo Loader, Wide, Lower Lobe	G	100	175	349.347910	12.941040	7.242870	0.174240	0.068220
2018	Cargo Loader, Wide, Lower Lobe	L	100	175	48.294970	3.286980	12.175110	0.013230	0.056680
2018	Cargo Loader, Wide, Main Deck	D	100	175	2.401540	0.451060	3.137670	0.957780	0.657930
2018	Cargo Tractor	C	50	100	48.370990	48.353190	12.177020	0.013230	0.056750
2018	Cargo Tractor	D	50	100	3.912710	0.294070	3.708140	0.911990	0.562100
2018	Cargo Tractor	G	100	175	351.244590	12.809150	7.246800	0.174220	0.068510
2018	Cargo Tractor	L	100	175	48.370990	3.290980	12.177020	0.013230	0.056750
2018	Cart	C	25	40	0.000000	0.000000	0.000000	0.000000	0.000000
2018	Cart	D	25	40	0.000000	0.000000	0.000000	0.000000	0.000000
2018	Cart	G	25	40	347.999840	18.636850	7.240080	0.174260	0.068020
2018	Cart	L	25	40	0.000000	0.000000	0.000000	0.000000	0.000000
2018	Catering Truck, Commuter/Reg	C	50	100	48.333730	48.238890	12.176080	0.013230	0.056710
2018	Catering Truck, Commuter/Reg	D	50	100	0.129850	0.131910	0.180780	0.581990	0.881310

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Year	Type	Fuel	Min. Power	Max. Power	CO G/HPHR	HC G/HPHR	NOX G/HPHR	SOX G/HPHR	PM G/HPHR
2018	Catering Truck, Commuter/Reg	G	100	175	7.100110	1.050580	0.315460	0.298190	0.060000
2018	Catering Truck, Commuter/Reg	L	100	175	48.333730	3.289020	12.176080	0.013230	0.056710
2018	Catering Truck, Narrow Body	C	300	600	48.333730	48.238890	12.176080	0.013230	0.056710
2018	Catering Truck, Narrow Body	D	175	300	0.129850	0.131910	0.180780	0.581990	0.881310
2018	Catering Truck, Narrow Body	G	175	300	7.100110	1.050580	0.315460	0.298190	0.060000
2018	Catering Truck, Narrow Body	L	175	300	48.333730	3.289020	12.176080	0.013230	0.056710
2018	Catering Truck, Wide Body	C	300	600	48.333730	48.238890	12.176080	0.013230	0.056710
2018	Catering Truck, Wide Body	D	175	300	0.129850	0.131910	0.180780	0.581990	0.881310
2018	Catering Truck, Wide Body	G	175	300	7.100110	1.050580	0.315460	0.298190	0.060000
2018	Catering Truck, Wide Body	L	175	300	48.333730	3.289020	12.176080	0.013230	0.056710
2018	Deicer, Dual Engine	C	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
2018	Deicer, Dual Engine	D	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
2018	Deicer, Dual Engine	G	175	300	239.813750	10.782650	7.239520	0.175700	0.067980
2018	Deicer, Dual Engine	L	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
2018	Deicer, Single Engine	C	50	100	0.000000	0.000000	0.000000	0.000000	0.000000
2018	Deicer, Single Engine	D	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2018	Deicer, Single Engine	G	100	175	239.813750	10.782650	7.239520	0.175700	0.067980
2018	Deicer, Single Engine	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2018	Fork Lift	C	50	100	48.448770	48.413320	12.178970	0.013230	0.056820
2018	Fork Lift	D	50	100	2.496620	0.546560	3.672690	0.957310	0.637670
2018	Fork Lift	G	50	100	347.999780	13.403710	7.240080	0.174260	0.068020
2018	Fork Lift	L	50	100	48.448770	3.295070	12.178970	0.013230	0.056820
2018	Fuel Truck, Ground Equipment	C	300	600	48.294960	48.208970	12.175110	0.013230	0.056680
2018	Fuel Truck, Ground Equipment	D	175	300	0.167450	0.140680	0.305570	0.592600	0.846500
2018	Fuel Truck, Ground Equipment	G	175	300	7.100120	1.206720	0.513970	0.298140	0.060000
2018	Fuel Truck, Ground Equipment	L	175	300	48.294960	3.286980	12.175110	0.013230	0.056680
2018	Fuel Truck, Large, 8,000+ gal	D	300	600	0.167450	0.140680	0.305570	0.592600	0.846500
2018	Fuel Truck, MidSize, 3-6,000 g	C	300	600	48.294960	48.208970	12.175110	0.013230	0.056680
2018	Fuel Truck, MidSize, 3-6,000 g	D	175	300	0.167450	0.140680	0.305570	0.592600	0.846500
2018	Fuel Truck, MidSize, 3-6,000 g	G	300	600	7.100120	1.206720	0.513970	0.298140	0.060000
2018	Fuel Truck, MidSize, 3-6,000 g	L	300	600	48.294960	3.286980	12.175110	0.013230	0.056680
2018	Fuel Truck, Small, < 3,000 gal	C	300	600	48.294960	48.208970	12.175110	0.013230	0.056680
2018	Fuel Truck, Small, < 3,000 gal	D	175	300	0.167450	0.140680	0.305570	0.592600	0.846500
2018	Fuel Truck, Small, < 3,000 gal	G	300	600	7.100120	1.206720	0.513970	0.298140	0.060000
2018	Fuel Truck, Small, < 3,000 gal	L	300	600	48.294960	3.286980	12.175110	0.013230	0.056680
2018	Generator	C	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2018	Generator	D	100	175	0.973830	0.235860	3.331480	0.812510	0.323500
2018	Generator	G	100	175	239.999860	9.899160	7.240080	0.175700	0.068020
2018	Generator	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2018	Ground Power Unit, 28VDC	C	50	100	0.000000	0.000000	0.000000	0.000000	0.000000
2018	Ground Power Unit, 28VDC	D	50	100	0.938890	0.189040	2.790780	0.812740	0.336740
2018	Ground Power Unit, 28VDC	G	100	175	239.851460	9.811900	7.239630	0.175700	0.067980
2018	Ground Power Unit, 28VDC	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2018	Ground Power Unit, 400 Hz	D	175	300	0.938890	0.189040	2.790780	0.812740	0.336740
2018	Hydrant Truck, Narrow Body	C	300	600	0.000000	0.000000	0.000000	0.000000	0.000000
2018	Hydrant Truck, Narrow Body	D	175	300	0.329720	0.179280	0.860490	0.636470	0.705640
2018	Hydrant Truck, Narrow Body	G	175	300	7.100110	0.938880	0.349590	0.298180	0.060000
2018	Hydrant Truck, Narrow Body	L	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
2018	Hydrant Truck, Wide Body	C	300	600	0.000000	0.000000	0.000000	0.000000	0.000000
2018	Hydrant Truck, Wide Body	D	175	300	0.329720	0.179280	0.860490	0.636470	0.705640
2018	Hydrant Truck, Wide Body	G	175	300	7.100110	0.938880	0.349590	0.298180	0.060000
2018	Hydrant Truck, Wide Body	L	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
2018	Lavatory Truck, Narrow Body	C	50	100	48.294960	48.208970	12.175110	0.013230	0.056680
2018	Lavatory Truck, Narrow Body	D	50	100	0.266970	0.163940	0.628960	0.620180	0.756540
2018	Lavatory Truck, Narrow Body	G	50	100	7.100120	1.144400	0.214060	0.298220	0.060000
2018	Lavatory Truck, Narrow Body	L	50	100	48.294960	3.286980	12.175110	0.013230	0.056680
2018	Lavatory Truck, Wide Body	C	300	600	48.294960	48.208970	12.175110	0.013230	0.056680
2018	Lavatory Truck, Wide Body	D	175	300	0.266970	0.163940	0.628960	0.620180	0.756540
2018	Lavatory Truck, Wide Body	G	175	300	7.100120	1.144400	0.214060	0.298220	0.060000
2018	Lavatory Truck, Wide Body	L	175	300	48.294960	3.286980	12.175110	0.013230	0.056680
2018	Lift	C	100	175	48.294960	48.294410	12.175110	0.013230	0.056680
2018	Lift	D	100	175	2.494790	0.545960	3.669360	0.957310	0.637060
2018	Lift	G	100	175	348.460950	12.914500	7.241030	0.174250	0.068090
2018	Lift	L	100	175	48.294960	3.286980	12.175110	0.013230	0.056680
2018	Other	C	0	9999	48.312040	48.307620	12.175540	0.013230	0.056690
2018	Other	D	0	9999	1.431220	0.205060	2.717380	0.821520	0.407540
2018	Other	G	0	9999	348.162730	12.856490	7.240410	0.174260	0.068040
2018	Other	L	0	9999	48.312040	3.287870	12.175540	0.013230	0.056690

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Ground Support Equipment Emission Indices

Year	Type	Fuel	Min. Power	Max. Power	CO G/HPHR	HC G/HPHR	NOX G/HPHR	SOX G/HPHR	PM G/HPHR
2018	Passenger Stand	C	50	100	48.245940	48.171140	12.173880	0.013230	0.056630
2018	Passenger Stand	D	50	100	0.324580	0.178100	0.841050	0.635360	0.708500
2018	Passenger Stand	G	100	175	7.140310	2.343320	0.791950	0.298030	0.060000
2018	Passenger Stand	L	100	175	48.245940	3.284400	12.173880	0.013230	0.056630
2018	Service Truck	C	300	600	48.295790	48.209610	12.175130	0.013230	0.056680
2018	Service Truck	D	175	300	0.184660	0.144760	0.378790	0.597480	0.830540
2018	Service Truck	G	175	300	7.121500	1.867060	0.790530	0.298070	0.060000
2018	Service Truck	L	175	300	48.295790	3.287020	12.175130	0.013230	0.056680
2018	Sweeper	C	40	50	48.387020	48.365580	12.177420	0.013230	0.056760
2018	Sweeper	D	50	100	3.912620	0.294070	3.708130	0.911990	0.562070
2018	Sweeper	G	50	100	348.012260	13.289680	7.240100	0.174260	0.068020
2018	Sweeper	L	40	50	48.387020	3.291820	12.177420	0.013230	0.056760
2018	Water Service	C	300	600	0.000000	0.000000	0.000000	0.000000	0.000000
2018	Water Service	D	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
2018	Water Service	G	175	300	7.140310	1.792490	0.791950	0.298030	0.060000
2018	Water Service	L	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
2019	Air Conditioner, Narrow Body	D	175	300	0.939010	0.187040	2.770680	0.812740	0.337480
2019	Air Conditioner, Wide Body	D	175	300	0.939010	0.187040	2.770680	0.812740	0.337480
2019	Air Start	G	175	300	239.999870	11.790200	7.240080	0.175700	0.068020
2019	Air Start, 180 PPM	D	300	600	0.950140	0.184270	3.123940	0.812760	0.233780
2019	Air Start, 300 PPM	D	750	1000	0.950140	0.184270	3.123940	0.812760	0.233780
2019	Aircraft Tractor, Commuter/Reg	C	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2019	Aircraft Tractor, Commuter/Reg	D	50	100	1.226660	0.203440	2.726130	0.821530	0.288310
2019	Aircraft Tractor, Commuter/Reg	G	100	175	348.012490	12.770590	7.240100	0.174260	0.068020
2019	Aircraft Tractor, Commuter/Reg	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2019	Aircraft Tractor, Mid-Range	D	175	300	1.226660	0.203440	2.726130	0.821530	0.288310
2019	Aircraft Tractor, Narrow Body	C	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2019	Aircraft Tractor, Narrow Body	D	50	100	1.226660	0.203440	2.726130	0.821530	0.288310
2019	Aircraft Tractor, Narrow Body	G	100	175	348.012490	12.770590	7.240100	0.174260	0.068020
2019	Aircraft Tractor, Narrow Body	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2019	Aircraft Tractor, Wide Body	D	300	600	1.226660	0.203440	2.726130	0.821530	0.288310
2019	Aircraft Tug Towbarless Narrow	D	50	100	1.226660	0.203440	2.726130	0.821530	0.288310
2019	Aircraft Tug Towbarless Wide	D	600	750	1.226660	0.203440	2.726130	0.821530	0.288310
2019	Baggage Tractor, Commuter	C	50	100	48.376810	48.357700	12.177160	0.013230	0.056750
2019	Baggage Tractor, Commuter	D	50	100	3.906340	0.199300	3.160890	0.912450	0.563090
2019	Baggage Tractor, Commuter	G	100	175	347.957630	12.706720	7.239990	0.174260	0.068010
2019	Baggage Tractor, Commuter	L	100	175	48.376810	3.291280	12.177160	0.013230	0.056750
2019	Baggage Tractor, Narrow Body	C	50	100	48.376810	48.357700	12.177160	0.013230	0.056750
2019	Baggage Tractor, Narrow Body	D	50	100	3.906340	0.199300	3.160890	0.912450	0.563090
2019	Baggage Tractor, Narrow Body	G	100	175	347.957630	12.706720	7.239990	0.174260	0.068010
2019	Baggage Tractor, Narrow Body	L	100	175	48.376810	3.291280	12.177160	0.013230	0.056750
2019	Baggage Tractor, Wide Body	C	50	100	48.376810	48.357700	12.177160	0.013230	0.056750
2019	Baggage Tractor, Wide Body	D	50	100	3.906340	0.199300	3.160890	0.912450	0.563090
2019	Baggage Tractor, Wide Body	G	100	175	347.957630	12.706720	7.239990	0.174260	0.068010
2019	Baggage Tractor, Wide Body	L	100	175	48.376810	3.291280	12.177160	0.013230	0.056750
2019	Belt Loader, Commuter	C	50	100	33.361250	37.196310	12.176980	0.013270	0.056750
2019	Belt Loader, Commuter	D	50	100	2.555100	0.192080	3.354350	0.903620	0.461770
2019	Belt Loader, Commuter	G	100	175	241.064050	10.025060	7.243270	0.175680	0.068250
2019	Belt Loader, Commuter	L	100	175	33.361250	2.536110	12.176980	0.013270	0.056750
2019	Belt Loader, Narrow Body	C	50	100	33.361250	37.196310	12.176980	0.013270	0.056750
2019	Belt Loader, Narrow Body	D	50	100	2.555100	0.192080	3.354350	0.903620	0.461770
2019	Belt Loader, Narrow Body	G	100	175	241.064050	10.025060	7.243270	0.175680	0.068250
2019	Belt Loader, Narrow Body	L	100	175	33.361250	2.536110	12.176980	0.013270	0.056750
2019	Belt Loader, Wide Body	C	50	100	33.361250	37.196310	12.176980	0.013270	0.056750
2019	Belt Loader, Wide Body	D	50	100	2.555100	0.192080	3.354350	0.903620	0.461770
2019	Belt Loader, Wide Body	G	100	175	241.064050	10.025060	7.243270	0.175680	0.068250
2019	Belt Loader, Wide Body	L	100	175	33.361250	2.536110	12.176980	0.013270	0.056750
2019	Bobtail	C	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2019	Bobtail	D	175	300	1.432210	0.203880	2.704830	0.821530	0.408640
2019	Bobtail	G	100	175	349.206770	12.711590	7.242580	0.174240	0.068200
2019	Bobtail	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2019	Cabin Service Truck, Comm/Reg	C	50	100	48.333730	48.238890	12.176080	0.013230	0.056710
2019	Cabin Service Truck, Comm/Reg	D	50	100	0.129850	0.131910	0.180780	0.581990	0.881310
2019	Cabin Service Truck, Comm/Reg	G	100	175	7.100120	1.033990	0.282580	0.298200	0.060000
2019	Cabin Service Truck, Comm/Reg	L	100	175	48.333730	3.289020	12.176080	0.013230	0.056710
2019	Cabin Service Truck, Narrow	C	300	600	48.333730	48.238890	12.176080	0.013230	0.056710
2019	Cabin Service Truck, Narrow	D	175	300	0.129850	0.131910	0.180780	0.581990	0.881310
2019	Cabin Service Truck, Narrow	G	175	300	7.100120	1.033990	0.282580	0.298200	0.060000

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Table F1

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Year	Type	Fuel	Min. Power	Max. Power	CO G/HPHR	HC G/HPHR	NOX G/HPHR	SOX G/HPHR	PM G/HPHR
2019	Cabin Service Truck, Narrow	L	175	300	48.333730	3.289020	12.176080	0.013230	0.056710
2019	Cabin Service Truck, Wide Body	C	300	600	48.333730	48.238890	12.176080	0.013230	0.056710
2019	Cabin Service Truck, Wide Body	D	175	300	0.129850	0.131910	0.180780	0.581990	0.881310
2019	Cabin Service Truck, Wide Body	G	175	300	7.100120	1.033990	0.282580	0.298200	0.060000
2019	Cabin Service Truck, Wide Body	L	175	300	48.333730	3.289020	12.176080	0.013230	0.056710
2019	Cargo Loader, Narrow Body	C	50	100	48.294960	48.294420	12.175110	0.013230	0.056680
2019	Cargo Loader, Narrow Body	D	50	100	2.402860	0.446510	3.109870	0.957800	0.659420
2019	Cargo Loader, Narrow Body	G	100	175	349.347970	12.941050	7.242870	0.174240	0.068220
2019	Cargo Loader, Narrow Body	L	100	175	48.294960	3.286980	12.175110	0.013230	0.056680
2019	Cargo Loader, Wide, Lower Lobe	C	50	100	48.294960	48.294420	12.175110	0.013230	0.056680
2019	Cargo Loader, Wide, Lower Lobe	D	50	100	2.402860	0.446510	3.109870	0.957800	0.659420
2019	Cargo Loader, Wide, Lower Lobe	G	100	175	349.347970	12.941050	7.242870	0.174240	0.068220
2019	Cargo Loader, Wide, Lower Lobe	L	100	175	48.294960	3.286980	12.175110	0.013230	0.056680
2019	Cargo Loader, Wide, Main Deck	D	100	175	2.402860	0.446510	3.109870	0.957800	0.659420
2019	Cargo Tractor	C	50	100	48.370990	48.353190	12.177020	0.013230	0.056750
2019	Cargo Tractor	D	50	100	3.908080	0.275040	3.597750	0.912080	0.558120
2019	Cargo Tractor	G	100	175	351.244650	12.809150	7.246800	0.174220	0.068510
2019	Cargo Tractor	L	100	175	48.370990	3.290980	12.177020	0.013230	0.056750
2019	Cart	C	25	40	0.000000	0.000000	0.000000	0.000000	0.000000
2019	Cart	D	25	40	0.000000	0.000000	0.000000	0.000000	0.000000
2019	Cart	G	25	40	347.999760	18.636840	7.240080	0.174260	0.068020
2019	Cart	L	25	40	0.000000	0.000000	0.000000	0.000000	0.000000
2019	Catering Truck, Commuter/Reg	C	50	100	48.333730	48.238890	12.176080	0.013230	0.056710
2019	Catering Truck, Commuter/Reg	D	50	100	0.129850	0.131910	0.180780	0.581990	0.881310
2019	Catering Truck, Commuter/Reg	G	100	175	7.100120	1.033990	0.282580	0.298200	0.060000
2019	Catering Truck, Commuter/Reg	L	100	175	48.333730	3.289020	12.176080	0.013230	0.056710
2019	Catering Truck, Narrow Body	C	300	600	48.333730	48.238890	12.176080	0.013230	0.056710
2019	Catering Truck, Narrow Body	D	175	300	0.129850	0.131910	0.180780	0.581990	0.881310
2019	Catering Truck, Narrow Body	G	175	300	7.100120	1.033990	0.282580	0.298200	0.060000
2019	Catering Truck, Narrow Body	L	175	300	48.333730	3.289020	12.176080	0.013230	0.056710
2019	Catering Truck, Wide Body	C	300	600	48.333730	48.238890	12.176080	0.013230	0.056710
2019	Catering Truck, Wide Body	D	175	300	0.129850	0.131910	0.180780	0.581990	0.881310
2019	Catering Truck, Wide Body	G	175	300	7.100120	1.033990	0.282580	0.298200	0.060000
2019	Catering Truck, Wide Body	L	175	300	48.333730	3.289020	12.176080	0.013230	0.056710
2019	Deicer, Dual Engine	C	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
2019	Deicer, Dual Engine	D	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
2019	Deicer, Dual Engine	G	175	300	239.813720	10.782650	7.239520	0.175700	0.067980
2019	Deicer, Dual Engine	L	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
2019	Deicer, Single Engine	C	50	100	0.000000	0.000000	0.000000	0.000000	0.000000
2019	Deicer, Single Engine	D	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2019	Deicer, Single Engine	G	100	175	239.813720	10.782650	7.239520	0.175700	0.067980
2019	Deicer, Single Engine	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2019	Fork Lift	C	50	100	48.448760	48.413330	12.178970	0.013230	0.056820
2019	Fork Lift	D	50	100	2.475860	0.523690	3.546210	0.957420	0.642010
2019	Fork Lift	G	50	100	347.999760	13.403710	7.240080	0.174260	0.068020
2019	Fork Lift	L	50	100	48.448760	3.295070	12.178970	0.013230	0.056820
2019	Fuel Truck, Ground Equipment	C	300	600	48.294960	48.208970	12.175110	0.013230	0.056680
2019	Fuel Truck, Ground Equipment	D	175	300	0.157610	0.138380	0.270250	0.589850	0.855520
2019	Fuel Truck, Ground Equipment	G	175	300	7.100120	1.173090	0.437540	0.298160	0.060000
2019	Fuel Truck, Ground Equipment	L	175	300	48.294960	3.286980	12.175110	0.013230	0.056680
2019	Fuel Truck, Large, 8,000+ gal	D	300	600	0.157610	0.138380	0.270250	0.589850	0.855520
2019	Fuel Truck, MidSize, 3-6,000 g	C	300	600	48.294960	48.208970	12.175110	0.013230	0.056680
2019	Fuel Truck, MidSize, 3-6,000 g	D	175	300	0.157610	0.138380	0.270250	0.589850	0.855520
2019	Fuel Truck, MidSize, 3-6,000 g	G	300	600	7.100120	1.173090	0.437540	0.298160	0.060000
2019	Fuel Truck, MidSize, 3-6,000 g	L	300	600	48.294960	3.286980	12.175110	0.013230	0.056680
2019	Fuel Truck, Small, < 3,000 gal	C	300	600	48.294960	48.208970	12.175110	0.013230	0.056680
2019	Fuel Truck, Small, < 3,000 gal	D	175	300	0.157610	0.138380	0.270250	0.589850	0.855520
2019	Fuel Truck, Small, < 3,000 gal	G	300	600	7.100120	1.173090	0.437540	0.298160	0.060000
2019	Fuel Truck, Small, < 3,000 gal	L	300	600	48.294960	3.286980	12.175110	0.013230	0.056680
2019	Generator	C	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2019	Generator	D	100	175	0.965770	0.225730	3.217050	0.812560	0.325810
2019	Generator	G	100	175	239.999820	9.899160	7.240080	0.175700	0.068020
2019	Generator	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2019	Ground Power Unit, 28VDC	C	50	100	0.000000	0.000000	0.000000	0.000000	0.000000
2019	Ground Power Unit, 28VDC	D	50	100	0.939160	0.187970	2.779810	0.812740	0.337310
2019	Ground Power Unit, 28VDC	G	100	175	239.851490	9.811900	7.239630	0.175700	0.067980
2019	Ground Power Unit, 28VDC	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2019	Ground Power Unit, 400 Hz	D	175	300	0.939160	0.187970	2.779810	0.812740	0.337310

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Year	Type	Fuel	Min. Power	Max. Power	CO G/HPHR	HC G/HPHR	NOX G/HPHR	SOX G/HPHR	PM G/HPHR
2019	Hydrant Truck, Narrow Body	C	300	600	0.000000	0.000000	0.000000	0.000000	0.000000
2019	Hydrant Truck, Narrow Body	D	175	300	0.287420	0.169030	0.697110	0.625160	0.741400
2019	Hydrant Truck, Narrow Body	G	175	300	7.100120	0.920910	0.313610	0.298190	0.060000
2019	Hydrant Truck, Narrow Body	L	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
2019	Hydrant Truck, Wide Body	C	300	600	0.000000	0.000000	0.000000	0.000000	0.000000
2019	Hydrant Truck, Wide Body	D	175	300	0.287420	0.169030	0.697110	0.625160	0.741400
2019	Hydrant Truck, Wide Body	G	175	300	7.100120	0.920910	0.313610	0.298190	0.060000
2019	Hydrant Truck, Wide Body	L	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
2019	Lavatory Truck, Narrow Body	C	50	100	48.294960	48.208970	12.175100	0.013230	0.056680
2019	Lavatory Truck, Narrow Body	D	50	100	0.226380	0.154480	0.513820	0.608990	0.793030
2019	Lavatory Truck, Narrow Body	G	50	100	7.100120	1.110460	0.204990	0.298220	0.060000
2019	Lavatory Truck, Narrow Body	L	50	100	48.294960	3.286980	12.175100	0.013230	0.056680
2019	Lavatory Truck, Wide Body	C	300	600	48.294960	48.208970	12.175100	0.013230	0.056680
2019	Lavatory Truck, Wide Body	D	175	300	0.226380	0.154480	0.513820	0.608990	0.793030
2019	Lavatory Truck, Wide Body	G	175	300	7.100120	1.110460	0.204990	0.298220	0.060000
2019	Lavatory Truck, Wide Body	L	175	300	48.294960	3.286980	12.175100	0.013230	0.056680
2019	Lift	C	100	175	48.294960	48.294410	12.175110	0.013230	0.056680
2019	Lift	D	100	175	2.474300	0.523380	3.544580	0.957420	0.641880
2019	Lift	G	100	175	348.460910	12.914500	7.241030	0.174250	0.068090
2019	Lift	L	100	175	48.294960	3.286980	12.175110	0.013230	0.056680
2019	Other	C	0	9999	48.312050	48.307620	12.175540	0.013230	0.056690
2019	Other	D	0	9999	1.432090	0.202820	2.690090	0.821540	0.408530
2019	Other	G	0	9999	348.162780	12.856490	7.240410	0.174260	0.068040
2019	Other	L	0	9999	48.312050	3.287870	12.175540	0.013230	0.056690
2019	Passenger Stand	C	50	100	48.245940	48.171140	12.173880	0.013230	0.056630
2019	Passenger Stand	D	50	100	0.282850	0.167940	0.685550	0.623970	0.745140
2019	Passenger Stand	G	100	175	7.113440	2.255680	0.629180	0.298110	0.060000
2019	Passenger Stand	L	100	175	48.245940	3.284400	12.173880	0.013230	0.056630
2019	Service Truck	C	300	600	48.295790	48.209610	12.175130	0.013230	0.056680
2019	Service Truck	D	175	300	0.171650	0.141700	0.329860	0.593830	0.842500
2019	Service Truck	G	175	300	7.111600	1.780370	0.628260	0.298110	0.060000
2019	Service Truck	L	175	300	48.295790	3.287020	12.175130	0.013230	0.056680
2019	Sweeper	C	40	50	48.387020	48.365580	12.177420	0.013230	0.056760
2019	Sweeper	D	50	100	3.907990	0.275040	3.597740	0.912080	0.580900
2019	Sweeper	G	50	100	348.012320	13.289690	7.240100	0.174260	0.068020
2019	Sweeper	L	40	50	48.387020	3.291820	12.177420	0.013230	0.056760
2019	Water Service	C	300	600	0.000000	0.000000	0.000000	0.000000	0.000000
2019	Water Service	D	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
2019	Water Service	G	175	300	7.113450	1.704860	0.629180	0.298110	0.060000
2019	Water Service	L	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
2020	Air Conditioner, Narrow Body	D	175	300	0.939170	0.186450	2.764900	0.812750	0.337820
2020	Air Conditioner, Wide Body	D	175	300	0.939170	0.186450	2.764900	0.812750	0.337820
2020	Air Start	G	175	300	239.999880	11.795900	7.240080	0.175700	0.068020
2020	Air Start, 180 PPM	D	300	600	0.941020	0.182420	3.029510	0.812770	0.235220
2020	Air Start, 300 PPM	D	750	1000	0.941020	0.182420	3.029510	0.812770	0.235220
2020	Aircraft Tractor, Commuter/Reg	C	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2020	Aircraft Tractor, Commuter/Reg	D	50	100	1.227440	0.201530	2.695360	0.821540	0.287840
2020	Aircraft Tractor, Commuter/Reg	G	100	175	348.012550	12.771260	7.240100	0.174260	0.068020
2020	Aircraft Tractor, Commuter/Reg	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2020	Aircraft Tractor, Mid-Range	D	175	300	1.227440	0.201530	2.695360	0.821540	0.287840
2020	Aircraft Tractor, Narrow Body	C	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2020	Aircraft Tractor, Narrow Body	D	50	100	1.227440	0.201530	2.695360	0.821540	0.287840
2020	Aircraft Tractor, Narrow Body	G	100	175	348.012550	12.771260	7.240100	0.174260	0.068020
2020	Aircraft Tractor, Narrow Body	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2020	Aircraft Tractor, Wide Body	D	300	600	1.227440	0.201530	2.695360	0.821540	0.287840
2020	Aircraft Tug Towbarless Narrow	D	50	100	1.227440	0.201530	2.695360	0.821540	0.287840
2020	Aircraft Tug Towbarless Wide	D	600	750	1.227440	0.201530	2.695360	0.821540	0.287840
2020	Baggage Tractor, Commuter	C	50	100	48.376810	48.357690	12.177160	0.013230	0.056750
2020	Baggage Tractor, Commuter	D	50	100	3.907250	0.198100	3.153140	0.912460	0.563770
2020	Baggage Tractor, Commuter	G	100	175	347.957670	12.707210	7.239990	0.174260	0.068010
2020	Baggage Tractor, Commuter	L	100	175	48.376810	3.291280	12.177160	0.013230	0.056750
2020	Baggage Tractor, Narrow Body	C	50	100	48.376810	48.357690	12.177160	0.013230	0.056750
2020	Baggage Tractor, Narrow Body	D	50	100	3.907250	0.198100	3.153140	0.912460	0.563770
2020	Baggage Tractor, Narrow Body	G	100	175	347.957670	12.707210	7.239990	0.174260	0.068010
2020	Baggage Tractor, Narrow Body	L	100	175	48.376810	3.291280	12.177160	0.013230	0.056750
2020	Baggage Tractor, Wide Body	C	50	100	48.376810	48.357690	12.177160	0.013230	0.056750
2020	Baggage Tractor, Wide Body	D	50	100	3.907250	0.198100	3.153140	0.912460	0.563770
2020	Baggage Tractor, Wide Body	G	100	175	347.957670	12.707210	7.239990	0.174260	0.068010

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Table F1

Ground Support Equipment Emission Indices

Year	Type	Fuel	Min. Power	Max. Power	CO G/HPHR	HC G/HPHR	NOX G/HPHR	SOX G/HPHR	PM G/HPHR
2020	Baggage Tractor, Wide Body	L	100	175	48.376810	3.291280	12.177160	0.013230	0.056750
2020	Belt Loader, Commuter	C	50	100	33.361250	37.196310	12.176980	0.013270	0.056750
2020	Belt Loader, Commuter	D	50	100	2.556110	0.189860	3.339140	0.903630	0.462360
2020	Belt Loader, Commuter	G	100	175	241.064060	10.025830	7.243270	0.175680	0.068250
2020	Belt Loader, Commuter	L	100	175	33.361250	2.536110	12.176980	0.013270	0.056750
2020	Belt Loader, Narrow Body	C	50	100	33.361250	37.196310	12.176980	0.013270	0.056750
2020	Belt Loader, Narrow Body	D	50	100	2.556110	0.189860	3.339140	0.903630	0.462360
2020	Belt Loader, Narrow Body	G	100	175	241.064060	10.025830	7.243270	0.175680	0.068250
2020	Belt Loader, Narrow Body	L	100	175	33.361250	2.536110	12.176980	0.013270	0.056750
2020	Belt Loader, Wide Body	C	50	100	33.361250	37.196310	12.176980	0.013270	0.056750
2020	Belt Loader, Wide Body	D	50	100	2.556110	0.189860	3.339140	0.903630	0.462360
2020	Belt Loader, Wide Body	G	100	175	241.064060	10.025830	7.243270	0.175680	0.068250
2020	Belt Loader, Wide Body	L	100	175	33.361250	2.536110	12.176980	0.013270	0.056750
2020	Bobtail	C	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2020	Bobtail	D	175	300	1.432930	0.202050	2.682060	0.821540	0.409420
2020	Bobtail	G	100	175	349.206730	12.712000	7.242580	0.174240	0.068200
2020	Bobtail	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2020	Cabin Service Truck, Comm/Reg	C	50	100	48.333730	48.238890	12.176080	0.013230	0.056710
2020	Cabin Service Truck, Comm/Reg	D	50	100	0.129850	0.131910	0.180780	0.581990	0.881310
2020	Cabin Service Truck, Comm/Reg	G	100	175	7.100120	1.020800	0.255360	0.298210	0.060000
2020	Cabin Service Truck, Comm/Reg	L	100	175	48.333730	3.289020	12.176080	0.013230	0.056710
2020	Cabin Service Truck, Narrow	C	300	600	48.333730	48.238890	12.176080	0.013230	0.056710
2020	Cabin Service Truck, Narrow	D	175	300	0.129850	0.131910	0.180780	0.581990	0.881310
2020	Cabin Service Truck, Narrow	G	175	300	7.100120	1.020800	0.255360	0.298210	0.060000
2020	Cabin Service Truck, Narrow	L	175	300	48.333730	3.289020	12.176080	0.013230	0.056710
2020	Cabin Service Truck, Wide Body	C	300	600	48.333730	48.238890	12.176080	0.013230	0.056710
2020	Cabin Service Truck, Wide Body	D	175	300	0.129850	0.131910	0.180780	0.581990	0.881310
2020	Cabin Service Truck, Wide Body	G	175	300	7.100120	1.020800	0.255360	0.298210	0.060000
2020	Cabin Service Truck, Wide Body	L	175	300	48.333730	3.289020	12.176080	0.013230	0.056710
2020	Cargo Loader, Narrow Body	C	50	100	48.294960	48.294410	12.175110	0.013230	0.056680
2020	Cargo Loader, Narrow Body	D	50	100	2.403830	0.443180	3.089800	0.957820	0.660560
2020	Cargo Loader, Narrow Body	G	100	175	349.347890	12.942070	7.242870	0.174240	0.068220
2020	Cargo Loader, Narrow Body	L	100	175	48.294960	3.286980	12.175110	0.013230	0.056680
2020	Cargo Loader, Wide, Lower Lobe	C	50	100	48.294960	48.294410	12.175110	0.013230	0.056680
2020	Cargo Loader, Wide, Lower Lobe	D	50	100	2.403830	0.443180	3.089800	0.957820	0.660560
2020	Cargo Loader, Wide, Lower Lobe	G	100	175	349.347890	12.942070	7.242870	0.174240	0.068220
2020	Cargo Loader, Wide, Lower Lobe	L	100	175	48.294960	3.286980	12.175110	0.013230	0.056680
2020	Cargo Loader, Wide, Main Deck	D	100	175	2.403830	0.443180	3.089800	0.957820	0.660560
2020	Cargo Tractor	C	50	100	48.370980	48.353190	12.177020	0.013230	0.056750
2020	Cargo Tractor	D	50	100	3.905160	0.259390	3.507240	0.912160	0.558910
2020	Cargo Tractor	G	100	175	351.244600	12.809680	7.246800	0.174220	0.068510
2020	Cargo Tractor	L	100	175	48.370980	3.290980	12.177020	0.013230	0.056750
2020	Cart	C	25	40	0.000000	0.000000	0.000000	0.000000	0.000000
2020	Cart	D	25	40	0.000000	0.000000	0.000000	0.000000	0.000000
2020	Cart	G	25	40	347.999800	18.653580	7.240080	0.174260	0.068020
2020	Cart	L	25	40	0.000000	0.000000	0.000000	0.000000	0.000000
2020	Catering Truck, Commuter/Reg	C	50	100	48.333730	48.238890	12.176080	0.013230	0.056710
2020	Catering Truck, Commuter/Reg	D	50	100	0.129850	0.131910	0.180780	0.581990	0.881310
2020	Catering Truck, Commuter/Reg	G	100	175	7.100120	1.020800	0.255360	0.298210	0.060000
2020	Catering Truck, Commuter/Reg	L	100	175	48.333730	3.289020	12.176080	0.013230	0.056710
2020	Catering Truck, Narrow Body	C	300	600	48.333730	48.238890	12.176080	0.013230	0.056710
2020	Catering Truck, Narrow Body	D	175	300	0.129850	0.131910	0.180780	0.581990	0.881310
2020	Catering Truck, Narrow Body	G	175	300	7.100120	1.020800	0.255360	0.298210	0.060000
2020	Catering Truck, Narrow Body	L	175	300	48.333730	3.289020	12.176080	0.013230	0.056710
2020	Catering Truck, Wide Body	C	300	600	48.333730	48.238890	12.176080	0.013230	0.056710
2020	Catering Truck, Wide Body	D	175	300	0.129850	0.131910	0.180780	0.581990	0.881310
2020	Catering Truck, Wide Body	G	175	300	7.100120	1.020800	0.255360	0.298210	0.060000
2020	Catering Truck, Wide Body	L	175	300	48.333730	3.289020	12.176080	0.013230	0.056710
2020	Deicer, Dual Engine	C	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
2020	Deicer, Dual Engine	D	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
2020	Deicer, Dual Engine	G	175	300	239.813720	10.785610	7.239520	0.175700	0.067980
2020	Deicer, Dual Engine	L	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
2020	Deicer, Single Engine	C	50	100	0.000000	0.000000	0.000000	0.000000	0.000000
2020	Deicer, Single Engine	D	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2020	Deicer, Single Engine	G	100	175	239.813720	10.785610	7.239520	0.175700	0.067980
2020	Deicer, Single Engine	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2020	Fork Lift	C	50	100	48.448760	48.413330	12.178970	0.013230	0.056820
2020	Fork Lift	D	50	100	2.459980	0.502480	3.432830	0.957530	0.647620

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Table F1

Ground Support Equipment Emission Indices

Year	Type	Fuel	Min. Power	Max. Power	CO G/HPHR	HC G/HPHR	NOX G/HPHR	SOX G/HPHR	PM G/HPHR
2020	Fork Lift	G	50	100	347.999780	13.406110	7.240080	0.174260	0.068020
2020	Fork Lift	L	50	100	48.448760	3.295070	12.178970	0.013230	0.056820
2020	Fuel Truck, Ground Equipment	C	300	600	48.294960	48.208970	12.175110	0.013230	0.056680
2020	Fuel Truck, Ground Equipment	D	175	300	0.150070	0.136610	0.242750	0.587730	0.862440
2020	Fuel Truck, Ground Equipment	G	175	300	7.100120	1.149030	0.382410	0.298170	0.060000
2020	Fuel Truck, Ground Equipment	L	175	300	48.294960	3.286980	12.175110	0.013230	0.056680
2020	Fuel Truck, Large, 8,000+ gal	C	300	600	0.150070	0.136610	0.242750	0.587730	0.862440
2020	Fuel Truck, MidSize, 3-6,000 g	C	300	600	48.294960	48.208970	12.175110	0.013230	0.056680
2020	Fuel Truck, MidSize, 3-6,000 g	D	175	300	0.150070	0.136610	0.242750	0.587730	0.862440
2020	Fuel Truck, MidSize, 3-6,000 g	G	300	600	7.100120	1.149030	0.382410	0.298170	0.060000
2020	Fuel Truck, MidSize, 3-6,000 g	L	300	600	48.294960	3.286980	12.175110	0.013230	0.056680
2020	Fuel Truck, Small, < 3,000 gal	C	300	600	48.294960	48.208970	12.175110	0.013230	0.056680
2020	Fuel Truck, Small, < 3,000 gal	D	175	300	0.150070	0.136610	0.242750	0.587730	0.862440
2020	Fuel Truck, Small, < 3,000 gal	G	300	600	7.100120	1.149030	0.382410	0.298170	0.060000
2020	Fuel Truck, Small, < 3,000 gal	L	300	600	48.294960	3.286980	12.175110	0.013230	0.056680
2020	Generator	C	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2020	Generator	D	100	175	0.959610	0.216330	3.114450	0.812600	0.328730
2020	Generator	G	100	175	239.999870	9.899680	7.240080	0.175700	0.068020
2020	Generator	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2020	Ground Power Unit, 28VDC	C	50	100	0.000000	0.000000	0.000000	0.000000	0.000000
2020	Ground Power Unit, 28VDC	D	50	100	0.939360	0.187180	2.771740	0.812740	0.337750
2020	Ground Power Unit, 28VDC	G	100	175	239.851480	9.812200	7.239630	0.175700	0.067980
2020	Ground Power Unit, 28VDC	L	100	175	0.000000	0.000000	0.000000	0.000000	0.000000
2020	Ground Power Unit, 400 Hz	D	175	300	0.939360	0.187180	2.771740	0.812740	0.337750
2020	Hydrant Truck, Narrow Body	C	300	600	0.000000	0.000000	0.000000	0.000000	0.000000
2020	Hydrant Truck, Narrow Body	D	175	300	0.247460	0.159560	0.580190	0.614300	0.776520
2020	Hydrant Truck, Narrow Body	G	175	300	7.100110	0.906020	0.283980	0.298200	0.060000
2020	Hydrant Truck, Narrow Body	L	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
2020	Hydrant Truck, Wide Body	C	300	600	0.000000	0.000000	0.000000	0.000000	0.000000
2020	Hydrant Truck, Wide Body	D	175	300	0.247460	0.159560	0.580190	0.614300	0.776520
2020	Hydrant Truck, Wide Body	G	175	300	7.100110	0.906020	0.283980	0.298200	0.060000
2020	Hydrant Truck, Wide Body	L	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
2020	Lavatory Truck, Narrow Body	C	50	100	48.294960	48.208970	12.175110	0.013230	0.056680
2020	Lavatory Truck, Narrow Body	D	50	100	0.192460	0.146630	0.418680	0.599690	0.823370
2020	Lavatory Truck, Narrow Body	G	50	100	7.100120	1.110120	0.201390	0.298220	0.060000
2020	Lavatory Truck, Narrow Body	L	50	100	48.294960	3.286980	12.175110	0.013230	0.056680
2020	Lavatory Truck, Wide Body	C	300	600	48.294960	48.208970	12.175110	0.013230	0.056680
2020	Lavatory Truck, Wide Body	D	175	300	0.192460	0.146630	0.418680	0.599690	0.823370
2020	Lavatory Truck, Wide Body	G	175	300	7.100120	1.110120	0.201390	0.298220	0.060000
2020	Lavatory Truck, Wide Body	L	175	300	48.294960	3.286980	12.175110	0.013230	0.056680
2020	Lift	C	100	175	48.294410	48.294410	12.175110	0.013230	0.056680
2020	Lift	D	100	175	2.458410	0.502160	3.431180	0.957530	0.647500
2020	Lift	G	100	175	348.460970	12.915530	7.241030	0.174250	0.068090
2020	Lift	L	100	175	48.294960	3.286980	12.175110	0.013230	0.056680
2020	Other	C	0	9999	48.312040	48.307620	12.175540	0.013230	0.056690
2020	Other	D	0	9999	1.432750	0.201130	2.669740	0.821540	0.409310
2020	Other	G	0	9999	348.162770	12.857370	7.240410	0.174260	0.068040
2020	Other	L	0	9999	48.312040	3.287870	12.175540	0.013230	0.056690
2020	Passenger Stand	C	50	100	48.245930	48.171130	12.173880	0.013230	0.056630
2020	Passenger Stand	D	50	100	0.244260	0.158780	0.571180	0.613500	0.778990
2020	Passenger Stand	G	100	175	7.107700	2.199920	0.511690	0.298140	0.060000
2020	Passenger Stand	L	100	175	48.245930	3.284400	12.173880	0.013230	0.056630
2020	Service Truck	C	300	600	48.295790	48.209610	12.175130	0.013230	0.056680
2020	Service Truck	D	175	300	0.162060	0.139450	0.294120	0.591130	0.851300
2020	Service Truck	G	175	300	7.105860	1.723290	0.510730	0.298140	0.060000
2020	Service Truck	L	175	300	48.295790	3.287020	12.175130	0.013230	0.056680
2020	Sweeper	C	40	50	48.387020	48.365590	12.177420	0.013230	0.056760
2020	Sweeper	D	50	100	3.905070	0.259380	3.507240	0.912160	0.558870
2020	Sweeper	G	50	100	348.012330	13.291770	7.240100	0.174260	0.068020
2020	Sweeper	L	40	50	48.387020	3.291820	12.177420	0.013230	0.056760
2020	Water Service	C	300	600	0.000000	0.000000	0.000000	0.000000	0.000000
2020	Water Service	D	175	300	0.000000	0.000000	0.000000	0.000000	0.000000
2020	Water Service	G	175	300	7.107710	1.647580	0.511690	0.298140	0.060000
2020	Water Service	L	175	300	0.000000	0.000000	0.000000	0.000000	0.000000

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Attachment G
Ground Support Equipment Assignments
to Aircraft (EDMS 3.2)

Table G1

**EDMS 3.2 GSE Assignments for Unmitigated
Alternative D 2013/2015 (mitigated runs
assumed all electric GSE)**

Air Name	GSE Name	OP Time
**100	**Electric Aircraft Tug Narrow	6.00
**100	**Electric Cabin Service	15.00
**100	APU GTCP 85 (200 HP)	7.00
**100	**CNG Belt Loader	48.00
**100	**CNG Baggage Tug	85.00
**100	Gasoline Food Truck	35.00
**100	**Gasoline Hydrant Truck	35.00
**100	Diesel Lavatory Truck	20.00
**310	**Electric Cabin Service	15.00
**310	**Electric Food Truck	35.00
**310	**Electric Aircraft Tug Narrow	6.00
**310	APU GTCP 85 (200 HP)	7.00
**310	Gasoline Baggage Tug	85.00
**310	Gasoline Belt Loader	48.00
**310	**CNG Hydrant Truck	35.00
**310	Diesel Lavatory Truck	20.00
**319	APU GTCP 85 (200 HP)	7.00
**319	**CNG Hydrant Truck	35.00
**319	**CNG Lavatory Truck	0.00
**319	**Electric Aircraft Tug Narrow	6.00
**319	**Electric Baggage Tug	85.00
**319	**Electric Belt Loader	48.00
**319	**Electric Cabin Service	15.00
**319	**Electric Food Truck	35.00
**320/32S	APU GTCP 85 (200 HP)	7.00
**320/32S	**Electric Aircraft Tug Narrow	6.00
**320/32S	**Electric Cabin Service	15.00
**320/32S	**Electric Lavatory Truck	20.00
**320/32S	Gasoline Baggage Tug	85.00
**320/32S	Gasoline Belt Loader	48.00
**320/32S	Gasoline Food Truck	35.00
**320/32S	**CNG Hydrant Truck	35.00
**330	APU GTCP 85 (200 HP)	7.00
**330	**Electric Aircraft Tug Narrow	6.00
**330	**Electric Baggage Tug	85.00
**330	**Electric Belt Loader	48.00
**330	**Electric Food Truck	35.00
**330	**Electric Lavatory Truck	20.00
**330	**Electric Hydrant Truck	35.00
**330	Gasoline Cabin Service	15.00
**340	APU GTCP 660 (300 HP)	7.00
**340	**Electric Aircraft Tug Wide	8.00
**340	**Electric Cabin Service	15.00
**340	**Electric Container Loader	92.00
**340	**Electric Hydrant Truck	35.00
**340	**CNG Baggage Tug	85.00
**340	**CNG Belt Loader	48.00
**340	Gasoline Food Truck	35.00
**340	**CNG Lavatory Truck	10.00
**340	**CNG Water Truck	12.00
**733	**Electric Aircraft Tug Narrow	6.00
**733	**Electric Cabin Service	15.00
**733	APU GTCP 85 (200 HP)	7.00
**733	**CNG Baggage Tug	85.00
**733	**CNG Belt Loader	48.00
**733	Gasoline Food Truck	35.00
**733	**Gasoline Hydrant Truck	35.00
**733	Diesel Lavatory Truck	20.00
**734	**Electric Aircraft Tug Narrow	6.00
**734	**Electric Lavatory Truck	20.00
**734	APU GTCP 85 (200 HP)	7.00
**734	**Electric Hydrant Truck	35.00
**734	**CNG Baggage Tug	85.00
**734	**CNG Belt Loader	48.00

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Table G1

**EDMS 3.2 GSE Assignments for Unmitigated
Alternative D 2013/2015 (mitigated runs
assumed all electric GSE)**

Air Name	GSE Name	OP Time
**734	**CNG Cabin Service	15.00
**734	Gasoline Food Truck	35.00
**73S/735	**Electric Aircraft Tug Narrow	6.00
**73S/735	**Electric Lavatory Truck	20.00
**73S/735	APU GTCP 85 (200 HP)	7.00
**73S/735	**Electric Hydrant Truck	35.00
**73S/735	**CNG Belt Loader	48.00
**73S/735	**CNG Baggage Tug	85.00
**73S/735	**CNG Cabin Service	15.00
**73S/735	Gasoline Food Truck	35.00
**73S/735	**CNG Baggage Tug	85.00
**73S/735	**CNG Belt Loader	48.00
**73S/735	**CNG Cabin Service	15.00
**744	**Electric Aircraft Tug Wide	8.00
**744	**Electric Container Loader	92.00
**744	**Electric Cabin Service	15.00
**744	APU GTCP 660 (300 HP)	7.00
**744	**CNG Baggage Tug	85.00
**744	**CNG Belt Loader	48.00
**744	Gasoline Food Truck	35.00
**744	**Gasoline Hydrant Truck	35.00
**744	Diesel Lavatory Truck	20.00
**744	Diesel Water Truck	12.00
**747	**Electric Aircraft Tug Wide	8.00
**747	**Electric Container Loader	92.00
**747	**Electric Cabin Service	15.00
**747	**Electric Lavatory Truck	20.00
**747	APU GTCP 660 (300 HP)	7.00
**747	**CNG Baggage Tug	85.00
**747	**CNG Belt Loader	48.00
**747	Gasoline Food Truck	35.00
**747	**CNG Hydrant Truck	35.00
**747	**CNG Water Truck	12.00
**74M	**Electric Aircraft Tug Wide	8.00
**74M	**Electric Baggage Tug	85.00
**74M	**Electric Belt Loader	48.00
**74M	**Electric Container Loader	92.00
**74M	**Electric Cabin Service	15.00
**74M	APU GTCP 660 (300 HP)	7.00
**74M	Gasoline Food Truck	35.00
**74M	**Gasoline Hydrant Truck	35.00
**74M	Gasoline Lavatory Truck	20.00
**74M	**CNG Water Truck	12.00
**74X	**Electric Aircraft Tug Wide	8.00
**74X	**Electric Cabin Service	15.00
**74X	**Electric Container Loader	92.00
**74X	**Electric Food Truck	35.00
**74X	APU GTCP 660 (300 HP)	7.00
**74X	**Electric Hydrant Truck	35.00
**74X	Gasoline Baggage Tug	85.00
**74X	Gasoline Belt Loader	48.00
**74X	Gasoline Lavatory Truck	20.00
**74X	**CNG Water Truck	12.00
**757	**Electric Aircraft Tug Narrow	6.00
**757	**Electric Belt Loader	48.00
**757	APU GTCP 85 (200 HP)	7.00
**757	**Electric Baggage Tug	85.00
**757	Gasoline Cabin Service	15.00
**757	**CNG Food Truck	35.00
**757	**CNG Hydrant Truck	35.00
**757	Gasoline Lavatory Truck	20.00
**763	**Electric Aircraft Tug Wide	8.00
**763	**Electric Container Loader	92.00
**763	**Electric Water Truck	12.00

Table G1

**EDMS 3.2 GSE Assignments for Unmitigated
Alternative D 2013/2015 (mitigated runs
assumed all electric GSE)**

Air Name	GSE Name	OP Time
**763	APU GTCP 660 (300 HP)	7.00
**763	**CNG Belt Loader	48.00
**763	**CNG Baggage Tug	85.00
**763	**CNG Cabin Service	15.00
**763	Gasoline Food Truck	35.00
**763	**CNG Hydrant Truck	35.00
**763	Gasoline Lavatory Truck	20.00
**767	**Electric Aircraft Tug Wide	8.00
**767	**Electric Container Loader	92.00
**767	**Electric Food Truck	35.00
**767	**Electric Water Truck	12.00
**767	APU GTCP 660 (300 HP)	7.00
**767	**CNG Baggage Tug	85.00
**767	**CNG Belt Loader	48.00
**767	**CNG Cabin Service	15.00
**767	**CNG Hydrant Truck	35.00
**767	Gasoline Lavatory Truck	20.00
**777	**Electric Aircraft Tug Wide	8.00
**777	**Electric Container Loader	92.00
**777	**Electric Food Truck	35.00
**777	APU GTCP 660 (300 HP)	7.00
**777	**CNG Baggage Tug	85.00
**777	**CNG Belt Loader	48.00
**777	Gasoline Cabin Service	15.00
**777	**CNG Hydrant Truck	35.00
**777	Gasoline Lavatory Truck	20.00
**777	Gasoline Water Truck	12.00
**A300-C4-2Cargo	APU GTCP 660 (300 HP)	7.00
**A300-C4-2Cargo	**Electric Aircraft Tug Wide	8.00
**A300-C4-2Cargo	**Electric Cargo Loader	92.00
**A300-C4-2Cargo	**Electric Container Loader	92.00
**A300-C4-2Cargo	**Gasoline Hydrant Truck	35.00
**A300-C4-2Cargo	Diesel Lavatory Truck	20.00
**A310-200 Cargo	APU GTCP 85 (200 HP)	7.00
**A310-200 Cargo	**Electric Aircraft Tug Narrow	6.00
**A310-200 Cargo	**Electric Cargo Loader	92.00
**A310-200 Cargo	**CNG Hydrant Truck	35.00
**A310-200 Cargo	Gasoline Lavatory Truck	20.00
**AB3	APU GTCP 660 (300 HP)	7.00
**AB3	**Electric Aircraft Tug Wide	8.00
**AB3	**Electric Container Loader	92.00
**AB3	**Electric Food Truck	35.00
**AB3	**CNG Baggage Tug	85.00
**AB3	**CNG Belt Loader	48.00
**AB3	**CNG Cabin Service	15.00
**AB3	**CNG Hydrant Truck	35.00
**AB3	Gasoline Lavatory Truck	20.00
**AB3	Gasoline Water Truck	12.00
**AT7	**Electric Aircraft Tug Narrow	6.00
**AT7	**Electric Food Truck	35.00
**AT7	APU GTCP 36 (80HP)	7.00
**AT7	**CNG Baggage Tug	85.00
**AT7	**CNG Cabin Service	15.00
**AT7	**CNG Belt Loader	48.00
**AT7	**CNG Hydrant Truck	35.00
**AT7	Gasoline Lavatory Truck	20.00
**ATR	**Electric Aircraft Tug Narrow	6.00
**ATR	**Electric Food Truck	35.00
**ATR	APU GTCP 36 (80HP)	7.00
**ATR	**CNG Baggage Tug	85.00
**ATR	**CNG Belt Loader	48.00
**ATR	**CNG Cabin Service	15.00
**ATR	**CNG Hydrant Truck	35.00
**ATR	Gasoline Lavatory Truck	20.00

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Table G1

**EDMS 3.2 GSE Assignments for Unmitigated
Alternative D 2013/2015 (mitigated runs
assumed all electric GSE)**

Air Name	GSE Name	OP Time
**B737-200C Cargo	**Electric Aircraft Tug Narrow	6.00
**B737-200C Cargo	**Electric Cargo Loader	92.00
**B737-200C Cargo	APU GTCP 85 (200 HP)	7.00
**B737-200C Cargo	**CNG Hydrant Truck	35.00
**B737-200C Cargo	Gasoline Lavatory Truck	20.00
**B747-200 Cargo	**Electric Aircraft Tug Wide	8.00
**B747-200 Cargo	**Electric Cargo Loader	92.00
**B747-200 Cargo	**Electric Container Loader	92.00
**B747-200 Cargo	APU GTCP 660 (300 HP)	7.00
**B747-200 Cargo	**CNG Hydrant Truck	35.00
**B747-200 Cargo	Gasoline Lavatory Truck	20.00
**B747-400 Cargo	**Electric Aircraft Tug Wide	8.00
**B747-400 Cargo	**Electric Cargo Loader	92.00
**B747-400 Cargo	**Electric Container Loader	92.00
**B747-400 Cargo	APU GTCP 660 (300 HP)	7.00
**B747-400 Cargo	**CNG Hydrant Truck	35.00
**B747-400 Cargo	Gasoline Lavatory Truck	20.00
**B757-200 Cargo	**Electric Aircraft Tug Narrow	6.00
**B757-200 Cargo	**Electric Cargo Loader	92.00
**B757-200 Cargo	APU GTCP 85 (200 HP)	7.00
**B757-200 Cargo	**CNG Hydrant Truck	35.00
**B757-200 Cargo	**CNG Lavatory Truck	10.00
**B767-200 Cargo	**Electric Aircraft Tug Wide	8.00
**B767-200 Cargo	**Electric Cargo Loader	92.00
**B767-200 Cargo	**Electric Container Loader	92.00
**B767-200 Cargo	APU GTCP 660 (300 HP)	7.00
**B767-200 Cargo	**CNG Hydrant Truck	35.00
**B767-200 Cargo	**CNG Lavatory Truck	10.00
**BE1	**Electric Aircraft Tug Narrow	6.00
**BE1	**CNG Fuel Truck	35.00
**BH1900 Cargo	**Electric Aircraft Tug Narrow	6.00
**BH1900 Cargo	**Electric Fuel Truck	35.00
**C50	**Electric Aircraft Tug Narrow	0.00
**C50	**Electric Food Truck	35.00
**C50	APU GTCP 85 (200 HP)	7.00
**C50	**CNG Hydrant Truck	35.00
**C50	**CNG Belt Loader	48.00
**C50	**CNG Baggage Tug	85.00
**C50	Gasoline Cabin Service	15.00
**C50	Gasoline Lavatory Truck	20.00
**C70	**Electric Aircraft Tug Narrow	6.00
**C70	**Electric Cabin Service	15.00
**C70	**Electric Food Truck	35.00
**C70	**Electric Lavatory Truck	20.00
**C70	APU GTCP 85 (200 HP)	7.00
**C70	**CNG Baggage Tug	85.00
**C70	**CNG Belt Loader	48.00
**C70	**CNG Hydrant Truck	35.00
**DC1030Cargo	**Electric Aircraft Tug Wide	8.00
**DC1030Cargo	**Electric Container Loader	92.00
**DC1030Cargo	**Electric Cargo Loader	92.00
**DC1030Cargo	APU GTCP 660 (300 HP)	7.00
**DC1030Cargo	**CNG Hydrant Truck	35.00
**DC1030Cargo	**CNG Lavatory Truck	10.00
**DS7	**Electric Baggage Tug	85.00
**DS7	**Electric Belt Loader	48.00
**DS7	**Electric Cabin Service	15.00
**DS7	**Electric Food Truck	35.00
**DS7	**Electric Aircraft Tug Narrow	6.00
**DS7	APU GTCP 36 (80HP)	7.00
**DS7	**CNG Hydrant Truck	35.00
**DS7	Gasoline Lavatory Truck	20.00
**EM2	**Electric Aircraft Tug Narrow	6.00
**EM2	**Electric Baggage Tug	85.00

Table G1

**EDMS 3.2 GSE Assignments for Unmitigated
Alternative D 2013/2015 (mitigated runs
assumed all electric GSE)**

Air Name	GSE Name	OP Time
**EM2	**Electric Belt Loader	48.00
**EM2	**Electric Cabin Service	15.00
**EM2	**Electric Food Truck	35.00
**EM2	APU GTCP 36 (80HP)	7.00
**EM2	**CNG Hydrant Truck	35.00
**EM2	Gasoline Lavatory Truck	20.00
**EMB	**Electric Aircraft Tug Narrow	6.00
**EMB	**Electric Baggage Tug	85.00
**EMB	**Electric Belt Loader	48.00
**EMB	APU GTCP 36 (80HP)	7.00
**EMB	**CNG Cabin Service	15.00
**EMB	**CNG Food Truck	35.00
**EMB	**CNG Hydrant Truck	35.00
**EMB	**CNG Lavatory Truck	10.00
**F50	**Electric Aircraft Tug Narrow	6.00
**F50	**Electric Belt Loader	48.00
**F50	**Electric Baggage Tug	85.00
**F50	**Electric Food Truck	35.00
**F50	APU GTCP 36 (80HP)	7.00
**F50	**CNG Cabin Service	15.00
**F50	**CNG Hydrant Truck	35.00
**F50	**CNG Lavatory Truck	10.00
**F70	**CNG Hydrant Truck	35.00
**F70	Gasoline Lavatory Truck	20.00
**F70	**Electric Aircraft Tug Narrow	6.00
**F70	**Electric Baggage Tug	85.00
**F70	**Electric Belt Loader	48.00
**F70	**Electric Cabin Service	15.00
**F70	**Electric Food Truck	35.00
**F70	APU GTCP 85 (200 HP)	7.00
**GAJ	**Electric Aircraft Tug Narrow	6.00
**GAJ	Gasoline Fuel Truck	35.00
**J31	**Electric Aircraft Tug Narrow	6.00
**J31	**CNG Fuel Truck	35.00
**M11	**Electric Aircraft Tug Wide	8.00
**M11	**Electric Baggage Tug	85.00
**M11	**Electric Belt Loader	48.00
**M11	**Electric Lavatory Truck	20.00
**M11	APU GTCP 660 (300 HP)	7.00
**M11	Gasoline Water Truck	12.00
**M11	**Electric Container Loader	92.00
**M11	**CNG Cabin Service	15.00
**M11	**CNG Food Truck	35.00
**M11	**CNG Hydrant Truck	35.00
**M80	**Electric Aircraft Tug Narrow	6.00
**M80	**Electric Baggage Tug	85.00
**M80	**Electric Belt Loader	48.00
**M80	APU GTCP 85 (200 HP)	7.00
**M80	**CNG Cabin Service	15.00
**M80	**CNG Food Truck	35.00
**M80	**CNG Hydrant Truck	35.00
**M80	**CNG Lavatory Truck	10.00
**M87	**Electric Aircraft Tug Narrow	6.00
**M87	**Electric Baggage Tug	85.00
**M87	**Electric Belt Loader	48.00
**M87	APU GTCP 85 (200 HP)	7.00
**M87	**CNG Food Truck	35.00
**M87	**CNG Hydrant Truck	35.00
**M87	**CNG Lavatory Truck	10.00
**M87	**Electric Cabin Service	15.00
**M90	**Electric Aircraft Tug Narrow	6.00
**M90	**Electric Baggage Tug	85.00
**M90	**Electric Belt Loader	48.00
**M90	**Electric Cabin Service	15.00

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Table G1

**EDMS 3.2 GSE Assignments for Unmitigated
Alternative D 2013/2015 (mitigated runs
assumed all electric GSE)**

Air Name	GSE Name	OP Time
**M90	**Electric Food Truck	35.00
**M90	APU GTCP 85 (200 HP)	7.00
**M90	**CNG Hydrant Truck	35.00
**M90	**CNG Lavatory Truck	10.00
**M95	**Electric Aircraft Tug Narrow	6.00
**M95	**Electric Baggage Tug	85.00
**M95	**Electric Belt Loader	48.00
**M95	**Electric Cabin Service	15.00
**M95	**Electric Food Truck	35.00
**M95	APU GTCP 85 (200 HP)	7.00
**M95	**CNG Hydrant Truck	35.00
**M95	**CNG Lavatory Truck	10.00
**MD11Cargo	**Electric Aircraft Tug Wide	8.00
**MD11Cargo	**Electric Container Loader	92.00
**MD11Cargo	**Electric Cargo Loader	92.00
**MD11Cargo	**Electric Lavatory Truck	20.00
**MD11Cargo	APU GTCP 660 (300 HP)	7.00
**MD11Cargo	**CNG Hydrant Truck	35.00
**S20	**Electric Aircraft Tug Narrow	6.00
**S20	**Electric Baggage Tug	85.00
**S20	**Electric Belt Loader	48.00
**S20	**Electric Cabin Service	15.00
**S20	**Electric Food Truck	35.00
**S20	APU GTCP 36 (80HP)	7.00
**S20	**CNG Hydrant Truck	35.00
**S20	**CNG Lavatory Truck	10.00
**S36	**Electric Aircraft Tug Narrow	6.00
**S36	**Electric Baggage Tug	85.00
**S36	**Electric Cabin Service	15.00
**S36	**Electric Belt Loader	48.00
**S36	**Electric Food Truck	35.00
**S36	**Electric Lavatory Truck	20.00
**S36	APU GTCP 36 (80HP)	7.00
**S36	**CNG Hydrant Truck	35.00
**SF3	**Electric Aircraft Tug Narrow	6.00
**SF3	**Electric Baggage Tug	85.00
**SF3	**Electric Belt Loader	48.00
**SF3	**Electric Cabin Service	15.00
**SF3	**Electric Food Truck	35.00
**SF3	**Electric Lavatory Truck	20.00
**SF3	APU GTCP 36 (80HP)	7.00
**SF3	**CNG Hydrant Truck	35.00
**SWM	**Electric Aircraft Tug Narrow	6.00
**SWM	**Electric Baggage Tug	85.00
**SWM	**Electric Belt Loader	48.00
**SWM	**Electric Cabin Service	15.00
**SWM	**Electric Food Truck	35.00
**SWM	**Electric Lavatory Truck	20.00
**SWM	APU GTCP 36 (80HP)	7.00
**SWM	**CNG Hydrant Truck	0.00

Attachment H
Ground Support Equipment Assignments
to Aircraft (EDMS 4.1)

Table H1

**DMS 4.1 GSE Assignments for Unmitigated Alternative D 2013/2015
(mitigated runs assumed all electric GSE)**

Air Name	Eng Name	Inst Name	GSE Name	Fuel	OP Time	Horsepower	Loadfactor
FOKKER 100-100	TAY650-15	RWY 24	Service Truck	D	15.00	174	0.2000
FOKKER 100-100	TAY650-15	RWY 24	Lavatory Truck	D	20.00	168	0.2500
FOKKER 100-100	TAY650-15	RWY 24	Fuel Truck	D	35.00	189	0.2500
FOKKER 100-100	TAY650-15	RWY 24	Catering Truck	D	35.00	240	0.5300
FOKKER 100-100	TAY650-15	RWY 24	Belt Loader	D	48.00	54	0.5000
FOKKER 100-100	TAY650-15	RWY 24	Baggage Tug	G	85.00	100	0.5500
FOKKER 100-100	TAY650-15	RWY 24	APU GTCP 36 (80HP)		7.00	0	0.0000
FOKKER 100-100	TAY650-15	RWY 24	Aircraft Tug	D	8.00	213	0.8000
FOKKER 100-100	TAY650-15	RWY 25	Service Truck	D	15.00	174	0.2000
FOKKER 100-100	TAY650-15	RWY 25	Lavatory Truck	D	20.00	168	0.2500
FOKKER 100-100	TAY650-15	RWY 25	Fuel Truck	D	35.00	189	0.2500
FOKKER 100-100	TAY650-15	RWY 25	Catering Truck	D	35.00	240	0.5300
FOKKER 100-100	TAY650-15	RWY 25	Belt Loader	D	48.00	54	0.5000
FOKKER 100-100	TAY650-15	RWY 25	Baggage Tug	G	85.00	100	0.5500
FOKKER 100-100	TAY650-15	RWY 25	APU GTCP 36 (80HP)		7.00	0	0.0000
FOKKER 100-100	TAY650-15	RWY 25	Aircraft Tug	D	8.00	213	0.8000
A310-200	JT9D-7R4E1	RWY 25	APU GTCP 331 (143 HP)		7.00	0	0.0000
A319	CFM56-5B6/P	RWY 24	APU GTCP 331 (143 HP)		7.00	0	0.0000
A330	PW4168	RWY 24	APU GTCP 331 (143 HP)		7.00	0	0.0000
A330	PW4168	RWY 25	APU GTCP 331 (143 HP)		7.00	0	0.0000
A340-200	CFM56-5C4	RWY 24	APU GTCP 331 (143 HP)		7.00	0	0.0000
A340-200	CFM56-5C4	RWY 25	APU GTCP 331 (143 HP)		7.00	0	0.0000
B737-300	CFM56-3-B1	RWY 24	APU GTCP 85 (200 HP)		7.00	0	0.0000
B737-300	CFM56-3-B1	RWY 25	APU GTCP 85 (200 HP)		7.00	0	0.0000
B737-400	CFM56-3B-2	RWY 25	APU GTCP 85 (200 HP)		7.00	0	0.0000
B737-500	CFM56-3C-1	RWY 24	APU GTCP 85 (200 HP)		7.00	0	0.0000
B737-500	CFM56-3C-1	RWY 25	APU GTCP 85 (200 HP)		7.00	0	0.0000
B747-400	PW4056	RWY 24	APU PW901A		7.00	0	0.0000
B747-400	PW4056	RWY 25	APU PW901A		7.00	0	0.0000
B747-200	CF6-50E2	RWY 24	APU GTCP 660 (300 HP)		7.00	0	0.0000
B747-200	CF6-50E2	RWY 25	APU GTCP 660 (300 HP)		7.00	0	0.0000
B747-200C	CF6-50E2	RWY 24 - Combination	APU GTCP 660 (300 HP)		7.00	0	0.0000
B747-200C	CF6-50E2	RWY 25 - Combination	APU GTCP 660 (300 HP)		7.00	0	0.0000
B747-SP	JT9D-7A	RWY 24 - 747-X	APU PW901A		7.00	0	0.0000
B757-200	PW2037	RWY 24	APU GTCP 331 (143 HP)		7.00	0	0.0000
B757-200	PW2037	RWY 25	APU GTCP 331 (143 HP)		7.00	0	0.0000
B767-300	CF6-80A2	RWY 24	APU GTCP 331 (143 HP)		7.00	0	0.0000
B767-300	CF6-80A2	RWY 25	APU GTCP 331 (143 HP)		7.00	0	0.0000
B767-200	CF6-80A (A1)	RWY 24	APU GTCP 331 (143 HP)		7.00	0	0.0000
B767-200	CF6-80A (A1)	RWY 25	APU GTCP 331 (143 HP)		7.00	0	0.0000
B777-200	PW4077	RWY 24	APU GTCP331-500 (143 HP)		7.00	0	0.0000
B777-200	PW4077	RWY 25	APU GTCP331-500 (143 HP)		7.00	0	0.0000

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Table H1

**DMS 4.1 GSE Assignments for Unmitigated Alternative D 2013/2015
(mitigated runs assumed all electric GSE)**

Air Name	Eng Name	Inst Name	GSE Name	Fuel	OP Time	Horsepower	Loadfactor
A300B	CF6-80C2A5	RWY 24	APU TSCP700-4B (142 HP)		7.00	0	0.0000
A300B	CF6-80C2A5	RWY 25	APU TSCP700-4B (142 HP)		7.00	0	0.0000
ATR72-200	PW124-B	RWY 24	APU GTCP 36 (80HP)		7.00	0	0.0000
ATR72-200	PW124-B	RWY 25	APU GTCP 36 (80HP)		7.00	0	0.0000
ATR42	PW120	RWY 24	APU GTCP 36 (80HP)		7.00	0	0.0000
ATR42	PW120	RWY 25	APU GTCP 36 (80HP)		7.00	0	0.0000
BH-1900	PT6A-67B	RWY 24	APU -NONE-		0.00	0	0.0000
BH-1900	PT6A-67B	RWY 25	APU -NONE-		0.00	0	0.0000
Canadair Reg-700	CF34-8C1	RWY 24 - RJ70	APU GTCP 85 (200 HP)		7.00	0	0.0000
Cessna 150	O-200	RWY 25 - Gen Av Prop	APU -NONE-		0.00	0	0.0000
DASH-7	PT6A-50	RWY 24	Service Truck	D	15.00	174	0.2000
DASH-7	PT6A-50	RWY 24	Lavatory Truck	D	20.00	168	0.2500
DASH-7	PT6A-50	RWY 24	Fuel Truck	D	35.00	189	0.2500
DASH-7	PT6A-50	RWY 24	Catering Truck	D	35.00	240	0.5300
DASH-7	PT6A-50	RWY 24	Belt Loader	D	48.00	54	0.5000
DASH-7	PT6A-50	RWY 24	Baggage Tug	G	85.00	100	0.5500
DASH-7	PT6A-50	RWY 24	APU GTCP 36 (80HP)		7.00	0	0.0000
DASH-7	PT6A-50	RWY 24	Aircraft Tug	D	8.00	213	0.8000
DASH-7	PT6A-50	RWY 25	Service Truck	D	15.00	174	0.2000
DASH-7	PT6A-50	RWY 25	Lavatory Truck	D	20.00	168	0.2500
DASH-7	PT6A-50	RWY 25	Fuel Truck	D	35.00	189	0.2500
DASH-7	PT6A-50	RWY 25	Catering Truck	D	35.00	240	0.5300
DASH-7	PT6A-50	RWY 25	Belt Loader	D	48.00	54	0.5000
DASH-7	PT6A-50	RWY 25	Baggage Tug	G	85.00	100	0.5500
DASH-7	PT6A-50	RWY 25	APU GTCP 36 (80HP)		7.00	0	0.0000
DASH-7	PT6A-50	RWY 25	Aircraft Tug	D	8.00	213	0.8000
EMB-120	PW118	RWY 24	APU GTCP 36 (80HP)		7.00	0	0.0000
EMB-120	PW118	RWY 25	APU GTCP 36 (80HP)		7.00	0	0.0000
EMB-110KQ1	PT6A-27	RWY 24	APU GTCP 36 (80HP)		7.00	0	0.0000
EMB-110KQ1	PT6A-27	RWY 25	APU GTCP 36 (80HP)		7.00	0	0.0000
Fokker50	PW127-A	RWY 24	Service Truck	D	15.00	174	0.2000
Fokker50	PW127-A	RWY 24	Lavatory Truck	D	20.00	168	0.2500
Fokker50	PW127-A	RWY 24	Fuel Truck	D	35.00	189	0.2500
Fokker50	PW127-A	RWY 24	Catering Truck	D	35.00	240	0.5300
Fokker50	PW127-A	RWY 24	Belt Loader	D	48.00	54	0.5000
Fokker50	PW127-A	RWY 24	Baggage Tug	G	85.00	100	0.5500
Fokker50	PW127-A	RWY 24	APU GTCP 36 (80HP)		7.00	0	0.0000
Fokker50	PW127-A	RWY 24	Aircraft Tug	D	8.00	213	0.8000
Fokker50	PW127-A	RWY 25	Service Truck	D	15.00	174	0.2000
Fokker50	PW127-A	RWY 25	Lavatory Truck	D	20.00	168	0.2500
Fokker50	PW127-A	RWY 25	Fuel Truck	D	35.00	189	0.2500
Fokker50	PW127-A	RWY 25	Catering Truck	D	35.00	240	0.5300

Table H1

**DMS 4.1 GSE Assignments for Unmitigated Alternative D 2013/2015
(mitigated runs assumed all electric GSE)**

Air Name	Eng Name	Inst Name	GSE Name	Fuel	OP Time	Horsepower	Loadfactor
Fokker50	PW127-A	RWY 25	Belt Loader	D	48.00	54	0.5000
Fokker50	PW127-A	RWY 25	Baggage Tug	G	85.00	100	0.5500
Fokker50	PW127-A	RWY 25	APU GTCP 36 (80HP)		7.00	0	0.0000
Fokker50	PW127-A	RWY 25	Aircraft Tug	D	8.00	213	0.8000
FOKKER 70	TAY620-15	RWY 24	Service Truck	D	15.00	174	0.2000
FOKKER 70	TAY620-15	RWY 24	Lavatory Truck	D	20.00	168	0.2500
FOKKER 70	TAY620-15	RWY 24	Fuel Truck	D	35.00	189	0.2500
FOKKER 70	TAY620-15	RWY 24	Catering Truck	D	35.00	240	0.5300
FOKKER 70	TAY620-15	RWY 24	Belt Loader	D	48.00	54	0.5000
FOKKER 70	TAY620-15	RWY 24	Baggage Tug	G	85.00	100	0.5500
FOKKER 70	TAY620-15	RWY 24	APU GTCP 85 (200 HP)		7.00	0	0.0000
FOKKER 70	TAY620-15	RWY 24	Aircraft Tug	D	8.00	213	0.8000
FOKKER 70	TAY620-15	RWY 25	Service Truck	D	15.00	174	0.2000
FOKKER 70	TAY620-15	RWY 25	Lavatory Truck	D	20.00	168	0.2500
FOKKER 70	TAY620-15	RWY 25	Fuel Truck	D	35.00	189	0.2500
FOKKER 70	TAY620-15	RWY 25	Catering Truck	D	35.00	240	0.5300
FOKKER 70	TAY620-15	RWY 25	Belt Loader	D	48.00	54	0.5000
FOKKER 70	TAY620-15	RWY 25	Baggage Tug	G	85.00	100	0.5500
FOKKER 70	TAY620-15	RWY 25	APU GTCP 85 (200 HP)		7.00	0	0.0000
FOKKER 70	TAY620-15	RWY 25	Aircraft Tug	D	8.00	213	0.8000
CITATION V	JT15D-5 (A & B)	RWY 25 - Gen Av Jet	APU GTCP 36 (80HP)		7.00	0	0.0000
MD-11	CF6-80C2D1F	RWY 24	APU TSCP700-4B (142 HP)		7.00	0	0.0000
MD-11	CF6-80C2D1F	RWY 25	APU TSCP700-4B (142 HP)		7.00	0	0.0000
MD-80	JT8D-219	RWY 24	APU GTCP 85 (200 HP)		7.00	0	0.0000
MD-80	JT8D-219	RWY 25	APU GTCP 85 (200 HP)		7.00	0	0.0000
MD-80-87	JT8D-219	RWY 24	APU GTCP 85 (200 HP)		7.00	0	0.0000
MD-90-10	V2525-D5	RWY 24	APU 131-9		7.00	0	0.0000
MD-90-10	V2525-D5	RWY 25	APU 131-9		7.00	0	0.0000
MD-95	BR700-715C1-30	RWY 24	APU GTCP 85 (200 HP)		7.00	0	0.0000
MD-95	BR700-715C1-30	RWY 25	APU GTCP 85 (200 HP)		7.00	0	0.0000
SHORT 360	PT6A-65AR	RWY 24	Service Truck	D	15.00	174	0.2000
SHORT 360	PT6A-65AR	RWY 24	Lavatory Truck	D	20.00	168	0.2500
SHORT 360	PT6A-65AR	RWY 24	Fuel Truck	D	35.00	189	0.2500
SHORT 360	PT6A-65AR	RWY 24	Catering Truck	D	35.00	240	0.5300
SHORT 360	PT6A-65AR	RWY 24	Belt Loader	D	48.00	54	0.5000
SHORT 360	PT6A-65AR	RWY 24	Baggage Tug	G	85.00	100	0.5500
SHORT 360	PT6A-65AR	RWY 24	APU GTCP 36 (80HP)		7.00	0	0.0000
SHORT 360	PT6A-65AR	RWY 24	Aircraft Tug	D	8.00	213	0.8000
SHORT 360	PT6A-65AR	RWY 25	Service Truck	D	15.00	174	0.2000
SHORT 360	PT6A-65AR	RWY 25	Lavatory Truck	D	20.00	168	0.2500
SHORT 360	PT6A-65AR	RWY 25	Fuel Truck	D	35.00	189	0.2500
SHORT 360	PT6A-65AR	RWY 25	Catering Truck	D	35.00	240	0.5300

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Table H1

DMS 4.1 GSE Assignments for Unmitigated Alternative D 2013/2015 (mitigated runs assumed all electric GSE)

Air Name	Eng Name	Inst Name	GSE Name	Fuel	OP Time	Horsepower	Loadfactor
SHORT 360	PT6A-65AR	RWY 25	Belt Loader	D	48.00	54	0.5000
SHORT 360	PT6A-65AR	RWY 25	Baggage Tug	G	85.00	100	0.5500
SHORT 360	PT6A-65AR	RWY 25	APU GTCP 36 (80HP)		7.00	0	0.0000
SHORT 360	PT6A-65AR	RWY 25	Aircraft Tug	D	8.00	213	0.8000
SF-340-A	CT7-5	RWY 24	APU GTCP 36 (80HP)		7.00	0	0.0000
SF-340-A	CT7-5	RWY 25	APU GTCP 36 (80HP)		7.00	0	0.0000
Swearingen Metro 2	TPE331-3	RWY 24	APU GTCP 36 (80HP)		7.00	0	0.0000
Swearingen Metro 2	TPE331-3	RWY 25	APU GTCP 36 (80HP)		7.00	0	0.0000
A300-C4-200	CF6-50E2	RWY 25 - Cargo	APU GTCP 331 (143 HP)		7.00	0	0.0000
A310-200C	CF6-80CB42	RWY 25 - Cargo	APU GTCP 331 (143 HP)		7.00	0	0.0000
B737-200C	JT8D-17	RWY 25 - Cargo	APU GTCP 85 (200 HP)		7.00	0	0.0000
B747-200F	JT9D-7F	RWY 25 - Cargo	APU GTCP 660 (300 HP)		7.00	0	0.0000
B747-400F	CF6-80C2B1F	RWY 25 - Cargo	APU PW901A		7.00	0	0.0000
B757-200F	RB211-535E4	RWY 25 - Cargo	APU GTCP 331 (143 HP)		7.00	0	0.0000
B767-300F	PW4056	RWY 25 - Cargo	APU GTCP 331 (143 HP)		7.00	0	0.0000
BH-1900C	PT6A-65B	RWY 25 - Cargo	APU -NONE-		0.00	0	0.0000
Cessna 208 Caravan	PT6A-114	RWY 25 - Gen Av Prop Cargo	APU -NONE-		0.00	0	0.0000
DC10-30F	CF6-50C2	RWY 25 - Cargo	APU TSCP700-4B (142 HP)		7.00	0	0.0000
MD-11-11F	CF6-80C2D1F	RWY 25 - Cargo	APU TSCP700-4B (142 HP)		7.00	0	0.0000
**Saab 2000	User-Created	RWY 24	APU -NONE-		7.00	0	0.0000
**Saab 2000	User-Created	RWY 25	APU -NONE-		7.00	0	0.0000
**Canadair RJ-50	User-Created	RWY 24	APU -NONE-		7.00	0	0.0000
**Canadair RJ-50	User-Created	RWY 25	APU -NONE-		7.00	0	0.0000
**Jetstream 31	User-Created	RWY 24	APU -NONE-		0.00	0	0.0000
A320	V2527-A5	RWY 24	Service Truck	D	15.00	174	0.2000
A320	V2527-A5	RWY 24	APU GTCP 36 (80HP)		7.00	0	0.0000
A320	V2527-A5	RWY 25	APU GTCP 36 (80HP)		7.00	0	0.0000
B737-500	CFM56-3C-1	RWY 24 - 2	APU GTCP 85 (200 HP)		7.00	0	0.0000
B737-500	CFM56-3C-1	RWY 25 - 2	APU GTCP 85 (200 HP)		7.00	0	0.0000
**Canadair RJ50	User-Created	RWY 24	APU GTCP 85 (200 HP)		7.00		
**Canadair RJ50	User-Created	RWY 25	APU GTCP 85 (200 HP)		7.00		
**Saab2000	User-Created	RWY 24	APU GTCP 36 (80HP)		7.00		
**Saab2000	User-Created	RWY 25	APU GTCP 36 (80HP)		7.00		
Fokker 100	TAY650-15	RWY 24	APU GTCP 36-150[RR]		7.00		
Fokker 100	TAY650-15	RWY 24	Lavatory Truck, Narrow Body	D	15.00	56	0.2500
Fokker 100	TAY650-15	RWY 24	Hydrant Truck, Narrow Body	G	12.00	260	0.7000
Fokker 100	TAY650-15	RWY 24	Catering Truck, Narrow Body	G	15.00	260	0.5300
Fokker 100	TAY650-15	RWY 24	Cabin Service Truck, Narrow	E	20.00	260	0.5300
Fokker 100	TAY650-15	RWY 24	Belt Loader, Narrow Body	C	48.00	83	0.5000
Fokker 100	TAY650-15	RWY 24	Baggage Tractor, Narrow Body	C	75.00	83	0.5500
Fokker 100	TAY650-15	RWY 24	Aircraft Tractor, Narrow Body	E	8.00	0	0.8000
Fokker 100	TAY650-15	RWY 25	APU GTCP 36-150[RR]		7.00		

