

## Appendix C-3

- Alternative 2 Operation Emission Inventory
  - Regional Emission Calculation Worksheets
  - EMFAC2007 Emission Rate Sheets
    - El Dorado County (Transit Bus)
- Alternative 2 Greenhouse Gas Emission Inventory
  - Greenhouse Gas Calculation Worksheets

### Operation Transit Bus Additions (EMFAC2007)

<u>Pollutant</u>	<u>Speed</u>	<u>E.F.</u>	<u>Trips</u>	<u>Emissions</u>
VOC	25	1.982	4	7.928
CO	25	10.847	4	43.388
NOx	25	14.277	4	57.108
SO2	25	0.019	4	0.076
PM10	25	0.231	4	0.924
Gas	25	11.988	4	47.952
Diesel	25	3.786	4	15.144

**Operational Greenhouse Gas Emissions**  
(metric tons)

**Alternative 2 (TRANSIT)**

<b>Emission Source</b>	<b>CO<sub>2</sub>E</b>
On Road Mobile Sources <sup>a</sup>	-
On-Road Mobile Sources <sup>b</sup>	2.63
<b>Total increase</b>	<b>2.63</b>
2004 Statewide Total <sup>b</sup>	364,000,000
<b>Percent of 2004 Statewide Total</b>	<b>0.000001%</b>

<sup>a</sup> Mobile source values were derived using EMFAC2007 emission factors.

<sup>b</sup> Statewide totals were derived from the California Energy Commission:

<http://www.energy.ca.gov/2006publications/CEC-600-2006-013/CEC-600-2006-013->

Sources: PCR Services Corporation, 2007.