



# Alaska Mobile & Stationary Source Emissions Projects

Alaska Regional Haze  
Technical Analysis Meeting  
April 27, 2005

# Mobile/Point Source projects – Alaska focus

- ⇒ ENVIRON project to estimate mobile emissions
  - Trains
  - Ships (near and in-port)
  - Mobile6 (on-road emissions model)
  - NONROAD2004 (off-road emissions model)
  - Planes (in mixing layer) by Sierra, already discussed
- ⇒ ERG/ENVIRON projects to look at point sources
  - <http://www.wrapair.org/forums/ssjf/bartsources.html>
  - <http://www.wrapair.org/forums/ssjf/documents/eictts/index.html>

# Alaska Mobile Source Emissions

- ⇒ Base year (2002) and future years (2008, 2013, 2018)
- ⇒ Annual and seasonal average day emissions for each year
- ⇒ Emissions by borough

# **Alaska On-Road Mobile Source Emissions**

- ⇒ **Emission factors from MOBILE6**
- ⇒ **MOBILE6 inputs from EPA NEI2002/NMIM database, with updates from Alaska DEC**
- ⇒ **Vehicle miles traveled data from EPA NEI2002/NMIM, with updates from Alaska DEC**

# Alaska Non-Road Mobile Source Emissions

## ⇒ Traditional non-road sources

- Emission factors, federal controls, and growth factors from EPA NONROAD model
- Updated modeling inputs from Alaska DEQ

## ⇒ Aircraft emissions

- Sierra Research – 2002 commercial and general aviation
- ENVIRON to project 2002 emissions to future years using FAA landing and take-off (LTO) projections

## ⇒ Locomotive

- Very small amount of locomotive emissions based on NEI2002 estimates

## ⇒ Commercial marine vessels (CMV)

- CMV emissions estimated for CMV in and near four Alaska ports

# Point Sources

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