Table H1

**DMS 4.1 GSE Assignments for Unmitigated Alternative D 2013/2015
(mitigated runs assumed all electric GSE)**

Air Name	Eng Name	Inst Name	GSE Name	Fuel	OP Time	Horsepower	Loadfactor
Fokker 100	TAY650-15	RWY 25	Lavatory Truck, Narrow Body	D	15.00	56	0.2500
Fokker 100	TAY650-15	RWY 25	Hydrant Truck, Narrow Body	G	12.00	260	0.7000
Fokker 100	TAY650-15	RWY 25	Catering Truck, Narrow Body	G	15.00	260	0.5300
Fokker 100	TAY650-15	RWY 25	Cabin Service Truck, Narrow	E	20.00	210	0.5300
Fokker 100	TAY650-15	RWY 25	Belt Loader, Narrow Body	C	48.00	83	0.5000
Fokker 100	TAY650-15	RWY 25	Baggage Tractor, Narrow Body	C	75.00	83	0.5500
Fokker 100	TAY650-15	RWY 25	Aircraft Tractor, Narrow Body	E	8.00	0	0.8000
Fokker 50	PW127-A	RWY 24	APU GTCP 36 (80HP)		7.00		
Fokker 50	PW127-A	RWY 24	Lavatory Truck, Narrow Body	C	15.00	82	0.2500
Fokker 50	PW127-A	RWY 24	Catering Truck, Commuter/Reg	E	10.00	0	0.5300
Fokker 50	PW127-A	RWY 24	Cabin Service Truck, Comm/Reg	C	10.00	83	0.5300
Fokker 50	PW127-A	RWY 24	Belt Loader, Commuter	E	30.00	0	0.5000
Fokker 50	PW127-A	RWY 24	Baggage Tractor, Commuter	E	35.00	0	0.5500
Fokker 50	PW127-A	RWY 24	Aircraft Tractor, Commuter/Reg	E	5.00	0	0.8000
Fokker 50	PW127-A	RWY 25	APU GTCP 36 (80HP)		7.00		
Fokker 50	PW127-A	RWY 25	Lavatory Truck, Narrow Body	C	15.00	82	0.2500
Fokker 50	PW127-A	RWY 25	Catering Truck, Commuter/Reg	E	10.00	0	0.5300
Fokker 50	PW127-A	RWY 25	Cabin Service Truck, Comm/Reg	C	10.00	83	0.5300
Fokker 50	PW127-A	RWY 25	Belt Loader, Commuter	E	30.00	0	0.5000
Fokker 50	PW127-A	RWY 25	Baggage Tractor, Commuter	E	35.00	0	0.5500
Fokker 50	PW127-A	RWY 25	Aircraft Tractor, Commuter/Reg	E	5.00	0	0.8000
Fokker 70	TAY620-15	RWY 24	APU GTCP 85 (200 HP)		7.00		
Fokker 70	TAY620-15	RWY 24	Lavatory Truck, Narrow Body	G	15.00	97	0.2500
Fokker 70	TAY620-15	RWY 24	Hydrant Truck, Narrow Body	C	12.00	360	0.7000
Fokker 70	TAY620-15	RWY 24	Catering Truck, Narrow Body	E	15.00	210	0.5300
Fokker 70	TAY620-15	RWY 24	Cabin Service Truck, Narrow	E	20.00	210	0.5300
Fokker 70	TAY620-15	RWY 24	Belt Loader, Narrow Body	E	48.00	0	0.5000
Fokker 70	TAY620-15	RWY 24	Baggage Tractor, Narrow Body	E	75.00	0	0.5500
Fokker 70	TAY620-15	RWY 24	Aircraft Tractor, Narrow Body	E	8.00	0	0.8000
Fokker 70	TAY620-15	RWY 25	APU GTCP 85 (200 HP)		7.00		
Fokker 70	TAY620-15	RWY 25	Lavatory Truck, Narrow Body	G	15.00	97	0.2500
Fokker 70	TAY620-15	RWY 25	Hydrant Truck, Narrow Body	C	12.00	360	0.7000
Fokker 70	TAY620-15	RWY 25	Catering Truck, Narrow Body	E	15.00	210	0.5300
Fokker 70	TAY620-15	RWY 25	Cabin Service Truck, Narrow	E	20.00	210	0.5300
Fokker 70	TAY620-15	RWY 25	Belt Loader, Narrow Body	E	48.00	0	0.5000
Fokker 70	TAY620-15	RWY 25	Baggage Tractor, Narrow Body	E	75.00	0	0.5500
Fokker 70	TAY620-15	RWY 25	Aircraft Tractor, Narrow Body	E	8.00	0	0.8000
Dash 7	PT6A-50	RWY 24	Lavatory Truck, Narrow Body	G	15.00	97	0.2500
Dash 7	PT6A-50	RWY 24	Catering Truck, Commuter/Reg	E	10.00	0	0.5300
Dash 7	PT6A-50	RWY 24	Cabin Service Truck, Comm/Reg	E	10.00	0	0.5300
Dash 7	PT6A-50	RWY 24	Belt Loader, Commuter	E	30.00	0	0.5000
Dash 7	PT6A-50	RWY 24	Baggage Tractor, Commuter	E	35.00	0	0.5500

Table H1

DMS 4.1 GSE Assignments for Unmitigated Alternative D 2013/2015
(mitigated runs assumed all electric GSE)

Air Name	Eng Name	Inst Name	GSE Name	Fuel	OP Time	Horsepower	Loadfactor
Dash 7	PT6A-50	RWY 24	Aircraft Tractor, Commuter/Reg	E	5.00	0	0.8000
Dash 7	PT6A-50	RWY 24	APU GTCP 36 (80HP)		7.00		
Dash 7	PT6A-50	RWY 25	Lavatory Truck, Narrow Body	G	15.00	97	0.2500
Dash 7	PT6A-50	RWY 25	Catering Truck, Commuter/Reg	E	10.00	0	0.5300
Dash 7	PT6A-50	RWY 25	Cabin Service Truck, Comm/Reg	E	10.00	0	0.5300
Dash 7	PT6A-50	RWY 25	Belt Loader, Commuter	E	30.00	0	0.5000
Dash 7	PT6A-50	RWY 25	Baggage Tractor, Commuter	E	35.00	0	0.5500
Dash 7	PT6A-50	RWY 25	Aircraft Tractor, Commuter/Reg	E	5.00	0	0.8000
Dash 7	PT6A-50	RWY 25	APU GTCP 36 (80HP)		7.00		
Shorts 360	PT6A-65AR	RWY 24	APU GTCP 36 (80HP)		26.00		
Shorts 360	PT6A-65AR	RWY 24	Cabin Service Truck, Comm/Reg	E	10.00	0	0.5300
Shorts 360	PT6A-65AR	RWY 24	Belt Loader, Commuter	E	30.00	0	0.5000
Shorts 360	PT6A-65AR	RWY 24	Baggage Tractor, Commuter	E	35.00	0	0.5500
Shorts 360	PT6A-65AR	RWY 24	Aircraft Tractor, Commuter/Reg	E	5.00	0	0.8000
Shorts 360	PT6A-65AR	RWY 25	APU GTCP 36 (80HP)		26.00		
Shorts 360	PT6A-65AR	RWY 25	Cabin Service Truck, Comm/Reg	E	10.00	0	0.5300
Shorts 360	PT6A-65AR	RWY 25	Belt Loader, Commuter	E	30.00	0	0.5000
Shorts 360	PT6A-65AR	RWY 25	Baggage Tractor, Commuter	E	35.00	0	0.5500
Shorts 360	PT6A-65AR	RWY 25	Aircraft Tractor, Commuter/Reg	E	5.00	0	0.8000
**Canadair RJ50	User-Created	RWY 24	Baggage Tractor, Narrow Body	C	75.00	83	0.5500
**Canadair RJ50	User-Created	RWY 24	Belt Loader, Narrow Body	C	48.00	83	0.5000
**Canadair RJ50	User-Created	RWY 24	Hydrant Truck, Narrow Body	C	12.00	360	0.7000
**Canadair RJ50	User-Created	RWY 24	Aircraft Tractor, Commuter/Reg	E	5.00	0	0.8000
**Canadair RJ50	User-Created	RWY 24	Catering Truck, Commuter/Reg	E	10.00	0	0.5300
**Canadair RJ50	User-Created	RWY 24	Cabin Service Truck, Comm/Reg	G	10.00	107	0.5300
**Canadair RJ50	User-Created	RWY 24	Lavatory Truck, Narrow Body	G	15.00	97	0.2500
**Canadair RJ50	User-Created	RWY 25	Aircraft Tractor, Commuter/Reg	E	5.00	0	0.8000
**Canadair RJ50	User-Created	RWY 25	Baggage Tractor, Narrow Body	C	75.00	83	0.5500
**Canadair RJ50	User-Created	RWY 25	Belt Loader, Narrow Body	C	48.00	83	0.5000
**Canadair RJ50	User-Created	RWY 25	Cabin Service Truck, Comm/Reg	G	10.00	107	0.5300
**Canadair RJ50	User-Created	RWY 25	Catering Truck, Commuter/Reg	E	10.00	0	0.5300
**Canadair RJ50	User-Created	RWY 25	Hydrant Truck, Narrow Body	C	12.00	360	0.7000
**Canadair RJ50	User-Created	RWY 25	Lavatory Truck, Narrow Body	G	15.00	97	0.2500
**Jetstream 31	User-Created	RWY 24	Aircraft Tractor, Commuter/Reg	E	5.00	0	0.8000
**Jetstream 31	User-Created	RWY 24	Fuel Truck, Small, < 3,000 gal	C	10.00	420	0.2500
**Jetstream 31	User-Created	RWY 25	APU -NONE-		0.00		
**Jetstream 31	User-Created	RWY 25	Aircraft Tractor, Commuter/Reg	E	5.00	0	0.8000
**Jetstream 31	User-Created	RWY 25	Fuel Truck, Small, < 3,000 gal	C	10.00	420	0.2500
**Saab2000	User-Created	RWY 24	Hydrant Truck, Narrow Body	C	12.00	360	0.7000
**Saab2000	User-Created	RWY 24	Lavatory Truck, Narrow Body	C	15.00	82	0.2500
**Saab2000	User-Created	RWY 24	Aircraft Tractor, Commuter/Reg	E	5.00	0	0.8000
**Saab2000	User-Created	RWY 24	Baggage Tractor, Commuter	E	35.00	0	0.5500

Table H1

**DMS 4.1 GSE Assignments for Unmitigated Alternative D 2013/2015
(mitigated runs assumed all electric GSE)**

Air Name	Eng Name	Inst Name	GSE Name	Fuel	OP Time	Horsepower	Loadfactor
**Saab2000	User-Created	RWY 24	Belt Loader, Commuter	E	30.00	0	0.5000
**Saab2000	User-Created	RWY 24	Cabin Service Truck, Comm/Reg	E	10.00	0	0.5300
**Saab2000	User-Created	RWY 24	Catering Truck, Commuter/Reg	E	10.00	0	0.5300
**Saab2000	User-Created	RWY 25	Aircraft Tractor, Commuter/Reg	E	5.00	0	0.8000
**Saab2000	User-Created	RWY 25	Baggage Tractor, Commuter	E	35.00	0	0.5500
**Saab2000	User-Created	RWY 25	Belt Loader, Commuter	E	30.00	0	0.5000
**Saab2000	User-Created	RWY 25	Cabin Service Truck, Comm/Reg	E	10.00	0	0.5300
**Saab2000	User-Created	RWY 25	Catering Truck, Commuter/Reg	E	10.00	0	0.5300
**Saab2000	User-Created	RWY 25	Hydrant Truck, Narrow Body	C	12.00	360	0.7000
**Saab2000	User-Created	RWY 25	Lavatory Truck, Narrow Body	C	15.00	82	0.2500
A300B	CF6-80C2A5	RWY 25	Aircraft Tractor, Wide Body	E	8.00	0	0.8000
A300B	CF6-80C2A5	RWY 25	Baggage Tractor, Wide Body	C	120.00	83	0.5500
A300B	CF6-80C2A5	RWY 25	Belt Loader, Wide Body	C	35.00	83	0.5000
A300B	CF6-80C2A5	RWY 25	Cabin Service Truck, Wide Body	C	35.00	360	0.5300
A300B	CF6-80C2A5	RWY 25	Cargo Loader, Wide, Main Deck	E	100.00	133	0.5000
A300B	CF6-80C2A5	RWY 25	Catering Truck, Wide Body	E	20.00	210	0.5300
A300B	CF6-80C2A5	RWY 25	Hydrant Truck, Wide Body	C	20.00	360	0.7000
A300B	CF6-80C2A5	RWY 25	Lavatory Truck, Wide Body	G	25.00	260	0.2500
A300B	CF6-80C2A5	RWY 25	Water Service	G	12.00	260	0.2000
A300B	CF6-80C2A5	RWY 24	Aircraft Tractor, Wide Body	E	8.00	0	0.8000
A300B	CF6-80C2A5	RWY 24	Baggage Tractor, Wide Body	C	120.00	83	0.5500
A300B	CF6-80C2A5	RWY 24	Belt Loader, Wide Body	C	35.00	83	0.5000
A300B	CF6-80C2A5	RWY 24	Cabin Service Truck, Wide Body	C	35.00	360	0.5300
A300B	CF6-80C2A5	RWY 24	Cargo Loader, Wide, Main Deck	E	100.00	133	0.5000
A300B	CF6-80C2A5	RWY 24	Catering Truck, Wide Body	E	20.00	210	0.5300
A300B	CF6-80C2A5	RWY 24	Hydrant Truck, Wide Body	C	20.00	360	0.7000
A300B	CF6-80C2A5	RWY 24	Lavatory Truck, Wide Body	G	25.00	260	0.2500
A300B	CF6-80C2A5	RWY 24	Water Service	G	12.00	260	0.2000
A300-C4-200	CF6-50E2	RWY 25 - Cargo	Aircraft Tractor, Wide Body	E	8.00	0	0.8000
A300-C4-200	CF6-50E2	RWY 25 - Cargo	Cargo Loader, Wide, Lower Lobe	E	80.00	0	0.5000
A300-C4-200	CF6-50E2	RWY 25 - Cargo	Cargo Loader, Wide, Main Deck	E	100.00	133	0.5000
A300-C4-200	CF6-50E2	RWY 25 - Cargo	Hydrant Truck, Wide Body	G	20.00	260	0.7000
A300-C4-200	CF6-50E2	RWY 25 - Cargo	Lavatory Truck, Wide Body	D	25.00	235	0.2500
A310-200	JT9D-7R4E1	RWY 25	Aircraft Tractor, Narrow Body	E	8.00	0	0.8000
A310-200	JT9D-7R4E1	RWY 25	Baggage Tractor, Narrow Body	G	75.00	107	0.5500
A310-200	JT9D-7R4E1	RWY 25	Belt Loader, Narrow Body	G	48.00	107	0.5000
A310-200	JT9D-7R4E1	RWY 25	Cabin Service Truck, Narrow	E	20.00	210	0.5300
A310-200	JT9D-7R4E1	RWY 25	Catering Truck, Narrow Body	E	15.00	210	0.5300
A310-200	JT9D-7R4E1	RWY 25	Hydrant Truck, Narrow Body	C	12.00	360	0.7000
A310-200	JT9D-7R4E1	RWY 25	Lavatory Truck, Narrow Body	D	15.00	56	0.2500
A310-200	JT9D-7R4E1	Copy of RWY 25	APU GTCP 331 (143 HP)		7.00	0	0.0000
A310-200C	CF6-80CB42	RWY 25 - Cargo	Lavatory Truck, Narrow Body	G	15.00	97	0.2500

Table H1

**DMS 4.1 GSE Assignments for Unmitigated Alternative D 2013/2015
(mitigated runs assumed all electric GSE)**

Air Name	Eng Name	Inst Name	GSE Name	Fuel	OP Time	Horsepower	Loadfactor
A310-200C	CF6-80CB42	RWY 25 - Cargo	Hydrant Truck, Narrow Body	C	12.00	360	0.7000
A310-200C	CF6-80CB42	RWY 25 - Cargo	Cargo Loader, Narrow Body	E	40.00	0	0.5000
A310-200C	CF6-80CB42	RWY 25 - Cargo	Aircraft Tractor, Narrow Body	E	8.00	0	0.8000
A319	CFM56-5B6/P	RWY 24	Lavatory Truck, Narrow Body	C	15.00	82	0.2500
A319	CFM56-5B6/P	RWY 24	Hydrant Truck, Narrow Body	C	12.00	360	0.7000
A319	CFM56-5B6/P	RWY 24	Catering Truck, Narrow Body	E	15.00	210	0.5300
A319	CFM56-5B6/P	RWY 24	Cabin Service Truck, Narrow	E	20.00	210	0.5300
A319	CFM56-5B6/P	RWY 24	Belt Loader, Narrow Body	E	48.00	0	0.5000
A319	CFM56-5B6/P	RWY 24	Baggage Tractor, Narrow Body	E	75.00	0	0.5500
A319	CFM56-5B6/P	RWY 24	Aircraft Tractor, Narrow Body	E	8.00	0	0.8000
A320	V2527-A5	RWY 25	Aircraft Tractor, Narrow Body	E	8.00	0	0.8000
A320	V2527-A5	RWY 25	Baggage Tractor, Narrow Body	G	75.00	107	0.5500
A320	V2527-A5	RWY 25	Belt Loader, Narrow Body	G	48.00	107	0.5000
A320	V2527-A5	RWY 25	Cabin Service Truck, Narrow	E	20.00	210	0.5300
A320	V2527-A5	RWY 25	Catering Truck, Narrow Body	G	15.00	260	0.5300
A320	V2527-A5	RWY 25	Hydrant Truck, Narrow Body	C	12.00	360	0.7000
A320	V2527-A5	RWY 25	Lavatory Truck, Narrow Body	E	15.00	0	0.2500
A320	V2527-A5	RWY 24	Aircraft Tractor, Narrow Body	E	8.00	0	0.8000
A320	V2527-A5	RWY 24	Baggage Tractor, Narrow Body	G	75.00	107	0.5500
A320	V2527-A5	RWY 24	Belt Loader, Narrow Body	G	48.00	107	0.5000
A320	V2527-A5	RWY 24	Cabin Service Truck, Narrow	C	20.00	360	0.5300
A320	V2527-A5	RWY 24	Catering Truck, Narrow Body	G	15.00	260	0.5300
A320	V2527-A5	RWY 24	Hydrant Truck, Narrow Body	C	12.00	360	0.7000
A320	V2527-A5	RWY 24	Lavatory Truck, Narrow Body	L	15.00	89	0.2500
A330	PW4168	RWY 25	Aircraft Tractor, Narrow Body	E	8.00	0	0.8000
A330	PW4168	RWY 25	Baggage Tractor, Narrow Body	E	75.00	0	0.5500
A330	PW4168	RWY 25	Belt Loader, Narrow Body	E	48.00	0	0.5000
A330	PW4168	RWY 25	Cabin Service Truck, Narrow	G	20.00	260	0.5300
A330	PW4168	RWY 25	Catering Truck, Narrow Body	E	15.00	210	0.5300
A330	PW4168	RWY 25	Hydrant Truck, Narrow Body	E	12.00	235	0.7000
A330	PW4168	RWY 25	Lavatory Truck, Narrow Body	E	15.00	0	0.2500
A330	PW4168	RWY 24	Aircraft Tractor, Narrow Body	E	8.00	0	0.8000
A330	PW4168	RWY 24	Baggage Tractor, Narrow Body	E	75.00	0	0.5500
A330	PW4168	RWY 24	Belt Loader, Narrow Body	E	48.00	0	0.5000
A330	PW4168	RWY 24	Cabin Service Truck, Narrow	G	20.00	260	0.5300
A330	PW4168	RWY 24	Catering Truck, Narrow Body	E	15.00	210	0.5300
A330	PW4168	RWY 24	Hydrant Truck, Narrow Body	E	12.00	235	0.7000
A330	PW4168	RWY 24	Lavatory Truck, Narrow Body	E	15.00	0	0.2500
A340-200	CFM56-5C4	RWY 25	Aircraft Tractor, Wide Body	E	8.00	0	0.8000
A340-200	CFM56-5C4	RWY 25	Baggage Tractor, Wide Body	C	120.00	83	0.5500
A340-200	CFM56-5C4	RWY 25	Belt Loader, Wide Body	C	35.00	83	0.5000
A340-200	CFM56-5C4	RWY 25	Cabin Service Truck, Wide Body	E	35.00	210	0.5300

Table H1

**DMS 4.1 GSE Assignments for Unmitigated Alternative D 2013/2015
(mitigated runs assumed all electric GSE)**

Air Name	Eng Name	Inst Name	GSE Name	Fuel	OP Time	Horsepower	Loadfactor
A340-200	CFM56-5C4	RWY 25	Cargo Loader, Wide, Main Deck	E	100.00	133	0.5000
A340-200	CFM56-5C4	RWY 25	Catering Truck, Wide Body	G	20.00	260	0.5300
A340-200	CFM56-5C4	RWY 25	Hydrant Truck, Wide Body	E	20.00	235	0.7000
A340-200	CFM56-5C4	RWY 25	Lavatory Truck, Wide Body	C	25.00	360	0.2500
A340-200	CFM56-5C4	RWY 25	Water Service	C	12.00	360	0.2000
A340-200	CFM56-5C4	RWY 24	Aircraft Tractor, Wide Body	E	8.00	0	0.8000
A340-200	CFM56-5C4	RWY 24	Baggage Tractor, Wide Body	C	120.00	83	0.5500
A340-200	CFM56-5C4	RWY 24	Belt Loader, Wide Body	C	35.00	83	0.5000
A340-200	CFM56-5C4	RWY 24	Cabin Service Truck, Wide Body	E	35.00	210	0.5300
A340-200	CFM56-5C4	RWY 24	Cargo Loader, Wide, Main Deck	E	100.00	133	0.5000
A340-200	CFM56-5C4	RWY 24	Catering Truck, Wide Body	G	20.00	260	0.5300
A340-200	CFM56-5C4	RWY 24	Hydrant Truck, Wide Body	E	20.00	235	0.7000
A340-200	CFM56-5C4	RWY 24	Lavatory Truck, Wide Body	C	25.00	360	0.2500
A340-200	CFM56-5C4	RWY 24	Water Service	C	12.00	360	0.2000
ATR42	PW120	RWY 25	Aircraft Tractor, Commuter/Reg	E	5.00	0	0.8000
ATR42	PW120	RWY 25	Baggage Tractor, Commuter	C	35.00	83	0.5500
ATR42	PW120	RWY 25	Belt Loader, Commuter	C	30.00	83	0.5000
ATR42	PW120	RWY 25	Cabin Service Truck, Comm/Reg	C	10.00	83	0.5300
ATR42	PW120	RWY 25	Catering Truck, Narrow Body	E	15.00	210	0.5300
ATR42	PW120	RWY 25	Hydrant Truck, Narrow Body	C	12.00	360	0.7000
ATR42	PW120	RWY 25	Lavatory Truck, Narrow Body	G	15.00	97	0.2500
ATR42	PW120	RWY 24	Aircraft Tractor, Commuter/Reg	E	5.00	0	0.8000
ATR42	PW120	RWY 24	Baggage Tractor, Commuter	C	35.00	83	0.5500
ATR42	PW120	RWY 24	Belt Loader, Commuter	C	30.00	83	0.5000
ATR42	PW120	RWY 24	Cabin Service Truck, Comm/Reg	C	10.00	83	0.5300
ATR42	PW120	RWY 24	Catering Truck, Commuter/Reg	E	10.00	0	0.5300
ATR42	PW120	RWY 24	Hydrant Truck, Narrow Body	C	12.00	360	0.7000
ATR42	PW120	RWY 24	Lavatory Truck, Narrow Body	G	15.00	97	0.2500
ATR72-200	PW124-B	RWY 25	Aircraft Tractor, Commuter/Reg	E	5.00	0	0.8000
ATR72-200	PW124-B	RWY 25	Baggage Tractor, Commuter	C	35.00	83	0.5500
ATR72-200	PW124-B	RWY 25	Belt Loader, Commuter	C	30.00	83	0.5000
ATR72-200	PW124-B	RWY 25	Cabin Service Truck, Comm/Reg	C	10.00	83	0.5300
ATR72-200	PW124-B	RWY 25	Catering Truck, Commuter/Reg	E	10.00	0	0.5300
ATR72-200	PW124-B	RWY 25	Hydrant Truck, Narrow Body	C	12.00	360	0.7000
ATR72-200	PW124-B	RWY 25	Lavatory Truck, Narrow Body	G	15.00	97	0.2500
ATR72-200	PW124-B	RWY 24	Aircraft Tractor, Commuter/Reg	E	5.00	0	0.8000
ATR72-200	PW124-B	RWY 24	Baggage Tractor, Commuter	C	35.00	83	0.5500
ATR72-200	PW124-B	RWY 24	Belt Loader, Commuter	C	30.00	83	0.5000
ATR72-200	PW124-B	RWY 24	Cabin Service Truck, Comm/Reg	C	10.00	83	0.5300
ATR72-200	PW124-B	RWY 24	Catering Truck, Commuter/Reg	E	10.00	0	0.5300
ATR72-200	PW124-B	RWY 24	Hydrant Truck, Narrow Body	C	12.00	360	0.7000
ATR72-200	PW124-B	RWY 24	Lavatory Truck, Narrow Body	G	15.00	97	0.2500

Table H1

**DMS 4.1 GSE Assignments for Unmitigated Alternative D 2013/2015
(mitigated runs assumed all electric GSE)**

Air Name	Eng Name	Inst Name	GSE Name	Fuel	OP Time	Horsepower	Loadfactor
B737-200C	JT8D-17	RWY 25 - Cargo	Lavatory Truck, Narrow Body	G	15.00	97	0.2500
B737-200C	JT8D-17	RWY 25 - Cargo	Hydrant Truck, Narrow Body	C	12.00	360	0.7000
B737-200C	JT8D-17	RWY 25 - Cargo	Cargo Loader, Narrow Body	E	40.00	0	0.5000
B737-200C	JT8D-17	RWY 25 - Cargo	Aircraft Tractor, Narrow Body	E	8.00	0	0.8000
B737-300	CFM56-3-B1	RWY 25	Aircraft Tractor, Narrow Body	E	8.00	0	0.8000
B737-300	CFM56-3-B1	RWY 25	Baggage Tractor, Narrow Body	C	75.00	83	0.5500
B737-300	CFM56-3-B1	RWY 25	Belt Loader, Narrow Body	C	48.00	83	0.5000
B737-300	CFM56-3-B1	RWY 25	Cabin Service Truck, Narrow	E	20.00	210	0.5300
B737-300	CFM56-3-B1	RWY 25	Catering Truck, Narrow Body	G	15.00	260	0.5300
B737-300	CFM56-3-B1	RWY 25	Hydrant Truck, Narrow Body	G	12.00	260	0.7000
B737-300	CFM56-3-B1	RWY 25	Lavatory Truck, Narrow Body	D	15.00	56	0.2500
B737-300	CFM56-3-B1	RWY 24	Aircraft Tractor, Narrow Body	E	8.00	0	0.8000
B737-300	CFM56-3-B1	RWY 24	Baggage Tractor, Narrow Body	C	75.00	83	0.5500
B737-300	CFM56-3-B1	RWY 24	Belt Loader, Narrow Body	C	48.00	83	0.5000
B737-300	CFM56-3-B1	RWY 24	Cabin Service Truck, Narrow	E	20.00	210	0.5300
B737-300	CFM56-3-B1	RWY 24	Catering Truck, Narrow Body	G	15.00	260	0.5300
B737-300	CFM56-3-B1	RWY 24	Hydrant Truck, Narrow Body	G	12.00	260	0.7000
B737-300	CFM56-3-B1	RWY 24	Lavatory Truck, Narrow Body	D	15.00	56	0.2500
B737-400	CFM56-3B-2	RWY 25	Lavatory Truck, Narrow Body	E	15.00	0	0.2500
B737-400	CFM56-3B-2	RWY 25	Hydrant Truck, Narrow Body	E	12.00	235	0.7000
B737-400	CFM56-3B-2	RWY 25	Catering Truck, Narrow Body	G	15.00	260	0.5300
B737-400	CFM56-3B-2	RWY 25	Cabin Service Truck, Narrow	C	20.00	360	0.5300
B737-400	CFM56-3B-2	RWY 25	Belt Loader, Narrow Body	C	48.00	83	0.5000
B737-400	CFM56-3B-2	RWY 25	Baggage Tractor, Narrow Body	C	75.00	83	0.5500
B737-400	CFM56-3B-2	RWY 25	Aircraft Tractor, Narrow Body	E	8.00	0	0.8000
B737-500	CFM56-3C-1	RWY 25 - 2	Lavatory Truck, Narrow Body	E	15.00	0	0.2500
B737-500	CFM56-3C-1	RWY 25 - 2	Hydrant Truck, Narrow Body	E	12.00	235	0.7000
B737-500	CFM56-3C-1	RWY 25 - 2	Catering Truck, Narrow Body	G	15.00	260	0.5300
B737-500	CFM56-3C-1	RWY 25 - 2	Cabin Service Truck, Narrow	C	20.00	360	0.5300
B737-500	CFM56-3C-1	RWY 25 - 2	Belt Loader, Narrow Body	C	48.00	83	0.5000
B737-500	CFM56-3C-1	RWY 25 - 2	Baggage Tractor, Narrow Body	C	75.00	83	0.5500
B737-500	CFM56-3C-1	RWY 25 - 2	Aircraft Tractor, Narrow Body	E	8.00	0	0.8000
B737-500	CFM56-3C-1	RWY 24 - 2	Lavatory Truck, Narrow Body	E	15.00	0	0.2500
B737-500	CFM56-3C-1	RWY 24 - 2	Hydrant Truck, Narrow Body	E	12.00	235	0.7000
B737-500	CFM56-3C-1	RWY 24 - 2	Catering Truck, Narrow Body	G	15.00	260	0.5300
B737-500	CFM56-3C-1	RWY 24 - 2	Cabin Service Truck, Narrow	C	20.00	360	0.5300
B737-500	CFM56-3C-1	RWY 24 - 2	Belt Loader, Narrow Body	C	48.00	83	0.5000
B737-500	CFM56-3C-1	RWY 24 - 2	Baggage Tractor, Narrow Body	C	75.00	83	0.5500
B737-500	CFM56-3C-1	RWY 24 - 2	Aircraft Tractor, Narrow Body	E	8.00	0	0.8000
B737-500	CFM56-3C-1	RWY 25	Lavatory Truck, Narrow Body	E	15.00	0	0.2500
B737-500	CFM56-3C-1	RWY 25	Hydrant Truck, Narrow Body	E	12.00	235	0.7000
B737-500	CFM56-3C-1	RWY 25	Catering Truck, Narrow Body	G	15.00	260	0.5300

Table H1

**DMS 4.1 GSE Assignments for Unmitigated Alternative D 2013/2015
(mitigated runs assumed all electric GSE)**

Air Name	Eng Name	Inst Name	GSE Name	Fuel	OP Time	Horsepower	Loadfactor
B737-500	CFM56-3C-1	RWY 25	Cabin Service Truck, Narrow	C	20.00	360	0.5300
B737-500	CFM56-3C-1	RWY 25	Belt Loader, Narrow Body	C	48.00	83	0.5000
B737-500	CFM56-3C-1	RWY 25	Baggage Tractor, Narrow Body	C	75.00	83	0.5500
B737-500	CFM56-3C-1	RWY 25	Aircraft Tractor, Narrow Body	E	8.00	0	0.8000
B737-500	CFM56-3C-1	RWY 24	Lavatory Truck, Narrow Body	E	15.00	0	0.2500
B737-500	CFM56-3C-1	RWY 24	Hydrant Truck, Narrow Body	E	12.00	235	0.7000
B737-500	CFM56-3C-1	RWY 24	Catering Truck, Narrow Body	G	15.00	260	0.5300
B737-500	CFM56-3C-1	RWY 24	Cabin Service Truck, Narrow	C	20.00	360	0.5300
B737-500	CFM56-3C-1	RWY 24	Belt Loader, Narrow Body	C	48.00	83	0.5000
B737-500	CFM56-3C-1	RWY 24	Baggage Tractor, Narrow Body	C	75.00	83	0.5500
B737-500	CFM56-3C-1	RWY 24	Aircraft Tractor, Narrow Body	E	8.00	0	0.8000
B747-200	CF6-50E2	RWY 25	Aircraft Tractor, Wide Body	E	8.00	0	0.8000
B747-200	CF6-50E2	RWY 25	Baggage Tractor, Wide Body	C	120.00	83	0.5500
B747-200	CF6-50E2	RWY 25	Belt Loader, Wide Body	C	35.00	83	0.5000
B747-200	CF6-50E2	RWY 25	Cabin Service Truck, Wide Body	E	35.00	210	0.5300
B747-200	CF6-50E2	RWY 25	Cargo Loader, Wide, Main Deck	E	100.00	133	0.5000
B747-200	CF6-50E2	RWY 25	Catering Truck, Wide Body	G	20.00	260	0.5300
B747-200	CF6-50E2	RWY 25	Hydrant Truck, Wide Body	C	20.00	360	0.7000
B747-200	CF6-50E2	RWY 25	Lavatory Truck, Wide Body	E	25.00	235	0.2500
B747-200	CF6-50E2	RWY 25	Water Service	C	12.00	360	0.2000
B747-200	CF6-50E2	RWY 24	Aircraft Tractor, Wide Body	E	8.00	0	0.8000
B747-200	CF6-50E2	RWY 24	Baggage Tractor, Wide Body	C	120.00	83	0.5500
B747-200	CF6-50E2	RWY 24	Belt Loader, Wide Body	C	35.00	83	0.5000
B747-200	CF6-50E2	RWY 24	Cabin Service Truck, Wide Body	E	35.00	210	0.5300
B747-200	CF6-50E2	RWY 24	Cargo Loader, Wide, Main Deck	E	100.00	133	0.5000
B747-200	CF6-50E2	RWY 24	Catering Truck, Wide Body	G	20.00	260	0.5300
B747-200	CF6-50E2	RWY 24	Hydrant Truck, Wide Body	C	20.00	360	0.7000
B747-200	CF6-50E2	RWY 24	Lavatory Truck, Wide Body	E	25.00	235	0.2500
B747-200	CF6-50E2	RWY 24	Water Service	C	12.00	360	0.2000
B747-200C	CF6-50E2	RWY 25 - Combination	Aircraft Tractor, Wide Body	E	8.00	0	0.8000
B747-200C	CF6-50E2	RWY 25 - Combination	Baggage Tractor, Wide Body	E	120.00	0	0.5500
B747-200C	CF6-50E2	RWY 25 - Combination	Belt Loader, Wide Body	E	35.00	0	0.5000
B747-200C	CF6-50E2	RWY 25 - Combination	Cabin Service Truck, Wide Body	E	35.00	210	0.5300
B747-200C	CF6-50E2	RWY 25 - Combination	Cargo Loader, Wide, Main Deck	E	100.00	133	0.5000
B747-200C	CF6-50E2	RWY 25 - Combination	Catering Truck, Wide Body	G	20.00	260	0.5300
B747-200C	CF6-50E2	RWY 25 - Combination	Hydrant Truck, Wide Body	G	20.00	260	0.7000
B747-200C	CF6-50E2	RWY 25 - Combination	Lavatory Truck, Wide Body	G	25.00	260	0.2500
B747-200C	CF6-50E2	RWY 25 - Combination	Water Service	C	12.00	360	0.2000
B747-200C	CF6-50E2	RWY 24 - Combination	Aircraft Tractor, Wide Body	E	8.00	0	0.8000
B747-200C	CF6-50E2	RWY 24 - Combination	Baggage Tractor, Wide Body	E	120.00	0	0.5500
B747-200C	CF6-50E2	RWY 24 - Combination	Belt Loader, Wide Body	E	35.00	0	0.5000
B747-200C	CF6-50E2	RWY 24 - Combination	Cabin Service Truck, Wide Body	E	35.00	210	0.5300

Table H1

**DMS 4.1 GSE Assignments for Unmitigated Alternative D 2013/2015
(mitigated runs assumed all electric GSE)**

Air Name	Eng Name	Inst Name	GSE Name	Fuel	OP Time	Horsepower	Loadfactor
B747-200C	CF6-50E2	RWY 24 - Combination	Cargo Loader, Wide, Main Deck	E	100.00	133	0.5000
B747-200C	CF6-50E2	RWY 24 - Combination	Catering Truck, Wide Body	G	20.00	260	0.5300
B747-200C	CF6-50E2	RWY 24 - Combination	Hydrant Truck, Wide Body	G	20.00	260	0.7000
B747-200C	CF6-50E2	RWY 24 - Combination	Lavatory Truck, Wide Body	G	25.00	260	0.2500
B747-200C	CF6-50E2	RWY 24 - Combination	Water Service	C	12.00	360	0.2000
B747-200F	JT9D-7F	RWY 25 - Cargo	Lavatory Truck, Wide Body	G	25.00	260	0.2500
B747-200F	JT9D-7F	RWY 25 - Cargo	Hydrant Truck, Wide Body	C	20.00	360	0.7000
B747-200F	JT9D-7F	RWY 25 - Cargo	Cargo Loader, Wide, Main Deck	E	100.00	133	0.5000
B747-200F	JT9D-7F	RWY 25 - Cargo	Cargo Loader, Wide, Lower Lobe	E	80.00	0	0.5000
B747-200F	JT9D-7F	RWY 25 - Cargo	Aircraft Tractor, Wide Body	E	8.00	0	0.8000
B747-400	PW4056	RWY 25	Aircraft Tractor, Wide Body	E	8.00	0	0.8000
B747-400	PW4056	RWY 25	Baggage Tractor, Wide Body	C	120.00	83	0.5500
B747-400	PW4056	RWY 25	Belt Loader, Wide Body	C	35.00	83	0.5000
B747-400	PW4056	RWY 25	Cabin Service Truck, Wide Body	E	35.00	210	0.5300
B747-400	PW4056	RWY 25	Cargo Loader, Wide, Main Deck	E	100.00	133	0.5000
B747-400	PW4056	RWY 25	Catering Truck, Wide Body	G	20.00	260	0.5300
B747-400	PW4056	RWY 25	Hydrant Truck, Wide Body	G	20.00	260	0.7000
B747-400	PW4056	RWY 25	Lavatory Truck, Wide Body	D	25.00	235	0.2500
B747-400	PW4056	RWY 25	Water Service	D	12.00	235	0.2000
B747-400	PW4056	RWY 24	Aircraft Tractor, Wide Body	E	8.00	0	0.8000
B747-400	PW4056	RWY 24	Baggage Tractor, Wide Body	C	120.00	83	0.5500
B747-400	PW4056	RWY 24	Belt Loader, Wide Body	C	35.00	83	0.5000
B747-400	PW4056	RWY 24	Cabin Service Truck, Wide Body	E	35.00	210	0.5300
B747-400	PW4056	RWY 24	Cargo Loader, Wide, Main Deck	E	100.00	133	0.5000
B747-400	PW4056	RWY 24	Catering Truck, Wide Body	G	20.00	260	0.5300
B747-400	PW4056	RWY 24	Hydrant Truck, Wide Body	G	20.00	260	0.7000
B747-400	PW4056	RWY 24	Lavatory Truck, Wide Body	D	25.00	235	0.2500
B747-400	PW4056	RWY 24	Water Service	D	12.00	235	0.2000
B747-400F	CF6-80C2B1F	RWY 25 - Cargo	Lavatory Truck, Wide Body	G	25.00	260	0.2500
B747-400F	CF6-80C2B1F	RWY 25 - Cargo	Hydrant Truck, Wide Body	C	20.00	360	0.7000
B747-400F	CF6-80C2B1F	RWY 25 - Cargo	Cargo Loader, Wide, Main Deck	E	100.00	133	0.5000
B747-400F	CF6-80C2B1F	RWY 25 - Cargo	Cargo Loader, Wide, Lower Lobe	E	80.00	0	0.5000
B747-400F	CF6-80C2B1F	RWY 25 - Cargo	Aircraft Tractor, Wide Body	E	8.00	0	0.8000
B747-SP	JT9D-7A	RWY 24 - 747-X	Aircraft Tractor, Wide Body	E	8.00	0	0.8000
B747-SP	JT9D-7A	RWY 24 - 747-X	Baggage Tractor, Wide Body	G	120.00	107	0.5500
B747-SP	JT9D-7A	RWY 24 - 747-X	Belt Loader, Wide Body	G	35.00	107	0.5000
B747-SP	JT9D-7A	RWY 24 - 747-X	Cabin Service Truck, Wide Body	E	35.00	210	0.5300
B747-SP	JT9D-7A	RWY 24 - 747-X	Cargo Loader, Wide, Main Deck	E	100.00	133	0.5000
B747-SP	JT9D-7A	RWY 24 - 747-X	Catering Truck, Wide Body	E	20.00	210	0.5300
B747-SP	JT9D-7A	RWY 24 - 747-X	Hydrant Truck, Wide Body	E	20.00	235	0.7000
B747-SP	JT9D-7A	RWY 24 - 747-X	Lavatory Truck, Wide Body	G	25.00	260	0.2500
B747-SP	JT9D-7A	RWY 24 - 747-X	Water Service	C	12.00	360	0.2000

Table H1

**DMS 4.1 GSE Assignments for Unmitigated Alternative D 2013/2015
(mitigated runs assumed all electric GSE)**

Air Name	Eng Name	Inst Name	GSE Name	Fuel	OP Time	Horsepower	Loadfactor
B757-200	PW2037	RWY 25	Aircraft Tractor, Narrow Body	E	8.00	0	0.8000
B757-200	PW2037	RWY 25	Baggage Tractor, Narrow Body	E	75.00	0	0.5500
B757-200	PW2037	RWY 25	Belt Loader, Narrow Body	E	48.00	0	0.5000
B757-200	PW2037	RWY 25	Cabin Service Truck, Narrow	G	20.00	260	0.5300
B757-200	PW2037	RWY 25	Catering Truck, Narrow Body	C	15.00	360	0.5300
B757-200	PW2037	RWY 25	Hydrant Truck, Narrow Body	C	12.00	360	0.7000
B757-200	PW2037	RWY 25	Lavatory Truck, Narrow Body	G	15.00	97	0.2500
B757-200	PW2037	RWY 24	Aircraft Tractor, Narrow Body	E	8.00	0	0.8000
B757-200	PW2037	RWY 24	Baggage Tractor, Narrow Body	E	75.00	0	0.5500
B757-200	PW2037	RWY 24	Belt Loader, Narrow Body	E	48.00	0	0.5000
B757-200	PW2037	RWY 24	Cabin Service Truck, Narrow	G	20.00	260	0.5300
B757-200	PW2037	RWY 24	Catering Truck, Narrow Body	C	15.00	360	0.5300
B757-200	PW2037	RWY 24	Hydrant Truck, Narrow Body	C	12.00	360	0.7000
B757-200	PW2037	RWY 24	Lavatory Truck, Narrow Body	G	15.00	97	0.2500
B757-200F	RB211-535E4	RWY 25 - Cargo	Aircraft Tractor, Narrow Body	E	8.00	0	0.8000
B757-200F	RB211-535E4	RWY 25 - Cargo	Cargo Loader, Narrow Body	E	40.00	0	0.5000
B757-200F	RB211-535E4	RWY 25 - Cargo	Hydrant Truck, Narrow Body	C	12.00	360	0.7000
B757-200F	RB211-535E4	RWY 25 - Cargo	Lavatory Truck, Narrow Body	C	15.00	82	0.2500
B767-200	CF6-80A (A1)	RWY 25	Aircraft Tractor, Narrow Body	E	8.00	0	0.8000
B767-200	CF6-80A (A1)	RWY 25	Baggage Tractor, Wide Body	C	120.00	83	0.5500
B767-200	CF6-80A (A1)	RWY 25	Belt Loader, Wide Body	C	35.00	83	0.5000
B767-200	CF6-80A (A1)	RWY 25	Cabin Service Truck, Wide Body	C	35.00	360	0.5300
B767-200	CF6-80A (A1)	RWY 25	Cargo Loader, Wide, Main Deck	E	100.00	133	0.5000
B767-200	CF6-80A (A1)	RWY 25	Catering Truck, Wide Body	E	20.00	210	0.5300
B767-200	CF6-80A (A1)	RWY 25	Hydrant Truck, Wide Body	C	20.00	360	0.7000
B767-200	CF6-80A (A1)	RWY 25	Lavatory Truck, Wide Body	G	25.00	260	0.2500
B767-200	CF6-80A (A1)	RWY 25	Water Service	E	12.00	0	0.2000
B767-200	CF6-80A (A1)	RWY 24	Aircraft Tractor, Narrow Body	E	8.00	0	0.8000
B767-200	CF6-80A (A1)	RWY 24	Baggage Tractor, Wide Body	C	120.00	83	0.5500
B767-200	CF6-80A (A1)	RWY 24	Belt Loader, Wide Body	C	35.00	83	0.5000
B767-200	CF6-80A (A1)	RWY 24	Cabin Service Truck, Wide Body	C	35.00	360	0.5300
B767-200	CF6-80A (A1)	RWY 24	Cargo Loader, Wide, Main Deck	E	100.00	133	0.5000
B767-200	CF6-80A (A1)	RWY 24	Catering Truck, Wide Body	E	20.00	210	0.5300
B767-200	CF6-80A (A1)	RWY 24	Hydrant Truck, Wide Body	C	20.00	360	0.7000
B767-200	CF6-80A (A1)	RWY 24	Lavatory Truck, Wide Body	G	25.00	260	0.2500
B767-200	CF6-80A (A1)	RWY 24	Water Service	E	12.00	0	0.2000
B767-300	CF6-80A2	RWY 25	Water Service	E	12.00	0	0.2000
B767-300	CF6-80A2	RWY 25	Lavatory Truck, Wide Body	G	25.00	260	0.2500
B767-300	CF6-80A2	RWY 25	Hydrant Truck, Wide Body	C	20.00	360	0.7000
B767-300	CF6-80A2	RWY 25	Catering Truck, Wide Body	G	20.00	260	0.5300
B767-300	CF6-80A2	RWY 25	Cargo Loader, Wide, Main Deck	E	100.00	133	0.5000
B767-300	CF6-80A2	RWY 25	Cabin Service Truck, Wide Body	C	35.00	360	0.5300

Table H1

**DMS 4.1 GSE Assignments for Unmitigated Alternative D 2013/2015
(mitigated runs assumed all electric GSE)**

Air Name	Eng Name	Inst Name	GSE Name	Fuel	OP Time	Horsepower	Loadfactor
B767-300	CF6-80A2	RWY 25	Belt Loader, Wide Body	C	35.00	83	0.5000
B767-300	CF6-80A2	RWY 25	Baggage Tractor, Wide Body	C	120.00	83	0.5500
B767-300	CF6-80A2	RWY 25	Aircraft Tractor, Wide Body	E	8.00	0	0.8000
B767-300	CF6-80A2	RWY 24	Water Service	E	12.00	0	0.2000
B767-300	CF6-80A2	RWY 24	Lavatory Truck, Wide Body	G	25.00	260	0.2500
B767-300	CF6-80A2	RWY 24	Hydrant Truck, Wide Body	C	20.00	360	0.7000
B767-300	CF6-80A2	RWY 24	Catering Truck, Wide Body	G	20.00	260	0.5300
B767-300	CF6-80A2	RWY 24	Cargo Loader, Wide, Main Deck	E	100.00	133	0.5000
B767-300	CF6-80A2	RWY 24	Cabin Service Truck, Wide Body	C	35.00	360	0.5300
B767-300	CF6-80A2	RWY 24	Belt Loader, Wide Body	C	35.00	83	0.5000
B767-300	CF6-80A2	RWY 24	Baggage Tractor, Wide Body	C	120.00	83	0.5500
B767-300	CF6-80A2	RWY 24	Aircraft Tractor, Wide Body	E	8.00	0	0.8000
B767-300F	PW4056	RWY 25 - Cargo	Lavatory Truck, Wide Body	C	25.00	360	0.2500
B767-300F	PW4056	RWY 25 - Cargo	Hydrant Truck, Wide Body	C	20.00	360	0.7000
B767-300F	PW4056	RWY 25 - Cargo	Cargo Loader, Wide, Main Deck	E	100.00	133	0.5000
B767-300F	PW4056	RWY 25 - Cargo	Cargo Loader, Wide, Lower Lobe	E	80.00	0	0.5000
B767-300F	PW4056	RWY 25 - Cargo	Aircraft Tractor, Wide Body	E	8.00	0	0.8000
B777-200	PW4077	RWY 25	Aircraft Tractor, Wide Body	E	8.00	0	0.8000
B777-200	PW4077	RWY 25	Baggage Tractor, Wide Body	C	120.00	83	0.5500
B777-200	PW4077	RWY 25	Belt Loader, Wide Body	C	35.00	83	0.5000
B777-200	PW4077	RWY 25	Cabin Service Truck, Wide Body	G	35.00	260	0.5300
B777-200	PW4077	RWY 25	Cargo Loader, Wide, Main Deck	E	100.00	133	0.5000
B777-200	PW4077	RWY 25	Catering Truck, Wide Body	E	20.00	210	0.5300
B777-200	PW4077	RWY 25	Hydrant Truck, Wide Body	C	20.00	360	0.7000
B777-200	PW4077	RWY 25	Lavatory Truck, Wide Body	G	25.00	260	0.2500
B777-200	PW4077	RWY 25	Water Service	G	12.00	260	0.2000
B777-200	PW4077	RWY 24	Aircraft Tractor, Wide Body	E	8.00	0	0.8000
B777-200	PW4077	RWY 24	Baggage Tractor, Wide Body	C	120.00	83	0.5500
B777-200	PW4077	RWY 24	Belt Loader, Wide Body	C	35.00	83	0.5000
B777-200	PW4077	RWY 24	Cabin Service Truck, Wide Body	G	35.00	260	0.5300
B777-200	PW4077	RWY 24	Cargo Loader, Wide, Main Deck	E	100.00	133	0.5000
B777-200	PW4077	RWY 24	Catering Truck, Wide Body	E	20.00	210	0.5300
B777-200	PW4077	RWY 24	Hydrant Truck, Wide Body	C	20.00	360	0.7000
B777-200	PW4077	RWY 24	Lavatory Truck, Wide Body	G	25.00	260	0.2500
B777-200	PW4077	RWY 24	Water Service	G	12.00	260	0.2000
BH-1900	PT6A-67B	RWY 25	Aircraft Tractor, Commuter/Reg	E	5.00	0	0.8000
BH-1900	PT6A-67B	RWY 25	Fuel Truck, Small, < 3,000 gal	C	10.00	420	0.2500
BH-1900	PT6A-67B	RWY 24	Aircraft Tractor, Commuter/Reg	E	5.00	0	0.8000
BH-1900	PT6A-67B	RWY 24	Fuel Truck, Small, < 3,000 gal	C	10.00	420	0.2500
BH-1900C	PT6A-65B	RWY 25 - Cargo	Aircraft Tractor, Commuter/Reg	E	5.00	0	0.8000
BH-1900C	PT6A-65B	RWY 25 - Cargo	Fuel Truck, Small, < 3,000 gal	E	10.00	175	0.2500
Canadair Reg-700	CF34-8C1	RWY 24 - RJ70	Lavatory Truck, Narrow Body	E	15.00	0	0.2500

Table H1

**DMS 4.1 GSE Assignments for Unmitigated Alternative D 2013/2015
(mitigated runs assumed all electric GSE)**

Air Name	Eng Name	Inst Name	GSE Name	Fuel	OP Time	Horsepower	Loadfactor
Canadair Reg-700	CF34-8C1	RWY 24 - RJ70	Hydrant Truck, Narrow Body	C	12.00	360	0.7000
Canadair Reg-700	CF34-8C1	RWY 24 - RJ70	Catering Truck, Narrow Body	E	15.00	210	0.5300
Canadair Reg-700	CF34-8C1	RWY 24 - RJ70	Cabin Service Truck, Narrow	E	20.00	210	0.5300
Canadair Reg-700	CF34-8C1	RWY 24 - RJ70	Belt Loader, Narrow Body	C	48.00	83	0.5000
Canadair Reg-700	CF34-8C1	RWY 24 - RJ70	Baggage Tractor, Narrow Body	C	75.00	83	0.5500
Canadair Reg-700	CF34-8C1	RWY 24 - RJ70	Aircraft Tractor, Narrow Body	E	8.00	0	0.8000
CITATION V	JT15D-5 (A & B)	RWY 25 - Gen Av Jet	Aircraft Tractor, Commuter/Reg	E	5.00	0	0.8000
CITATION V	JT15D-5 (A & B)	RWY 25 - Gen Av Jet	Fuel Truck, Small, < 3,000 gal	G	10.00	420	0.2500
Dash 7	PT6A-50	RWY 25	Hydrant Truck, Narrow Body	C	12.00	360	0.7000
Dash 7	PT6A-50	RWY 24	Hydrant Truck, Narrow Body	C	12.00	360	0.7000
DC10-30F	CF6-50C2	RWY 25 - Cargo	Lavatory Truck, Wide Body	C	25.00	360	0.2500
DC10-30F	CF6-50C2	RWY 25 - Cargo	Hydrant Truck, Wide Body	C	20.00	360	0.7000
DC10-30F	CF6-50C2	RWY 25 - Cargo	Cargo Loader, Wide, Main Deck	E	100.00	133	0.5000
DC10-30F	CF6-50C2	RWY 25 - Cargo	Cargo Loader, Wide, Lower Lobe	E	80.00	0	0.5000
DC10-30F	CF6-50C2	RWY 25 - Cargo	Aircraft Tractor, Wide Body	E	8.00	0	0.8000
EMB-110KQ1	PT6A-27	RWY 25	Aircraft Tractor, Commuter/Reg	E	5.00	0	0.8000
EMB-110KQ1	PT6A-27	RWY 25	Baggage Tractor, Commuter	E	35.00	0	0.5500
EMB-110KQ1	PT6A-27	RWY 25	Belt Loader, Commuter	E	30.00	0	0.5000
EMB-110KQ1	PT6A-27	RWY 25	Cabin Service Truck, Comm/Reg	C	10.00	83	0.5300
EMB-110KQ1	PT6A-27	RWY 25	Catering Truck, Commuter/Reg	C	10.00	83	0.5300
EMB-110KQ1	PT6A-27	RWY 25	Hydrant Truck, Narrow Body	C	12.00	360	0.7000
EMB-110KQ1	PT6A-27	RWY 25	Lavatory Truck, Narrow Body	C	15.00	82	0.2500
EMB-110KQ1	PT6A-27	RWY 24	Aircraft Tractor, Commuter/Reg	E	5.00	0	0.8000
EMB-110KQ1	PT6A-27	RWY 24	Baggage Tractor, Commuter	E	35.00	0	0.5500
EMB-110KQ1	PT6A-27	RWY 24	Belt Loader, Commuter	E	30.00	0	0.5000
EMB-110KQ1	PT6A-27	RWY 24	Cabin Service Truck, Comm/Reg	C	10.00	83	0.5300
EMB-110KQ1	PT6A-27	RWY 24	Catering Truck, Commuter/Reg	C	10.00	83	0.5300
EMB-110KQ1	PT6A-27	RWY 24	Hydrant Truck, Narrow Body	C	12.00	360	0.7000
EMB-110KQ1	PT6A-27	RWY 24	Lavatory Truck, Narrow Body	C	15.00	82	0.2500
EMB-120	PW118	RWY 25	Aircraft Tractor, Commuter/Reg	E	5.00	0	0.8000
EMB-120	PW118	RWY 25	Baggage Tractor, Commuter	E	35.00	0	0.5500
EMB-120	PW118	RWY 25	Belt Loader, Commuter	E	30.00	0	0.5000
EMB-120	PW118	RWY 25	Cabin Service Truck, Comm/Reg	E	10.00	0	0.5300
EMB-120	PW118	RWY 25	Catering Truck, Commuter/Reg	E	10.00	0	0.5300
EMB-120	PW118	RWY 25	Hydrant Truck, Narrow Body	C	12.00	360	0.7000
EMB-120	PW118	RWY 25	Lavatory Truck, Narrow Body	G	15.00	97	0.2500
EMB-120	PW118	RWY 24	Aircraft Tractor, Commuter/Reg	E	5.00	0	0.8000
EMB-120	PW118	RWY 24	Baggage Tractor, Commuter	E	35.00	0	0.5500
EMB-120	PW118	RWY 24	Belt Loader, Commuter	E	30.00	0	0.5000
EMB-120	PW118	RWY 24	Cabin Service Truck, Comm/Reg	E	10.00	0	0.5300
EMB-120	PW118	RWY 24	Catering Truck, Commuter/Reg	E	10.00	0	0.5300
EMB-120	PW118	RWY 24	Hydrant Truck, Narrow Body	C	12.00	360	0.7000

Table H1

**DMS 4.1 GSE Assignments for Unmitigated Alternative D 2013/2015
(mitigated runs assumed all electric GSE)**

Air Name	Eng Name	Inst Name	GSE Name	Fuel	OP Time	Horsepower	Loadfactor
EMB-120	PW118	RWY 24	Lavatory Truck, Narrow Body	G	15.00	97	0.2500
Fokker 50	PW127-A	RWY 25	Hydrant Truck, Narrow Body	C	12.00	360	0.7000
Fokker 50	PW127-A	RWY 24	Hydrant Truck, Narrow Body	C	12.00	360	0.7000
MD-11	CF6-80C2D1F	RWY 25	Aircraft Tractor, Wide Body	E	8.00	0	0.8000
MD-11	CF6-80C2D1F	RWY 25	Baggage Tractor, Wide Body	E	120.00	0	0.5500
MD-11	CF6-80C2D1F	RWY 25	Belt Loader, Wide Body	E	35.00	0	0.5000
MD-11	CF6-80C2D1F	RWY 25	Cabin Service Truck, Wide Body	C	35.00	360	0.5300
MD-11	CF6-80C2D1F	RWY 25	Cargo Loader, Wide, Main Deck	E	100.00	133	0.5000
MD-11	CF6-80C2D1F	RWY 25	Catering Truck, Wide Body	C	20.00	360	0.5300
MD-11	CF6-80C2D1F	RWY 25	Hydrant Truck, Wide Body	C	20.00	360	0.7000
MD-11	CF6-80C2D1F	RWY 25	Lavatory Truck, Wide Body	E	25.00	235	0.2500
MD-11	CF6-80C2D1F	RWY 25	Water Service	G	12.00	260	0.2000
MD-11	CF6-80C2D1F	RWY 24	Aircraft Tractor, Wide Body	E	8.00	0	0.8000
MD-11	CF6-80C2D1F	RWY 24	Baggage Tractor, Wide Body	E	120.00	0	0.5500
MD-11	CF6-80C2D1F	RWY 24	Belt Loader, Wide Body	E	35.00	0	0.5000
MD-11	CF6-80C2D1F	RWY 24	Cabin Service Truck, Wide Body	C	35.00	360	0.5300
MD-11	CF6-80C2D1F	RWY 24	Cargo Loader, Wide, Main Deck	E	100.00	133	0.5000
MD-11	CF6-80C2D1F	RWY 24	Catering Truck, Wide Body	C	20.00	360	0.5300
MD-11	CF6-80C2D1F	RWY 24	Hydrant Truck, Wide Body	C	20.00	360	0.7000
MD-11	CF6-80C2D1F	RWY 24	Lavatory Truck, Wide Body	E	25.00	235	0.2500
MD-11	CF6-80C2D1F	RWY 24	Water Service	G	12.00	260	0.2000
MD-11-11F	CF6-80C2D1F	RWY 25 - Cargo	Aircraft Tractor, Wide Body	E	8.00	0	0.8000
MD-11-11F	CF6-80C2D1F	RWY 25 - Cargo	Cargo Loader, Wide, Lower Lobe	E	80.00	0	0.5000
MD-11-11F	CF6-80C2D1F	RWY 25 - Cargo	Cargo Loader, Wide, Main Deck	E	100.00	133	0.5000
MD-11-11F	CF6-80C2D1F	RWY 25 - Cargo	Hydrant Truck, Wide Body	C	20.00	360	0.7000
MD-11-11F	CF6-80C2D1F	RWY 25 - Cargo	Lavatory Truck, Wide Body	E	25.00	235	0.2500
MD-80	JT8D-219	RWY 25	Aircraft Tractor, Narrow Body	E	8.00	0	0.8000
MD-80	JT8D-219	RWY 25	Baggage Tractor, Narrow Body	E	75.00	0	0.5500
MD-80	JT8D-219	RWY 25	Belt Loader, Narrow Body	E	48.00	0	0.5000
MD-80	JT8D-219	RWY 25	Cabin Service Truck, Narrow	C	20.00	360	0.5300
MD-80	JT8D-219	RWY 25	Catering Truck, Narrow Body	C	15.00	360	0.5300
MD-80	JT8D-219	RWY 25	Hydrant Truck, Narrow Body	C	12.00	360	0.7000
MD-80	JT8D-219	RWY 25	Lavatory Truck, Narrow Body	C	15.00	82	0.2500
MD-80	JT8D-219	RWY 24	Aircraft Tractor, Narrow Body	E	8.00	0	0.8000
MD-80	JT8D-219	RWY 24	Baggage Tractor, Narrow Body	E	75.00	0	0.5500
MD-80	JT8D-219	RWY 24	Belt Loader, Narrow Body	E	48.00	0	0.5000
MD-80	JT8D-219	RWY 24	Cabin Service Truck, Narrow	C	20.00	360	0.5300
MD-80	JT8D-219	RWY 24	Catering Truck, Narrow Body	C	15.00	360	0.5300
MD-80	JT8D-219	RWY 24	Hydrant Truck, Narrow Body	C	12.00	360	0.7000
MD-80	JT8D-219	RWY 24	Lavatory Truck, Narrow Body	C	15.00	82	0.2500
MD-80-87	JT8D-219	RWY 24	Aircraft Tractor, Narrow Body	E	8.00	0	0.8000
MD-80-87	JT8D-219	RWY 24	Baggage Tractor, Narrow Body	E	75.00	0	0.5500

Table H1

**DMS 4.1 GSE Assignments for Unmitigated Alternative D 2013/2015
(mitigated runs assumed all electric GSE)**

Air Name	Eng Name	Inst Name	GSE Name	Fuel	OP Time	Horsepower	Loadfactor
MD-80-87	JT8D-219	RWY 24	Belt Loader, Narrow Body	E	48.00	0	0.5000
MD-80-87	JT8D-219	RWY 24	Cabin Service Truck, Narrow	E	20.00	210	0.5300
MD-80-87	JT8D-219	RWY 24	Catering Truck, Narrow Body	C	15.00	360	0.5300
MD-80-87	JT8D-219	RWY 24	Hydrant Truck, Narrow Body	C	12.00	360	0.7000
MD-80-87	JT8D-219	RWY 24	Lavatory Truck, Wide Body	C	25.00	360	0.2500
MD-90-10	V2525-D5	RWY 25	Aircraft Tractor, Narrow Body	E	8.00	0	0.8000
MD-90-10	V2525-D5	RWY 25	Baggage Tractor, Narrow Body	E	75.00	0	0.5500
MD-90-10	V2525-D5	RWY 25	Belt Loader, Narrow Body	E	48.00	0	0.5000
MD-90-10	V2525-D5	RWY 25	Cabin Service Truck, Narrow	E	20.00	210	0.5300
MD-90-10	V2525-D5	RWY 25	Catering Truck, Narrow Body	E	15.00	210	0.5300
MD-90-10	V2525-D5	RWY 25	Hydrant Truck, Narrow Body	C	12.00	360	0.7000
MD-90-10	V2525-D5	RWY 25	Lavatory Truck, Narrow Body	C	15.00	82	0.2500
MD-90-10	V2525-D5	RWY 24	Aircraft Tractor, Narrow Body	E	8.00	0	0.8000
MD-90-10	V2525-D5	RWY 24	Baggage Tractor, Narrow Body	E	75.00	0	0.5500
MD-90-10	V2525-D5	RWY 24	Belt Loader, Narrow Body	E	48.00	0	0.5000
MD-90-10	V2525-D5	RWY 24	Cabin Service Truck, Narrow	E	20.00	210	0.5300
MD-90-10	V2525-D5	RWY 24	Catering Truck, Narrow Body	E	15.00	210	0.5300
MD-90-10	V2525-D5	RWY 24	Hydrant Truck, Narrow Body	C	12.00	360	0.7000
MD-90-10	V2525-D5	RWY 24	Lavatory Truck, Narrow Body	C	15.00	82	0.2500
MD-95	BR700-715C1-30	RWY 25	Aircraft Tractor, Narrow Body	E	8.00	0	0.8000
MD-95	BR700-715C1-30	RWY 25	Baggage Tractor, Narrow Body	E	75.00	0	0.5500
MD-95	BR700-715C1-30	RWY 25	Belt Loader, Narrow Body	E	48.00	0	0.5000
MD-95	BR700-715C1-30	RWY 25	Cabin Service Truck, Narrow	E	20.00	210	0.5300
MD-95	BR700-715C1-30	RWY 25	Catering Truck, Narrow Body	E	15.00	210	0.5300
MD-95	BR700-715C1-30	RWY 25	Hydrant Truck, Narrow Body	C	12.00	360	0.7000
MD-95	BR700-715C1-30	RWY 25	Lavatory Truck, Narrow Body	C	15.00	82	0.2500
MD-95	BR700-715C1-30	RWY 24	Aircraft Tractor, Narrow Body	E	8.00	0	0.8000
MD-95	BR700-715C1-30	RWY 24	Baggage Tractor, Narrow Body	E	75.00	0	0.5500
MD-95	BR700-715C1-30	RWY 24	Belt Loader, Narrow Body	E	48.00	0	0.5000
MD-95	BR700-715C1-30	RWY 24	Cabin Service Truck, Narrow	E	20.00	210	0.5300
MD-95	BR700-715C1-30	RWY 24	Catering Truck, Narrow Body	E	15.00	210	0.5300
MD-95	BR700-715C1-30	RWY 24	Hydrant Truck, Narrow Body	C	12.00	360	0.7000
MD-95	BR700-715C1-30	RWY 24	Lavatory Truck, Narrow Body	C	15.00	82	0.2500
SF-340-A	CT7-5	RWY 25	Aircraft Tractor, Commuter/Reg	E	5.00	0	0.8000
SF-340-A	CT7-5	RWY 25	Baggage Tractor, Commuter	E	35.00	0	0.5500
SF-340-A	CT7-5	RWY 25	Belt Loader, Commuter	E	30.00	0	0.5000
SF-340-A	CT7-5	RWY 25	Cabin Service Truck, Comm/Reg	E	10.00	0	0.5300
SF-340-A	CT7-5	RWY 25	Catering Truck, Commuter/Reg	E	10.00	0	0.5300
SF-340-A	CT7-5	RWY 25	Hydrant Truck, Narrow Body	C	12.00	360	0.7000
SF-340-A	CT7-5	RWY 25	Lavatory Truck, Narrow Body	E	15.00	0	0.2500
SF-340-A	CT7-5	RWY 24	Aircraft Tractor, Commuter/Reg	E	5.00	0	0.8000
SF-340-A	CT7-5	RWY 24	Baggage Tractor, Commuter	E	35.00	0	0.5500

Table H1

DMS 4.1 GSE Assignments for Unmitigated Alternative D 2013/2015
(mitigated runs assumed all electric GSE)

Air Name	Eng Name	Inst Name	GSE Name	Fuel	OP Time	Horsepower	Loadfactor
SF-340-A	CT7-5	RWY 24	Belt Loader, Commuter	E	30.00	0	0.5000
SF-340-A	CT7-5	RWY 24	Cabin Service Truck, Comm/Reg	E	10.00	0	0.5300
SF-340-A	CT7-5	RWY 24	Catering Truck, Commuter/Reg	E	10.00	0	0.5300
SF-340-A	CT7-5	RWY 24	Hydrant Truck, Narrow Body	C	12.00	360	0.7000
SF-340-A	CT7-5	RWY 24	Lavatory Truck, Narrow Body	E	15.00	0	0.2500
Shorts 360	PT6A-65AR	RWY 25	Catering Truck, Commuter/Reg	E	10.00	0	0.5300
Shorts 360	PT6A-65AR	RWY 25	Hydrant Truck, Narrow Body	C	12.00	360	0.7000
Shorts 360	PT6A-65AR	RWY 25	Lavatory Truck, Narrow Body	E	15.00	0	0.2500
Shorts 360	PT6A-65AR	RWY 24	Catering Truck, Commuter/Reg	E	10.00	0	0.5300
Shorts 360	PT6A-65AR	RWY 24	Hydrant Truck, Narrow Body	C	12.00	360	0.7000
Shorts 360	PT6A-65AR	RWY 24	Lavatory Truck, Narrow Body	E	15.00	0	0.2500
Swearingen Metro 2	TPE331-3	RWY 25	Aircraft Tractor, Commuter/Reg	E	5.00	0	0.8000
Swearingen Metro 2	TPE331-3	RWY 25	Baggage Tractor, Commuter	E	35.00	0	0.5500
Swearingen Metro 2	TPE331-3	RWY 25	Belt Loader, Commuter	E	30.00	0	0.5000
Swearingen Metro 2	TPE331-3	RWY 25	Cabin Service Truck, Comm/Reg	E	10.00	0	0.5300
Swearingen Metro 2	TPE331-3	RWY 25	Catering Truck, Commuter/Reg	E	10.00	0	0.5300
Swearingen Metro 2	TPE331-3	RWY 25	Hydrant Truck, Narrow Body	C	12.00	360	0.7000
Swearingen Metro 2	TPE331-3	RWY 25	Lavatory Truck, Narrow Body	E	15.00	0	0.2500
Swearingen Metro 2	TPE331-3	RWY 24	Aircraft Tractor, Commuter/Reg	E	5.00	0	0.8000
Swearingen Metro 2	TPE331-3	RWY 24	Baggage Tractor, Commuter	E	35.00	0	0.5500
Swearingen Metro 2	TPE331-3	RWY 24	Belt Loader, Commuter	E	30.00	0	0.5000
Swearingen Metro 2	TPE331-3	RWY 24	Cabin Service Truck, Comm/Reg	E	10.00	0	0.5300
Swearingen Metro 2	TPE331-3	RWY 24	Catering Truck, Commuter/Reg	E	10.00	0	0.5300
Swearingen Metro 2	TPE331-3	RWY 24	Hydrant Truck, Narrow Body	C	12.00	360	0.7000
Swearingen Metro 2	TPE331-3	RWY 24	Lavatory Truck, Narrow Body	E	15.00	0	0.2500
A319	CFM56-5B6/P	RWY 25	APU GTCP 36-300 (80HP)		7.00		
B737-200C	JT8D-17	RWY 24 - Cargo	APU GTCP 85 (200 HP)		7.00	0	0.0000
B737-200C	JT8D-17	RWY 24 - Cargo	Lavatory Truck, Narrow Body	G	15.00	97	0.2500
B737-200C	JT8D-17	RWY 24 - Cargo	Hydrant Truck, Narrow Body	C	12.00	360	0.7000
B737-200C	JT8D-17	RWY 24 - Cargo	Cargo Loader, Narrow Body	E	40.00	0	0.5000
B737-200C	JT8D-17	RWY 24 - Cargo	Aircraft Tractor, Narrow Body	E	8.00	0	0.8000
B737-400	CFM56-3B-2	RWY 24	APU GTCP 85 (200 HP)		7.00	0	0.0000
B737-400	CFM56-3B-2	RWY 24	Lavatory Truck, Narrow Body	E	15.00	0	0.2500
B737-400	CFM56-3B-2	RWY 24	Hydrant Truck, Narrow Body	E	12.00	235	0.7000
B737-400	CFM56-3B-2	RWY 24	Catering Truck, Narrow Body	G	15.00	260	0.5300
B737-400	CFM56-3B-2	RWY 24	Cabin Service Truck, Narrow	C	20.00	360	0.5300
B737-400	CFM56-3B-2	RWY 24	Belt Loader, Narrow Body	C	48.00	83	0.5000
B737-400	CFM56-3B-2	RWY 24	Baggage Tractor, Narrow Body	C	75.00	83	0.5500
B737-400	CFM56-3B-2	RWY 24	Aircraft Tractor, Narrow Body	E	8.00	0	0.8000
B747-200F	JT9D-7F	RWY 24 - Cargo	APU GTCP 660 (300 HP)		7.00	0	0.0000
B747-200F	JT9D-7F	RWY 24 - Cargo	Lavatory Truck, Wide Body	G	25.00	260	0.2500
B747-200F	JT9D-7F	RWY 24 - Cargo	Hydrant Truck, Wide Body	C	20.00	360	0.7000

Table H1

**DMS 4.1 GSE Assignments for Unmitigated Alternative D 2013/2015
(mitigated runs assumed all electric GSE)**

Air Name	Eng Name	Inst Name	GSE Name	Fuel	OP Time	Horsepower	Loadfactor
B747-200F	JT9D-7F	RWY 24 - Cargo	Cargo Loader, Wide, Main Deck	E	100.00	133	0.5000
B747-200F	JT9D-7F	RWY 24 - Cargo	Cargo Loader, Wide, Lower Lobe	E	80.00	0	0.5000
B747-200F	JT9D-7F	RWY 24 - Cargo	Aircraft Tractor, Wide Body	E	8.00	0	0.8000
B747-400F	CF6-80C2B1F	RWY 24 - Cargo	APU PW901A		7.00	0	0.0000
B747-400F	CF6-80C2B1F	RWY 24 - Cargo	Lavatory Truck, Wide Body	G	25.00	260	0.2500
B747-400F	CF6-80C2B1F	RWY 24 - Cargo	Hydrant Truck, Wide Body	C	20.00	360	0.7000
B747-400F	CF6-80C2B1F	RWY 24 - Cargo	Cargo Loader, Wide, Main Deck	E	100.00	133	0.5000
B747-400F	CF6-80C2B1F	RWY 24 - Cargo	Cargo Loader, Wide, Lower Lobe	E	80.00	0	0.5000
B747-400F	CF6-80C2B1F	RWY 24 - Cargo	Aircraft Tractor, Wide Body	E	8.00	0	0.8000
Cessna 208 Caravan	PT6A-114	RWY 24 - Gen Av Prop Cargo	APU -NONE-		0.00	0	0.0000
MD-11-11F	CF6-80C2D1F	RWY 24 - Cargo	APU TSCP700-4B (142 HP)		7.00	0	0.0000
MD-11-11F	CF6-80C2D1F	RWY 24 - Cargo	Aircraft Tractor, Wide Body	E	8.00	0	0.8000
MD-11-11F	CF6-80C2D1F	RWY 24 - Cargo	Cargo Loader, Wide, Lower Lobe	E	80.00	0	0.5000
MD-11-11F	CF6-80C2D1F	RWY 24 - Cargo	Cargo Loader, Wide, Main Deck	E	100.00	133	0.5000
MD-11-11F	CF6-80C2D1F	RWY 24 - Cargo	Hydrant Truck, Wide Body	C	20.00	360	0.7000
MD-11-11F	CF6-80C2D1F	RWY 24 - Cargo	Lavatory Truck, Wide Body	E	25.00	235	0.2500
A319	CFM56-5B6/P	RWY 25	Catering Truck, Narrow Body	E	15.00	210	0.5300
A319	CFM56-5B6/P	RWY 25	Cabin Service Truck, Narrow	E	20.00	210	0.5300
A319	CFM56-5B6/P	RWY 25	Belt Loader, Narrow Body	E	48.00	0	0.5000
A319	CFM56-5B6/P	RWY 25	Baggage Tractor, Narrow Body	E	75.00	0	0.5500
A319	CFM56-5B6/P	RWY 25	Aircraft Tractor, Narrow Body	E	8.00	0	0.8000
A319	CFM56-5B6/P	RWY 25	Hydrant Truck, Narrow Body	C	12.00	360	0.7000
A319	CFM56-5B6/P	RWY 25	Lavatory Truck, Narrow Body	C	15.00	82	0.2500

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Attachment I
EMFAC 2002 Emission Factors

Pollutant Name: Carbon Dioxide				Temperature: 75F				Relative Humidity: 70%																																
Speed MPH	Light Duty Autos			Light Duty Truck 1			Light Duty Truck 2			Medium Duty Truck			Light-Heavy Duty Truck 1			Light-Heavy Duty Truck 2			Medium-Heavy Duty Truck			Heavy-Heavy Duty Truck			Line-Haul Vehicles			Urban Buses			Motorcycles			School Buses			Motor Homes			Total All
	NCAAT	CAT	DSL	NCAAT	CAT	DSL	NCAAT	CAT	DSL	NCAAT	CAT	DSL	NCAAT	CAT	DSL	NCAAT	CAT	DSL	NCAAT	CAT	DSL	NCAAT	CAT	DSL	NCAAT	CAT	DSL	NCAAT	CAT	DSL	NCAAT	CAT	DSL	NCAAT	CAT	DSL				
5	1355.689	1071.062	368.124	1339.286	1279.474	349.516	1340.742	1292.776	348.328	1526.137	1790.569	346.909	2513.512	2513.512	523.529	2513.512	2513.512	539.455	2513.511	2513.511	1505.000	1672.268	1672.268	2167.498	0.000	0.000	0.000	2513.512	2513.512	2812.716	220.030	236.241	0.000	2513.512	2513.512	1505.000	2513.511	2513.512	1505.000	1239.00
10	1019.114	802.244	368.124	1009.188	959.167	349.516	1010.267	968.492	348.328	1149.755	1341.705	346.909	1672.268	1672.268	523.529	1672.268	1672.268	539.455	1672.268	1672.268	1505.000	1672.268	1672.268	2167.498	0.000	0.000	0.000	1672.268	1672.268	2812.716	188.244	200.269	0.000	1672.268	1672.268	1505.000	1672.268	1672.268	1505.000	945.40
15	799.261	626.431	368.124	791.487	749.287	349.516	792.333	756.316	348.328	901.730	1047.884	346.909	1175.485	1175.485	523.529	1175.485	1175.485	539.455	1175.485	1175.485	1505.000	1175.485	1175.485	2167.498	0.000	0.000	0.000	1175.485	1175.485	2812.716	163.557	173.310	0.000	1175.485	1175.485	1505.000	1175.485	1175.485	1505.000	754.52
20	651.481	509.155	368.124	644.751	609.102	349.516	645.443	614.743	348.328	734.953	851.769	346.909	873.001	873.001	523.529	873.001	873.001	539.455	873.000	873.001	1505.000	873.001	873.000	2167.498	0.000	0.000	0.000	873.001	873.001	2812.716	144.321	153.071	0.000	873.001	873.001	1505.000	873.000	873.000	1505.000	627.80
25	551.346	430.393	368.124	545.277	514.855	349.516	545.866	519.642	348.328	621.302	719.994	346.909	685.012	685.012	523.529	685.012	685.012	539.455	685.012	685.012	1505.000	685.012	685.012	2167.498	0.000	0.000	0.000	685.012	685.012	2812.716	129.330	137.989	0.000	685.012	685.012	1505.000	685.012	685.012	1505.000	543.01
30	484.521	378.161	368.124	478.669	452.287	349.516	479.190	456.560	348.328	545.450	632.562	346.909	567.895	567.895	523.529	567.895	567.895	539.455	567.895	567.895	1505.000	567.895	567.895	2167.498	0.000	0.000	0.000	567.895	567.895	2812.716	117.700	127.001	0.000	567.895	567.895	1505.000	567.895	567.895	1505.000	486.94
35	441.831	345.205	368.124	436.108	412.753	349.516	436.585	416.744	348.328	496.988	577.361	346.909	497.421	497.421	523.529	497.421	497.421	539.455	497.421	497.421	1505.000	497.421	497.421	2167.498	0.000	0.000	0.000	497.421	497.421	2812.716	108.784	119.408	0.000	497.421	497.421	1505.000	497.421	497.421	1505.000	451.61
40	418.072	327.212	368.124	412.337	391.113	349.516	412.791	394.994	348.328	469.929	547.191	346.909	460.327	460.327	523.529	460.327	460.327	539.455	460.327	460.327	1505.000	460.327	460.327	2167.498	0.000	0.000	0.000	460.327	460.327	2812.716	102.109	114.789	0.000	460.327	460.327	1505.000	460.327	460.327	1505.000	432.34
45	410.422	321.840	368.124	404.551	384.578	349.516	404.988	388.483	348.328	461.079	538.141	346.909	450.085	450.085	523.529	450.085	450.085	539.455	450.085	450.085	1505.000	450.085	450.085	2167.498	0.000	0.000	0.000	450.085	450.085	2812.716	97.336	112.966	0.000	450.085	450.085	1505.000	450.085	450.085	1505.000	426.58
50	417.959	328.206	368.124	411.836	392.112	349.516	412.292	396.149	348.328	469.395	548.749	346.909	464.953	464.953	523.529	464.953	464.953	539.455	464.953	464.953	1505.000	464.953	464.953	2167.498	0.000	0.000	0.000	464.953	464.953	2812.716	94.230	113.991	0.000	464.953	464.953	1505.000	464.953	464.953	1505.000	433.39
55	441.480	346.705	368.124	434.988	414.215	349.516	435.470	418.476	348.328	495.786	579.694	346.909	507.469	507.469	523.529	507.469	507.469	539.455	507.469	507.469	1505.000	507.469	507.469	2167.498	0.000	0.000	0.000	507.469	507.469	2812.716	92.644	118.189	0.000	507.469	507.469	1505.000	507.469	507.469	1505.000	453.25
60	483.645	379.097	368.124	476.666	453.035	349.516	477.193	457.598	348.328	543.276	633.948	346.909	585.190	585.190	523.529	585.190	585.190	539.455	585.190	585.190	1505.000	585.190	585.190	2167.498	0.000	0.000	0.000	585.190	585.190	2812.716	92.503	126.235	0.000	585.190	585.190	1505.000	585.190	585.190	1505.000	488.14
65	549.499	428.908	368.124	541.909	512.846	349.516	542.506	517.784	348.328	617.264	717.446	346.909	712.968	712.968	523.529	712.968	712.968	539.455	712.968	712.968	1505.000	712.968	712.968	2167.498	0.000	0.000	0.000	712.968	712.968	2812.716	93.800	139.316	0.000	712.968	712.968	1505.000	712.968	712.968	1505.000	542.02

Pollutant Name: Sulfur Dioxide				Temperature: 75F				Relative Humidity: 70%																																
Speed MPH	Light Duty Autos			Light Duty Truck 1			Light Duty Truck 2			Medium Duty Truck			Light-Heavy Duty Truck 1			Light-Heavy Duty Truck 2			Medium-Heavy Duty Truck			Heavy-Heavy Duty Truck			Line-Haul Vehicles			Urban Buses			Motorcycles			School Buses			Motor Homes			Total All
	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL				
5	0.016	0.010	0.031	0.016	0.013	0.029	0.016	0.013	0.029	0.019	0.017	0.029	0.030	0.024	0.043	0.030	0.024	0.045	0.033	0.025	0.125	0.055	0.028	0.180	0.000	0.000	0.000	0.034	0.026	0.233	0.003	0.003	0.000	0.033	0.026	0.125	0.033	0.026	0.125	0.02
10	0.012	0.008	0.031	0.012	0.009	0.029	0.012	0.009	0.029	0.014	0.013	0.029	0.020	0.016	0.043	0.020	0.016	0.045	0.022	0.017	0.125	0.036	0.019	0.180	0.000	0.000	0.000	0.023	0.017	0.233	0.003	0.002	0.000	0.022	0.017	0.125	0.022	0.017	0.125	0.02
15	0.009	0.006	0.031	0.009	0.007	0.029	0.009	0.007	0.029	0.011	0.010	0.029	0.014	0.011	0.043	0.014	0.011	0.045	0.015	0.012	0.125	0.026	0.013	0.180	0.000	0.000	0.000	0.016	0.012	0.233	0.002	0.002	0.000	0.015	0.012	0.125	0.015	0.012	0.125	0.01
20	0.008	0.005	0.031	0.008	0.006	0.029	0.008	0.006	0.029	0.009	0.008	0.029	0.010	0.008	0.043	0.010	0.008	0.045	0.011	0.009	0.125	0.026	0.010	0.180	0.000	0.000	0.000	0.012	0.009	0.233	0.002	0.002	0.000	0.011	0.009	0.125	0.011	0.009	0.125	0.01
25	0.006	0.004	0.031	0.006	0.005	0.029	0.006	0.005	0.029	0.007	0.007	0.029	0.008	0.007	0.043	0.008	0.007	0.045	0.009	0.007	0.125	0.015	0.008	0.180	0.000	0.000	0.000	0.009	0.007	0.233	0.002	0.002	0.000	0.009	0.007	0.125	0.009	0.007	0.125	0.01
30	0.006	0.004	0.031	0.006	0.004	0.029	0.006	0.004	0.029	0.007	0.006	0.029	0.007	0.005	0.043	0.007	0.006	0.045	0.007	0.006	0.125	0.012	0.006	0.180	0.000	0.000	0.000	0.008	0.006	0.233	0.002	0.002	0.000	0.007	0.006	0.125	0.007	0.006	0.125	0.01
35	0.005	0.003	0.031	0.005	0.004	0.029	0.005	0.004	0.029	0.006	0.006	0.029	0.006	0.005	0.043	0.006	0.005	0.045	0.006	0.005	0.125	0.011	0.006	0.180	0.000	0.000	0.000	0.007	0.005	0.233	0.002	0.001	0.000	0.006	0.005	0.125	0.006	0.005	0.125	0.01
40	0.005	0.003	0.031	0.005	0.004	0.029	0.005	0.004	0.029	0.006	0.005	0.029	0.005	0.004	0.043	0.005	0.004	0.045	0.006	0.005	0.125	0.010	0.005	0.180	0.000	0.000	0.000	0.006	0.005	0.233	0.002	0.001	0.000	0.006	0.005	0.125	0.006	0.005	0.125	0.01
45	0.005	0.003	0.031	0.005	0.004	0.029	0.005	0.004	0.029	0.006	0.005	0.029	0.005	0.004	0.043	0.005	0.004	0.045	0.006	0.004	0.125	0.009	0.005	0.180	0.000	0.000	0.000	0.006	0.005	0.233	0.002	0.002	0.000	0.006	0.005	0.125	0.006	0.005	0.125	0.01
50	0.005	0.003	0.031	0.005	0.004	0.029	0.005	0.004	0.029	0.006	0.005	0.029	0.005	0.004	0.043	0.005	0.005	0.045	0.006	0.005	0.125	0.010	0.005	0.180	0.000	0.000	0.000	0.006	0.005	0.233	0.002	0.002	0.000	0.006	0.005	0.125	0.006	0.005	0.125	0.01
55	0.005	0.003	0.031	0.005	0.004	0.029	0.005	0.004	0.029	0.006	0.006	0.029	0.006	0.005	0.043	0.006	0.005	0.045	0.006	0.005	0.125	0.011	0.006	0.180	0.000	0.000	0.000	0.007	0.005	0.233	0.002	0.002	0.000	0.007	0.005	0.125	0.006	0.005	0.125	0.01
60	0.006	0.004	0.031	0.006	0.004	0.029	0.006	0.004	0.029	0.007	0.006	0.029	0.007	0.006	0.043	0.007	0.006	0.045	0.007	0.006	0.125	0.012	0.006	0.180	0.000	0.000	0.000	0.008	0.006	0.233	0.002	0.002	0.000	0.007	0.006	0.125	0.007	0.006	0.125	0.01
65	0.007	0.004	0.031	0.007	0.005	0.029	0.007	0.005	0.029	0.008	0.007	0.029	0.008	0.007	0.043	0.008	0.007	0.045	0.009	0.007	0.125	0.015	0.008	0.180	0.000	0.000	0.000	0.009	0.007	0.233	0.003	0.003	0.000	0.009	0.007	0.125	0.009	0.007	0.125	0.01

