Greenhouse Gas Emissions Inventory

SamTrans Board Meeting
January 12, 2011

Overview

- Greenhouse Gas (GHG) Emissions Inventory Purpose
- Greenhouse Gas (GHG) Emissions Inventory Definition
- Results
- Next Steps
GHG Inventory Purpose

- Fulfills part of APTA Sustainability Commitment
  - Basic requirement
  - Platform for recognition program: seeking bronze

- Serves as major initiative under sustainability program
  - Quantifies GHG generating activities
  - Baseline for understanding

- Informs our internal GHG emissions efforts

- Communicates transit’s role in reducing GHGs

- Positions us for new funding opportunities

Greenhouse Gases

- Carbon Dioxide
- Nitrous Oxide
- Methane
- Hydrofluoro-carbons
- Perfluoro-carbons
- Sulfur Hexafluoride
GHG Inventory

- Measures amount & sources of emissions
- For SamTrans...2005-2009
- Stable, largest difference between years is 3%

Fleet Emissions by Trend
SamTrans is a Net GHG Reducer

Source: Calculated using APTA Recommended Practice for Quantifying Emissions from Transit

Total metric tons: 33,173

Sources of Emissions
Strategies and Tactics to Help Reduce Emissions

• PG&E audits and implementation of recommendations
• Fleet, fuel mix and ZEB demonstration
• Regional climate solution partner
• Stakeholder role in regional planning
• Industry leader within APTA

Summary & Next Steps

• Pursuing opportunities to reduce GHGs
• Continuing to measure and track GHGs
• Continuing to participate with APTA
• Continuing to participate in regional planning efforts