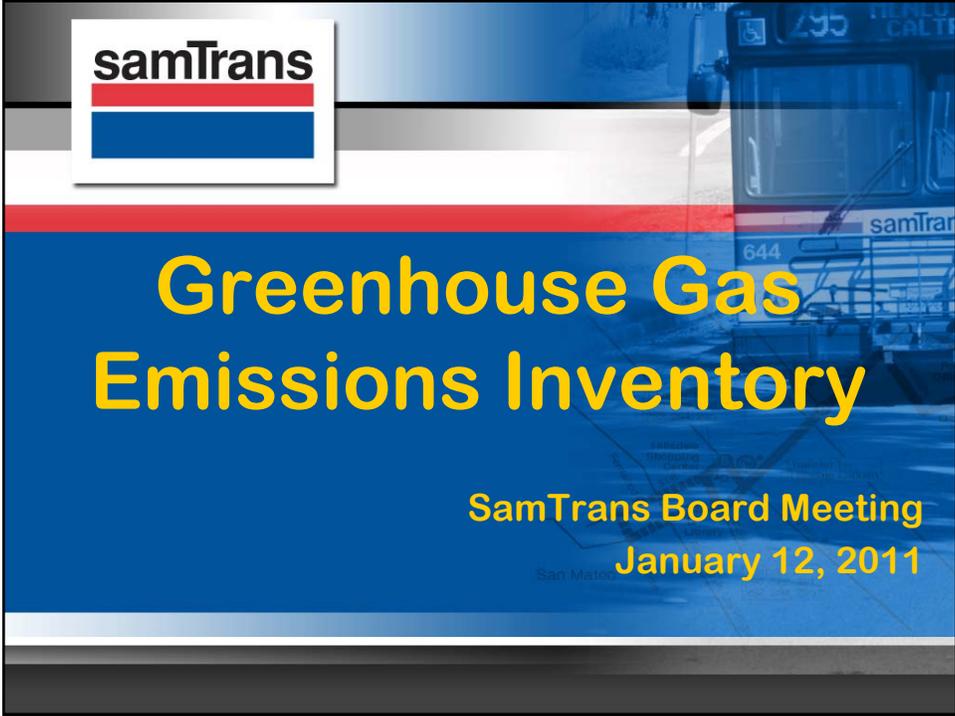




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# Greenhouse Gas Emissions Inventory

SamTrans Board Meeting  
January 12, 2011

## Overview



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

## GHG Inventory Purpose

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- **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

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Carbon  
Dioxide

Nitrous  
Oxide

Methane

Hydrofluoro  
-carbons

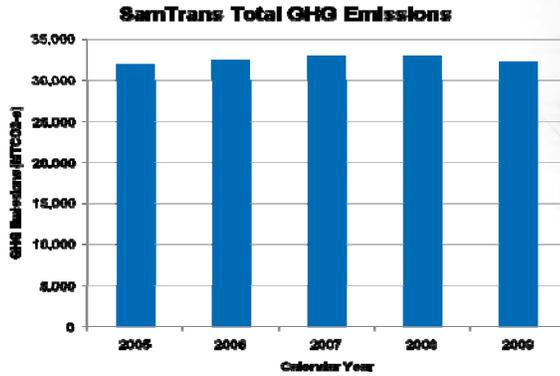
Perfluor-  
carbons

Sulfur  
Hexafluoride

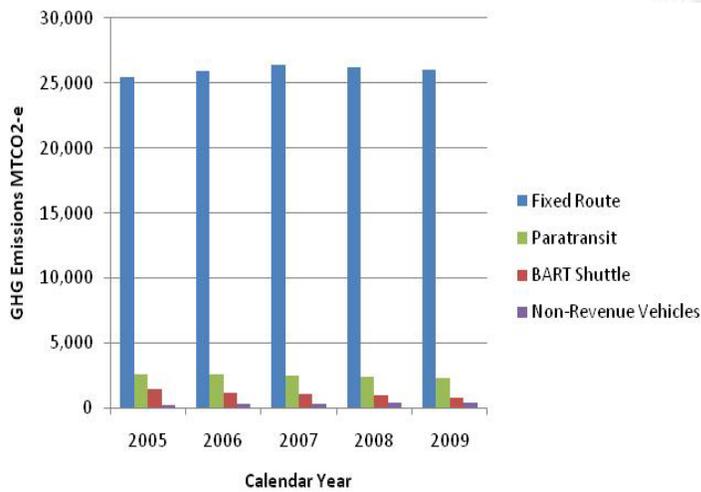
# GHG Inventory



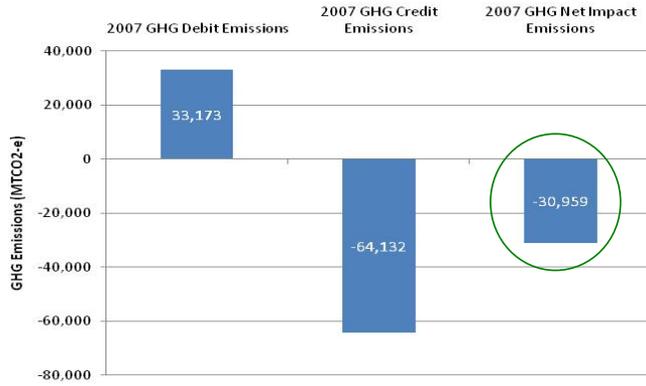
- Measures amount & sources of emissions
- For SamTrans...2005-2009
- Stable, largest difference between years is 3%



# Fleet Emissions by Trend



# SamTrans is a Net GHG Reducer

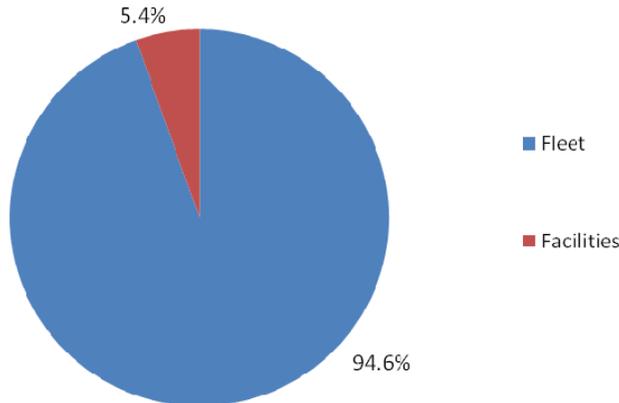


Source: Calculated using APTA Recommended Practice for Quantifying Emissions from Transit

# Sources of Emissions



Total metric tons: 33,173



## Strategies and Tactics to Help Reduce Emissions

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- 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

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