Speed MPH				Light Duty Autos			Light Duty Truck 1			Light Duty Truck 2			Medium Duty Truck			Light-Heavy Duty Truck 1			Light-Heavy Duty Truck 2			Medium-Heavy Duty Truck			Heavy-Heavy Duty Truck			Line-Haul Vehicles			Urban Buses			Motorcycles			School Buses			Motor Homes			Total All
NCAT	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL				
5	0.104	0.053	0.492	0.101	0.057	0.231	0.105	0.097	0.172	0.106	0.103	0.145	0.101	0.032	0.151	0.101	0.042	0.197	0.101	0.048	0.898	0.101	0.105	1.005	0.000	0.000	0.000	0.101	0.075	1.138	0.080	0.005	0.000	0.101	0.050	1.099	0.101	0.019	0.746	0.10			
10	0.074	0.035	0.386	0.072	0.038	0.181	0.075	0.064	0.135	0.075	0.069	0.114	0.066	0.021	0.118	0.066	0.028	0.155	0.066	0.031	0.705	0.066	0.069	0.789	0.000	0.000	0.000	0.066	0.049	0.826	0.063	0.004	0.000	0.066	0.033	0.863	0.066	0.012	0.585	0.07			
15	0.055	0.025	0.310	0.054	0.027	0.146	0.056	0.045	0.109	0.056	0.049	0.091	0.045	0.015	0.095	0.045	0.019	0.124	0.045	0.021	0.566	0.045	0.047	0.633	0.000	0.000	0.000	0.045	0.034	0.620	0.052	0.003	0.000	0.045	0.022	0.692	0.045	0.009	0.470	0.06			
20	0.043	0.018	0.254	0.042	0.020	0.119	0.044	0.033	0.089	0.044	0.036	0.075	0.032	0.010	0.078	0.032	0.013	0.102	0.032	0.015	0.464	0.032	0.034	0.520	0.000	0.000	0.000	0.032	0.024	0.483	0.045	0.003	0.000	0.032	0.016	0.568	0.032	0.006	0.385	0.04			
25	0.035	0.014	0.213	0.034	0.016	0.100	0.036	0.026	0.075	0.036	0.028	0.063	0.024	0.008	0.065	0.024	0.010	0.085	0.024	0.011	0.389	0.024	0.025	0.436	0.000	0.000	0.000	0.024	0.018	0.389	0.041	0.002	0.000	0.024	0.012	0.476	0.024	0.005	0.323	0.03			
30	0.030	0.011	0.183	0.029	0.013	0.086	0.030	0.021	0.064	0.030	0.023	0.054	0.019	0.006	0.056	0.019	0.008	0.073	0.019	0.009	0.334	0.019	0.019	0.374	0.000	0.000	0.000	0.019	0.014	0.324	0.039	0.002	0.000	0.019	0.009	0.408	0.019	0.003	0.277	0.03			
35	0.027	0.009	0.160	0.026	0.011	0.075	0.027	0.018	0.056	0.027	0.019	0.047	0.015	0.005	0.049	0.015	0.006	0.064	0.015	0.007	0.292	0.015	0.016	0.327	0.000	0.000	0.000	0.015	0.011	0.280	0.038	0.002	0.000	0.015	0.007	0.358	0.015	0.003	0.243	0.02			
40	0.025	0.008	0.143	0.024	0.010	0.067	0.025	0.016	0.050	0.025	0.017	0.042	0.013	0.004	0.044	0.013	0.005	0.057	0.013	0.006	0.262	0.013	0.013	0.293	0.000	0.000	0.000	0.013	0.009	0.251	0.040	0.002	0.000	0.013	0.006	0.320	0.013	0.002	0.218	0.02			
45	0.024	0.008	0.131	0.024	0.009	0.062	0.025	0.015	0.046	0.025	0.016	0.039	0.011	0.004	0.040	0.011	0.005	0.053	0.011	0.005	0.240	0.011	0.011	0.269	0.000	0.000	0.000	0.011	0.008	0.233	0.043	0.002	0.000	0.011	0.005	0.293	0.011	0.002	0.199	0.02			
50	0.025	0.008	0.123	0.025	0.009	0.058	0.025	0.014	0.043	0.026	0.016	0.036	0.010	0.003	0.038	0.010	0.004	0.049	0.010	0.005	0.224	0.010	0.010	0.251	0.000	0.000	0.000	0.010	0.007	0.223	0.049	0.003	0.000	0.010	0.005	0.275	0.010	0.002	0.186	0.02			
55	0.027	0.008	0.118	0.026	0.009	0.055	0.027	0.015	0.041	0.027	0.016	0.035	0.010	0.003	0.036	0.010	0.004	0.047	0.010	0.004	0.215	0.010	0.010	0.241	0.000	0.000	0.000	0.010	0.007	0.222	0.058	0.003	0.000	0.010	0.005	0.263	0.010	0.002	0.178	0.02			
60	0.030	0.009	0.115	0.029	0.010	0.054	0.031	0.016	0.040	0.031	0.017	0.034	0.009	0.003	0.035	0.009	0.004	0.046	0.009	0.004	0.210	0.009	0.010	0.235	0.000	0.000	0.000	0.009	0.007	0.228	0.073	0.004	0.000	0.009	0.005	0.257	0.009	0.002	0.175	0.02			
65	0.035	0.010	0.115	0.035	0.011	0.054	0.036	0.018	0.040	0.036	0.020	0.034	0.010	0.003	0.035	0.010	0.004	0.046	0.010	0.005	0.210	0.010	0.010	0.235	0.000	0.000	0.000	0.010	0.007	0.244	0.095	0.005	0.000	0.010	0.005	0.257	0.010	0.002	0.175	0.02			

[illegible][illegible]

Pollutant Name: Gasoline - mi/gal				Temperature: 75F			Relative Humidity: 70%																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
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Pollutant Name: Diesel - mi/gal				Temperature: 75F				Relative Humidity: 70%																																			
Speed MPH	Light Duty Autos			Light Duty Truck 1			Light Duty Truck 2			Medium Duty Truck			Light-Heavy Duty Truck 1			Light-Heavy Duty Truck 2			Medium-Heavy Duty Truck			Heavy-Heavy Duty Truck			Line-Haul Vehicles			Urban Buses			Motorcycles			School Buses			Motor Homes			Total All			
	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL							
5	0.000	0.000	27.381	0.000	0.000	28.839	0.000	0.000	28.938	0.000	0.000	29.056	0.000	0.000	19.254	0.000	0.000	18.685	0.000	0.000	6.698	0.000	0.000	4.650	0.000	0.000	0.000	0.000	0.000	3.584	0.000	0.000	0.000	0.000	0.000	6.698	0.000	0.000	6.698	0.49			
10	0.000	0.000	27.381	0.000	0.000	28.839	0.000	0.000	28.938	0.000	0.000	29.056	0.000	0.000	19.254	0.000	0.000	18.685	0.000	0.000	6.698	0.000	0.000	4.650	0.000	0.000	0.000	0.000	0.000	3.584	0.000	0.000	0.000	0.000	0.000	6.698	0.000	0.000	6.698	0.49			
15	0.000	0.000	27.381	0.000	0.000	28.839	0.000	0.000	28.938	0.000	0.000	29.056	0.000	0.000	19.254	0.000	0.000	18.685	0.000	0.000	6.698	0.000	0.000	4.650	0.000	0.000	0.000	0.000	0.000	3.584	0.000	0.000	0.000	0.000	0.000	6.698	0.000	0.000	6.698	0.49			
20	0.000	0.000	27.381	0.000	0.000	28.839	0.000	0.000	28.938	0.000	0.000	29.056	0.000	0.000	19.254	0.000	0.000	18.685	0.000	0.000	6.698	0.000	0.000	4.650	0.000	0.000	0.000	0.000	0.000	3.584	0.000	0.000	0.000	0.000	0.000	6.698	0.000	0.000	6.698	0.49			
25	0.000	0.000	27.381	0.000	0.000	28.839	0.000	0.000	28.938	0.000	0.000	29.056	0.000	0.000	19.254	0.000	0.000	18.685	0.000	0.000	6.698	0.000	0.000	4.650	0.000	0.000	0.000	0.000	0.000	3.584	0.000	0.000	0.000	0.000	0.000	6.698	0.000	0.000	6.698	0.49			
30	0.000	0.000	27.381	0.000	0.000	28.839	0.000	0.000	28.938	0.000	0.000	29.056	0.000	0.000	19.254	0.000	0.000	18.685	0.000	0.000	6.698	0.000	0.000	4.650	0.000	0.000	0.000	0.000	0.000	3.584	0.000	0.000	0.000	0.000	0.000	6.698	0.000	0.000	6.698	0.49			
35	0.000	0.000	27.381	0.000	0.000	28.839	0.000	0.000	28.938	0.000	0.000	29.056	0.000	0.000	19.254	0.000	0.000	18.685	0.000	0.000	6.698	0.000	0.000	4.650	0.000	0.000	0.000	0.000	0.000	3.584	0.000	0.000	0.000	0.000	0.000	6.698	0.000	0.000	6.698	0.49			
40	0.000	0.000	27.381	0.000	0.000	28.839	0.000	0.000	28.938	0.000	0.000	29.056	0.000	0.000	19.254	0.000	0.000	18.685	0.000	0.000	6.698	0.000	0.000	4.650	0.000	0.000	0.000	0.000	0.000	3.584	0.000	0.000	0.000	0.000	0.000	6.698	0.000	0.000	6.698	0.49			
45	0.000	0.000	27.381	0.000	0.000	28.839	0.000	0.000	28.938	0.000	0.000	29.056	0.000	0.000	19.254	0.000	0.000	18.685	0.000	0.000	6.698	0.000	0.000	4.650	0.000	0.000	0.000	0.000	0.000	3.584	0.000	0.000	0.000	0.000	0.000	6.698	0.000	0.000	6.698	0.49			
50	0.000	0.000	27.381	0.000	0.000	28.839	0.000	0.000	28.938	0.000	0.000	29.056	0.000	0.000	19.254	0.000	0.000	18.685	0.000	0.000	6.698	0.000	0.000	4.650	0.000	0.000	0.000	0.000	0.000	3.584	0.000	0.000	0.000	0.000	0.000	6.698	0.000	0.000	6.698	0.49			
55	0.000	0.000	27.381	0.000	0.000	28.839	0.000	0.000	28.938	0.000	0.000	29.056	0.000	0.000	19.254	0.000	0.000	18.685	0.000	0.000	6.698	0.000	0.000	4.650	0.000	0.000	0.000	0.000	0.000	3.584	0.000	0.000	0.000	0.000	0.000	6.698	0.000	0.000	6.698	0.49			
60	0.000	0.000	27.381	0.000	0.000	28.839	0.000	0.000	28.938	0.000	0.000	29.056	0.000	0.000	19.254	0.000	0.000	18.685	0.000	0.000	6.698	0.000	0.000	4.650	0.000	0.000	0.000	0.000	0.000	3.584	0.000	0.000	0.000	0.000	0.000	6.698	0.000	0.000	6.698	0.49			
65	0.000	0.000	27.381	0.000	0.000	28.839	0.000	0.000	28.938	0.000	0.000	29.056	0.000	0.000	19.254	0.000	0.000	18.685	0.000	0.000	6.698	0.000	0.000	4.650	0.000	0.000	0.000	0.000	0.000	3.584	0.000	0.000	0.000	0.000	0.000	6.698	0.000	0.000	6.698	0.49			

Title : Los Angeles County Avg 2005 Summer 75°F
Version : Emfac2002 V2.2 Sept 23 2002
Run Date : 03/05/03 13:49:23
Scen Year: 2005 -- Model Years: 1965 to 2005
Season : Summer
Area : Los Angeles County

Year: 2005 -- Model Years 1965 to 2005 Inclusive -- Summer
Emfac2002 Emission Factors: V2.2 Sept 23 2002

County Average Los Angeles Count County Average

Table 5b: Multi-Day Diurnal Loss Emissions (grams/hour)

Pollutant Name: Reactive Org Gases Temperature: ALL Relative Humidity: ALL

Temp degF	Light Duty Autos			Light Duty Truck 1			Light Duty Truck 2			Medium Duty Truck			Light-Heavy Duty Truck 1			Light-Heavy Duty Truck 2			Medium-Heavy Duty Truck			Heavy-Heavy Duty Truck			Line-Haul Vehicles			Urban Buses			Motorcycles			School Buses			Motor Homes		
	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL
75	0.059	0.016	0.000	0.058	0.018	0.000	0.057	0.012	0.000	0.038	0.015	0.000	0.002	0.000	0.000	0.002	0.000	0.000	0.002	0.001	0.000	0.002	0.001	0.000	0.000	0.000	0.000	0.010	0.003	0.000	0.014	0.097	0.000	0.002	0.001	0.000	0.002	0.001	0.000

Title : Los Angeles County Avg 2005 Summer 75°F
Version : Emfac2002 V2.2 Sept 23 2002
Run Date : 03/05/03 13:49:23
Scen Year: 2005 -- Model Years: 1965 to 2005
Season : Summer
Area : Los Angeles County

Year: 2005 -- Model Years 1965 to 2005 Inclusive -- Summer
Emfac2002 Emission Factors: V2.2 Sept 23 2002

County Average Los Angeles Count County Average

Table 6a: Partial Day Resting Loss Emissions (grams/hour)

Pollutant Name: Reactive Org Gases Temperature: ALL Relative Humidity: ALL

Temp degF	Light Duty Autos			Light Duty Truck 1			Light Duty Truck 2			Medium Duty Truck			Light-Heavy Duty Truck 1			Light-Heavy Duty Truck 2			Medium-Heavy Duty Truck			Heavy-Heavy Duty Truck			Line-Haul Vehicles			Urban Buses			Motorcycles			School Buses			Motor Homes		
	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL
75	0.490	0.064	0.000	0.487	0.081	0.000	0.487	0.051	0.000	0.323	0.068	0.000	0.026	0.003	0.000	0.026	0.003	0.000	0.026	0.006	0.000	0.025	0.007	0.000	0.000	0.000	0.000	0.022	0.004	0.000	0.105	0.291	0.000	0.026	0.007	0.000	0.028	0.010	0.000

Title : Los Angeles County Avg 2005 Summer 75°F
Version : Emfac2002 V2.2 Sept 23 2002
Run Date : 03/05/03 13:49:23
Scen Year: 2005 -- Model Years: 1965 to 2005
Season : Summer
Area : Los Angeles County

Year: 2005 -- Model Years 1965 to 2005 Inclusive -- Summer
Emfac2002 Emission Factors: V2.2 Sept 23 2002

County Average Los Angeles Count County Average

Table 6b: Multi-Day Resting Loss Emissions (grams/hour)

Pollutant Name: Reactive Org Gases Temperature: ALL Relative Humidity: ALL

Temp degF	Light Duty Autos			Light Duty Truck 1			Light Duty Truck 2			Medium Duty Truck			Light-Heavy Duty Truck 1			Light-Heavy Duty Truck 2			Medium-Heavy Duty Truck			Heavy-Heavy Duty Truck			Line-Haul Vehicles			Urban Buses			Motorcycles			School Buses			Motor Homes		
	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL
75	0.031	0.006	0.000	0.031	0.007	0.000	0.031	0.004	0.000	0.020	0.006	0.000	0.001	0.000	0.000	0.001	0.000	0.000	0.001	0.000	0.000	0.001	0.000	0.000	0.000	0.000	0.000	0.005	0.001	0.000	0.007	0.029	0.000	0.001	0.000	0.000	0.001	0.000	0.000

Title : Los Angeles County Avg 2005 Winter 60°F
Version : Emfac2002 V2.2 Sept 23 2002
Run Date : 03/20/03 09:56:05
Scen Year: 2005 -- Model Years: 1965 to 2005
Season : Winter
Area : Los Angeles County

Year: 2005 -- Model Years 1965 to 2005 Inclusive -- Winter
Emfac2002 Emission Factors: V2.2 Sept 23 2002

County Average Los Angeles Count County Average

Table 1: Running Exhaust Emissions (grams / mile)

Pollutant Name: Reactive Org Gases Temperature: 60F Relative Humidity: 70%

Speed MPH	Light Duty Autos				Light Duty Truck 1				Light Duty Truck 2				Medium Duty Truck				Light-Heavy Duty Truck 1				Light-Heavy Duty Truck 2				Medium-Heavy Duty Truck				Heavy-Heavy Duty Truck				Line-Haul Vehicles				Urban Buses				Motorcycles				School Buses				Motor Homes			
	NCAT	CAT	DSL		NCAT	CAT	DSL		NCAT	CAT	DSL		NCAT	CAT	DSL		NCAT	CAT	DSL		NCAT	CAT	DSL		NCAT	CAT	DSL		NCAT	CAT	DSL		NCAT	CAT	DSL		NCAT	CAT	DSL		NCAT	CAT	DSL									
5	19.224	0.662	0.819		19.483	0.872	0.445		18.650	0.700	0.312		20.882	1.069	0.266		21.932	0.914	0.740		21.389	1.367	0.908		32.778	3.743	0.888		87.817	19.479	2.088	0.000	0.000	0.000		37.737	9.535	3.070		6.236	3.135	0.000		33.386	6.449	0.955		32.193	3.527	0.464		
10	13.661	0.432	0.643		13.846	0.585	0.349		13.252	0.463	0.245		14.842	0.712	0.209		14.337	0.595	0.581		13.981	0.887	0.713		21.444	2.425	0.697		57.507	12.729	1.639	0.000	0.000	0.000		24.692	6.231	2.227		4.904	2.405	0.000		21.841	4.198	0.750		21.060	2.292	0.364		
15	10.155	0.296	0.516		10.293	0.412	0.280		9.851	0.320	0.196		11.035	0.496	0.167		9.761	0.403	0.466		9.518	0.599	0.572		14.615	1.633	0.559		39.246	8.663	1.316	0.000	0.000	0.000		16.833	4.243	1.673		4.037	1.936	0.000		14.886	2.843	0.602		14.353	1.549	0.292		
20	7.898	0.213	0.423		8.005	0.303	0.230		7.660	0.233	0.161		8.584	0.362	0.137		6.921	0.285	0.382		6.748	0.420	0.469		10.376	1.143	0.459		27.912	6.140	1.079	0.000	0.000	0.000		11.956	3.010	1.302		3.478	1.637	0.000		10.570	2.004	0.494		10.190	1.089	0.240		
25	6.427	0.161	0.355		6.514	0.234	0.193		6.233	0.179	0.135		6.987	0.277	0.115		5.111	0.209	0.321		4.983	0.307	0.394		7.675	0.832	0.385		20.689	4.532	0.905	0.000	0.000	0.000		8.847	2.225	1.049		3.139	1.455	0.000		7.819	1.470	0.414		7.537	0.797	0.201		
30	5.474	0.128	0.304		5.549	0.189	0.165		5.309	0.143	0.116		5.952	0.223	0.099		3.932	0.160	0.275		3.833	0.233	0.338		5.915	0.631	0.330		15.981	3.485	0.776	0.000	0.000	0.000		6.822	1.713	0.875		2.968	1.359	0.000		6.026	1.124	0.355		5.808	0.607	0.172		
35	4.881	0.107	0.267		4.948	0.160	0.145		4.734	0.121	0.101		5.309	0.188	0.086		3.152	0.127	0.241		3.072	0.185	0.296		4.751	0.499	0.289		12.867	2.792	0.680	0.000	0.000	0.000		5.482	1.375	0.756		2.941	1.335	0.000		4.841	0.896	0.311		4.665	0.483	0.151		
40	4.558	0.095	0.239		4.621	0.142	0.130		4.420	0.107	0.091		4.958	0.167	0.077		2.635	0.106	0.216		2.568	0.153	0.265		3.978	0.413	0.259		10.799	2.333	0.609	0.000	0.000	0.000		4.592	1.150	0.677		3.053	1.378	0.000		4.053	0.745	0.279		3.906	0.400	0.135		
45	4.458	0.088	0.219		4.520	0.132	0.119		4.323	0.100	0.083		4.850	0.155	0.071		2.297	0.092	0.198		2.238	0.132	0.243		3.474	0.357	0.237		9.449	2.033	0.558	0.000	0.000	0.000		4.012	1.003	0.627		3.321	1.496	0.000		3.539	0.647	0.255		3.410	0.346	0.124		
50	4.568	0.086	0.205		4.630	0.130	0.111		4.429	0.098	0.078		4.968	0.152	0.066		2.090	0.083	0.185		2.036	0.120	0.227		3.164	0.323	0.222		8.621	1.849	0.522	0.000	0.000	0.000		3.655	0.914	0.602		3.785	1.706	0.000		3.224	0.587	0.239		3.106	0.313	0.116		
55	4.901	0.089	0.196		4.968	0.134	0.106		4.753	0.101	0.075		5.330	0.157	0.064		1.985	0.079	0.177		1.934	0.113	0.217		3.008	0.305	0.212		8.202	1.756	0.500	0.000	0.000	0.000		3.475	0.868	0.599		4.516	2.042	0.000		3.065	0.556	0.229		2.952	0.297	0.111		
60	5.507	0.096	0.192		5.583	0.145	0.104		5.341	0.110	0.073		5.989	0.171	0.062		1.969	0.079	0.173		1.918	0.112	0.213		2.984	0.303	0.208		8.138	1.742	0.489	0.000	0.000	0.000		3.448	0.861	0.616		5.639	2.563	0.000		3.040	0.552	0.224		2.929	0.294	0.109		
65	6.479	0.111	0.192		6.567	0.166	0.104		6.284	0.126	0.073		7.044	0.196	0.062		2.040	0.081	0.173		1.987	0.116	0.213		3.089	0.314	0.208		8.421	1.804	0.489	0.000	0.000	0.000		3.569	0.892	0.657		7.368	3.371	0.000		3.148	0.572	0.224		3.033	0.306	0.109		

Pollutant Name: Carbon Monoxide Temperature: 60F Relative Humidity: 70%

Speed MPH	Light Duty Autos				Light Duty Truck 1				Light Duty Truck 2				Medium Duty Truck				Light-Heavy Duty Truck 1				Light-Heavy Duty Truck 2				Medium-Heavy Duty Truck				Heavy-Heavy Duty Truck				Line-Haul Vehicles				Urban Buses				Motorcycles				School Buses				Motor Homes			
	NCAT	CAT	DSL		NCAT	CAT	DSL		NCAT	CAT	DSL		NCAT	CAT	DSL		NCAT	CAT	DSL		NCAT	CAT	DSL		NCAT	CAT	DSL		NCAT	CAT	DSL		NCAT	CAT	DSL		NCAT	CAT	DSL		NCAT	CAT	DSL									
5	169.325	7.330	3.173		170.715	13.406	2.693		163.185	9.212	2.198		239.430	11.169	2.088		397.369	9.903	3.084		392.057	16.348	3.563		594.396	48.207	7.551		2160.746	190.694	12.148		0.000	0.000	0.000		642.915	58.685	18.314		47.900	24.113	0.000		600.338	83.030	8.637		588.666	84.028	4.286	
10	123.416	6.379	2.188		124.428	11.224	1.857		118.940	7.857	1.515		174.512	9.383	1.440		264.374	6.588	2.127		260.840	10.876	2.457		395.458	32.073	5.206		1437.569	126.871	8.376		0.000	0.000	0.000		427.739	39.044	11.527		39.285	20.023	0.000		399.411	55.241	5.956		391.646	55.905	2.955	
15	94.731	5.634	1.579		95.508	9.628	1.340		91.296	6.839	1.094		133.952	8.080	1.039		185.836	4.631	1.535		183.352	7.645	1.773		277.979	22.545	3.757		1010.509	89.181	6.045		0.000	0.000	0.000		300.670	27.445	7.703		33.930	17.425	0.000		280.758	38.830	4.298		275.299	39.297	2.133	
20	76.576	5.038	1.192		77.204	8.434	1.012		73.799	6.055	0.826		108.279	7.102	0.785		138.015	3.439	1.159		136.170	5.678	1.339		206.447	16.743	2.837		750.477	66.233	4.565		0.000	0.000	0.000		223.299	20.383	5.467		30.862	15.877	0.000		208.511	28.838	3.246		204.457	29.185	1.611	
25	65.187	4.556	0.942		65.722	7.525	0.800		62.823	5.442	0.653		92.176	6.356	0.620		108.296	2.699	0.916		106.848	4.455	1.058		161.992	13.138	2.243		588.872	51.970	3.608		0.000	0.000	0.000		175.215	15.994	4.119		29.563	15.144	0.000		163.611	22.628	2.565		160.430	22.900	1.273	
30	58.440	4.162	0.780		58.919	6.831	0.662		56.321	4.959	0.540		82.635	5.783	0.513		89.780	2.237	0.758		88.580	3.694	0.875		134.296	10.892	1.855		488.192	43.085	2.984		0.000	0.000	0.000		145.258	13.259	3.296		29.822	15.128	0.000		135.638	18.759	2.122		133.001	18.985	1.053	
35	55.174	3.839	0.675		55.626	6.306	0.573		53.173	4.579	0.467		78.016	5.346	0.444		78.639	1.960	0.656		77.588	3.235	0.758		117.630	9.540	1.606		427.609	37.738	2.584		0.000	0.000	0.000		127.232	11.614	2.800		31.681	15.847	0.000		118.806	16.431	1.837		116.496	16.629	0.912	
40	54.856	3.577	0.611		55.306	5.923	0.519		52.867	4.285	0.423		77.568	5.024	0.402		72.774	1.814	0.594		71.802	2.994	0.687		108.858	8.829	1.455		395.721	34.924	2.341		0.000	0.000	0.000		117.744	10.748	2.526		35.443	17.436	0.000		109.946	15.206	1.664		107.809	15.389	0.826	
45	57.438	3.369	0.580		57.909	5.667	0.492		55.355	4.070	0.401		81.218	4.807	0.381		71.155	1.773	0.563		70.204	2.927	0.651		106.436	8.632	1.379		386.917	34.147	2.219		0.000	0.000	0.000		115.124	10.508	2.420		41.759	20.185	0.000		107.500	14.868	1.578		105.410	15.047	0.783	
50	63.335	3.211	0.575		63.855	5.537	0.488		61.038	3.931	0.398		89.557	4.694	0.378		73.506	1.832	0.559		72.523	3.024	0.646		109.952	8.917	1.369		399.698	35.275	2.202		0.000	0.000	0.000		118.927	10.856	2.461		51.813	24.628	0.000		111.051	15.359	1.566		108.892	15.544	0.777	
55	73.547	3.104	0.597		74.150	5.546	0.507		70.880	3.874	0.414		103.997	4.699	0.393		80.227	1.999	0.581		79.155	3.301	0.617		120.006	9.733	1.421		426.247	38.501	2.287		0.000	0.000	0.000		129.802	11.848	2.568		67.702	31.708	0.000		121.206	16.763	1.626		118.850	15.965	0.807	
60	89.941	3.053	0.649		90.679	5.726	0.551		86.680	3.916	0.450		127.179	4.851	0.427		92.514	2.306	0.631		91.278	3.806	0.729		138.386	11.223	1.545		503.606	44.397	2.485		0.000	0.000	0.000		149.682	13.663	3.049		93.162	43.108	0.000		139.769	19.331	1.767		137.052	19.563	0.877	
65	115.832	3.072	0.738		116.783	6.139	0.627		111.632	4.088	0.511		163.789	5.207	0.486		122.715	2.809	0.718		111.209	4.637	0.829		168.603	13.674	1.757		612.905	54.091	2.827		0.000	0.000	0.000		182.365	16.644	3.712		135.005	61.894	0.000		170.288	23.552	2.010		166.798	23.835	0.997	

Pollutant Name: Sulfur Dioxide Temperature: 60F Relative Humidity: 70%

Speed MPH	Light Duty Autos			Light Duty Truck 1			Light Duty Truck 2			Medium Duty Truck			Light-Heavy Duty Truck 1			Light-Heavy Duty Truck 2			Medium-Heavy Duty Truck			Heavy-Heavy Duty Truck			Line-Haul Vehicles			Urban Buses			Motorcycles			School Buses			Motor Homes		
	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL
5	0.016	0.010	0.031	0.016	0.012	0.029	0.016	0.012	0.029	0.019	0.016	0.029	0.031	0.024	0.043	0.031	0.024	0.045	0.035	0.025	0.125	0.062	0.028	0.180	0.000	0.000	0.000	0.036	0.026	0.233	0.003	0.003	0.000	0.035	0.026	0.125	0.035	0.026	0.125
10	0.012	0.007	0.031	0.012	0.009	0.029	0.012	0.009	0.029	0.014	0.012	0.029	0.021	0.016	0.043	0.021	0.016	0.045	0.023	0.017	0.125	0.041	0.019	0.180	0.000	0.000	0.000	0.024	0.017	0.233	0.003	0.002	0.000	0.023	0.017	0.125	0.023	0.017	0.125
15	0.010	0.006	0.031	0.010	0.007	0.029	0.009	0.007	0.029	0.009	0.010	0.029	0.015	0.011	0.043	0.015	0.011	0.045	0.016	0.012	0.125	0.029	0.013	0.180	0.000	0.000	0.000	0.017	0.012	0.233	0.002	0.002	0.000	0.016	0.012	0.125	0.016	0.012	0.125
20	0.008	0.005	0.031	0.008	0.006	0.029	0.008	0.006	0.029	0.009	0.008	0.029	0.011	0.008	0.043	0.011	0.008	0.045	0.012	0.009	0.125	0.021	0.010	0.180	0.000	0.000	0.000	0.012	0.009	0.233	0.002	0.002	0.000	0.012	0.009	0.125	0.012	0.009	0.125
25	0.007	0.004	0.031	0.007	0.005	0.029	0.006	0.005	0.029	0.008	0.007	0.029	0.009	0.007	0.043	0.008	0.007	0.045	0.009	0.007	0.125	0.017	0.008	0.180	0.000	0.000	0.000	0.010	0.007	0.233	0.002	0.002	0.000	0.010	0.007	0.125	0.009	0.007	0.125
30	0.006	0.003	0.031	0.006	0.004	0.029	0.006	0.004	0.029	0.007	0.006	0.029	0.007	0.005	0.043	0.007	0.006	0.045	0.008	0.006	0.125	0.014	0.006	0.180	0.000	0.000	0.000	0.008	0.006	0.233	0.002	0.002	0.000	0.008	0.006	0.125	0.008	0.006	0.125
35	0.005	0.003	0.031	0.005	0.004	0.029	0.005	0.004	0.029	0.006	0.005	0.029	0.006	0.005	0.043	0.006	0.005	0.045	0.007	0.005	0.125	0.012	0.006	0.180	0.000	0.000	0.000	0.007	0.005	0.233	0.002	0.001	0.000	0.007	0.005	0.125	0.007	0.005	0.125
40	0.005	0.003	0.031	0.005	0.004	0.029	0.005	0.004	0.029	0.006	0.005	0.029	0.006	0.004	0.043	0.006	0.004	0.045	0.006	0.005	0.125	0.011	0.005	0.180	0.000	0.000	0.000	0.006	0.005	0.233	0.002	0.001	0.000	0.006	0.005	0.125	0.006	0.005	0.125
45	0.005	0.003	0.031	0.005	0.004	0.029	0.005	0.003	0.029	0.006	0.005	0.029	0.006	0.004	0.043	0.006	0.004	0.045	0.006	0.004	0.125	0.011	0.005	0.180	0.000	0.000	0.000	0.006	0.005	0.233	0.002	0.001	0.000	0.006	0.005	0.125	0.006	0.005	0.125
50	0.005	0.003	0.031	0.005	0.004	0.029	0.005	0.004	0.029	0.006	0.005	0.029	0.006	0.004	0.043	0.006	0.005	0.045	0.006	0.005	0.125	0.011	0.005	0.180	0.000	0.000	0.000	0.006	0.005	0.233	0.002	0.002	0.000	0.006	0.005	0.125	0.006	0.005	0.125
55	0.005	0.003	0.031	0.006	0.004	0.029	0.005	0.004	0.029	0.007	0.005	0.029	0.006	0.005	0.043	0.006	0.005	0.045	0.007	0.005	0.125	0.012	0.006	0.180	0.000	0.000	0.000	0.007	0.005	0.233	0.002	0.002	0.000	0.007	0.005	0.125	0.007	0.005	0.125
60	0.006	0.003	0.031	0.006	0.004	0.029	0.006	0.004	0.029	0.007	0.006	0.029	0.007	0.006	0.043	0.007	0.006	0.045	0.008	0.006	0.125	0.014	0.006	0.180	0.000	0.000	0.000	0.008	0.006	0.233	0.003	0.002	0.000	0.008	0.006	0.125	0.008	0.006	0.125
65	0.007	0.004	0.031	0.007	0.005	0.029	0.007	0.005	0.029	0.009	0.006	0.029	0.009	0.007	0.043	0.009	0.007	0.045	0.010	0.007	0.125	0.017	0.008	0.180	0.000	0.000	0.000	0.010	0.007	0.233	0.003	0.002	0.000	0.010	0.007	0.125	0.010	0.007	0.125

Pollutant Name: PM10 Temperature: 60F Relative Humidity: 70%

Speed MPH	Light Duty Autos			Light Duty Truck 1			Light Duty Truck 2			Medium Duty Truck			Light-Heavy Duty Truck 1			Light-Heavy Duty Truck 2			Medium-Heavy Duty Truck			Heavy-Heavy Duty Truck			Line-Haul Vehicles			Urban Buses			Motorcycles			School Buses			Motor Homes		
	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL
5	0.104	0.053	0.492	0.101	0.057	0.231	0.105	0.097	0.172	0.106	0.103	0.145	0.101	0.032	0.151	0.101	0.042	0.197	0.101	0.048	0.898	0.101	0.105	1.005	0.000	0.000	0.000	0.101	0.075	1.138	0.080	0.005	0.000	0.101	0.050	1.099	0.101	0.019	0.746
10	0.074	0.035	0.386	0.072	0.038	0.181	0.075	0.064	0.135	0.066	0.069	0.114	0.066	0.021	0.118	0.066	0.028	0.155	0.066	0.031	0.705	0.066	0.069	0.789	0.000	0.000	0.000	0.066	0.049	0.826	0.063	0.004	0.000	0.066	0.033	0.863	0.066	0.012	0.585
15	0.055	0.025	0.310	0.054	0.027	0.146	0.056	0.045	0.109	0.056	0.049	0.091	0.045	0.015	0.095	0.045	0.019	0.124	0.045	0.021	0.566	0.045	0.047	0.633	0.000	0.000	0.000	0.045	0.034	0.620	0.052	0.003	0.000	0.045	0.022	0.692	0.045	0.009	0.470
20	0.043	0.018	0.254	0.042	0.020	0.119	0.044	0.033	0.089	0.044	0.036	0.075	0.032	0.010	0.078	0.032	0.013	0.102	0.032	0.015	0.464	0.032	0.034	0.520	0.000	0.000	0.000	0.032	0.024	0.483	0.045	0.003	0.000	0.032	0.016	0.568	0.032	0.006	0.385
25	0.035	0.014	0.213	0.034	0.016	0.100	0.036	0.026	0.075	0.036	0.028	0.063	0.024	0.008	0.065	0.024	0.010	0.085	0.024	0.011	0.389	0.024	0.025	0.436	0.000	0.000	0.000	0.024	0.018	0.389	0.041	0.002	0.000	0.024	0.012	0.476	0.024	0.005	0.323
30	0.030	0.011	0.183	0.029	0.013	0.086	0.030	0.021	0.064	0.030	0.023	0.054	0.019	0.006	0.056	0.019	0.008	0.073	0.019	0.009	0.334	0.019	0.019	0.374	0.000	0.000	0.000	0.019	0.014	0.324	0.039	0.002	0.000	0.019	0.009	0.408	0.019	0.003	0.277
35	0.027	0.009	0.160	0.026	0.011	0.075	0.027	0.018	0.056	0.027	0.019	0.047	0.015	0.005	0.049	0.015	0.006	0.064	0.015	0.007	0.292	0.015	0.016	0.327	0.000	0.000	0.000	0.015	0.011	0.280	0.038	0.002	0.000	0.015	0.007	0.358	0.015	0.003	0.243
40	0.025	0.008	0.143	0.024	0.010	0.067	0.025	0.016	0.050	0.025	0.017	0.042	0.013	0.004	0.044	0.013	0.005	0.057	0.013	0.006	0.262	0.013	0.013	0.293	0.000	0.000	0.000	0.013	0.009	0.251	0.040	0.002	0.000	0.013	0.006	0.320	0.013	0.002	0.218
45	0.024	0.008	0.131	0.024	0.009	0.062	0.025	0.015	0.046	0.025	0.016	0.039	0.011	0.004	0.040	0.011	0.005	0.053	0.011	0.005	0.240	0.011	0.011	0.269	0.000	0.000	0.000	0.011	0.008	0.233	0.043	0.002	0.000	0.011	0.005	0.293	0.011	0.002	0.199
50	0.025	0.008	0.123	0.025	0.009	0.058	0.025	0.014	0.043	0.026	0.016	0.036	0.010	0.003	0.038	0.010	0.004	0.049	0.010	0.005	0.224	0.010	0.010	0.251	0.000	0.000	0.000	0.010	0.007	0.223	0.049	0.003	0.000	0.010	0.005	0.275	0.010	0.002	0.186
55	0.027	0.008	0.118	0.026	0.009	0.055	0.027	0.015	0.041	0.027	0.016	0.035	0.010	0.003	0.036	0.010	0.004	0.047	0.010	0.004	0.215	0.010	0.010	0.241	0.000	0.000	0.000	0.010	0.007	0.222	0.058	0.003	0.000	0.010	0.005	0.263	0.010	0.002	0.178
60	0.030	0.009	0.115	0.029	0.010	0.054	0.031	0.016	0.040	0.031	0.017	0.034	0.009	0.003	0.035	0.009	0.004	0.046	0.009	0.004	0.210	0.009	0.010	0.235	0.000	0.000	0.000	0.009	0.007	0.228	0.073	0.004	0.000	0.009	0.005	0.257	0.009	0.002	0.175
65	0.035	0.010	0.115	0.035	0.011	0.054	0.036	0.018	0.040	0.036	0.020	0.034	0.010	0.003	0.035	0.010	0.004	0.046	0.010	0.005	0.210	0.010	0.010	0.235	0.000	0.000	0.000	0.010	0.007	0.244	0.095	0.005	0.000	0.010	0.005	0.257	0.010	0.002	0.175

Pollutant Name: PM10 - Tire Wear Temperature: 60F Relative Humidity: 70%

Speed MPH	Light Duty Autos			Light Duty Truck 1			Light Duty Truck 2			Medium Duty Truck			Light-Heavy Duty Truck 1			Light-Heavy Duty Truck 2
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Pollutant Name: Diesel - mi / gal Temperature: 60F Relative Humidity: 70%

Speed MPH	Light Duty Autos			Light Duty Truck 1			Light Duty Truck 2			Medium Duty Truck			Light-Heavy Duty Truck 1			Light-Heavy Duty Truck 2			Medium-Heavy Duty Truck			Heavy-Heavy Duty Truck			Line-Haul Vehicles			Urban Buses			Motorcycles			School Buses			Motor Homes		
	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL			
5	0.000	0.000	27.381	0.000	0.000	28.839	0.000	0.000	28.938	0.000	0.000	29.056	0.000	0.000	19.254	0.000	0.000	18.685	0.000	0.000	6.698	0.000	0.000	4.650	0.000	0.000	0.000	0.000	0.000	3.584	0.000	0.000	0.000	0.000	0.000	6.698	0.000	0.000	6.698
10	0.000	0.000	27.381	0.000	0.000	28.839	0.000	0.000	28.938	0.000	0.000	29.056	0.000	0.000	19.254	0.000	0.000	18.685	0.000	0.000	6.698	0.000	0.000	4.650	0.000	0.000	0.000	0.000	0.000	3.584	0.000	0.000	0.000	0.000	0.000	6.698	0.000	0.000	6.698
15	0.000	0.000	27.381	0.000	0.000	28.839	0.000	0.000	28.938	0.000	0.000	29.056	0.000	0.000	19.254	0.000	0.000	18.685	0.000	0.000	6.698	0.000	0.000	4.650	0.000	0.000	0.000	0.000	0.000	3.584	0.000	0.000	0.000	0.000	0.000	6.698	0.000	0.000	6.698
20	0.000	0.000	27.381	0.000	0.000	28.839	0.000	0.000	28.938	0.000	0.000	29.056	0.000	0.000	19.254	0.000	0.000	18.685	0.000	0.000	6.698	0.000	0.000	4.650	0.000	0.000	0.000	0.000	0.000	3.584	0.000	0.000	0.000	0.000	0.000	6.698	0.000	0.000	6.698
25	0.000	0.000	27.381	0.000	0.000	28.839	0.000	0.000	28.938	0.000	0.000	29.056	0.000	0.000	19.254	0.000	0.000	18.685	0.000	0.000	6.698	0.000	0.000	4.650	0.000	0.000	0.000	0.000	0.000	3.584	0.000	0.000	0.000	0.000	0.000	6.698	0.000	0.000	6.698
30	0.000	0.000	27.381	0.000	0.000	28.839	0.000	0.000	28.938	0.000	0.000	29.056	0.000	0.000	19.254	0.000	0.000	18.685	0.000	0.000	6.698	0.000	0.000	4.650	0.000	0.000	0.000	0.000	0.000	3.584	0.000	0.000	0.000	0.000	0.000	6.698	0.000	0.000	6.698
35	0.000	0.000	27.381	0.000	0.000	28.839	0.000	0.000	28.938	0.000	0.000	29.056	0.000	0.000	19.254	0.000	0.000	18.685	0.000	0.000	6.698	0.000	0.000	4.650	0.000	0.000	0.000	0.000	0.000	3.584	0.000	0.000	0.000	0.000	0.000	6.698	0.000	0.000	6.698
40	0.000	0.000	27.381	0.000	0.000	28.839	0.000	0.000	28.938	0.000	0.000	29.056	0.000	0.000	19.254	0.000	0.000	18.685	0.000	0.000	6.698	0.000	0.000	4.650	0.000	0.000	0.000	0.000	0.000	3.584	0.000	0.000	0.000	0.000	0.000	6.698	0.000	0.000	6.698
45	0.000	0.000	27.381	0.000	0.000	28.839	0.000	0.000	28.938	0.000	0.000	29.056	0.000	0.000	19.254	0.000	0.000	18.685	0.000	0.000	6.698	0.000	0.000	4.650	0.000	0.000	0.000	0.000	0.000	3.584	0.000	0.000	0.000	0.000	0.000	6.698	0.000	0.000	6.698
50	0.000	0.000	27.381	0.000	0.000	28.839	0.000	0.000	28.938	0.000	0.000	29.056	0.000	0.000	19.254	0.000	0.000	18.685	0.000	0.000	6.698	0.000	0.000	4.650	0.000	0.000	0.000	0.000	0.000	3.584	0.000	0.000	0.000	0.000	0.000	6.698	0.000	0.000	6.698
55	0.000	0.000	27.381	0.000	0.000	28.839	0.000	0.000	28.938	0.000	0.000	29.056	0.000	0.000	19.254	0.000	0.000	18.685	0.000	0.000	6.698	0.000	0.000	4.650	0.000	0.000	0.000	0.000	0.000	3.584	0.000	0.000	0.000	0.000	0.000	6.698	0.000	0.000	6.698
60	0.000	0.000	27.381	0.000	0.000	28.839	0.000	0.000	28.938	0.000	0.000	29.056	0.000	0.000	19.254	0.000	0.000	18.685	0.000	0.000	6.698	0.000	0.000	4.650	0.000	0.000	0.000	0.000	0.000	3.584	0.000	0.000	0.000	0.000	0.000	6.698	0.000	0.000	6.698
65	0.000	0.000	27.381	0.000	0.000	28.839	0.000	0.000	28.938	0.000	0.000	29.056	0.000	0.000	19.254	0.000	0.000	18.685	0.000	0.000	6.698	0.000	0.000	4.650	0.000	0.000	0.000	0.000	0.000	3.584	0.000	0.000	0.000	0.000	0.000	6.698	0.000	0.000	6.698

Title : Los Angeles County Avg 2005 Winter 60°F
Version : Emfac2002 V2.2 Sept 23 2002
Run Date : 03/20/03 09:56:05
Scen Year: 2005 -- Model Years: 1965 to 2005
Season : Winter
Area : Los Angeles County

Year: 2005 -- Model Years 1965 to 2005 Inclusive -- Winter
Emfac2002 Emission Factors: V2.2 Sept 23 2002

County Average Los Angeles Count County Average

Table 2: Starting Emissions (grams /trip)

Pollutant Name: Reactive Org Gases Temperature: 60F Relative Humidity: ALL

min	Light Duty Autos			Light Duty Truck 1			Light Duty Truck 2			Medium Duty Truck			Light-Heavy Duty Truck 1			Light-Heavy Duty Truck 2			Medium-Heavy Duty Truck			Heavy-Heavy Duty Truck			Line-Haul Vehicles			Urban Buses			Motorcycles			School Buses			Motor Homes		
	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL			
5	4.333	0.136	0.000	4.243	0.149	0.000	3.947	0.129	0.000	4.677	0.197	0.000	7.635	0.281	0.000	7.428	0.348	0.000	11.392	0.720	0.000	17.880	1.858	0.000	0.000	0.000	0.000	13.080	0.702	0.000	2.252	0.450	0.000	11.576	0.724	0.000	11.164	0.679	0.000
10	4.296	0.265	0.000	4.207	0.291	0.000	3.913	0.251	0.000	4.636	0.385	0.000	7.569	0.548	0.000	7.365	0.678	0.000	11.294	1.402	0.000	17.727	3.621	0.000	0.000	0.000	0.000	12.967	1.368	0.000	2.233	0.877	0.000	11.476	1.410	0.000	11.068	1.324	0.000
20	4.337	0.504	0.000	4.247	0.552	0.000	3.951	0.479	0.000	4.681	0.732	0.000	7.642	1.041	0.000	7.435	1.286	0.000	11.402	2.659	0.000	17.896	6.865	0.000	0.000	0.000	0.000	13.091	2.593	0.000	2.254	1.663	0.000	11.586	2.674	0.000	11.174	2.510	0.000
30	4.532	0.717	0.000	4.438	0.785	0.000	4.128	0.682	0.000	4.891	1.042	0.000	7.985	1.478	0.000	7.769	1.824	0.000	11.915	3.769	0.000	18.700	9.732	0.000	0.000	0.000	0.000	13.680	3.676	0.000	2.356	2.358	0.000	12.107	3.791	0.000	11.676	3.558	0.000
40	4.880	0.903	0.000	4.779	0.989	0.000	4.446	0.861	0.000	5.267	1.314	0.000	8.600	1.860	0.000	8.367	2.293	0.000	12.832	4.733	0.000	20.139	12.222	0.000	0.000	0.000	0.000	14.732	4.616	0.000	2.537	2.961	0.000	13.038	4.760	0.000	12.575	4.468	0.000
50	5.383	1.064	0.000	5.271	1.163	0.000	4.904	1.016	0.000	5.810	1.548	0.000	9.485	2.186	0.000	9.229	2.692	0.000	14.153	5.551	0.000	22.213	14.334	0.000	0.000	0.000	0.000	16.249	5.414	0.000	2.798	3.473	0.000	14.381	5.583	0.000	13.869	5.240	0.000
60	5.596	1.198	0.000	5.480	1.309	0.000	5.098	1.147	0.000	6.040	1.745	0.000	9.861	2.456	0.000	9.595	3.021	0.000	14.714	6.223	0.000	23.094	16.069	0.000	0.000	0.000	0.000	16.894	6.069	0.000	2.909	3.893	0.000	14.951	6.259	0.000	14.419	5.875	0.000
120	4.496	1.378	0.000	4.403	1.386	0.000	4.096	1.318	0.000	4.853	1.927	0.000	7.923	2.278	0.000	7.709	2.871	0.000	11.822	5.368	0.000	18.555	14.690	0.000	0.000	0.000	0.000	13.573	5.204	0.000	2.337	2.636	0.000	12.012	5.358	0.000	11.585	4.040	0.000
180	4.895	1.126	0.000	4.793	1.198	0.000	4.459	1.095	0.000	5.283	1.632	0.000	8.625	2.374	0.000	8.392	3.021	0.000	12.869	5.696	0.000	20.198	15.587	0.000	0.000	0.000	0.000	14.775	5.522	0.000	2.544	2.616	0.000	13.076	5.685	0.000	12.611	4.286	0.000
240	5.293	1.190	0.000	5.183	1.266	0.000	4.821	1.158	0.000	5.713	1.725	0.000	9.326	2.508	0.000	9.074	3.190	0.000	13.916	6.013	0.000	21.841	16.455	0.000	0.000	0.000	0.000	15.977	5.829	0.000	2.751	2.762	0.000	14.140	6.001	0.000	13.637	4.525	0.000
300	5.691	1.252	0.000	5.573	1.332	0.000	5.184	1.219	0.000	6.142	1.816	0.000	10.028	2.638	0.000	9.757	3.354	0.000	14.963	6.320	0.000	23.484	17.296	0.000	0.000	0.000	0.000	17.179	6.127	0.000	2.958	2.903	0.000	15.204	6.308	0.000	14.663	4.756	0.000
360	6.089	1.312	0.000	5.963	1.396	0.000	5.547	1.278	0.000	6.572	1.904	0.000	10.730	2.763	0.000	10.440	3.513	0.000	16.010	6.617	0.000	25.128	18.107	0.000	0.000	0.000	0.000	18.381	6.415	0.000	3.165	3.039	0.000	16.268	6.604	0.000	15.689	4.979	0.000
420	6.487	1.371	0.000	1.445	6.353	1.458	0.000	1.578	5.910	1.336	0.000	1.380	7.002	1.990	0.000	2.007	11.432	2.885	0.000	3.104	11.122	3.666	0.000	3.007	17.057	6.903	0.000	3.357	26.771	18.890	0.000	11.276	0.000	0.000	0.000	19.584	6.692	0.000	
480	6.886	1.428	0.000	1.507	6.743	1.518	0.000	1.647	6.272	1.393	0.000	1.440	7.432	2.073	0.000	2.092	12.133	3.003	0.000	3.241	11.805	3.814	0.000	3.129	18.104	7.179	0.000	3.514	28.414	19.645	0.000	11.769	0.000	0.000	0.000	20.786	6.959	0.000	
540	7.284	1.483	0.000	1.567	7.133	1.576	0.000	1.713	6.635	1.447	0.000	1.498	7.862	2.153	0.000	2.176	12.835	3.116	0.000	3.375	12.488	3.956	0.000	3.246	19.151	7.444	0.000	3.668	30.057	20.371	0.000	12.248	0.000	0.000	0.000	21.988	7.217	0.000	
600	7.682	1.536	0.000	1.625	7.523	1.632	0.000	1.778	6.998	1.500	0.000	1.554	8.291	2.231	0.000	2.256	13.537	3.226	0.000	3.505	13.170	4.094	0.000	3.358	20.198	7.699	0.000	3.819	31.701	21.069	0.000	12.713	0.000	0.000	0.000	23.190	7.464	0.000	
660	8.080	1.587	0.000	1.681	7.913	1.686	0.000	1.841	7.361	1.552	0.000	1.609	8.721	2.306	0.000	2.335	14.238	3.331	0.000	3.631	13.853	4.225	0.000	3.467	21.245	7.944	0.000	3.966	33.344	21.739	0.000	13.164	0.000	0.000	0.000	24.392	7.701	0.000	
720	8.478	1.636	0.000	1.736	8.303	1.738	0.000	1.902	7.723	1.601	0.000	1.662	9.151	2.379	0.000	2.410	14.938	3.433	0.000	3.754	14.536	4.452	0.000	3.571	22.292	8.178	0.000	4.109	34.987	22.380	0.000	13.601	0.000	0.000	0.000	25.594	7.928	0.000	

Pollutant Name: Oxides of Nitrogen Temperature: 60F Relative Humidity: ALL

Time min	Light Duty Autos			Light Duty Truck 1			Light Duty Truck 2			Medium Duty Truck			Light-Heavy Duty Truck 1			Light-Heavy Duty Truck 2			Medium-Heavy Duty Truck			Heavy-Heavy Duty Truck			Line-Haul Vehicles			Urban Buses			Motorcycles			School Buses			Motor Homes		
	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL
5	1.164	0.268	0.000	1.138	0.279	0.000	1.107	0.472	0.000	1.536	0.502	0.000	0.663	0.994	0.000	0.648	1.203	0.000	0.991	1.909	0.000	3.856	5.637	0.000	0.000	0.000	0.000	1.115	2.210	0.000	0.282	0.065	0.000	1.004	1.692	0.000	0.974	1.350	0.000
10	1.266	0.342	0.000	1.237	0.364	0.000	1.204	0.571	0.000	1.670	0.643	0.000	0.721	1.357	0.000	0.704	1.729	0.000	1.077	2.876	0.000	4.192	8.494	0.000	0.000	0.000	0.000	1.212	3.329	0.000	0.307	0.098	0.000	1.091	2.549	0.000	1.058	2.035	0.000
20	1.450	0.470	0.000	1.417	0.514	0.000	1.379	0.744	0.000	1.912	0.891	0.000	0.826	1.996	0.000	0.807	2.653	0.000	1.233	4.575	0.000	4.802	13.511	0.000	0.000	0.000	0.000	1.388	5.296	0.000	0.352	0.155	0.000	1.250	4.055	0.000	1.212	3.236	0.000
30	1.610	0.576	0.000	1.573	0.636	0.000	1.530	0.886	0.000	2.123	1.094	0.000	0.917	2.518	0.000	0.896	3.407	0.000	1.369	5.959	0.000	5.330	17.599	0.000	0.000	0.000	0.000	1.541	6.898	0.000	0.390	0.202	0.000	1.388	5.282	0.000	1.346	4.215	0.000
40	1.745	0.658	0.000	1.705	0.732	0.000	1.659	0.998	0.000	2.301	1.253	0.000	0.994	2.923	0.000	0.971	3.990	0.000	1.484	7.029	0.000	5.778	20.758	0.000	0.000	0.000	0.000	1.671	8.136	0.000	0.423	0.239	0.000	1.504	6.230	0.000	1.459	4.972	0.000
50	1.855	0.718	0.000	1.813	0.800	0.000	1.764	1.080	0.000	2.447	1.367	0.000	1.057	3.211	0.000	1.032	4.403	0.000	1.578	7.784	0.000	6.143	22.988	0.000	0.000	0.000	0.000	1.776	9.010	0.000	0.450	0.264	0.000	1.600	6.900	0.000	1.551	5.506	0.000
60	1.941	0.754	0.000	1.896	0.841	0.000	1.845	1.130	0.000	2.560	1.436	0.000	1.106	3.383	0.000	1.080	4.647	0.000	1.651	8.224	0.000	6.427	24.289	0.000	0.000	0.000	0.000	1.859	9.520	0.000	0.471	0.279	0.000	1.674	7.290	0.000	1.623	5.818	0.000
120	1.986	0.777	0.000	1.941	0.870	0.000	1.889	1.180	0.000	2.620	1.486	0.000	1.132	3.467	0.000	1.106	4.736	0.000	1.690	8.350	0.000	6.579	24.655	0.000	0.000	0.000	0.000	1.902	9.664	0.000	0.482	0.283	0.000	1.713	7.402	0.000	1.661	5.911	0.000
180	1.939	0.802	0.000	1.895	0.891	0.000	1.844	1.216	0.000	2.557	1.526	0.000	1.105	3.459	0.000	1.079	4.721	0.000	1.649	8.319	0.000	6.421	24.564	0.000	0.000	0.000	0.000	1.857	9.629	0.000	0.470	0.283	0.000	1.672	7.374	0.000	1.621	5.890	0.000
240	1.876	0.797	0.000	1.833	0.886	0.000	1.784	1.208	0.000	2.475	1.517	0.000	1.069	3.438	0.000	1.044	4.694	0.000	1.596	8.272	0.000	6.213	24.426	0.000	0.000	0.000	0.000	1.797	9.575	0.000	0.455	0.281	0.000	1.618	7.333	0.000	1.569	5.857	0.000
300	1.798	0.790	0.000	1.757	0.878	0.000	1.710	1.197	0.000	2.371	1.503	0.000	1.024	3.410	0.000	1.001	4.657	0.000	1.529	8.209	0.000	5.954	24.239	0.000	0.000	0.000	0.000	1.722	9.502	0.000	0.436	0.279	0.000	1.550	7.277	0.000	1.503	5.812	0.000
360	1.704	0.781	0.000	1.665	0.868	0.000	1.621	1.181	0.000	2.248	1.486	0.000	0.971	3.373	0.000	0.949	4.610	0.000	1.450	8.130	0.000	5.644	24.005	0.000	0.000	0.000	0.000	1.632	9.410	0.000	0.413	0.276	0.000	1.470	7.207	0.000	1.425	5.756	0.000
420	1.595	0.769	0.000	0.779	1.559	0.856	0.000	0.865	1.517	1.162	0.000	1.155	2.104	1.464	0.000	1.433	0.909	3.328	0.000	3.031	0.888	4.552	0.000	3.728	1.357	8.034	0.000	2.736	5.284	23.723	0.000	12.066	0.000	0.000	0.000	0.000	1.528	9.299	0.000
480	1.471	0.755	0.000	0.763	1.438	0.841	0.000	0.848	1.399	1.139	0.000	1.131	1.940	1.438	0.000	1.405	0.838	3.275	0.000	2.981	0.819	4.485	0.000	3.673	1.252	7.923	0.000	2.692	4.872	23.394	0.000	11.873	0.000	0.000	0.000	0.000	1.409	9.170	0.000
540	1.332	0.739	0.000	0.745	1.301	0.824	0.000	0.827	1.266	1.112	0.000	1.103	1.756	1.408	0.000	1.374	0.759	3.214	0.000	2.922	0.741	4.408	0.000	3.609	1.133	7.795	0.000	2.643	4.410	23.016	0.000	11.653	0.000	0.000	0.000	0.000	1.275	9.022	0.000
600	1.177	0.721	0.000	0.725	1.150	0.805	0.000	0.805	1.119	1.081	0.000	1.071	1.552	1.374	0.000	1.338	0.670	3.145	0.000	2.856	0.655	4.320	0.000	3.538	1.001	7.651	0.000	2.587	3.896	22.591	0.000	11.405	0.000	0.000	0.000	0.000	1.127	8.855	0.000
660	1.006	0.701	0.000	0.703	0.983	0.783	0.000	0.779	0.957	1.046	0.000	1.035	1.327	1.335	0.000	1.298	0.573	3.067	0.000	2.782	0.560	4.223	0.000	3.458	0.856	7.490	0.000	2.525	3.332	22.118	0.000	11.131	0.000	0.000	0.000	0.000	0.964	8.670	0.000
720	0.820	0.678	0.000	0.677	0.802	0.759	0.000	0.751	0.780	1.008	0.000	0.995	1.082	1.293	0.000	1.254	0.467	2.982	0.000	2.700	0.457	4.116	0.000	3.370	0.698	7.314	0.000	2.457	2.717	21.596	0.000	10.829	0.000	0.000	0.000	0.000	0.786	8.466	0.000

Pollutant Name: Carbon Dioxide Temperature: 60F Relative Humidity: ALL

min	Light Duty Autos				Light Duty Truck 1				Light Duty Truck 2				Medium Duty Truck				Light-Heavy Duty Truck 1				Light-Heavy Duty Truck 2				Medium-Heavy Duty Truck				Heavy-Heavy Duty Truck				Line-Haul Vehicles				Urban Buses				Motorcycles				School Buses				Motor Homes			
	NCAT	CAT	DSL		NCAT	CAT	DSL		NCAT	CAT	DSL		NCAT	CAT	DSL		NCAT	CAT	DSL		NCAT	CAT	DSL		NCAT	CAT	DSL		NCAT	CAT	DSL		NCAT	CAT	DSL		NCAT	CAT	DSL		NCAT	CAT	DSL									
5	111.902	8.378	0.000		112.188	9.892	0.000		112.303	11.394	0.000		128.834	13.475	0.000		170.666	12.816	0.000		170.667	11.493	0.000		170.667	9.546	0.000		170.667	9.546	0.000		0.000	0.000	0.000		170.667	9.546	0.000		33.596	1.835	0.000		170.667	9.546	0.000		170.667	9.546	0.000	
10	121.432	11.615	0.000		121.742	13.856	0.000		121.867	14.782	0.000		139.806	19.100	0.000		185.200	21.066	0.000		185.200	20.246	0.000		185.200	19.039	0.000		185.200	19.039	0.000		0.000	0.000	0.000		185.200	19.039	0.000		36.457	3.659	0.000		185.200	19.039	0.000		185.200	19.039	0.000	
20	139.927	18.287	0.000		140.284	22.009	0.000		140.429	21.893	0.000		161.100	30.640	0.000		213.408	37.368	0.000		213.408	37.368	0.000		213.408	37.866	0.000		213.408	37.866	0.000		0.000	0.000	0.000		213.408	37.866	0.000		42.010	7.278	0.000		213.408	37.866	0.000		213.408	37.866	0.000	
30	157.671	25.221	0.000		158.073	30.459	0.000		158.236	29.451	0.000		181.528	42.566	0.000		240.470	54.346	0.000		240.470	55.211	0.000		240.470	56.482	0.000		240.470	56.482	0.000		0.000	0.000	0.000		240.470	56.482	0.000		47.337	10.856	0.000		240.470	56.482	0.000		240.470	56.482	0.000	
40	174.663	32.419	0.000		175.109	39.208	0.000		175.289	37.456	0.000		201.092	54.879	0.000		266.386	71.155	0.000		266.386	72.665	0.000		266.386	74.887	0.000		266.386	74.887	0.000		0.000	0.000	0.000		266.386	74.887	0.000		52.439	14.394	0.000		266.386	74.887	0.000		266.386	74.887	0.000	
50	190.904	39.880	0.000		191.391	48.255	0.000		191.588	45.909	0.000		219.790	67.577	0.000		291.155	88.075	0.000		291.155	90.101	0.000		291.155	93.081	0.000		291.155	93.081	0.000		0.000	0.000	0.000		291.155	93.081	0.000		57.315	17.891	0.000		291.155	93.081	0.000		291.155	93.081	0.000	
60	206.393	47.603	0.000		206.919	57.599	0.000		207.133	54.808	0.000		237.622	80.662	0.000		314.778	105.107	0.000		314.778	107.517	0.000		314.778	111.063	0.000		314.778	111.063	0.000		0.000	0.000	0.000		314.778	111.063	0.000		61.965	21.347	0.000		314.778	111.063	0.000		314.778	111.063	0.000	
120	279.289	92.367	0.000		280.002	111.109	0.000		280.291	110.994	0.000		321.549	154.593	0.000		425.955	188.830	0.000		425.955	188.858	0.000		425.955	188.899	0.000		425.955	188.899	0.000		0.000	0.000	0.000		425.955	188.899	0.000		83.851	36.308	0.000		425.955	188.899	0.000		425.955	188.899	0.000	
180	279.509	107.169	0.000		280.222	129.012	0.000		280.511	128.082	0.000		321.802	179.655	0.000		426.290	221.362	0.000		426.290	222.094	0.000		426.290	223.170	0.000		426.290	223.170	0.000		0.000	0.000	0.000		426.290	223.170	0.000		83.917	42.895	0.000		426.290	223.170	0.000		426.290	223.170	0.000	
240	279.728	121.425	0.000		280.442	146.237	0.000		280.731	144.672	0.000		322.055	203.737	0.000		426.625	252.364	0.000		426.625	253.549	0.000		426.625	255.419	0.000		426.625	255.419	0.000		0.000	0.000	0.000		426.625	255.419	0.000		83.983	49.093	0.000		426.625	255.419	0.000		426.625	255.419	0.000	
300	279.948	135.134	0.000		280.662	162.782	0.000		280.951	160.764	0.000		322.308	226.841	0.000		426.960	281.534	0.000		426.960	283.197	0.000		426.960	285.644	0.000		426.960	285.644	0.000		0.000	0.000	0.000		426.960	285.644	0.000		84.048	54.903	0.000		426.960	285.644	0.000		426.960	285.644	0.000	
360	280.167	148.298	0.000		280.882	178.647	0.000		281.172	176.358	0.000		322.560	248.964	0.000		427.294	309.173	0.000		427.295	311.065	0.000		427.294	313.847	0.000		427.295	313.847	0.000		0.000	0.000	0.000		427.295	313.847	0.000		84.114	60.324	0.000		427.295	313.847	0.000		427.294	313.847	0.000	
420	280.387	160.915	0.000		162.085	281.102	193.834		0.000	193.905	281.392	191.453	0.000	190.675	322.813	270.109	0.000	263.376	427.629	335.181	0.000	320.343	427.629	337.142	0.000	276.267	427.629	340.027	0.000	139.236	427.629	340.027	0.000	198.964	0.000	0.000	0.000	427.629	340.027	0.000		427.629	340.027	0.000		427.629	340.027	0.000				
480	280.606	172.986	0.000		173.919	281.323	208.341	0.000	207.828	281.612	206.051	0.000	204.949	323.066	290.274	0.000	282.694	427.964	359.558	0.000	342.264	427.964	361.430	0.000	296.154	427.964	364.184	0.000	276.267	427.964	364.184	0.000	210.877	0.000	0.000	0.000	427.964	364.184	0.000		427.964	364.184	0.000		427.964	364.184	0.000					
540	280.826	184.511	0.000		185.218	281.543	222.169	0.000	221.100	281.833	220.151	0.000	218.736	323.318	309.459	0.000	301.074	428.299	382.303	0.000	362.719	428.299	383.928	0.000	314.575	428.299	386.319	0.000	154.547	428.299	386.319	0.000	221.794	0.000	0.000	0.000	428.299	386.319	0.000		428.299	386.319	0.000		428.299	386.319	0.000					
600	281.045	195.490	0.000		195.982	281.763	235.318	0.000	233.720	282.053	233.753	0.000	232.035	323.571	327.665	0.000	318.517	428.633	403.418	0.000	381.708	428.633	404.767	0.000	331.532	428.633	406.430	0.000	161.202	428.633	406.430	0.000	231.716	0.000	0.000	0.000	428.633	406.430	0.000		428.633	406.430	0.000		428.633	406.430	0.000					
660	281.265	205.923	0.000		206.210	281.983	247.788	0.000	245.688	282.273	246.857	0.000	244.848	323.824	344.891	0.000	335.020	428.968	422.901	0.000	399.231	428.968	423.556	0.000	347.023	428.968	424.519	0.000	167.190	428.968	424.519	0.000	240.643	0.000	0.000	0.000	428.968	424.519	0.000		428.968	424.519	0.000		428.968	424.519	0.000					
720	281.484	215.809	0.000		215.903	282.203	259.759	0.000	257.005	282.493	259.463	0.000	257.174	324.076	361.138	0.000	350.586	429.303	440.753	0.000	415.289	429.303	440.685	0.000	361.409	429.303	440.586	0.000	172.510	429.303	440.585	0.000	248.574	0.000	0.000	0.000	429.303	440.585	0.000		429.303	440.585	0.000		429.303	440.585	0.000					

Title : Los Angeles County Avg 2005 Winter 60°F
Version : Emfac2002 V2.2 Sept 23 2002
Run Date : 03/20/03 09:56:05
Scen Year: 2005 -- Model Years: 1965 to 2005
Season : Winter
Area : Los Angeles County

Year: 2005 -- Model Years 1965 to 2005 Inclusive -- Winter
Emfac2002 Emission Factors: V2.2 Sept 23 2002

County Average Los Angeles Count County Average

Table 6a: Partial Day Resting Loss Emissions (grams/hour)

Pollutant Name: Reactive Org Gases Temperature: ALL Relative Humidity: ALL

Temp degF	Light Duty Autos			Light Duty Truck 1			Light Duty Truck 2			Medium Duty Truck			Light-Heavy Duty Truck 1			Light-Heavy Duty Truck 2			Medium-Heavy Duty Truck			Heavy-Heavy Duty Truck			Line-Haul Vehicles			Urban Buses			Motorcycles			School Buses			Motor Homes		
	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL
75	0.261	0.035	0.000	0.259	0.044	0.000	0.259	0.028	0.000	0.172	0.037	0.000	0.014	0.002	0.000	0.014	0.002	0.000	0.014	0.003	0.000	0.013	0.004	0.000	0.000	0.000	0.000	0.012	0.002	0.000	0.060	0.140	0.000	0.014	0.004	0.000	0.015	0.006	0.000

Title : Los Angeles County Avg 2005 Winter 60°F
Version : Emfac2002 V2.2 Sept 23 2002
Run Date : 03/20/03 09:56:05
Scen Year: 2005 -- Model Years: 1965 to 2005
Season : Winter
Area : Los Angeles County

Year: 2005 -- Model Years 1965 to 2005 Inclusive -- Winter
Emfac2002 Emission Factors: V2.2 Sept 23 2002

County Average Los Angeles Count County Average

Table 6b: Multi-Day Resting Loss Emissions (grams/hour)

Pollutant Name: Reactive Org Gases Temperature: ALL Relative Humidity: ALL

Temp degF	Light Duty Autos			Light Duty Truck 1			Light Duty Truck 2			Medium Duty Truck			Light-Heavy Duty Truck 1			Light-Heavy Duty Truck 2			Medium-Heavy Duty Truck			Heavy-Heavy Duty Truck			Line-Haul Vehicles			Urban Buses			Motorcycles			School Buses			Motor Homes		
	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL
75	0.017	0.003	0.000	0.016	0.004	0.000	0.016	0.002	0.000	0.011	0.003	0.000	0.001	0.000	0.000	0.001	0.000	0.000	0.001	0.000	0.000	0.001	0.000	0.000	0.000	0.000	0.000	0.003	0.001	0.000	0.004	0.014	0.000	0.001	0.000	0.000	0.001	0.000	0.000

Title : Los Angeles County Avg 2005 Winter 60°F
Version : Emfac2002 V2.2 Sept 23 2002
Run Date : 03/20/03 09:56:05
Scen Year: 2005 -- Model Years: 1965 to 2005
Season : Winter
Area : Los Angeles County

Year: 2005 -- Model Years 1965 to 2005 Inclusive -- Winter
Emfac2002 Emission Factors: V2.2 Sept 23 2002

County Average Los Angeles Count County Average

Table 7: Estimated Travel Fractions

Pollutant Name: Temperature: ALL Relative Humidity: ALL

	Light Duty Autos			Light Duty Truck 1			Light Duty Truck 2			Medium Duty Truck			Light-Heavy Duty Truck 1			Light-Heavy Duty Truck 2			Medium-Heavy Duty Truck			Heavy-Heavy Duty Truck			Line-Haul Vehicles			Urban Buses			Motorcycles			School Buses			Motor Homes		
	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL			
%VMT	0.70%	58.80%	0.20%	0.30%	10.10%	0.10%	0.20%	15.90%	0.20%	0.10%	6.20%	0.20%	0.00%	1.00%	0.20%	0.00%	0.30%	0.20%	0.00%	0.30%	1.10%	0.00%	0.20%	2.60%	0.00%	0.00%	0.00%	0.00%	0.20%	0.30%	0.00%	0.00%	0.00%	0.10%	0.00%	0.30%	0.00%	0.30%	0.00%
%TRIP	0.90%	55.70%	0.20%	0.30%	9.60%	0.10%	0.20%	14.90%	0.20%	0.10%	5.90%	0.20%	0.20%	3.50%	0.20%	0.00%	1.00%	0.20%	0.30%	1.60%	3.00%	0.10%	0.60%	0.50%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
%VEH	1.40%	59.40%	0.30%	0.40%	10.30%	0.10%	0.30%	15.70%	0.20%	0.10%	6.30%	0.20%	0.00%	0.70%	0.10%	0.00%	0.20%	0.10%	0.00%	0.20%	0.70%	0.00%	0.10%	0.70%	0.00%	0.00%	0.00%	0.00%	0.10%	0.10%	1.10%	0.20%	0.00%	0.00%	0.00%	0.10%	0.10%	0.80%	0.00%

Title : Los Angeles County Avg 2008 Winter 60°F
Version : Emfac2002 V2.2 Sept 23 2002
Run Date : 03/20/03 09:48:53
Scen Year: 2008 -- Model Years: 1965 to 2008
Season : Winter
Area : Los Angeles County

Year: 2008 -- Model Years 1965 to 2008 Inclusive -- Winter
Emfac2002 Emission Factors: V2.2 Sept 23 2002

County Average Los Angeles Count County Average

Table 1: Running Exhaust Emissions (grams / mile)

Pollutant Name: Reactive Org Gases Temperature: 60F Relative Humidity: 70%

Speed MPH	Light Duty Autos			Light Duty Truck 1			Light Duty Truck 2			Medium Duty Truck			Light-Heavy Duty Truck 1			Light-Heavy Duty Truck 2			Medium-Heavy Duty Truck			Heavy-Heavy Duty Truck			Line-Haul Vehicles			Urban Buses			Motorcycles			School Buses			Motor Homes			Total All
	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL				
5	19.789	0.485	0.782	20.068	0.696	0.426	19.586	0.564	0.290	22.403	0.882	0.258	21.318	0.550	0.723	20.901	0.986	0.892	31.860	2.963	0.837	85.134	18.772	1.652	0.000	0.000	0.000	37.737	8.742	2.879	6.172	3.516	0.000	31.948	5.810	1.003	31.436	2.768	0.401	0.83
10	14.064	0.315	0.614	14.262	0.466	0.334	13.919	0.371	0.228	15.925	0.583	0.202	13.934	0.357	0.568	13.661	0.638	0.701	20.842	1.920	0.657	55.749	12.267	1.297	0.000	0.000	0.000	24.692	5.714	2.089	4.855	2.633	0.000	20.899	3.782	0.788	20.564	1.799	0.315	0.57
15	10.455	0.214	0.492	10.603	0.326	0.268	10.348	0.255	0.183	11.842	0.404	0.162	9.486	0.242	0.456	9.299	0.431	0.562	14.203	1.293	0.527	38.045	8.348	1.041	0.000	0.000	0.000	16.833	3.891	1.569	3.996	2.074	0.000	14.243	2.561	0.632	14.014	1.216	0.253	0.40
20	8.131	0.154	0.404	8.247	0.239	0.220	8.048	0.184	0.150	9.213	0.294	0.133	6.725	0.171	0.374	6.592	0.303	0.461	10.084	0.904	0.432	27.058	5.916	0.854	0.000	0.000	0.000	11.956	2.762	1.221	3.443	1.721	0.000	10.112	1.805	0.519	9.949	0.855	0.207	0.30
25	6.618	0.116	0.339	6.712	0.184	0.184	6.549	0.141	0.126	7.500	0.224	0.112	4.966	0.126	0.313	4.867	0.221	0.387	7.458	0.658	0.363	20.054	4.367	0.716	0.000	0.000	0.000	8.847	2.042	0.984	3.107	1.504	0.000	7.479	1.324	0.435	7.358	0.626	0.174	0.24
30	5.637	0.092	0.290	5.718	0.149	0.158	5.579	0.113	0.108	6.391	0.179	0.096	3.820	0.096	0.269	3.744	0.168	0.332	5.747	0.498	0.311	15.491	3.358	0.614	0.000	0.000	0.000	6.822	1.573	0.821	2.938	1.385	0.000	5.763	1.011	0.373	5.670	0.477	0.149	0.19
35	5.027	0.077	0.255	5.099	0.126	0.139	4.975	0.095	0.094	5.701	0.151	0.084	3.062	0.077	0.235	3.000	0.133	0.291	4.616	0.393	0.272	12.472	2.691	0.538	0.000	0.000	0.000	5.482	1.263	0.709	2.910	1.344	0.000	4.629	0.806	0.327	4.553	0.379	0.131	0.17
40	4.694	0.068	0.228	4.762	0.112	0.124	4.646	0.084	0.085	5.324	0.133	0.075	2.559	0.064	0.211	2.507	0.110	0.260	3.864	0.324	0.244	10.467	2.248	0.482	0.000	0.000	0.000	4.592	1.057	0.635	3.022	1.376	0.000	3.875	0.670	0.293	3.812	0.314	0.117	0.15
45	4.592	0.064	0.209	4.658	0.105	0.114	4.544	0.079	0.078	5.208	0.124	0.069	2.230	0.055	0.193	2.185	0.095	0.238	3.374	0.280	0.224	9.158	1.959	0.441	0.000	0.000	0.000	4.012	0.923	0.588	3.287	1.484	0.000	3.383	0.581	0.268	3.328	0.272	0.107	0.14
50	4.704	0.062	0.195	4.772	0.103	0.106	4.655	0.077	0.073	5.335	0.122	0.064	2.029	0.050	0.181	1.988	0.086	0.223	3.073	0.253	0.209	8.355	1.782	0.413	0.000	0.000	0.000	3.655	0.841	0.565	3.746	1.685	0.000	3.082	0.528	0.251	3.031	0.247	0.100	0.14
55	5.047	0.064	0.187	5.120	0.106	0.102	4.995	0.080	0.069	5.724	0.126	0.062	1.927	0.048	0.173	1.888	0.081	0.214	2.921	0.239	0.200	7.949	1.693	0.395	0.000	0.000	0.000	3.475	0.799	0.561	4.470	2.014	0.000	2.929	0.500	0.240	2.881	0.234	0.096	0.15
60	5.671	0.070	0.183	5.752	0.116	0.100	5.613	0.087	0.068	6.430	0.137	0.060	1.912	0.047	0.169	1.873	0.081	0.209	2.898	0.237	0.196	7.887	1.679	0.387	0.000	0.000	0.000	3.448	0.793	0.578	5.582	2.530	0.000	2.906	0.496	0.235	2.858	0.232	0.094	0.16
65	6.671	0.081	0.183	6.767	0.132	0.100	6.603	0.100	0.068	7.561	0.157	0.060	1.980	0.049	0.169	1.940	0.084	0.209	3.000	0.246	0.196	8.161	1.739	0.387	0.000	0.000	0.000	3.569	0.821	0.616	7.294	3.338	0.000	3.009	0.514	0.235	2.959	0.240	0.094	0.19

Pollutant Name: Carbon Monoxide Temperature: 60F Relative Humidity: 70%

Speed MPH	Light Duty Autos			Light Duty Truck 1			Light Duty Truck 2			Medium Duty Truck			Light-Heavy Duty Truck 1			Light-Heavy Duty Truck 2			Medium-Heavy Duty Truck			Heavy-Heavy Duty Truck			Line-Haul Vehicles			Urban Buses			Motorcycles			School Buses			Motor Homes			Total All
	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL				
5	169.628	5.871	3.144	170.911	11.087	2.646	165.560	7.788	2.145	252.578	9.503	2.066	389.628	6.001	3.269	385.352	11.877	3.718	582.730	38.032	7.299	2125.998	185.537	9.525	0.000	0.000	0.000	642.915	52.562	17.161	46.695	19.665	0.000	583.632	70.671	9.085	578.390	61.895	3.846	9.28
10	123.636	5.129	2.168	124.571	9.290	1.824	120.671	6.672	1.479	184.096	8.045	1.425	259.224	3.993	2.254	256.379	7.902	2.564	387.697	25.303	5.033	1414.451	123.440	6.568	0.000	0.000	0.000	427.739	34.970	10.801	38.297	16.687	0.000	388.297	47.018	6.265	384.810	41.179	2.652	7.56
15	94.901	4.545	1.564	95.618	7.978	1.316	92.625	5.830	1.067	141.308	6.968	1.028	182.216	2.807	1.625	180.216	5.555	1.850	272.523	17.786	3.632	994.258	86.770	4.740	0.000	0.000	0.000	300.670	24.582	7.219	33.077	14.709	0.000	272.945	33.050	4.521	270.494	28.946	1.913	6.38
20	76.713	4.075	1.181	77.293	6.996	0.994	74.873	5.177	0.806	114.226	6.151	0.776	135.327	2.084	1.229	133.842	4.125	1.397	202.396	13.209	2.743	738.408	64.441	3.579	0.000	0.000	0.000	223.299	18.256	5.123	30.086	13.442	0.000	202.709	24.546	3.414	200.888	21.498	1.445	5.53
25	65.304	3.692	0.934	65.798	6.249	0.786	63.738	4.663	0.637	97.238	5.520	0.614	106.186	1.636	0.971	105.021	3.237	1.104	158.812	10.365	2.168	579.402	50.565	2.829	0.000	0.000	0.000	175.215	14.325	3.860	28.819	12.729	0.000	159.058	19.260	2.698	157.630	16.868	1.142	4.91
30	58.544	3.377	0.772	58.987	5.677	0.650	57.140	4.254	0.527	87.173	5.029	0.508	88.031	1.356	0.803	87.065	2.684	0.913	131.660	8.593	1.793	480.341	41.920	2.340	0.000	0.000	0.000	145.258	11.876	3.088	29.072	12.505	0.000	131.864	15.967	2.232	130.680	13.984	0.945	4.45
35	55.272	3.117	0.669	55.690	5.244	0.563	53.947	3.929	0.456	82.301	4.648	0.439	77.107	1.188	0.695	76.261	2.351	0.791	115.322	7.527	1.552	420.732	36.718	2.026	0.000	0.000	0.000	127.232	10.402	2.624	30.884	12.777	0.000	115.500	13.986	1.932	114.463	12.249	0.818	4.12
40	54.954	2.905	0.606	55.370	4.927	0.510	53.637	3.676	0.413	81.828	4.361	0.398	71.357	1.099	0.630	70.574	2.175	0.716	106.722	6.965	1.406	389.357	33.979	1.835	0.000	0.000	0.000	117.744	9.626	2.367	34.552	13.630	0.000	106.887	12.943	1.751	105.927	11.336	0.741	3.89
45	57.541	2.733	0.574	57.976	4.715	0.483	56.161	3.487	0.392	85.678	4.159	0.377	69.769	1.075	0.597	69.004	2.127	0.679	104.340	6.810	1.333	380.694	33.223	1.740	0.000	0.000	0.000	115.124	9.412	2.267	40.709	15.250	0.000	104.509	12.655	1.660	103.570	11.083	0.703	3.75
50	63.448	2.601	0.570	63.928	4.608	0.480	61.927	3.360	0.389	94.475	4.042	0.375	72.074	1.110	0.593	71.283	2.197	0.674	107.794	7.035	1.323	393.270	34.321	1.727	0.000	0.000	0.000	118.927	9.723	2.306	50.510	17.979	0.000	107.961	13.073	1.647	106.991	11.499	0.697	3.72
55	73.678	2.509	0.592	74.236	4.616	0.498	71.912	3.301	0.404	109.708	4.018	0.389	78.664	1.212	0.615	77.801	2.398	0.700	109.708	7.679	1.374	429.232	37.459	1.731	0.000	0.000	0.000	129.802	10.612	2.491	65.999	22.424	0.000	117.833	14.268	1.710	116.775	12.496	0.724	3.80
60	90.102	2.462	0.643	90.784	4.769	0.541	87.941	3.322	0.439	134.163	4.110	0.423	90.712	1.397	0.669	89.717	2.765	0.761	135.670	8.855	1.493	494.970	43.196	1.949	0.000	0.000	0.000	149.682	12.237	2.857	90.819	29.668	0.000	135.880	16.453	1.854	134.659	14.410	0.787	4.04
65	116.039	2.470	0.732	116.917	5.120	0.616	113.257	3.452	0.499	172.784	4.361	0.483	110.519	1.702	0.761	99.307	3.369	0.865	165.294	10.788	1.698	603.048	52.628	2.217	0.000	0.000	0.000	182.365	14.909	3.479	131.610	41.692	0.000	165.550	20.046	1.814	164.063	17.557	0.895	4.51

Pollutant Name: Sulfur Dioxide Temperature: 60F Relative Humidity: 70%

Speed MPH	Light Duty Autos			Light Duty Truck 1			Light Duty Truck 2			Medium Duty Truck			Light-Heavy Duty Truck 1			Light-Heavy Duty Truck 2			Medium-Heavy Duty Truck			Heavy-Heavy Duty Truck			Line-Haul Vehicles			Urban Buses			Motorcycles			School Buses			Motor Homes			Total All
	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL				
5	0.016	0.009	0.003	0.016	0.012	0.003	0.016	0.012	0.003	0.020	0.016	0.003	0.031	0.024	0.005	0.031	0.024	0.005	0.035	0.025	0.014	0.061	0.028	0.021	0.000	0.000	0.000	0.036	0.025	0.026	0.003	0.003	0.000	0.035	0.026	0.014	0.035	0.025	0.014	0.01
10	0.012	0.007	0.003	0.012	0.009	0.003	0.012	0.009	0.003	0.015	0.012	0.003	0.021	0.016	0.005	0.021	0.016	0.005	0.023	0.017	0.014	0.041	0.019	0.021	0.000	0.000	0.000	0.024	0.017	0.026	0.003	0.002	0.000	0.023	0.017	0.014	0.023	0.017	0.014	0.01
15	0.010	0.006	0.003	0.010	0.007	0.003	0.010	0.007	0.003	0.012	0.009	0.003	0.015	0.011	0.005	0.015	0.011	0.005	0.016	0.012	0.014	0.029	0.013	0.021	0.000	0.000	0.000	0.017	0.012	0.026	0.002	0.002	0.000	0.016	0.012	0.014	0.016	0.012	0.014	0.01
20	0.008	0.005	0.003	0.008	0.006	0.003	0.008	0.006	0.003	0.009	0.008	0.003	0.011	0.008	0.005	0.011	0.008	0.005	0.012	0.009	0.014	0.021	0.010	0.021	0.000	0.000	0.000	0.012	0.009	0.026	0.002	0.002	0.000	0.012	0.009	0.014	0.012	0.009	0.014	0.01
25	0.007	0.004	0.003	0.007	0.005	0.003	0.007	0.005	0.003	0.008	0.007	0.003	0.008	0.007	0.005	0.008	0.007	0.005	0.009	0.007	0.014	0.017	0.008	0.021	0.000	0.000	0.000	0.010	0.007	0.026	0.002	0.002	0.000	0.009	0.007	0.014	0.009	0.007	0.014	0.01
30	0.006	0.003	0.003	0.006	0.004	0.003	0.006	0.004	0.003	0.007	0.006	0.003	0.007	0.005	0.005	0.007	0.006	0.005	0.008	0.006	0.014	0.014	0.006	0.021	0.000	0.000	0.000	0.008	0.006	0.026	0.002	0.002	0.000	0.008	0.006	0.014	0.008	0.006	0.014	0.00
35	0.005	0.003	0.003	0.005	0.004	0.003	0.005	0.004	0.003	0.006	0.005	0.003	0.006	0.005	0.005	0.006	0.005	0.005	0.007	0.005	0.014	0.012	0.005	0.021	0.000	0.000	0.000	0.007	0.005	0.026	0.002	0.002	0.000	0.007	0.005	0.014	0.007	0.005	0.014	0.00
40	0.005	0.003	0.003	0.005	0.004	0.003	0.005	0.004	0.003	0.006	0.005	0.003	0.006	0.004	0.005	0.006	0.004	0.005	0.006	0.005	0.014	0.011	0.005	0.021	0.000	0.000	0.000	0.006	0.005	0.026	0.002	0.002	0.000	0.006	0.005	0.014	0.006	0.005	0.014	0.00
45	0.005	0.003	0.003	0.005	0.004	0.003	0.005	0.003	0.003	0.006	0.005	0.003	0.006	0.004	0.005	0.005	0.004	0.005	0.006	0.004	0.014	0.011	0.005	0.021	0.000	0.000	0.000	0.006	0.005	0.026	0.002	0.002	0.000	0.006	0.005	0.014	0.006	0.005	0.014	0.00
50	0.005	0.003	0.003	0.005	0.004	0.003	0.005	0.004	0.003	0.006	0.005	0.003	0.006	0.004	0.005	0.006	0.005	0.005	0.006	0.005	0.014	0.011	0.005	0.021	0.000	0.000	0.000	0.006	0.005	0.026	0.002	0.002	0.000	0.006	0.005	0.014	0.006	0.005	0.014	0.00
55	0.006	0.003	0.003	0.006	0.004	0.003	0.005	0.004	0.003	0.007	0.005	0.003	0.006	0.005	0.005	0.006	0.005	0.005	0.007	0.005	0.014	0.012	0.006	0.021	0.000	0.000	0.000	0.007	0.005	0.026	0.002	0.002	0.000	0.007	0.005	0.014	0.007	0.005	0.014	0.00
60	0.006	0.003	0.003	0.006	0.004	0.003	0.006	0.004	0.003	0.008	0.006	0.003	0.007	0.006	0.005	0.007	0.006	0.005	0.008	0.006	0.014	0.014	0.006	0.021	0.000	0.000	0.000	0.008	0.006	0.026	0.003	0.002	0.000	0.008	0.006	0.014	0.008	0.006	0.014	0.00
65	0.007	0.004	0.003	0.007	0.005	0.003	0.007	0.005	0.003	0.009	0.006	0.003	0.009	0.007	0.005	0.009	0.007	0.005	0.010	0.007	0.014	0.016	0.008	0.021	0.000	0.000	0.000	0.010	0.007	0.026	0.003	0.003	0.000	0.010	0.007	0.014	0.010	0.007	0.014	0.01

Pollutant Name: PM10 Temperature: 60F Relative Humidity: 70%

Speed MPH	Light Duty Autos			Light Duty Truck 1			Light Duty Truck 2			Medium Duty Truck			Light-Heavy Duty Truck 1			Light-Heavy Duty Truck 2			Medium-Heavy Duty Truck			Heavy-Heavy Duty Truck			Line-Haul Vehicles			Urban Buses			Motorcycles			School Buses			Motor Homes			Total All
	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL				
5	0.104	0.057	0.446	0.101	0.062	0.210	0.106	0.113	0.153	0.106	0.117	0.135	0.101	0.037	0.135	0.101	0.047	0.176	0.101	0.049	0.788	0.101	0.102	0.729	0.000	0.000	0.000	0.101	0.085	1.027	0.080	0.005	0.000	0.101	0.053	1.038	0.101	0.018	0.617	0.10
10	0.074	0.038	0.350	0.072	0.042	0.165	0.075	0.074	0.120	0.075	0.078	0.106	0.066	0.024	0.106	0.066	0.031	0.138	0.066	0.032	0.618	0.066	0.067	0.572	0.000	0.000	0.000	0.066	0.055	0.745	0.063	0.004	0.000	0.066	0.035	0.815	0.066	0.012	0.484	0.07
15	0.055	0.026	0.281	0.054	0.029	0.132	0.056	0.052	0.096	0.056	0.055	0.085	0.045	0.017	0.085	0.045	0.021	0.111	0.045	0.022	0.496	0.045	0.046	0.459	0.000	0.000	0.000	0.045	0.038	0.560	0.052	0.003	0.000	0.045	0.024	0.654	0.045	0.008	0.389	0.05
20	0.043	0.019	0.231	0.042	0.022	0.109	0.044	0.038	0.079	0.044	0.040	0.070	0.032	0.012	0.070	0.032	0.015	0.091	0.032	0.016	0.407	0.032	0.033	0.377	0.000	0.000	0.000	0.032	0.027	0.435	0.045	0.003	0.000	0.032	0.017	0.536	0.032	0.006	0.319	0.04
25	0.035	0.015	0.193	0.034	0.017	0.091	0.036	0.029	0.066	0.036	0.031	0.059	0.024	0.009	0.059	0.024	0.011	0.076	0.024	0.012	0.341	0.024	0.024	0.316	0.000	0.000	0.000	0.024	0.020	0.351	0.041	0.002	0.000	0.024	0.013	0.450	0.024	0.004	0.267	0.03
30	0.030	0.012	0.166	0.029	0.014	0.078	0.030	0.023	0.057	0.031	0.025	0.050	0.019	0.007	0.050	0.019	0.009	0.065	0.019	0.009	0.293	0.019	0.019	0.271	0.000	0.000	0.000	0.019	0.015	0.293	0.039	0.002	0.000	0.019	0.010	0.386	0.019	0.003	0.229	0.03
35	0.027	0.010	0.145	0.026	0.012	0.068	0.027	0.020	0.050	0.027	0.022	0.044	0.015	0.005	0.044	0.015	0.007	0.057	0.015	0.007	0.257	0.015	0.015	0.237	0.000	0.000	0.000	0.015	0.012	0.253	0.038	0.002	0.000	0.015	0.008	0.338	0.015	0.003	0.201	0.02
40	0.025	0.009	0.130	0.024	0.010	0.061	0.025	0.018	0.045	0.026	0.019	0.039	0.013	0.005	0.040	0.013	0.006	0.051	0.013	0.006	0.230	0.013	0.013	0.213	0.000	0.000	0.000	0.013	0.010	0.226	0.040	0.002	0.000	0.013	0.007	0.303	0.013	0.002	0.180	0.02
45	0.024	0.008	0.119	0.024	0.010	0.056	0.025	0.017	0.041	0.025	0.018	0.036	0.011	0.004	0.036	0.011	0.005	0.047	0.011	0.005	0.210	0.011	0.011	0.195	0.000	0.000	0.000	0.011	0.009	0.210	0.043	0.002	0.000	0.011	0.006	0.277	0.011	0.002	0.165	0.02
50	0.025	0.008	0.112	0.024	0.010	0.053	0.025	0.016	0.038	0.026	0.018	0.034	0.010	0.004	0.034	0.010	0.005	0.044	0.010	0.005	0.197	0.010	0.010	0.182	0.000	0.000	0.000	0.010	0.008	0.201	0.049	0.003	0.000	0.010	0.005	0.260	0.010	0.002	0.154	0.02
55	0.027	0.009	0.107	0.026	0.010	0.050	0.027	0.017	0.037	0.027	0.018	0.032	0.010	0.004	0.032	0.010	0.004	0.042	0.010	0.005	0.189	0.010	0.010	0.174	0.000	0.000	0.000	0.010	0.008	0.200	0.058	0.003	0.000	0.010	0.005	0.248	0.010	0.002	0.148	0.02
60	0.030	0.009	0.104	0.029	0.011	0.049	0.031	0.018	0.036	0.031	0.020	0.032	0.009	0.003	0.032	0.009	0.004	0.041	0.009	0.005	0.184	0.009	0.010	0.171	0.000	0.000	0.000	0.009	0.008	0.206	0.073	0.004	0.000	0.009	0.005	0.243	0.009	0.002	0.144	0.02
65	0.035	0.011	0.104	0.034	0.012	0.049	0.036	0.021	0.036	0.036	0.022	0.032	0.010	0.004	0.032	0.010	0.005	0.041	0.010	0.005	0.184	0.010	0.010	0.171	0.000	0.000	0.000	0.010	0.008	0.220	0.095	0.005	0.000	0.010	0.005	0.243	0.010	0.002	0.144	0.02

Pollutant Name: PM10 - Tire Wear Temperature: 60F Relative Humidity: 70%</

Pollutant Name: Gasoline - mi / gal Temperature: 60F Relative Humidity: 70%

Speed MPH	Light Duty Autos			Light Duty Truck 1			Light Duty Truck 2			Medium Duty Truck			Light-Heavy Duty Truck 1			Light-Heavy Duty Truck 2			Medium-Heavy Duty Truck			Heavy-Heavy Duty Truck			Line-Haul Vehicles			Urban Buses			Motorcycles			School Buses			Motor Homes			Total All
	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL				
5	5.194	9.032	0.000	5.172	7.348	0.000	5.203	7.374	0.000	4.302	5.342	0.000	2.718	3.507	0.000	2.725	3.491	0.000	2.441	3.418	0.000	1.386	3.030	0.000	0.000	0.000	0.000	2.355	3.342	0.000	26.226	28.736	0.000	2.439	3.329	0.000	2.447	3.371	0.000	7.76
10	6.942	11.940	0.000	6.912	9.712	0.000	6.952	9.748	0.000	5.755	7.064	0.000	4.087	5.272	0.000	4.099	5.247	0.000	3.671	5.138	0.000	2.086	4.558	0.000	0.000	0.000	0.000	3.543	5.025	0.000	31.215	34.512	0.000	3.670	5.005	0.000	3.681	5.067	0.000	10.26
15	8.911	15.207	0.000	8.873	12.368	0.000	8.923	12.416	0.000	7.392	9.000	0.000	5.821	7.500	0.000	5.838	7.464	0.000	5.231	7.311	0.000	2.975	6.491	0.000	0.000	0.000	0.000	5.050	7.152	0.000	36.167	40.200	0.000	5.228	7.123	0.000	5.245	7.210	0.000	13.08
20	10.989	18.663	0.000	10.943	15.177	0.000	11.004	15.238	0.000	9.117	11.048	0.000	7.851	10.099	0.000	7.873	10.052	0.000	7.059	9.847	0.000	4.019	8.755	0.000	0.000	0.000	0.000	6.817	9.638	0.000	40.806	45.451	0.000	7.056	9.596	0.000	7.078	9.711	0.000	16.06
25	13.021	22.072	0.000	12.966	17.948	0.000	13.038	18.023	0.000	10.798	13.070	0.000	10.026	12.871	0.000	10.054	12.812	0.000	9.022	12.554	0.000	5.144	11.180	0.000	0.000	0.000	0.000	8.715	12.296	0.000	44.818	49.888	0.000	9.017	12.238	0.000	9.045	12.381	0.000	19.00
30	14.823	25.160	0.000	14.761	20.456	0.000	14.844	20.544	0.000	12.281	14.900	0.000	12.123	15.527	0.000	12.157	15.457	0.000	10.918	15.150	0.000	6.236	13.518	0.000	0.000	0.000	0.000	10.552	14.850	0.000	47.858	53.136	0.000	10.912	14.774	0.000	10.945	14.940	0.000	21.66
35	16.212	27.642	0.000	16.143	22.473	0.000	16.236	22.570	0.000	13.413	16.370	0.000	13.878	17.728	0.000	13.916	17.649	0.000	12.510	17.305	0.000	7.159	15.474	0.000	0.000	0.000	0.000	12.097	16.977	0.000	49.583	54.863	0.000	12.503	16.883	0.000	12.540	17.064	0.000	23.80
40	17.030	29.272	0.000	16.958	23.796	0.000	17.059	23.899	0.000	14.062	17.333	0.000	15.040	19.159	0.000	15.079	19.075	0.000	13.570	18.709	0.000	7.781	16.768	0.000	0.000	0.000	0.000	13.129	18.372	0.000	49.682	54.821	0.000	13.563	18.261	0.000	13.603	18.448	0.000	25.20
45	17.178	29.877	0.000	17.105	24.285	0.000	17.211	24.391	0.000	14.148	17.687	0.000	15.427	19.597	0.000	15.467	19.513	0.000	13.934	19.144	0.000	8.007	17.199	0.000	0.000	0.000	0.000	13.490	18.818	0.000	47.943	52.898	0.000	13.927	18.694	0.000	13.967	18.876	0.000	25.71
50	16.632	29.390	0.000	16.560	23.887	0.000	16.669	23.990	0.000	13.654	17.393	0.000	14.978	18.972	0.000	15.017	18.892	0.000	13.543	18.542	0.000	7.799	16.698	0.000	0.000	0.000	0.000	13.118	18.243	0.000	44.317	49.154	0.000	13.536	18.115	0.000	13.574	18.281	0.000	25.28
55	15.447	27.861	0.000	15.379	22.641	0.000	15.488	22.738	0.000	12.631	16.481	0.000	13.763	17.385	0.000	13.798	17.312	0.000	12.457	16.997	0.000	7.188	15.342	0.000	0.000	0.000	0.000	12.073	16.739	0.000	38.996	43.844	0.000	12.451	16.613	0.000	12.485	16.758	0.000	23.94
60	13.753	25.450	0.000	13.691	20.677	0.000	13.796	20.766	0.000	11.191	15.047	0.000	11.968	15.077	0.000	11.998	15.016	0.000	10.843	14.747	0.000	6.270	13.341	0.000	0.000	0.000	0.000	10.515	14.536	0.000	32.446	37.409	0.000	10.838	14.420	0.000	10.867	14.539	0.000	21.83
65	11.727	22.399	0.000	11.674	18.192	0.000	11.771	18.272	0.000	9.488	13.236	0.000	9.849	12.376	0.000	9.873	12.326	0.000	8.931	12.109	0.000	5.174	10.978	0.000	0.000	0.000	0.000	8.665	11.946	0.000	25.366	30.420	0.000	8.927	11.846	0.000	8.950	11.938	0.000	19.18

Pollutant Name: Diesel - mi / gal Temperature: 60F Relative Humidity: 70%

Speed MPH	Light Duty Autos			Light Duty Truck 1			Light Duty Truck 2			Medium Duty Truck			Light-Heavy Duty Truck 1			Light-Heavy Duty Truck 2			Medium-Heavy Duty Truck			Heavy-Heavy Duty Truck			Line-Haul Vehicles			Urban Buses			Motorcycles			School Buses			Motor Homes			Total All
	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL				
5	0.000	0.000	27.539	0.000	0.000	28.907	0.000	0.000	29.005	0.000	0.000	29.075	0.000	0.000	19.330	0.000	0.000	18.921	0.000	0.000	6.698	0.000	0.000	4.646	0.000	0.000	0.000	0.000	0.000	3.633	0.000	0.000	0.000	0.000	0.000	6.698	0.000	0.000	6.698	0.45
10	0.000	0.000	27.539	0.000	0.000	28.907	0.000	0.000	29.005	0.000	0.000	29.075	0.000	0.000	19.330	0.000	0.000	18.921	0.000	0.000	6.698	0.000	0.000	4.646	0.000	0.000	0.000	0.000	0.000	3.633	0.000	0.000	0.000	0.000	0.000	6.698	0.000	0.000	6.698	0.45
15	0.000	0.000	27.539	0.000	0.000	28.907	0.000	0.000	29.005	0.000	0.000	29.075	0.000	0.000	19.330	0.000	0.000	18.921	0.000	0.000	6.698	0.000	0.000	4.646	0.000	0.000	0.000	0.000	0.000	3.633	0.000	0.000	0.000	0.000	0.000	6.698	0.000	0.000	6.698	0.45
20	0.000	0.000	27.539	0.000	0.000	28.907	0.000	0.000	29.005	0.000	0.000	29.075	0.000	0.000	19.330	0.000	0.000	18.921	0.000	0.000	6.698	0.000	0.000	4.646	0.000	0.000	0.000	0.000	0.000	3.633	0.000	0.000	0.000	0.000	0.000	6.698	0.000	0.000	6.698	0.45
25	0.000	0.000	27.539	0.000	0.000	28.907	0.000	0.000	29.005	0.000	0.000	29.075	0.000	0.000	19.330	0.000	0.000	18.921	0.000	0.000	6.698	0.000	0.000	4.646	0.000	0.000	0.000	0.000	0.000	3.633	0.000	0.000	0.000	0.000	0.000	6.698	0.000	0.000	6.698	0.45
30	0.000	0.000	27.539	0.000	0.000	28.907	0.000	0.000	29.005	0.000	0.000	29.075	0.000	0.000	19.330	0.000	0.000	18.921	0.000	0.000	6.698	0.000	0.000	4.646	0.000	0.000	0.000	0.000	0.000	3.633	0.000	0.000	0.000	0.000	0.000	6.698	0.000	0.000	6.698	0.45
35	0.000	0.000	27.539	0.000	0.000	28.907	0.000	0.000	29.005	0.000	0.000	29.075	0.000	0.000	19.330	0.000	0.000	18.921	0.000	0.000	6.698	0.000	0.000	4.646	0.000	0.000	0.000	0.000	0.000	3.633	0.000	0.000	0.000	0.000	0.000	6.698	0.000	0.000	6.698	0.45
40	0.000	0.000	27.539	0.000	0.000	28.907	0.000	0.000	29.005	0.000	0.000	29.075	0.000	0.000	19.330	0.000	0.000	18.921	0.000	0.000	6.698	0.000	0.000	4.646	0.000	0.000	0.000	0.000	0.000	3.633	0.000	0.000	0.000	0.000	0.000	6.698	0.000	0.000	6.698	0.45
45	0.000	0.000	27.539	0.000	0.000	28.907	0.000	0.000	29.005	0.000	0.000	29.075	0.000	0.000	19.330	0.000	0.000	18.921	0.000	0.000	6.698	0.000	0.000	4.646	0.000	0.000	0.000	0.000	0.000	3.633	0.000	0.000	0.000	0.000	0.000	6.698	0.000	0.000	6.698	0.45
50	0.000	0.000	27.539	0.000	0.000	28.907	0.000	0.000	29.005	0.000	0.000	29.075	0.000	0.000	19.330	0.000	0.000	18.921	0.000	0.000	6.698	0.000	0.000	4.646	0.000	0.000	0.000	0.000	0.000	3.633	0.000	0.000	0.000	0.000	0.000	6.698	0.000	0.000	6.698	0.45
55	0.000	0.000	27.539	0.000	0.000	28.907	0.000	0.000	29.005	0.000	0.000	29.075	0.000	0.000	19.330	0.000	0.000	18.921	0.000	0.000	6.698	0.000	0.000	4.646	0.000	0.000	0.000	0.000	0.000	3.633	0.000	0.000	0.000	0.000	0.000	6.698	0.000	0.000	6.698	0.45
60	0.000	0.000	27.539	0.000	0.000	28.907	0.000	0.000	29.005	0.000	0.000	29.075	0.000	0.000	19.330	0.000	0.000	18.921	0.000	0.000	6.698	0.000	0.000	4.646	0.000	0.000	0.000	0.000	0.000	3.633	0.000	0.000	0.000	0.000	0.000	6.698	0.000	0.000	6.698	0.45
65	0.000	0.000	27.539	0.000	0.000	28.907	0.000	0.000	29.005	0.000	0.000	29.075	0.000	0.000	19.330	0.000	0.000	18.921	0.000	0.000	6.698	0.000	0.000	4.646	0.000	0.000	0.000	0.000	0.000	3.633	0.000	0.000	0.000	0.000	0.000	6.698	0.000	0.000	6.698	0.45

Pollutant Name: Carbon Monoxide Temperature: 60F Relative Humidity: ALL

Time min	Light Duty Autos			Light Duty Truck 1			Light Duty Truck 2			Medium Duty Truck			Light-Heavy Duty Truck 1			Light-Heavy Duty Truck 2			Medium-Heavy Duty Truck			Heavy-Heavy Duty Truck			Line-Haul Vehicles			Urban Buses			Motorcycles			School Buses			Motor Homes			Total All
	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	
5	24.111	1.111	0.000	24.359	1.553	0.000	23.674	1.211	0.000	37.065	1.733	0.000	43.735	2.875	0.000	43.246	4.052	0.000	65.406	11.424	0.000	247.622	28.277	0.000	0.000	0.000	0.000	72.150	10.311	0.000	6.478	2.583	0.000	65.487	11.482	0.000	64.910	10.736	0.000	1.51
10	21.350	2.182	0.000	21.570	3.047	0.000	20.964	2.380	0.000	32.822	3.400	0.000	38.728	5.640	0.000	38.295	7.944	0.000	57.919	22.384	0.000	219.275	55.406	0.000	0.000	0.000	0.000	63.891	20.203	0.000	5.737	5.060	0.000	57.990	22.497	0.000	57.479	21.037	0.000	2.71
20	16.481	4.201	0.000	16.651	5.857	0.000	16.183	4.586	0.000	25.336	6.538	0.000	29.896	10.844	0.000	29.561	15.249	0.000	44.710	42.912	0.000	169.268	106.215	0.000	0.000	0.000	0.000	49.320	38.730	0.000	4.428	9.701	0.000	44.765	43.127	0.000	44.371	40.329	0.000	4.97
30	12.480	6.057	0.000	12.609	8.430	0.000	12.254	6.620	0.000	19.186	9.414	0.000	22.638	15.611	0.000	22.385	21.915	0.000	33.856	61.583	0.000	128.176	152.429	0.000	0.000	0.000	0.000	37.347	55.581	0.000	3.353	13.922	0.000	33.898	61.892	0.000	33.599	57.875	0.000	7.04
40	9.347	7.750	0.000	9.444	10.766	0.000	9.178	8.482	0.000	14.369	12.028	0.000	16.955	19.941	0.000	16.766	27.941	0.000	25.357	78.397	0.000	96.000	194.047	0.000	0.000	0.000	0.000	27.972	70.756	0.000	2.511	17.723	0.000	25.388	78.791	0.000	25.165	73.677	0.000	8.94
50	7.082	9.280	0.000	7.155	12.865	0.000	6.954	10.170	0.000	10.888	14.380	0.000	12.847	23.835	0.000	12.703	33.329	0.000	19.213	93.354	0.000	72.739	231.070	0.000	0.000	0.000	0.000	21.194	84.256	0.000	1.903	21.104	0.000	19.237	93.823	0.000	19.067	87.734	0.000	10.66
60	5.686	10.646	0.000	5.744	14.728	0.000	5.583	11.686	0.000	8.741	16.471	0.000	10.313	27.292	0.000	10.198	38.077	0.000	15.424	106.454	0.000	58.394	263.496	0.000	0.000	0.000	0.000	17.014	96.080	0.000	1.528	24.066	0.000	15.443	106.989	0.000	15.307	100.046	0.000	12.19
120	18.179	13.540	0.000	18.366	16.790	0.000	17.850	14.730	0.000	27.946	19.754	0.000	32.975	24.588	0.000	32.607	33.579	0.000	49.315	83.633	0.000	186.704	212.256	0.000	0.000	0.000	0.000	54.400	74.898	0.000	4.884	19.743	0.000	49.376	83.200	0.000	48.941	66.500	0.000	14.62
180	28.724	10.011	0.000	29.020	13.394	0.000	28.204	11.117	0.000	44.157	15.141	0.000	52.104	23.187	0.000	51.521	33.218	0.000	77.922	86.078	0.000	295.006	218.461	0.000	0.000	0.000	0.000	85.957	77.087	0.000	7.718	16.292	0.000	78.018	85.632	0.000	77.331	68.444	0.000	11.44
240	38.152	10.476	0.000	38.545	13.939	0.000	37.461	11.678	0.000	58.650	15.776	0.000	69.205	24.159	0.000	68.431	34.377	0.000	103.497	88.603	0.000	391.831	224.871	0.000	0.000	0.000	0.000	114.168	79.349	0.000	10.251	16.770	0.000	103.625	88.144	0.000	102.712	70.452	0.000	12.03
300	46.462	10.917	0.000	46.940	14.466	0.000	45.621	12.203	0.000	71.425	16.389	0.000	84.278	25.096	0.000	83.336	35.532	0.000	126.041	91.209	0.000	477.177	231.484	0.000	0.000	0.000	0.000	139.036	81.682	0.000	12.484	17.263	0.000	126.196	90.737	0.000	125.084	72.524	0.000	12.59
360	53.654	11.333	0.000	54.206	14.977	0.000	52.683	12.693	0.000	82.482	16.978	0.000	97.325	25.997	0.000	96.236	36.681	0.000	145.552	93.896	0.000	551.045	238.303	0.000	0.000	0.000	0.000	160.559	84.088	0.000	14.416	17.772	0.000	145.731	93.410	0.000	144.447	74.661	0.000	13.11
420	59.729	11.726	0.000	12.178	60.344	15.470	0.000	16.172	58.648	13.147	0.000	13.414	91.820	17.543	0.000	17.846	108.344	26.863	0.000	27.323	107.132	37.825	0.000	30.852	162.031	96.663	0.000	38.553	613.435	245.326	0.000	146.575	0.000	0.000	0.000	0.000	178.738	86.567	0.000	20.98
480	64.686	12.094	0.000	12.592	65.352	15.946	0.000	16.730	63.515	13.566	0.000	13.866	99.441	18.086	0.000	18.445	117.336	27.693	0.000	28.316	116.024	38.964	0.000	31.783	175.479	99.511	0.000	40.068	664.346	252.553	0.000	152.715	0.000	0.000	0.000	0.000	193.572	89.117	0.000	22.12
540	68.526	12.438	0.000	12.971	69.231	16.405	0.000	17.250	67.285	13.949	0.000	14.274	105.343	18.605	0.000	19.005	124.301	28.488	0.000	29.223	122.910	40.098	0.000	32.709	185.895	102.439	0.000	41.477	703.779	259.985	0.000	158.311	0.000	0.000	0.000	0.000	205.061	91.739	0.000	23.06
600	71.248	12.758	0.000	13.314	71.981	16.846	0.000	17.731	69.958	14.297	0.000	14.638	109.528	19.101	0.000	19.526	129.238	29.248	0.000	30.045	127.793	41.227	0.000	33.630	193.279	105.448	0.000	42.780	731.734	267.622	0.000	163.365	0.000	0.000	0.000	0.000	213.207	94.434	0.000	23.81
660	72.852	13.054	0.000	13.623	73.602	17.271	0.000	18.174	71.533	14.609	0.000	14.958	111.994	19.573	0.000	20.006	132.148	29.972	0.000	30.781	130.670	42.351	0.000	34.546	197.631	108.538	0.000	43.976	748.211	275.463	0.000	167.877	0.000	0.000	0.000	0.000	218.008	97.201	0.000	24.38
720	73.339	13.326	0.000	13.896	74.093	17.678	0.000	18.579	72.011	14.885	0.000	15.233	112.742	20.022	0.000	20.447	133.031	30.661	0.000	31.432	131.543	43.469	0.000	35.458	198.951	111.708	0.000	45.065	753.209	283.508	0.000	171.845	0.000	0.000	0.000	0.000	219.464	100.040	0.000	24.75

Pollutant Name: Oxides of Nitrogen Temperature: 60F Relative Humidity: ALL

min	Light Duty Autos				Light Duty Truck 1				Light Duty Truck 2				Medium Duty Truck				Light-Heavy Duty Truck 1				Light-Heavy Duty Truck 2				Medium-Heavy Duty Truck				Heavy-Heavy Duty Truck				Line-Haul Vehicles				Urban Buses				Motorcycles				School Buses				Motor Homes				Total All	
	NCAT	CAT	DSL		NCAT	CAT	DSL		NCAT	CAT	DSL		NCAT	CAT	DSL		NCAT	CAT	DSL		NCAT	CAT	DSL		NCAT	CAT	DSL		NCAT	CAT	DSL		NCAT	CAT	DSL		NCAT	CAT	DSL															
5	1.168	0.257	0.000		1.138	0.263	0.000		1.119	0.461	0.000		1.589	0.507	0.000		0.636	1.210	0.000		0.624	1.333	0.000		0.949	1.802	0.000		3.688	5.498	0.000		0.000	0.000	0.000		1.115	2.249	0.000		0.286	0.074	0.000		0.951	1.606	0.000		0.937	1.119	0.000		0.33	
10	1.269	0.314	0.000		1.237	0.330	0.000		1.216	0.539	0.000		1.727	0.623	0.000		0.691	1.517	0.000		0.678	1.814	0.000		1.031	2.716	0.000		4.009	8.284	0.000		0.000	0.000	0.000	0.000	1.212	3.388	0.000		0.311	0.111	0.000		1.034	2.420	0.000		1.018	1.686	0.000		0.41	
20	1.454	0.414	0.000		1.417	0.449	0.000		1.393	0.677	0.000		1.979	0.828	0.000		0.792	2.059	0.000		0.777	2.660	0.000		1.182	4.320	0.000		4.592	13.176	0.000		0.000	0.000	0.000	0.000	1.388	5.389	0.000		0.356	0.177	0.000		1.184	3.849	0.000		1.166	2.681	0.000		0.54	
30	1.614	0.496	0.000		1.572	0.546	0.000		1.546	0.791	0.000		2.197	0.997	0.000		0.879	2.503	0.000		0.862	3.351	0.000		1.312	5.627	0.000		5.097	17.163	0.000		0.000	0.000	0.000	0.000	1.541	7.020	0.000		0.396	0.230	0.000		1.314	5.013	0.000		1.295	3.493	0.000		0.65	
40	1.750	0.560	0.000		1.704	0.622	0.000		1.676	0.881	0.000		2.381	1.129	0.000		0.953	2.851	0.000		0.935	3.888	0.000		1.422	6.637	0.000		5.525	20.244	0.000		0.000	0.000	0.000	0.000	1.671	8.280	0.000		0.429	0.272	0.000		1.425	5.913	0.000		1.403	4.120	0.000		0.73	
50	1.860	0.607	0.000		1.812	0.677	0.000		1.782	0.947	0.000		2.532	1.225	0.000		1.013	3.101	0.000		0.994	4.270	0.000		1.512	7.350	0.000		5.874	22.419	0.000		0.000	0.000	0.000	0.000	1.776	9.169	0.000		0.456	0.301	0.000		1.515	6.549	0.000		1.492	4.562	0.000		0.79	
60	1.946	0.635	0.000		1.896	0.710	0.000		1.865	0.989	0.000		2.649	1.284	0.000		1.060	3.253	0.000		1.040	4.497	0.000		1.582	7.766	0.000		6.146	23.688	0.000		0.000	0.000	0.000	0.000	1.859	9.689	0.000		0.477	0.318	0.000		1.585	6.919	0.000		1.561	4.821	0.000		0.83	
120	1.992	0.660	0.000		1.941	0.739	0.000		1.908	1.040	0.000		2.711	1.338	0.000		1.085	3.374	0.000		1.064	4.610	0.000		1.619	7.884	0.000		6.291	24.044	0.000		0.000	0.000	0.000	0.000	1.902	9.835	0.000		0.488	0.321	0.000		1.622	7.025	0.000		1.598	4.897	0.000		0.86	
180	1.945	0.682	0.000		1.894	0.758	0.000		1.863	1.073	0.000		2.646	1.376	0.000		1.059	3.372	0.000		1.039	4.599	0.000		1.580	7.855	0.000		6.140	23.956	0.000		0.000	0.000	0.000	0.000	1.857	9.799	0.000		0.477	0.322	0.000		1.583	4.999	0.000		1.560	4.879	0.000		0.88	
240	1.678	0.618	0.000		1.630	0.650	0.000		1.596	0.685	0.000		2.087	1.003	0.000		0.859	2.509	0.000		0.841	3.292	0.000		1.291	5.064	0.000		5.263	17.937	0.000		0.000	0.000	0.000	0.000	1.637	8.320	0.000		0.431	0.270	0.000		1.504	4.686	0.000		1.504	4.686	0.000		0.87	
300	1.803	0.671	0.000		1.756	0.746	0.000		1.727	1.055	0.000		2.454	1.354	0.000		0.982	3.320	0.000		0.963	4.534	0.000		1.465	7.751	0.000		5.694	23.639	0.000		0.000	0.000	0.000	0.000	1.722	9.669	0.000		0.442	0.317	0.000		1.468	6.906	0.000		1.446	4.815	0.000		0.87	
360	1.709	0.663	0.000		1.665	0.737	0.000		1.637	1.041	0.000		2.326	1.337	0.000		0.931	3.280	0.000		0.913	4.485	0.000		1.389	7.676	0.000		5.398	23.411	0.000		0.000	0.000	0.000	0.000	1.632	9.576	0.000		0.419	0.314	0.000		1.392	6.840	0.000		1.371	4.768	0.000		0.86	
420	1.600	0.652	0.000		0.660	1.559	0.726	0.000		0.735	1.533	1.023	0.000		0.715	1.533	1.023	0.000		1.018	2.177	1.316	0.000		1.292	0.871	3.230	0.000		2.966	0.855	4.425	0.000		3.606	1.300	7.586	0.000		2.526	5.053	23.136	0.000		0.895	0.000	0.000	0.000		1.528	9.463	0.000		0.94
480	1.475	0.639	0.000		0.646	1.437	0.713	0.000		0.719	1.413	1.001	0.000		0.696	2.008	1.291	0.000		1.266	0.803	3.170	0.000		1.288	0.781	3.170	0.000		2.910	0.878	4.354	0.000		3.548	1.199	7.481	0.000		2.476	4.659	22.814	0.000		0.725	0.000	0.000	0.000		1.409	9.332	0.000		0.91
540	1.335	0.625	0.000		0.630	1.301	0.697	0.000		0.702	1.279	0.975	0.000		0.699	1.817	1.262	0.000		1.236	0.727	3.101	0.000		1.283	0.727	3.101	0.000		2.845	0.713	4.272	0.000		3.482	1.085	7.360	0.000		2.443	4.217	22.446	0.000		0.532	0.000	0.000	0.000		1.275	9.181	0.000		0.87
600	1.180	0.608	0.000		0.612	1.149	0.680	0.000		0.682	1.130	0.946	0.000		0.682	1.130	0.946	0.000		0.939	1.606	1.228	0.000		1.201	0.642	3.022	0.000		2.771	0.630	4.180	0.000		3.406	0.959	6.724	0.000		2.393	3.726	22.031	0.000		0.532	0.000	0.000	0.000		1.127	9.011	0.000		0.84
660	1.009	0.589	0.000		0.591	0.983	0.660	0.000		0.659	0.967	0.913	0.000		0.659	0.967	0.913	0.000		0.906	1.373	1.191	0.000		1.163	0.549	2.934	0.000		2.688	0.539	4.076	0.000		3.322	0.820	7.073	0.000		2.337	3.187	21.570	0.000		0.532	0.000	0.000	0.000		0.964	8.823	0.000		0.80
720	0.823	0.568	0.000		0.569	0.802	0.638	0.000		0.634	0.788	0.877	0.000		0.634	0.788	0.877	0.000		0.868	1.120	1.149	0.000		1.120	0.448	2.836	0.000		2.596	0.440	3.962	0.000		3.229	0.669	6.906	0.000		2.277	2.598	21.062	0.000		0.532	0.000	0.000	0.000		0.786	8.615	0.000		0.75

Pollutant Name: Sulfur Dioxide				Temperature: 60F				Relative Humidity: ALL																																									
Time min	Light Duty Autos				Light Duty Truck 1				Light Duty Truck 2				Medium Duty Truck			Light-Heavy Duty Truck 1			Light-Heavy Duty Truck 2			Medium-Heavy Duty Truck			Heavy-Heavy Duty Truck			Line-Haul Vehicles			Urban Buses			Motorcycles			School Buses			Motor Homes			Total All						
	NCAT	CAT	DSL		NCAT	CAT	DSL		NCAT	CAT	DSL		NCAT	CAT	DSL		NCAT	CAT	DSL		NCAT	CAT	DSL		NCAT	CAT	DSL		NCAT	CAT	DSL		NCAT	CAT	DSL		NCAT	CAT	DSL										
5	0.002	0.000	0.000		0.002	0.000	0.000		0.002	0.000	0.000		0.002	0.000	0.000		0.003	0.000	0.000		0.003	0.000	0.000		0.006	0.001	0.000		1.346	0.000	0.000		0.004	0.000	0.000		0.001	0.000	0.182		0.003	0.000	0.000		0.003	0.000	0.000		0.00
10	0.002	0.000	0.000		0.002	0.000	0.000		0.002	0.000	0.000		0.002	0.000	0.000		0.003	0.000	0.000		0.003	0.000	0.000		0.006	0.001	0.000		1.346	0.000	0.000		0.004	0.001	0.000		0.001	0.000	0.182		0.003	0.001	0.000		0.003	0.001	0.000		0.00
20	0.002	0.000	0.000		0.002	0.000	0.000		0.002	0.000	0.000		0.002	0.000	0.000		0.003	0.001	0.000		0.003	0.001	0.000		0.006	0.002	0.000		1.346	0.000	0.000		0.004	0.001	0.000		0.001	0.000	0.182		0.003	0.001	0.000		0.003	0.001	0.000		0.00
30	0.002	0.000	0.000		0.002	0.000	0.000		0.002	0.000	0.000		0.002	0.001	0.000		0.003	0.001	0.000		0.003	0.001	0.000		0.005	0.003	0.000		1.346	0.000	0.000		0.004	0.002	0.000		0.001	0.000	0.182		0.004	0.002	0.000		0.004	0.002	0.000		0.00
40	0.002	0.000	0.000		0.002	0.001	0.000		0.002	0.001	0.000		0.003	0.001	0.000		0.003	0.001	0.000		0.004	0.002	0.000		0.005	0.004	0.000		1.346	0.000	0.000		0.004	0.002	0.000		0.001	0.001	0.182		0.004	0.002	0.000		0.004	0.002	0.000		0.00
50	0.002	0.001	0.000		0.002	0.001	0.000		0.002	0.001	0.000		0.003	0.001	0.000		0.004	0.001	0.000		0.004	0.001	0.000		0.005	0.005	0.000		1.346	0.000	0.000		0.004	0.002	0.000		0.001	0.001	0.182		0.004	0.003	0.000		0.004	0.002	0.000		0.00
60	0.002	0.001	0.000		0.002	0.001	0.000		0.002	0.001	0.000		0.003	0.001	0.000		0.004	0.001	0.000		0.004	0.002	0.000		0.005	0.006	0.000		1.346	0.000	0.000		0.004	0.003	0.000		0.001	0.001	0.182		0.004	0.003	0.000		0.004	0.003	0.000		0.00
120	0.003	0.003	0.000		0.003	0.003	0.000		0.003	0.003	0.000		0.003	0.003	0.000		0.005	0.006	0.000		0.005	0.006	0.000		0.006	0.006	0.000		1.346	0.000	0.000		0.006	0.003	0.000		0.001	0.001	0.182		0.006	0.003	0.000		0.006	0.003	0.000		0.00
180	0.003	0.001	0.000		0.003	0.001	0.000		0.003	0.001	0.000		0.004	0.002	0.000		0.005	0.003	0.000		0.005	0.003	0.000		0.006	0.004	0.000		1.346	0.000	0.000		0.006	0.004	0.000		0.001	0.001	0.182		0.006	0.004	0.000		0.006	0.003	0.000		0.00
240	0.004	0.001	0.000		0.004	0.002	0.000		0.004	0.002	0.000		0.004	0.002	0.000		0.006	0.003	0.000		0.006	0.003	0.000		0.006	0.004	0.000		1.346	0.000	0.000		0.007	0.004	0.000		0.001	0.001	0.182		0.006	0.004	0.000		0.006	0.004	0.000		0.00
300	0.004	0.001	0.000		0.004	0.002	0.000		0.004	0.002	0.000		0.005	0.002	0.000		0.006	0.003	0.000		0.006	0.003	0.000		0.007	0.004	0.000		1.346	0.000	0.000		0.007	0.004	0.000		0.001	0.001	0.182		0.007	0.004	0.000		0.007	0.004	0.000		0.00
360	0.004	0.002	0.000		0.004	0.002	0.000		0.004	0.002	0.000		0.005	0.003	0.000		0.006	0.003	0.000		0.006	0.004	0.000		0.007	0.005	0.000		1.346	0.000	0.000		0.008	0.005	0.000		0.001	0.001	0.182		0.007	0.005	0.000		0.007	0.004	0.000		0.00
420	0.004	0.002	0.000		0.002	0.004	0.002		0.000	0.002	0.004		0.002	0.000	0.002		0.005	0.003	0.000		0.003	0.006	0.004		0.006	0.004	0.000		0.003	0.008	0.005		0.000	0.002	0.015		0.008	0.000	0.005		1.346	0.000	0.000		0.008	0.005	0.000		0.00
480	0.004	0.002	0.000		0.002	0.004	0.002		0.000	0.002	0.004		0.002	0.000	0.002		0.005	0.003	0.000		0.003	0.007	0.004		0.004	0.000	0.004		0.003	0.008	0.005		0.000	0.002	0.016		0.008	0.000	0.005		1.346	0.000	0.000		0.008	0.005	0.000		0.00
540	0.004	0.002	0.000		0.002	0.004	0.002		0.000	0.002	0.004		0.002	0.000	0.002		0.005	0.003	0.000		0.003	0.007	0.004		0.007	0.004	0.000		0.004	0.008	0.006		0.000	0.002	0.017		0.009	0.000	0.005		1.346	0.000	0.000		0.009	0.006	0.000		0.00
600	0.004	0.002	0.000		0.002	0.004	0.003		0.000	0.003	0.004		0.003	0.000	0.003		0.005	0.004	0.000		0.003	0.007	0.004		0.007	0.005	0.000		0.004	0.008	0.006		0.000	0.002	0.017		0.009	0.000	0.005		1.346	0.000	0.000		0.009	0.006	0.000		0.00
660	0.004	0.002	0.000		0.002	0.004	0.003		0.000	0.003	0.004		0.003	0.000	0.003		0.005	0.004	0.000		0.004	0.007	0.005		0.007	0.005	0.000		0.004	0.008	0.006		0.000	0.002	0.017		0.010	0.000	0.005		1.346	0.000	0.000		0.009	0.006	0.000		0.00
720	0.004	0.002	0.000		0.002	0.004	0.003		0.000	0.003	0.004		0.003	0.000	0.003		0.005	0.004	0.000		0.004	0.007	0.005		0.007	0.005	0.000		0.004	0.008	0.006		0.000	0.002	0.018		0.010	0.000	0.005		1.346	0.000	0.000		0.009	0.006	0.000		0.00

[illegible]

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Title   : Los Angeles County Avg 2008 Winter 60°F
Version : Emfac2002 V2.2 Sept 23 2002
Run Date : 03/20/03 09:48:53
Scen Year: 2008 -- Model Years: 1965 to 2008
Season   : Winter
Area     : Los Angeles County
=====
Year:      2008      -- Model Years      1965 to      2008 Inclusive --      Winter
Emfac2002 Emission Factors: V2.2 Sept 23 2002

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County Average	Los Angeles Count	County Average
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Table 4: Hot Soak Emissions (grams / trip)

[illegible]

Hot soak results are scaled to reflect zero emissions for trip lengths of less than 5 minutes (about 25% of in-use trips)

Title : Los Angeles County Avg 2008 Winter 60°F
Version : Emfac2002 V2.2 Sept 23 2002
Run Date : 03/20/03 09:48:53
Scen Year: 2008 -- Model Years: 1965 to 2008
Season : Winter
Area : Los Angeles County

Year: 2008 -- Model Years 1965 to 2008 Inclusive -- Winter
Emfac2002 Emission Factors: V2.2 Sept 23 2002

County Average Los Angeles Count County Average

Table 5a: Partial Day Diurnal Loss Emissions (grams/hour)

Pollutant Name: Reactive Org Gases Temperature: ALL Relative Humidity: ALL

Temp degF	Light Duty Autos			Light Duty Truck 1			Light Duty Truck 2			Medium Duty Truck			Light-Heavy Duty Truck 1			Light-Heavy Duty Truck 2			Medium-Heavy Duty Truck			Heavy-Heavy Duty Truck			Line-Haul Vehicles			Urban Buses			Motorcycles			School Buses			Motor Homes			
	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL				
75	0.000	0.001	0.000	0.000	0.001	0.000	0.000	0.001	0.000	0.000	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.155	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Title : Los Angeles County Avg 2008 Winter 60°F
Version : Emfac2002 V2.2 Sept 23 2002
Run Date : 03/20/03 09:48:53
Scen Year: 2008 -- Model Years: 1965 to 2008
Season : Winter
Area : Los Angeles County

Year: 2008 -- Model Years 1965 to 2008 Inclusive -- Winter
Emfac2002 Emission Factors: V2.2 Sept 23 2002

County Average Los Angeles Count County Average

Table 5b: Multi-Day Diurnal Loss Emissions (grams/hour)

Pollutant Name: Reactive Org Gases Temperature: ALL Relative Humidity: ALL

Temp degF	Light Duty Autos			Light Duty Truck 1			Light Duty Truck 2			Medium Duty Truck			Light-Heavy Duty Truck 1			Light-Heavy Duty Truck 2			Medium-Heavy Duty Truck			Heavy-Heavy Duty Truck			Line-Haul Vehicles			Urban Buses			Motorcycles			School Buses			Motor Homes		
	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL
75	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.015	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Title : Los Angeles County Avg 2008 Winter 60°F
Version : Emfac2002 V2.2 Sept 23 2002
Run Date : 03/20/03 09:48:53
Scen Year: 2008 -- Model Years: 1965 to 2008
Season : Winter
Area : Los Angeles County

Year: 2008 -- Model Years 1965 to 2008 Inclusive -- Winter
Emfac2002 Emission Factors: V2.2 Sept 23 2002

County Average Los Angeles Count County Average

Table 6a: Partial Day Resting Loss Emissions (grams/hour)

Pollutant Name: Reactive Org Gases Temperature: ALL Relative Humidity: ALL

Temp degF	Light Duty Autos			Light Duty Truck 1			Light Duty Truck 2			Medium Duty Truck			Light-Heavy Duty Truck 1			Light-Heavy Duty Truck 2			Medium-Heavy Duty Truck			Heavy-Heavy Duty Truck			Line-Haul Vehicles			Urban Buses			Motorcycles			School Buses			Motor Homes		
	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL
75	0.266	0.033	0.000	0.265	0.044	0.000	0.269	0.028	0.000	0.166	0.037	0.000	0.014	0.001	0.000	0.015	0.002	0.000	0.014	0.003	0.000	0.013	0.003	0.000	0.000	0.000	0.000	0.012	0.002	0.000	0.037	0.127	0.000	0.014	0.004	0.000	0.016	0.005	0.000

Title : Los Angeles County Avg 2008 Winter 60°F
Version : Emfac2002 V2.2 Sept 23 2002
Run Date : 03/20/03 09:48:53
Scen Year: 2008 -- Model Years: 1965 to 2008
Season : Winter
Area : Los Angeles County

Year: 2008 -- Model Years 1965 to 2008 Inclusive -- Winter
Emfac2002 Emission Factors: V2.2 Sept 23 2002

County Average Los Angeles Count County Average

Table 6b: Multi-Day Resting Loss Emissions (grams/hour)

Pollutant Name: Reactive Org Gases Temperature: ALL Relative Humidity: ALL

Temp degF	Light Duty Autos			Light Duty Truck 1			Light Duty Truck 2			Medium Duty Truck			Light-Heavy Duty Truck 1			Light-Heavy Duty Truck 2			Medium-Heavy Duty Truck			Heavy-Heavy Duty Truck			Line-Haul Vehicles			Urban Buses			Motorcycles			School Buses			Motor Homes		
	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL
75	0.017	0.003	0.000	0.017	0.004	0.000	0.017	0.002	0.000	0.010	0.003	0.000	0.001	0.000	0.000	0.001	0.000	0.000	0.001	0.000	0.000	0.001	0.000	0.000	0.000	0.000	0.000	0.003	0.001	0.000	0.002	0.013	0.000	0.001	0.000	0.000	0.001	0.000	0.000

Title : Los Angeles County Avg 2008 Winter 60°F
Version : Emfac2002 V2.2 Sept 23 2002
Run Date : 03/20/03 09:48:53
Scen Year: 2008 -- Model Years: 1965 to 2008
Season : Winter
Area : Los Angeles County

Year: 2008 -- Model Years 1965 to 2008 Inclusive -- Winter
Emfac2002 Emission Factors: V2.2 Sept 23 2002

County Average Los Angeles Count County Average

Table 7: Estimated Travel Fractions

Pollutant Name: Temperature: ALL Relative Humidity: ALL

	Light Duty Autos			Light Duty Truck 1			Light Duty Truck 2			Medium Duty Truck			Light-Heavy Duty Truck 1			Light-Heavy Duty Truck 2			Medium-Heavy Duty Truck			Heavy-Heavy Duty Truck			Line-Haul Vehicles			Urban Buses			Motorcycles			School Buses			Motor Homes		
	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL			
%VMT	0.40%	58.10%	0.10%	0.20%	10.20%	0.10%	0.20%	16.50%	0.10%	0.10%	6.50%	0.20%	0.00%	1.00%	0.20%	0.00%	0.20%	0.20%	0.00%	0.30%	1.10%	0.00%	0.10%	2.90%	0.00%	0.00%	0.00%	0.00%	0.20%	0.30%	0.20%	0.10%	0.00%	0.00%	0.10%	0.00%	0.30%	0.00%	
%TRIP	0.60%	55.30%	0.20%	0.20%	9.60%	0.10%	0.10%	15.50%	0.10%	0.10%	6.10%	0.20%	0.10%	3.60%	0.20%	0.00%	1.00%	0.20%	0.20%	1.60%	3.20%	0.10%	0.50%	0.60%	0.00%	0.00%	0.00%	0.00%	0.30%	0.10%	0.00%	0.00%	0.00%	0.00%	0.10%	0.00%	0.00%	0.00%	
%VEH	0.90%	59.00%	0.20%	0.30%	10.40%	0.10%	0.20%	16.40%	0.10%	0.10%	6.50%	0.20%	0.00%	0.70%	0.10%	0.00%	0.20%	0.10%	0.00%	0.20%	0.80%	0.00%	0.10%	0.80%	0.00%	0.00%	0.00%	0.00%	0.10%	0.10%	1.00%	0.30%	0.00%	0.00%	0.00%	0.10%	0.10%	0.80%	0.10%

Title : Los Angeles County Avg 2013 Summer 75°F
Version : Emfac2002 V2.2 Sept 23 2002
Run Date : 03/19/03 15:10:03
Scen Year: 2013 -- Model Years: 1968 to 2013
Season : Summer
Area : Los Angeles County
Year: 2013 -- Model Years 1968 to 2013 Inclusive -- Summer
Emfac2002 Emission Factors: V2.2 Sept 23 2002

County Average Los Angeles Count County Average

Table 1: Running Exhaust Emissions (grams / mile)

Pollutant Name: Reactive Org Gases Temperature: 75F Relative Humidity: 70%

Speed MPH	Light Duty Autos			Light Duty Truck 1			Light Duty Truck 2			Medium Duty Truck			Light-Heavy Duty Truck 1			Light-Heavy Duty Truck 2			Medium-Heavy Duty Truck			Heavy-Heavy Duty Truck			Line-Haul Vehicles			Urban Buses			Motorcycles			School Buses			Motor Homes			Total All
	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL				
5	17.520	0.295	0.697	17.615	0.486	0.403	17.670	0.431	0.261	21.147	0.685	0.247	16.955	0.303	0.637	16.955	0.495	0.709	25.482	1.882	0.662	67.846	15.201	0.961	0.000	0.000	0.000	31.918	9.031	2.583	5.172	4.213	0.000	25.482	5.426	1.065	25.482	1.793	0.306	0.50
10	12.448	0.191	0.547	12.515	0.324	0.317	12.555	0.281	0.205	15.031	0.450	0.194	11.076	0.195	0.500	11.076	0.319	0.557	16.663	1.220	0.520	44.421	9.928	0.754	0.000	0.000	0.000	20.880	5.906	1.874	4.065	3.084	0.000	16.663	3.534	0.836	16.663	1.166	0.241	0.34
15	9.251	0.130	0.439	9.302	0.227	0.254	9.331	0.193	0.164	11.176	0.311	0.155	7.534	0.132	0.402	7.534	0.215	0.447	11.349	0.822	0.410	30.309	6.752	0.605	0.000	0.000	0.000	14.230	4.024	1.408	3.343	2.379	0.000	11.349	2.395	0.671	11.349	0.789	0.193	0.24
20	7.193	0.093	0.360	7.232	0.166	0.208	7.255	0.139	0.135	8.694	0.225	0.127	5.336	0.094	0.329	5.336	0.151	0.367	8.052	0.576	0.342	21.549	4.782	0.497	0.000	0.000	0.000	10.102	2.858	1.095	2.879	1.935	0.000	8.052	1.689	0.551	8.052	0.555	0.158	0.18
25	5.852	0.070	0.302	5.884	0.128	0.175	5.902	0.105	0.113	7.077	0.171	0.107	3.935	0.069	0.276	3.935	0.111	0.308	5.950	0.419	0.287	15.967	3.527	0.416	0.000	0.000	0.000	7.472	2.115	0.882	2.596	1.661	0.000	5.950	1.240	0.462	5.950	0.406	0.133	0.14
30	4.983	0.056	0.259	5.011	0.103	0.150	5.026	0.085	0.097	6.029	0.137	0.092	3.023	0.053	0.237	3.023	0.084	0.264	4.581	0.318	0.246	12.329	2.710	0.357	0.000	0.000	0.000	5.758	1.631	0.736	2.454	1.506	0.000	4.581	0.948	0.396	4.581	0.310	0.114	0.11
35	4.443	0.047	0.227	4.467	0.088	0.131	4.481	0.071	0.085	5.377	0.115	0.080	2.419	0.042	0.208	2.419	0.067	0.231	3.676	0.251	0.216	9.922	2.171	0.313	0.000	0.000	0.000	4.624	1.311	0.636	2.431	1.442	0.000	3.676	0.756	0.347	3.676	0.247	0.100	0.10
40	4.148	0.042	0.203	4.171	0.078	0.118	4.184	0.063	0.076	5.022	0.101	0.072	2.019	0.035	0.186	2.019	0.055	0.207	3.074	0.207	0.193	7.324	1.813	0.280	0.000	0.000	0.000	3.872	1.098	0.569	2.525	1.460	0.000	3.074	0.628	0.311	3.074	0.205	0.089	0.09
45	4.057	0.039	0.186	4.080	0.073	0.108	4.093	0.059	0.070	4.912	0.095	0.066	1.758	0.031	0.170	1.758	0.048	0.190	2.682	0.178	0.177	7.281	1.580	0.257	0.000	0.000	0.000	3.380	0.960	0.528	2.748	1.562	0.000	2.682	0.546	0.285	2.682	0.177	0.082	0.08
50	4.157	0.038	0.174	4.180	0.072	0.101	4.193	0.058	0.065	5.032	0.093	0.062	1.598	0.028	0.159	1.598	0.043	0.177	2.441	0.161	0.166	6.641	1.437	0.240	0.000	0.000	0.000	3.079	0.875	0.507	3.134	1.765	0.000	2.441	0.495	0.266	2.441	0.161	0.077	0.08
55	4.461	0.040	0.167	4.486	0.074	0.097	4.500	0.060	0.062	5.399	0.096	0.059	1.517	0.026	0.153	1.517	0.041	0.170	2.320	0.152	0.158	6.317	1.365	0.230	0.000	0.000	0.000	2.926	0.831	0.504	3.742	2.104	0.000	2.320	0.470	0.255	2.320	0.152	0.073	0.08
60	5.013	0.043	0.163	5.041	0.081	0.094	5.057	0.065	0.061	6.066	0.104	0.058	1.504	0.026	0.149	1.504	0.041	0.166	2.301	0.151	0.155	6.267	1.354	0.225	0.000	0.000	0.000	2.903	0.825	0.518	4.676	2.645	0.000	2.301	0.466	0.249	2.301	0.151	0.072	0.09
65	5.899	0.050	0.163	5.932	0.093	0.094	5.951	0.075	0.061	7.134	0.121	0.058	1.559	0.027	0.149	1.559	0.042	0.166	2.383	0.157	0.155	6.486	1.402	0.225	0.000	0.000	0.000	3.006	0.854	0.553	6.115	3.501	0.000	2.383	0.483	0.249	2.383	0.157	0.072	0.10

Pollutant Name: Carbon Monoxide Temperature: 75F Relative Humidity: 70%

Speed MPH	Light Duty Autos				Light Duty Truck 1				Light Duty Truck 2				Medium Duty Truck				Light-Heavy Duty Truck 1				Light-Heavy Duty Truck 2				Medium-Heavy Duty Truck				Heavy-Heavy Duty Truck				Line-Haul Vehicles				Urban Buses				Motorcycles				School Buses				Motor Homes				Total All
	NCAT	CAT	DSL		NCAT	CAT	DSL		NCAT	CAT	DSL		NCAT	CAT	DSL		NCAT	CAT	DSL		NCAT	CAT	DSL		NCAT	CAT	DSL		NCAT	CAT	DSL		NCAT	CAT	DSL		NCAT	CAT	DSL														
5	144.164	4.198	3.020		142.659	8.242	2.566		141.949	6.472	2.073		230.262	8.092	2.035		297.845	3.359	3.226		297.845	6.101	3.324		446.768	23.915	6.187		1631.732	168.454	5.776		0.000	0.000	0.000		516.591	49.870	15.413		36.794	15.224	0.000		446.768	59.821	9.649		446.768	35.864	3.036		6.18
10	105.076	3.688	2.082		103.979	6.945	1.770		103.462	5.601	1.429		167.831	6.913	1.403		198.160	2.235	2.224		198.160	4.059	2.292		297.240	15.911	4.266		1085.610	112.074	3.983		0.000	0.000	0.000		343.694	33.179	9.701		30.176	13.487	0.000		297.240	39.799	6.653		297.240	23.861	2.094		5.14
15	80.654	3.282	1.503		79.812	5.991	1.277		79.415	4.932	1.031		128.823	6.030	1.013		139.292	1.571	1.605		139.292	2.853	1.654		208.938	11.184	3.078		763.106	78.780	2.874		0.000	0.000	0.000		241.593	23.322	6.483		26.063	12.180	0.000		208.938	27.976	4.801		208.938	16.772	1.511		4.40
20	65.197	2.953	1.135		64.516	5.272	0.964		64.195	4.404	0.779		104.134	5.350	0.765		103.449	1.167	1.212		103.449	2.119	1.249		155.173	8.306	2.325		566.738	58.508	2.171		0.000	0.000	0.000		179.424	17.321	4.601		23.707	11.191	0.000		155.173	20.777	3.626		155.173	12.456	1.141		3.86
25	55.501	2.682	0.897		54.921	4.720	0.762		54.648	3.982	0.616		88.647	4.818	0.605		81.172	0.915	0.958		81.172	1.663	0.987		121.758	6.518	1.838		444.699	45.909	1.716		0.000	0.000	0.000		140.788	13.591	3.467		22.708	10.457	0.000		121.758	16.303	2.866		121.758	9.774	0.902		3.45
30	49.756	2.456	0.742		49.236	4.294	0.630		48.991	3.639	0.509		79.471	4.397	0.500		67.294	0.759	0.792		67.294	1.378	0.817		100.941	5.403	1.520		368.668	38.060	1.419		0.000	0.000	0.000		116.717	11.267	2.774		22.907	9.947	0.000		100.941	13.516	2.371		100.941	8.103	0.746		3.13
35	46.975	2.269	0.642		46.484	3.968	0.546		46.253	3.362	0.441		75.029	4.064	0.433		58.943	0.665	0.686		58.943	1.207	0.707		88.415	4.733	1.316		322.918	33.337	1.228		0.000	0.000	0.000		102.233	9.869	2.357		24.335	9.659	0.000		88.415	11.838	2.052		88.415	7.097	0.646		2.89
40	46.705	2.113	0.582		46.217	3.724	0.494		45.987	3.140	0.399		74.598	3.807	0.392		54.548	0.615	0.622		54.548	1.117	0.640		81.821	4.380	1.192		298.837	30.851	1.113		0.000	0.000	0.000		94.609	9.133	2.126		27.226	9.617	0.000		81.821	10.956	1.859		81.821	6.568	0.585		2.71
45	48.903	1.986	0.552		48.392	3.557	0.469		48.151	2.968	0.379		78.109	3.618	0.372		53.334	0.601	0.589		53.334	1.092	0.607		80.001	4.282	1.130		292.188	30.164	1.055		0.000	0.000	0.000		90.540	8.930	2.036		32.077	9.883	0.000		80.001	10.712	1.763		80.001	6.428	0.555		2.58
50	53.924	1.885	0.547		53.361	3.465	0.465		53.095	2.843	0.376		86.128	3.496	0.369		55.096	0.621	0.585		55.096	1.129	0.602		82.644	4.424	1.122		301.840	31.161	1.047		0.000	0.000	0.000		95.560	9.225	2.071		39.800	10.575	0.000		82.644	11.066	1.749		82.644	6.634	0.550		2.51
55	62.618	1.813	0.569		61.964	3.466	0.483		61.656	2.770	0.390		100.015	3.448	0.383		60.134	0.678	0.607		60.134	1.232	0.626		90.201	4.828	1.165		329.441	34.010	1.087		0.000	0.000	0.000		104.298	10.069	2.237		52.005	11.904	0.000		90.201	12.078	1.816		90.201	7.241	0.572		2.50
60	76.576	1.770	0.618		75.777	3.550	0.525		75.400	2.756	0.424		122.310	3.490	0.416		69.344	0.782	0.660		69.344	1.420	0.680		104.015	5.568	1.266		379.896	39.219	1.182		0.000	0.000	0.000		120.272	11.611	2.566		71.562	14.254	0.000		104.015	13.927	1.974		104.015	8.350	0.621		2.57
65	98.620	1.766	0.703		97.590	3.785	0.597		97.104	2.821	0.482		157.518	3.655	0.474		84.485	0.953	0.751		84.485	1.731	0.773		126.728	6.784	1.440		462.847	47.783	1.344		0.000	0.000	0.000		146.533	14.146	3.124		103.703	18.325	0.000		126.728	10.173	0.707		2.57				

Pollutant Name: Sulfur Dioxide Temperature: 75F Relative Humidity: 70%

Speed MPH	Light Duty Autos			Light Duty Truck 1			Light Duty Truck 2			Medium Duty Truck			Light-Heavy Duty Truck 1			Light-Heavy Duty Truck 2			Medium-Heavy Duty Truck			Heavy-Heavy Duty Truck			Line-Haul Vehicles			Urban Buses			Motorcycles			School Buses			Motor Homes			Total All
	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	
5	0.016	0.010	0.003	0.016	0.013	0.003	0.016	0.013	0.003	0.020	0.017	0.003	0.030	0.024	0.005	0.030	0.024	0.005	0.032	0.025	0.014	0.053	0.028	0.021	0.000	0.000	0.000	0.034	0.025	0.026	0.003	0.003	0.000	0.032	0.025	0.014	0.032	0.025	0.014	0.01
10	0.012	0.008	0.003	0.012	0.009	0.003	0.012	0.009	0.003	0.015	0.013	0.003	0.020	0.016	0.005	0.020	0.016	0.005	0.022	0.016	0.014	0.035	0.018	0.021	0.000	0.000	0.000	0.023	0.017	0.026	0.003	0.003	0.000	0.022	0.017	0.014	0.022	0.016	0.014	0.01
15	0.009	0.006	0.003	0.009	0.007	0.003	0.009	0.007	0.003	0.012	0.010	0.003	0.014	0.011	0.005	0.014	0.011	0.005	0.015	0.012	0.014	0.025	0.013	0.021	0.000	0.000	0.000	0.016	0.012	0.026	0.002	0.002	0.000	0.015	0.012	0.014	0.015	0.012	0.014	0.01
20	0.008	0.005	0.003	0.008	0.006	0.003	0.008	0.006	0.003	0.009	0.008	0.003	0.010	0.008	0.005	0.010	0.008	0.005	0.011	0.009	0.014	0.018	0.010	0.021	0.000	0.000	0.000	0.012	0.009	0.026	0.002	0.002	0.000	0.011	0.009	0.014	0.011	0.009	0.014	0.01
25	0.006	0.004	0.003	0.006	0.005	0.003	0.006	0.005	0.003	0.008	0.007	0.003	0.008	0.007	0.005	0.008	0.007	0.005	0.009	0.007	0.014	0.014	0.007	0.021	0.000	0.000	0.000	0.009	0.007	0.026	0.002	0.002	0.000	0.009	0.007	0.014	0.009	0.007	0.014	0.01
30	0.006	0.004	0.003	0.006	0.004	0.003	0.006	0.004	0.003	0.007	0.006	0.003	0.007	0.005	0.005	0.007	0.005	0.005	0.007	0.006	0.014	0.012	0.006	0.021	0.000	0.000	0.000	0.008	0.006	0.026	0.002	0.002	0.000	0.007	0.006	0.014	0.007	0.006	0.014	0.00
35	0.005	0.003	0.003	0.005	0.004	0.003	0.005	0.004	0.003	0.006	0.006	0.003	0.006	0.005	0.005	0.006	0.005	0.005	0.006	0.005	0.014	0.010	0.005	0.021	0.000	0.000	0.000	0.007	0.005	0.026	0.002	0.002	0.000	0.006	0.005	0.014	0.006	0.005	0.014	0.00
40	0.005	0.003	0.003	0.005	0.004	0.003	0.005	0.004	0.003	0.006	0.005	0.003	0.005	0.004	0.005	0.005	0.004	0.005	0.006	0.004	0.014	0.009	0.005	0.021	0.000	0.000	0.000	0.006	0.005	0.026	0.002	0.002	0.000	0.006	0.005	0.014	0.006	0.005	0.014	0.00
45	0.005	0.003	0.003	0.005	0.004	0.003	0.005	0.004	0.003	0.006	0.005	0.003	0.005	0.004	0.005	0.005	0.004	0.005	0.006	0.004	0.014	0.009	0.005	0.021	0.000	0.000	0.000	0.006	0.005	0.026	0.002	0.002	0.000	0.006	0.005	0.014	0.006	0.004	0.014	0.00
50	0.005	0.003	0.003	0.005	0.004	0.003	0.005	0.004	0.003	0.006	0.005	0.003	0.006	0.005	0.003	0.005	0.004	0.005	0.006	0.005	0.014	0.009	0.005	0.021	0.000	0.000	0.000	0.006	0.005	0.026	0.002	0.002	0.000	0.006	0.005	0.014	0.006	0.005	0.014	0.00
55	0.005	0.003	0.003	0.005	0.004	0.003	0.005	0.004	0.003	0.007	0.006	0.003	0.006	0.005	0.005	0.006	0.005	0.005	0.006	0.005	0.014	0.010	0.005	0.021	0.000	0.000	0.000	0.007	0.005	0.026	0.002	0.002	0.000	0.006	0.005	0.014	0.006	0.005	0.014	0.00
60	0.006	0.004	0.003	0.006	0.004	0.003	0.006	0.004	0.003	0.008	0.006	0.003	0.007	0.006	0.005	0.007	0.006	0.005	0.007	0.006	0.014	0.012	0.006	0.021	0.000	0.000	0.000	0.008	0.006	0.026	0.002	0.003	0.000	0.007	0.006	0.014	0.007	0.006	0.014	0.00
65	0.007	0.004	0.003	0.007	0.005	0.003	0.007	0.005	0.003	0.009	0.007	0.003	0.008	0.007	0.005	0.008	0.007	0.005	0.009	0.007	0.014	0.014	0.008	0.021	0.000	0.000	0.000	0.009	0.007	0.026	0.003	0.003	0.000	0.009	0.007	0.014	0.009	0.007	0.014	0.01

Pollutant Name: PM10 Temperature: 75F Relative Humidity: 70%

Speed MPH	Light Duty Autos			Light Duty Truck 1			Light Duty Truck 2			Medium Duty Truck			Light-Heavy Duty Truck 1			Light-Heavy Duty Truck 2			Medium-Heavy Duty Truck			Heavy-Heavy Duty Truck			Line-Haul Vehicles			Urban Buses			Motorcycles			School Buses			Motor Homes			Total All
	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	
5	0.104	0.057	0.394	0.100	0.064	0.201	0.106	0.132	0.138	0.107	0.134	0.129	0.101	0.046	0.105	0.101	0.049	0.129	0.101	0.048	0.583	0.101	0.095	0.407	0.000	0.000	0.000	0.101	0.090	0.925	0.080	0.005	0.000	0.101	0.059	0.973	0.101	0.017	0.434	0.10
10	0.074	0.037	0.309	0.071	0.043	0.158	0.076	0.087	0.108	0.076	0.088	0.102	0.066	0.030	0.082	0.066	0.032	0.102	0.066	0.032	0.457	0.066	0.062	0.319	0.000	0.000	0.000	0.066	0.059	0.671	0.063	0.004	0.000	0.066	0.038	0.764	0.066	0.011	0.341	0.07
15	0.055	0.026	0.248	0.053	0.030	0.127	0.056	0.060	0.087	0.057	0.061	0.082	0.045	0.021	0.066	0.045	0.022	0.081	0.045	0.022	0.367	0.045	0.042	0.256	0.000	0.000	0.000	0.045	0.040	0.504	0.052	0.003	0.000	0.045	0.026	0.613	0.045	0.008	0.274	0.05
20	0.043	0.019	0.204	0.041	0.022	0.104	0.044	0.043	0.071	0.044	0.045	0.067	0.032	0.015	0.054	0.032	0.016	0.067	0.032	0.015	0.301	0.032	0.030	0.210	0.000	0.000	0.000	0.032	0.029	0.392	0.045	0.003	0.000	0.032	0.019	0.503	0.032	0.005	0.225	0.04
25	0.035	0.014	0.171	0.034	0.017	0.087	0.036	0.033	0.060	0.036	0.035	0.056	0.024	0.011	0.045	0.024	0.012	0.056	0.024	0.011	0.253	0.024	0.022	0.176	0.000	0.000	0.000	0.024	0.021	0.316	0.041	0.002	0.000	0.024	0.014	0.422	0.024	0.004	0.188	0.03
30	0.030	0.011	0.146	0.029	0.014	0.075	0.031	0.027	0.051	0.031	0.028	0.048	0.019	0.008	0.039	0.019	0.009	0.048	0.019	0.009	0.217	0.019	0.017	0.151	0.000	0.000	0.000	0.019	0.016	0.264	0.039	0.002	0.000	0.019	0.011	0.361	0.019	0.003	0.161	0.02
35	0.027	0.010	0.128	0.026	0.012	0.066	0.027	0.023	0.045	0.027	0.024	0.042	0.015	0.007	0.034	0.015	0.007	0.042	0.015	0.007	0.190	0.015	0.014	0.132	0.000	0.000	0.000	0.015	0.013	0.228	0.038	0.002	0.000	0.015	0.009	0.317	0.015	0.003	0.141	0.02
40	0.025	0.009	0.115	0.024	0.010	0.059	0.026	0.020	0.040	0.026	0.021	0.038	0.013	0.006	0.031	0.013	0.006	0.038	0.013	0.006	0.170	0.013	0.012	0.119	0.000	0.000	0.000	0.013	0.011	0.204	0.040	0.002	0.000	0.013	0.007	0.284	0.013	0.002	0.127	0.02
45	0.024	0.008	0.105	0.023	0.010	0.054	0.025	0.019	0.037	0.025	0.020	0.035	0.011	0.005	0.028	0.011	0.005	0.035	0.011	0.005	0.156	0.011	0.010	0.109	0.000	0.000	0.000	0.011	0.010	0.189	0.043	0.002	0.000	0.011	0.006	0.260	0.011	0.002	0.116	0.02
50	0.025	0.008	0.099	0.024	0.009	0.050	0.026	0.019	0.034	0.026	0.019	0.032	0.010	0.005	0.026	0.010	0.005	0.032	0.010	0.005	0.146	0.010	0.009	0.102	0.000	0.000	0.000	0.010	0.009	0.181	0.049	0.002	0.000	0.010	0.006	0.243	0.010	0.002	0.109	0.02
55	0.027	0.008	0.094	0.026	0.010	0.048	0.027	0.019	0.033	0.028	0.020	0.031	0.010	0.004	0.025	0.010	0.005	0.031	0.010	0.005	0.139	0.010	0.009	0.097	0.000	0.000	0.000	0.010	0.008	0.180	0.058	0.003	0.000	0.010	0.006	0.233	0.010	0.002	0.104	0.02
60	0.030	0.009	0.092	0.029	0.011	0.047	0.031	0.021	0.032	0.031	0.022	0.030	0.009	0.004	0.025	0.009	0.005	0.030	0.009	0.005	0.136	0.009	0.009	0.095	0.000	0.000	0.000	0.009	0.008	0.186	0.073	0.004	0.000	0.009	0.005	0.228	0.009	0.002	0.102	0.02
65	0.035	0.011	0.092	0.034	0.012	0.047	0.036	0.024	0.032	0.036	0.025	0.030	0.010	0.004	0.025	0.010	0.005	0.030	0.010	0.005	0.136	0.010	0.009	0.095	0.000	0.000	0.000	0.010	0.009	0.198	0.095	0.005	0.000	0.010	0.006	0.228	0.010	0.002	0.102	0.02

Pollutant Name: Gasoline - mi / gal Temperature: 75F Relative Humidity: 70%

Speed MPH	Light Duty Autos			Light Duty Truck 1			Light Duty Truck 2			Medium Duty Truck			Light-Heavy Duty Truck 1			Light-Heavy Duty Truck 2			Medium-Heavy Duty Truck			Heavy-Heavy Duty Truck			Line-Haul Vehicles			Urban Buses			Motorcycles			School Buses			Motor Homes			Total All
	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL				
5	5.226	8.359	0.000	5.280	6.749	0.000	5.280	6.741	0.000	4.263	4.915	0.000	2.869	3.515	0.000	2.869	3.507	0.000	2.624	3.457	0.000	1.609	3.083	0.000	0.000	0.000	0.000	2.512	3.345	0.000	27.703	26.997	0.000	2.624	3.354	0.000	2.624	3.433	0.000	7.15
10	7.006	11.155	0.000	7.064	8.999	0.000	7.064	8.991	0.000	5.712	6.557	0.000	4.314	5.283	0.000	4.314	5.272	0.000	3.947	5.196	0.000	2.422	4.636	0.000	0.000	0.000	0.000	3.779	5.029	0.000	32.889	32.763	0.000	3.947	5.042	0.000	3.947	5.160	0.000	9.55
15	8.986	14.276	0.000	9.061	11.513	0.000	9.061	11.503	0.000	7.332	8.390	0.000	6.143	7.517	0.000	6.143	7.500	0.000	5.623	7.393	0.000	3.453	6.601	0.000	0.000	0.000	0.000	5.385	7.159	0.000	38.074	38.372	0.000	5.623	7.175	0.000	5.623	7.341	0.000	12.23
20	11.065	17.553	0.000	11.163	14.152	0.000	11.163	14.141	0.000	9.034	10.316	0.000	8.283	10.121	0.000	8.283	10.099	0.000	7.585	9.957	0.000	4.664	8.900	0.000	0.000	0.000	0.000	7.268	9.648	0.000	42.995	43.413	0.000	7.585	9.667	0.000	7.585	9.887	0.000	15.04
25	13.089	20.753	0.000	13.216	16.731	0.000	13.215	16.719	0.000	10.691	12.198	0.000	10.574	12.899	0.000	10.574	12.872	0.000	9.690	12.693	0.000	5.967	11.361	0.000	0.000	0.000	0.000	9.289	12.309	0.000	47.346	47.469	0.000	9.690	12.327	0.000	9.690	12.603	0.000	17.79
30	14.879	23.610	0.000	15.036	19.036	0.000	15.036	19.021	0.000	12.152	13.879	0.000	12.781	15.560	0.000	12.781	15.528	0.000	11.721	15.314	0.000	7.230	13.731	0.000	0.000	0.000	0.000	11.242	14.866	0.000	50.787	50.165	0.000	11.721	14.881	0.000	11.721	15.206	0.000	20.25
35	16.258	25.859	0.000	16.442	20.853	0.000	16.443	20.836	0.000	13.268	15.204	0.000	14.625	17.766	0.000	14.625	17.729	0.000	13.423	17.490	0.000	8.297	15.711	0.000	0.000	0.000	0.000	12.883	16.996	0.000	52.964	51.218	0.000	13.423	17.004	0.000	13.423	17.365	0.000	22.19
40	17.073	27.284	0.000	17.279	22.007	0.000	17.280	21.987	0.000	13.913	16.045	0.000	15.841	19.199	0.000	15.841	19.160	0.000	14.553	18.905	0.000	9.014	17.016	0.000	0.000	0.000	0.000	13.976	18.393	0.000	53.543	50.483	0.000	14.553	18.391	0.000	14.553	18.770	0.000	23.42
45	17.231	27.750	0.000	17.448	22.387	0.000	17.450	22.367	0.000	14.009	16.320	0.000	16.242	19.637	0.000	16.242	19.597	0.000	14.935	19.342	0.000	9.271	17.445	0.000	0.000	0.000	0.000	14.353	18.840	0.000	52.259	47.984	0.000	14.935	18.826	0.000	14.935	19.204	0.000	23.82
50	16.709	27.229	0.000	16.924	21.969	0.000	16.926	21.950	0.000	13.538	16.013	0.000	15.762	19.010	0.000	15.762	18.973	0.000	14.507	18.730	0.000	9.026	16.927	0.000	0.000	0.000	0.000	13.952	18.266	0.000	48.983	43.924	0.000	14.507	18.241	0.000	14.507	18.595	0.000	23.36
55	15.560	25.798	0.000	15.760	20.814	0.000	15.764	20.798	0.000	12.550	15.170	0.000	14.476	17.418	0.000	14.476	17.385	0.000	13.336	17.166	0.000	8.316	15.546	0.000	0.000	0.000	0.000	12.835	16.760	0.000	43.809	38.667	0.000	13.336	16.728	0.000	13.336	17.043	0.000	22.11
60	13.908	23.618	0.000	14.082	19.049	0.000	14.087	19.039	0.000	11.153	13.883	0.000	12.583	15.106	0.000	12.583	15.077	0.000	11.602	14.891	0.000	7.250	13.511	0.000	0.000	0.000	0.000	11.173	14.555	0.000	37.115	32.688	0.000	11.602	14.519	0.000	11.602	14.784	0.000	20.22
65	11.921	20.900	0.000	12.064	16.847	0.000	12.069	16.843	0.000	9.491	12.278	0.000	10.350	12.399	0.000	10.350	12.376	0.000	9.552	12.226	0.000	5.980	11.113	0.000	0.000	0.000	0.000	9.204	11.963	0.000	29.569	26.497	0.000	9.552	11.927	0.000	9.552	12.137	0.000	17.87

Pollutant Name: Diesel - mi / gal Temperature: 75F Relative Humidity: 70%

Speed MPH	Light Duty Autos			Light Duty Truck 1			Light Duty Truck 2			Medium Duty Truck			Light-Heavy Duty Truck 1			Light-Heavy Duty Truck 2			Medium-Heavy Duty Truck			Heavy-Heavy Duty Truck			Line-Haul Vehicles			Urban Buses			Motorcycles			School Buses			Motor Homes			Total All
	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL				
5	0.000	0.000	27.784	0.000	0.000	28.912	0.000	0.000	29.058	0.000	0.000	29.096	0.000	0.000	19.381	0.000	0.000	19.204	0.000	0.000	6.698	0.000	0.000	4.634	0.000	0.000	0.000	0.000	0.000	3.735	0.000	0.000	0.000	0.000	0.000	6.698	0.000	0.000	6.698	0.44
10	0.000	0.000	27.784	0.000	0.000	28.912	0.000	0.000	29.058	0.000	0.000	29.096	0.000	0.000	19.381	0.000	0.000	19.204	0.000	0.000	6.698	0.000	0.000	4.634	0.000	0.000	0.000	0.000	0.000	3.735	0.000	0.000	0.000	0.000	0.000	6.698	0.000	0.000	6.698	0.44
15	0.000	0.000	27.784	0.000	0.000	28.912	0.000	0.000	29.058	0.000	0.000	29.096	0.000	0.000	19.381	0.000	0.000	19.204	0.000	0.000	6.698	0.000	0.000	4.634	0.000	0.000	0.000	0.000	0.000	3.735	0.000	0.000	0.000	0.000	0.000	6.698	0.000	0.000	6.698	0.44
20	0.000	0.000	27.784	0.000	0.000	28.912	0.000	0.000	29.058	0.000	0.000	29.096	0.000	0.000	19.381	0.000	0.000	19.204	0.000	0.000	6.698	0.000	0.000	4.634	0.000	0.000	0.000	0.000	0.000	3.735	0.000	0.000	0.000	0.000	0.000	6.698	0.000	0.000	6.698	0.44
25	0.000	0.000	27.784	0.000	0.000	28.912	0.000	0.000	29.058	0.000	0.000	29.096	0.000	0.000	19.381	0.000	0.000	19.204	0.000	0.000	6.698	0.000	0.000	4.634	0.000	0.000	0.000	0.000	0.000	3.735	0.000	0.000	0.000	0.000	0.000	6.698	0.000	0.000	6.698	0.44
30	0.000	0.000	27.784	0.000	0.000	28.912	0.000	0.000	29.058	0.000	0.000	29.096	0.000	0.000	19.381	0.000	0.000	19.204	0.000	0.000	6.698	0.000	0.000	4.634	0.000	0.000	0.000	0.000	0.000	3.735	0.000	0.000	0.000	0.000	0.000	6.698	0.000	0.000	6.698	0.44
35	0.000	0.000	27.784	0.000	0.000	28.912	0.000	0.000	29.058	0.000	0.000	29.096	0.000	0.000	19.381	0.000	0.000	19.204	0.000	0.000	6.698	0.000	0.000	4.634	0.000	0.000	0.000	0.000	0.000	3.735	0.000	0.000	0.000	0.000	0.000	6.698	0.000	0.000	6.698	0.44
40	0.000	0.000	27.784	0.000	0.000	28.912	0.000	0.000	29.058	0.000	0.000	29.096	0.000	0.000	19.381	0.000	0.000	19.204	0.000	0.000	6.698	0.000	0.000	4.634	0.000	0.000	0.000	0.000	0.000	3.735	0.000	0.000	0.000	0.000	0.000	6.698	0.000	0.000	6.698	0.44
45	0.000	0.000	27.784	0.000	0.000	28.912	0.000	0.000	29.058	0.000	0.000	29.096	0.000	0.000	19.381	0.000	0.000	19.204	0.000	0.000	6.698	0.000	0.000	4.634	0.000	0.000	0.000	0.000	0.000	3.735	0.000	0.000	0.000	0.000	0.000	6.698	0.000	0.000	6.698	0.44
50	0.000	0.000	27.784	0.000	0.000	28.912	0.000	0.000	29.058	0.000	0.000	29.096	0.000	0.000	19.381	0.000	0.000	19.204	0.000	0.000	6.698	0.000	0.000	4.634	0.000	0.000	0.000	0.000	0.000	3.735	0.000	0.000	0.000	0.000	0.000	6.698	0.000	0.000	6.698	0.44
55	0.000	0.000	27.784	0.000	0.000	28.912	0.000	0.000	29.058	0.000	0.000	29.096	0.000	0.000	19.381	0.000	0.000	19.204	0.000	0.000	6.698	0.000	0.000	4.634	0.000	0.000	0.000	0.000	0.000	3.735	0.000	0.000	0.000	0.000	0.000	6.698	0.000	0.000	6.698	0.44
60	0.000	0.000	27.784	0.000	0.000	28.912	0.000	0.000	29.058	0.000	0.000	29.096	0.000	0.000	19.381	0.000	0.000	19.204	0.000	0.000	6.698	0.000	0.000	4.634	0.000	0.000	0.000	0.000	0.000	3.735	0.000	0.000	0.000	0.000	0.000	6.698	0.000	0.000	6.698	0.44
65	0.000	0.000	27.784	0.000	0.000	28.912	0.000	0.000	29.058	0.000	0.000	29.096	0.000	0.000	19.381	0.000	0.000	19.204	0.000	0.000	6.698	0.000	0.000	4.634	0.000	0.000	0.000	0.000	0.000	3.735	0.000	0.000	0.000	0.000	0.000	6.698	0.000	0.000	6.698	0.44

Pollutant Name: Carbon Monoxide Temperature: 75F Relative Humidity: ALL

min	Light Duty Autos				Light Duty Truck 1				Light Duty Truck 2				Medium Duty Truck				Light-Heavy Duty Truck 1				Light-Heavy Duty Truck 2				Medium-Heavy Duty Truck				Heavy-Heavy Duty Truck				Line-Haul Vehicles				Urban Buses				Motorcycles				School Buses				Motor Homes				Total All	
	NCAT	CAT	DSL		NCAT	CAT	DSL		NCAT	CAT	DSL		NCAT	CAT	DSL		NCAT	CAT	DSL		NCAT	CAT	DSL		NCAT	CAT	DSL		NCAT	CAT	DSL		NCAT	CAT	DSL		NCAT	CAT	DSL		NCAT	CAT	DSL											
5	23.770	0.402	0.000		24.413	0.586	0.000		24.276	0.512	0.000		40.200	0.734	0.000		41.599	1.219	0.000		41.599	1.723	0.000		62.398	5.271	0.000		236.519	16.155	0.000		0.000	0.000	0.000		72.150	5.540	0.000		6.360	1.152	0.000		62.398	5.744	0.000		62.398	3.706	0.000		0.57	
10	21.049	0.791	0.000		21.618	1.151	0.000		21.497	1.006	0.000		35.598	1.442	0.000		36.837	2.395	0.000		36.837	3.381	0.000		55.255	10.329	0.000		209.443	31.653	0.000		0.000	0.000	0.000		63.891	10.854	0.000		5.632	2.257	0.000		55.255	11.254	0.000		55.255	7.262	0.000		1.04	
20	16.248	1.526	0.000		16.688	2.217	0.000		16.594	1.943	0.000		27.480	2.778	0.000		28.436	4.618	0.000		28.436	6.503	0.000		42.654	19.801	0.000		161.678	60.680	0.000		0.000	0.000	0.000		49.320	20.808	0.000		4.347	4.326	0.000		42.654	21.574	0.000		42.654	13.922	0.000		1.92	
30	12.304	2.206	0.000		12.637	3.196	0.000		12.566	2.812	0.000		20.809	4.007	0.000		21.533	6.668	0.000		21.533	9.366	0.000		32.299	28.416	0.000		122.429	87.082	0.000		0.000	0.000	0.000		37.347	29.862	0.000		3.292	6.209	0.000		32.299	30.961	0.000		32.299	19.980	0.000		2.73	
40	9.215	2.831	0.000		9.465	4.090	0.000		9.411	3.613	0.000		15.585	5.131	0.000		16.127	8.546	0.000		16.127	11.970	0.000		24.191	36.175	0.000		91.695	110.859	0.000		0.000	0.000	0.000		27.972	38.015	0.000		2.466	7.904	0.000		24.191	39.415	0.000		24.191	25.435	0.000		3.48	
50	6.982	3.401	0.000		7.171	4.898	0.000		7.131	4.345	0.000		11.809	6.149	0.000		12.220	10.252	0.000		12.220	14.314	0.000		18.329	43.076	0.000		69.477	132.009	0.000		0.000	0.000	0.000		21.194	45.268	0.000		1.868	9.412	0.000		18.329	46.935	0.000		18.329	30.288	0.000		4.16	
60	5.605	3.916	0.000		5.757	5.619	0.000		5.725	5.009	0.000		9.480	7.061	0.000		9.810	11.785	0.000		9.810	16.400	0.000		14.715	49.121	0.000		55.776	150.534	0.000		0.000	0.000	0.000		17.014	51.620	0.000		1.500	10.733	0.000		14.715	53.521	0.000		14.715	34.538	0.000		4.78	
120	15.112	5.735	0.000		15.521	8.040	0.000		15.434	7.391	0.000		25.557	10.158	0.000		26.447	17.082	0.000		26.447	23.233	0.000		39.670	67.345	0.000		150.367	206.382	0.000		0.000	0.000	0.000		45.870	70.771	0.000		4.043	14.715	0.000		39.670	73.377	0.000		39.670	47.352	0.000		6.95	
180	23.878	6.097	0.000		24.524	8.453	0.000		24.386	7.885	0.000		40.382	10.708	0.000		41.788	18.072	0.000		41.788	24.309	0.000		62.681	69.314	0.000		237.592	212.415	0.000		0.000	0.000	0.000		72.478	72.840	0.000		6.389	15.145	0.000		62.681	75.522	0.000		62.681	48.736	0.000		7.38	
240	31.714	6.434	0.000		32.573	8.846	0.000		32.390	8.343	0.000		53.636	11.227	0.000		55.503	19.001	0.000		55.503	25.345	0.000		83.254	71.347	0.000		315.573	218.647	0.000		0.000	0.000	0.000		96.265	74.977	0.000		8.485	15.589	0.000		83.254	77.738	0.000		83.254	50.166	0.000		7.78	
300	38.622	6.746	0.000		39.668	9.219	0.000		39.445	8.763	0.000		65.319	11.717	0.000		67.592	19.868	0.000		67.592	26.340	0.000		101.388	73.446	0.000		384.309	225.078	0.000		0.000	0.000	0.000		117.233	77.183	0.000		10.334	16.048	0.000		101.388	80.025	0.000		101.388	51.641	0.000		8.16	
360	44.601	7.032	0.000		45.808	9.570	0.000		45.551	9.147	0.000		75.431	12.176	0.000		78.055	20.675	0.000		78.055	27.295	0.000		117.083	75.609	0.000		443.801	231.708	0.000		0.000	0.000	0.000		135.381	79.456	0.000		11.933	16.520	0.000		117.083	82.382	0.000		117.083	53.162	0.000		8.50	
420	49.651	7.294	0.000		7.426	50.995	9.902	0.000		10.150	50.709	9.494	0.000		50.709	9.494	0.000		9.586	83.971	12.605	0.000		12.699	86.893	21.420	0.000		20.609	86.893	28.210	0.000		22.786	130.339	77.837	0.000		27.435	494.049	238.536	0.000		100.621	0.000	0.000	0.000		150.709	81.798	0.000		15.49	
480	53.772	7.529	0.000		7.675	55.227	10.213	0.000		10.489	54.917	9.804	0.000		9.804	9.804	0.000		9.909	90.940	13.004	0.000		13.122	94.104	22.105	0.000		21.311	94.104	29.084	0.000		23.492	141.157	80.130	0.000		28.383	535.052	245.564	0.000		104.056	0.000	0.000	0.000		163.217	84.207	0.000		16.37	
540	56.963	7.740	0.000		7.896	58.505	10.504	0.000		10.800	58.177	10.077	0.000		10.800	58.177	10.077	0.000		10.191	96.338	13.373	0.000		13.508	99.690	22.728	0.000		21.941	99.690	29.918	0.000		24.166	149.535	82.488	0.000		29.302	566.810	252.790	0.000		107.403	0.000	0.000	0.000		172.905	86.685	0.000		17.09
600	59.226	7.926	0.000		8.088	60.829	10.774	0.000		11.084	60.488	10.313	0.000		10.800	60.488	10.313	0.000		10.434	100.165	13.711	0.000		13.856	103.650	23.290	0.000		22.498	103.650	30.711	0.000		24.807	155.475	84.911	0.000		30.194	589.325	260.215	0.000		110.663	0.000	0.000	0.000		179.773	89.231	0.000		17.65
660	60.560	8.086	0.000		8.252	62.199	11.024	0.000		11.341	61.850	10.512	0.000		10.800	61.850	10.512	0.000		10.636	102.420	14.019	0.000		14.168	105.984	23.791	0.000		22.983	105.984	31.464	0.000		25.415	158.976	87.399	0.000		31.057	602.595	267.839	0.000		113.834	0.000	0.000	0.000		183.821	91.846	0.000		18.04
720	60.964	8.221	0.000		8.388	62.614	11.253	0.000		11.570	62.263	10.674	0.000		10.800	62.263	10.674	0.000		10.798	103.104	14.297	0.000		14.442	106.692	24.231	0.000		23.396	106.692	32.176	0.000		25.990	160.038	89.952	0.000		31.893	606.620	275.662	0.000		116.917	0.000	0.000	0.000		185.049	94.528	0.000		18.28

Pollutant Name: Oxides of Nitrogen Temperature: 75F Relative Humidity: ALL

min	Light Duty Autos				Light Duty Truck 1				Light Duty Truck 2				Medium Duty Truck				Light-Heavy Duty Truck 1				Light-Heavy Duty Truck 2				Medium-Heavy Duty Truck				Heavy-Heavy Duty Truck				Line-Haul Vehicles				Urban Buses				Motorcycles				School Buses				Motor Homes				Total All
	NCAT	CAT	DSL		NCAT	CAT	DSL		NCAT	CAT	DSL		NCAT	CAT	DSL		NCAT	CAT	DSL		NCAT	CAT	DSL		NCAT	CAT	DSL		NCAT	CAT	DSL		NCAT	CAT	DSL		NCAT	CAT	DSL		NCAT	CAT	DSL										
5	1.045	0.169	0.000		1.016	0.178	0.000		1.023	0.342	0.000		1.540	0.388	0.000		0.515	1.250	0.000		0.515	1.284	0.000		0.772	1.359	0.000		2.988	4.559	0.000		0.000	0.000	0.000		0.994	2.107	0.000		0.258	0.082	0.000		0.772	1.336	0.000		0.772	0.731	0.000		0.23
10	1.136	0.197	0.000		1.105	0.215	0.000		1.112	0.388	0.000		1.674	0.459	0.000		0.560	1.473	0.000		0.560	1.623	0.000		0.839	2.047	0.000		3.248	6.869	0.000		0.000	0.000	0.000		1.080	3.175	0.000		0.281	0.124	0.000		0.839	2.013	0.000		0.839	1.101	0.000		0.27
20	1.301	0.246	0.000		1.265	0.280	0.000		1.274	0.469	0.000		1.918	0.584	0.000		0.641	1.867	0.000		0.641	2.220	0.000		0.962	3.256	0.000		3.721	10.926	0.000		0.000	0.000	0.000		1.237	5.050	0.000		0.322	0.197	0.000		0.962	3.202	0.000		0.962	1.752	0.000		0.35
30	1.444	0.286	0.000		1.405	0.333	0.000		1.414	0.536	0.000		2.129	0.687	0.000		0.712	2.192	0.000		0.712	2.710	0.000		1.067	4.241	0.000		4.131	14.232	0.000		0.000	0.000	0.000		1.374	6.577	0.000		0.357	0.257	0.000		1.067	4.171	0.000		1.067	2.282	0.000		0.41
40	1.566	0.318	0.000		1.523	0.375	0.000		1.533	0.590	0.000		2.307	0.768	0.000		0.771	2.448	0.000		0.771	3.093	0.000		1.157	5.002	0.000		4.477	16.787	0.000		0.000	0.000	0.000		1.489	7.758	0.000		0.387	0.303	0.000		1.157	4.920	0.000		1.157	2.691	0.000		0.46
50	1.665	0.342	0.000		1.619	0.406	0.000		1.630	0.630	0.000		2.453	0.827	0.000		0.820	2.636	0.000		0.820	3.368	0.000		1.230	5.540	0.000		4.761	18.591	0.000		0.000	0.000	0.000		1.583	8.592	0.000		0.412	0.336	0.000		1.230	5.449	0.000		1.230	2.980	0.000		0.49
60	1.742	0.357	0.000		1.694	0.425	0.000		1.705	0.656	0.000		2.567	0.865	0.000		0.858	2.755	0.000		0.858	3.535	0.000		1.287	5.854	0.000		4.981	19.643	0.000		0.000	0.000	0.000		1.656	9.078	0.000		0.431	0.355	0.000		1.287	5.757	0.000		1.287	3.149	0.000		0.51
120	1.745	0.373	0.000		1.697	0.440	0.000		1.699	0.460	0.000		2.571	0.881	0.000		0.880	2.769	0.000		0.880	3.629	0.000		1.290	5.974	0.000		5.093	20.000	0.000		0.000	0.000	0.000		1.660	9.187	0.000		0.437	0.360	0.000		1.290	5.777	0.000		1.290	3.160	0.000		0.53
180	1.754	0.372	0.000		1.657	0.439	0.000		1.668	0.690	0.000		2.511	0.898	0.000		0.839	2.862	0.000		0.839	3.616	0.000		1.259	5.852	0.000		4.872	19.638	0.000		0.000	0.000	0.000		1.620	9.075	0.000		0.421	0.355	0.000		1.259	5.756	0.000		1.259	3.148	0.000		0.53
240	1.648	0.370	0.000		1.603	0.436	0.000		1.614	0.685	0.000		2.431	0.892	0.000		0.812	2.843	0.000		0.812	3.594	0.000		1.218	5.819	0.000		4.714	19.527	0.000		0.000	0.000	0.000		1.568	9.024	0.000		0.408	0.353	0.000		1.218	5.723	0.000		1.218	3.131	0.000		0.53
300	1.580	0.366	0.000		1.536	0.432	0.000		1.547	0.677	0.000		2.328	0.883	0.000		0.778	2.814	0.000		0.778	3.561	0.000		1.167	5.775	0.000		4.518	19.391	0.000		0.000	0.000	0.000		1.502	8.956	0.000		0.391	0.350	0.000		1.167	5.679	0.000		1.167	3.107	0.000		0.52
360	1.498	0.361	0.000		1.456	0.426	0.000		1.466	0.668	0.000		2.207	0.871	0.000		0.738	2.776	0.000		0.738	3.519	0.000		1.107	5.719	0.000		4.283	19.178	0.000		0.000	0.000	0.000		1.424	8.869	0.000		0.370	0.347	0.000		1.107	5.625	0.000		1.107	3.077	0.000		0.52
420	1.402	0.354	0.000		0.357	1.363	0.419	0.000	0.424	1.373	0.655	0.000	0.653	2.066	0.856	0.000	0.845	0.691	2.729	0.000	0.631	3.466	0.000	2.799	1.036	5.652	0.000	1.824	4.009	18.966	0.000	7.372	0.000	0.000	0.000	0.000	0.000	1.333	8.765	0.000	0.64												
480	1.293	0.347	0.000		0.349	1.257	0.411	0.000	0.415	1.266	0.640	0.000	0.638	1.905	0.838	0.000	0.827	0.637	2.671	0.000	0.649	3.403	0.000	2.748	0.955	5.573	0.000	1.797	3.697	18.702	0.000	7.265	0.000	0.000	0.000	0.000	0.000	1.229	8.643	0.000	0.62												
540	1.170	0.338	0.000		0.340	1.138	0.401	0.000	0.404	1.146	0.622	0.000	0.620	1.724	0.817	0.000	0.805	0.576	2.604	0.000	0.407	3.330	0.000	2.689	0.865	5.483	0.000	1.767	3.346	18.400	0.000	7.142	0.000	0.000	0.000	0.000	0.000	1.113	8.504	0.000	0.59												
600	1.034	0.327	0.000		0.329	1.005	0.390	0.000	0.392	1.012	0.602	0.000	0.599	1.524	0.794	0.000	0.781	0.509	2.528	0.000	0.235	3.235	0.000	2.509	0.847	5.382	0.000	1.732	2.957	18.060	0.000	7.005	0.000	0.000	0.000	0.000	0.000	0.983	8.346	0.000	0.57												
660	0.884	0.316	0.000		0.317	0.860	0.377	0.000	0.379	0.866	0.579	0.000	0.576	1.303	0.767	0.000	0.754	0.436	2.441	0.000	0.225	3.153	0.000	2.546	0.653	5.269	0.000	1.694	2.528	17.682	0.000	6.851	0.000	0.000	0.000	0.000	0.000	0.841	8.172	0.000	0.53												
720	0.721	0.303	0.000		0.304	0.701	0.363	0.000	0.364	0.764	0.553	0.000	0.550	1.063	0.737	0.000	0.724	0.355	2.346	0.000	0.216	3.055	0.000	2.463	0.533	5.145	0.000	1.652	2.062	17.265	0.000	6.683	0.000	0.000	0.000	0.000	0.000	0.686	7.979	0.000	0.50												

Pollutant Name: Sulfur Dioxide				Temperature: 75F				Relative Humidity: ALL																																														
Time min	Light Duty Autos				Light Duty Truck 1				Light Duty Truck 2				Medium Duty Truck				Light-Heavy Duty Truck 1				Light-Heavy Duty Truck 2				Medium-Heavy Duty Truck				Heavy-Heavy Duty Truck				Line-Haul Vehicles				Urban Buses				Motorcycles				School Buses				Motor Homes				Total All	
	NCAT	CAT	DSL		NCAT	CAT	DSL		NCAT	CAT	DSL		NCAT	CAT	DSL		NCAT	CAT	DSL		NCAT	CAT	DSL		NCAT	CAT	DSL		NCAT	CAT	DSL		NCAT	CAT	DSL		NCAT	CAT	DSL		NCAT	CAT	DSL											
5	0.002	0.000	0.000		0.002	0.000	0.000		0.002	0.000	0.000		0.002	0.000	0.000		0.003	0.000	0.000		0.003	0.000	0.000		0.003	0.000	0.000		0.006	0.000	0.000		1.350	0.000	0.000		0.003	0.000	0.000		0.001	0.000	0.209	0.003	0.000	0.000	0.003	0.000	0.000	0.003	0.001	0.000	0.000	
10	0.002	0.000	0.000		0.002	0.000	0.000		0.002	0.000	0.000		0.002	0.000	0.000		0.003	0.000	0.000		0.003	0.000	0.000		0.003	0.000	0.000		0.006	0.001	0.000		1.350	0.000	0.000		0.003	0.000	0.000		0.001	0.000	0.209	0.003	0.000	0.000	0.003	0.000	0.000	0.003	0.000	0.000	0.000	
20	0.002	0.000	0.000		0.002	0.000	0.000		0.002	0.000	0.000		0.002	0.000	0.000		0.003	0.000	0.000		0.003	0.000	0.001		0.003	0.000	0.000		0.005	0.002	0.000		1.350	0.000	0.000		0.003	0.001	0.000		0.001	0.000	0.209	0.003	0.001	0.000	0.003	0.001	0.000	0.003	0.001	0.000	0.000	
30	0.002	0.000	0.000		0.002	0.000	0.000		0.002	0.000	0.000		0.002	0.000	0.000		0.003	0.001	0.000		0.003	0.001	0.000		0.003	0.001	0.000		0.005	0.002	0.000		1.350	0.000	0.000		0.003	0.001	0.000		0.001	0.000	0.209	0.003	0.001	0.000	0.003	0.001	0.000	0.003	0.001	0.000	0.000	
40	0.002	0.000	0.000		0.002	0.000	0.000		0.002	0.000	0.000		0.002	0.001	0.000		0.003	0.001	0.000		0.003	0.001	0.000		0.003	0.001	0.000		0.005	0.003	0.000		1.350	0.000	0.000		0.003	0.004	0.001		0.000	0.001	0.000	0.209	0.003	0.001	0.000	0.003	0.001	0.000	0.003	0.001	0.000	0.000
50	0.002	0.000	0.000		0.002	0.001	0.000		0.002	0.000	0.000		0.003	0.001	0.000		0.003	0.001	0.000		0.003	0.001	0.000		0.003	0.001	0.000		0.005	0.003	0.000		1.350	0.000	0.000		0.003	0.004	0.002		0.000	0.001	0.000	0.209	0.004	0.002	0.000	0.004	0.001	0.000	0.004	0.001	0.000	0.000
60	0.002	0.000	0.000		0.002	0.001	0.000		0.002	0.000	0.000		0.003	0.001	0.000		0.003	0.001	0.000		0.003	0.001	0.000		0.003	0.001	0.000		0.005	0.004	0.000		1.350	0.000	0.000		0.003	0.004	0.002		0.001	0.000	0.209	0.004	0.002	0.000	0.004	0.001	0.000	0.004	0.001	0.000	0.000	
120	0.003	0.001	0.000		0.003	0.001	0.000		0.003	0.001	0.000		0.004	0.002	0.000		0.005	0.002	0.000		0.005	0.002	0.000		0.005	0.002	0.000		0.006	0.003	0.000		1.350	0.000	0.000		0.006	0.003	0.000		0.001	0.001	0.209	0.005	0.003	0.000	0.005	0.003	0.000	0.005	0.003	0.000	0.000	
180	0.003	0.001	0.000		0.003	0.001	0.000		0.003	0.001	0.000		0.004	0.002	0.000		0.005	0.002	0.000		0.005	0.003	0.000		0.006	0.003	0.000		0.009	0.006	0.000		1.350	0.000	0.000		0.006	0.004	0.000		0.001	0.001	0.209	0.006	0.004	0.000	0.006	0.003	0.000	0.006	0.003	0.000	0.000	
240	0.003	0.001	0.000		0.003	0.002	0.000		0.003	0.002	0.000		0.004	0.002	0.000		0.005	0.003	0.000		0.005	0.003	0.000		0.006	0.004	0.000		0.010	0.007	0.000		1.350	0.000	0.000		0.006	0.004	0.000		0.001	0.001	0.209	0.006	0.004	0.000	0.006	0.003	0.000	0.006	0.003	0.000	0.000	
300	0.004	0.001	0.000		0.004	0.002	0.000		0.004	0.002	0.000		0.005	0.002	0.000		0.006	0.003	0.000		0.006	0.003	0.000		0.006	0.004	0.000		0.011	0.007	0.000		1.350	0.000	0.000		0.007	0.004	0.000		0.001	0.001	0.209	0.006	0.004	0.000	0.006	0.004	0.000	0.006	0.004	0.000	0.000	
360	0.004	0.001	0.000		0.004	0.002	0.000		0.004	0.002	0.000		0.005	0.003	0.000		0.006	0.003	0.000		0.006	0.003	0.000		0.007	0.004	0.000		0.012	0.008	0.000		1.350	0.000	0.000		0.007	0.005	0.000		0.001	0.001	0.209	0.007	0.005	0.000	0.007	0.004	0.000	0.007	0.004	0.000	0.000	
420	0.004	0.002	0.000		0.002	0.004	0.002		0.000	0.002	0.004		0.002	0.000	0.002		0.005	0.003	0.000		0.003	0.006	0.004		0.003	0.006	0.004		0.003	0.007	0.005		0.000	0.002	0.013		0.008	0.000	0.003		1.350	0.000	0.000	0.000	0.007	0.005	0.000	0.000	0.000	0.000	0.000			
480	0.004	0.002	0.000		0.002	0.004	0.002		0.000	0.002	0.004		0.002	0.000	0.002		0.005	0.003	0.000		0.003	0.006	0.004		0.003	0.006	0.004		0.003	0.007	0.005		0.000	0.002	0.014		0.008	0.000	0.003		1.350	0.000	0.000	0.000	0.008	0.005	0.000	0.008	0.005	0.000	0.000			
540	0.004	0.002	0.000		0.002	0.004	0.002		0.000	0.002	0.004		0.002	0.000	0.002		0.005	0.003	0.000		0.003	0.006	0.004		0.003	0.006	0.004		0.003	0.007	0.005		0.000	0.002	0.014		0.009	0.000	0.004		1.350	0.000	0.000	0.000	0.008	0.005	0.000	0.008	0.005	0.000	0.000			
600	0.004	0.002	0.000		0.002	0.004	0.002		0.000	0.002	0.004		0.002	0.000	0.002		0.005	0.003	0.000		0.003	0.006	0.004		0.003	0.006	0.004		0.004	0.007	0.006		0.000	0.002	0.015		0.009	0.000	0.004		1.350	0.000	0.000	0.000	0.008	0.006	0.000	0.008	0.006	0.000	0.000			
660	0.004	0.002	0.000		0.002	0.004	0.003		0.000	0.003	0.004		0.003	0.000	0.003		0.005	0.004	0.000		0.003	0.006	0.005		0.004	0.006	0.005		0.004	0.008	0.006		0.000	0.002	0.015		0.009	0.000	0.004		1.350	0.000	0.000	0.000	0.008	0.006	0.000	0.008	0.006	0.000	0.000			
720	0.004	0.002	0.000		0.002	0.004	0.003		0.000	0.003	0.004		0.003	0.000	0.003		0.005	0.004	0.000		0.004	0.006	0.005		0.004	0.006	0.005		0.004	0.008	0.006		0.000	0.002	0.015		0.010	0.000	0.004		1.350	0.000	0.000	0.000	0.008	0.006	0.000	0.008	0.006	0.000	0.000			

Pollutant Name: PM10				Temperature: 75F				Relative Humidity: ALL																																													
Time min	Light Duty Autos				Light Duty Truck 1				Light Duty Truck 2				Medium Duty Truck				Light-Heavy Duty Truck 1				Light-Heavy Duty Truck 2				Medium-Heavy Duty Truck				Heavy-Heavy Duty Truck				Line-Haul Vehicles				Urban Buses				Motorcycles				School Buses				Motor Homes				Total All
	NCAT	CAT	Autos	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL													
5	0.011	0.001	0.000		0.011	0.001	0.000	0.012	0.002	0.000	0.012	0.002	0.000	0.011	0.001	0.000	0.011	0.001	0.000	0.011	0.002	0.000	0.000	0.000	0.000	0.011	0.002	0.000	0.020	0.000	0.000	0.011	0.001	0.000	0.011	0.000	0.000	0.011	0.000	0.000	0.000	0.000	0.000										
10	0.010	0.001	0.000		0.010	0.002	0.000	0.010	0.003	0.000	0.010	0.003	0.000	0.010	0.002	0.000	0.010	0.002	0.000	0.010	0.003	0.000	0.000	0.000	0.000	0.010	0.003	0.000	0.010	0.000	0.000	0.010	0.002	0.000	0.010	0.001	0.000	0.010	0.001	0.000	0.010	0.000	0.000	0.000	0.000								
20	0.008	0.003	0.000		0.007	0.003	0.000	0.008	0.006	0.000	0.008	0.006	0.000	0.008	0.004	0.000	0.008	0.005	0.000	0.008	0.007	0.000	0.000	0.000	0.000	0.008	0.006	0.000	0.013	0.001	0.000	0.008	0.004	0.000	0.008	0.001	0.000	0.008	0.001	0.000	0.008	0.000	0.000	0.000	0.000								
30	0.006	0.004	0.000		0.006	0.004	0.000	0.006	0.008	0.000	0.006	0.009	0.000	0.006	0.005	0.000	0.006	0.006	0.000	0.006	0.007	0.000	0.000	0.000	0.000	0.006	0.008	0.000	0.010	0.001	0.000	0.006	0.006	0.000	0.006	0.002	0.000	0.006	0.002	0.000	0.006	0.000	0.000	0.000	0.000								
40	0.004	0.005	0.000		0.004	0.006	0.000	0.004	0.011	0.000	0.004	0.012	0.000	0.004	0.007	0.000	0.004	0.008	0.000	0.004	0.009	0.000	0.004	0.012	0.000	0.000	0.004	0.012	0.000	0.008	0.001	0.000	0.004	0.008	0.000	0.004	0.002	0.000	0.004	0.002	0.000	0.004	0.000	0.000	0.000								
50	0.003	0.006	0.000		0.003	0.007	0.000	0.003	0.013	0.000	0.003	0.014	0.000	0.003	0.008	0.000	0.003	0.010	0.000	0.003	0.010	0.000	0.003	0.014	0.000	0.003	0.014	0.000	0.000	0.003	0.015	0.000	0.006	0.005	0.002	0.003	0.003	0.009	0.000	0.003	0.003	0.000	0.003	0.000	0.001								
60	0.003	0.007	0.000		0.003	0.008	0.000	0.003	0.015	0.000	0.003	0.016	0.000	0.003	0.010	0.000	0.003	0.012	0.000	0.003	0.012	0.000	0.003	0.014	0.000	0.003	0.015	0.000	0.005	0.002	0.000	0.003	0.010	0.000	0.003	0.010	0.000	0.003	0.003	0.000	0.003	0.000	0.001										
120	0.007	0.010	0.000		0.007	0.010	0.000	0.007	0.024	0.000	0.007	0.024	0.000	0.007	0.014	0.000	0.007	0.016	0.000	0.007	0.016	0.000	0.007	0.023	0.000	0.007	0.023	0.000	0.017	0.020	0.000	0.023	0.013	0.000	0.023	0.014	0.000	0.023	0.004	0.000	0.023	0.000	0.000	0.000									
180	0.011	0.011	0.000		0.011	0.012	0.000	0.012	0.025	0.000	0.012	0.026	0.000	0.011	0.015	0.000	0.011	0.016	0.000	0.011	0.017	0.000	0.011	0.023	0.000	0.011	0.023	0.000	0.021	0.020	0.000	0.020	0.002	0.000	0.011	0.015	0.000	0.011	0.004	0.000	0.011	0.000	0.000	0.000									
240	0.015	0.012	0.000		0.014	0.013	0.000	0.015	0.026	0.000	0.015	0.027	0.000	0.015	0.015	0.000	0.015	0.017	0.000	0.015	0.017	0.000	0.015	0.024	0.000	0.015	0.024	0.000	0.015	0.021	0.000	0.026	0.002	0.000	0.015	0.015	0.000	0.015	0.004	0.000	0.015	0.000	0.000	0.000									
300	0.018	0.013	0.000		0.018	0.014	0.000	0.019	0.028	0.000	0.019	0.029	0.000	0.018	0.016	0.000	0.018	0.018	0.000	0.018	0.018	0.000	0.018	0.025	0.000	0.018	0.025	0.000	0.018	0.022	0.000	0.032	0.003	0.000	0.018	0.016	0.000	0.018	0.004	0.000	0.018	0.000	0.000	0.000									
360	0.021	0.013	0.000		0.020	0.014	0.000	0.022	0.029	0.000	0.022	0.030	0.000	0.021	0.017	0.000	0.021	0.018	0.000	0.021	0.018	0.000	0.021	0.025	0.000	0.021	0.025	0.000	0.021	0.023	0.000	0.037	0.003	0.000	0.021	0.016	0.000	0.021	0.005	0.000	0.021	0.000	0.000	0.000									
420	0.023	0.014	0.000		0.014	0.023	0.015	0.000	0.015	0.024	0.030	0.000	0.030	0.024	0.031	0.000	0.030	0.023	0.017	0.000	0.016	0.023	0.019	0.000	0.015	0.023	0.019	0.000	0.006	0.023	0.026	0.000	0.010	0.000	0.000	0.000	0.023	0.023	0.000	0.010	0.000	0.000	0.000										
480	0.025	0.014	0.000		0.014	0.024	0.015	0.000	0.015	0.026	0.031	0.000	0.031	0.026	0.032	0.000	0.031	0.025	0.017	0.000	0.017	0.025	0.019	0.000	0.016	0.025	0.019	0.000	0.007	0.025	0.027	0.000	0.011	0.000	0.000	0.000	0.025	0.024	0.000	0.010	0.000	0.000	0.000										
540	0.027	0.014	0.000		0.014	0.026	0.016	0.000	0.016	0.028	0.032	0.000	0.032	0.028	0.033	0.000	0.032	0.027	0.018	0.000	0.017	0.027	0.020	0.000	0.016	0.027	0.020	0.000	0.007	0.027	0.028	0.000	0.011	0.000	0.000	0.000	0.027	0.025	0.000	0.010	0.000	0.000	0.000										
600	0.028	0.015	0.000		0.015	0.027	0.016	0.000	0.016	0.029	0.033	0.000	0.033	0.029	0.034	0.000	0.033	0.028	0.019	0.000	0.018	0.028	0.020	0.000	0.017	0.028	0.020	0.000	0.007	0.028	0.029	0.000	0.011	0.000	0.000	0.000	0.028	0.025	0.000	0.010	0.000	0.000	0.000										
660	0.029	0.015	0.000		0.015	0.028	0.016	0.000	0.016	0.029	0.033	0.000	0.033	0.030	0.034	0.000	0.034	0.029	0.019	0.000	0.018	0.029	0.021	0.000	0.017	0.029	0.021	0.000	0.007	0.029	0.029	0.000	0.012	0.000	0.000	0.000	0.029	0.026	0.000	0.010	0.000	0.000	0.000										
720	0.029	0.015	0.000		0.015	0.028	0.017	0.000	0.017	0.030	0.034	0.000	0.033	0.030	0.035	0.000	0.034	0.029	0.020	0.000	0.018	0.029	0.021	0.000	0.017	0.029	0.022	0.000	0.007	0.029	0.030	0.000	0.012	0.000	0.000	0.000	0.029	0.027	0.000	0.010	0.000	0.000	0.000										

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Title   : Los Angeles County Avg 2013 Summer 75°F
Version : Emfac2002 V2.2 Sept 23 2002
Run Date : 03/19/03 15:10:03
Scen Year: 2013 -- Model Years: 1968 to 2013
Season   : Summer
Area     : Los Angeles County
=====
Year:      2013      -- Model Years      1968 to      2013 Inclusive --      Summer
Emfac2002 Emission Factors: V2.2 Sept 23 2002

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County Average	Los Angeles Count	County Average
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Table 4: Hot Soak Emissions (grams/trip)

Pollutant Name: Reactive Org Gases				Temperature: 75F				Relative Humidity: ALL																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
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Hot soak results are scaled to reflect zero emissions for trip lengths of less than 5 minutes (about 25% of in-use trips).

Title : Los Angeles County Avg 2013 Summer 75°F
Version : Emfac2002 V2.2 Sept 23 2002
Run Date : 03/19/03 15:10:03
Scen Year: 2013 -- Model Years: 1968 to 2013
Season : Summer
Area : Los Angeles County

Year: 2013 -- Model Years 1968 to 2013 Inclusive --
Emfac2002 Emission Factors: V2.2 Sept 23 2002

County Average Los Angeles Count County Average

Table 5a: Partial Day Diurnal Loss Emissions (grams/hour)

Pollutant Name: Reactive Org Gases Temperature: ALL Relative Humidity: ALL

Temp degF	Light Duty Autos			Light Duty Truck 1			Light Duty Truck 2			Medium Duty Truck			Light-Heavy Duty Truck 1			Light-Heavy Duty Truck 2			Medium-Heavy Duty Truck			Heavy-Heavy Duty Truck			Line-Haul Vehicles			Urban Buses			Motorcycles			School Buses			Motor Homes		
	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL
75	1.030	0.121	0.000	1.008	0.169	0.000	1.023	0.121	0.000	0.580	0.155	0.000	0.052	0.004	0.000	0.053	0.007	0.000	0.052	0.009	0.000	0.047	0.011	0.000	0.000	0.000	0.000	0.043	0.008	0.000	0.068	0.524	0.000	0.052	0.014	0.000	0.055	0.014	0.000

Title : Los Angeles County Avg 2013 Summer 75°F
Version : Emfac2002 V2.2 Sept 23 2002
Run Date : 03/19/03 15:10:03
Scen Year: 2013 -- Model Years: 1968 to 2013
Season : Summer
Area : Los Angeles County

Year: 2013 -- Model Years 1968 to 2013 Inclusive --
Emfac2002 Emission Factors: V2.2 Sept 23 2002

County Average Los Angeles Count County Average

Table 5b: Multi-Day Diurnal Loss Emissions (grams/hour)

Pollutant Name: Reactive Org Gases Temperature: ALL Relative Humidity: ALL

Temp degF	Light Duty Autos			Light Duty Truck 1			Light Duty Truck 2			Medium Duty Truck			Light-Heavy Duty Truck 1			Light-Heavy Duty Truck 2			Medium-Heavy Duty Truck			Heavy-Heavy Duty Truck			Line-Haul Vehicles			Urban Buses			Motorcycles			School Buses			Motor Homes		
	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL
75	0.062	0.010	0.000	0.060	0.014	0.000	0.061	0.010	0.000	0.035	0.012	0.000	0.002	0.000	0.000	0.002	0.000	0.000	0.002	0.000	0.000	0.002	0.001	0.000	0.000	0.000	0.000	0.010	0.002	0.000	0.004	0.050	0.000	0.002	0.001	0.000	0.002	0.001	0.000

Title : Los Angeles County Avg 2013 Summer 75°F
Version : Emfac2002 V2.2 Sept 23 2002
Run Date : 03/19/03 15:10:03
Scen Year: 2013 -- Model Years: 1968 to 2013
Season : Summer
Area : Los Angeles County

Year: 2013 -- Model Years 1968 to 2013 Inclusive --
Emfac2002 Emission Factors: V2.2 Sept 23 2002

County Average Los Angeles Count County Average

Table 6a: Partial Day Resting Loss Emissions (grams/hour)

Pollutant Name: Reactive Org Gases Temperature: ALL Relative Humidity: ALL

Temp degF	Light Duty Autos			Light Duty Truck 1			Light Duty Truck 2			Medium Duty Truck			Light-Heavy Duty Truck 1			Light-Heavy Duty Truck 2			Medium-Heavy Duty Truck			Heavy-Heavy Duty Truck			Line-Haul Vehicles			Urban Buses			Motorcycles			School Buses			Motor Homes		
	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL
75	0.508	0.051	0.000	0.512	0.071	0.000	0.524	0.055	0.000	0.294	0.068	0.000	0.028	0.002	0.000	0.030	0.003	0.000	0.028	0.004	0.000	0.025	0.006	0.000	0.000	0.000	0.000	0.022	0.004	0.000	0.029	0.161	0.000	0.028	0.007	0.000	0.030	0.007	0.000

Title : Los Angeles County Avg 2013 Summer 75°F
Version : Emfac2002 V2.2 Sept 23 2002
Run Date : 03/19/03 15:10:03
Scen Year: 2013 -- Model Years: 1968 to 2013
Season : Summer
Area : Los Angeles County

Year: 2013 -- Model Years 1968 to 2013 Inclusive -- Summer
Emfac2002 Emission Factors: V2.2 Sept 23 2002

County Average Los Angeles Count County Average

Table 6b: Multi-Day Resting Loss Emissions (grams/hour)

Pollutant Name: Reactive Org Gases Temperature: ALL Relative Humidity: ALL

Temp degF	Light Duty Autos			Light Duty Truck 1			Light Duty Truck 2			Medium Duty Truck			Light-Heavy Duty Truck 1			Light-Heavy Duty Truck 2			Medium-Heavy Duty Truck			Heavy-Heavy Duty Truck			Line-Haul Vehicles			Urban Buses			Motorcycles			School Buses			Motor Homes		
	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL
75	0.032	0.004	0.000	0.032	0.006	0.000	0.033	0.004	0.000	0.019	0.005	0.000	0.001	0.000	0.000	0.001	0.000	0.000	0.001	0.000	0.000	0.001	0.000	0.000	0.000	0.000	0.000	0.005	0.001	0.000	0.002	0.016	0.000	0.001	0.000	0.000	0.001	0.000	0.000

Title : Los Angeles County Avg 2013 Summer 75°F
Version : Emfac2002 V2.2 Sept 23 2002
Run Date : 03/19/03 15:10:03
Scen Year: 2013 -- Model Years: 1968 to 2013
Season : Summer
Area : Los Angeles County

Year: 2013 -- Model Years 1968 to 2013 Inclusive -- Summer
Emfac2002 Emission Factors: V2.2 Sept 23 2002

County Average Los Angeles Count County Average

Table 7: Estimated Travel Fractions

Pollutant Name: Temperature: ALL Relative Humidity: ALL

	Light Duty Autos			Light Duty Truck 1			Light Duty Truck 2			Medium Duty Truck			Light-Heavy Duty Truck 1			Light-Heavy Duty Truck 2			Medium-Heavy Duty Truck			Heavy-Heavy Duty Truck			Line-Haul Vehicles			Urban Buses			Motorcycles			School Buses			Motor Homes		
	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL			
%VMT	0.10%	58.60%	0.10%	0.10%	10.40%	0.10%	0.10%	16.30%	0.10%	0.00%	6.50%	0.10%	0.00%	0.90%	0.20%	0.00%	0.20%	0.20%	0.00%	0.20%	1.10%	0.00%	0.10%	3.30%	0.00%	0.00%	0.00%	0.00%	0.20%	0.30%	0.10%	0.10%	0.00%	0.00%	0.00%	0.10%	0.00%	0.30%	0.00%
%TRIP	0.20%	55.90%	0.10%	0.10%	9.80%	0.10%	0.10%	15.60%	0.10%	0.00%	6.20%	0.10%	0.00%	3.70%	0.30%	0.00%	1.00%	0.20%	0.10%	1.60%	3.30%	0.00%	0.40%	0.60%	0.00%	0.00%	0.00%	0.00%	0.20%	0.20%	0.00%	0.00%	0.00%	0.10%	0.00%	0.00%	0.00%	0.00%	
%VEH	0.30%	59.50%	0.10%	0.10%	10.60%	0.10%	0.10%	16.60%	0.10%	0.10%	6.60%	0.10%	0.00%	0.70%	0.10%	0.00%	0.20%	0.10%	0.00%	0.20%	0.80%	0.00%	0.10%	0.80%	0.00%	0.00%	0.00%	0.00%	0.10%	0.10%	0.70%	0.60%	0.00%	0.00%	0.00%	0.10%	0.00%	0.90%	0.10%

Title : Los Angeles County Avg 2013 Winter 60°F
Version : Emfac2002 V2.2 Sept 23 2002
Run Date : 03/19/03 15:13:48
Seen Year: 2013 -- Model Years: 1968 to 2013
Season : Winter
Area : Los Angeles County
Year: 2013 -- Model Years 1968 to 2013 Inclusive -- Winter
Emfac2002 Emission Factors: V2.2 Sept 23 2002

County Average Los Angeles Count County Average

Table 1: Running Exhaust Emissions (grams / mile)

Pollutant Name: Reactive Org Gases Temperature: 60F Relative Humidity: 70%

Speed MPH	Light Duty Autos				Light Duty Truck 1				Light Duty Truck 2				Medium Duty Truck				Light-Heavy Duty Truck 1				Light-Heavy Duty Truck 2				Medium-Heavy Duty Truck				Heavy-Heavy Duty Truck				Line-Haul Vehicles				Urban Buses				Motorcycles				School Buses				Motor Homes				Total All
	NCAT	CAT	DSL		NCAT	CAT	DSL		NCAT	CAT	DSL		NCAT	CAT	DSL		NCAT	CAT	DSL		NCAT	CAT	DSL		NCAT	CAT	DSL		NCAT	CAT	DSL		NCAT	CAT	DSL		NCAT	CAT	DSL														
5	20.077	0.273	0.697		20.497	0.460	0.403		20.560	0.401	0.261		24.569	0.638	0.247		20.054	0.286	0.637		20.054	0.472	0.709		30.131	1.789	0.662		80.193	14.535	0.961		0.000	0.000	0.000		37.737	8.361	2.583		6.130	4.007	0.000		30.131	5.089	1.065		30.131	1.655	0.306		0.48
10	14.269	0.176	0.547		14.568	0.307	0.317		14.613	0.262	0.205		17.468	0.420	0.194		13.106	0.184	0.500		13.106	0.304	0.557		19.709	1.159	0.520		52.512	9.492	0.754		0.000	0.000	0.000		24.692	5.468	1.874		4.821	2.931	0.000		19.709	3.313	0.836		19.709	1.076	0.241		0.32
15	10.608	0.119	0.439		10.831	0.215	0.254		10.864	0.180	0.164		12.992	0.290	0.155		8.920	0.125	0.402		8.920	0.206	0.447		13.430	0.781	0.417		35.834	6.454	0.605		0.000	0.000	0.000		16.833	3.725	1.408		3.968	2.259	0.000		13.430	2.245	0.671		13.430	0.727	0.193		0.23
20	8.251	0.086	0.360		8.425	0.158	0.208		8.451	0.130	0.135		10.110	0.210	0.127		6.323	0.088	0.329		6.323	0.144	0.367		9.533	0.546	0.342		25.483	4.570	0.497		0.000	0.000	0.000		11.956	2.645	1.095		3.419	1.836	0.000		9.533	1.582	0.551		9.533	0.511	0.158		0.17
25	6.715	0.065	0.302		6.857	0.122	0.175		6.878	0.099	0.113		8.232	0.160	0.107		4.667	0.065	0.276		4.667	0.105	0.308		7.049	0.397	0.287		18.886	3.370	0.416		0.000	0.000	0.000		8.847	1.957	0.882		3.085	1.574	0.000		7.049	1.161	0.462		7.049	0.374	0.133		0.13
30	5.720	0.052	0.259		5.841	0.098	0.150		5.859	0.079	0.097		7.015	0.128	0.092		3.589	0.050	0.237		3.589	0.080	0.264		5.431	0.301	0.246		14.587	2.589	0.357		0.000	0.000	0.000		6.822	1.509	0.736		2.917	1.426	0.000		5.431	0.887	0.396		5.431	0.285	0.114		0.11
35	5.101	0.044	0.227		5.210	0.084	0.131		5.226	0.067	0.085		6.259	0.107	0.080		2.876	0.040	0.208		2.876	0.064	0.231		4.361	0.237	0.216		11.743	2.073	0.313		0.000	0.000	0.000		5.482	1.212	0.636		2.890	1.366	0.000		4.361	0.706	0.347		4.361	0.227	0.100		0.09
40	4.764	0.039	0.203		4.865	0.075	0.118		4.880	0.059	0.076		5.846	0.095	0.072		2.402	0.033	0.186		2.402	0.053	0.207		3.650	0.196	0.193		9.854	1.731	0.280		0.000	0.000	0.000		4.592	1.016	0.569		3.001	1.383	0.000		3.650	0.587	0.311		3.650	0.188	0.089		0.09
45	4.660	0.036	0.186		4.759	0.070	0.108		4.774	0.056	0.070		5.719	0.089	0.066		2.093	0.029	0.170		2.093	0.045	0.190		3.186	0.169	0.177		8.621	1.508	0.257		0.000	0.000	0.000		4.012	0.887	0.528		3.264	1.479	0.000		3.186	0.510	0.285		3.186	0.163	0.082		0.08
50	4.774	0.036	0.174		4.875	0.069	0.101		4.890	0.055	0.065		5.858	0.087	0.062		1.904	0.026	0.159		1.904	0.041	0.177		2.902	0.152	0.166		7.865	1.371	0.240		0.000	0.000	0.000		3.655	0.808	0.507		3.720	1.672	0.000		2.902	0.462	0.266		2.902	0.147	0.077		0.08
55	5.122	0.037	0.167		5.231	0.071	0.097		5.247	0.057	0.062		6.284	0.090	0.059		1.808	0.025	0.153		1.808	0.039	0.170		2.758	0.144	0.158		7.482	1.302	0.230		0.000	0.000	0.000		3.475	0.768	0.504		4.439	1.994	0.000		2.758	0.438	0.255		2.758	0.140	0.073		0.08
60	5.755	0.040	0.163		5.877	0.078	0.094		5.895	0.062	0.061		7.058	0.098	0.058		1.794	0.025	0.149		1.794	0.039	0.166		2.736	0.143	0.155		7.424	1.292	0.225		0.000	0.000	0.000		3.448	0.762	0.518		5.543	2.507	0.000		2.736	0.435	0.249		2.736	0.139	0.072		0.09
65	6.769	0.046	0.163		6.913	0.089	0.094		6.934	0.071	0.061		8.299	0.113	0.058		1.858	0.026	0.149		1.858	0.040	0.166		2.833	0.148	0.155		7.682	1.338	0.225		0.000	0.000	0.000		3.569	0.789	0.553		7.243	3.320	0.000		2.833	0.451	0.249		2.833	0.144	0.072		0.10

Pollutant Name: Carbon Monoxide Temperature: 60F Relative Humidity: 70%

Speed MPH	Light Duty Autos			Light Duty Truck 1			Light Duty Truck 2			Medium Duty Truck			Light-Heavy Duty Truck 1			Light-Heavy Duty Truck 2			Medium-Heavy Duty Truck			Heavy-Heavy Duty Truck			Line-Haul Vehicles			Urban Buses			Motorcycles			School Buses			Motor Homes			Total All
	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL				
5	167.339	3.728	3.020	171.119	7.559	2.566	170.245	5.840	2.073	275.303	7.326	2.035	370.678	3.209	3.226	370.678	5.850	3.324	556.017	22.885	6.187	2030.743	161.309	5.776	0.000	0.000	0.000	642.915	47.397	15.413	45.791	14.482	0.000	556.017	56.919	9.649	556.017	33.697	3.036	5.75
10	121.968	3.270	2.082	124.723	6.349	1.770	124.086	5.041	1.429	200.659	6.240	1.403	246.616	2.135	2.224	246.616	3.892	2.292	369.925	15.225	4.266	1351.077	107.321	3.983	0.000	0.000	0.000	427.739	31.534	9.701	37.555	12.838	0.000	369.925	37.869	6.653	369.925	22.419	2.094	4.75
15	93.620	2.908	1.503	95.734	5.465	1.277	95.246	4.430	1.031	154.021	5.432	1.013	173.354	1.501	1.605	173.354	2.736	1.654	260.031	10.702	3.078	949.711	75.439	2.874	0.000	0.000	0.000	300.670	22.166	6.483	32.437	11.598	0.000	260.031	26.619	4.801	260.031	15.759	1.511	4.05
20	75.677	2.615	1.135	77.387	4.802	0.964	76.992	3.952	0.779	124.503	4.813	0.765	128.745	1.114	1.212	128.745	2.032	1.249	193.118	7.948	2.325	705.324	56.026	2.171	0.000	0.000	0.000	223.299	16.462	4.601	29.504	10.657	0.000	193.118	19.769	3.626	193.118	11.704	1.141	3.54
25	64.422	2.374	0.897	65.878	4.296	0.762	65.541	3.570	0.616	105.986	4.331	0.605	101.022	0.874	0.958	101.022	1.594	0.987	151.532	6.237	1.838	553.442	43.962	1.716	0.000	0.000	0.000	175.215	12.917	3.467	28.261	9.956	0.000	151.532	15.512	2.866	151.532	9.184	0.902	3.15
30	57.754	2.174	0.742	59.059	3.907	0.630	58.757	3.262	0.509	95.016	3.951	0.500	83.750	0.725	0.792	83.750	1.322	0.817	125.625	5.170	1.520	458.820	36.446	1.419	0.000	0.000	0.000	145.258	10.709	2.774	28.509	9.466	0.000	125.625	12.860	2.371	125.625	7.613	0.746	2.86
35	54.526	2.008	0.642	55.758	3.610	0.546	55.473	3.014	0.441	89.705	3.653	0.433	73.357	0.635	0.686	73.357	1.158	0.707	110.035	4.529	1.316	401.882	31.923	1.228	0.000	0.000	0.000	127.232	9.380	2.357	30.286	9.185	0.000	110.035	11.264	2.052	110.035	6.669	0.646	2.64
40	54.213	1.871	0.582	55.437	3.392	0.494	55.154	2.817	0.399	89.190	3.424	0.392	67.886	0.588	0.622	67.886	1.071	0.640	101.829	4.191	1.192	371.912	29.542	1.113	0.000	0.000	0.000	117.744	8.680	2.126	33.883	9.135	0.000	101.829	10.424	1.859	101.829	6.171	0.585	2.48
45	56.764	1.759	0.552	58.046	3.244	0.469	57.750	2.665	0.379	93.387	3.258	0.372	66.376	0.575	0.589	66.376	1.048	0.607	99.564	4.098	1.130	363.637	28.885	1.055	0.000	0.000	0.000	115.124	8.487	2.036	39.921	9.373	0.000	99.564	10.192	1.763	99.564	6.034	0.555	2.37
50	62.592	1.672	0.547	64.006	3.167	0.465	63.679	2.558	0.376	102.975	3.155	0.369	68.569	0.594	0.585	68.569	1.082	0.602	102.853	4.233	1.122	375.650	29.839	1.047	0.000	0.000	0.000	118.927	8.768	2.071	49.532	10.009	0.000	102.853	10.529	1.749	102.853	6.233	0.550	2.32
55	72.684	1.609	0.569	74.326	3.169	0.483	73.946	2.498	0.390	119.578	3.121	0.383	74.839	0.648	0.607	74.839	1.181	0.626	119.578	4.620	1.165	410.000	32.568	1.087	0.000	0.000	0.000	129.802	9.569	2.337	64.721	11.242	0.000	112.258	11.492	1.816	112.258	6.803	0.572	2.33
60	88.886	1.574	0.618	90.894	3.269	0.525	90.430	2.495	0.424	146.234	3.172	0.416	86.300	0.747	0.660	86.300	1.362	0.680	129.451	5.328	1.266	472.793	37.556	1.182	0.000	0.000	0.000	149.682	11.035	2.566	89.061	13.429	0.000	129.451	13.252	1.974	129.451	7.845	0.621	2.42
65	114.473	1.574	0.703	117.059	3.504	0.597	116.462	2.567	0.482	188.329	3.339	0.474	105.144	0.910	0.751	105.144	1.660	0.783	177.317	6.349	1.441	576.029	45.756	1.344	0.000	0.000	0.000	182.365	13.034	3.124	129.062	17.223	0.000	157.717	16.145	2.245	157.717	9.585	0.707	2.46

Pollutant Name: Sulfur Dioxide Temperature: 60F Relative Humidity: 70%

Speed MPH	Light Duty Autos			Light Duty Truck 1			Light Duty Truck 2			Medium Duty Truck			Light-Heavy Duty Truck 1			Light-Heavy Duty Truck 2			Medium-Heavy Duty Truck			Heavy-Heavy Duty Truck			Line-Haul Vehicles			Urban Buses			Motorcycles			School Buses			Motor Homes			Total All
	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	
5	0.016	0.009	0.003	0.016	0.012	0.003	0.016	0.012	0.003	0.021	0.016	0.003	0.031	0.024	0.005	0.031	0.024	0.005	0.034	0.025	0.014	0.060	0.027	0.021	0.000	0.000	0.000	0.036	0.025	0.026	0.003	0.003	0.000	0.034	0.025	0.014	0.034	0.025	0.014	0.01
10	0.012	0.007	0.003	0.012	0.009	0.003	0.012	0.009	0.003	0.015	0.012	0.003	0.021	0.016	0.005	0.021	0.016	0.005	0.023	0.016	0.014	0.040	0.018	0.021	0.000	0.000	0.000	0.024	0.017	0.026	0.003	0.003	0.000	0.023	0.017	0.014	0.023	0.016	0.014	0.01
15	0.010	0.005	0.003	0.010	0.007	0.003	0.010	0.007	0.003	0.012	0.009	0.003	0.014	0.011	0.005	0.014	0.011	0.005	0.016	0.011	0.014	0.028	0.013	0.021	0.000	0.000	0.000	0.017	0.012	0.026	0.002	0.002	0.000	0.016	0.012	0.014	0.016	0.012	0.014	0.01
20	0.008	0.004	0.003	0.008	0.006	0.003	0.008	0.006	0.003	0.010	0.008	0.003	0.011	0.008	0.005	0.011	0.008	0.005	0.012	0.009	0.014	0.021	0.010	0.021	0.000	0.000	0.000	0.012	0.009	0.026	0.002	0.002	0.000	0.012	0.009	0.014	0.012	0.009	0.014	0.01
25	0.007	0.004	0.003	0.007	0.005	0.003	0.007	0.005	0.003	0.008	0.006	0.003	0.008	0.007	0.005	0.008	0.007	0.005	0.009	0.007	0.014	0.016	0.007	0.021	0.000	0.000	0.000	0.010	0.007	0.026	0.002	0.002	0.000	0.009	0.007	0.014	0.009	0.007	0.014	0.01
30	0.006	0.003	0.003	0.006	0.004	0.003	0.006	0.004	0.003	0.007	0.006	0.003	0.007	0.005	0.005	0.007	0.005	0.005	0.008	0.006	0.014	0.013	0.006	0.021	0.000	0.000	0.000	0.008	0.006	0.026	0.002	0.002	0.000	0.008	0.006	0.014	0.008	0.006	0.014	0.00
35	0.005	0.003	0.003	0.005	0.004	0.003	0.005	0.004	0.003	0.007	0.005	0.003	0.006	0.005	0.005	0.006	0.005	0.005	0.007	0.005	0.014	0.012	0.005	0.021	0.000	0.000	0.000	0.007	0.005	0.026	0.002	0.002	0.000	0.007	0.005	0.014	0.007	0.005	0.014	0.00
40	0.005	0.003	0.003	0.005	0.004	0.003	0.005	0.004	0.003	0.006	0.005	0.003	0.006	0.004	0.005	0.006	0.004	0.005	0.006	0.004	0.014	0.011	0.005	0.021	0.000	0.000	0.000	0.006	0.005	0.026	0.002	0.002	0.000	0.006	0.005	0.014	0.006	0.005	0.014	0.00
45	0.005	0.003	0.003	0.005	0.003	0.003	0.005	0.003	0.003	0.006	0.005	0.003	0.005	0.004	0.005	0.005	0.004	0.005	0.006	0.004	0.014	0.010	0.005	0.021	0.000	0.000	0.000	0.006	0.005	0.026	0.002	0.002	0.000	0.006	0.005	0.014	0.006	0.004	0.014	0.00
50	0.005	0.003	0.003	0.005	0.004	0.003	0.005	0.004	0.003	0.006	0.005	0.003	0.006	0.004	0.005	0.006	0.004	0.005	0.006	0.005	0.014	0.011	0.005	0.021	0.000	0.000	0.000	0.006	0.005	0.026	0.002	0.002	0.000	0.006	0.005	0.014	0.006	0.005	0.014	0.00
55	0.005	0.003	0.003	0.006	0.004	0.003	0.006	0.004	0.003	0.007	0.005	0.003	0.006	0.005	0.005	0.006	0.005	0.005	0.007	0.005	0.014	0.012	0.005	0.021	0.000	0.000	0.000	0.007	0.005	0.026	0.002	0.002	0.000	0.007	0.005	0.014	0.007	0.005	0.014	0.00
60	0.006	0.003	0.003	0.006	0.004	0.003	0.006	0.004	0.003	0.008	0.006	0.003	0.007	0.006	0.005	0.007	0.006	0.005	0.008	0.006	0.014	0.013	0.006	0.021	0.000	0.000	0.000	0.008	0.006	0.026	0.003	0.003	0.000	0.008	0.006	0.014	0.008	0.006	0.014	0.00
65	0.007	0.004	0.003	0.007	0.005	0.003	0.007	0.005	0.003	0.009	0.006	0.003	0.009	0.007	0.005	0.009	0.007	0.005	0.009	0.007	0.014	0.016	0.008	0.021	0.000	0.000	0.000	0.010	0.007	0.026	0.003	0.003	0.000	0.009	0.007	0.014	0.009	0.007	0.014	0.01

Pollutant Name: PM10 Temperature: 60F Relative Humidity: 70%

Speed MPH	Light Duty Autos			Light Duty Truck 1			Light Duty Truck 2			Medium Duty Truck			Light-Heavy Duty Truck 1			Light-Heavy Duty Truck 2			Medium-Heavy Duty Truck			Heavy-Heavy Duty Truck			Line-Haul Vehicles			Urban Buses			Motorcycles			School Buses			Motor Homes			Total All
	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	
5	0.104	0.057	0.394	0.100	0.064	0.201	0.106	0.132	0.138	0.107	0.134	0.129	0.101	0.046	0.105	0.101	0.049	0.129	0.101	0.048	0.583	0.101	0.095	0.407	0.000	0.000	0.000	0.101	0.090	0.925	0.080	0.005	0.000	0.101	0.059	0.973	0.101	0.017	0.434	0.10
10	0.074	0.037	0.309	0.071	0.043	0.158	0.076	0.087	0.108	0.076	0.088	0.102	0.066	0.030	0.082	0.066	0.032	0.102	0.066	0.032	0.457	0.066	0.062	0.319	0.000	0.000	0.000	0.066	0.059	0.671	0.063	0.004	0.000	0.066	0.038	0.764	0.066	0.011	0.341	0.07
15	0.055	0.026	0.248	0.053	0.030	0.127	0.056	0.060	0.087	0.057	0.061	0.082	0.045	0.021	0.066	0.045	0.022	0.081	0.045	0.022	0.367	0.045	0.042	0.256	0.000	0.000	0.000	0.045	0.040	0.504	0.052	0.003	0.000	0.045	0.026	0.613	0.045	0.008	0.274	0.05
20	0.043	0.019	0.204	0.041	0.022	0.104	0.044	0.043	0.071	0.044	0.045	0.067	0.032	0.015	0.054	0.032	0.016	0.067	0.032	0.015	0.301	0.032	0.030	0.210	0.000	0.000	0.000	0.032	0.029	0.392	0.045	0.003	0.000	0.032	0.019	0.503	0.032	0.005	0.225	0.04
25	0.035	0.014	0.171	0.034	0.017	0.087	0.036	0.033	0.060	0.036	0.035	0.056	0.024	0.011	0.045	0.024	0.012	0.056	0.024	0.011	0.253	0.024	0.022	0.176	0.000	0.000	0.000	0.024	0.021	0.316	0.041	0.002	0.000	0.024	0.014	0.422	0.024	0.004	0.188	0.03
30	0.030	0.011	0.146	0.029	0.014	0.075	0.031	0.027	0.051	0.031	0.028	0.048	0.019	0.008	0.039	0.019	0.009	0.048	0.019	0.009	0.217	0.019	0.017	0.151	0.000	0.000	0.000	0.019	0.016	0.264	0.039	0.002	0.000	0.019	0.011	0.361	0.019	0.003	0.161	0.02
35	0.027	0.010	0.128	0.026	0.012	0.066	0.027	0.023	0.045	0.027	0.024	0.042	0.015	0.007	0.034	0.015	0.007	0.042	0.015	0.007	0.190	0.015	0.014	0.132	0.000	0.000	0.000	0.015	0.013	0.228	0.038	0.002	0.000	0.015	0.009	0.317	0.015	0.003	0.141	0.02
40	0.025	0.009	0.115	0.024	0.010	0.059	0.026	0.020	0.040	0.026	0.021	0.038	0.013	0.006	0.031	0.013	0.006	0.038	0.013	0.006	0.170	0.013	0.012	0.119	0.000	0.000	0.000	0.013	0.011	0.204	0.040	0.002	0.000	0.013	0.007	0.284	0.013	0.002	0.127	0.02
45	0.024	0.008	0.105	0.023	0.010	0.054	0.025	0.019	0.037	0.025	0.020	0.035	0.011	0.005	0.028	0.011	0.005	0.035	0.011	0.005	0.156	0.011	0.010	0.109	0.000	0.000	0.000	0.011	0.010	0.189	0.043	0.002	0.000	0.011	0.006	0.260	0.011	0.002	0.116	0.02
50	0.025	0.008	0.099	0.024	0.009	0.050	0.026	0.019	0.034	0.026	0.019	0.032	0.010	0.005	0.026	0.010	0.005	0.032	0.010	0.005	0.146	0.010	0.009	0.102	0.000	0.000	0.000	0.010	0.009	0.181	0.049	0.002	0.000	0.010	0.006	0.243	0.010	0.002	0.109	0.02
55	0.027	0.008	0.094	0.026	0.010	0.048	0.027	0.019	0.033	0.028	0.020	0.031	0.010	0.004	0.025	0.010	0.005	0.031	0.010	0.005	0.139	0.010	0.009	0.097	0.000	0.000	0.000	0.010	0.008	0.180	0.058	0.003	0.000	0.010	0.006	0.233	0.010	0.002	0.104	0.02
60	0.030	0.009	0.092	0.029	0.011	0.047	0.031	0.021	0.032	0.031	0.022	0.030	0.009	0.004	0.025	0.009	0.005	0.030	0.009	0.005	0.136	0.009	0.009	0.095	0.000	0.000	0.000	0.009	0.008	0.186	0.073	0.004	0.000	0.009	0.005	0.228	0.009	0.002	0.102	0.02
65	0.035	0.011	0.092	0.034	0.012	0.047	0.036	0.024	0.032	0.036	0.025	0.030	0.010	0.004	0.025	0.010	0.005	0.030	0.010	0.005	0.136	0.010	0.009	0.095	0.000	0.000	0.000	0.010	0.009	0.198	0.095	0.005	0.000	0.010	0.006	0.228	0.010	0.002	0.102	0.02

Pollutant Name: Gasoline - mi / gal Temperature: 60F Relative Humidity: 70%

Speed MPH	Light Duty Autos			Light Duty Truck 1			Light Duty Truck 2			Medium Duty Truck			Light-Heavy Duty Truck 1			Light-Heavy Duty Truck 2			Medium-Heavy Duty Truck			Heavy-Heavy Duty Truck			Line-Haul Vehicles			Urban Buses			Motorcycles			School Buses			Motor Homes			Total All
	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	
5	5.200	9.200	0.000	5.157	7.371	0.000	5.158	7.385	0.000	4.137	5.378	0.000	2.749	3.516	0.000	2.749	3.508	0.000	2.477	3.460	0.000	1.427	3.099	0.000	0.000	0.000	0.000	2.355	3.355	0.000	26.059	27.202	0.000	2.477	3.362	0.000	2.477	3.438	0.000	7.85
10	6.949	12.166	0.000	6.893	9.746	0.000	6.894	9.765	0.000	5.537	7.112	0.000	4.135	5.284	0.000	4.135	5.273	0.000	3.726	5.201	0.000	2.147	4.660	0.000	0.000	0.000	0.000	3.543	5.045	0.000	31.006	33.005	0.000	3.726	5.055	0.000	3.726	5.168	0.000	10.38
15	8.920	15.501	0.000	8.849	12.415	0.000	8.850	12.440	0.000	7.115	9.063	0.000	5.889	7.518	0.000	5.889	7.502	0.000	5.308	7.400	0.000	3.061	6.636	0.000	0.000	0.000	0.000	5.050	7.180	0.000	35.920	38.652	0.000	5.308	7.193	0.000	5.308	7.353	0.000	13.23
20	11.001	19.029	0.000	10.914	15.240	0.000	10.915	15.271	0.000	8.777	11.127	0.000	7.942	10.123	0.000	7.942	10.102	0.000	7.162	9.965	0.000	4.136	8.947	0.000	0.000	0.000	0.000	6.817	9.676	0.000	40.533	43.727	0.000	7.162	9.690	0.000	7.162	9.903	0.000	16.25
25	13.036	22.511	0.000	12.932	18.026	0.000	12.934	18.064	0.000	10.396	13.164	0.000	10.141	12.901	0.000	10.141	12.875	0.000	9.152	12.703	0.000	5.292	11.421	0.000	0.000	0.000	0.000	8.715	12.344	0.000	44.536	47.811	0.000	9.152	12.357	0.000	9.152	12.623	0.000	19.24
30	14.841	25.664	0.000	14.723	20.549	0.000	14.725	20.592	0.000	11.823	15.007	0.000	12.261	15.562	0.000	12.261	15.531	0.000	11.074	15.327	0.000	6.414	13.802	0.000	0.000	0.000	0.000	10.552	14.907	0.000	47.589	50.525	0.000	11.074	14.917	0.000	11.074	15.230	0.000	21.94
35	16.233	28.196	0.000	16.102	22.575	0.000	16.105	22.624	0.000	12.908	16.488	0.000	14.034	17.768	0.000	14.034	17.733	0.000	12.687	17.504	0.000	7.362	15.790	0.000	0.000	0.000	0.000	12.097	17.041	0.000	49.352	51.585	0.000	12.687	17.044	0.000	12.687	17.393	0.000	24.11
40	17.054	29.855	0.000	16.915	23.903	0.000	16.919	23.955	0.000	13.527	17.458	0.000	15.206	19.201	0.000	15.206	19.163	0.000	13.760	18.920	0.000	8.001	17.101	0.000	0.000	0.000	0.000	13.129	18.440	0.000	49.515	50.845	0.000	13.760	18.433	0.000	13.760	18.800	0.000	25.53
45	17.205	30.465	0.000	17.062	24.390	0.000	17.067	24.445	0.000	13.601	17.813	0.000	15.596	19.639	0.000	15.596	19.601	0.000	14.127	19.357	0.000	8.232	17.530	0.000	0.000	0.000	0.000	13.490	18.886	0.000	47.860	48.331	0.000	14.127	18.868	0.000	14.127	19.233	0.000	26.05
50	16.660	29.958	0.000	16.518	23.983	0.000	16.524	24.039	0.000	13.114	17.515	0.000	15.140	19.012	0.000	15.140	18.976	0.000	13.728	18.744	0.000	8.016	17.008	0.000	0.000	0.000	0.000	13.118	18.309	0.000	44.329	44.248	0.000	13.728	18.281	0.000	13.728	18.623	0.000	25.60
55	15.477	28.389	0.000	15.341	22.725	0.000	15.348	22.780	0.000	12.118	16.595	0.000	13.909	17.420	0.000	13.909	17.388	0.000	12.625	17.179	0.000	7.387	15.619	0.000	0.000	0.000	0.000	12.073	16.798	0.000	39.096	38.963	0.000	12.625	16.764	0.000	12.625	17.068	0.000	24.24
60	13.783	25.921	0.000	13.657	20.747	0.000	13.665	20.801	0.000	10.723	15.149	0.000	12.094	15.107	0.000	12.094	15.080	0.000	10.988	14.902	0.000	6.442	13.573	0.000	0.000	0.000	0.000	10.515	14.586	0.000	32.611	32.951	0.000	10.988	14.549	0.000	10.988	14.805	0.000	22.11
65	11.756	22.803	0.000	11.645	18.249	0.000	11.652	18.299	0.000	9.076	13.324	0.000	9.951	12.401	0.000	9.951	12.378	0.000	9.049	12.234	0.000	5.315	11.163	0.000	0.000	0.000	0.000	8.665	11.987	0.000	25.562	26.727	0.000	9.049	11.951	0.000	9.049	12.155	0.000	19.43

Pollutant Name: Diesel - mi / gal Temperature: 60F Relative Humidity: 70%

Speed MPH	Light Duty Autos			Light Duty Truck 1			Light Duty Truck 2			Medium Duty Truck			Light-Heavy Duty Truck 1			Light-Heavy Duty Truck 2			Medium-Heavy Duty Truck			Heavy-Heavy Duty Truck			Line-Haul Vehicles			Urban Buses			Motorcycles			School Buses			Motor Homes			Total All
	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL				
5	0.000	0.000	27.784	0.000	0.000	28.912	0.000	0.000	29.058	0.000	0.000	29.096	0.000	0.000	19.381	0.000	0.000	19.204	0.000	0.000	6.698	0.000	0.000	4.634	0.000	0.000	0.000	0.000	0.000	3.735	0.000	0.000	0.000	0.000	0.000	6.698	0.000	0.000	6.698	0.44
10	0.000	0.000	27.784	0.000	0.000	28.912	0.000	0.000	29.058	0.000	0.000	29.096	0.000	0.000	19.381	0.000	0.000	19.204	0.000	0.000	6.698	0.000	0.000	4.634	0.000	0.000	0.000	0.000	0.000	3.735	0.000	0.000	0.000	0.000	0.000	6.698	0.000	0.000	6.698	0.44
15	0.000	0.000	27.784	0.000	0.000	28.912	0.000	0.000	29.058	0.000	0.000	29.096	0.000	0.000	19.381	0.000	0.000	19.204	0.000	0.000	6.698	0.000	0.000	4.634	0.000	0.000	0.000	0.000	0.000	3.735	0.000	0.000	0.000	0.000	0.000	6.698	0.000	0.000	6.698	0.44
20	0.000	0.000	27.784	0.000	0.000	28.912	0.000	0.000	29.058	0.000	0.000	29.096	0.000	0.000	19.381	0.000	0.000	19.204	0.000	0.000	6.698	0.000	0.000	4.634	0.000	0.000	0.000	0.000	0.000	3.735	0.000	0.000	0.000	0.000	0.000	6.698	0.000	0.000	6.698	0.44
25	0.000	0.000	27.784	0.000	0.000	28.912	0.000	0.000	29.058	0.000	0.000	29.096	0.000	0.000	19.381	0.000	0.000	19.204	0.000	0.000	6.698	0.000	0.000	4.634	0.000	0.000	0.000	0.000	0.000	3.735	0.000	0.000	0.000	0.000	0.000	6.698	0.000	0.000	6.698	0.44
30	0.000	0.000	27.784	0.000	0.000	28.912	0.000	0.000	29.058	0.000	0.000	29.096	0.000	0.000	19.381	0.000	0.000	19.204	0.000	0.000	6.698	0.000	0.000	4.634	0.000	0.000	0.000	0.000	0.000	3.735	0.000	0.000	0.000	0.000	0.000	6.698	0.000	0.000	6.698	0.44
35	0.000	0.000	27.784	0.000	0.000	28.912	0.000	0.000	29.058	0.000	0.000	29.096	0.000	0.000	19.381	0.000	0.000	19.204	0.000	0.000	6.698	0.000	0.000	4.634	0.000	0.000	0.000	0.000	0.000	3.735	0.000	0.000	0.000	0.000	0.000	6.698	0.000	0.000	6.698	0.44
40	0.000	0.000	27.784	0.000	0.000	28.912	0.000	0.000	29.058	0.000	0.000	29.096	0.000	0.000	19.381	0.000	0.000	19.204	0.000	0.000	6.698	0.000	0.000	4.634	0.000	0.000	0.000	0.000	0.000	3.735	0.000	0.000	0.000	0.000	0.000	6.698	0.000	0.000	6.698	0.44
45	0.000	0.000	27.784	0.000	0.000	28.912	0.000	0.000	29.058	0.000	0.000	29.096	0.000	0.000	19.381	0.000	0.000	19.204	0.000	0.000	6.698	0.000	0.000	4.634	0.000	0.000	0.000	0.000	0.000	3.735	0.000	0.000	0.000	0.000	0.000	6.698	0.000	0.000	6.698	0.44
50	0.000	0.000	27.784	0.000	0.000	28.912	0.000	0.000	29.058	0.000	0.000	29.096	0.000	0.000	19.381	0.000	0.000	19.204	0.000	0.000	6.698	0.000	0.000	4.634	0.000	0.000	0.000	0.000	0.000	3.735	0.000	0.000	0.000	0.000	0.000	6.698	0.000	0.000	6.698	0.44
55	0.000	0.000	27.784	0.000	0.000	28.912	0.000	0.000	29.058	0.000	0.000	29.096	0.000	0.000	19.381	0.000	0.000	19.204	0.000	0.000	6.698	0.000	0.000	4.634	0.000	0.000	0.000	0.000	0.000	3.735	0.000	0.000	0.000	0.000	0.000	6.698	0.000	0.000	6.698	0.44
60	0.000	0.000	27.784	0.000	0.000	28.912	0.000	0.000	29.058	0.000	0.000	29.096	0.000	0.000	19.381	0.000	0.000	19.204	0.000	0.000	6.698	0.000	0.000	4.634	0.000	0.000	0.000	0.000	0.000	3.735	0.000	0.000	0.000	0.000	0.000	6.698	0.000	0.000	6.698	0.44
65	0.000	0.000	27.784	0.000	0.000	28.912	0.000	0.000	29.058	0.000	0.000	29.096	0.000	0.000	19.381	0.000	0.000	19.204	0.000	0.000	6.698	0.000	0.000	4.634	0.000	0.000	0.000	0.000	0.000	3.735	0.000	0.000	0.000	0.000	0.000	6.698	0.000	0.000	6.698	0.44

Pollutant Name: Carbon Monoxide Temperature: 60F Relative Humidity: ALL

min	Light Duty Autos				Light Duty Truck 1				Light Duty Truck 2				Medium Duty Truck				Light-Heavy Duty Truck 1				Light-Heavy Duty Truck 2				Medium-Heavy Duty Truck				Heavy-Heavy Duty Truck				Line-Haul Vehicles				Urban Buses				Motorcycles				School Buses				Motor Homes				Total All
	NCAT	CAT	DSL		NCAT	CAT	DSL		NCAT	CAT	DSL		NCAT	CAT	DSL		NCAT	CAT	DSL		NCAT	CAT	DSL		NCAT	CAT	DSL		NCAT	CAT	DSL		NCAT	CAT	DSL		NCAT	CAT	DSL		NCAT	CAT	DSL										
5	23.770	0.688	0.000		24.413	1.016	0.000		24.276	0.877	0.000		40.200	1.261	0.000		41.599	2.086	0.000		41.599	2.846	0.000		62.398	9.002	0.000		236.519	27.464	0.000		0.000	0.000	0.000		72.150	9.574	0.000		6.360	2.051	0.000		62.398	9.936	0.000		62.398	6.977	0.000		0.92
10	21.049	1.352	0.000		21.618	1.994	0.000		21.497	1.725	0.000		35.598	2.477	0.000		36.837	4.099	0.000		36.837	5.586	0.000		55.255	17.639	0.000		209.443	53.812	0.000		0.000	0.000	0.000		63.891	18.759	0.000		5.632	4.018	0.000		55.255	19.468	0.000		55.255	13.670	0.000		1.73
20	16.248	2.609	0.000		16.688	3.839	0.000		16.594	3.332	0.000		27.480	4.771	0.000		28.436	7.901	0.000		28.436	10.743	0.000		42.654	33.815	0.000		161.678	103.161	0.000		0.000	0.000	0.000		49.320	35.963	0.000		4.347	7.703	0.000		42.654	37.320	0.000		42.654	26.207	0.000		3.26
30	12.304	3.772	0.000		12.637	5.535	0.000		12.566	4.821	0.000		20.809	6.883	0.000		21.533	11.406	0.000		21.533	15.471	0.000		32.299	48.528	0.000		122.429	148.046	0.000		0.000	0.000	0.000		37.347	51.610	0.000		3.292	11.055	0.000		32.299	53.558	0.000		32.299	37.609	0.000		4.67
40	9.215	4.840	0.000		9.465	7.081	0.000		9.411	6.192	0.000		15.585	8.812	0.000		16.127	14.614	0.000		16.127	19.772	0.000		24.191	61.778	0.000		91.695	188.467	0.000		0.000	0.000	0.000		27.972	65.702	0.000		2.466	14.073	0.000		24.191	68.181	0.000		24.191	47.878	0.000		5.96
50	6.982	5.814	0.000		7.171	8.479	0.000		7.131	7.446	0.000		11.809	10.559	0.000		12.220	17.526	0.000		12.220	23.644	0.000		18.329	73.564	0.000		69.477	224.425	0.000		0.000	0.000	0.000		21.194	78.237	0.000		1.868	16.758	0.000		18.329	81.190	0.000		18.329	57.012	0.000		7.13
60	5.605	6.693	0.000		5.757	9.727	0.000		5.725	8.582	0.000		9.480	12.124	0.000		9.810	20.140	0.000		9.810	27.087	0.000		14.715	83.888	0.000		55.776	255.919	0.000		0.000	0.000	0.000		17.014	89.216	0.000		1.500	19.110	0.000		14.715	92.583	0.000		14.715	65.013	0.000		8.19
120	17.922	8.856	0.000		18.407	11.505	0.000		18.304	11.327	0.000		30.310	15.162	0.000		31.365	20.367	0.000		31.365	26.116	0.000		47.047	67.143	0.000		178.332	206.078	0.000		0.000	0.000	0.000		54.400	70.272	0.000		4.795	21.163	0.000		47.047	72.837	0.000		47.047	45.574	0.000		10.15
180	28.318	6.514	0.000		29.085	9.051	0.000		28.921	8.427	0.000		47.893	11.449	0.000		49.559	18.034	0.000		49.559	24.509	0.000		74.338	69.106	0.000		281.779	212.103	0.000		0.000	0.000	0.000		85.957	72.326	0.000		7.577	14.881	0.000		74.338	74.966	0.000		74.338	46.906	0.000		8.26
240	37.613	6.874	0.000		38.631	9.471	0.000		38.414	8.916	0.000		63.611	12.004	0.000		65.825	18.967	0.000		65.825	25.555	0.000		98.737	71.134	0.000		374.262	218.325	0.000		0.000	0.000	0.000		114.168	74.448	0.000		10.063	15.318	0.000		98.737	77.166	0.000		98.737	48.282	0.000		8.26
300	45.805	7.206	0.000		47.045	9.869	0.000		46.781	9.365	0.000		77.467	12.527	0.000		80.162	19.837	0.000		80.162	26.559	0.000		120.244	73.226	0.000		455.781	224.747	0.000		0.000	0.000	0.000		139.036	76.638	0.000		12.255	15.769	0.000		120.244	79.435	0.000		120.244	49.702	0.000		8.66
360	52.896	7.512	0.000		54.327	10.246	0.000		54.023	9.775	0.000		89.459	13.018	0.000		92.572	20.645	0.000		92.572	27.523	0.000		138.857	75.383	0.000		526.337	231.367	0.000		0.000	0.000	0.000		160.559	78.895	0.000		14.153	16.233	0.000		138.857	81.775	0.000		138.857	51.166	0.000		9.03
420	58.885	7.791	0.000		7.953	60.478	10.600	0.000	0.000	10.911	60.139	10.145	0.000	0.000	10.266	99.588	13.476	0.000	0.000	13.624	103.053	21.391	0.000	0.000	20.742	103.053	28.445	0.000	0.000	22.977	154.579	77.604	0.000	0.000	27.844	585.929	238.185	0.000	0.000	0.000	0.000	0.000	0.000	0.000	178.738	81.220	0.000	0.000	17.32				
480	63.772	8.043	0.000		8.220	65.498	10.933	0.000	0.000	11.277	65.130	10.476	0.000	0.000	10.613	107.853	13.902	0.000	0.000	14.080	111.605	22.075	0.000	0.000	21.457	111.605	29.327	0.000	0.000	23.690	167.408	79.890	0.000	0.000	28.830	634.558	245.202	0.000	0.000	0.000	0.000	0.000	0.000	0.000	193.572	83.613	0.000	0.000	18.33				
540	67.557	8.268	0.000		8.457	69.386	11.244	0.000	0.000	11.613	68.996	10.768	0.000	0.000	10.916	114.255	14.296	0.000	0.000	11.176	118.793	14.658	0.000	0.000	14.495	118.230	22.697	0.000	0.000	22.096	118.230	30.168	0.000	0.000	24.369	177.345	82.241	0.000	0.000	29.778	672.223	252.418	0.000	0.000	0.000	0.000	0.000	0.000	205.061	86.073	0.000	0.000	19.15
600	70.240	8.466	0.000		8.663	72.142	11.534	0.000	0.000	11.919	71.737	11.020	0.000	0.000	11.176	118.793	14.658	0.000	0.000	14.870	122.926	23.257	0.000	0.000	14.715	122.926	30.967	0.000	0.000	22.659	122.926	30.168	0.000	0.000	25.015	184.389	84.657	0.000	0.000	30.689	698.924	259.832	0.000	0.000	0.000	0.000	0.000	0.000	213.207	88.602	0.000	0.000	19.78
660	71.822	8.638	0.000		8.839	73.766	11.801	0.000	0.000	12.195	73.352	11.233	0.000	0.000	11.393	121.468	14.988	0.000	0.000	15.205	125.694	23.755	0.000	0.000	14.870	125.694	31.726	0.000	0.000	23.145	125.694	31.726	0.000	0.000	25.628	188.541	87.137	0.000	0.000	31.564	714.662	267.445	0.000	0.000	0.000	0.000	0.000	0.000	218.008	91.197	0.000	0.000	20.23
720	72.302	8.782	0.000		8.985	74.259	12.047	0.000	0.000	12.442	73.842	11.407	0.000	0.000	11.567	122.279	15.285	0.000	0.000	15.499	126.534	24.191	0.000	0.000	14.870	126.534	32.444	0.000	0.000	23.555	126.534	32.444	0.000	0.000	26.208	189.801	89.682	0.000	0.000	32.401	719.437	275.256	0.000	0.000	0.000	0.000	0.000	0.000	219.464	93.861	0.000	0.000	20.48

Pollutant Name: Oxides of Nitrogen Temperature: 60F Relative Humidity: ALL

Time min	Light Duty Autos			Light Duty Truck 1			Light Duty Truck 2			Medium Duty Truck			Light-Heavy Duty Truck 1			Light-Heavy Duty Truck 2			Medium-Heavy Duty Truck			Heavy-Heavy Duty Truck			Line-Haul Vehicles			Urban Buses			Motorcycles			School Buses			Motor Homes			Total All
	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	
5	1.173	0.188	0.000	1.140	0.199	0.000	1.148	0.381	0.000	1.728	0.433	0.000	0.578	1.366	0.000	0.578	1.403	0.000	0.867	1.485	0.000	3.353	4.984	0.000	0.000	0.000	0.000	1.115	2.303	0.000	0.290	0.090	0.000	0.867	1.461	0.000	0.867	0.800	0.000	0.26
10	1.275	0.219	0.000	1.240	0.240	0.000	1.248	0.433	0.000	1.879	0.512	0.000	0.628	1.610	0.000	0.628	1.774	0.000	0.942	2.238	0.000	3.645	7.510	0.000	0.000	0.000	0.000	1.212	3.471	0.000	0.315	0.136	0.000	0.942	2.201	0.000	0.942	1.205	0.000	0.30
20	1.460	0.274	0.000	1.420	0.312	0.000	1.430	0.523	0.000	2.152	0.651	0.000	0.719	2.041	0.000	0.719	2.427	0.000	1.079	3.560	0.000	4.176	11.946	0.000	0.000	0.000	0.000	1.388	5.521	0.000	0.361	0.216	0.000	1.079	3.502	0.000	1.079	1.917	0.000	0.38
30	1.621	0.319	0.000	1.576	0.372	0.000	1.587	0.598	0.000	2.389	0.766	0.000	0.799	2.396	0.000	0.799	2.963	0.000	1.198	4.637	0.000	4.635	15.560	0.000	0.000	0.000	0.000	1.541	7.191	0.000	0.401	0.281	0.000	1.198	4.561	0.000	1.198	2.497	0.000	0.45
40	1.757	0.355	0.000	1.709	0.419	0.000	1.720	0.658	0.000	2.589	0.857	0.000	0.865	2.677	0.000	0.865	3.381	0.000	1.298	5.470	0.000	5.024	18.353	0.000	0.000	0.000	0.000	1.671	8.482	0.000	0.434	0.332	0.000	1.298	5.380	0.000	1.298	2.945	0.000	0.51
50	1.868	0.381	0.000	1.817	0.453	0.000	1.829	0.703	0.000	2.753	0.923	0.000	0.920	2.882	0.000	0.920	3.682	0.000	1.380	6.057	0.000	5.342	20.325	0.000	0.000	0.000	0.000	1.776	9.393	0.000	0.462	0.367	0.000	1.380	5.958	0.000	1.380	3.261	0.000	0.55
60	1.954	0.398	0.000	1.901	0.474	0.000	1.913	0.732	0.000	2.881	0.965	0.000	0.963	3.011	0.000	0.963	3.865	0.000	1.444	6.400	0.000	5.589	21.475	0.000	0.000	0.000	0.000	1.859	9.925	0.000	0.483	0.388	0.000	1.444	6.295	0.000	1.444	3.446	0.000	0.57

Pollutant Name: Sulfur Dioxide				Temperature: 60F				Relative Humidity: ALL																																													
Time min	Light Duty Autos				Light Duty Truck 1				Light Duty Truck 2				Medium Duty Truck				Light-Heavy Duty Truck 1				Light-Heavy Duty Truck 2				Medium-Heavy Duty Truck				Heavy-Heavy Duty Truck				Line-Haul Vehicles				Urban Buses				Motorcycles				School Buses				Motor Homes				Total All
	NCAT	CAT	DSL		NCAT	CAT	DSL		NCAT	CAT	DSL		NCAT	CAT	DSL		NCAT	CAT	DSL		NCAT	CAT	DSL		NCAT	CAT	DSL		NCAT	CAT	DSL		NCAT	CAT	DSL		NCAT	CAT	DSL														
5	0.002	0.000	0.000		0.002	0.000	0.000		0.002	0.000	0.000		0.002	0.000	0.000		0.003	0.000	0.000		0.003	0.000	0.000		0.006	0.001	0.000		1.350	0.000	0.000		0.004	0.000	0.000		0.001	0.000	0.207		0.003	0.000	0.000		0.003	0.000	0.000		0.000				
10	0.002	0.000	0.000		0.002	0.000	0.000		0.002	0.000	0.000		0.002	0.000	0.000		0.003	0.000	0.000		0.003	0.000	0.000		0.006	0.001	0.000		1.350	0.000	0.000		0.004	0.001	0.000		0.001	0.000	0.207		0.003	0.001	0.000		0.003	0.000	0.000		0.000				
20	0.002	0.000	0.000		0.002	0.000	0.000		0.002	0.000	0.000		0.002	0.000	0.000		0.003	0.001	0.000		0.003	0.001	0.000		0.005	0.002	0.000		1.350	0.000	0.000		0.004	0.001	0.000		0.001	0.000	0.207		0.003	0.001	0.000		0.003	0.001	0.000		0.000				
30	0.002	0.000	0.000		0.002	0.000	0.000		0.002	0.000	0.000		0.002	0.001	0.000		0.003	0.001	0.000		0.003	0.001	0.000		0.005	0.003	0.000		1.350	0.000	0.000		0.004	0.002	0.000		0.001	0.000	0.207		0.003	0.002	0.000		0.003	0.001	0.000		0.000				
40	0.002	0.000	0.000		0.002	0.000	0.000		0.002	0.000	0.000		0.003	0.001	0.000		0.003	0.001	0.000		0.003	0.001	0.000		0.004	0.002	0.000		1.350	0.000	0.000		0.004	0.002	0.000		0.001	0.000	0.207		0.004	0.002	0.000		0.004	0.002	0.000		0.000				
50	0.002	0.000	0.000		0.002	0.001	0.000		0.002	0.001	0.000		0.003	0.001	0.000		0.004	0.001	0.000		0.004	0.002	0.000		0.005	0.005	0.000		1.350	0.000	0.000		0.004	0.002	0.000		0.001	0.000	0.207		0.004	0.002	0.000		0.004	0.002	0.000		0.000				
60	0.002	0.001	0.000		0.002	0.001	0.000		0.002	0.001	0.000		0.003	0.001	0.000		0.004	0.001	0.000		0.004	0.002	0.000		0.005	0.005	0.000		1.350	0.000	0.000		0.004	0.003	0.000		0.001	0.000	0.207		0.004	0.003	0.000		0.004	0.002	0.000		0.000				
120	0.003	0.001	0.000		0.003	0.001	0.000		0.003	0.001	0.000		0.004	0.002	0.000		0.005	0.002	0.000		0.005	0.003	0.000		0.008	0.006	0.000		1.350	0.000	0.000		0.006	0.003	0.000		0.001	0.001	0.207		0.005	0.003	0.000		0.005	0.003	0.000		0.000				
180	0.003	0.001	0.000		0.003	0.001	0.000		0.003	0.001	0.000		0.004	0.002	0.000		0.005	0.002	0.000		0.005	0.003	0.000		0.009	0.006	0.000		1.350	0.000	0.000		0.006	0.004	0.000		0.001	0.001	0.207		0.006	0.004	0.000		0.006	0.003	0.000		0.000				
240	0.004	0.001	0.000		0.004	0.002	0.000		0.004	0.002	0.000		0.005	0.002	0.000		0.006	0.003	0.000		0.006	0.003	0.000		0.011	0.007	0.000		1.350	0.000	0.000		0.007	0.004	0.000		0.001	0.001	0.207		0.006	0.004	0.000		0.006	0.003	0.000		0.000				
300	0.004	0.001	0.000		0.004	0.002	0.000		0.004	0.002	0.000		0.005	0.002	0.000		0.006	0.003	0.000		0.006	0.003	0.000		0.012	0.007	0.000		1.350	0.000	0.000		0.007	0.004	0.000		0.001	0.001	0.207		0.007	0.004	0.000		0.007	0.004	0.000		0.000				
360	0.004	0.001	0.000		0.004	0.002	0.000		0.004	0.002	0.000		0.005	0.003	0.000		0.006	0.003	0.000		0.006	0.003	0.000		0.013	0.008	0.000		1.350	0.000	0.000		0.008	0.005	0.000		0.001	0.001	0.207		0.007	0.005	0.000		0.007	0.004	0.000		0.000				
420	0.004	0.002	0.000		0.002	0.004	0.002		0.000	0.002	0.004		0.002	0.000	0.002		0.005	0.003	0.000		0.003	0.006	0.004		0.000	0.003	0.006	0.004	0.000	0.003	0.007	0.005		0.000	0.002	0.014		0.008	0.000	0.003		1.350	0.000	0.000		0.008	0.005	0.000		0.000			
480	0.004	0.002	0.000		0.002	0.004	0.002		0.000	0.002	0.004		0.002	0.000	0.002		0.005	0.003	0.000		0.003	0.006	0.004		0.000	0.004	0.006	0.004	0.000	0.003	0.008	0.005		0.000	0.002	0.015		0.008	0.000	0.003		1.350	0.000	0.000		0.008	0.005	0.000		0.000			
540	0.004	0.002	0.000		0.002	0.004	0.002		0.000	0.002	0.004		0.002	0.000	0.002		0.005	0.003	0.000		0.003	0.007	0.004		0.000	0.004	0.007	0.004	0.000	0.003	0.008	0.005		0.000	0.002	0.016		0.009	0.000	0.004		1.350	0.000	0.000		0.009	0.005	0.000		0.000			
600	0.004	0.002	0.000		0.002	0.004	0.002		0.000	0.002	0.004		0.002	0.000	0.002		0.006	0.003	0.000		0.003	0.007	0.004		0.000	0.004	0.007	0.004	0.000	0.004	0.008	0.006		0.000	0.002	0.016		0.009	0.000	0.004		1.350	0.000	0.000		0.009	0.006	0.000		0.000			
660	0.004	0.002	0.000		0.002	0.004	0.003		0.000	0.003	0.004		0.003	0.000	0.003		0.006	0.004	0.000		0.004	0.007	0.005		0.000	0.004	0.007	0.005	0.000	0.004	0.008	0.006		0.000	0.002	0.017		0.009	0.000	0.004		1.350	0.000	0.000		0.009	0.006	0.000		0.000			
720	0.004	0.002	0.000		0.002	0.004	0.003		0.000	0.003	0.004		0.003	0.000	0.003		0.006	0.004	0.000		0.004	0.007	0.005		0.000	0.004	0.007	0.005	0.000	0.004	0.008	0.006		0.000	0.002	0.017		0.010	0.000	0.004		1.350	0.000	0.000		0.009	0.006	0.000		0.000			

Pollutant Name: PM10				Temperature: 60F				Relative Humidity: ALL																																													
Time min	Light Duty Autos				Light Duty Truck 1				Light Duty Truck 2				Medium Duty Truck				Light-Heavy Duty Truck 1				Light-Heavy Duty Truck 2				Medium-Heavy Duty Truck				Heavy-Heavy Duty Truck				Line-Haul Vehicles				Urban Buses				Motorcycles				School Buses				Motor Homes				Total All
	NCAT	CAT	Autos	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL													
5	0.011	0.001	0.000		0.011	0.001	0.000	0.012	0.002	0.000	0.012	0.002	0.000	0.011	0.001	0.000	0.011	0.001	0.000	0.011	0.002	0.000	0.000	0.000	0.000	0.011	0.002	0.000	0.020	0.000	0.000	0.011	0.001	0.000	0.011	0.000	0.000	0.011	0.000	0.000	0.000	0.000	0.000										
10	0.010	0.001	0.000		0.010	0.002	0.000	0.010	0.003	0.000	0.010	0.003	0.000	0.010	0.002	0.000	0.010	0.002	0.000	0.010	0.003	0.000	0.000	0.000	0.000	0.010	0.003	0.000	0.010	0.000	0.000	0.010	0.002	0.000	0.010	0.001	0.000	0.010	0.001	0.000	0.010	0.000	0.000	0.000	0.000								
20	0.008	0.003	0.000		0.007	0.003	0.000	0.008	0.006	0.000	0.008	0.006	0.000	0.008	0.004	0.000	0.008	0.005	0.000	0.008	0.007	0.000	0.000	0.000	0.000	0.008	0.006	0.000	0.013	0.001	0.000	0.008	0.004	0.000	0.008	0.001	0.000	0.008	0.001	0.000	0.008	0.000	0.000	0.000	0.000								
30	0.006	0.004	0.000		0.006	0.004	0.000	0.006	0.008	0.000	0.006	0.009	0.000	0.006	0.005	0.000	0.006	0.006	0.000	0.006	0.007	0.000	0.000	0.000	0.000	0.006	0.010	0.000	0.010	0.001	0.000	0.006	0.006	0.006	0.006	0.002	0.000	0.006	0.002	0.000	0.006	0.000	0.000	0.000	0.000								
40	0.004	0.005	0.000		0.004	0.006	0.000	0.004	0.011	0.000	0.004	0.012	0.000	0.004	0.007	0.000	0.004	0.008	0.000	0.004	0.009	0.000	0.004	0.012	0.000	0.000	0.004	0.012	0.000	0.000	0.008	0.001	0.000	0.004	0.008	0.000	0.004	0.002	0.000	0.004	0.002	0.000	0.004	0.000	0.000								
50	0.003	0.006	0.000		0.003	0.007	0.000	0.003	0.013	0.000	0.003	0.014	0.000	0.003	0.008	0.000	0.003	0.010	0.000	0.003	0.010	0.000	0.003	0.014	0.000	0.003	0.014	0.000	0.000	0.000	0.000	0.006	0.002	0.000	0.003	0.009	0.000	0.003	0.003	0.000	0.003	0.000	0.001										
60	0.003	0.007	0.000		0.003	0.008	0.000	0.003	0.015	0.000	0.003	0.016	0.000	0.003	0.010	0.000	0.003	0.012	0.000	0.003	0.012	0.000	0.003	0.017	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.003	0.015	0.000	0.005	0.002	0.000	0.003	0.010	0.000	0.003	0.003	0.000	0.001									
120	0.007	0.010	0.000		0.007	0.010	0.000	0.007	0.024	0.000	0.007	0.024	0.000	0.007	0.014	0.000	0.007	0.016	0.000	0.007	0.016	0.000	0.007	0.023	0.000	0.007	0.023	0.000	0.023	0.000	0.023	0.013	0.000	0.023	0.000	0.014	0.000	0.007	0.004	0.000	0.007	0.004	0.000	0.007	0.000	0.000							
180	0.011	0.011	0.000		0.011	0.012	0.000	0.012	0.025	0.000	0.012	0.026	0.000	0.011	0.015	0.000	0.011	0.016	0.000	0.011	0.017	0.000	0.011	0.023	0.000	0.000	0.000	0.000	0.000	0.000	0.011	0.021	0.000	0.020	0.002	0.000	0.011	0.015	0.000	0.011	0.004	0.000	0.011	0.004	0.000	0.011	0.004	0.000					
240	0.015	0.012	0.000		0.014	0.013	0.000	0.015	0.026	0.000	0.015	0.027	0.000	0.015	0.015	0.000	0.015	0.017	0.000	0.015	0.017	0.000	0.015	0.024	0.000	0.000	0.000	0.000	0.000	0.000	0.015	0.021	0.000	0.026	0.002	0.000	0.015	0.015	0.000	0.015	0.004	0.000	0.015	0.004	0.000	0.015	0.004	0.000					
300	0.018	0.013	0.000		0.018	0.014	0.000	0.019	0.028	0.000	0.019	0.029	0.000	0.018	0.016	0.000	0.018	0.018	0.000	0.018	0.018	0.000	0.018	0.025	0.000	0.000	0.000	0.000	0.000	0.000	0.018	0.022	0.000	0.032	0.003	0.000	0.018	0.016	0.000	0.018	0.004	0.000	0.018	0.004	0.000	0.018	0.004	0.000					
360	0.021	0.013	0.000		0.020	0.014	0.000	0.022	0.029	0.000	0.022	0.030	0.000	0.021	0.017	0.000	0.021	0.018	0.000	0.021	0.018	0.000	0.021	0.025	0.000	0.000	0.000	0.000	0.000	0.000	0.021	0.023	0.000	0.037	0.003	0.000	0.021	0.016	0.000	0.021	0.005	0.000	0.021	0.005	0.000	0.021	0.005	0.000					
420	0.023	0.014	0.000		0.014	0.023	0.015	0.000	0.015	0.024	0.030	0.000	0.030	0.024	0.031	0.000	0.030	0.023	0.017	0.000	0.016	0.023	0.019	0.000	0.015	0.023	0.019	0.000	0.006	0.023	0.026	0.000	0.010	0.000	0.000	0.000	0.000	0.023	0.023	0.000	0.023	0.023	0.000	0.023	0.023	0.000	0.023	0.023	0.000				
480	0.025	0.014	0.000		0.014	0.024	0.015	0.000	0.015	0.026	0.031	0.000	0.031	0.026	0.032	0.000	0.031	0.025	0.017	0.000	0.017	0.025	0.019	0.000	0.016	0.025	0.019	0.000	0.007	0.025	0.027	0.000	0.011	0.000	0.000	0.000	0.000	0.025	0.024	0.000	0.025	0.024	0.000	0.025	0.024	0.000	0.025	0.024	0.000				
540	0.027	0.014	0.000		0.014	0.026	0.016	0.000	0.016	0.028	0.032	0.000	0.032	0.028	0.033	0.000	0.032	0.027	0.018	0.000	0.017	0.027	0.020	0.000	0.016	0.027	0.020	0.000	0.007	0.027	0.028	0.000	0.011	0.000	0.000	0.000	0.000	0.027	0.025	0.000	0.027	0.025	0.000	0.027	0.025	0.000	0.027	0.025	0.000				
600	0.028	0.015	0.000		0.015	0.027	0.016	0.000	0.033	0.000	0.033	0.000	0.033	0.029	0.034	0.000	0.033	0.028	0.019	0.000	0.018	0.028	0.020	0.000	0.017	0.028	0.020	0.000	0.007	0.028	0.029	0.000	0.011	0.000	0.000	0.000	0.000	0.028	0.025	0.000	0.028	0.025	0.000	0.028	0.025	0.000	0.028	0.025	0.000				
660	0.029	0.015	0.000		0.015	0.028	0.016	0.000	0.016	0.029	0.033	0.000	0.033	0.030	0.034	0.000	0.034	0.029	0.019	0.000	0.018	0.029	0.021	0.000	0.017	0.029	0.021	0.000	0.007	0.029	0.029	0.000	0.012	0.000	0.000	0.000	0.000	0.029	0.026	0.000	0.029	0.026	0.000	0.029	0.026	0.000	0.029	0.026	0.000				
720	0.029	0.015	0.000		0.015	0.028	0.017	0.000	0.017	0.030	0.034	0.000	0.033	0.030	0.035	0.000	0.034	0.029	0.020	0.000	0.018	0.029	0.021	0.000	0.017	0.029	0.022	0.000	0.007	0.029	0.030	0.000	0.012	0.000	0.000	0.000	0.000	0.029	0.027	0.000	0.029	0.027	0.000	0.029	0.027	0.000	0.029	0.027	0.000				

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Title   : Los Angeles County Avg 2013 Winter 60°F
Version : Emfac2002 V2.2 Sept 23 2002
Run Date : 03/19/03 15:13:48
Scen Year: 2013 -- Model Years: 1968 to 2013
Season   : Winter
Area     : Los Angeles County
=====
Year:      2013      -- Model Years      1968 to      2013 Inclusive --      Winter
Emfac2002 Emission Factors: V2.2 Sept 23 2002

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County Average				Los Angeles Count												County Average																																				
				Table 4: Hot Soak Emissions (grams/trip)																																																
Pollutant Name: Reactive Org Gases				Temperature: 60F				Relative Humidity: ALL																																												
Time min	Light Duty Autos				Light Duty Truck 1				Light Duty Truck 2				Medium Duty Truck				Light-Heavy Duty Truck 1				Light-Heavy Duty Truck 2				Medium-Heavy Duty Truck				Heavy-Heavy Duty Truck				Line-Haul Vehicles				Urban Buses				Motorcycles				School Buses				Motor Homes			
	NCAT	CAT	DSL		NCAT	CAT	DSL		NCAT	CAT	DSL		NCAT	CAT	DSL		NCAT	CAT	DSL		NCAT	CAT	DSL		NCAT	CAT	DSL		NCAT	CAT	DSL		NCAT	CAT	DSL		NCAT	CAT	DSL		NCAT	CAT	DSL									
5	1.073	0.033	0.000		1.122	0.044	0.000		1.134	0.034	0.000		0.630	0.044	0.000		0.488	0.021	0.000		0.488	0.030	0.000		0.281	0.026	0.000		0.281	0.066	0.000		0.000	0.000	0.000		1.171	0.108	0.000		0.064	0.115	0.000		0.281	0.040	0.000		0.281	0.042	0.000	
10	1.978	0.064	0.000		2.067	0.086	0.000		2.089	0.066	0.000		1.161	0.085	0.000		0.898	0.041	0.000		0.898	0.058	0.000		0.517	0.051	0.000		0.517	0.132	0.000		0.000	0.000	0.000		2.157	0.206	0.000		0.120	0.223	0.000		0.517	0.077	0.000		0.517	0.079	0.000	
20	3.366	0.120	0.000		3.508	0.161	0.000		3.546	0.125	0.000		1.970	0.160	0.000		1.524	0.080	0.000		1.524	0.114	0.000		0.878	0.099	0.000		0.878	0.260	0.000		0.000	0.000	0.000		3.660	0.372	0.000		0.209	0.420	0.000		0.878	0.144	0.000		0.877	0.139	0.000	
30	4.309	0.170	0.000		4.479	0.228	0.000		4.527	0.178	0.000		2.515	0.227	0.000		1.946	0.119	0.000		1.946	0.166	0.000		1.120	0.145	0.000		1.120	0.387	0.000		0.000	0.000	0.000		4.672	0.509	0.000		0.274	0.599	0.000		1.120	0.203	0.000		1.120	0.186	0.000	
40	4.656	0.194	0.000		4.831	0.260	0.000		4.884	0.203	0.000		2.712	0.258	0.000		2.099	0.137	0.000		2.099	0.192	0.000		1.208	0.167	0.000		1.208	0.449	0.000		0.000	0.000	0.000		5.039	0.569	0.000		0.300	0.683	0.000		1.208	0.230	0.000		1.208	0.205	0.000	

Title : Los Angeles County Avg 2013 Winter 60°F
Version : Emfac2002 V2.2 Sept 23 2002
Run Date : 03/19/03 15:13:48
Scen Year: 2013 -- Model Years: 1968 to 2013
Season : Winter
Area : Los Angeles County

Year: 2013 -- Model Years 1968 to 2013 Inclusive -- Winter
Emfac2002 Emission Factors: V2.2 Sept 23 2002

County Average Los Angeles Count County Average

Table 5a: Partial Day Diurnal Loss Emissions (grams/hour)

Pollutant Name: Reactive Org Gases Temperature: ALL Relative Humidity: ALL

Temp degF	Light Duty Autos			Light Duty Truck 1			Light Duty Truck 2			Medium Duty Truck			Light-Heavy Duty Truck 1			Light-Heavy Duty Truck 2			Medium-Heavy Duty Truck			Heavy-Heavy Duty Truck			Line-Haul Vehicles			Urban Buses			Motorcycles			School Buses			Motor Homes		
	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL
75	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.075	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Title : Los Angeles County Avg 2013 Winter 60°F
Version : Emfac2002 V2.2 Sept 23 2002
Run Date : 03/19/03 15:13:48
Scen Year: 2013 -- Model Years: 1968 to 2013
Season : Winter
Area : Los Angeles County

Year: 2013 -- Model Years 1968 to 2013 Inclusive -- Winter
Emfac2002 Emission Factors: V2.2 Sept 23 2002

County Average Los Angeles Count County Average

Table 5b: Multi-Day Diurnal Loss Emissions (grams/hour)

Pollutant Name: Reactive Org Gases Temperature: ALL Relative Humidity: ALL

Temp degF	Light Duty Autos			Light Duty Truck 1			Light Duty Truck 2			Medium Duty Truck			Light-Heavy Duty Truck 1			Light-Heavy Duty Truck 2			Medium-Heavy Duty Truck			Heavy-Heavy Duty Truck			Line-Haul Vehicles			Urban Buses			Motorcycles			School Buses			Motor Homes		
	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL
75	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.007	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Title : Los Angeles County Avg 2013 Winter 60°F
Version : Emfac2002 V2.2 Sept 23 2002
Run Date : 03/19/03 15:13:48
Scen Year: 2013 -- Model Years: 1968 to 2013
Season : Winter
Area : Los Angeles County

Year: 2013 -- Model Years 1968 to 2013 Inclusive -- Winter
Emfac2002 Emission Factors: V2.2 Sept 23 2002

County Average Los Angeles Count County Average

Table 6a: Partial Day Resting Loss Emissions (grams/hour)

Pollutant Name: Reactive Org Gases Temperature: ALL Relative Humidity: ALL

Temp degF	Light Duty Autos			Light Duty Truck 1			Light Duty Truck 2			Medium Duty Truck			Light-Heavy Duty Truck 1			Light-Heavy Duty Truck 2			Medium-Heavy Duty Truck			Heavy-Heavy Duty Truck			Line-Haul Vehicles			Urban Buses			Motorcycles			School Buses			Motor Homes		
	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL
75	0.275	0.030	0.000	0.274	0.041	0.000	0.282	0.031	0.000	0.157	0.039	0.000	0.015	0.001	0.000	0.016	0.002	0.000	0.015	0.003	0.000	0.013	0.003	0.000	0.000	0.000	0.000	0.012	0.002	0.000	0.017	0.080	0.000	0.015	0.004	0.000	0.016	0.004	0.000

Title : Los Angeles County Avg 2013 Winter 60°F
Version : Emfac2002 V2.2 Sept 23 2002
Run Date : 03/19/03 15:13:48
Scen Year: 2013 -- Model Years: 1968 to 2013
Season : Winter
Area : Los Angeles County

Year: 2013 -- Model Years 1968 to 2013 Inclusive -- Winter
Emfac2002 Emission Factors: V2.2 Sept 23 2002

County Average Los Angeles Count County Average

Table 6b: Multi-Day Resting Loss Emissions (grams/hour)

Pollutant Name: Reactive Org Gases Temperature: ALL Relative Humidity: ALL

Temp degF	Light Duty Autos			Light Duty Truck 1			Light Duty Truck 2			Medium Duty Truck			Light-Heavy Duty Truck 1			Light-Heavy Duty Truck 2			Medium-Heavy Duty Truck			Heavy-Heavy Duty Truck			Line-Haul Vehicles			Urban Buses			Motorcycles			School Buses			Motor Homes		
	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL
75	0.017	0.002	0.000	0.017	0.003	0.000	0.018	0.002	0.000	0.010	0.003	0.000	0.001	0.000	0.000	0.001	0.000	0.000	0.001	0.000	0.000	0.001	0.000	0.000	0.000	0.000	0.000	0.003	0.001	0.000	0.001	0.008	0.000	0.001	0.000	0.000	0.001	0.000	0.000

Title : Los Angeles County Avg 2013 Winter 60°F
Version : Emfac2002 V2.2 Sept 23 2002
Run Date : 03/19/03 15:13:48
Scen Year: 2013 -- Model Years: 1968 to 2013
Season : Winter
Area : Los Angeles County

Year: 2013 -- Model Years 1968 to 2013 Inclusive -- Winter
Emfac2002 Emission Factors: V2.2 Sept 23 2002

County Average Los Angeles Count County Average

Table 7: Estimated Travel Fractions

Pollutant Name: Temperature: ALL Relative Humidity: ALL

	Light Duty Autos			Light Duty Truck 1			Light Duty Truck 2			Medium Duty Truck			Light-Heavy Duty Truck 1			Light-Heavy Duty Truck 2			Medium-Heavy Duty Truck			Heavy-Heavy Duty Truck			Line-Haul Vehicles			Urban Buses			Motorcycles			School Buses			Motor Homes		
	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL
%VMT	0.10%	58.60%	0.10%	0.10%	10.40%	0.10%	0.10%	16.30%	0.10%	0.00%	6.50%	0.10%	0.00%	0.90%	0.20%	0.00%	0.20%	0.20%	0.00%	0.20%	1.10%	0.00%	0.10%	3.30%	0.00%	0.00%	0.00%	0.00%	0.20%	0.30%	0.10%	0.10%	0.00%	0.00%	0.00%	0.10%	0.00%	0.30%	0.00%
%TRIP	0.20%	55.90%	0.10%	0.10%	9.80%	0.10%	0.10%	15.60%	0.10%	0.00%	6.20%	0.10%	0.00%	3.70%	0.30%	0.00%	1.00%	0.20%	0.10%	1.60%	3.30%	0.00%	0.40%	0.60%	0.00%	0.00%	0.00%	0.00%	0.20%	0.20%	0.00%	0.00%	0.00%	0.10%	0.00%	0.00%	0.00%	0.00%	0.00%
%VEH	0.30%	59.50%	0.10%	0.10%	10.60%	0.10%	0.10%	16.60%	0.10%	0.10%	6.60%	0.10%	0.00%	0.70%	0.10%	0.00%	0.20%	0.10%	0.00%	0.20%	0.80%	0.00%	0.10%	0.80%	0.00%	0.00%	0.00%	0.00%	0.10%	0.10%	0.70%	0.60%	0.00%	0.00%	0.00%	0.10%	0.00%	0.90%	0.10%

Title : Los Angeles County Avg 2015 Summer 75°F
Version : Emfac2002 V2.2 Sept 23 2002
Run Date : 03/10/03 14:32:08
Scen Year: 2015 -- Model Years: 1970 to 2015
Season : Summer
Area : Los Angeles County
Year: 2015 -- Model Years 1970 to 2015 Inclusive -- Summer
Emfac2002 Emission Factors: V2.2 Sept 23 2002

County Average Los Angeles Count County Average

Table 1: Running Exhaust Emissions (grams / mile)

Pollutant Name: Reactive Org Gases Temperature: 75F Relative Humidity: 70%

Speed MPH	Light Duty Autos				Light Duty Truck 1				Light Duty Truck 2				Medium Duty Truck				Light-Heavy Duty Truck 1				Light-Heavy Duty Truck 2				Medium-Heavy Duty Truck				Heavy-Heavy Duty Truck				Line-Haul Vehicles				Urban Buses				Motorcycles				School Buses				Motor Homes				Total All
	NCAT	CAT	DSL		NCAT	CAT	DSL		NCAT	CAT	DSL		NCAT	CAT	DSL		NCAT	CAT	DSL		NCAT	CAT	DSL		NCAT	CAT	DSL		NCAT	CAT	DSL		NCAT	CAT	DSL		NCAT	CAT	DSL														
5	17.650	0.241	0.667		17.915	0.417	0.396		18.039	0.373	0.252		22.199	0.607	0.243		16.679	0.241	0.587		16.679	0.359	0.622		25.069	1.481	0.591		66.900	13.139	0.806		0.000	0.000	0.000		31.918	9.108	2.457		5.163	4.267	0.000		25.069	5.122	1.073		25.069	1.353	0.281		0.42
10	12.540	0.156	0.523		12.729	0.278	0.311		12.818	0.242	0.197		15.780	0.399	0.191		10.895	0.155	0.461		10.895	0.231	0.488		16.392	0.960	0.464		43.801	8.577	0.633		0.000	0.000	0.000		20.880	5.958	1.783		4.058	3.116	0.000		16.392	3.337	0.842		16.392	0.879	0.221		0.28
15	9.320	0.106	0.420		9.461	0.195	0.250		9.527	0.166	0.158		11.734	0.275	0.153		7.410	0.105	0.370		7.410	0.156	0.392		11.164	0.647	0.373		29.885	5.830	0.508		0.000	0.000	0.000		14.230	4.060	1.339		3.337	2.398	0.000		11.164	2.262	0.676		11.164	0.595	0.177		0.20
20	7.246	0.076	0.345		7.356	0.142	0.205		7.408	0.120	0.130		9.129	0.200	0.126		5.248	0.074	0.303		5.248	0.110	0.321		7.920	0.454	0.306		21.248	4.126	0.417		0.000	0.000	0.000		10.102	2.884	1.042		2.873	1.946	0.000		7.920	1.596	0.554		7.920	0.418	0.145		0.15
25	5.896	0.058	0.289		5.985	0.110	0.172		6.027	0.091	0.109		7.432	0.152	0.105		3.870	0.055	0.254		3.870	0.080	0.269		5.853	0.330	0.256		15.743	3.041	0.349		0.000	0.000	0.000		7.472	2.135	0.839		2.592	1.668	0.000		5.853	1.172	0.465		5.853	0.306	0.122		0.12
30	5.020	0.046	0.248		5.097	0.089	0.147		5.133	0.073	0.093		6.332	0.122	0.090		2.972	0.042	0.218		2.972	0.061	0.231		4.506	0.250	0.220		12.156	2.335	0.300		0.000	0.000	0.000		5.758	1.647	0.701		2.450	1.509	0.000		4.506	0.896	0.399		4.506	0.233	0.105		0.10
35	4.476	0.039	0.217		4.545	0.075	0.129		4.577	0.061	0.082		5.648	0.102	0.079		2.379	0.034	0.191		2.379	0.048	0.202		3.615	0.198	0.193		9.783	1.869	0.263		0.000	0.000	0.000		4.624	1.324	0.605		2.427	1.444	0.000		3.615	0.715	0.349		3.615	0.186	0.092		0.08
40	4.179	0.034	0.194		4.244	0.067	0.116		4.273	0.055	0.073		5.276	0.090	0.071		1.985	0.028	0.171		1.985	0.040	0.181		3.023	0.163	0.172		8.207	1.560	0.235		0.000	0.000	0.000		3.872	1.110	0.542		2.520	1.460	0.000		3.023	0.594	0.313		3.023	0.154	0.082		0.07
45	4.088	0.032	0.178		4.151	0.063	0.106		4.180	0.051	0.067		5.160	0.084	0.065		1.728	0.024	0.157		1.728	0.035	0.166		2.637	0.141	0.158		7.178	1.359	0.215		0.000	0.000	0.000		3.380	0.970	0.502		2.743	1.561	0.000		2.637	0.516	0.287		2.637	0.134	0.075		0.07
50	4.188	0.031	0.167		4.252	0.062	0.099		4.282	0.050	0.063		5.286	0.083	0.061		1.570	0.022	0.147		1.570	0.031	0.155		2.400	0.127	0.148		6.547	1.236	0.202		0.000	0.000	0.000		3.079	0.884	0.482		3.128	1.762	0.000		2.400	0.468	0.268		2.400	0.121	0.070		0.07
55	4.494	0.032	0.160		4.563	0.064	0.095		4.595	0.052	0.060		5.671	0.086	0.058		1.491	0.021	0.141		1.491	0.030	0.149		2.281	0.120	0.141		6.228	1.174	0.193		0.000	0.000	0.000		2.926	0.840	0.479		3.735	2.101	0.000		2.281	0.444	0.257		2.281	0.115	0.067		0.07
60	5.051	0.035	0.156		5.128	0.069	0.093		5.164	0.056	0.059		6.371	0.094	0.057		1.478	0.021	0.137		1.478	0.030	0.146		2.262	0.119	0.138		6.179	1.164	0.189		0.000	0.000	0.000		2.903	0.834	0.493		4.668	2.640	0.000		2.262	0.440	0.251		2.262	0.114	0.066		0.08
65	5.944	0.041	0.156		6.034	0.079	0.093		6.076	0.065	0.059		7.492	0.108	0.057		1.532	0.022	0.137		1.532	0.031	0.146		2.343	0.124	0.138		6.394	1.206	0.189		0.000	0.000	0.000		3.006	0.863	0.526		6.103	3.496	0.000		2.343	0.457	0.251		2.343	0.118	0.066		0.09

Pollutant Name: Carbon Monoxide Temperature: 75F Relative Humidity: 70%

Speed MPH	Light Duty Autos			Light Duty Truck 1			Light Duty Truck 2			Medium Duty Truck			Light-Heavy Duty Truck 1			Light-Heavy Duty Truck 2			Medium-Heavy Duty Truck			Heavy-Heavy Duty Truck			Line-Haul Vehicles			Urban Buses			Motorcycles			School Buses			Motor Homes			Total All
	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL				
5	141.828	3.537	2.970	142.173	7.109	2.545	141.978	5.685	2.048	240.861	7.309	2.025	293.166	2.710	3.156	293.166	4.485	3.135	439.750	18.810	5.736	1610.142	157.394	5.052	0.000	0.000	0.000	516.591	48.518	14.771	36.581	14.670	0.000	439.749	54.754	9.707	439.749	25.990	2.831	5.29
10	103.373	3.114	2.048	103.625	6.009	1.755	103.483	4.940	1.412	175.556	6.253	1.396	195.047	1.803	2.176	195.047	2.984	2.162	292.570	12.515	3.955	1071.246	104.716	3.483	0.000	0.000	0.000	343.694	32.280	9.297	30.002	13.079	0.000	292.570	36.429	6.694	292.570	17.291	1.952	4.42
15	79.347	2.777	1.478	79.540	5.196	1.266	79.431	4.362	1.019	134.753	5.461	1.007	137.104	1.267	1.570	137.104	2.097	1.560	205.656	8.797	2.855	753.010	73.608	2.514	0.000	0.000	0.000	241.592	22.690	6.213	25.913	11.853	0.000	205.656	25.607	4.830	205.656	12.154	1.409	3.79
20	64.140	2.501	1.116	64.296	4.580	0.956	64.208	3.903	0.770	108.927	4.850	0.761	101.823	0.941	1.186	101.823	1.558	1.178	152.735	6.533	2.155	559.240	54.667	1.898	0.000	0.000	0.000	179.424	16.851	4.409	23.570	10.899	0.000	152.735	19.017	3.648	152.735	9.027	1.064	3.33
25	54.601	2.273	0.882	54.734	4.104	0.756	54.659	3.533	0.608	92.727	4.371	0.601	79.897	0.739	0.937	79.897	1.222	0.931	119.846	5.126	1.704	438.815	42.895	1.500	0.000	0.000	0.000	140.788	13.223	3.322	22.577	10.165	0.000	119.846	14.922	2.883	119.846	7.083	0.841	2.98
30	48.949	2.083	0.730	49.069	3.736	0.625	49.001	3.231	0.503	83.129	3.990	0.497	66.237	0.612	0.775	66.237	1.013	0.770	99.356	4.250	1.409	363.790	35.561	1.241	0.000	0.000	0.000	116.717	10.962	2.658	22.775	9.624	0.000	99.356	12.371	2.385	99.356	5.872	0.696	2.71
35	46.214	1.924	0.632	46.326	3.451	0.541	46.263	2.985	0.436	78.483	3.689	0.431	58.017	0.536	0.671	58.017	0.887	0.667	87.026	3.722	1.220	318.645	31.148	1.074	0.000	0.000	0.000	102.233	9.602	2.258	24.195	9.273	0.000	87.026	10.836	2.065	87.026	5.143	0.602	2.50
40	45.948	1.791	0.572	46.060	3.237	0.490	45.997	2.786	0.395	78.032	3.455	0.390	53.691	0.496	0.608	53.691	0.821	0.604	80.536	3.445	1.105	294.883	28.825	0.973	0.000	0.000	0.000	94.609	8.886	2.037	27.068	9.129	0.000	80.536	10.028	1.870	80.536	4.760	0.546	2.34
45	48.110	1.681	0.543	48.227	3.087	0.465	48.161	2.629	0.374	81.704	3.282	0.370	52.496	0.485	0.577	52.496	0.803	0.573	78.744	3.368	1.048	388.222	28.184	0.923	0.000	0.000	0.000	92.744	8.688	1.952	31.892	9.240	0.000	78.744	9.805	1.773	78.744	4.654	0.517	2.23
50	53.050	1.594	0.538	53.179	3.000	0.461	53.106	2.513	0.371	90.092	3.169	0.367	54.230	0.501	0.572	54.230	0.830	0.568	81.346	3.480	1.040	297.847	29.115	0.916	0.000	0.000	0.000	95.960	8.975	1.985	39.570	9.697	0.000	81.346	10.129	1.760	81.346	4.808	0.513	2.16
55	61.603	1.529	0.559	61.753	2.983	0.479	61.668	2.439	0.386	104.619	3.122	0.381	59.189	0.547	0.594	59.189	0.905	0.580	88.784	3.798	1.080	325.082	31.777	0.951	0.000	0.000	0.000	104.256	8.796	2.144	51.704	10.667	0.000	88.784	11.055	1.827	88.784	5.247	0.533	2.15
60	75.335	1.489	0.698	75.519	3.051	0.521	75.415	2.415	0.419	127.939	3.157	0.414	68.254	0.631	0.646	68.254	1.044	0.641	102.381	4.379	1.174	374.870	36.644	1.034	0.000	0.000	0.000	120.272	11.296	2.459	71.148	12.452	0.000	102.381	12.748	1.986	102.381	6.051	0.579	2.20
65	97.022	1.479	0.691	97.258	3.236	0.592	97.124	2.456	0.477	169.739	3.301	0.471	83.158	0.769	0.734	83.158	1.272	0.729	124.737	5.336	1.335	456.724	44.646	1.176	0.000	0.000	0.000	146.533	13.262	2.994	103.104	15.603	0.000	124.737	15.531	2.259	124.737	7.372	0.659	2.20

Pollutant Name: Sulfur Dioxide				Temperature: 75F				Relative Humidity: 70%																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
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Pollutant Name: PM10				Temperature: 75F				Relative Humidity: 70%																																	
Speed MPH	Light Duty Autos			Light Duty Truck 1			Light Duty Truck 2			Medium Duty Truck			Light-Heavy Duty Truck 1			Light-Heavy Duty Truck 2			Medium-Heavy Duty Truck			Heavy-Heavy Duty Truck			Line-Haul Vehicles			Urban Buses			Motorcycles			School Buses			Motor Homes			Total All	
	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL					
5	0.104	0.057	0.375	0.099	0.065	0.198	0.107	0.136	0.133	0.107	0.138	0.127	0.101	0.048	0.094	0.101	0.049	0.114	0.101	0.048	0.513	0.101	0.093	0.338	0.000	0.000	0.000	0.101	0.089	0.882	0.080	0.006	0.000	0.101	0.060	0.930	0.101	0.386	0.09		
10	0.074	0.037	0.294	0.070	0.043	0.155	0.076	0.089	0.104	0.076	0.091	0.100	0.066	0.032	0.074	0.066	0.032	0.090	0.066	0.031	0.403	0.066	0.061	0.265	0.000	0.000	0.000	0.066	0.058	0.640	0.063	0.004	0.000	0.066	0.039	0.730	0.066	0.011	0.303	0.06	
15	0.055	0.026	0.236	0.052	0.030	0.125	0.057	0.061	0.084	0.057	0.063	0.080	0.045	0.022	0.059	0.045	0.022	0.072	0.045	0.021	0.324	0.045	0.042	0.213	0.000	0.000	0.000	0.045	0.040	0.481	0.052	0.003	0.000	0.045	0.027	0.586	0.045	0.007	0.243	0.05	
20	0.043	0.019	0.194	0.041	0.022	0.102	0.044	0.045	0.069	0.044	0.046	0.066	0.032	0.015	0.049	0.032	0.015	0.059	0.032	0.015	0.265	0.032	0.030	0.175	0.000	0.000	0.000	0.045	0.032	0.028	0.374	0.045	0.003	0.000	0.032	0.019	0.481	0.032	0.005	0.199	0.04
25	0.035	0.014	0.162	0.033	0.017	0.086	0.036	0.034	0.057	0.036	0.035	0.055	0.024	0.011	0.041	0.024	0.012	0.050	0.024	0.011	0.223	0.024	0.022	0.146	0.000	0.000	0.000	0.024	0.021	0.301	0.041	0.002	0.000	0.024	0.014	0.403	0.024	0.004	0.167	0.03	
30	0.030	0.011	0.139	0.028	0.014	0.073	0.031	0.027	0.049	0.031	0.028	0.047	0.019	0.009	0.035	0.019	0.009	0.042	0.019	0.009	0.191	0.019	0.017	0.125	0.000	0.000	0.000	0.024	0.016	0.252	0.039	0.002	0.000	0.019	0.011	0.346	0.019	0.003	0.143	0.02	
35	0.027	0.010	0.122	0.025	0.012	0.064	0.027	0.023	0.043	0.028	0.024	0.042	0.015	0.007	0.031	0.015	0.007	0.037	0.015	0.007	0.167	0.015	0.014	0.110	0.000	0.000	0.000	0.015	0.013	0.217	0.038	0.002	0.000	0.015	0.009	0.303	0.015	0.002	0.126	0.02	
40	0.025	0.009	0.109	0.024	0.010	0.058	0.026	0.021	0.039	0.026	0.022	0.037	0.013	0.006	0.027	0.013	0.006	0.033	0.013	0.006	0.150	0.013	0.012	0.098	0.000	0.000	0.000	0.013	0.011	0.195	0.040	0.002	0.000	0.013	0.007	0.271	0.013	0.002	0.113	0.02	
45	0.024	0.008	0.100	0.023	0.010	0.053	0.025	0.019	0.035	0.025	0.020	0.034	0.011	0.005	0.025	0.011	0.005	0.031	0.011	0.005	0.137	0.011	0.010	0.090	0.000	0.000	0.000	0.011	0.010	0.180	0.043	0.002	0.000	0.011	0.006	0.248	0.011	0.002	0.103	0.02	
50	0.025	0.008	0.094	0.024	0.009	0.049	0.026	0.019	0.033	0.026	0.020	0.032	0.010	0.005	0.023	0.010	0.005	0.029	0.010	0.005	0.128	0.010	0.009	0.084	0.000	0.000	0.000	0.010	0.009	0.173	0.049	0.002	0.000	0.010	0.006	0.233	0.010	0.002	0.097	0.02	
55	0.027	0.008	0.090	0.026	0.010	0.047	0.028	0.020	0.032	0.028	0.021	0.031	0.010	0.005	0.022	0.010	0.005	0.027	0.010	0.005	0.123	0.010	0.009	0.081	0.000	0.000	0.000	0.010	0.008	0.172	0.058	0.003	0.000	0.010	0.006	0.223	0.010	0.002	0.092	0.02	
60	0.030	0.009	0.088	0.029	0.011	0.046	0.031	0.022	0.031	0.031	0.022	0.030	0.009	0.005	0.022	0.009	0.005	0.027	0.009	0.004	0.120	0.009	0.009	0.079	0.000	0.000	0.000	0.009	0.008	0.177	0.073	0.003	0.000	0.009	0.006	0.218	0.009	0.002	0.090	0.02	
65	0.035	0.011	0.088	0.034	0.012	0.046	0.036	0.025	0.031	0.036	0.026	0.030	0.010	0.005	0.022	0.010	0.005	0.027	0.010	0.005	0.120	0.010	0.009	0.079	0.000	0.000	0.000	0.010	0.009	0.189	0.095	0.005	0.000	0.010	0.006	0.218	0.010	0.002	0.090	0.02	

[illegible][illegible]

Pollutant Name: Gasoline - mi / gal				Temperature: 75F			Relative Humidity: 70%																																	
Speed MPH	Light Duty Autos			Light Duty Truck 1			Light Duty Truck 2			Medium Duty Truck			Light-Heavy Duty Truck 1			Light-Heavy Duty Truck 2			Medium-Heavy Duty Truck			Heavy-Heavy Duty Truck			Line-Haul Vehicles			Urban Buses			Motorcycles			School Buses			Motor Homes			Total All
	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL				
5	5.229	8.389	0.000	5.272	6.749	0.000	5.268	6.741	0.000	4.173	4.921	0.000	2.877	3.517	0.000	2.877	3.512	0.000	2.635	3.471	0.000	1.621	3.115	0.000	0.000	0.000	0.000	2.512	3.347	0.000	27.636	26.850	0.000	2.635	3.366	0.000	2.635	3.457	0.000	7.22
10	7.011	11.197	0.000	7.054	9.001	0.000	7.049	8.992	0.000	5.593	6.565	0.000	4.327	5.279	0.000	4.327	5.279	0.000	3.963	5.218	0.000	2.439	4.685	0.000	0.000	0.000	0.000	3.779	5.032	0.000	32.807	32.616	0.000	3.963	5.061	0.000	3.963	5.197	0.000	9.63
15	8.993	14.332	0.000	9.048	11.517	0.000	9.042	11.506	0.000	7.180	8.402	0.000	6.161	7.521	0.000	6.161	7.510	0.000	5.645	7.424	0.000	3.478	6.670	0.000	0.000	0.000	0.000	5.385	7.163	0.000	37.978	38.220	0.000	5.645	7.202	0.000	5.645	7.393	0.000	12.36
20	11.072	17.624	0.000	11.147	14.158	0.000	11.140	14.146	0.000	8.848	10.332	0.000	8.307	10.127	0.000	8.307	10.113	0.000	7.616	9.998	0.000	4.697	8.992	0.000	0.000	0.000	0.000	7.268	9.654	0.000	42.888	43.244	0.000	7.616	9.702	0.000	7.616	9.957	0.000	15.13
25	13.097	20.838	0.000	13.196	16.740	0.000	13.189	16.725	0.000	10.471	12.217	0.000	10.605	12.906	0.000	10.605	12.889	0.000	9.728	12.744	0.000	6.010	11.476	0.000	0.000	0.000	0.000	9.289	12.317	0.000	47.233	47.267	0.000	9.728	12.373	0.000	9.728	12.691	0.000	17.94
30	14.888	23.707	0.000	15.015	19.046	0.000	15.006	19.029	0.000	11.902	13.901	0.000	12.818	15.569	0.000	12.818	15.548	0.000	11.767	15.375	0.000	7.282	13.867	0.000	0.000	0.000	0.000	11.242	14.876	0.000	50.675	49.915	0.000	11.767	14.935	0.000	11.767	15.311	0.000	20.41
35	16.267	25.966	0.000	16.420	20.864	0.000	16.410	20.844	0.000	12.993	15.227	0.000	14.666	17.775	0.000	14.666	17.752	0.000	13.476	17.558	0.000	8.356	15.861	0.000	0.000	0.000	0.000	12.883	17.007	0.000	52.861	50.910	0.000	13.476	17.065	0.000	13.476	17.485	0.000	22.36
40	17.085	27.395	0.000	17.256	22.017	0.000	17.247	21.995	0.000	13.622	16.068	0.000	15.886	19.209	0.000	15.886	19.183	0.000	14.609	18.977	0.000	9.078	17.174	0.000	0.000	0.000	0.000	13.976	18.405	0.000	53.458	50.117	0.000	14.609	18.456	0.000	14.609	18.898	0.000	23.59
45	17.244	27.860	0.000	17.425	22.396	0.000	17.416	22.373	0.000	13.712	16.343	0.000	16.287	19.647	0.000	16.287	19.621	0.000	14.992	19.414	0.000	9.337	17.602	0.000	0.000	0.000	0.000	14.353	18.853	0.000	52.200	47.573	0.000	14.992	18.892	0.000	14.992	19.333	0.000	23.99
50	16.724	27.334	0.000	16.902	21.976	0.000	16.894	21.955	0.000	13.246	16.035	0.000	15.805	19.019	0.000	15.805	18.995	0.000	14.562	18.799	0.000	9.089	17.074	0.000	0.000	0.000	0.000	13.952	18.279	0.000	48.956	43.492	0.000	14.562	18.304	0.000	14.562	18.719	0.000	23.52
55	15.578	25.895	0.000	15.741	20.819	0.000	15.734	20.801	0.000	12.274	15.189	0.000	14.516	17.427	0.000	14.516	17.405	0.000	13.386	17.228	0.000	8.384	15.676	0.000	0.000	0.000	0.000	13.835	18.773	0.000	43.814	38.247	0.000	13.386	16.785	0.000	13.386	17.155	0.000	22.26
60	13.928	23.705	0.000	14.067	19.053	0.000	14.060	19.041	0.000	10.900	13.900	0.000	12.617	15.113	0.000	12.617	15.094	0.000	11.645	14.944	0.000	7.300	13.620	0.000	0.000	0.000	0.000	11.173	14.566	0.000	37.148	32.311	0.000	11.645	14.568	0.000	11.645	14.880	0.000	20.35
65	11.943	20.975	0.000	12.052	16.851	0.000	12.046	16.844	0.000	9.269	12.293	0.000	10.378	12.405	0.000	10.378	12.400	0.000	9.586	12.268	0.000	6.022	11.200	0.000	0.000	0.000	0.000	9.204	11.972	0.000	29.620	26.191	0.000	9.586	11.966	0.000	9.586	12.216	0.000	17.98

Pollutant Name: Diesel - mi / gal Temperature: 75F Relative Humidity: 70%

Speed MPH	Light Duty Autos			Light Duty Truck 1			Light Duty Truck 2			Medium Duty Truck			Light-Heavy Duty Truck 1			Light-Heavy Duty Truck 2			Medium-Heavy Duty Truck			Heavy-Heavy Duty Truck			Line-Haul Vehicles			Urban Buses			Motorcycles			School Buses			Motor Homes			Total All
	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	
5	0.000	0.000	27.901	0.000	0.000	28.925	0.000	0.000	29.080	0.000	0.000	29.104	0.000	0.000	19.392	0.000	0.000	19.267	0.000	0.000	6.698	0.000	0.000	4.632	0.000	0.000	0.000	0.000	0.000	3.776	0.000	0.000	0.000	0.000	0.000	6.698	0.000	0.000	6.698	0.41
10	0.000	0.000	27.901	0.000	0.000	28.925	0.000	0.000	29.080	0.000	0.000	29.104	0.000	0.000	19.392	0.000	0.000	19.267	0.000	0.000	6.698	0.000	0.000	4.632	0.000	0.000	0.000	0.000	0.000	3.776	0.000	0.000	0.000	0.000	0.000	6.698	0.000	0.000	6.698	0.41
15	0.000	0.000	27.901	0.000	0.000	28.925	0.000	0.000	29.080	0.000	0.000	29.104	0.000	0.000	19.392	0.000	0.000	19.267	0.000	0.000	6.698	0.000	0.000	4.632	0.000	0.000	0.000	0.000	0.000	3.776	0.000	0.000	0.000	0.000	0.000	6.698	0.000	0.000	6.698	0.41
20	0.000	0.000	27.901	0.000	0.000	28.925	0.000	0.000	29.080	0.000	0.000	29.104	0.000	0.000	19.392	0.000	0.000	19.267	0.000	0.000	6.698	0.000	0.000	4.632	0.000	0.000	0.000	0.000	0.000	3.776	0.000	0.000	0.000	0.000	0.000	6.698	0.000	0.000	6.698	0.41
25	0.000	0.000	27.901	0.000	0.000	28.925	0.000	0.000	29.080	0.000	0.000	29.104	0.000	0.000	19.392	0.000	0.000	19.267	0.000	0.000	6.698	0.000	0.000	4.632	0.000	0.000	0.000	0.000	0.000	3.776	0.000	0.000	0.000	0.000	0.000	6.698	0.000	0.000	6.698	0.41
30	0.000	0.000	27.901	0.000	0.000	28.925	0.000	0.000	29.080	0.000	0.000	29.104	0.000	0.000	19.392	0.000	0.000	19.267	0.000	0.000	6.698	0.000	0.000	4.632	0.000	0.000	0.000	0.000	0.000	3.776	0.000	0.000	0.000	0.000	0.000	6.698	0.000	0.000	6.698	0.41
35	0.000	0.000	27.901	0.000	0.000	28.925	0.000	0.000	29.080	0.000	0.000	29.104	0.000	0.000	19.392	0.000	0.000	19.267	0.000	0.000	6.698	0.000	0.000	4.632	0.000	0.000	0.000	0.000	0.000	3.776	0.000	0.000	0.000	0.000	0.000	6.698	0.000	0.000	6.698	0.41
40	0.000	0.000	27.901	0.000	0.000	28.925	0.000	0.000	29.080	0.000	0.000	29.104	0.000	0.000	19.392	0.000	0.000	19.267	0.000	0.000	6.698	0.000	0.000	4.632	0.000	0.000	0.000	0.000	0.000	3.776	0.000	0.000	0.000	0.000	0.000	6.698	0.000	0.000	6.698	0.41
45	0.000	0.000	27.901	0.000	0.000	28.925	0.000	0.000	29.080	0.000	0.000	29.104	0.000	0.000	19.392	0.000	0.000	19.267	0.000	0.000	6.698	0.000	0.000	4.632	0.000	0.000	0.000	0.000	0.000	3.776	0.000	0.000	0.000	0.000	0.000	6.698	0.000	0.000	6.698	0.41
50	0.000	0.000	27.901	0.000	0.000	28.925	0.000	0.000	29.080	0.000	0.000	29.104	0.000	0.000	19.392	0.000	0.000	19.267	0.000	0.000	6.698	0.000	0.000	4.632	0.000	0.000	0.000	0.000	0.000	3.776	0.000	0.000	0.000	0.000	0.000	6.698	0.000	0.000	6.698	0.41
55	0.000	0.000	27.901	0.000	0.000	28.925	0.000	0.000	29.080	0.000	0.000	29.104	0.000	0.000	19.392	0.000	0.000	19.267	0.000	0.000	6.698	0.000	0.000	4.632	0.000	0.000	0.000	0.000	0.000	3.776	0.000	0.000	0.000	0.000	0.000	6.698	0.000	0.000	6.698	0.41
60	0.000	0.000	27.901	0.000	0.000	28.925	0.000	0.000	29.080	0.000	0.000	29.104	0.000	0.000	19.392	0.000	0.000	19.267	0.000	0.000	6.698	0.000	0.000	4.632	0.000	0.000	0.000	0.000	0.000	3.776	0.000	0.000	0.000	0.000	0.000	6.698	0.000	0.000	6.698	0.41
65	0.000	0.000	27.901	0.000	0.000	28.925	0.000	0.000	29.080	0.000	0.000	29.104	0.000	0.000	19.392	0.000	0.000	19.267	0.000	0.000	6.698	0.000	0.000	4.632	0.000	0.000	0.000	0.000	0.000	3.776	0.000	0.000	0.000	0.000	0.000	6.698	0.000	0.000	6.698	0.41

Title : Los Angeles County Avg 2015 Summer 75°F

Version : Emfac2002 V2.2 Sept 23 2002

Run Date : 03/10/03 14:32:08

Scen Year: 2015 -- Model Years: 1970 to 2015

Season : Summer

Area : Los Angeles County

Year: 2015 -- Model Years 1970 to 2015 Inclusive -- Summer

Emfac2002 Emission Factors: V2.2 Sept 23 2002

County Average Los Angeles Count County Average

Table 2: Starting Emissions (grams /trip)

Pollutant Name: Reactive Org Gases Temperature: 75F Relative Humidity: ALL

min	Light Duty Autos			Light Duty Truck 1			Light Duty Truck 2			Medium Duty Truck			Light-Heavy Duty Truck 1			Light-Heavy Duty Truck 2			Medium-Heavy Duty Truck			Heavy-Heavy Duty Truck			Line-Haul Vehicles			Urban Buses			Motorcycles			School Buses			Motor Homes			Total All	
	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL					
5	2.750	0.032	0.000	2.722	0.042	0.000	2.710	0.040	0.000	3.514	0.066	0.000	4.384	0.126	0.000	4.384	0.157	0.000	6.576	0.319	0.000	10.268	1.213	0.000	0.000	0.000	0.000	8.365	0.468	0.000	1.288	0.222	0.000	6.576	0.376	0.000	6.576	0.189	0.000	0.05	
10	2.727	0.063	0.000	2.699	0.082	0.000	2.687	0.079	0.000	3.484	0.129	0.000	4.346	0.247	0.000	4.346	0.307	0.000	6.519	0.622	0.000	10.180	2.365	0.000	0.000	0.000	8.293	0.912	0.000	1.277	0.432	0.000	6.519	0.733	0.000	6.519	0.369	0.000	0.08		
20	2.753	0.120	0.000	2.725	0.156	0.000	2.712	0.150	0.000	3.517	0.247	0.000	4.388	0.473	0.000	4.388	0.585	0.000	6.581	1.179	0.000	10.277	4.483	0.000	0.000	0.000	8.373	1.730	0.000	1.290	0.820	0.000	6.581	1.390	0.000	6.581	0.699	0.000	0.15		
30	2.877	0.171	0.000	2.847	0.223	0.000	2.834	0.216	0.000	3.675	0.353	0.000	4.585	0.677	0.000	4.585	0.834	0.000	6.877	1.672	0.000	10.739	6.355	0.000	0.000	0.000	8.749	2.452	0.000	1.347	1.162	0.000	6.877	1.970	0.000	6.877	0.991	0.000	0.22		
40	3.098	0.217	0.000	3.066	0.282	0.000	3.052	0.274	0.000	3.958	0.448	0.000	4.938	0.859	0.000	4.938	1.055	0.000	7.406	2.099	0.000	11.565	7.981	0.000	0.000	0.000	9.422	3.079	0.000	1.451	1.459	0.000	7.406	2.474	0.000	7.406	1.245	0.000	0.27		
50	3.417	0.257	0.000	3.382	0.334	0.000	3.367	0.326	0.000	4.365	0.531	0.000	5.446	1.020	0.000	5.446	1.248	0.000	8.169	2.462	0.000	12.756	9.360	0.000	0.000	0.000	10.393	3.611	0.000	1.601	1.712	0.000	8.169	2.902	0.000	8.169	1.460	0.000	0.32		
60	3.552	0.292	0.000	3.516	0.377	0.000	3.500	0.371	0.000	4.538	0.602	0.000	5.662	1.160	0.000	5.662	1.412	0.000	8.493	2.760	0.000	13.262	10.493	0.000	0.000	0.000	10.805	4.048	0.000	1.664	1.919	0.000	8.493	3.253	0.000	8.493	1.637	0.000	0.37		
120	3.898	0.395	0.000	3.858	0.498	0.000	3.840	0.513	0.000	4.979	0.816	0.000	6.212	1.594	0.000	6.212	1.867	0.000	9.318	3.370	0.000	14.550	12.810	0.000	0.000	0.000	11.854	4.943	0.000	1.826	2.343	0.000	9.318	3.971	0.000	9.318	1.999	0.000	0.49		
180	4.243	0.420	0.000	4.200	0.529	0.000	4.180	0.546	0.000	5.420	0.868	0.000	6.762	1.696	0.000	6.762	1.984	0.000	10.144	3.576	0.000	15.839	13.593	0.000	0.000	0.000	12.904	5.244	0.000	1.987	2.486	0.000	10.144	4.214	0.000	10.144	2.121	0.000	0.52		
240	4.588	0.445	0.000	4.541	0.559	0.000	4.521	0.578	0.000	5.861	0.919	0.000	7.313	1.795	0.000	7.313	2.099	0.000	10.969	3.775	0.000	17.128	14.350	0.000	0.000	0.000	13.954	5.537	0.000	2.149	2.624	0.000	10.969	4.449	0.000	10.969	2.239	0.000	0.55		
300	4.933	0.469	0.000	4.883	0.589	0.000	4.861	0.610	0.000	6.302	0.969	0.000	7.863	1.893	0.000	7.863	2.211	0.000	11.794	3.968	0.000	18.416	15.083	0.000	0.000	0.000	15.004	5.819	0.000	2.311	2.758	0.000	11.794	4.676	0.000	11.794	2.353	0.000	0.58		
360	5.278	0.492	0.000	5.225	0.618	0.000	5.201	0.641	0.000	6.743	1.017	0.000	8.413	1.989	0.000	8.413	2.321	0.000	12.619	4.154	0.000	19.705	15.791	0.000	0.000	0.000	16.054	6.092	0.000	2.473	2.887	0.000	12.619	4.895	0.000	12.619	2.464	0.000	0.61		
420	5.624	0.515	0.000	5.524	0.566	0.647	0.000	0.666	0.551	0.671	0.000	0.679	7.184	1.065	0.000	1.067	8.963	2.082	0.000	1.974	8.963	2.427	0.000	1.950	13.445	4.334	0.000	1.650	20.994	16.474	0.000	6.121	0.000	0.000	0.000	0.000	0.000	17.104	6.356	0.000	1.33
480	5.969	0.537	0.000	5.547	0.598	0.674	0.000	0.695	5.581	0.701	0.000	0.709	7.625	1.111	0.000	1.114	9.513	2.174	0.000	2.062	9.513	2.531	0.000	2.033	14.270	4.507	0.000	1.615	22.882	17.132	0.000	6.370	0.000	0.000	0.000	0.000	0.000	18.153	6.610	0.000	1.40
540	6.314	0.559	0.000	5.570	0.6250	0.701	0.000	0.723	6.221	0.730	0.000	0.739	8.066	1.157	0.000	1.160	10.063	2.263	0.000	2.148	10.063	2.632	0.000	2.115	15.095	4.673	0.000	1.679	23.571	17.765	0.000	6.610	0.000	0.000	0.000	0.000	0.000	19.203	6.854	0.000	1.47
600	6.659	0.581	0.000	5.592	0.581	0.727	0.000	0.751	6.561	0.758	0.000	0.768	8.507	1.201	0.000	1.204	10.614	2.351	0.000	2.231	10.614	2.730	0.000	2.193	15.920	4.833	0.000	1.740	24.859	18.374	0.000	6.842	0.000	0.000	0.000	0.000	0.000	20.253	7.089	0.000	1.54
660	7.004	0.601	0.000	6.613	6.933	0.752	0.000	0.777	6.901	0.786	0.000	0.796	8.948	1.244	0.000	1.248	11.164	2.436	0.000	2.313	11.164	2.825	0.000	2.270	16.746	4.987	0.000	1.800	26.148	18.957	0.000	7.064	0.000	0.000	0.000	0.000	0.000	21.303	7.314	0.000	1.61
720	7.349	0.622	0.000	6.634	7.275	0.777	0.000	0.803	7.241	0.813	0.000	0.824	9.349	1.286	0.000	1.290	11.714	2.519	0.000	2.393	11.714	2.917	0.000	2.344	17.571	5.134	0.000	1.857	27.437	19.516	0.000	7.278	0.000	0.000	0.000	0.000	0.000	22.353	7.530	0.000	1.68

Pollutant Name: Oxides of Nitrogen Temperature: 75F Relative Humidity: ALL

min	Light Duty Autos				Light Duty Truck 1				Light Duty Truck 2				Medium Duty Truck				Light-Heavy Duty Truck 1				Light-Heavy Duty Truck 2				Medium-Heavy Duty Truck				Heavy-Heavy Duty Truck				Line-Haul Vehicles				Urban Buses				Motorcycles				School Buses				Motor Homes				Total All
	NCAT	CAT	DSL		NCAT	CAT	DSL		NCAT	CAT	DSL		NCAT	CAT	DSL		NCAT	CAT	DSL		NCAT	CAT	DSL		NCAT	CAT	DSL		NCAT	CAT	DSL		NCAT	CAT	DSL		NCAT	CAT	DSL		NCAT	CAT	DSL										
5	1.043	0.142	0.000		1.013	0.155	0.000		1.026	0.302	0.000		1.610	0.348	0.000		0.500	1.270	0.000		0.500	1.273	0.000		0.749	1.222	0.000		2.906	4.355	0.000		0.000	0.000	0.000		0.994	2.091	0.000		0.260	0.085	0.000		0.749	1.268	0.000		0.749	0.638	0.000		0.20
10	1.134	0.164	0.000		1.101	0.185	0.000		1.116	0.339	0.000		1.750	0.407	0.000		0.543	1.469	0.000		0.543	1.565	0.000		0.815	1.841	0.000		3.159	6.562	0.000		0.000	0.000	0.000		1.080	3.150	0.000		0.282	0.127	0.000		0.815	1.910	0.000		0.815	0.962	0.000		0.24
20	1.299	0.202	0.000		1.261	0.239	0.000		1.278	0.406	0.000		2.004	0.512	0.000		0.622	1.823	0.000		0.622	2.081	0.000		0.933	2.928	0.000		3.618	10.437	0.000		0.000	0.000	0.000		1.237	5.010	0.000		0.323	0.203	0.000		0.933	3.038	0.000		0.933	1.530	0.000		0.30
30	1.442	0.233	0.000		1.400	0.283	0.000		1.419	0.462	0.000		2.225	0.598	0.000		0.691	2.115	0.000		0.691	2.505	0.000		1.036	3.814	0.000		4.017	13.595	0.000		0.000	0.000	0.000		1.374	6.526	0.000		0.359	0.264	0.000		1.036	3.958	0.000		1.036	1.992	0.000		0.35
40	1.563	0.258	0.000		1.518	0.317	0.000		1.538	0.506	0.000		2.411	0.666	0.000		0.748	2.346	0.000		0.748	2.837	0.000		1.123	4.499	0.000		4.353	16.035	0.000		0.000	0.000	0.000		1.489	7.698	0.000		0.389	0.312	0.000		1.123	4.668	0.000		1.123	2.350	0.000		0.39
50	1.662	0.277	0.000		1.614	0.343	0.000		1.635	0.539	0.000		2.564	0.717	0.000		0.796	2.517	0.000		0.796	3.076	0.000		1.194	4.982	0.000		4.629	17.758	0.000		0.000	0.000	0.000		1.583	8.525	0.000		0.414	0.345	0.000		1.194	5.169	0.000		1.194	2.603	0.000		0.42
60	1.738	0.289	0.000		1.688	0.358	0.000		1.711	0.561	0.000		2.683	0.748	0.000		0.833	2.626	0.000		0.833	3.224	0.000		1.249	5.264	0.000		4.843	18.763	0.000		0.000	0.000	0.000		1.656	9.007	0.000		0.433	0.365	0.000		1.249	5.462	0.000		1.249	2.750	0.000		0.44
120	1.742	0.303	0.000		1.692	0.372	0.000		1.715	0.593	0.000		2.688	0.781	0.000		0.834	2.751	0.000		0.834	3.328	0.000		1.252	5.282	0.000		4.854	18.828	0.000		0.000	0.000	0.000		1.660	9.038	0.000		0.434	0.366	0.000		1.252	5.481	0.000		1.252	2.759	0.000		0.46
180	1.701	0.302	0.000		1.651	0.371	0.000		1.674	0.592	0.000		2.624	0.779	0.000		0.815	2.743	0.000		0.815	3.316	0.000		1.222	5.263	0.000		4.738	18.758	0.000		0.000	0.000	0.000		1.620	9.005	0.000		0.423	0.364	0.000		1.222	5.461	0.000		1.222	2.749	0.000		0.46
240	1.645	0.300	0.000		1.598	0.369	0.000		1.619	0.587	0.000		2.539	0.774	0.000		0.788	2.724	0.000		0.788	3.295	0.000		1.182	5.233	0.000		4.584	18.653	0.000		0.000	0.000	0.000		1.568	8.954	0.000		0.410	0.362	0.000		1.182	5.430	0.000		1.182	2.734	0.000		0.45
300	1.577	0.297	0.000		1.531	0.365	0.000		1.552	0.581	0.000		2.433	0.766	0.000		0.755	2.696	0.000		0.755	3.264	0.000		1.133	5.193	0.000		4.393	18.511	0.000		0.000	0.000	0.000		1.502	8.886	0.000		0.393	0.360	0.000		1.133	5.388	0.000		1.133	2.713	0.000		0.45
360	1.495	0.292	0.000		1.452	0.360	0.000		1.471	0.572	0.000		2.307	0.755	0.000		0.716	2.658	0.000		0.716	3.223	0.000		1.074	5.143	0.000		4.165	18.332	0.000		0.000	0.000	0.000		1.424	8.800	0.000		0.372	0.356	0.000		1.074	5.336	0.000		1.074	2.687	0.000		0.44
420	1.399	0.287	0.000		0.289	1.359	0.354	0.000	0.357	1.377	0.561	0.000	0.560	2.159	0.742	0.000	0.734	0.670	2.610	0.000	2.417	0.670	3.172	0.000	2.549	1.005	5.083	0.000	1.624	3.898	18.117	0.000	6.537	0.000	0.000	0.000	0.000	0.000	1.333	8.697	0.000	0.59											
480	1.290	0.281	0.000		0.282	1.253	0.347	0.000	0.349	1.270	0.548	0.000	0.547	1.991	0.726	0.000	0.718	0.618	2.553	0.000	2.364	0.618	3.112	0.000	2.500	0.927	5.012	0.000	1.600	3.595	17.865	0.000	6.444	0.000	0.000	0.000	0.000	0.000	1.229	8.576	0.000	0.57											
540	1.168	0.273	0.000		0.275	1.134	0.339	0.000	0.340	1.149	0.533	0.000	0.531	1.802	0.708	0.000	0.699	0.559	2.486	0.000	2.302	0.559	3.041	0.000	2.443	0.839	4.931	0.000	1.574	3.254	17.576	0.000	6.337	0.000	0.000	0.000	0.000	0.000	1.113	8.437	0.000	0.54											
600	1.032	0.265	0.000		0.266	1.002	0.329	0.000	0.330	1.016	0.515	0.000	0.513	1.592	0.687	0.000	0.678	0.494	2.409	0.000	2.230	0.494	2.960	0.000	2.378	0.741	4.840	0.000	1.544	2.875	17.251	0.000	6.216	0.000	0.000	0.000	0.000	0.000	0.983	8.281	0.000	0.52											
660	0.883	0.255	0.000		0.256	0.857	0.318	0.000	0.319	0.868	0.495	0.000	0.493	1.362	0.663	0.000	0.653	0.423	2.323	0.000	2.150	0.423	2.870	0.000	2.305	0.634	4.739	0.000	1.510	2.459	16.890	0.000	6.083	0.000	0.000	0.000	0.000	0.000	0.841	8.108	0.000	0.49											
720	0.720	0.244	0.000		0.245	0.699	0.306	0.000	0.306	0.708	0.472	0.000	0.470	1.110	0.636	0.000	0.627	0.345	2.227	0.000	2.061	0.345	2.769	0.000	2.225	0.517	4.627	0.000	1.473	2.005	16.492	0.000	5.935	0.000	0.000	0.000	0.000	0.000	0.686	7.917	0.000	0.45											

Pollutant Name: Carbon Dioxide Temperature: 75F Relative Humidity: ALL

min	Light Duty Autos			Light Duty Truck 1			Light Duty Truck 2			Medium Duty Truck			Light-Heavy Duty Truck 1			Light-Heavy Duty Truck 2			Medium-Heavy Duty Truck			Heavy-Heavy Duty Truck			Line-Haul Vehicles			Urban Buses			Motorcycles			School Buses			Motor Homes			Total All
	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL				
5	111.902	11.135	0.000	112.512	13.349	0.000	112.561	13.907	0.000	134.553	17.793	0.000	170.667	19.914	0.000	170.667	18.376	0.000	170.667	9.546	0.000	170.667	9.546	0.000	0.000	0.000	0.000	170.667	9.546	0.000	35.254	1.777	0.000	170.667	9.546	0.000	170.667	9.546	0.000	11.93
10	121.432	13.119	0.000	122.094	16.014	0.000	122.146	16.357	0.000	146.011	21.647	0.000	185.200	25.466	0.000	185.200	24.513	0.000	185.200	19.039	0.000	185.200	19.039	0.000	0.000	0.000	0.000	185.200	19.039	0.000	38.256	3.543	0.000	185.200	19.039	0.000	185.200	19.039	0.000	14.19
20	139.927	17.503	0.000	140.690	21.822	0.000	140.751	21.778	0.000	168.250	29.974	0.000	213.408	37.182	0.000	213.408	37.283	0.000	213.408	37.866	0.000	213.408	37.866	0.000	0.000	0.000	0.000	213.408	37.866	0.000	44.082	7.048	0.000	213.408	37.866	0.000	213.408	37.866	0.000	19.14
30	157.671	22.440	0.000	158.531	28.269	0.000	158.599	27.893	0.000	189.586	39.125	0.000	240.470	49.711	0.000	240.470	50.715	0.000	240.470	56.482	0.000	240.470	56.482	0.000	0.000	0.000	0.000	240.470	56.482	0.000	49.672	10.512	0.000	240.470	56.482	0.000	240.470	56.482	0.000	24.65
40	174.663	27.932	0.000	175.615	35.354	0.000	175.691	34.702	0.000	210.017	49.102	0.000	266.386	63.054	0.000	266.386	64.809	0.000	266.386	74.887	0.000	266.386	74.887	0.000	0.000	0.000	0.000	266.386	74.887	0.000	55.026	13.938	0.000	266.386	74.887	0.000	266.386	74.887	0.000	30.72
50	190.904	33.976	0.000	191.945	43.079	0.000	192.027	42.205	0.000	229.545	59.902	0.000	291.155	77.211	0.000	291.155	79.565	0.000	291.155	93.081	0.000	291.155	93.081	0.000	0.000	0.000	0.000	291.155	93.081	0.000	60.142	17.324	0.000	291.155	93.081	0.000	291.155	93.081	0.000	37.36
60	206.393	40.575	0.000	207.518	51.441	0.000	207.607	50.402	0.000	248.170	71.527	0.000	314.778	92.182	0.000	314.778	94.982	0.000	314.778	111.063	0.000	314.778	111.063	0.000	0.000	0.000	0.000	314.778	111.063	0.000	65.022	20.671	0.000	314.778	111.063	0.000	314.778	111.063	0.000	44.56
120	279.289	89.352	0.000	280.812	111.239	0.000	280.933	111.192	0.000	335.822	152.629	0.000	425.955	188.679	0.000	425.955	188.899	0.000	425.955	223.170	0.000	425.955	223.170	0.000	0.000	0.000	0.000	425.955	223.170	0.000	425.955	223.170	0.000	425.955	223.170	0.000	425.955	223.170	0.000	188.899
180	279.509	102.074	0.000	280.812	123.343	0.000	281.154	123.343	0.000	336.086	162.907	0.000	425.955	219.289	0.000	425.955	223.170	0.000	425.955	223.170	0.000	425.955	223.170	0.000	0.000	0.000	0.000	425.955	223.170	0.000	425.955	223.170	0.000	425.955	223.170	0.000	425.955	223.170	0.000	110.40
240	279.728	114.628	0.000	281.254	143.186	0.000	281.375	142.599	0.000	336.350	196.953	0.000	426.625	245.418	0.000	426.625	246.901	0.000	426.625	255.419	0.000	426.625	255.419	0.000	0.000	0.000	0.000	426.625	255.419	0.000	426.625	255.419	0.000	426.625	255.419	0.000	426.625	255.419	0.000	124.00
300	279.948	127.017	0.000	281.474	158.757	0.000	281.595	158.001	0.000	336.613	218.468	0.000	426.960	274.547	0.000	426.960	285.644	0.000	426.960	285.644	0.000	426.960	285.644	0.000	0.000	0.000	0.000	426.960	285.644	0.000	426.960	285.644	0.000	426.960	285.644	0.000	426.960	285.644	0.000	137.38
360	280.167	139.238	0.000	281.695	174.059	0.000	281.816	173.201	0.000	336.877	239.552	0.000	427.294	301.228	0.000	427.294	313.847	0.000	427.294	313.847	0.000	427.294	313.847	0.000	0.000	0.000	0.000	427.294	313.847	0.000	427.294	313.847	0.000	427.294	313.847	0.000	427.294	313.847	0.000	150.56
420	280.387	151.293	0.000	151.390	281.916	189.092	0.000	188.576	282.037	188.200	0.000	187.321	337.141	260.205	0.000	255.840	427.629	324.665	0.000	320.495	427.629	326.943	0.000	262.670	427.629	340.027	0.000	113.059	427.629	340.027	0.000	126.286	0.000	0.000	0.000	0.000	427.629	340.027	0.000	171.66
480	280.606	163.181	0.000	163.244	282.136	203.856	0.000	203.199	282.258	202.998	0.000	201.996	337.405	280.427	0.000	275.634	427.964	349.518	0.000	325.474	427.964	351.693	0.000	282.553	427.964	364.184	0.000	121.019	427.964	364.184	0.000	134.953	0.000	0.000	0.000	0.000	427.964	364.184	0.000	182.22
540	280.826	174.903	0.000	174.933	282.357	218.352	0.000	217.557	282.479	217.594	0.000	216.472	337.669	300.218	0.000	295.006	428.299	373.589	0.000	347.731	428.299	375.477	0.000	301.660	428.299	386.319	0.000	128.037	428.299	386.319	0.000	142.895	0.000	0.000	0.000	0.000	428.299	386.319	0.000	192.60
600	281.045	186.458	0.000	186.455	282.578	232.580	0.000	231.648	282.699	231.989	0.000	230.749	337.933	319.577	0.000	313.956	428.633	396.879	0.000	369.265	428.633	398.296	0.000	319.992	428.633	406.430	0.000	134.415	428.633	406.430	0.000	150.112	0.000	0.000	0.000	0.000	428.633	406.430	0.000	192.60
660	281.265	197.847	0.000	197.811	282.798	246.538	0.000	245.474	282.920	246.182	0.000	244.826	338.197	338.506	0.000	332.484	428.968	419.388	0.000	390.076	428.968	420.149	0.000	337.548	428.968	424.519	0.000	140.152	428.968	424.519	0.000	156.603	0.000	0.000	0.000	0.000	428.968	424.519	0.000	212.78
720	281.484	209.069	0.000	209.001	283.019	260.228	0.000	259.033	283.141	260.175	0.000	258.703	338.461	357.003	0.000	350.591	429.303	441.115	0.000	410.165	429.303	441.036	0.000	354.328	429.303	440.586	0.000	145.247	429.303	440.586	0.000	162.368	0.000	0.000	0.000	0.000	429.303	440.586	0.000	222.59

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Title   : Los Angeles County Avg 2015 Summer 75°F
Version : Emfac2002 V2.2 Sept 23 2002
Run Date : 03/10/03 14:32:08
Scn Year: 2015 -- Model Years: 1970 to 2015
Season   : Summer
Area     : Los Angeles County
*****
Year:      2015      -- Model Years      1970 to      2015 Inclusive --      Summer
Emfac2002 Emission Factors: V2.2 Sept 23 2002

County Average                                Los Angeles Count                                County

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Hot soak results are scaled to reflect zero emissions for trip lengths of less than 5 minutes (about 25% of in-use trips).

Table 5a: Partial Day Diurnal Loss Emissions (grams / hour)

Pollutant Name: Reactive Org Gases				Temperature: ALL									Relative Humidity: ALL																										
Temp degF	Light Duty Autos			Light Duty Truck 1			Light Duty Truck 2			Medium Duty Truck			Light-Heavy Duty Truck 1			Light-Heavy Duty Truck 2			Medium-Heavy Duty Truck			Heavy-Heavy Duty Truck			Line-Haul Vehicles			Urban Buses			Motorcycles			School Buses			Motor Homes		
	NCAI	CAT	DSL	NCAI	CAT	DSL	NCAI	CAT	DSL	NCAI	CAT	DSL	NCAI	CAT	DSL	NCAI	CAT	DSL	NCAI	CAT	DSL	NCAI	CAT	DSL	NCAI	CAT	DSL	NCAI	CAT	DSL	NCAI	CAT	DSL	NCAI	CAT	DSL			
75	1.047	0.108	0.000	1.018	0.155	0.000	1.039	0.115	0.000	0.547	0.149	0.000	0.054	0.004	0.000	0.056	0.006	0.000	0.053	0.009	0.000	0.045	0.011	0.000	0.000	0.000	0.000	0.043	0.008	0.000	0.047	0.476	0.000	0.054	0.014	0.000	0.056	0.012	0.000

Title : Los Angeles County Avg 2015 Summer 75°F
Version : Emfac2002 V2.2 Sept 23 2002
Run Date : 03/10/03 14:32:08
Scen Year: 2015 -- Model Years: 1970 to 2015
Season : Summer
Area : Los Angeles County

Year: 2015 -- Model Years 1970 to 2015 Inclusive -- Summer
Emfac2002 Emission Factors: V2.2 Sept 23 2002

County Average Los Angeles Count County Average

Table 5b: Multi-Day Diurnal Loss Emissions (grams / hour)

Pollutant Name: Reactive Org Gases Temperature: ALL Relative Humidity: ALL

Temp degF	Light Duty Autos			Light Duty Truck 1			Light Duty Truck 2			Medium Duty Truck			Light-Heavy Duty Truck 1			Light-Heavy Duty Truck 2			Medium-Heavy Duty Truck			Heavy-Heavy Duty Truck			Line-Haul Vehicles			Urban Buses			Motorcycles			School Buses			Motor Homes		
	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL
75	0.063	0.009	0.000	0.061	0.013	0.000	0.062	0.009	0.000	0.033	0.012	0.000	0.002	0.000	0.000	0.002	0.000	0.000	0.002	0.000	0.000	0.002	0.001	0.000	0.000	0.000	0.000	0.010	0.002	0.000	0.003	0.045	0.000	0.002	0.001	0.000	0.002	0.001	0.000

Title : Los Angeles County Avg 2015 Summer 75°F
Version : Emfac2002 V2.2 Sept 23 2002
Run Date : 03/10/03 14:32:08
Scen Year: 2015 -- Model Years: 1970 to 2015
Season : Summer
Area : Los Angeles County

Year: 2015 -- Model Years 1970 to 2015 Inclusive -- Summer
Emfac2002 Emission Factors: V2.2 Sept 23 2002

County Average Los Angeles Count County Average

Table 6a: Partial Day Resting Loss Emissions (grams / hour)

Pollutant Name: Reactive Org Gases Temperature: ALL Relative Humidity: ALL

Temp degF	Light Duty Autos			Light Duty Truck 1			Light Duty Truck 2			Medium Duty Truck			Light-Heavy Duty Truck 1			Light-Heavy Duty Truck 2			Medium-Heavy Duty Truck			Heavy-Heavy Duty Truck			Line-Haul Vehicles			Urban Buses			Motorcycles			School Buses			Motor Homes		
	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL
75	0.519	0.047	0.000	0.522	0.067	0.000	0.538	0.055	0.000	0.279	0.068	0.000	0.030	0.003	0.000	0.032	0.003	0.000	0.029	0.004	0.000	0.025	0.006	0.000	0.000	0.000	0.000	0.022	0.004	0.000	0.019	0.148	0.000	0.030	0.007	0.000	0.031	0.006	0.000

Title : Los Angeles County Avg 2015 Summer 75°F
Version : Emfac2002 V2.2 Sept 23 2002
Run Date : 03/10/03 14:32:08
Scen Year: 2015 -- Model Years: 1970 to 2015
Season : Summer
Area : Los Angeles County

Year: 2015 -- Model Years 1970 to 2015 Inclusive -- Summer
Emfac2002 Emission Factors: V2.2 Sept 23 2002

County Average Los Angeles Count County Average

Table 6b: Multi-Day Resting Loss Emissions (grams / hour)

Pollutant Name: Reactive Org Gases Temperature: ALL Relative Humidity: ALL

Temp degF	Light Duty Autos			Light Duty Truck 1			Light Duty Truck 2			Medium Duty Truck			Light-Heavy Duty Truck 1			Light-Heavy Duty Truck 2			Medium-Heavy Duty Truck			Heavy-Heavy Duty Truck			Line-Haul Vehicles			Urban Buses			Motorcycles			School Buses			Motor Homes		
	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL
75	0.033	0.004	0.000	0.033	0.006	0.000	0.034	0.004	0.000	0.018	0.005	0.000	0.001	0.000	0.000	0.001	0.000	0.000	0.001	0.000	0.000	0.001	0.000	0.000	0.000	0.000	0.000	0.005	0.001	0.000	0.001	0.015	0.000	0.001	0.000	0.000	0.001	0.000	0.000

Title : Los Angeles County Avg 2015 Winter 60°F
Version : Emfac2002 V2.2 Sept 23 2002
Run Date : 03/17/03 16:01:45
Scen Year: 2015 -- Model Years: 1970 to 2015
Season : Winter
Area : Los Angeles County
Year: 2015 -- Model Years 1970 to 2015 Inclusive -- Winter
Emfac2002 Emission Factors: V2.2 Sept 23 2002

County Average Los Angeles Count County Average

Table 1: Running Exhaust Emissions (grams / mile)

Pollutant Name: Reactive Org Gases Temperature: 60F Relative Humidity: 70%

Speed MPH	Light Duty Autos				Light Duty Truck 1				Light Duty Truck 2				Medium Duty Truck				Light-Heavy Duty Truck 1				Light-Heavy Duty Truck 2				Medium-Heavy Duty Truck				Heavy-Heavy Duty Truck				Line-Haul Vehicles				Urban Buses				Motorcycles				School Buses				Motor Homes				Total All
	NCAT	CAT	DSL		NCAT	CAT	DSL		NCAT	CAT	DSL		NCAT	CAT	DSL		NCAT	CAT	DSL		NCAT	CAT	DSL		NCAT	CAT	DSL		NCAT	CAT	DSL		NCAT	CAT	DSL		NCAT	CAT	DSL														
5	20.199	0.222	0.667		20.844	0.394	0.396		20.988	0.347	0.252		25.787	0.566	0.243		19.728	0.227	0.587		19.728	0.343	0.622		29.642	1.408	0.591		79.074	12.564	0.806		0.000	0.000	0.000		37.737	8.429	2.457		6.119	4.064	0.000		29.642	4.803	1.073		29.642	1.252	0.281		0.41
10	14.355	0.144	0.523		14.815	0.263	0.311		14.918	0.226	0.197		18.335	0.373	0.191		12.893	0.146	0.461		12.893	0.221	0.488		19.388	0.913	0.464		51.778	8.201	0.633		0.000	0.000	0.000		24.692	5.513	1.783		4.812	2.966	0.000		19.388	3.128	0.842		19.388	0.813	0.221		0.27
15	10.673	0.098	0.420		11.015	0.184	0.250		11.092	0.155	0.158		13.638	0.257	0.153		8.775	0.099	0.370		8.775	0.149	0.392		13.211	0.615	0.373		35.333	5.573	0.508		0.000	0.000	0.000		16.833	3.757	1.339		3.961	2.281	0.000		13.211	2.120	0.676		13.211	0.550	0.177		0.19
20	8.301	0.070	0.345		8.569	0.135	0.205		8.628	0.112	0.130		10.614	0.187	0.126		6.219	0.070	0.303		6.219	0.105	0.321		9.377	0.431	0.306		25.127	3.943	0.417		0.000	0.000	0.000		11.956	2.668	1.042		3.413	1.850	0.000		9.377	1.495	0.554		9.377	0.386	0.145		0.14
25	6.756	0.053	0.289		6.974	0.104	0.172		7.023	0.085	0.109		8.643	0.142	0.105		4.590	0.052	0.254		4.590	0.077	0.269		6.934	0.313	0.256		18.621	2.906	0.349		0.000	0.000	0.000		8.847	1.975	0.839		3.080	1.584	0.000		6.934	1.097	0.465		6.934	0.282	0.122		0.11
30	5.755	0.043	0.248		5.942	0.084	0.147		5.983	0.068	0.093		7.367	0.114	0.090		3.529	0.040	0.218		3.529	0.058	0.231		5.342	0.237	0.220		14.382	2.231	0.300		0.000	0.000	0.000		6.822	1.523	0.701		2.912	1.433	0.000		5.342	0.838	0.399		5.342	0.215	0.105		0.09
35	5.133	0.036	0.217		5.299	0.072	0.129		5.336	0.058	0.082		6.573	0.096	0.079		2.828	0.032	0.191		2.828	0.046	0.202		4.289	0.187	0.193		11.578	1.785	0.263		0.000	0.000	0.000		5.482	1.224	0.605		2.885	1.370	0.000		4.289	0.668	0.349		4.289	0.171	0.092		0.08
40	4.793	0.032	0.194		4.949	0.064	0.116		4.984	0.051	0.073		6.140	0.085	0.071		2.362	0.026	0.171		2.362	0.038	0.181		3.590	0.155	0.172		9.716	1.490	0.235		0.000	0.000	0.000		4.592	1.026	0.542		2.995	1.385	0.000		3.590	0.555	0.313		3.590	0.142	0.082		0.07
45	4.688	0.030	0.178		4.841	0.060	0.106		4.875	0.048	0.067		6.006	0.079	0.065		2.058	0.023	0.157		2.058	0.033	0.166		3.133	0.133	0.158		8.500	1.297	0.215		0.000	0.000	0.000		4.012	0.896	0.502		3.258	1.481	0.000		3.133	0.482	0.287		3.133	0.123	0.075		0.07
50	4.803	0.029	0.167		4.959	0.059	0.099		4.994	0.047	0.063		6.152	0.078	0.061		1.872	0.021	0.147		1.872	0.030	0.155		2.853	0.120	0.148		7.754	1.180	0.202		0.000	0.000	0.000		3.655	0.817	0.482		3.713	1.672	0.000		2.853	0.437	0.268		2.853	0.111	0.070		0.07
55	5.153	0.030	0.160		5.321	0.061	0.095		5.358	0.049	0.060		6.599	0.081	0.058		1.778	0.028	0.149		1.778	0.028	0.149		2.712	0.114	0.141		7.377	1.120	0.193		0.000	0.000	0.000		3.475	0.776	0.479		4.431	1.994	0.000		2.712	0.414	0.257		2.712	0.105	0.067		0.07
60	5.790	0.033	0.156		5.978	0.067	0.093		6.020	0.053	0.059		7.411	0.088	0.057		1.763	0.020	0.137		1.763	0.028	0.146		2.690	0.113	0.138		7.319	1.111	0.189		0.000	0.000	0.000		3.448	0.770	0.493		5.533	2.507	0.000		2.690	0.411	0.251		2.690	0.104	0.066		0.08
65	6.811	0.038	0.156		7.031	0.076	0.093		7.080	0.061	0.059		8.713	0.102	0.057		1.827	0.020	0.137		1.827	0.029	0.146		2.786	0.117	0.138		7.574	1.151	0.189		0.000	0.000	0.000		3.569	0.797	0.526		3.322	0.000	0.000		2.786	0.426	0.251		2.786	0.108	0.066		0.09

Pollutant Name: Carbon Monoxide Temperature: 60F Relative Humidity: 70%

Speed MPH	Light Duty Autos			Light Duty Truck 1			Light Duty Truck 2			Medium Duty Truck			Light-Heavy Duty Truck 1			Light-Heavy Duty Truck 2			Medium-Heavy Duty Truck			Heavy-Heavy Duty Truck			Line-Haul Vehicles			Urban Buses			Motorcycles			School Buses			Motor Homes			Total All
	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL				
5	164.122	3.138	2.970	170.484	6.510	2.545	170.233	5.120	2.048	287.894	6.612	2.025	364.855	2.590	3.156	364.855	4.301	3.135	547.283	18.002	5.736	2003.875	150.761	5.052	0.000	0.000	0.000	642.915	46.115	14.771	45.527	13.977	0.000	547.283	52.103	9.707	547.283	24.449	2.831	4.90
10	119.623	2.760	2.048	124.260	5.486	1.755	124.077	4.438	1.412	209.836	5.640	1.396	242.742	1.723	2.176	242.742	2.862	2.162	364.113	11.977	3.955	1333.201	100.303	3.483	0.000	0.000	0.000	427.739	30.681	9.297	37.339	12.469	0.000	364.113	34.665	6.694	364.113	16.266	1.952	4.06
15	91.820	2.458	1.478	95.379	4.734	1.266	95.239	3.912	1.019	161.066	4.916	1.007	170.630	1.211	1.570	170.630	2.012	1.560	255.946	8.419	2.854	937.145	70.506	2.514	0.000	0.000	0.000	300.670	21.566	6.213	32.249	11.304	0.000	255.946	24.367	4.830	255.946	11.434	1.409	3.47
20	74.222	2.213	1.116	77.100	4.166	0.956	76.986	3.496	0.770	130.197	4.360	0.761	126.723	0.899	1.186	126.723	1.494	1.178	190.084	6.253	2.155	695.992	52.363	1.898	0.000	0.000	0.000	223.299	16.017	4.409	29.333	10.395	0.000	190.084	18.097	3.648	190.084	8.492	1.064	3.04
25	63.184	2.011	0.882	65.633	3.731	0.756	65.536	3.162	0.608	110.834	3.926	0.601	99.435	0.706	0.937	99.435	1.172	0.931	149.152	4.906	1.704	546.120	41.087	1.500	0.000	0.000	0.000	175.215	12.568	3.322	28.098	9.693	0.000	149.152	14.200	2.883	149.152	6.663	0.841	2.72
30	56.644	1.842	0.730	58.840	3.394	0.625	58.753	2.891	0.503	99.362	3.583	0.497	82.434	0.585	0.775	82.434	0.972	0.770	123.651	4.067	1.409	452.749	34.062	1.241	0.000	0.000	0.000	145.258	10.419	2.658	28.344	9.173	0.000	123.651	11.772	2.385	123.651	5.524	0.696	2.47
35	53.478	1.701	0.632	55.551	3.136	0.541	55.469	2.672	0.436	93.808	3.313	0.431	72.204	0.513	0.671	72.204	0.851	0.667	108.307	3.563	1.220	396.564	29.835	1.074	0.000	0.000	0.000	127.232	9.126	2.258	30.111	8.832	0.000	108.307	10.311	2.065	108.307	4.838	0.602	2.28
40	53.170	1.584	0.572	55.232	2.944	0.490	55.150	2.495	0.395	93.269	3.105	0.390	66.820	0.474	0.608	66.820	0.788	0.604	100.230	3.297	1.105	366.991	27.611	0.973	0.000	0.000	0.000	117.744	8.446	2.037	33.687	8.686	0.000	100.230	9.542	1.870	100.230	4.478	0.546	2.14
45	55.673	1.488	0.543	57.831	2.812	0.465	57.746	2.357	0.374	97.658	2.953	0.370	65.333	0.464	0.577	65.333	0.770	0.573	98.000	3.224	1.048	358.826	26.996	0.923	0.000	0.000	0.000	115.124	8.258	1.952	39.690	8.779	0.000	98.000	9.330	1.773	98.000	4.378	0.517	2.04
50	61.388	1.412	0.538	63.768	2.739	0.461	63.674	2.256	0.371	107.685	2.858	0.367	67.491	0.479	0.592	67.491	0.796	0.598	101.237	3.330	1.040	370.680	27.888	0.916	0.000	0.000	0.000	118.927	8.530	1.985	49.246	9.197	0.000	101.237	9.638	1.760	101.237	4.523	0.513	1.99
55	71.287	1.356	0.559	74.050	2.731	0.479	73.941	2.196	0.386	125.047	2.824	0.381	73.663	0.523	0.594	73.663	0.868	0.568	110.494	3.635	1.080	404.575	30.438	0.951	0.000	0.000	0.000	129.802	9.310	2.144	64.348	10.094	0.000	110.494	10.519	1.827	110.494	4.936	0.533	1.99
60	87.177	1.323	0.608	90.557	2.805	0.521	90.423	2.182	0.477	152.922	2.866	0.474	84.945	0.603	0.646	84.945	1.001	0.641	127.417	4.191	1.174	466.538	35.100	1.034	0.000	0.000	0.000	149.682	10.786	2.459	88.546	11.752	0.000	127.417	12.131	1.986	127.417	5.692	0.579	2.06
65	112.272	1.317	0.691	116.625	2.901	0.592	116.453	2.230	0.479	196.239	3.016	0.474	103.493	0.735	0.734	103.493	1.220	0.729	156.239	5.106	1.335	568.407	42.764	1.176	0.000	0.000	0.000	182.365	13.081	2.994	128.316	14.687	0.000	155.239	14.779	2.259	155.239	6.395	0.659	2.22

Pollutant Name: Sulfur Dioxide				Temperature: 60F			Relative Humidity: 70%																																	
Speed MPH	Light Duty Autos			Light Duty Truck 1			Light Duty Truck 2			Medium Duty Truck			Light-Heavy Duty Truck 1			Light-Heavy Duty Truck 2			Medium-Heavy Duty Truck			Heavy-Heavy Duty Truck			Line-Haul Vehicles			Urban Buses			Motorcycles			School Buses			Motor Homes			Total All
	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL				
5	0.016	0.009	0.003	0.017	0.012	0.003	0.017	0.012	0.003	0.021	0.016	0.003	0.031	0.024	0.005	0.031	0.024	0.005	0.034	0.024	0.014	0.059	0.027	0.021	0.000	0.000	0.000	0.036	0.025	0.025	0.003	0.003	0.000	0.034	0.025	0.014	0.034	0.025	0.014	0.01
10	0.012	0.007	0.003	0.012	0.009	0.003	0.012	0.009	0.003	0.016	0.012	0.003	0.020	0.016	0.005	0.020	0.016	0.005	0.023	0.016	0.014	0.039	0.018	0.021	0.000	0.000	0.000	0.024	0.017	0.025	0.003	0.003	0.000	0.023	0.017	0.014	0.023	0.016	0.014	0.01
15	0.010	0.005	0.003	0.010	0.007	0.003	0.010	0.007	0.003	0.012	0.009	0.003	0.014	0.011	0.005	0.014	0.011	0.005	0.016	0.011	0.014	0.028	0.013	0.021	0.000	0.000	0.000	0.017	0.012	0.025	0.002	0.002	0.000	0.016	0.012	0.014	0.016	0.011	0.014	0.01
20	0.008	0.004	0.003	0.008	0.006	0.003	0.008	0.006	0.003	0.010	0.008	0.003	0.011	0.008	0.005	0.011	0.008	0.005	0.012	0.009	0.014	0.020	0.009	0.021	0.000	0.000	0.000	0.012	0.009	0.025	0.002	0.002	0.000	0.012	0.009	0.014	0.012	0.009	0.014	0.01
25	0.007	0.004	0.003	0.007	0.005	0.003	0.007	0.005	0.003	0.008	0.006	0.003	0.008	0.007	0.005	0.008	0.007	0.005	0.009	0.007	0.014	0.016	0.007	0.021	0.000	0.000	0.000	0.010	0.007	0.025	0.002	0.002	0.000	0.009	0.007	0.014	0.009	0.007	0.014	0.01
30	0.006	0.003	0.003	0.006	0.004	0.003	0.006	0.004	0.003	0.007	0.006	0.003	0.007	0.005	0.005	0.007	0.005	0.005	0.008	0.006	0.014	0.013	0.006	0.021	0.000	0.000	0.000	0.008	0.006	0.025	0.002	0.002	0.000	0.008	0.006	0.014	0.008	0.006	0.014	0.00
35	0.005	0.003	0.003	0.005	0.004	0.003	0.005	0.004	0.003	0.007	0.005	0.003	0.006	0.005	0.005	0.006	0.005	0.005	0.007	0.005	0.014	0.011	0.005	0.021	0.000	0.000	0.000	0.007	0.005	0.025	0.002	0.002	0.000	0.007	0.005	0.014	0.007	0.005	0.014	0.00
40	0.005	0.003	0.003	0.005	0.004	0.003	0.005	0.004	0.003	0.006	0.005	0.003	0.006	0.004	0.005	0.006	0.004	0.005	0.006	0.004	0.014	0.011	0.005	0.021	0.000	0.000	0.000	0.006	0.005	0.025	0.002	0.002	0.000	0.006	0.005	0.014	0.006	0.004	0.014	0.00
45	0.005	0.003	0.003	0.005	0.003	0.003	0.005	0.003	0.003	0.006	0.005	0.003	0.005	0.004	0.005	0.005	0.004	0.005	0.006	0.004	0.014	0.010	0.005	0.021	0.000	0.000	0.000	0.006	0.005	0.025	0.002	0.002	0.000	0.006	0.004	0.014	0.006	0.004	0.014	0.00
50	0.005	0.003	0.003	0.005	0.004	0.003	0.005	0.004	0.003	0.007	0.005	0.003	0.006	0.004	0.005	0.006	0.004	0.005	0.006	0.005	0.014	0.011	0.005	0.021	0.000	0.000	0.000	0.006	0.005	0.025	0.002	0.002	0.000	0.006	0.005	0.014	0.006	0.005	0.014	0.00
55	0.005	0.003	0.003	0.006	0.004	0.003	0.006	0.004	0.003	0.007	0.005	0.003	0.006	0.005	0.005	0.006	0.005	0.005	0.007	0.005	0.014	0.011	0.005	0.021	0.000	0.000	0.000	0.007	0.005	0.025	0.002	0.002	0.000	0.007	0.005	0.014	0.007	0.005	0.014	0.00
60	0.006	0.003	0.003	0.006	0.004	0.003	0.006	0.004	0.003	0.008	0.006	0.003	0.007	0.006	0.005	0.007	0.006	0.005	0.008	0.006	0.014	0.013	0.006	0.021	0.000	0.000	0.000	0.008	0.006	0.025	0.003	0.003	0.000	0.008	0.006	0.014	0.008	0.006	0.014	0.00
65	0.007	0.004	0.003	0.007	0.005	0.003	0.007	0.005	0.003	0.010	0.006	0.003	0.009	0.007	0.005	0.009	0.007	0.005	0.009	0.007	0.014	0.016	0.008	0.021	0.000	0.000	0.000	0.010	0.007	0.025	0.003	0.003	0.000	0.009	0.007	0.014	0.009	0.007	0.014	0.01

Pollutant Name: PM10				Temperature: 60F				Relative Humidity: 70%																																
Speed MPH	Light Duty Autos			Light Duty Truck 1			Light Duty Truck 2			Medium Duty Truck			Light-Heavy Duty Truck 1			Light-Heavy Duty Truck 2			Medium-Heavy Duty Truck			Heavy-Heavy Duty Truck			Line-Haul Vehicles			Urban Buses			Motorcycles			School Buses			Motor Homes			Total All
	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL				
5	0.104	0.057	0.375	0.099	0.065	0.198	0.107	0.136	0.133	0.107	0.138	0.127	0.101	0.048	0.094	0.101	0.049	0.114	0.101	0.048	0.513	0.101	0.093	0.338	0.000	0.000	0.000	0.101	0.089	0.882	0.080	0.006	0.000	0.101	0.060	0.930	0.101	0.017	0.386	0.09
10	0.074	0.037	0.294	0.070	0.043	0.155	0.076	0.089	0.104	0.076	0.091	0.100	0.066	0.032	0.074	0.066	0.032	0.090	0.066	0.031	0.403	0.066	0.061	0.265	0.000	0.000	0.000	0.066	0.058	0.640	0.063	0.004	0.000	0.066	0.039	0.730	0.066	0.011	0.303	0.06
15	0.055	0.026	0.236	0.052	0.030	0.125	0.057	0.061	0.084	0.057	0.063	0.080	0.045	0.022	0.059	0.045	0.022	0.072	0.045	0.021	0.324	0.045	0.042	0.213	0.000	0.000	0.000	0.045	0.040	0.481	0.052	0.003	0.000	0.045	0.027	0.586	0.045	0.007	0.243	0.05
20	0.043	0.019	0.194	0.041	0.022	0.102	0.044	0.045	0.069	0.044	0.046	0.066	0.032	0.015	0.049	0.032	0.015	0.059	0.032	0.015	0.265	0.032	0.030	0.175	0.000	0.000	0.000	0.032	0.028	0.374	0.045	0.003	0.000	0.032	0.019	0.481	0.032	0.005	0.199	0.04
25	0.035	0.014	0.162	0.033	0.017	0.086	0.036	0.034	0.057	0.036	0.035	0.055	0.024	0.011	0.041	0.024	0.012	0.050	0.024	0.011	0.223	0.024	0.022	0.146	0.000	0.000	0.000	0.024	0.021	0.301	0.041	0.002	0.000	0.024	0.014	0.403	0.024	0.004	0.167	0.03
30	0.030	0.011	0.139	0.028	0.014	0.073	0.031	0.027	0.049	0.031	0.028	0.047	0.019	0.009	0.035	0.019	0.009	0.042	0.019	0.009	0.191	0.019	0.017	0.125	0.000	0.000	0.000	0.019	0.016	0.252	0.039	0.002	0.000	0.019	0.011	0.346	0.019	0.003	0.143	0.02
35	0.027	0.010	0.122	0.025	0.012	0.064	0.027	0.023	0.043	0.028	0.024	0.042	0.015	0.007	0.031	0.015	0.007	0.037	0.015	0.007	0.167	0.015	0.014	0.110	0.000	0.000	0.000	0.015	0.013	0.217	0.038	0.002	0.000	0.015	0.009	0.303	0.015	0.002	0.126	0.02
40	0.025	0.009	0.109	0.024	0.010	0.058	0.026	0.021	0.039	0.026	0.022	0.037	0.013	0.006	0.027	0.013	0.006	0.033	0.013	0.006	0.150	0.013	0.012	0.098	0.000	0.000	0.000	0.013	0.011	0.195	0.040	0.002	0.000	0.013	0.007	0.271	0.013	0.002	0.113	0.02
45	0.024	0.008	0.100	0.023	0.010	0.053	0.025	0.019	0.035	0.025	0.020	0.034	0.011	0.005	0.025	0.011	0.005	0.031	0.011	0.005	0.137	0.011	0.010	0.090	0.000	0.000	0.000	0.011	0.010	0.180	0.043	0.002	0.000	0.011	0.006	0.248	0.011	0.002	0.103	0.02
50	0.025	0.008	0.094	0.024	0.009	0.049	0.026	0.019	0.033	0.026	0.020	0.032	0.010	0.005	0.023	0.010	0.005	0.029	0.010	0.005	0.128	0.010	0.009	0.084	0.000	0.000	0.000	0.010	0.009	0.173	0.049	0.002	0.000	0.010	0.006	0.233	0.010	0.002	0.097	0.02
55	0.027	0.008	0.090	0.026	0.010	0.047	0.028	0.020	0.032	0.028	0.021	0.031	0.010	0.005	0.022	0.010	0.005	0.027	0.010	0.005	0.123	0.010	0.009	0.081	0.000	0.000	0.000	0.010	0.008	0.172	0.058	0.003	0.000	0.010	0.006	0.223	0.010	0.002	0.092	0.02
60	0.030	0.009	0.088	0.029	0.011	0.046	0.031	0.022	0.031	0.031	0.022	0.030	0.009	0.005	0.022	0.009	0.005	0.027	0.009	0.004	0.120	0.009	0.009	0.079	0.000	0.000	0.000	0.009	0.008	0.177	0.073	0.003	0.000	0.009	0.006	0.218	0.009	0.002	0.090	0.02
65	0.035	0.011	0.088	0.034	0.012	0.046	0.036	0.025	0.031	0.036	0.026	0.030	0.010	0.005	0.022	0.010	0.005	0.027	0.010	0.005	0.120	0.010	0.009	0.079	0.000	0.000	0.000	0.010	0.009	0.189	0.095	0.005	0.000	0.010	0.006	0.218	0.010	0.002	0.090	0.02

Pollutant Name: Gasoline - mi / gal Temperature: 60F Relative Humidity: 70%

Speed MPH	Light Duty Autos			Light Duty Truck 1			Light Duty Truck 2			Medium Duty Truck			Light-Heavy Duty Truck 1			Light-Heavy Duty Truck 2			Medium-Heavy Duty Truck			Heavy-Heavy Duty Truck			Line-Haul Vehicles			Urban Buses			Motorcycles			School Buses			Motor Homes			Total All
	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL				
5	5.213	9.241	0.000	5.149	7.380	0.000	5.146	7.391	0.000	4.046	5.389	0.000	2.759	3.517	0.000	2.759	3.513	0.000	2.488	3.474	0.000	1.438	3.131	0.000	0.000	0.000	0.000	2.355	3.357	0.000	26.007	27.044	0.000	2.488	3.374	0.000	2.488	3.461	0.000	7.92
10	6.966	12.221	0.000	6.883	9.759	0.000	6.879	9.774	0.000	5.417	7.128	0.000	4.149	5.287	0.000	4.149	5.280	0.000	3.743	5.221	0.000	2.164	4.708	0.000	0.000	0.000	0.000	3.543	5.048	0.000	30.941	32.847	0.000	3.743	5.073	0.000	3.743	5.203	0.000	10.47
15	8.942	15.572	0.000	8.837	12.434	0.000	8.831	12.452	0.000	6.961	9.083	0.000	5.909	7.522	0.000	5.909	7.511	0.000	5.333	7.429	0.000	3.086	6.703	0.000	0.000	0.000	0.000	5.050	7.185	0.000	35.844	38.486	0.000	5.333	7.219	0.000	5.333	7.402	0.000	13.35
20	11.028	19.118	0.000	10.899	15.264	0.000	10.893	15.287	0.000	8.581	11.152	0.000	7.969	10.128	0.000	7.969	10.114	0.000	7.196	10.004	0.000	4.169	9.036	0.000	0.000	0.000	0.000	6.817	9.682	0.000	40.449	43.542	0.000	7.196	9.725	0.000	7.196	9.968	0.000	16.40
25	13.068	22.618	0.000	12.915	18.056	0.000	12.908	18.084	0.000	10.173	13.194	0.000	10.176	12.908	0.000	10.176	12.891	0.000	9.195	12.752	0.000	5.334	11.531	0.000	0.000	0.000	0.000	8.715	12.352	0.000	44.448	47.590	0.000	9.195	12.401	0.000	9.195	12.706	0.000	19.40
30	14.879	25.786	0.000	14.704	20.584	0.000	14.696	20.615	0.000	11.568	15.042	0.000	12.302	15.570	0.000	12.302	15.550	0.000	11.125	15.385	0.000	6.465	13.932	0.000	0.000	0.000	0.000	10.552	14.917	0.000	47.505	50.253	0.000	11.125	14.968	0.000	11.125	15.329	0.000	22.13
35	16.276	28.331	0.000	16.082	22.614	0.000	16.074	22.649	0.000	12.629	16.526	0.000	14.081	17.777	0.000	14.081	17.754	0.000	12.745	17.569	0.000	7.420	15.935	0.000	0.000	0.000	0.000	12.097	17.052	0.000	49.279	51.252	0.000	12.745	17.102	0.000	12.745	17.504	0.000	24.31
40	17.102	29.997	0.000	16.895	23.943	0.000	16.886	23.981	0.000	13.231	17.498	0.000	15.256	19.210	0.000	15.256	19.186	0.000	13.823	18.989	0.000	8.064	17.253	0.000	0.000	0.000	0.000	13.129	18.452	0.000	49.460	50.451	0.000	13.823	18.495	0.000	13.823	18.919	0.000	25.74
45	17.256	30.608	0.000	17.043	24.431	0.000	17.034	24.471	0.000	13.299	17.853	0.000	15.647	19.649	0.000	15.647	19.624	0.000	14.191	19.426	0.000	8.296	17.681	0.000	0.000	0.000	0.000	13.490	18.899	0.000	47.830	47.889	0.000	14.191	18.931	0.000	14.191	19.354	0.000	26.25
50	16.714	30.096	0.000	16.501	24.022	0.000	16.493	24.064	0.000	12.818	17.554	0.000	15.189	19.021	0.000	15.189	18.998	0.000	13.789	18.810	0.000	8.078	17.150	0.000	0.000	0.000	0.000	13.118	18.321	0.000	44.327	43.783	0.000	13.789	18.341	0.000	13.789	18.739	0.000	25.80
55	15.531	28.516	0.000	15.326	22.760	0.000	15.319	22.802	0.000	11.838	16.631	0.000	13.954	17.428	0.000	13.954	17.407	0.000	12.681	17.238	0.000	7.444	15.744	0.000	0.000	0.000	0.000	12.073	16.810	0.000	39.122	38.508	0.000	12.681	16.818	0.000	12.681	17.173	0.000	24.42
60	13.836	26.034	0.000	13.645	20.778	0.000	13.640	20.819	0.000	10.468	15.181	0.000	12.132	15.114	0.000	12.132	15.096	0.000	11.035	14.952	0.000	6.491	13.679	0.000	0.000	0.000	0.000	10.515	14.597	0.000	32.657	32.541	0.000	11.035	14.595	0.000	11.035	14.895	0.000	22.27
65	11.806	22.900	0.000	11.635	18.275	0.000	11.631	18.314	0.000	8.854	13.351	0.000	9.982	12.406	0.000	9.982	12.391	0.000	9.088	12.275	0.000	5.356	11.247	0.000	0.000	0.000	0.000	8.665	11.996	0.000	25.618	26.389	0.000	9.088	11.988	0.000	9.088	12.228	0.000	19.57

Pollutant Name: Diesel - mi / gal Temperature: 60F Relative Humidity: 70%

Speed MPH	Light Duty Autos			Light Duty Truck 1			Light Duty Truck 2			Medium Duty Truck			Light-Heavy Duty Truck 1			Light-Heavy Duty Truck 2			Medium-Heavy Duty Truck			Heavy-Heavy Duty Truck			Line-Haul Vehicles			Urban Buses			Motorcycles			School Buses			Motor Homes			Total All
	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL				
5	0.000	0.000	27.901	0.000	0.000	28.925	0.000	0.000	29.080	0.000	0.000	29.104	0.000	0.000	19.392	0.000	0.000	19.267	0.000	0.000	6.698	0.000	0.000	4.632	0.000	0.000	0.000	0.000	0.000	3.776	0.000	0.000	0.000	0.000	6.698	0.000	0.000	6.698	0.41	
10	0.000	0.000	27.901	0.000	0.000	28.925	0.000	0.000	29.080	0.000	0.000	29.104	0.000	0.000	19.392	0.000	0.000	19.267	0.000	0.000	6.698	0.000	0.000	4.632	0.000	0.000	0.000	0.000	0.000	3.776	0.000	0.000	0.000	0.000	6.698	0.000	0.000	6.698	0.41	
15	0.000	0.000	27.901	0.000	0.000	28.925	0.000	0.000	29.080	0.000	0.000	29.104	0.000	0.000	19.392	0.000	0.000	19.267	0.000	0.000	6.698	0.000	0.000	4.632	0.000	0.000	0.000	0.000	0.000	3.776	0.000	0.000	0.000	0.000	6.698	0.000	0.000	6.698	0.41	
20	0.000	0.000	27.901	0.000	0.000	28.925	0.000	0.000	29.080	0.000	0.000	29.104	0.000	0.000	19.392	0.000	0.000	19.267	0.000	0.000	6.698	0.000	0.000	4.632	0.000	0.000	0.000	0.000	0.000	3.776	0.000	0.000	0.000	0.000	6.698	0.000	0.000	6.698	0.41	
25	0.000	0.000	27.901	0.000	0.000	28.925	0.000	0.000	29.080	0.000	0.000	29.104	0.000	0.000	19.392	0.000	0.000	19.267	0.000	0.000	6.698	0.000	0.000	4.632	0.000	0.000	0.000	0.000	0.000	3.776	0.000	0.000	0.000	0.000	6.698	0.000	0.000	6.698	0.41	
30	0.000	0.000	27.901	0.000	0.000	28.925	0.000	0.000	29.080	0.000	0.000	29.104	0.000	0.000	19.392	0.000	0.000	19.267	0.000	0.000	6.698	0.000	0.000	4.632	0.000	0.000	0.000	0.000	0.000	3.776	0.000	0.000	0.000	0.000	6.698	0.000	0.000	6.698	0.41	
35	0.000	0.000	27.901	0.000	0.000	28.925	0.000	0.000	29.080	0.000	0.000	29.104	0.000	0.000	19.392	0.000	0.000	19.267	0.000	0.000	6.698	0.000	0.000	4.632	0.000	0.000	0.000	0.000	0.000	3.776	0.000	0.000	0.000	0.000	6.698	0.000	0.000	6.698	0.41	
40	0.000	0.000	27.901	0.000	0.000	28.925	0.000	0.000	29.080	0.000	0.000	29.104	0.000	0.000	19.392	0.000	0.000	19.267	0.000	0.000	6.698	0.000	0.000	4.632	0.000	0.000	0.000	0.000	0.000	3.776	0.000	0.000	0.000	0.000	6.698	0.000	0.000	6.698	0.41	
45	0.000	0.000	27.901	0.000	0.000	28.925	0.000	0.000	29.080	0.000	0.000	29.104	0.000	0.000	19.392	0.000	0.000	19.267	0.000	0.000	6.698	0.000	0.000	4.632	0.000	0.000	0.000	0.000	0.000	3.776	0.000	0.000	0.000	0.000	6.698	0.000	0.000	6.698	0.41	
50	0.000	0.000	27.901	0.000	0.000	28.925	0.000	0.000	29.080	0.000	0.000	29.104	0.000	0.000	19.392	0.000	0.000	19.267	0.000	0.000	6.698	0.000	0.000	4.632	0.000	0.000	0.000	0.000	0.000	3.776	0.000	0.000	0.000	0.000	6.698	0.000	0.000	6.698	0.41	
55	0.000	0.000	27.901	0.000	0.000	28.925	0.000	0.000	29.080	0.000	0.000	29.104	0.000	0.000	19.392	0.000	0.000	19.267	0.000	0.000	6.698	0.000	0.000	4.632	0.000	0.000	0.000	0.000	0.000	3.776	0.000	0.000	0.000	0.000	6.698	0.000	0.000	6.698	0.41	
60	0.000	0.000	27.901	0.000	0.000	28.925	0.000	0.000	29.080	0.000	0.000	29.104	0.000	0.000	19.392	0.000	0.000	19.267	0.000	0.000	6.698	0.000	0.000	4.632	0.000	0.000	0.000	0.000	0.000	3.776	0.000	0.000	0.000	0.000	6.698	0.000	0.000	6.698	0.41	
65	0.000	0.000	27.901	0.000	0.000	28.925	0.000	0.000	29.080	0.000	0.000	29.104	0.000	0.000	19.392	0.000	0.000	19.267	0.000	0.000	6.698	0.000	0.000	4.632	0.000	0.000	0.000	0.000	0.000	3.776	0.000	0.000	0.000	0.000	6.698	0.000	0.000	6.698	0.41	

Pollutant Name: Carbon Monoxide Temperature: 60F Relative Humidity: ALL

Time min	Light Duty Autos			Light Duty Truck 1			Light Duty Truck 2			Medium Duty Truck			Light-Heavy Duty Truck 1			Light-Heavy Duty Truck 2			Medium-Heavy Duty Truck			Heavy-Heavy Duty Truck			Line-Haul Vehicles			Urban Buses			Motorcycles			School Buses			Motor Homes			Total All
	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	
5	23.258	0.568	0.000	24.228	0.854	0.000	24.186	0.754	0.000	41.973	1.098	0.000	40.945	1.870	0.000	40.945	2.454	0.000	61.418	8.035	0.000	233.393	26.868	0.000	0.000	0.000	0.000	72.150	9.368	0.000	6.325	1.987	0.000	61.418	9.329	0.000	61.418	5.707	0.000	0.78
10	20.596	1.116	0.000	21.455	1.678	0.000	21.417	1.484	0.000	37.168	2.157	0.000	36.258	3.676	0.000	36.258	4.819	0.000	54.387	15.743	0.000	206.675	52.645	0.000	0.000	0.000	0.000	63.891	18.355	0.000	5.601	3.893	0.000	54.387	18.279	0.000	54.387	11.182	0.000	1.47
20	15.899	2.156	0.000	16.562	3.323	0.000	16.533	2.869	0.000	28.692	4.158	0.000	27.989	7.095	0.000	27.989	9.279	0.000	41.984	30.181	0.000	159.541	100.923	0.000	0.000	0.000	0.000	49.320	35.187	0.000	4.323	7.462	0.000	41.984	35.041	0.000	41.984	21.436	0.000	2.78
30	12.039	3.120	0.000	12.541	4.662	0.000	12.519	4.156	0.000	21.727	6.003	0.000	21.194	10.256	0.000	21.194	13.380	0.000	31.792	43.313	0.000	120.810	144.834	0.000	0.000	0.000	0.000	37.347	50.497	0.000	3.274	10.709	0.000	31.792	50.287	0.000	31.792	30.763	0.000	3.99
40	9.017	4.007	0.000	9.393	5.968	0.000	9.377	5.343	0.000	16.272	7.693	0.000	15.874	13.158	0.000	15.874	17.122	0.000	23.811	55.139	0.000	90.483	184.378	0.000	0.000	0.000	0.000	27.972	64.284	0.000	2.452	13.633	0.000	23.811	64.017	0.000	23.811	39.162	0.000	5.10
50	6.832	4.818	0.000	7.117	7.151	0.000	7.105	6.431	0.000	12.330	9.226	0.000	12.028	15.803	0.000	12.028	20.504	0.000	18.041	65.659	0.000	68.559	219.556	0.000	0.000	0.000	0.000	21.194	76.549	0.000	1.858	16.234	0.000	18.041	76.231	0.000	18.041	46.634	0.000	6.11
60	5.485	5.553	0.000	5.713	8.210	0.000	5.704	7.421	0.000	9.898	10.603	0.000	9.656	18.190	0.000	9.656	23.527	0.000	14.484	74.873	0.000	55.039	250.367	0.000	0.000	0.000	0.000	17.014	87.291	0.000	1.491	18.512	0.000	14.484	86.929	0.000	14.484	53.178	0.000	7.02
120	17.536	7.422	0.000	18.268	9.831	0.000	18.236	9.952	0.000	31.647	13.442	0.000	30.872	19.300	0.000	30.872	23.762	0.000	46.308	60.314	0.000	175.975	202.161	0.000	0.000	0.000	0.000	54.400	68.820	0.000	4.769	21.423	0.000	46.308	68.568	0.000	46.308	38.507	0.000	8.78
180	27.709	5.464	0.000	28.865	7.706	0.000	28.814	7.374	0.000	50.005	10.114	0.000	48.780	16.672	0.000	48.780	21.703	0.000	73.171	62.077	0.000	278.055	208.071	0.000	0.000	0.000	0.000	85.957	70.832	0.000	7.535	14.742	0.000	73.171	70.572	0.000	73.171	39.633	0.000	6.76
240	36.803	5.779	0.000	38.338	8.079	0.000	38.272	7.821	0.000	66.418	10.630	0.000	64.791	17.601	0.000	64.791	22.719	0.000	97.186	63.898	0.000	369.315	214.175	0.000	0.000	0.000	0.000	114.168	72.910	0.000	10.008	15.175	0.000	97.186	72.643	0.000	97.186	40.796	0.000	7.14
300	44.819	6.069	0.000	46.689	8.430	0.000	46.608	8.230	0.000	80.884	11.112	0.000	78.903	18.459	0.000	78.903	23.681	0.000	118.355	65.778	0.000	449.757	220.474	0.000	0.000	0.000	0.000	139.036	75.055	0.000	12.188	15.621	0.000	118.355	74.779	0.000	118.355	41.996	0.000	7.50
360	51.757	6.334	0.000	53.916	8.759	0.000	53.823	8.601	0.000	93.405	11.561	0.000	91.117	19.247	0.000	91.117	24.589	0.000	136.676	67.715	0.000	519.381	226.968	0.000	0.000	0.000	0.000	160.559	77.265	0.000	14.074	16.081	0.000	136.676	76.982	0.000	136.676	43.233	0.000	7.82
420	57.617	6.574	0.000	6.665	60.021	0.968	0.000	9.257	59.916	8.933	0.000	9.003	103.981	11.977	0.000	12.078	101.434	19.964	0.000	19.011	101.434	25.443	0.000	20.444	152.151	69.711	0.000	24.086	578.185	233.657	0.000	89.663	0.000	0.000	0.000	0.000	178.738	79.542	0.000	16.30
480	62.399	6.789	0.000	6.888	65.002	9.354	0.000	9.564	64.889	9.227	0.000	9.306	112.610	12.359	0.000	12.481	109.852	20.611	0.000	19.655	109.852	26.243	0.000	21.087	164.778	71.764	0.000	24.902	626.171	240.541	0.000	92.618	0.000	0.000	0.000	0.000	193.572	81.886	0.000	17.27
540	66.103	6.978	0.000	7.083	68.861	9.620	0.000	9.845	68.741	9.483	0.000	9.569	119.295	12.708	0.000	12.845	116.373	21.187	0.000	20.224	116.373	26.990	0.000	21.687	174.559	73.876	0.000	25.700	663.339	247.619	0.000	95.533	0.000	0.000	0.000	0.000	205.061	84.296	0.000	18.06
600	68.729	7.142	0.000	7.252	71.596	9.863	0.000	10.099	71.471	9.700	0.000	9.791	124.033	13.023	0.000	13.170	120.995	21.693	0.000	20.717	120.995	27.682	0.000	22.244	181.493	76.046	0.000	26.478	689.687	254.893	0.000	98.409	0.000	0.000	0.000	0.000	213.207	86.772	0.000	18.67
660	70.276	7.280	0.000	7.393	73.208	10.086	0.000	10.326	73.081	9.879	0.000	9.973	126.826	13.305	0.000	13.455	123.720	22.129	0.000	21.134	123.720	28.321	0.000	22.757	185.579	78.274	0.000	27.238	705.217	262.361	0.000	101.245	0.000	0.000	0.000	0.000	218.008	89.314	0.000	19.08
720	70.746	7.393	0.000	7.507	73.697	10.286	0.000	10.528	73.569	10.020	0.000	10.114	127.673	13.553	0.000	13.701	124.546	22.494	0.000	21.476	124.546	28.905	0.000	23.226	186.819	80.560	0.000	27.979	709.928	270.024	0.000	104.041	0.000	0.000	0.000	0.000	219.464	91.922	0.000	19.31

Pollutant Name: Oxides of Nitrogen Temperature: 60F Relative Humidity: ALL

min	Light Duty Autos				Light Duty Truck 1				Light Duty Truck 2				Medium Duty Truck				Light-Heavy Duty Truck 1				Light-Heavy Duty Truck 2				Medium-Heavy Duty Truck				Heavy-Heavy Duty Truck				Line-Haul Vehicles				Urban Buses				Motorcycles				School Buses				Motor Homes				Total All
	NCAT	CAT	DSL		NCAT	CAT	DSL		NCAT	CAT	DSL		NCAT	CAT	DSL		NCAT	CAT	DSL		NCAT	CAT	DSL		NCAT	CAT	DSL		NCAT	CAT	DSL		NCAT	CAT	DSL		NCAT	CAT	DSL		NCAT	CAT	DSL										
5	1.170	0.158	0.000		1.137	0.173	0.000		1.152	0.337	0.000		1.806	0.388	0.000		0.561	1.388	0.000		0.561	1.392	0.000		0.841	1.336	0.000		3.261	4.761	0.000		0.000	0.000	0.000		0.000	0.291	0.093	0.000		0.841	1.386	0.000		0.841	0.698	0.000		0.22			
10	1.272	0.182	0.000		1.236	0.207	0.000		1.252	0.379	0.000		1.963	0.454	0.000		0.609	1.606	0.000		0.609	1.711	0.000		0.914	2.013	0.000		3.545	7.174	0.000		0.000	0.000	0.000		0.000	1.212	3.444	0.000		0.914	2.089	0.000		0.914	1.052	0.000		0.26			
20	1.457	0.225	0.000		1.415	0.266	0.000		1.434	0.453	0.000		2.249	0.571	0.000		0.698	1.992	0.000		0.698	2.275	0.000		1.047	3.202	0.000		4.060	11.410	0.000		0.000	0.000	0.000		0.000	1.388	5.478	0.000		1.388	0.363	0.222	0.000		1.047	3.322	0.000		0.33		
30	1.618	0.260	0.000		1.571	0.315	0.000		1.592	0.515	0.000		2.497	0.667	0.000		0.775	2.312	0.000		0.775	2.738	0.000		1.162	4.170	0.000		4.507	14.863	0.000		0.000	0.000	0.000		0.000	1.541	7.135	0.000		1.541	0.403	0.289	0.000		1.162	4.327	0.000		0.39		
40	1.754	0.288	0.000		1.703	0.354	0.000		1.726	0.565	0.000		2.706	0.744	0.000		0.840	2.565	0.000		0.840	3.101	0.000		1.260	4.919	0.000		4.885	17.531	0.000		0.000	0.000	0.000		0.000	1.671	8.416	0.000		1.671	0.437	0.341	0.000		1.260	5.104	0.000		0.43		
50	1.865	0.309	0.000		1.811	0.382	0.000		1.835	0.602	0.000		2.877	0.799	0.000		0.893	2.752	0.000		0.893	3.363	0.000		1.340	5.447	0.000		5.194	19.414	0.000		0.000	0.000	0.000		0.000	1.776	9.320	0.000		1.776	0.464	0.377	0.000		1.340	5.652	0.000		0.47		
60	1.932	0.322	0.000		1.894	0.400	0.000		1.920	0.626	0.000		3.010	0.835	0.000		0.934	2.871	0.000		0.934	3.525	0.000		1.402	5.756	0.000		5.435	20.513	0.000		0.000	0.000	0.000		0.000	1.859	9.847	0.000		1.859	0.486	0.399	0.000		1.402	5.972	0.000		0.49		
120	1.997	0.339	0.000		1.939	0.420	0.000		1.965	0.657	0.000		3.081	0.879	0.000		0.956	3.028	0.000		0.956	3.668	0.000		1.434	5.842	0.000		5.582	20.822	0.000		0.000	0.000	0.000		0.000	1.902	9.996	0.000		1.902	0.497	0.401	0.000		1.434	6.063	0.000		0.51		
180	1.949	0.351	0.000		1.893	0.431	0.000		1.918	0.688	0.000		3.007	0.906	0.000		0.933	3.033	0.000		0.933	3.667	0.000		1.400	5.821	0.000		5.430	20.745	0.000		0.000	0.000	0.000		0.000	1.857	9.959	0.000		1.857	0.485	0.403	0.000		1.400	6.041	0.000		0.52		
240	1.886	0.348	0.000		1.831	0.428	0.000		1.856	0.683	0.000		2.910	0.900	0.000		0.903	3.012	0.000		0.903	3.644	0.000		1.355	5.788	0.000		5.240	20.628	0.000		0.000	0.000	0.000		0.000	1.797	9.903	0.000		1.797	0.469	0.401	0.000		1.355	6.007	0.000		0.52		
300	1.807	0.345	0.000		1.755	0.424	0.000		1.778	0.676	0.000		2.789	0.891	0.000		0.866	2.981	0.000		0.866	3.609	0.000		1.298	5.744	0.000		5.035	20.471	0.000		0.000	0.000	0.000		0.000	1.722	9.827	0.000		1.722	0.450	0.398	0.000		1.298	5.961	0.000		0.52		
360	1.713	0.340	0.000		1.664	0.419	0.000		1.686	0.666	0.000		2.644	0.878	0.000		0.821	2.939	0.000		0.821	3.564	0.000		1.231	5.689	0.000		4.773	20.273	0.000		0.000	0.000	0.000		0.000	1.632	9.732	0.000		1.632	0.426	0.394	0.000		1.231	5.903	0.000		0.51		
420	1.604	0.334	0.000		0.336	1.557	0.412	0.000	0.415	1.578	0.653	0.000	0.651	2.475	0.863	0.000	0.853	0.853	0.768	2.887	0.000	2.673	0.768	3.508	0.000	2.818	1.152	5.622	0.000	1.797	4.468	20.035	0.000	7.231	0.000	0.000	0.000	0.000	0.000	1.528	9.618	0.000	0.000	1.528	0.914	0.000	0.67						
480	1.479	0.326	0.000		0.328	1.436	0.403	0.000	0.406	1.455	0.637	0.000	0.636	2.282	0.845	0.000	0.834	0.708	2.823	0.000	2.614	0.708	3.401	0.000	2.764	1.062	5.544	0.000	1.771	4.120	19.757	0.000	7.128	0.000	0.000	0.000	0.000	0.000	1.409	9.484	0.000	0.64											
540	1.338	0.318	0.000		0.319	1.300	0.394	0.000	0.396	1.317	0.619	0.000	0.617	2.065	0.823	0.000	0.813	0.641	2.749	0.000	2.545	0.641	3.362	0.000	2.701	0.962	5.454	0.000	1.741	3.729	19.438	0.000	7.009	0.000	0.000	0.000	0.000	0.000	1.275	9.331	0.000	0.62											
600	1.183	0.308	0.000		0.309	1.148	0.382	0.000	0.384	1.164	0.599	0.000	0.596	1.825	0.798	0.000	0.788	0.566	2.664	0.000	2.466	0.566	3.263	0.000	2.630	0.850	5.353	0.000	1.708	3.295	19.079	0.000	6.876	0.000	0.000	0.000	0.000	0.000	1.127	9.159	0.000	0.59											
660	1.011	0.297	0.000		0.298	0.982	0.370	0.000	0.371	0.995	0.575	0.000	0.573	1.561	0.771	0.000	0.760	0.484	2.569	0.000	2.378	0.484	3.173	0.000	2.549	0.727	5.241	0.000	1.670	2.818	18.679	0.000	6.728	0.000	0.000	0.000	0.000	0.000	0.964	8.967	0.000	0.55											
720	0.825	0.284	0.000		0.285	0.801	0.356	0.000	0.356	0.812	0.549	0.000	0.546	1.273	0.740	0.000	0.728	0.395	2.463	0.000	2.279	0.395	3.062	0.000	2.460	0.593	5.118	0.000	1.630	2.298	18.239	0.000	6.565	0.000	0.000	0.000	0.000	0.000	0.786	8.756	0.000	0.55											

Pollutant Name: Sulfur Dioxide				Temperature: 60F				Relative Humidity: ALL																																													
Time min	Light Duty Autos				Light Duty Truck 1				Light Duty Truck 2				Medium Duty Truck				Light-Heavy Duty Truck 1				Light-Heavy Duty Truck 2				Medium-Heavy Duty Truck				Heavy-Heavy Duty Truck				Line-Haul Vehicles				Urban Buses				Motorcycles				School Buses				Motor Homes				Total All
	NCAT	CAT	DSL		NCAT	CAT	DSL		NCAT	CAT	DSL		NCAT	CAT	DSL		NCAT	CAT	DSL		NCAT	CAT	DSL		NCAT	CAT	DSL		NCAT	CAT	DSL		NCAT	CAT	DSL		NCAT	CAT	DSL														
5	0.002	0.000	0.000		0.002	0.000	0.000		0.002	0.000	0.000		0.002	0.000	0.000		0.003	0.000	0.000		0.003	0.000	0.000		0.003	0.000	0.000		0.006	0.001	0.000		1.350	0.000	0.000		0.004	0.000	0.000		0.001	0.000	0.209	0.003	0.000	0.000	0.003	0.000	0.000	0.000	0.000		
10	0.002	0.000	0.000		0.002	0.000	0.000		0.002	0.000	0.000		0.002	0.000	0.000		0.003	0.000	0.000		0.003	0.000	0.000		0.003	0.000	0.000		0.006	0.001	0.000		1.350	0.000	0.000		0.004	0.001	0.000		0.001	0.000	0.209	0.003	0.001	0.000	0.003	0.000	0.000	0.000	0.000		
20	0.002	0.000	0.000	0.000	0.002	0.000	0.000	0.000	0.002	0.000	0.000	0.000	0.002	0.000	0.000	0.000	0.003	0.001	0.000	0.000	0.003	0.001	0.000	0.000	0.003	0.001	0.000	0.000	0.005	0.002	0.000	0.000	1.350	0.000	0.000	0.000	0.004	0.001	0.000	0.000	0.001	0.000	0.209	0.003	0.001	0.000	0.003	0.001	0.000	0.000	0.000		
30	0.002	0.000	0.000	0.000	0.002	0.000	0.000	0.000	0.002	0.000	0.000	0.000	0.003	0.000	0.000	0.000	0.003	0.001	0.000	0.000	0.003	0.001	0.000	0.000	0.003	0.001	0.000	0.000	0.005	0.003	0.000	0.000	1.350	0.000	0.000	0.000	0.004	0.002	0.000	0.001	0.000	0.209	0.003	0.001	0.000	0.003	0.001	0.000	0.000	0.000			
40	0.002	0.000	0.000	0.000	0.002	0.000	0.000	0.000	0.002	0.000	0.000	0.000	0.003	0.001	0.000	0.000	0.003	0.001	0.000	0.000	0.003	0.001	0.000	0.000	0.004	0.002	0.000	0.000	0.005	0.004	0.000	0.000	1.350	0.000	0.000	0.000	0.004	0.002	0.000	0.001	0.000	0.209	0.004	0.002	0.000	0.004	0.001	0.000	0.000	0.000			
50	0.002	0.000	0.000	0.000	0.002	0.001	0.000	0.000	0.002	0.001	0.000	0.000	0.003	0.001	0.000	0.000	0.004	0.001	0.000	0.000	0.003	0.001	0.000	0.000	0.004	0.002	0.000	0.000	0.005	0.005	0.000	0.000	1.350	0.000	0.000	0.000	0.004	0.002	0.000	0.001	0.000	0.209	0.004	0.002	0.000	0.004	0.001	0.000	0.000	0.000			
60	0.002	0.000	0.000	0.000	0.002	0.001	0.000	0.000	0.002	0.001	0.000	0.000	0.003	0.001	0.000	0.000	0.004	0.001	0.000	0.000	0.003	0.001	0.000	0.000	0.004	0.002	0.000	0.000	0.005	0.005	0.000	0.000	1.350	0.000	0.000	0.000	0.004	0.002	0.000	0.001	0.000	0.209	0.004	0.002	0.000	0.004	0.001	0.000	0.000	0.000			
120	0.003	0.001	0.000	0.000	0.003	0.001	0.000	0.000	0.003	0.001	0.000	0.000	0.004	0.002	0.000	0.000	0.005	0.002	0.000	0.000	0.005	0.002	0.000	0.000	0.006	0.003	0.000	0.000	0.005	0.003	0.000	0.000	1.350	0.000	0.000	0.000	0.006	0.003	0.000	0.001	0.001	0.209	0.005	0.003	0.000	0.005	0.003	0.000	0.000	0.000			
180	0.003	0.001	0.000	0.000	0.003	0.001	0.000	0.000	0.003	0.001	0.000	0.000	0.004	0.002	0.000	0.000	0.005	0.002	0.000	0.000	0.005	0.003	0.000	0.000	0.006	0.003	0.000	0.000	0.009	0.006	0.000	0.000	1.350	0.000	0.000	0.000	0.006	0.004	0.000	0.001	0.001	0.209	0.006	0.003	0.000	0.006	0.003	0.000	0.000	0.000			
240	0.004	0.001	0.000	0.000	0.004	0.002	0.000	0.000	0.004	0.002	0.000	0.000	0.005	0.002	0.000	0.000	0.006	0.003	0.000	0.000	0.006	0.003	0.000	0.000	0.006	0.004	0.000	0.000	0.011	0.007	0.000	0.000	1.350	0.000	0.000	0.000	0.007	0.004	0.000	0.001	0.001	0.209	0.006	0.004	0.000	0.006	0.003	0.000	0.000	0.000			
300	0.004	0.001	0.000	0.000	0.004	0.002	0.000	0.000	0.004	0.002	0.000	0.000	0.005	0.002	0.000	0.000	0.006	0.003	0.000	0.000	0.006	0.003	0.000	0.000	0.007	0.004	0.000	0.000	0.012	0.007	0.000	0.000	1.350	0.000	0.000	0.000	0.007	0.004	0.000	0.001	0.001	0.209	0.007	0.004	0.000	0.007	0.004	0.000	0.000	0.000			
360	0.004	0.001	0.000	0.000	0.004	0.002	0.000	0.000	0.004	0.002	0.000	0.000	0.005	0.003	0.000	0.000	0.006	0.003	0.000	0.000	0.006	0.003	0.000	0.000	0.007	0.004	0.000	0.000	0.013	0.007	0.000	0.000	1.350	0.000	0.000	0.000	0.008	0.005	0.000	0.001	0.001	0.209	0.007	0.004	0.000	0.007	0.004	0.000	0.000	0.000			
420	0.004	0.002	0.000	0.000	0.002	0.004	0.002	0.000	0.002	0.004	0.002	0.000	0.002	0.000	0.002	0.000	0.005	0.003	0.000	0.000	0.003	0.006	0.004	0.000	0.006	0.004	0.000	0.000	0.007	0.005	0.000	0.000	0.002	0.014	0.008	0.000	0.003	1.350	0.000	0.000	0.000	0.008	0.005	0.000	0.000	0.000							
480	0.004	0.002	0.000	0.000	0.002	0.004	0.002	0.000	0.002	0.004	0.002	0.000	0.002	0.000	0.002	0.000	0.005	0.003	0.000	0.000	0.003	0.006	0.004	0.000	0.006	0.004	0.000	0.000	0.008	0.005	0.000	0.000	0.002	0.015	0.008	0.000	0.003	1.350	0.000	0.000	0.000	0.008	0.005	0.000	0.000	0.000							
540	0.004	0.002	0.000	0.000	0.002	0.004	0.002	0.000	0.002	0.004	0.002	0.000	0.002	0.000	0.002	0.000	0.006	0.003	0.000	0.000	0.003	0.007	0.004	0.000	0.007	0.004	0.000	0.000	0.008	0.005	0.000	0.000	0.002	0.016	0.009	0.000	0.003	1.350	0.000	0.000	0.000	0.009	0.005	0.000	0.000	0.000							
600	0.004	0.002	0.000	0.000	0.002	0.004	0.002	0.000	0.002	0.004	0.002	0.000	0.002	0.000	0.002	0.000	0.006	0.003	0.000	0.000	0.003	0.007	0.004	0.000	0.007	0.004	0.000	0.000	0.008	0.005	0.000	0.000	0.002	0.016	0.009	0.000	0.003	1.350	0.000	0.000	0.000	0.009	0.006	0.000	0.000	0.000							
660	0.004	0.002	0.000	0.000	0.002	0.004	0.003	0.000	0.003	0.004	0.003	0.000	0.003	0.000	0.003	0.000	0.006	0.004	0.000	0.000	0.003	0.007	0.005	0.000	0.007	0.005	0.000	0.000	0.008	0.006	0.000	0.000	0.002	0.017	0.009	0.000	0.003	1.350	0.000	0.000	0.000	0.009	0.006	0.000	0.000	0.000							
720	0.004	0.002	0.000	0.000	0.002	0.004	0.003	0.000	0.003	0.004	0.003	0.000	0.003	0.000	0.003	0.000	0.006	0.004	0.000	0.000	0.004	0.007	0.005	0.000	0.007	0.005	0.000	0.000	0.008	0.006	0.000	0.000	0.002	0.017	0.010	0.000	0.004	1.350	0.000	0.000	0.000	0.009	0.006	0.000	0.000	0.000							

Pollutant Name: PM10				Temperature: 60F				Relative Humidity: ALL																																													
Time min	Light Duty Autos				Light Duty Truck 1				Light Duty Truck 2				Medium Duty Truck				Light-Heavy Duty Truck 1				Light-Heavy Duty Truck 2				Medium-Heavy Duty Truck				Heavy-Heavy Duty Truck				Line-Haul Vehicles				Urban Buses				Motorcycles				School Buses				Motor Homes				Total All
	NCAT	CAT	Autos	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL													
5	0.011	0.001	0.000		0.011	0.001	0.000	0.012	0.001	0.000	0.012	0.002	0.000	0.011	0.001	0.000	0.011	0.001	0.000	0.011	0.002	0.000	0.000	0.000	0.000	0.011	0.002	0.000	0.000	0.000	0.000	0.011	0.002	0.000	0.020	0.000	0.000	0.011	0.001	0.000	0.011	0.000	0.000	0.00									
10	0.010	0.001	0.000		0.009	0.001	0.000	0.010	0.003	0.000	0.010	0.003	0.000	0.010	0.002	0.000	0.010	0.002	0.000	0.010	0.003	0.000	0.000	0.000	0.000	0.010	0.003	0.000	0.000	0.000	0.000	0.010	0.003	0.000	0.017	0.000	0.000	0.010	0.002	0.000	0.010	0.001	0.000	0.00									
20	0.008	0.002	0.000		0.007	0.003	0.000	0.008	0.006	0.000	0.008	0.006	0.000	0.008	0.004	0.000	0.008	0.004	0.000	0.008	0.007	0.000	0.000	0.000	0.000	0.008	0.006	0.000	0.000	0.000	0.000	0.008	0.006	0.000	0.013	0.001	0.000	0.008	0.004	0.000	0.008	0.001	0.000	0.00									
30	0.006	0.004	0.000		0.006	0.004	0.000	0.006	0.008	0.000	0.006	0.009	0.000	0.006	0.006	0.000	0.006	0.006	0.000	0.006	0.007	0.000	0.000	0.000	0.000	0.006	0.010	0.000	0.000	0.000	0.000	0.006	0.008	0.000	0.010	0.001	0.000	0.006	0.006	0.000	0.006	0.002	0.000	0.00									
40	0.004	0.005	0.000		0.004	0.005	0.000	0.004	0.011	0.000	0.005	0.012	0.000	0.004	0.007	0.000	0.004	0.008	0.000	0.004	0.009	0.000	0.004	0.012	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.004	0.011	0.000	0.008	0.001	0.000	0.004	0.008	0.000	0.004	0.002	0.000	0.01									
50	0.003	0.006	0.000		0.003	0.006	0.000	0.003	0.013	0.000	0.003	0.013	0.000	0.003	0.009	0.000	0.003	0.010	0.000	0.003	0.009	0.000	0.003	0.014	0.000	0.003	0.014	0.000	0.000	0.000	0.000	0.003	0.013	0.000	0.006	0.002	0.000	0.003	0.009	0.000	0.003	0.003	0.000	0.01									
60	0.003	0.007	0.000		0.003	0.007	0.000	0.003	0.015	0.000	0.003	0.016	0.000	0.003	0.010	0.000	0.003	0.011	0.000	0.003	0.012	0.000	0.003	0.016	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.003	0.014	0.000	0.005	0.002	0.000	0.003	0.011	0.000	0.003	0.003	0.000	0.01									
120	0.007	0.010	0.000		0.007	0.010	0.000	0.007	0.024	0.000	0.007	0.024	0.000	0.007	0.014	0.000	0.007	0.016	0.000	0.007	0.016	0.000	0.007	0.023	0.000	0.007	0.023	0.000	0.007	0.020	0.000	0.007	0.020	0.000	0.005	0.002	0.000	0.003	0.013	0.000	0.007	0.004	0.000	0.00									
180	0.011	0.011	0.000		0.011	0.012	0.000	0.012	0.025	0.000	0.012	0.026	0.000	0.011	0.016	0.000	0.011	0.016	0.000	0.011	0.016	0.000	0.011	0.023	0.000	0.011	0.023	0.000	0.000	0.000	0.000	0.011	0.020	0.000	0.020	0.002	0.000	0.011	0.015	0.000	0.011	0.004	0.000	0.00									
240	0.015	0.012	0.000		0.014	0.013	0.000	0.015	0.027	0.000	0.016	0.028	0.000	0.015	0.016	0.000	0.015	0.017	0.000	0.015	0.017	0.000	0.015	0.024	0.000	0.015	0.024	0.000	0.000	0.000	0.000	0.015	0.021	0.000	0.026	0.002	0.000	0.015	0.016	0.000	0.015	0.004	0.000	0.02									
300	0.018	0.012	0.000		0.017	0.013	0.000	0.019	0.029	0.000	0.019	0.029	0.000	0.018	0.017	0.000	0.018	0.018	0.000	0.018	0.017	0.000	0.018	0.025	0.000	0.018	0.025	0.000	0.000	0.000	0.000	0.018	0.022	0.000	0.032	0.003	0.000	0.018	0.016	0.000	0.018	0.004	0.000	0.02									
360	0.021	0.013	0.000		0.020	0.014	0.000	0.022	0.030	0.000	0.022	0.031	0.000	0.021	0.018	0.000	0.021	0.018	0.000	0.021	0.018	0.000	0.021	0.025	0.000	0.021	0.025	0.000	0.000	0.000	0.000	0.021	0.022	0.000	0.037	0.003	0.000	0.021	0.017	0.000	0.021	0.004	0.000	0.02									
420	0.023	0.014	0.000		0.014	0.022	0.015	0.000	0.015	0.024	0.032	0.000	0.031	0.024	0.032	0.000	0.031	0.023	0.018	0.000	0.017	0.023	0.019	0.000	0.015	0.023	0.018	0.000	0.006	0.023	0.026	0.000	0.010	0.000	0.000	0.000	0.000	0.023	0.023	0.000	0.01												
480	0.025	0.014	0.000		0.014	0.024	0.015	0.000	0.015	0.026	0.033	0.000	0.032	0.026	0.033	0.000	0.032	0.025	0.019	0.000	0.018	0.025	0.019	0.000	0.016	0.025	0.019	0.000	0.006	0.025	0.027	0.000	0.010	0.000	0.000	0.000	0.000	0.025	0.024	0.000	0.01												
540	0.027	0.014	0.000		0.014	0.026	0.016	0.000	0.015	0.028	0.033	0.000	0.033	0.028	0.034	0.000	0.033	0.027	0.020	0.000	0.018	0.027	0.020	0.000	0.016	0.027	0.019	0.000	0.007	0.027	0.028	0.000	0.010	0.000	0.000	0.000	0.000	0.027	0.024	0.000	0.02												
600	0.028	0.015	0.000		0.015	0.027	0.016	0.000	0.016	0.029	0.034	0.000	0.034	0.029	0.035	0.000	0.034	0.028	0.020	0.000	0.019	0.028	0.021	0.000	0.016	0.028	0.020	0.000	0.007	0.028	0.029	0.000	0.011	0.000	0.000	0.000	0.000	0.028	0.025	0.000	0.02												
660	0.029	0.015	0.000		0.015	0.027	0.016	0.000	0.016	0.030	0.035	0.000	0.034	0.030	0.035	0.000	0.035	0.029	0.020	0.000	0.019	0.029	0.021	0.000	0.017	0.029	0.021	0.000	0.007	0.029	0.029	0.000	0.011	0.000	0.000	0.000	0.000	0.029	0.026	0.000	0.02												
720	0.029	0.015	0.000		0.015	0.027	0.016	0.000	0.016	0.030	0.035	0.000	0.035	0.030	0.036	0.000	0.035	0.029	0.021	0.000	0.019	0.029	0.021	0.000	0.017	0.029	0.021	0.000	0.007	0.029	0.030	0.000	0.011	0.000	0.000	0.000	0.000	0.029	0.026	0.000	0.02												

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Title   : Los Angeles County Avg 2015 Winter 60°F
Version : Emfac2002 V2.2 Sept 23 2002
Run Date : 03/17/03 16:01:45
Scen Year: 2015 -- Model Years: 1970 to 2015
Season   : Winter
Area     : Los Angeles County
*****
Year:      2015      -- Model Years      1970 to      2015 Inclusive --      Winter
Emfac2002 Emission Factors: V2.2 Sept 23 2002

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County Average	Los Angeles Count	County Average
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Table 4: Hot Soak Emissions (grams/trip)

Pollutant Name: Reactive Org Gases				Temperature: 60F				Relative Humidity: ALL																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
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Hot soak results are scaled to reflect zero emissions for trip lengths of less than 5 minutes (about 25% of in-use trips)

Title : Los Angeles County Avg 2015 Winter 60°F
Version : Emfac2002 V2.2 Sept 23 2002
Run Date : 03/17/03 16:01:45
Scen Year: 2015 -- Model Years: 1970 to 2015
Season : Winter
Area : Los Angeles County

Year: 2015 -- Model Years 1970 to 2015 Inclusive -- Winter
Emfac2002 Emission Factors: V2.2 Sept 23 2002

County Average Los Angeles Count County Average

Table 5a: Partial Day Diurnal Loss Emissions (grams/hour)

Pollutant Name: Reactive Org Gases Temperature: ALL Relative Humidity: ALL

Temp degF	Light Duty Autos			Light Duty Truck 1			Light Duty Truck 2			Medium Duty Truck			Light-Heavy Duty Truck 1			Light-Heavy Duty Truck 2			Medium-Heavy Duty Truck			Heavy-Heavy Duty Truck			Line-Haul Vehicles			Urban Buses			Motorcycles			School Buses			Motor Homes		
	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL
75	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Title : Los Angeles County Avg 2015 Winter 60°F
Version : Emfac2002 V2.2 Sept 23 2002
Run Date : 03/17/03 16:01:45
Scen Year: 2015 -- Model Years: 1970 to 2015
Season : Winter
Area : Los Angeles County

Year: 2015 -- Model Years 1970 to 2015 Inclusive -- Winter
Emfac2002 Emission Factors: V2.2 Sept 23 2002

County Average Los Angeles Count County Average

Table 5b: Multi-Day Diurnal Loss Emissions (grams/hour)

Pollutant Name: Reactive Org Gases Temperature: ALL Relative Humidity: ALL

Temp degF	Light Duty Autos			Light Duty Truck 1			Light Duty Truck 2			Medium Duty Truck			Light-Heavy Duty Truck 1			Light-Heavy Duty Truck 2			Medium-Heavy Duty Truck			Heavy-Heavy Duty Truck			Line-Haul Vehicles			Urban Buses			Motorcycles			School Buses			Motor Homes		
	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL			
75	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		

Title : Los Angeles County Avg 2015 Winter 60°F
Version : Emfac2002 V2.2 Sept 23 2002
Run Date : 03/17/03 16:01:45
Scen Year: 2015 -- Model Years: 1970 to 2015
Season : Winter
Area : Los Angeles County

Year: 2015 -- Model Years 1970 to 2015 Inclusive -- Winter
Emfac2002 Emission Factors: V2.2 Sept 23 2002

County Average Los Angeles Count County Average

Table 6a: Partial Day Resting Loss Emissions (grams/hour)

Pollutant Name: Reactive Org Gases Temperature: ALL Relative Humidity: ALL

Temp degF	Light Duty Autos			Light Duty Truck 1			Light Duty Truck 2			Medium Duty Truck			Light-Heavy Duty Truck 1			Light-Heavy Duty Truck 2			Medium-Heavy Duty Truck			Heavy-Heavy Duty Truck			Line-Haul Vehicles			Urban Buses			Motorcycles			School Buses			Motor Homes		
	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL
75	0.284	0.028	0.000	0.282	0.039	0.000	0.291	0.032	0.000	0.150	0.040	0.000	0.016	0.002	0.000	0.018	0.002	0.000	0.016	0.002	0.000	0.013	0.003	0.000	0.000	0.000	0.000	0.012	0.002	0.000	0.012	0.074	0.000	0.016	0.004	0.000	0.017	0.004	0.000

Title : Los Angeles County Avg 2015 Winter 60°F
Version : Emfac2002 V2.2 Sept 23 2002
Run Date : 03/17/03 16:01:45
Scen Year: 2015 -- Model Years: 1970 to 2015
Season : Winter
Area : Los Angeles County

Year: 2015 -- Model Years 1970 to 2015 Inclusive -- Winter
Emfac2002 Emission Factors: V2.2 Sept 23 2002

County Average Los Angeles Count County Average

Table 6b: Multi-Day Resting Loss Emissions (grams/hour)

Pollutant Name: Reactive Org Gases Temperature: ALL Relative Humidity: ALL

Temp degF	Light Duty Autos			Light Duty Truck 1			Light Duty Truck 2			Medium Duty Truck			Light-Heavy Duty Truck 1			Light-Heavy Duty Truck 2			Medium-Heavy Duty Truck			Heavy-Heavy Duty Truck			Line-Haul Vehicles			Urban Buses			Motorcycles			School Buses			Motor Homes		
	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL
75	0.018	0.002	0.000	0.018	0.003	0.000	0.018	0.002	0.000	0.009	0.003	0.000	0.001	0.000	0.000	0.001	0.000	0.000	0.001	0.000	0.000	0.001	0.000	0.000	0.000	0.000	0.000	0.003	0.001	0.000	0.001	0.007	0.000	0.001	0.000	0.000	0.001	0.000	0.000

Title : Los Angeles County Avg 2015 Winter 60°F
Version : Emfac2002 V2.2 Sept 23 2002
Run Date : 03/17/03 16:01:45
Scen Year: 2015 -- Model Years: 1970 to 2015
Season : Winter
Area : Los Angeles County

Year: 2015 -- Model Years 1970 to 2015 Inclusive -- Winter
Emfac2002 Emission Factors: V2.2 Sept 23 2002

County Average Los Angeles Count County Average

Table 7: Estimated Travel Fractions

Pollutant Name: Temperature: ALL Relative Humidity: ALL

	Light Duty Autos			Light Duty Truck 1			Light Duty Truck 2			Medium Duty Truck			Light-Heavy Duty Truck 1			Light-Heavy Duty Truck 2			Medium-Heavy Duty Truck			Heavy-Heavy Duty Truck			Line-Haul Vehicles			Urban Buses			Motorcycles			School Buses			Motor Homes			
	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL				
%VMT	0.10%	58.70%	0.00%	0.10%	10.50%	0.10%	0.00%	16.40%	0.10%	0.00%	6.50%	0.10%	0.00%	0.90%	0.20%	0.00%	0.20%	0.20%	0.00%	1.60%	1.10%	0.00%	0.10%	3.40%	0.00%	0.00%	0.00%	0.00%	0.20%	0.30%	0.00%	0.10%	0.20%	0.00%	0.00%	0.00%	0.10%	0.00%	0.30%	0.00%
%TRIP	0.10%	56.10%	0.10%	0.00%	9.90%	0.00%	0.00%	15.60%	0.10%	0.00%	6.20%	0.10%	0.00%	3.70%	0.30%	0.00%	1.00%	0.20%	0.10%	1.20%	3.30%	0.00%	0.30%	0.60%	0.00%	0.00%	0.00%	0.00%	0.20%	0.20%	0.00%	0.00%	0.00%	0.10%	0.00%	0.00%	0.00%	0.00%		
%VEH	0.20%	59.70%	0.10%	0.10%	10.70%	0.10%	0.10%	16.60%	0.10%	0.00%	6.70%	0.10%	0.00%	0.70%	0.10%	0.00%	0.20%	0.10%	0.00%	0.20%	0.80%	0.00%	0.10%	0.80%	0.00%	0.00%	0.00%	0.00%	0.10%	0.10%	0.70%	0.70%	0.00%	0.00%	0.00%	0.10%	0.00%	0.90%	0.10%	

Title : Los Angeles County Avg 2005 Summer 75°F
Version : Emfac2002 V2.2 Sept 23 2002
Run Date : 03/05/03 13:49:23
Scen Year: 2005 -- Model Years: 1965 to 2005
Season : Summer
Area : Los Angeles County

Year: 2005 -- Model Years 1965 to 2005 Inclusive -- Summer
Emfac2002 Emission Factors: V2.2 Sept 23 2002

County Average Los Angeles Count County Average

Table 8: Evaporative Running Loss Emissions (grams/minute)

Pollutant Name: Reactive Org Gases Temperature: 75F Relative Humidity: ALL

min	Light Duty Autos			Light Duty Truck 1			Light Duty Truck 2			Medium Duty Truck			Light-Heavy Duty Truck 1			Light-Heavy Duty Truck 2			Medium-Heavy Duty Truck			Heavy-Heavy Duty Truck			Line-Haul Vehicles			Urban Buses			Motorcycles			School Buses			Motor Homes			
	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL	NCAT	CAT	DSL				
1	1.648	0.021	0.000	2.113	0.651	0.000	2.099	0.492	0.000	1.125	0.636	0.000	1.932	0.772	0.000	1.745	1.046	0.000	1.952	1.560	0.000	2.858	5.416	0.000	0.000	0.000	0.000	4.230	1.556	0.000	0.044	0.004	0.000	2.191	2.222	0.000	1.629	1.882	0.000	
2	1.383	0.020	0.000	1.259	0.337	0.000	1.246	0.255	0.000	0.673	0.330	0.000	1.167	0.398	0.000	1.028	0.538	0.000	1.181	0.804	0.000	1.645	2.773	0.000	0.000	0.000	0.000	2.384	0.814	0.000	0.045	0.070	0.000	1.288	1.155	0.000	1.069	0.988	0.000	
3	1.301	0.023	0.000	0.977	0.235	0.000	0.963	0.179	0.000	0.523	0.230	0.000	0.914	0.276	0.000	0.791	0.371	0.000	0.925	0.554	0.000	1.243	1.893	0.000	0.000	0.000	0.000	1.772	0.571	0.000	0.046	0.105	0.000	0.988	0.803	0.000	0.888	0.694	0.000	
4	1.265	0.025	0.000	0.837	0.185	0.000	0.824	0.142	0.000	0.449	0.183	0.000	0.789	0.216	0.000	0.673	0.290	0.000	0.800	0.431	0.000	1.044	1.454	0.000	0.000	0.000	0.000	1.467	0.452	0.000	0.047	0.127	0.000	0.840	0.628	0.000	0.800	0.549	0.000	
5	1.247	0.027	0.000	0.754	0.156	0.000	0.741	0.121	0.000	0.405	0.155	0.000	0.715	0.181	0.000	0.604	0.241	0.000	0.725	0.357	0.000	0.925	1.191	0.000	0.000	0.000	0.000	1.286	0.381	0.000	0.048	0.142	0.000	0.753	0.524	0.000	0.748	0.463	0.000	
10	1.237	0.033	0.000	0.598	0.102	0.000	0.585	0.082	0.000	0.323	0.102	0.000	0.576	0.112	0.000	0.471	0.148	0.000	0.586	0.214	0.000	0.698	0.667	0.000	0.000	0.000	0.000	0.936	0.245	0.000	0.055	0.179	0.000	0.586	0.320	0.000	0.657	0.294	0.000	
15	1.263	0.036	0.000	0.555	0.088	0.000	0.541	0.073	0.000	0.300	0.089	0.000	0.539	0.091	0.000	0.434	0.121	0.000	0.549	0.170	0.000	0.632	0.494	0.000	0.000	0.000	0.000	0.830	0.206	0.000	0.061	0.198	0.000	0.539	0.258	0.000	0.639	0.244	0.000	
20	1.295	0.039	0.000	0.540	0.085	0.000	0.526	0.071	0.000	0.293	0.086	0.000	0.527	0.083	0.000	0.420	0.111	0.000	0.536	0.151	0.000	0.605	0.408	0.000	0.000	0.000	0.000	0.786	0.192	0.000	0.067	0.213	0.000	0.521	0.230	0.000	0.638	0.223	0.000	
25	1.329	0.041	0.000	0.536	0.085	0.000	0.521	0.073	0.000	0.291	0.088	0.000	0.525	0.079	0.000	0.416	0.107	0.000	0.534	0.142	0.000	0.595	0.358	0.000	0.000	0.000	0.000	0.765	0.188	0.000	0.074	0.225	0.000	0.515	0.217	0.000	0.644	0.214	0.000	
30	1.365	0.043	0.000	0.551	0.088	0.000	0.536	0.076	0.000	0.299	0.091	0.000	0.538	0.077	0.000	0.425	0.107	0.000	0.548	0.138	0.000	0.616	0.329	0.000	0.000	0.000	0.000	0.787	0.194	0.000	0.076	0.234	0.000	0.531	0.218	0.000	0.662	0.221	0.000	
35	1.400	0.044	0.000	0.565	0.091	0.000	0.549	0.079	0.000	0.306	0.094	0.000	0.551	0.076	0.000	0.435	0.107	0.000	0.561	0.136	0.000	0.636	0.309	0.000	0.000	0.000	0.000	0.807	0.200	0.000	0.078	0.243	0.000	0.545	0.220	0.000	0.678	0.227	0.000	
40	1.433	0.045	0.000	0.578	0.094	0.000	0.562	0.081	0.000	0.313	0.097	0.000	0.564	0.076	0.000	0.444	0.108	0.000	0.574	0.136	0.000	0.654	0.295	0.000	0.000	0.000	0.000	0.826	0.206	0.000	0.080	0.251	0.000	0.559	0.222	0.000	0.695	0.233	0.000	
45	1.465	0.047	0.000	0.049	0.591	0.097	0.000	0.099	0.575	0.084	0.000	0.085	0.320	0.100	0.000	0.099	0.576	0.075	0.000	0.062	0.453	0.109	0.000	0.063	0.586	0.135	0.000	0.026	0.670	0.284	0.000	0.006	0.006	0.000	0.000	0.000	0.000	0.844	0.211	0.000
50	1.456	0.047	0.000	0.049	0.603	0.100	0.000	0.102	0.586	0.086	0.000	0.087	0.327	0.102	0.000	0.101	0.587	0.076	0.000	0.062	0.461	0.110	0.000	0.064	0.598	0.136	0.000	0.026	0.686	0.275	0.000	0.006	0.006	0.000	0.000	0.000	0.000	0.862	0.216	0.000
55	1.429	0.048	0.000	0.050	0.615	0.102	0.000	0.104	0.598	0.088	0.000	0.089	0.333	0.105	0.000	0.104	0.598	0.076	0.000	0.062	0.470	0.111	0.000	0.065	0.609	0.136	0.000	0.026	0.701	0.269	0.000	0.006	0.006	0.000	0.000	0.000	0.000	0.878	0.221	0.000
60	1.408	0.048	0.000	0.050	0.626	0.104	0.000	0.107	0.609	0.090	0.000	0.091	0.339	0.107	0.000	0.106	0.609	0.076	0.000	0.063	0.477	0.113	0.000	0.065	0.620	0.137	0.000	0.026	0.715	0.264	0.000	0.005	0.005	0.000	0.000	0.000	0.000	0.894	0.225	0.000

Attachment J
Assumptions for On-Airport Roadway Links

Table J1

**On-Airport Vehicle Fleet Mix and Assumptions for Roadway Links
Year 2000 On-Airport Roadway Parameters**

Road Name	Length	Annual Veh	Peak Hrly Veh.	Speed
Center Way	0.683	10165780	2368	5
Century	0.118	21983775	5122	30
East Way	0.155	10949807	2551	15
FEDXCAR1	0.089	1857781	402	15
FEDXCAR2	0.130	1857781	402	15
FEDXCAR3	0.084	1857781	402	15
GARRETT1	0.194	25687	5	15
N. Sepulveda	0.145	19432363	4527	5
NECARGO1	0.104	8297531	1796	15
NECARGO10	0.215	8297531	1796	15
NECARGO2	0.091	8297531	1796	15
NECARGO3	0.100	8297531	1796	15
NECARGO4	0.286	8297531	1796	15
NECARGO5	0.077	8297531	1796	15
NECARGO6	0.254	8297531	1796	15
NECARGO7	0.151	8297531	1796	15
NECARGO8	0.265	8297531	1796	15
NECARGO9	0.147	8297531	1796	15
Re-Circulation	0.125	7429539	1444	10
S. Sepulveda	0.301	21155452	4929	5
SCARGO	0.194	1203025	260	15
SECARGO1	0.316	5487069	1187	15
SECARGO2	0.261	5487069	1187	15
SECARGO3	0.260	5487069	1187	15
Spine Rd/World Way	1.218	3662002	897	25
SWANCIL1	0.542	183441	39	15
SWCARGO1	0.515	1376991	297	15
T1	0.326	38685137	9301	5
T2	0.239	35438471	8520	5
T3	0.134	28648817	6888	5
T4	0.133	20211961	4709	10
T5	0.111	21239613	4948	10
T6	0.129	21239613	4948	10
T7	0.191	23427802	5458	5
T8	0.137	23427802	5458	5
TBIT	0.145	27233611	6570	5
West Way	0.152	13408197	3123	10

Based on 1997 data and growth factor of (1.008)⁴

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Table J2

On-Airport Vehicle Fleet Mix and Assumptions for Roadway Links Alternative D 2013/2015 Roadway Assumptions

Road Name	Length	Veh Year	Veh Hour	Speed
T1	0.326	2564747	665	5
T2	0.239	2564747	665	5
T3	0.134	2564747	665	5
TBIT	0.145	2564747	665	5
T4	0.133	2564747	665	10
T5	0.111	2564747	665	5
T6	0.129	2564747	665	5
T7	0.191	2564747	665	5
T8	0.137	2564747	665	5
West Way	0.152	2564747	665	10
East Way	0.155	2564747	665	15
N. Sepulveda	0.145	13279788	327	5
S. Sepulveda	0.301	19854191	488	10
Century	0.118	20948517	515	30
Spine Rd/World Way	0.771	4018306	869	25
Center Way	0.683	2564747	665	5
NECARGO1	0.104	8066482	1746	15
NECARGO2	0.091	8066482	1746	15
NECARGO3	0.100	8066482	1746	15
NECARGO4	0.286	8066482	1746	15
NECARGO5	0.077	8066482	1746	15
NECARGO6	0.254	8066482	1746	15
NECARGO7	0.151	8066482	1746	15
SECARGO1	0.316	5330082	1153	15
SECARGO2	0.261	5330082	1153	15
SECARGO3	0.260	5330082	1153	15
FEDXCAR1	0.089	1772326	383	15
GARRETT1	0.194	24881	5	15
SWCARGO1	0.515	1335681	289	15
SWANCIL1	0.542	177686	38	15
NECARGO8	0.265	8066482	1746	15
NECARGO9	0.147	8066482	1746	15
NECARGO10	0.215	8066482	1746	15
FEDXCAR2	0.130	1772326	383	15
FEDXCAR3	0.084	1772326	383	15
SCARGO	0.194	1167173	252	15
Re-Circulation	0.125	9850433	665	5
P1-North Pier	0.396	3926378	3126	25
North Pier-P2	0.451	3926378	1164	25
P2-South Pier	0.467	3926378	2015	20
South Pier-P3	0.463	3926378	1136	25
P3	0.443	43190162	7485	25
Main GTC Access	0.587	33374216	8088	30
ITC-Main	0.314	3926378	5969	30
Intermodal Trans Cen	0.185	3926378	3649	15
ImpHwy-ITC	0.117	3926378	6337	35
SFC Prkng	0.416	7139951	1568	35
W. Pier Ramps	0.346	11639608	4940	30
E. Pier Ramps	0.343	30728567	4535	35

2013 and 2015 have same roadway assumptions. Only assumption change is in emission factor data.

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Table J3

**On-Airport Vehicle Fleet Mix and Assumptions for Roadway Links
Year 2000 Fleet Mix**

Road Name	Fleet Composition		
Center Way	All Vehicles		
Century	All Vehicles		
East Way	All Vehicles		
FEDXCAR1	MD Trucks	HD Trucks	
FEDXCAR2	MD Trucks	HD Trucks	
FEDXCAR3	MD Trucks	HD Trucks	
GARRETT1	MD Trucks	HD Trucks	
N. Sepulveda	All Vehicles		
NECARGO1	MD Trucks	HD Trucks	
NECARGO10	MD Trucks	HD Trucks	
NECARGO2	MD Trucks	HD Trucks	
NECARGO3	MD Trucks	HD Trucks	
NECARGO4	MD Trucks	HD Trucks	
NECARGO5	MD Trucks	HD Trucks	
NECARGO6	MD Trucks	HD Trucks	
NECARGO7	MD Trucks	HD Trucks	
NECARGO8	MD Trucks	HD Trucks	
NECARGO9	MD Trucks	HD Trucks	
Re-Circulation	LD Pass Cars	LD Trucks	Urban Buses
S. Sepulveda	All Vehicles		
SCARGO	MD Trucks	HD Trucks	
SECARGO1	MD Trucks	HD Trucks	
SECARGO2	MD Trucks	HD Trucks	
SECARGO3	MD Trucks	HD Trucks	
Spine Rd/World Way	All Vehicles		
SWANCIL1	MD Trucks	HD Trucks	
SWCARGO1	MD Trucks	HD Trucks	
T1	LD Pass Cars	LD Trucks	Urban Buses
T2	LD Pass Cars	LD Trucks	Urban Buses
T3	LD Pass Cars	LD Trucks	Urban Buses
T4	LD Pass Cars	LD Trucks	Urban Buses
T5	LD Pass Cars	LD Trucks	Urban Buses
T6	LD Pass Cars	LD Trucks	Urban Buses
T7	LD Pass Cars	LD Trucks	Urban Buses
T8	LD Pass Cars	LD Trucks	Urban Buses
TBIT	LD Pass Cars	LD Trucks	Urban Buses
West Way	LD Pass Cars	LD Trucks	Urban Buses
 All Parking Areas	 LD Pass Cars	 LD Trucks	

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Table J4

On-Airport Vehicle Fleet Mix and Assumptions for Roadway Links 2013 Fleet Mix By Roadway Link

Link (direction)		Light Duty Autos			Light Duty Trucks			Md. Duty Trucks		Light Heavy Trucks			Medium Heavy Truck			HH Truck	Urban Bus	MCY	TOTAL
		NCAT	CAT	Diesel	NCAT	CAT	Diesel	NCAT	CAT	NCAT	CAT	Diesel	NCAT	CAT	Diesel	Diesel	Diesel	All	
T1	CTA Area	0.3%	54.1%	0.1%	0.3%	41.9%	0.2%	0.1%	1.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.3%	0.0%	100%
T2	CTA Area	0.3%	54.1%	0.1%	0.3%	41.9%	0.2%	0.1%	1.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.3%	0.0%	100%
T3	CTA Area	0.3%	54.1%	0.1%	0.3%	41.9%	0.2%	0.1%	1.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.3%	0.0%	100%
TBIT	CTA Area	0.3%	54.1%	0.1%	0.3%	41.9%	0.2%	0.1%	1.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.3%	0.0%	100%
T4	CTA Area	0.3%	54.1%	0.1%	0.3%	41.9%	0.2%	0.1%	1.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.3%	0.0%	100%
T5	CTA Area	0.3%	54.1%	0.1%	0.3%	41.9%	0.2%	0.1%	1.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.3%	0.0%	100%
T6	CTA Area	0.3%	54.1%	0.1%	0.3%	41.9%	0.2%	0.1%	1.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.3%	0.0%	100%
T7	CTA Area	0.3%	54.1%	0.1%	0.3%	41.9%	0.2%	0.1%	1.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.3%	0.0%	100%
T8	CTA Area	0.3%	54.1%	0.1%	0.3%	41.9%	0.2%	0.1%	1.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.3%	0.0%	100%
West Way	CTA Area	0.3%	54.1%	0.1%	0.3%	41.9%	0.2%	0.1%	1.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.3%	0.0%	100%
East Way	CTA Area	0.3%	54.1%	0.1%	0.3%	41.9%	0.2%	0.1%	1.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.3%	0.0%	100%
N. Sepulveda	CTA Area	0.3%	54.1%	0.1%	0.3%	41.9%	0.2%	0.1%	1.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.3%	0.0%	100%
S. Sepulveda	CTA Area	0.3%	54.1%	0.1%	0.3%	41.9%	0.2%	0.1%	1.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.3%	0.0%	100%
Century	CTA Area	0.3%	54.1%	0.1%	0.3%	41.9%	0.2%	0.1%	1.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.3%	0.0%	100%
Spine Rd/World Way	CTA Area	0.3%	54.1%	0.1%	0.3%	41.9%	0.2%	0.1%	1.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.3%	0.0%	100%
Center Way	CTA Area	0.3%	54.1%	0.1%	0.3%	41.9%	0.2%	0.1%	1.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.3%	0.0%	100%
NECARGO1	Ancillary	0.0%	0.0%	0.0%	0.5%	59.9%	0.2%	1.4%	38.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100%
NECARGO2	Ancillary	0.0%	0.0%	0.0%	0.5%	59.9%	0.2%	1.4%	38.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100%
NECARGO3	Ancillary	0.0%	0.0%	0.0%	0.5%	59.9%	0.2%	1.4%	38.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100%
NECARGO4	Ancillary	0.0%	0.0%	0.0%	0.5%	59.9%	0.2%	1.4%	38.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100%
NECARGO5	Ancillary	0.0%	0.0%	0.0%	0.5%	59.9%	0.2%	1.4%	38.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100%
NECARGO6	Ancillary	0.0%	0.0%	0.0%	0.5%	59.9%	0.2%	1.4%	38.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100%
NECARGO7	Ancillary	0.0%	0.0%	0.0%	0.5%	59.9%	0.2%	1.4%	38.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100%
SECARGO1	Ancillary	0.0%	0.0%	0.0%	0.5%	59.9%	0.2%	1.4%	38.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100%
SECARGO2	Ancillary	0.0%	0.0%	0.0%	0.5%	59.9%	0.2%	1.4%	38.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100%
SECARGO3	Ancillary	0.0%	0.0%	0.0%	0.5%	59.9%	0.2%	1.4%	38.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100%
FEDXCAR1	Ancillary	0.0%	0.0%	0.0%	0.5%	59.9%	0.2%	1.4%	38.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100%
GARRETT1	Ancillary	0.0%	0.0%	0.0%	0.5%	59.9%	0.2%	1.4%	38.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100%
SWCARGO1	Ancillary	0.0%	0.0%	0.0%	0.5%	59.9%	0.2%	1.4%	38.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100%
SWANCIL1	Ancillary	0.0%	0.0%	0.0%	0.5%	59.9%	0.2%	1.4%	38.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100%
NECARGO8	Ancillary	0.0%	0.0%	0.0%	0.5%	59.9%	0.2%	1.4%	38.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100%
NECARGO9	Ancillary	0.0%	0.0%	0.0%	0.5%	59.9%	0.2%	1.4%	38.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100%
NECARGO10	Ancillary	0.0%	0.0%	0.0%	0.5%	59.9%	0.2%	1.4%	38.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100%
FEDXCAR2	Ancillary	0.0%	0.0%	0.0%	0.5%	59.9%	0.2%	1.4%	38.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100%
FEDXCAR3	Ancillary	0.0%	0.0%	0.0%	0.5%	59.9%	0.2%	1.4%	38.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100%
SCARGO	Ancillary	0.0%	0.0%	0.0%	0.5%	59.9%	0.2%	1.4%	38.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100%
Re-Circulation	Eastside GTC	0.3%	54.1%	0.1%	0.3%	41.9%	0.2%	0.1%	1.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.3%	0.0%	100%
P1-North Pier	Eastside GTC	0.3%	54.1%	0.1%	0.3%	41.9%	0.2%	0.1%	1.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.3%	0.0%	100%
North Pier-P2	Eastside GTC	0.3%	54.1%	0.1%	0.3%	41.9%	0.2%	0.1%	1.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.3%	0.0%	100%
P2-South Pier	Eastside GTC	0.3%	54.1%	0.1%	0.3%	41.9%	0.2%	0.1%	1.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.3%	0.0%	100%
South Pier-P3	Eastside GTC	0.3%	54.1%	0.1%	0.3%	41.9%	0.2%	0.1%	1.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.3%	0.0%	100%
P3	Eastside GTC	0.3%	54.1%	0.1%	0.3%	41.9%	0.2%	0.1%	1.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.3%	0.0%	100%
Main GTC Access	Eastside GTC	0.3%	54.1%	0.1%	0.3%	41.9%	0.2%	0.1%	1.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.3%	0.0%	100%
ITC-Main	Eastside GTC	0.3%	54.1%	0.1%	0.3%	41.9%	0.2%	0.1%	1.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.3%	0.0%	100%
Intermodal Trans Cen	Eastside GTC	0.3%	54.1%	0.1%	0.3%	41.9%	0.2%	0.1%	1.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.3%	0.0%	100%
ImpHwy-ITC	Eastside GTC	0.3%	54.1%	0.1%	0.3%	41.9%	0.2%	0.1%	1.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.3%	0.0%	100%
SFC Prkng	Eastside GTC	0.3%	54.1%	0.1%	0.3%	41.9%	0.2%	0.1%	1.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.3%	0.0%	100%
W. Pier Ramps	Eastside GTC	0.3%	54.1%	0.1%	0.3%	41.9%	0.2%	0.1%	1.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.3%	0.0%	100%
E. Pier Ramps	Eastside GTC	0.3%	54.1%	0.1%	0.3%	41.9%	0.2%	0.1%	1.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.3%	0.0%	100%

Table J5																			
On-Airport Vehicle Fleet Mix and Assumptions for Roadway Links 2015 Fleet Mix By Roadway Link																			
Link (direction)		Light Duty Autos			Light Duty Trucks			Md. Duty Trucks		Light Heavy Trucks			Medium Heavy Truck			HH Truck	Urban Bus	MCY	TOTAL
		NCAT	CAT	Diesel	NCAT	CAT	Diesel	NCAT	CAT	NCAT	CAT	DIESEL	NCAT	CAT	Diesel	Diesel	Diesel	ALL	
East Side																			
T1	CTA Area	0.2%	54.3%	0.1%	0.2%	42.1%	0.2%	0.0%	1.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.3%	0.0%	100%
T2	CTA Area	0.2%	54.3%	0.1%	0.2%	42.1%	0.2%	0.0%	1.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.3%	0.0%	100%
T3	CTA Area	0.2%	54.3%	0.1%	0.2%	42.1%	0.2%	0.0%	1.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.3%	0.0%	100%
TBIT	CTA Area	0.2%	54.3%	0.1%	0.2%	42.1%	0.2%	0.0%	1.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.3%	0.0%	100%
T4	CTA Area	0.2%	54.3%	0.1%	0.2%	42.1%	0.2%	0.0%	1.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.3%	0.0%	100%
T5	CTA Area	0.2%	54.3%	0.1%	0.2%	42.1%	0.2%	0.0%	1.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.3%	0.0%	100%
T6	CTA Area	0.2%	54.3%	0.1%	0.2%	42.1%	0.2%	0.0%	1.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.3%	0.0%	100%
T7	CTA Area	0.2%	54.3%	0.1%	0.2%	42.1%	0.2%	0.0%	1.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.3%	0.0%	100%
T8	CTA Area	0.2%	54.3%	0.1%	0.2%	42.1%	0.2%	0.0%	1.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.3%	0.0%	100%
West Way	CTA Area	0.2%	54.3%	0.1%	0.2%	42.1%	0.2%	0.0%	1.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.3%	0.0%	100%
East Way	CTA Area	0.2%	54.3%	0.1%	0.2%	42.1%	0.2%	0.0%	1.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.3%	0.0%	100%
N. Sepulveda	CTA Area	0.2%	54.3%	0.1%	0.2%	42.1%	0.2%	0.0%	1.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.3%	0.0%	100%
S. Sepulveda	CTA Area	0.2%	54.3%	0.1%	0.2%	42.1%	0.2%	0.0%	1.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.3%	0.0%	100%
Century	CTA Area	0.2%	54.3%	0.1%	0.2%	42.1%	0.2%	0.0%	1.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.3%	0.0%	100%
Spine Rd/World Way	CTA Area	0.2%	54.3%	0.1%	0.2%	42.1%	0.2%	0.0%	1.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.3%	0.0%	100%
Center Way	CTA Area	0.2%	54.3%	0.1%	0.2%	42.1%	0.2%	0.0%	1.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.3%	0.0%	100%
NECARGO1	Ancillary	0.0%	0.0%	0.0%	0.3%	60.1%	0.3%	0.7%	38.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100%
NECARGO2	Ancillary	0.0%	0.0%	0.0%	0.3%	60.1%	0.3%	0.7%	38.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100%
NECARGO3	Ancillary	0.0%	0.0%	0.0%	0.3%	60.1%	0.3%	0.7%	38.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100%
NECARGO4	Ancillary	0.0%	0.0%	0.0%	0.3%	60.1%	0.3%	0.7%	38.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100%
NECARGO5	Ancillary	0.0%	0.0%	0.0%	0.3%	60.1%	0.3%	0.7%	38.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100%
NECARGO6	Ancillary	0.0%	0.0%	0.0%	0.3%	60.1%	0.3%	0.7%	38.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100%
NECARGO7	Ancillary	0.0%	0.0%	0.0%	0.3%	60.1%	0.3%	0.7%	38.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100%
SECARGO1	Ancillary	0.0%	0.0%	0.0%	0.3%	60.1%	0.3%	0.7%	38.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100%
SECARGO2	Ancillary	0.0%	0.0%	0.0%	0.3%	60.1%	0.3%	0.7%	38.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100%
SECARGO3	Ancillary	0.0%	0.0%	0.0%	0.3%	60.1%	0.3%	0.7%	38.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100%
FEDXCAR1	Ancillary	0.0%	0.0%	0.0%	0.3%	60.1%	0.3%	0.7%	38.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100%
GARRETT1	Ancillary	0.0%	0.0%	0.0%	0.3%	60.1%	0.3%	0.7%	38.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100%
0		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
SWCARGO1	Ancillary	0.0%	0.0%	0.0%	0.3%	60.1%	0.3%	0.7%	38.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100%
SWANCIL1	Ancillary	0.0%	0.0%	0.0%	0.3%	60.1%	0.3%	0.7%	38.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100%
NECARGO8	Ancillary	0.0%	0.0%	0.0%	0.3%	60.1%	0.3%	0.7%	38.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100%
NECARGO9	Ancillary	0.0%	0.0%	0.0%	0.3%	60.1%	0.3%	0.7%	38.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100%
NECARGO10	Ancillary	0.0%	0.0%	0.0%	0.3%	60.1%	0.3%	0.7%	38.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100%
FEDXCAR2	Ancillary	0.0%	0.0%	0.0%	0.3%	60.1%	0.3%	0.7%	38.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100%
FEDXCAR3	Ancillary	0.0%	0.0%	0.0%	0.3%	60.1%	0.3%	0.7%	38.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100%
SCARGO	Ancillary	0.0%	0.0%	0.0%	0.3%	60.1%	0.3%	0.7%	38.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100%
Re-Circulation	Eastside GTC	0.2%	54.3%	0.1%	0.2%	42.1%	0.2%	0.0%	1.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.3%	0.0%	100%
P1-North Pier	Eastside GTC	0.2%	54.3%	0.1%	0.2%	42.1%	0.2%	0.0%	1.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.3%	0.0%	100%
North Pier-P2	Eastside GTC	0.2%	54.3%	0.1%	0.2%	42.1%	0.2%	0.0%	1.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.3%	0.0%	100%
P2-South Pier	Eastside GTC	0.2%	54.3%	0.1%	0.2%	42.1%	0.2%	0.0%	1.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.3%	0.0%	100%
South Pier-P3	Eastside GTC	0.2%	54.3%	0.1%	0.2%	42.1%	0.2%	0.0%	1.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.3%	0.0%	100%
P3	Eastside GTC	0.2%	54.3%	0.1%	0.2%	42.1%	0.2%	0.0%	1.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.3%	0.0%	100%
Main GTC Access	Eastside GTC	0.2%	54.3%	0.1%	0.2%	42.1%	0.2%	0.0%	1.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.3%	0.0%	100%
ITC-Main	Eastside GTC	0.2%	54.3%	0.1%	0.2%	42.1%	0.2%	0.0%	1.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.3%	0.0%	100%
Intermodal Trans Cen	Eastside GTC	0.2%	54.3%	0.1%	0.2%	42.1%	0.2%	0.0%	1.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.3%	0.0%	100%
ImpHwy-ITC	Eastside GTC	0.2%	54.3%	0.1%	0.2%	42.1%	0.2%	0.0%	1.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.3%	0.0%	100%
SFC Prkng	Eastside GTC	0.2%	54.3%	0.1%	0.2%	42.1%	0.2%	0.0%	1.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.3%	0.0%	100%
W. Pier Ramps	Eastside GTC	0.2%	54.3%	0.1%	0.2%	42.1%	0.2%	0.0%	1.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.3%	0.0%	100%
E. Pier Ramps	Eastside GTC	0.2%	54.3%	0.1%	0.2%	42.1%	0.2%	0.0%	1.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.3%	0.0%	100%

Attachment K
On-Airport Vehicle Fleet Mix and
Assumptions for Parking Facilities

Table K1**Year 2000 On-Airport Parking Parameters**

Lot Name	Idle time	Traveled Distance	Annual Veh	Peak Hrly Veh.
CTA Structure 1	3.0	1400.00	1860714	496
CTA Structure 2	1.5	700.00	854923	227
CTA Structure 2A	1.5	700.00	999989	266
CTA Structure 3	3.0	1400.00	1663424	443
CTA Structure 4	3.0	1400.00	1533831	409
CTA Structure 5	1.5	700.00	907146	242
CTA Structure 6	3.0	1800.00	564791	150
CTA Structure 7	3.0	1600.00	2342333	625
East Side Staging	5.0	500.00	882572	256
Eastside Employee	0.5	1500.00	2456663	788
Eastside RAC	2.0	1500.00	4305560	1148
Eastside Remote	0.5	2500.00	541579	144
Eastside Remote 2	0.5	1500.00	458135	147

Based on 1997 data and growth factor of $(1.008)_4$

S-4. Supplemental Air Quality Technical Report

Table K2

Alternative D 2013/2015 Parking Area Parameters

Lot Name	Travel Length	Veh/Year	Veh/Hour	Avg Speed
P1	1250.00	2111614	603	10
P2	750.00	13117925	3746	10
P3	750.00	3673439	1049	10
Surface Parking	250.00	770406	220	10
ITC	750.00	12046359	3440	10
West Emp Lot	1000.00	1024341	309	10
CVHA	250.00	2615765	810	10
Avion/Cent Emp Lot	750.00	785097	250	10
RAC Ret/Ready Garage	1000.00	5347788	1656	10
RAC QT Area	250.00	5347788	1656	10
RAC Storage Area	250.00	322934	100	10

Table K3

2013 Fleet Mix By Parking Area

Link (direction)		Light Duty Autos			Light Duty Trucks			Md. Duty Trucks		Light Heavy Trucks			Medium Heavy Truck			Hh Truck	Urban Bus	Mcy	
		NCAT	CAT	Diesel	NCAT	CAT	Diesel	NCAT	CAT	NCAT	CAT	Diesel	NCAT	CAT	Diesel	Diesel	Diesel	All	Total
P1	Eastside GTC	0.3%	54.1%	0.1%	0.3%	41.9%	0.2%	0.1%	1.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.3%	0.0%	100%
P2	Eastside GTC	0.3%	54.1%	0.1%	0.3%	41.9%	0.2%	0.1%	1.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.3%	0.0%	100%
P3	Eastside GTC	0.3%	54.1%	0.1%	0.3%	41.9%	0.2%	0.1%	1.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.3%	0.0%	100%
Surface Parking	Eastside GTC	0.3%	54.1%	0.1%	0.3%	41.9%	0.2%	0.1%	1.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.3%	0.0%	100%
ITC	Eastside GTC	0.3%	54.1%	0.1%	0.3%	41.9%	0.2%	0.1%	1.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.3%	0.0%	100%
West Emp Lot	Eastside GTC	0.3%	54.1%	0.1%	0.3%	41.9%	0.2%	0.1%	1.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.3%	0.0%	100%
CVHA	Eastside GTC	0.3%	54.1%	0.1%	0.3%	41.9%	0.2%	0.1%	1.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.3%	0.0%	100%
Avion/Cent Emp Lot	Eastside GTC	0.3%	54.1%	0.1%	0.3%	41.9%	0.2%	0.1%	1.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.3%	0.0%	100%
RAC Ret/Ready Garage	Eastside GTC	0.3%	54.1%	0.1%	0.3%	41.9%	0.2%	0.1%	1.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.3%	0.0%	100%
RAC QT Area	Eastside GTC	0.3%	54.1%	0.1%	0.3%	41.9%	0.2%	0.1%	1.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.3%	0.0%	100%
RAC Storage Area	Eastside GTC	0.3%	54.1%	0.1%	0.3%	41.9%	0.2%	0.1%	1.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.3%	0.0%	100%

Table K4

2015 Fleet Mix By Parking Area

Link (direction) East Side		Light Duty Autos			Light Duty Trucks			Md. Duty trucks		Light Heavy Trucks			Medium heavy truck			HH Truck	Urban Bus	MCY	
		NCAT	CAT	DIESEL	NCAT	CAT	Diesel	NCAT	CAT	NCAT	CAT	Diesel	NCAT	CAT	DIESEL	Diesel	Diesel	All	Total
P1	Eastside GTC	0.2%	54.3%	0.1%	0.2%	42.1%	0.2%	0.0%	1.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.3%	0.0%	100%
P2	Eastside GTC	0.2%	54.3%	0.1%	0.2%	42.1%	0.2%	0.0%	1.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.3%	0.0%	100%
P3	Eastside GTC	0.2%	54.3%	0.1%	0.2%	42.1%	0.2%	0.0%	1.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.3%	0.0%	100%
Surface Parking	Eastside GTC	0.2%	54.3%	0.1%	0.2%	42.1%	0.2%	0.0%	1.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.3%	0.0%	100%
ITC	Eastside GTC	0.2%	54.3%	0.1%	0.2%	42.1%	0.2%	0.0%	1.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.3%	0.0%	100%
West Emp Lot	Eastside GTC	0.2%	54.3%	0.1%	0.2%	42.1%	0.2%	0.0%	1.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.3%	0.0%	100%
CVHA	Eastside GTC	0.2%	54.3%	0.1%	0.2%	42.1%	0.2%	0.0%	1.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.3%	0.0%	100%
Avion/Cent Emp Lot	Eastside GTC	0.2%	54.3%	0.1%	0.2%	42.1%	0.2%	0.0%	1.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.3%	0.0%	100%
RAC Ret/Ready Garage	Eastside GTC	0.2%	54.3%	0.1%	0.2%	42.1%	0.2%	0.0%	1.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.3%	0.0%	100%
RAC QT Area	Eastside GTC	0.2%	54.3%	0.1%	0.2%	42.1%	0.2%	0.0%	1.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.3%	0.0%	100%
RAC Storage Area	Eastside GTC	0.2%	54.3%	0.1%	0.2%	42.1%	0.2%	0.0%	1.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.3%	0.0%	100%

S-4. Supplement to the Air Quality Technical Report

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Attachment L
Off-Airport Roadway VMT and VHT Data

VHT Phase 3I: 2015 Alternative D AM								
		00-10MPH	10-20MPH	20-30MPH	30-40MPH	40-50MPH	50-60MPH	TOTAL
Tier 1								
	Passenger	185	353	541	217	110	27	1,433
	Employee	75	108	168	71	41	24	487
	Cargo / Ancillary	112	183	342	146	65	24	873
	Collateral	270	123	321	46	26	6	792
	Subtotal Airport	641	768	1,372	481	242	81	3,585
	Background	1,951	3,254	6,242	2,530	997	411	15,386
	Total	2,592	4,022	7,615	3,011	1,239	492	18,970
Remaining LA County (Basin)								
	Passenger	385	633	2,250	1,186	706	496	5,656
	Employee	82	160	526	259	147	59	1,232
	Cargo / Ancillary	802	636	1,272	646	450	796	4,601
	Collateral	37	71	203	79	41	30	461
	Subtotal Airport	1,305	1,501	4,251	2,170	1,343	1,381	11,950
	Background	52,732	71,933	215,936	73,381	32,353	22,939	469,272
	Total	54,036	73,434	220,187	75,551	33,696	24,319	481,223
Orange County *								
	Passenger							727
	Employee							171
	Cargo / Ancillary							292
	Collateral							22
	Subtotal Airport							1,212
San Bernardino County *								
	Passenger							67
	Employee							8
	Cargo / Ancillary							267
	Collateral							4
	Subtotal Airport							346
Riverside County *								
	Passenger							120
	Employee							24
	Cargo / Ancillary							53
	Collateral							10
	Subtotal Airport							207
Subtotal SCAB *								
	Passenger							8,004
	Employee							1,922
	Cargo/Ancillary							6,086
	Collateral							1,288
	Subtotal Airport							17,300
	Background							664,661
	Total							687,225
Palmdale/Lancaster								
	Passenger							21
	Employee							0
	Cargo / Ancillary							0
	Collateral							6
	Subtotal Airport							27
Ventura County *								
	Passenger							257
	Employee							11
	Cargo / Ancillary							11
	Collateral							3
	Subtotal Airport							282
Total Model Area *								
	Passenger							8,281
	Employee							1,933
	Cargo / Ancillary							6,097
	Collateral							1,297
	Airport Total							17,608

* Detailed information not available

10701

664331

VHT								
Phase 3I: 2015 Alternative D PM								
		00-10MPH	10-20MPH	20-30MPH	30-40MPH	40-50MPH	50-60MPH	TOTAL
Tier 1	Passenger	139	458	654	187	78	38	1,552
	Employee	24	141	175	63	31	27	461
	Cargo/ Ancillary	44	218	278	114	41	29	723
	Collateral	61	222	343	53	19	8	705
	Subtotal Airport	267	1,039	1,449	416	169	102	3,442
	Background	1,459	5,468	7,686	2,694	746	429	18,481
	Total	1,726	6,507	9,135	3,110	915	531	21,923
Remaining LA County (Basin)								
Passenger	364	983	2,823	1,872	510	164	6,716	
Employee	75	206	593	356	72	16	1,318	
Cargo/ Ancillary	470	616	1,140	867	309	442	3,845	
Collateral	52	126	287	140	38	11	655	
Subtotal Airport	962	1,932	4,842	3,236	930	633	12,534	
Background	51,940	106,583	267,302	95,710	35,695	11,951	569,181	
Total	52,902	108,515	272,144	98,946	36,625	12,584	581,715	
Orange County *								
Passenger							1,284	
Employee							353	
Cargo/ Ancillary							594	
Collateral							43	
Subtotal Airport							2,274	
San Bernardino County *								
Passenger							61	
Employee							8	
Cargo/ Ancillary							185	
Collateral							3	
Subtotal Airport							258	
Riverside County *								
Passenger							187	
Employee							47	
Cargo/ Ancillary							105	
Collateral							21	
Subtotal Airport							361	
Subtotal SCAB *								
Passenger							9,800	
Employee							2,188	
Cargo/Ancillary							5,453	
Collateral							1,428	
Subtotal Airport							18,869	
Background							881,956	
Total							899,761	
Palmdale/Lancaster								
Passenger							23	
Employee							0	
Cargo/ Ancillary							0	
Collateral							7	
Subtotal Airport							30	
Ventura County *								
Passenger							327	
Employee							14	
Cargo/ Ancillary							14	
Collateral							6	
Subtotal Airport							361	
Total Model Area *								
Passenger							10,151	
Employee							2,202	
Cargo/ Ancillary							5,466	
Collateral							1,441	
Airport Total							19,260	

* Detailed information not available

12272

881626

VHT								
Phase 3I: 2015 Alternative D AP								
		00-10MPH	10-20MPH	20-30MPH	30-40MPH	40-50MPH	50-60MPH	TOTAL
Tier 1	Passenger	647	1,084	1,104	250	130	26	3,242
	Employee	101	119	124	33	24	8	409
	Cargo/ Ancillary	169	320	395	86	60	15	1,044
	Collateral	86	118	169	24	7	3	407
	Subtotal Airport	1,003	1,642	1,792	393	220	52	5,102
	Background	2,227	4,648	7,442	1,150	761	385	16,612
	Total	3,230	6,289	9,234	1,543	981	437	21,714
Remaining LA County (Basin)								
Passenger	606	1,138	4,575	3,596	1,238	263	11,416	
Employee	45	89	347	277	56	13	826	
Cargo/ Ancillary	627	420	1,207	1,003	599	349	4,204	
Collateral	15	64	164	85	31	6	365	
Subtotal Airport	1,292	1,711	6,293	4,961	1,924	630	16,811	
Background	51,421	83,970	249,194	86,898	42,693	12,608	526,784	
Total	52,713	85,681	255,487	91,859	44,617	13,238	543,595	
Orange County *								
Passenger							1,442	
Employee							118	
Cargo/ Ancillary							305	
Collateral							24	
Subtotal Airport							1,889	
San Bernardino County *								
Passenger							122	
Employee							5	
Cargo/ Ancillary							242	
Collateral							3	
Subtotal Airport							373	
Riverside County *								
Passenger							230	
Employee							15	
Cargo/ Ancillary							34	
Collateral							13	
Subtotal Airport							292	
Subtotal SCAB *								
Passenger							16,451	
Employee							1,373	
Cargo/Ancillary							5,829	
Collateral							813	
Subtotal Airport							24,467	
Background							719,178	
Total							750,555	
Palmdale/Lancaster								
Passenger							46	
Employee							0	
Cargo/ Ancillary							0	
Collateral							4	
Subtotal Airport							50	
Ventura County *								
Passenger							587	
Employee							9	
Cargo/ Ancillary							16	
Collateral							4	
Subtotal Airport							615	
Total Model Area *								
Passenger							17,084	
Employee							1,383	
Cargo/ Ancillary							5,845	
Collateral							821	
Airport Total							25,132	

* Detailed information not available

15820

718746

VHT							
Phase 3I: 2015 Alt D - 24 hr							
	00-10MPH	10-20MPH	20-30MPH	30-40MPH	40-50MPH	50-60MPH	TOTAL
Tier 1							
Passenger	5,435	10,614	12,877	3,664	1,781	506	34,876
Employee	2,217	4,092	5,188	1,853	1,062	652	15,063
Cargo / Ancillary	2,173	4,831	6,798	2,316	1,114	454	17,685
Collateral	1,665	1,854	3,329	490	207	72	7,619
Subtotal Airport	11,490	21,391	28,193	8,323	4,163	1,684	75,243
Background							0
Total	11,490	21,391	28,193	8,323	4,163	1,684	75,243
Remaining LA County (Basin)							
Passenger	7,588	15,425	54,030	37,264	13,739	5,166	133,211
Employee	2,239	5,055	16,263	9,902	3,057	967	37,483
Cargo / Ancillary	12,721	11,202	24,242	16,857	9,101	10,635	84,758
Collateral	413	1,048	2,616	1,217	438	188	5,921
Subtotal Airport	22,962	32,730	97,150	65,240	26,336	16,956	261,374
Background							0
Total	22,962	32,730	97,150	65,240	26,336	16,956	261,374
Orange County *							
Passenger							19,334
Employee							7,127
Cargo / Ancillary							7,976
Collateral							358
Subtotal Airport							34,796
San Bernardino County *							
Passenger							1,403
Employee							235
Cargo / Ancillary							4,648
Collateral							44
Subtotal Airport							6,330
Background							
Total							
Riverside County *							
Passenger							3,006
Employee							959
Cargo / Ancillary							1,293
Collateral							174
Subtotal Airport							5,432
Subtotal SCAB *							
Passenger							191,830
Employee							60,867
Cargo/Ancillary							116,361
Collateral							14,116
Subtotal Airport							383,175
Background							
Total							383,175
Palmdale/Lancaster							
Passenger							504
Employee							0
Cargo / Ancillary							0
Collateral							70
Subtotal Airport							574
Background							
Total							
Ventura County *							
Passenger							6,554
Employee							378
Cargo / Ancillary							275
Collateral							49
Subtotal Airport							7,257
Total Model Area *							
Passenger							198,888
Employee							61,245
Cargo / Ancillary							116,636
Collateral							14,235
Airport Total							391,005

* Detailed information not available

VMT Phase 3I: 2015 Alternative D - AM								
		00-10MPH	10-20MPH	20-30MPH	30-40MPH	40-50MPH	50-60MPH	TOTAL
Tier 1								
	Passenger	1,056	5,110	13,741	7,302	4,967	1,433	33,609
	Employee	424	1,711	4,198	2,403	1,829	1,273	11,838
	Cargo / Ancillary	677	2,649	8,488	4,887	2,953	1,300	20,954
	Collateral	1,055	1,938	8,165	1,600	1,153	348	14,259
	Subtotal Airport	3,212	11,408	34,592	16,192	10,902	4,354	80,660
	Background	11,622	49,414	158,633	85,563	44,994	22,703	372,929
	Total	14,834	60,822	193,225	101,755	55,896	27,057	453,589
Remaining LA County (Basin)								
	Passenger	2,085	9,960	56,707	41,247	31,097	26,113	167,209
	Employee	432	2,440	12,980	8,967	6,449	3,049	34,317
	Cargo / Ancillary	3,389	9,073	31,259	22,276	20,083	42,029	128,109
	Collateral	192	1,046	4,657	2,749	1,775	1,548	11,967
	Subtotal Airport	6,098	22,519	105,603	75,239	59,404	72,739	341,602
	Background	257,453	1,120,097	5,619,567	2,529,538	1,430,043	1,212,132	12,168,830
	Total	263,551	1,142,616	5,725,170	2,604,777	1,489,447	1,284,871	12,510,432
Orange County *								
	Passenger							30,262
	Employee							7,083
	Cargo / Ancillary							12,047
	Collateral							869
	Subtotal Airport							50,261
San Bernardino County *								
	Passenger							3,240
	Employee							385
	Cargo / Ancillary							14,274
	Collateral							208
	Subtotal Airport							18,107
Riverside County *								
	Passenger							4,502
	Employee							901
	Cargo / Ancillary							2,192
	Collateral							387
	Subtotal Airport							7,982
Subtotal SCAB *								
	Passenger							238,822
	Employee							54,524
	Cargo/Ancillary							177,576
	Collateral							27,690
	Subtotal Airport							498,612
	Background							18,968,625
	Total							19,467,237
Palmdale/Lancaster								
	Passenger							670
	Employee							0
	Cargo / Ancillary							0
	Collateral							203
	Subtotal Airport							873
Ventura County *								
	Passenger							9,088
	Employee							345
	Cargo / Ancillary							354
	Collateral							69
	Subtotal Airport							9,856
Total Model Area *								
	Passenger							248,580
	Employee							54,869
	Cargo / Ancillary							177,930
	Collateral							27,962
	Airport Total							509,341

* Detailed information not available

311336 18959261

VMT Phase 3I: 2015 Alternative D - PM								
		00-10MPH	10-20MPH	20-30MPH	30-40MPH	40-50MPH	50-60MPH	TOTAL
Tier 1								
	Passenger	768	7,272	16,401	6,607	3,415	1,993	36,456
	Employee	161	2,192	4,138	2,169	1,425	1,431	11,516
	Cargo / Ancillary	252	3,432	6,868	3,927	1,827	1,540	17,846
	Collateral	430	3,579	8,809	1,793	852	435	15,898
	Subtotal Airport	1,611	16,475	36,216	14,496	7,519	5,399	81,716
	Background	10,419	86,286	192,043	92,375	33,049	23,780	437,952
	Total	12,030	102,761	228,259	106,871	40,568	29,179	519,668
Remaining LA County (Basin)								
	Passenger	1,985	15,067	71,266	64,093	22,449	8,508	183,368
	Employee	357	3,039	14,684	12,076	3,161	826	34,143
	Cargo / Ancillary	1,900	9,047	28,781	29,722	13,831	23,703	106,984
	Collateral	207	1,810	6,632	4,783	1,687	571	15,690
	Subtotal Airport	4,449	28,963	121,363	110,674	41,128	33,608	340,185
	Background	279,554	1,703,636	6,828,822	3,307,308	1,576,000	634,196	14,329,516
	Total	284,003	1,732,599	6,950,185	3,417,982	1,617,128	667,804	14,669,701
Orange County *								
	Passenger							34,645
	Employee							7,446
	Cargo / Ancillary							12,029
	Collateral							1,456
	Subtotal Airport							55,576
San Bernardino County *								
	Passenger							2,886
	Employee							413
	Cargo / Ancillary							10,079
	Collateral							171
	Subtotal Airport							13,549
Riverside County *								
	Passenger							6,329
	Employee							1,292
	Cargo / Ancillary							3,600
	Collateral							802
	Subtotal Airport							12,023
Subtotal SCAB *								
	Passenger							263,684
	Employee							54,810
	Cargo/Ancillary							150,538
	Collateral							34,017
	Subtotal Airport							503,049
	Background							22,489,430
	Total							22,992,479
Palmdale/Lancaster								
	Passenger							714
	Employee							0
	Cargo / Ancillary							0
	Collateral							234
	Subtotal Airport							948
Ventura County *								
	Passenger							9,870
	Employee							338
	Cargo / Ancillary							323
	Collateral							144
	Subtotal Airport							10,675
Total Model Area *								
	Passenger							274,268
	Employee							55,148
	Cargo / Ancillary							150,861
	Collateral							34,395
	Airport Total							514,672

* Detailed information not available

324728 22480514

VMT Phase 3I: 2015 Alternative D - AP								
		00-10MPH	10-20MPH	20-30MPH	30-40MPH	40-50MPH	50-60MPH	TOTAL
Tier 1								
	Passenger	4,073	16,791	27,101	8,851	5,679	1,392	63,887
	Employee	727	1,726	3,091	1,115	1,082	439	8,180
	Cargo / Ancillary	1,088	4,845	9,743	2,908	2,701	770	22,055
	Collateral	454	1,673	4,301	837	302	180	7,747
	Subtotal Airport	6,342	25,035	44,236	13,711	9,764	2,781	101,869
	Background	13,064	72,702	187,806	39,972	34,783	20,521	368,848
	Total	19,406	97,737	232,042	53,683	44,547	23,302	470,717
Remaining LA County (Basin)								
	Passenger	3,304	18,560	117,378	123,852	54,645	13,756	331,495
	Employee	223	1,353	8,505	9,424	2,453	661	22,619
	Cargo / Ancillary	2,852	6,478	30,886	34,416	27,224	18,742	120,598
	Collateral	58	918	3,663	2,900	1,338	304	9,181
	Subtotal Airport	6,437	27,309	160,432	170,592	85,660	33,463	483,893
	Background	252,102	1,357,175	6,411,086	3,014,452	1,894,050	664,525	13,593,390
	Total	258,539	1,384,484	6,571,518	3,185,044	1,979,710	697,988	14,077,283
Orange County *								
	Passenger							60,927
	Employee							4,932
	Cargo / Ancillary							12,523
	Collateral							944
	Subtotal Airport							79,326
San Bernardino County *								
	Passenger							5,709
	Employee							257
	Cargo / Ancillary							12,844
	Collateral							161
	Subtotal Airport							18,971
Riverside County *								
	Passenger							9,199
	Employee							568
	Cargo / Ancillary							1,401
	Collateral							486
	Subtotal Airport							11,654
Subtotal SCAB *								
	Passenger							471,217
	Employee							36,556
	Cargo/Ancillary							169,421
	Collateral							18,519
	Subtotal Airport							695,713
	Background							20,734,404
	Total							21,430,117
Palmdale/Lancaster								
	Passenger							1,311
	Employee							0
	Cargo / Ancillary							0
	Collateral							118
	Subtotal Airport							1,429
Ventura County *								
	Passenger							17,558
	Employee							231
	Cargo / Ancillary							399
	Collateral							86
	Subtotal Airport							18,274
Total Model Area *								
	Passenger							490,086
	Employee							36,787
	Cargo / Ancillary							169,820
	Collateral							18,723
	Airport Total							715,416

* Detailed information not available

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Phase 3I: 2015 Alt D - 24 hr

* Detailed information not available

VHT							
Phase 3I: 2015 Alternative D AM							
	00-10MPH	10-20MPH	20-30MPH	30-40MPH	40-50MPH	50-60MPH	TOTAL
Tier 1							
Passenger	184	275	537	224	93	35	1,348
Employee	74	109	162	69	36	24	475
Cargo / Ai	124	170	353	138	57	25	866
Collateral	277	121	320	45	25	7	795
Subtotal	660	675	1,372	476	210	91	3,484
Backgrou	1,999	3,254	6,322	2,553	934	448	15,510
Total	2,659	3,929	7,694	3,028	1,144	539	18,994
Remaining LA County (Basin)							
Passenger	393	636	2,237	1,189	706	494	5,654
Employee	82	162	516	257	148	59	1,223
Cargo / Ai	821	630	1,277	624	446	794	4,592
Collateral	37	71	203	79	41	29	461
Subtotal	1,334	1,499	4,233	2,149	1,340	1,376	11,931
Backgrou	54,603	71,742	214,827	75,612	31,302	22,673	470,757
Total	55,937	73,241	219,060	77,761	32,641	24,048	482,688
Orange County *							
Passenger							726
Employee							170
Cargo / Ancillary							302
Collateral							22
Subtotal Airport							1,220
San Bernardino County *							
Passenger							65
Employee							7
Cargo / Ancillary							257
Collateral							4
Subtotal Airport							334
Riverside County *							
Passenger							122
Employee							23
Cargo / Ancillary							66
Collateral							10
Subtotal Airport							221
Subtotal SCAB *							
Passenger							7,916
Employee							1,899
Cargo/Ancillary							6,084
Collateral							1,291
Subtotal Airport							17,189
Background							664,655
Total							689,007
Palmdale/Lancaster							
Passenger							20
Employee							0
Cargo / Ancillary							0
Collateral							6
Subtotal Airport							27
Ventura County *							
Passenger							258
Employee							11
Cargo / Ancillary							11
Collateral							3
Subtotal Airport							283
Total Model Area *							
Passenger							8,194
Employee							1,910
Cargo / Ancillary							6,096
Collateral							1,300
Airport Total							17,499

VHT							
Phase 3I: 2015 Alternative D PM							
	00-10MPH	10-20MPH	20-30MPH	30-40MPH	40-50MPH	50-60MPH	TOTAL
Tier 1							
Passenger	92	420	600	213	75	42	1,442
Employee	21	161	159	55	30	26	454
Cargo/ Ancillary	33	221	277	106	43	27	707
Collateral	62	222	340	54	19	8	705
Subtotal	208	1,024	1,376	428	167	103	3,307
Background	1,432	5,521	7,705	2,718	781	441	18,598
Total	1,641	6,545	9,081	3,146	948	544	21,906
Remaining LA County (Basin)							
Passenger	362	1,014	2,815	1,868	513	158	6,730
Employee	75	214	591	354	72	15	1,322
Cargo/ Ancillary	459	591	1,176	857	299	442	3,823
Collateral	53	128	288	140	37	11	657
Subtotal	949	1,947	4,870	3,219	922	626	12,533
Background	55,645	106,095	270,919	95,543	35,933	12,012	576,146
Total	56,594	108,041	275,789	98,762	36,855	12,638	588,679
Orange County *							
Passenger							1,272
Employee							351
Cargo/ Ancillary							602
Collateral							43
Subtotal Airport							2,268
San Bernardino County *							
Passenger							60
Employee							8
Cargo/ Ancillary							177
Collateral							3
Subtotal Airport							249
Riverside County *							
Passenger							191
Employee							51
Cargo/ Ancillary							123
Collateral							21
Subtotal Airport							386
Subtotal SCAB *							
Passenger							9,695
Employee							2,186
Cargo/ Ancillary							5,432
Collateral							1,430
Subtotal Airport							18,744
Background							881,950
Total							909,122
Palmdale/Lancaster							
Passenger							23
Employee							0
Cargo/ Ancillary							0
Collateral							7
Subtotal Airport							31
Ventura County *							
Passenger							331
Employee							14
Cargo/ Ancillary							14
Collateral							6
Subtotal Airport							365
Total Model Area *							
Passenger							10,050
Employee							2,200
Cargo/ Ancillary							5,446
Collateral							1,444
Airport Total							19,139

VHT Phase 3I: 2015 Alt D - 24 hr							
	00-10MPH	10-20MPH	20-30MPH	30-40MPH	40-50MPH	50-60MPH	TOTAL
Tier 1							
Passenger	3,820	9,823	12,423	4,080	1,534	612	32,291
Employee	2,185	4,278	4,979	1,763	955	656	14,816
Cargo / Ancillary	2,028	4,727	6,886	2,267	998	457	17,362
Collateral	1,702	1,818	3,308	508	203	71	7,610
Subtotal Airport	9,735	20,646	27,596	8,618	3,689	1,796	72,080
Background							0
Total	9,735	20,646	27,596	8,618	3,689	1,796	72,080
Remaining LA County (Basin)							
Passenger	7,456	15,677	54,202	36,974	13,852	5,125	133,285
Employee	2,211	5,173	16,207	9,805	3,062	957	37,415
Cargo / Ancillary	12,469	11,156	24,460	16,681	8,947	10,622	84,336
Collateral	418	1,057	2,617	1,213	436	187	5,928
Subtotal Airport	22,555	33,063	97,486	64,673	26,296	16,891	260,963
Background							0
Total	22,555	33,063	97,486	64,673	26,296	16,891	260,963
Orange County *							
Passenger							19,328
Employee							7,094
Cargo / Ancillary							8,198
Collateral							360
Subtotal Airport							34,980
San Bernardino County *							
Passenger							1,388
Employee							234
Cargo / Ancillary							4,464
Collateral							43
Subtotal Airport							6,129
Background							
Total							
Riverside County *							
Passenger							3,044
Employee							996
Cargo / Ancillary							1,588
Collateral							177
Subtotal Airport							5,805
Subtotal SCAB *							
Passenger							189,336
Employee							60,555
Cargo/Ancillary							115,948
Collateral							14,118
Subtotal Airport							379,957
Background							
Total							379,957
Palmdale/Lancaster							
Passenger							501
Employee							0
Cargo / Ancillary							0
Collateral							70
Subtotal Airport							571
Background							
Total							
Ventura County *							
Passenger							6,618
Employee							379
Cargo / Ancillary							277
Collateral							50
Subtotal Airport							7,324
Total Model Area *							
Passenger							196,454
Employee							60,935
Cargo / Ancillary							116,224
Collateral							14,239
Airport Total							387,852

* Detailed information not available

Phase 3I: 2015 Alternative D - AM

* Detailed information not available

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VMT Phase 3I: 2015 Alternative D - PM								
		00-10MPH	10-20MPH	20-30MPH	30-40MPH	40-50MPH	50-60MPH	TOTAL
Tier 1								
	Passenger	641	6,619	14,893	7,496	3,344	2,217	35,210
	Employee	147	2,582	3,839	1,919	1,370	1,399	11,256
	Cargo / Ancillary	211	3,469	6,815	3,685	1,892	1,461	17,533
	Collateral	434	3,612	8,771	1,848	864	403	15,932
	Subtotal Airport	1,433	16,282	34,318	14,948	7,470	5,480	79,931
	Background	10,209	86,530	191,794	94,099	34,598	24,465	441,695
	Total	11,642	102,812	226,112	109,047	42,068	29,945	521,626
Remaining LA County (Basin)								
	Passenger	1,952	15,610	71,157	63,875	22,529	8,221	183,344
	Employee	359	3,187	14,677	12,009	3,160	784	34,176
	Cargo / Ancillary	1,893	8,615	29,533	29,331	13,338	23,672	106,382
	Collateral	204	1,835	6,676	4,766	1,638	567	15,686
	Subtotal Airport	4,408	29,247	122,043	109,981	40,665	33,244	339,588
	Background	287,760	1,689,120	6,905,397	3,296,504	1,581,522	637,453	14,397,756
	Total	292,168	1,718,367	7,027,440	3,406,485	1,622,187	670,697	14,737,344
Orange County *								
	Passenger							34,798
	Employee							7,471
	Cargo / Ancillary							12,536
	Collateral							1,469
	Subtotal Airport							56,274
San Bernardino County *								
	Passenger							2,804
	Employee							416
	Cargo / Ancillary							9,661
	Collateral							160
	Subtotal Airport							13,041
Riverside County *								
	Passenger							6,532
	Employee							1,396
	Cargo / Ancillary							4,300
	Collateral							817
	Subtotal Airport							13,045
Subtotal SCAB *								
	Passenger							262,688
	Employee							54,715
	Cargo/Ancillary							150,412
	Collateral							34,064
	Subtotal Airport							501,879
	Background							22,489,372
	Total							22,991,251
Palmdale/Lancaster								
	Passenger							729
	Employee							0
	Cargo / Ancillary							0
	Collateral							235
	Subtotal Airport							964
Ventura County *								
	Passenger							9,875
	Employee							338
	Cargo / Ancillary							323
	Collateral							143
	Subtotal Airport							10,679
Total Model Area *								
	Passenger							273,292
	Employee							55,053
	Cargo / Ancillary							150,735
	Collateral							34,442
	Airport Total							513,522

* Detailed information not available

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VMT								
Phase 3I: 2015 Alternative D - AP								
		00-10MPH	10-20MPH	20-30MPH	30-40MPH	40-50MPH	50-60MPH	TOTAL
Tier 1	Passenger	2,744	16,177	26,331	10,266	4,707	1,699	61,924
	Employee	744	1,677	3,132	1,200	951	448	8,152
	Cargo / Ancillary	1,002	4,750	9,734	3,283	2,300	848	21,917
	Collateral	471	1,598	4,235	987	266	178	7,735
	Subtotal Airport	4,961	24,202	43,432	15,736	8,224	3,173	99,728
	Background	12,637	72,106	175,440	52,416	35,187	21,362	369,148
	Total	17,598	96,308	218,872	68,152	43,411	24,535	468,876
Remaining LA County (Basin)								
Passenger	3,224	18,712	118,753	122,102	55,267	13,798	331,856	
Employee	216	1,359	8,673	9,266	2,439	652	22,605	
Cargo / Ancillary	2,659	6,722	30,615	34,643	26,797	18,773	120,209	
Collateral	62	916	3,661	2,886	1,343	307	9,175	
Subtotal Airport	6,161	27,709	161,702	168,897	85,846	33,530	483,845	
Background	259,519	1,356,635	6,363,490	3,052,514	1,879,057	682,746	13,593,961	
Total	265,680	1,384,344	6,525,192	3,221,411	1,964,903	716,276	14,077,806	
Orange County *								
Passenger							61,052	
Employee							4,951	
Cargo / Ancillary							13,106	
Collateral							955	
Subtotal Airport							80,064	
San Bernardino County *								
Passenger							5,782	
Employee							255	
Cargo / Ancillary							12,337	
Collateral							164	
Subtotal Airport							18,538	
Riverside County *								
Passenger							9,245	
Employee							580	
Cargo / Ancillary							2,025	
Collateral							493	
Subtotal Airport							12,343	
Subtotal SCAB *								
Passenger							469,859	
Employee							36,543	
Cargo/Ancillary							169,594	
Collateral							18,522	
Subtotal Airport							694,518	
Background							20,734,344	
Total							21,428,862	
Palmdale/Lancaster								
Passenger							1,316	
Employee							0	
Cargo / Ancillary							0	
Collateral							120	
Subtotal Airport							1,436	
Ventura County *								
Passenger							17,557	
Employee							227	
Cargo / Ancillary							401	
Collateral							84	
Subtotal Airport							18,269	
Total Model Area *								
Passenger							488,732	
Employee							36,770	
Cargo / Ancillary							169,995	
Collateral							18,726	
Airport Total							714,223	

* Detailed information not available

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VMT								
Phase 3I: 2015 Alt D - 24 hr								
		00-10MPH	10-20MPH	20-30MPH	30-40MPH	40-50MPH	50-60MPH	TOTAL
Tier 1	Passenger	25,850	151,116	306,320	142,022	68,802	32,553	726,662
	Employee	14,652	66,467	121,900	60,262	43,867	35,209	342,357
	Cargo / Ancillary	13,266	72,427	168,753	77,673	45,513	24,428	402,060
	Collateral	7,964	28,664	84,692	17,528	9,100	3,816	151,764
	Subtotal Airport	61,732	318,674	681,665	297,485	167,282	96,006	1,622,843
	Background							0
	Total	61,732	318,674	681,665	297,485	167,282	96,006	1,622,843
Remaining LA County (Basin)	Passenger	40,802	248,399	1,379,498	1,272,690	609,773	268,733	3,819,894
	Employee	11,189	78,066	400,799	334,798	133,866	49,706	1,008,424
	Cargo / Ancillary	53,580	162,890	613,325	572,173	402,101	565,473	2,369,542
	Collateral	1,856	15,164	59,856	41,584	19,048	9,652	147,160
	Subtotal Airport	107,426	504,520	2,453,478	2,221,245	1,164,787	893,564	7,345,020
	Background							0
	Total	107,426	504,520	2,453,478	2,221,245	1,164,787	893,564	7,345,020
Orange County *	Passenger							706,636
	Employee							215,951
	Cargo / Ancillary							255,980
	Collateral							13,192
	Subtotal Airport							1,191,759
	Background							0
San Bernardino County *	Passenger							65,649
	Employee							11,644
	Cargo / Ancillary							239,626
	Collateral							2,108
	Subtotal Airport							319,026
	Background							0
Riverside County *	Passenger							114,162
	Employee							31,813
	Cargo / Ancillary							61,205
	Collateral							6,812
	Subtotal Airport							213,991
	Background							0
Subtotal SCAB *	Passenger							5,433,002
	Employee							1,610,188
	Cargo/Ancillary							3,328,413
	Collateral							321,036
	Subtotal Airport							10,692,639
	Background							0
Palmdale/Lancaster	Passenger							15,159
	Employee							0
	Cargo / Ancillary							0
	Collateral							2,232
	Subtotal Airport							17,391
	Background							0
Ventura County *	Passenger							204,506
	Employee							10,068
	Cargo / Ancillary							7,209
	Collateral							1,184
	Subtotal Airport							222,967
	Background							0
Total Model Area *	Passenger							5,652,668
	Employee							1,620,256
	Cargo / Ancillary							3,335,622
	Collateral							324,452
	Airport Total							10,932,998
	Background							0

* Detailed information not available

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Attachment M
Runway/Taxiway/Queue/Gate Assignments

Table M1

Aircraft Runway/Taxiway/Gate Assignments Year 2000

	North Runway	Taxiway ¹	Taxiway ²	Taxiway ³	Gate	South Runway	Taxiway ¹	Taxiway ²	Taxiway ³	Gate
Passenger Aircraft										
319	24L	U (East)	-	-	T2	25R	J (East)	-	-	T7
320	24L	U (East)	-	-	T2	25R	J (East)	-	-	T5
330	-	-	-	-	-	25R	J (East)	-	-	TBIT-S
340	-	-	-	-	-	25R	J (East)	-	-	TBIT-S
727	24L	U (East)	-	-	TBIT-N	25R	J (East)	-	-	T5
737	24L	U (East)	-	-	T2	-	-	-	-	-
733	24L	U (East)	-	-	T1	25R	J (East)	-	-	T8
734	24L	U (East)	-	-	T3	25R	J (East)	-	-	T7
735	24L	U (East)	-	-	T2	25R	J (East)	-	-	T7
738	24L	U (East)	-	-	T3	25R	J (East)	-	-	T4
74M	-	-	-	-	-	25R	J (East)	-	-	T6
747	24L	U (East)	-	-	TBIT-N	25R	J (East)	-	-	TBIT-S
744	24L	U (East)	U (Ctr)	U (West)	IWP	25R	J (East)	-	-	TBIT-S
757	24L	U (East)	-	-	T2	25R	J (East)	-	-	T6
767	24L	U (East)	-	-	T2	25R	J (East)	-	-	T4
763	24L	U (East)	-	-	T3	25R	J (East)	-	-	T7
777	24L	U (East)	-	-	T3	25R	J (East)	-	-	T6
D10	24L	U (East)	U (Ctr)	U (West)	IWP	25R	J (East)	-	-	T6
DC9	24L	U (East)	-	-	T3	25R	J (East)	-	-	T5
EM2	24L	U (East)	49	J (East)	T7	25R	J (East)	-	-	T8
F28	24L	U (East)	-	-	T3	-	-	-	-	-
100	24L	U (East)	-	-	T3	25R	J (East)	-	-	T4
GAJ	-	-	-	-	-	25L	F (East)	-	-	GA1
CNA	-	-	-	-	-	25R	J (East)	J (West)	-	GA2
L10	24L	U (East)	-	-	T3	25R	J (East)	-	-	T6
M11	24L	U (East)	-	-	TBIT-N	25R	J (East)	-	-	TBIT-S
M80	24L	U (East)	-	-	T3	25R	J (East)	-	-	T4
M90	24L	U (East)	49	-	T4	25R	J (East)	-	-	T4
SF3	24L	U (East)	49	J (East)	UZ	25R	J (East)	-	-	UZ
Cargo Aircraft										
AB6	-	-	-	-	-	25L	-	-	-	CA1
300	-	-	-	-	-	25L	-	-	-	CA2
310	-	-	-	-	-	25L	F (East)	-	-	CA3
727	-	-	-	-	-	25L	-	-	-	CA1
747	-	-	-	-	-	25L	-	-	-	CA2
744	-	-	-	-	-	25L	F (East)	-	-	CA3
757	-	-	-	-	-	25L	-	-	-	CA1
767	-	-	-	-	-	25L	-	-	-	CA2
D10	-	-	-	-	-	25L	F (East)	-	-	CA3
DC8	-	-	-	-	-	25L	-	-	-	CA1

S-4. Supplemental Air Quality Technical Report

Table M1

Aircraft Runway/Taxiway/Gate Assignments Year 2000

	North Runway	Taxiway ¹	Taxiway ²	Taxiway ³	Gate	South Runway	Taxiway ¹	Taxiway ²	Taxiway ³	Gate
DC9	-	-	-	-	-	25L	-	-	-	CA2
CNA	-	-	-	-	-	25L	F (East)	-	-	CA3
M11	-	-	-	-	-	25L	-	-	-	CA1
SWM	-	-	-	-	-	25L	-	-	-	CA2

Source: Camp Dresser & McKee Inc., 2003

Table M2

**Aircraft Runway/Taxiway/Gate Assignments
Alternative D - 2013/2015**

	North Runway	Taxiway ¹	Taxiway ²	Taxiway ³	Gate	South Runway	Taxiway ¹	Taxiway 2	Taxiway 3	Gate
Passenger Aircraft										
100	24L	U (Ctr)	U (East)	-	T10N	25R	J (East)	49	-	T10C
310	24L	-	-	-	-	25R	J (East)	-	-	T10S
319	24L	U (East)	-	-	New (West)	25R	J (East)	-	-	TBIT-S
320	24L	U (Ctr)	U (East)	-	T10N	25R	J (East)	-	-	TBIT-S
330	24L	U (East)	-	-	New (West)	25R	J (East)	-	-	T10S
340	24L	U (Ctr)	U (East)	-	T10N	25R	J (East)	-	-	TBIT-S
733	24L	J (East)	48	U (East)	T4	25R	J (East)	-	-	T7
734	24L	J (East)	48	U (East)	T4	25R	J (East)	-	-	T7
735	24L	J (East)	48	U (East)	T4	25R	J (East)	-	-	T7
73S	24L	48	U (East)	-	TBIT-S	25R	J (East)	-	-	T7
744	24L	U (East)	-	-	New (West)	25R	J (East)	-	-	TBIT-S
747	24L	U (East)	-	-	New (West)	25R	J (East)	-	-	TBIT-S
74M	24L	U (East)	-	-	New (West)	25R	J (East)	-	-	T10S
74X	24L	U (East)	-	-	New (West)	-	-	-	-	-
757	24L	48	U (East)	-	T10S	25R	J (East)	-	-	T6
763	24L	48	U (East)	-	T10S	25R	J (East)	-	-	T6
767	24L	48	U (East)	-	T10S	25R	J (East)	-	-	T6
777	24L	U (East)	-	-	New (Ctr)	25R	J (East)	-	-	T10S
AB3	24L	U (East)	-	-	New (Ctr)	25R	J (East)	-	-	T10S
AT7	24L	75	U (East)	-	T10C	25R	J (East)	-	-	T8
ATR	24L	75	U (East)	-	T10C	25R	J (East)	-	-	T8
BE1	24L	75	U (East)	-	T10C	25R	J (East)	-	-	T8
C50	24L	75	U (East)	-	T10C	25R	J (East)	-	-	T8
C70	24L	75	U (East)	-	T10C	-	-	-	-	-
CNA	-	-	-	-	-	25L	F (East)	-	-	GA
DS7	24L	75	U (East)	-	T10C	25R	J (East)	-	-	T8
EM2	24L	75	U (East)	-	T10C	25R	J (East)	-	-	T8
EMB	24L	75	U (East)	-	T10C	25R	J (East)	-	-	T8
F50	24L	75	U (East)	-	T10C	25R	J (East)	-	-	T8
F70	24L	75	U (East)	-	T10C	25R	J (East)	-	-	T8
GAJ	-	-	-	-	-	25L	F (East)	-	-	GA
J31	24L	75	U (East)	-	T10C	25R	J (East)	-	-	T8
M11	24L	U (East)	-	-	New (West)	25R	J (East)	-	-	TBIT-S
M80	24L	U (East)	-	-	NC	25R	J (East)	-	-	T10S
M87	24L	U (East)	-	-	New (West)	-	-	-	-	-
M90	24L	U (Ctr)	U (East)	-	T10N	25R	J (East)	-	-	T5
M95	24L	U (Ctr)	U (East)	-	T10N	25R	J (East)	-	-	T5
S20	24L	75	U (East)	-	T10C	25R	J (East)	-	-	T8
S36	24L	75	U (East)	-	T10C	25R	J (East)	-	-	T8
SF3	24L	75	U (East)	-	T10C	25R	J (East)	-	-	T8

S-4. Supplemental Air Quality Technical Report

Table M2

**Aircraft Runway/Taxiway/Gate Assignments
Alternative D - 2013/2015**

	North Runway	Taxiway ¹	Taxiway ²	Taxiway ³	Gate	South Runway	Taxiway ¹	Taxiway 2	Taxiway 3	Gate
SWM	24L	75	U (East)	-	T10C	25R	J (East)	-	-	T8
Cargo Aircraft										
300	-	-	-	-	-	25L	F (East)	-	-	CA3
310	-	-	-	-	-	25L	-	-	-	CA2
737	24L	U (East)	49	J(East)	CA2	25L	-	-	-	CA2
744	24L	U (East)	49	J(East)	CA2	25L	F (East)	-	-	CA3
747	24L	U (East)	49	J(East)	CA2	25L	-	-	-	CA2
757	-	-	-	-	-	25L	-	-	-	CA3
767	-	-	-	-	-	25L	F (East)	-	-	CA3
BE1	-	-	-	-	-	25L	F (East)	-	-	CA3
CNA	24L	U (East)	49	J(East)	CA2	25L	-	-	-	CA2
D10	-	-	-	-	-	25L	-	-	-	CA2
M11	24L	U (East)	49	J(East)	CA2	25L	F (East)	-	-	CA3

Source: Camp Dresser & McKee Inc., 2003

Attachment N
Incremental Emissions by Alternative and Year

Table N1																									
Estimated Annual Missions Comparison Alternative D Unmitigated vs. No Action/No Project for 2015 (tons/year)																									
Source Classification	NO _x					HC					CO					SO ₂					PM10				
	Alt. D 78.8 MAP TPY	%	NA/NP 78.8 MAP TPY	%	Increase/ Decrease Alt. D vs NA/NP 0.0 TPY	Alt. D 78.8 MAP TPY	%	NA/NP 78.8 MAP TPY	%	Increase/ Decrease Alt. D vs NA/NP 0.0 TPY	Alt. D 78.8 MAP TPY	%	NA/NP 78.8 MAP TPY	%	Increase/ Decrease Alt. D vs NA/NP 0.0 TPY	Alt. D 78.8 MAP TPY	%	NA/NP 78.8 MAP TPY	%	Increase/ Decrease Alt. D vs NA/NP 0.0 TPY	Alt. D 78.8 MAP TPY	%	NA/NP 78.8 MAP TPY	%	Increase/ Decrease Alt. D vs A/NP 0.0 TPY
MOBILE SOURCES:																									
<u>Aircraft Operations</u>																									
Approach	580.4	10.1	576.7	9.2	3.7	16.3	1.0	16.7	0.9	-0.5	146.3	1.5	151.0	1.0	-4.7	29.9	12.1	30.2	12.0	-0.2	7.3	3.9	12.3	7.2	-5.0
Climbout	1844.3	32.1	1806.1	28.8	38.2	9.8	0.6	10.3	0.6	-0.4	43.3	0.4	45.0	0.3	-1.8	40.4	16.4	40.1	15.9	0.3	17.3	9.3	17.5	10.3	-0.1
Takeoff	1743.4	30.3	1708.4	27.2	35.1	7.8	0.5	8.2	0.5	-0.3	27.9	0.3	29.1	0.2	-1.2	30.3	12.3	30.1	11.9	0.2	15.2	8.1	15.3	9.0	-0.1
Taxi	659.2	11.5	723.3	11.5	-64.1	707.6	43.5	794.9	44.8	-87.3	3956.6	41.0	4381.6	30.4	-425.0	80.9	32.8	89.9	35.7	-9.2	14.6	7.8	17.8	10.5	-3.2
Queue	344.3	6.0	340.4	5.4	3.9	369.6	22.7	374.1	21.1	-4.5	2066.6	21.4	2061.9	14.3	4.7	42.3	17.2	42.3	16.8	-0.1	7.6	4.1	7.4	4.4	0.2
Aircraft Operations Subtotal	5171.7	90.0	5154.9	82.1	16.8	1111.2	68.4	1204.1	67.8	-93.0	6240.7	64.6	6668.7	46.3	-428.0	223.7	90.8	232.5	92.3	-9.0	62.0	33.1	70.2	41.3	-8.2
<u>Aircraft Support</u>																									
GSE	135.5	2.4	618.7	9.9	-618.7	88.1	5.4	240.4	13.5	-240.4	1523.2	15.8	5685.9	39.4	-5685.9	1.4	0.6	11.4	4.5	-11.4	30.8	16.5	24.0	14.1	-24.0
APU	56.0	1.0	53.8	0.9	2.3	4.4	0.3	4.4	0.2	0.0	97.8	1.0	98.7	0.7	-0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Aircraft Support Subtotal	191.5	3.3	672.5	10.7	-616.5	92.5	5.7	244.8	13.8	-240.4	1621.0	16.8	5784.6	40.1	-5686.8	1.4	0.6	11.4	4.5	-11.4	30.8	16.5	24.0	14.1	-24.0
<u>On-Airport Traffic</u>																									
<u>CTA Area</u>																									
Traffic	23.4	0.4	160.3	2.6	-143.1	60.0	3.7	117.9	6.6	-69.2	223.2	2.3	1209.8	8.4	-1047.9	2.2	0.9	1.7	0.7	-0.4	10.4	5.6	33.0	19.4	-25.6
Parking	0.0	0.0	28.1	0.4	-28.1	0.0	0.0	65.2	3.7	-65.2	0.0	0.0	262.2	1.8	-262.2	0.0	0.0	0.2	0.1	-0.2	0.0	0.0	0.7	0.4	-0.7
CTA Area Subtotal	23.4	0.4	188.4	3.0	-171.2	60.0	3.7	183.1	10.3	-134.3	223.2	2.3	1472.0	10.2	-1310.1	2.2	0.9	1.8	0.7	-0.6	10.4	5.6	33.7	19.8	-26.3
<u>GTC Area</u>																									
Traffic	38.1	0.7	0.0	0.0	39.2	86.9	5.4	0.0	0.0	94.7	406.5	4.2	0.0	0.0	416.2	5.0	2.0	0.0	0.0	5.2	17.5	9.4	0.0	0.0	18.1
Parking	67.0	1.2	0.0	0.0	51.1	174.8	10.8	0.0	0.0	141.9	772.8	8.0	0.0	0.0	553.8	6.9	2.8	0.0	0.0	6.4	27.3	14.6	0.0	0.0	25.8
GTC Area Subtotal	105.1	1.8	0.0	0.0	90.3	261.8	16.1	0.0	0.0	236.6	1179.3	12.2	0.0	0.0	970.0	12.0	4.9	0.0	0.0	11.5	44.8	23.9	0.0	0.0	43.9
<u>Miscellaneous On-Airport Traffic</u>																									
Cargo/Ancillary	15.5	0.3	46.8	0.7	-31.3	44.5	2.7	48.6	2.7	-4.1	204.8	2.1	302.9	2.1	-98.1	0.3	0.1	0.3	0.1	0.0	8.4	4.5	4.7	2.8	3.7
Acquisition Areas					0.0					0.0					0.0					0.0					0.0
LAX Northside/Continental City	6.4	0.1	6.4	0.1	0.0	3.8	0.2	3.8	0.2	0.0	69.1	0.7	69.1	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.5	0.0
Westchester Southside	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Miscellaneous On-Airport Traffic	21.8	0.4	53.2	0.8	-31.3	48.4	3.0	52.4	3.0	-4.1	273.9	2.8	372.0	2.6	-98.1	0.3	0.1	0.3	0.1	0.0	0.0	0.0	5.6	3.3	3.7
On-Airport Traffic Subtotal	150.3	2.6	241.5	3.8	-112.2	370.1	22.8	235.5	13.3	98.2	1676.4	17.4	1844.0	12.8	-438.3	14.5	5.9	2.1	0.8	10.9	55.3	29.5	39.2	23.1	21.3
									0.0					0.0											0.0
MOBILE SUBTOTAL (LAX Local Area)	5513.5	95.9	6068.9	96.7	-711.9	1573.8	96.9	1684.4	94.9	-235.2	9538.1	98.7	14297.3	99.2	-6553.0	239.7	97.3	246.0	97.7	-9.5	148.0	79.1	133.4	78.5	-72.9
STATIONARY:																									
<u>Airport</u>																									
Airline Maintenance	18.2	0.3	20.3	0.3	-2.1	19.4	1.2	21.7	1.2	-2.3	14.8	0.2	16.5	0.1	-1.7	0.2	0.1	0.2	0.1	0.0	15.2	8.1	16.9	10.0	-1.8
Flight Kitchens	14.6	0.3	11.7	0.2	2.8	6.0	0.4	4.8	0.3	1.2	13.5	0.1	10.9	0.1	2.6	0.1	0.0	0.1	0.0	0.0	15.6	8.3	12.6	7.4	3.0
Existing CUP/Boilers/Generators/CTs	39.4	0.7	39.5	0.6	0.0	18.0	1.1	18.0	1.0	0.0	57.9	0.6	57.9	0.4	0.0	0.3	0.1	0.3	0.1	0.0	1.2	0.6	1.2	0.7	0.0
West CUP/CTs	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fuel Farm	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.6	0.3	-4.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Aircraft Fueling	0.0	0.0	0.0	0.0	0.0	0.0	0.0	34.9	2.0	-34.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Restaurants	4.8	0.1	3.8	0.1	0.9	3.3	0.2	2.6	0.1	0.6	8.5	0.1	6.9	0.0	1.7	0.0	0.0	0.0	0.0	0.0	5.9	3.2	4.8	2.8	1.2
Engine Testing	142.8	2.5	121.3	1.9	21.5	3.9	0.2	3.3	0.2	0.6	25.3	0.3	21.5	0.1	3.8	6.1	2.5	5.2	2.0	0.9	1.2	0.6	1.0	0.6	0.2
Airport Subtotal	219.8	3.8	196.7	3.1	23.1	50.6	3.1	89.9	5.1	-39.4	120.0	1.2	113.6	0.8	6.4	6.7	2.7	5.8	2.3	0.9	39.1	20.9	36.5	21.5	2.6

Table N1

Estimated Annual Missions Comparison
Alternative D Unmitigated vs. No Action/No Project for 2015 (tons/year)

Source Classification	NO _x					HC					CO					SO ₂					PM10				
	Alt, D		NA/NP		Increase/ Decrease Alt. D vs NA/NP 0.0 TPY	Alt, D		NA/NP		Increase/ Decrease Alt. D vs NA/NP 0.0 TPY	Alt, D		NA/NP		Increase/ Decrease Alt. D vs NA/NP 0.0 TPY	Alt, D		NA/NP		Increase/ Decrease Alt. D vs NA/NP 0.0 TPY	Alt, D		NA/NP		Increase/ Decrease Alt. D vs NA/NP 0.0 TPY
	78.8 MAP TPY	%	78.8 MAP TPY	%		78.8 MAP TPY	%	78.8 MAP TPY	%		78.8 MAP TPY	%	78.8 MAP TPY	%		78.8 MAP TPY	%	78.8 MAP TPY	%		78.8 MAP TPY	%	78.8 MAP TPY	%	
Collateral/Acquisition Areas (Nat. gas use)																									
Acquisition Areas																									0.0
LAX Northside/Continental City	13.2	0.2	13.2	0.2	0.0	0.6	0.0	0.6	0.0	0.0	2.2	0.0	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Westchester Southside	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Collateral/Acquisition Areas Subtotal	13.2	0.2	13.2	0.2	0.0	0.6	0.0	0.6	0.0	0.0	2.2	0.0	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
STATIONARY SUBTOTAL	233.0	4.1	209.9	3.3	23.1	51.2	3.1	90.5	5.1	-39.4	122.2	1.3	115.8	0.8	6.4	6.7	2.7	5.8	2.3	0.9	39.1	20.9	36.5	21.5	2.6
CONSTRUCTION SUBTOTAL	0.0										0.0														0.0
GRAND TOTAL (LAX Local Area)	5746.5	100	6278.8	100	-688.8	1625.0	100	1775.0	100.0	-274.6	9660.3	100	14413.1	100	-6546.6	246.4	100	251.8	100	-8.6	187.1	100	170.0	100	-70.3

Attachment O
LAX Master Plan Interim Year Emissions

Table O1

LAX Master Plan Interim Year Emissions

	Year 2000	Year 2002	Year 2003	Year 2005	Year 2006	Year 2008	Year 2010	Year 2013	Year 2015
VOC Emissions									
Aircraft Total, tpy	1133.9	1142.7	1147.1	1155.8	1149.8	1137.8	1125.8	1118.1	1095.8
GSE Total, tpy	128.0	177.9	202.9	252.8	228.0	178.3	128.5	4.4	4.3
Stationary Total, tpy	143.4	105.9	87.2	49.8	49.8	50.0	50.2	50.6	50.6
Total MV On Airport, tpy	594.9	535.4	505.7	446.2	434.6	411.3	388.0	238.8	329.8
Construction	0.0	0.0	2.0	226.0	220.0	212.0	173.0	215.0	0.0
Operations Total, tpy	2000.2	1962.0	1944.9	2130.6	2082.2	1989.4	1865.6	1626.9	1480.6
Operations Total, lbs/day	10960.2	10750.6	10656.8	11674.7	11409.5	10900.9	10222.4	8914.5	8112.6
CO Emissions									
Aircraft Total, tpy	4868.8	5315.9	5539.5	5986.6	6007.7	6049.8	6091.9	6274.9	6197.2
GSE Total, tpy	4651.0	5315.2	5647.3	6311.6	5690.0	4446.8	3203.5	97.8	95.5
Stationary Total, tpy	294.1	221.2	184.8	112.0	112.8	114.4	116.0	120.0	120.0
Total MV On Airport, tpy	5697.8	4961.2	4593.0	3856.4	3604.5	3100.5	2596.5	1846.0	1336.6
Construction	0.0	0.0	2.0	592.0	568.0	529.0	291.0	592.0	0.0
Operations Total, tpy	15511.6	15813.6	15966.6	16858.6	15982.9	14240.4	12299.0	8930.8	7749.3
Operations Total, lbs/day	84995.1	86649.9	87488.3	92376.1	87577.5	78029.8	67391.6	48936.0	42461.9
NOX Emissions									
Aircraft Total, tpy	3739.2	4179.5	4399.7	4840.0	4872.0	4935.9	4999.8	5177.7	5159.6
GSE Total, tpy	520.8	573.6	599.9	652.7	592.7	472.9	353.0	56.0	53.4
Stationary Total, tpy	601.0	439.8	359.2	198.1	200.2	204.6	208.9	219.8	219.8
Total MV On Airport, tpy	436.6	416.4	406.3	386.1	359.8	307.2	254.5	152.2	123.0
Construction	0.0	0.0	1.0	1128.0	974.0	845.0	364.0	902.0	0.0
Operations Total, tpy	5297.6	5609.3	5766.2	7204.9	6998.8	6765.5	6180.3	6507.7	5555.8
Operations Total, lbs/day	29027.9	30735.9	31595.4	39478.8	38349.4	37071.4	33864.7	35658.9	30442.5
PM₁₀ Emissions									
Aircraft Total, tpy	51.4	52.7	53.3	54.6	55.2	56.4	57.7	59.5	60.8
GSE Total, tpy	18.7	20.3	21.1	22.6	23.4	25.0	26.6	30.5	30.5
Stationary Total, tpy	53.9	46.0	42.1	34.3	34.8	35.7	36.7	39.1	39.1
Total MV On Airport, tpy	41.5	43.3	44.2	46.0	47.4	50.1	52.9	59.5	59.7
Construction	0.0	0.0	0.0	331.0	201.0	160.0	76.0	274.0	0.0
Operations Total, tpy	165.5	162.3	160.7	488.5	361.8	327.3	249.8	462.6	190.1
Operations Total, lbs/day	906.7	889.3	880.5	2676.8	1982.3	1793.3	1368.8	2534.7	1041.6
SO_x Emissions									
Aircraft Total, tpy	166.6	184.4	193.3	211.1	212.3	214.6	217.0	224.5	222.8
GSE Total, tpy	12.7	12.4	12.3	12.1	10.9	8.4	6.0	0.0	0.0
Stationary Total, tpy	7.1	6.6	6.3	5.7	5.8	6.0	6.2	6.7	6.7
Total MV On Airport, tpy	1.9	2.4	2.6	3.1	4.1	6.1	8.1	13.1	13.1
Construction	0.0	0.0	0.0	3.0	3.0	3.0	1.0	3.0	0.0
Operations Total, tpy	188.3	205.8	214.5	235.0	236.1	238.2	238.3	247.2	242.6
Operations Total, lbs/day	1031.7	1127.5	1175.4	1287.7	1293.5	1305.1	1305.8	1354.7	1329.4

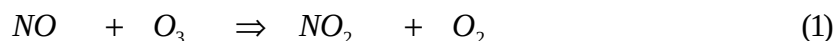
S-4. Supplemental Air Quality Technical Report

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Attachment P
Supplemental Air Dispersion Modeling

NO₂ CONCENTRATION ESTIMATION BY OZONE-LIMIT-METHOD (OLM)

The EPA Ozone-Limited-Method (OLM)¹ was applied to estimate NO₂ ambient concentrations for Alternative D for 2015. The OLM assumes that when the O₃ concentration is less than the NO_x concentration in ambient air, the amount of NO₂ formed by the chemical reaction (equation (1)) is limited by the O₃ concentration as shown below in equation (2). Whereas, if the O₃ concentration is greater than or equal to the NO_x concentration in ambient air, all of the NO is assumed to be converted to NO₂². Therefore, only under the latter circumstance would the ambient NO₂ concentration be assumed equal to the NO_x concentration.



$$[NO_2] = \{(0.1) \times [NO_x]_{Pred}\} + MIN\{(0.9) \times [NO_x]_{Pred}, \text{or } (46/48) \times [O_3]_{Bkgd}\} \quad (2)$$

where

- [NO₂] is the predicted NO₂ concentration (hourly or annual)
- [NO_x]_{pred} is the model predicted NO_x concentration
- MIN means the minimum of the two quantities within the brackets
- [O₃]_{bkgd} is the representative ambient O₃ concentration
- (46/48) is the molecular weight of NO₂ divided by the molecular weight of O₃

USEPA incorporated the OLM into the older ISCST2 model to create an ISC-OLM model (version 96113), which is able to perform a tier 3 screening level analysis to predict hourly NO₂ concentrations at individual receptor locations. For this analysis, the USEPA's ISC-OLM has been modified to incorporate the current ISCST3 model (version 02035) algorithms, allowing the use of model input files already created for this Draft Supplemental EIS/EIR, as well as utilizing the most recent regulatory dispersion model results. Test runs using each of the different models versions with the identical input files showed the differences between the results are at 10⁻⁵ microgram/m³, or less than 1% variation for this application.

In addition to the hourly meteorological data normally required for ISCST3, the model requires representative hourly O₃ concentrations, along with a file of concurrent, representative hourly meteorological data. The same meteorological data used in the air quality analysis presented in Section 4.6 of this Supplement to the Draft EIS/EIR, and detailed in Section 4.6, Air Quality, of the Draft EIS/EIR was used for the ISC-OLM model. The South Coast Air Quality Management District (SCAQMD) provide one year of hourly ozone data for use with this project. The same meteorological data and ozone data files were used for all alternative/year combinations modeled for this analysis.

¹ U.S. Environmental Protection Agency, Office of Air Quality Planning and Standards, ISC-OLM, <http://www.epa.gov/scram001/tt25.htm>, Accessed March 2003

² U.S. Environmental Protection Agency, Office of Air Quality Planning and Standards, Use of the Ozone Limiting Method for Estimating Nitrogen Dioxide Concentrations, Draft. <http://www.epa.gov/ttn/scram> Accessed, March 2003.

Results and Conclusions

The modeling results are presented in Table 1 below and are included in the results tables presented in Section 4.6, *Air Quality*, of this Supplement to the Draft EIS/EIR. The highest 1-hour average NO₂ concentration is estimated at 337 µg/m³. Normally, when dispersion model is utilized to estimate a pollutant concentration, the background ambient concentration is added to the modeled result to get the actual pollutant ambient concentration. However, since monitored O₃ ambient concentrations were used in OLM, which already includes O₃ background concentration and impacts to NO₂ formation, the modeled NO₂ concentrations were assumed as the actual NO₂ ambient concentrations.

Uncertainties

The NO₂ prediction by ISC3-OLM modeling is highly dependent on the data availability, specifically the hourly O₃, NO_x concentration, and met data. Both the O₃, and met data are available from SCAQMD's Hawthorne monitoring station. The ISCST3 dispersion model is normally used to predict NO_x concentrations. Therefore, it is practical to apply the ISC-OLM model to predict the current and the past NO₂ concentrations. However, to predict the future NO₂ hourly concentrations may have some uncertainties due to the unavailability of the representative O₃ hourly data for the future year and the concurrent met data. To implement the ISC3-OLM analysis for year 2015 NO₂ prediction, the forecast NO_x concentration results for Alternative D in 2015 were used as the input. Although this application may cause some uncertainties, it still might be more accurate than the direct application of NO_x concentrations as the NO₂ concentrations because of the following reasons:

- ◆ When comparing the two items in the "MIN" bracket of equations (1) above, a significant portion of NO_x concentrations predicted for the year 2015 are higher than the current O₃ ambient data, which means the lower O₃ data would be utilized for the NO₂ estimation, as shown in Table 1 below. As a result, lower NO₂ concentrations were calculated than the simply use of NO_x concentrations which would result in an overestimation..
- ◆ According to AQMP report, the peak O₃ concentration is predicted decreasing in the future (approximately by 20%) for LA area, as shown in Table 2 below. If it is assumed that the hourly O₃ data has the same trend with the peak O₃ concentration in the future, the future O₃ concentration would be lower than the current O₃ concentration as applied in the analysis. Therefore, the estimation using current O₃ data would not underestimate the NO₂ concentration prediction for the year 2015, and probably is even conservative.

Table 1

Representative Monitoring O₃ Concentration(1999 Hawthorne) vs Modeled NO_x Concentrations(2015)

Unit:µg/m ³	Modeled 1-hr 1st-high NO _x multiplied by 0.9	Monitored hourly O ₃ Multiplied by (46/48)
Average	995.63	103.52
Max	4459.36	328.57
Min	137.50	20.54

Table 2

Peak Ozone Concentrations With Implementation of the 1997 AQMP Control Strategy.

O₃ concentrations µg/m³

Year	August 1987	June 1987	July 1987	September 1987
2000	14.77	14.61	12.07	13.73
2007	12.78	13.66	11.38	11.51
2010	11.35	11.77	9.96	10.34
2020	11.62	12.16	10.26	10.39

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Attachment Q
Supplemental NO_x to NO₂ Analysis

CONVERSION OF HOURLY NO_x ESTIMATES TO 1-HOUR NO_x CONCENTRATIONS³

The primary emission models used to develop air pollutant emission inventories for LAX Master Plan alternatives provide the oxides of nitrogen (NO_x) values as total NO_x (the sum of nitric oxide (NO) and nitrogen dioxide (NO₂)). However, the California Ambient Air Quality Standards (CAAQS) only provide a concentration limit for NO₂, averaged over 1-hour periods. The typical approach to predicting 1-hour NO_x concentrations to 1-hour NO₂ concentrations is to assume a 1-to-1 conversion ratio for all hours. As shown in Figure P-1, this approach provides very conservative results especially when the NO_x concentrations are relatively high (above 200 parts per billion by volume, ppbv). Two sets of data are included in Figure P-1: (1) three years of hourly monitored data collected at the South Coast Air Quality Management District (SCAQMD) Monitoring Station No. 094 (Durkee 2003), and (2) seven months of hourly monitored data collected at LAX, downwind of Runway 25R (AeroVironment 1998).

It has also been shown that the peak hourly modeled NO_x concentrations for existing conditions, when compared to corresponding measured data collected at LAX are overpredicted by at least an order of magnitude (Pehrson, et al. 2001). The combination of modeling overpredictions and the assumption that all 1-hour NO_x concentrations are equal to the 1-hour NO₂ concentrations could lead to the conclusion that the 1-hour NO₂ CAAQS is currently being exceeded. However, no measured data near the airport, or anywhere else in the South Coast Air Quality Management District (SCAQMD) indicates violations of the 1-hour NO₂ CAAQS.

To provide a more realistic estimate of the 1-hour NO₂ concentrations, the equation presented in Figure P-1 is used to determine the NO₂-to-NO_x (NO₂/NO_x) ratio. This ratio is based on the predicted hourly NO_x concentration and will be different for each hour analyzed in the dispersion model. The hourly NO_x concentrations are multiplied by the corresponding hourly NO₂/NO_x ratio. The peak NO₂ concentration is then added to the background concentration for comparison to the CAAQS.

Methodologies and associated conclusions used to calculate 1-hour NO₂ concentrations are based on an approach that is awaiting approval from AQMD. Using the previous approach as presented in the Draft EIS/EIR, 1-hour NO₂ concentrations would be significant.

³ Durkee, K. (SCAQMD), Personal communication to J. Pehrson (CDM), 3/9/03, re: ftp://ftp.aqmd.gov/pub/rw/scaqmd_hawt.xls. Pehrson, J.R., R.A. Diaz, W. Guo, and V.R. Tino, 2001. Comparison of Modeled to Monitored Air Pollutant Concentrations at a U.S. Airport, Paper No. 157, Air & Waste Management Association, Annual Meeting, Orlando, FL. June 2001.

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