



**V**ermont

*Governor's Commission on Climate Change*



# Energy Supply and Demand Technical Work Group Teleconference Meeting #2

November 28, 2006



**VERMONT**  
ENVIRONMENTAL CONSERVATION



CENTER FOR CLIMATE STRATEGIES

# Today's Agenda

- Call to order, roll call, and approval of prior meeting summary
- Review of Plenary Group decisions relevant to the Energy Supply and Demand TWG
- Review and discussion of the Catalog of State Actions
- Discussion of next steps toward identifying and prioritizing options for analysis
- Continue discussion of the Vermont Emissions Inventory & Forecast Agenda,
- Date and time for next meeting
- Call to the public
- Announcements

# Review of Plenary Group Meeting #2 (November 8)

- Group discusses Plenary Group outcomes for ESD TWG.
  - Approval of catalog of actions
  - Discussion of inventory and forecast

# Catalog of State Actions

- Refer to Catalog of State Actions
  - Revised by the TWG on October 10, 2006
  - Discussed by Plenary Group on November 8, 2006
  - Additions included in November 28, 2006 revision

# Procedure for ballots

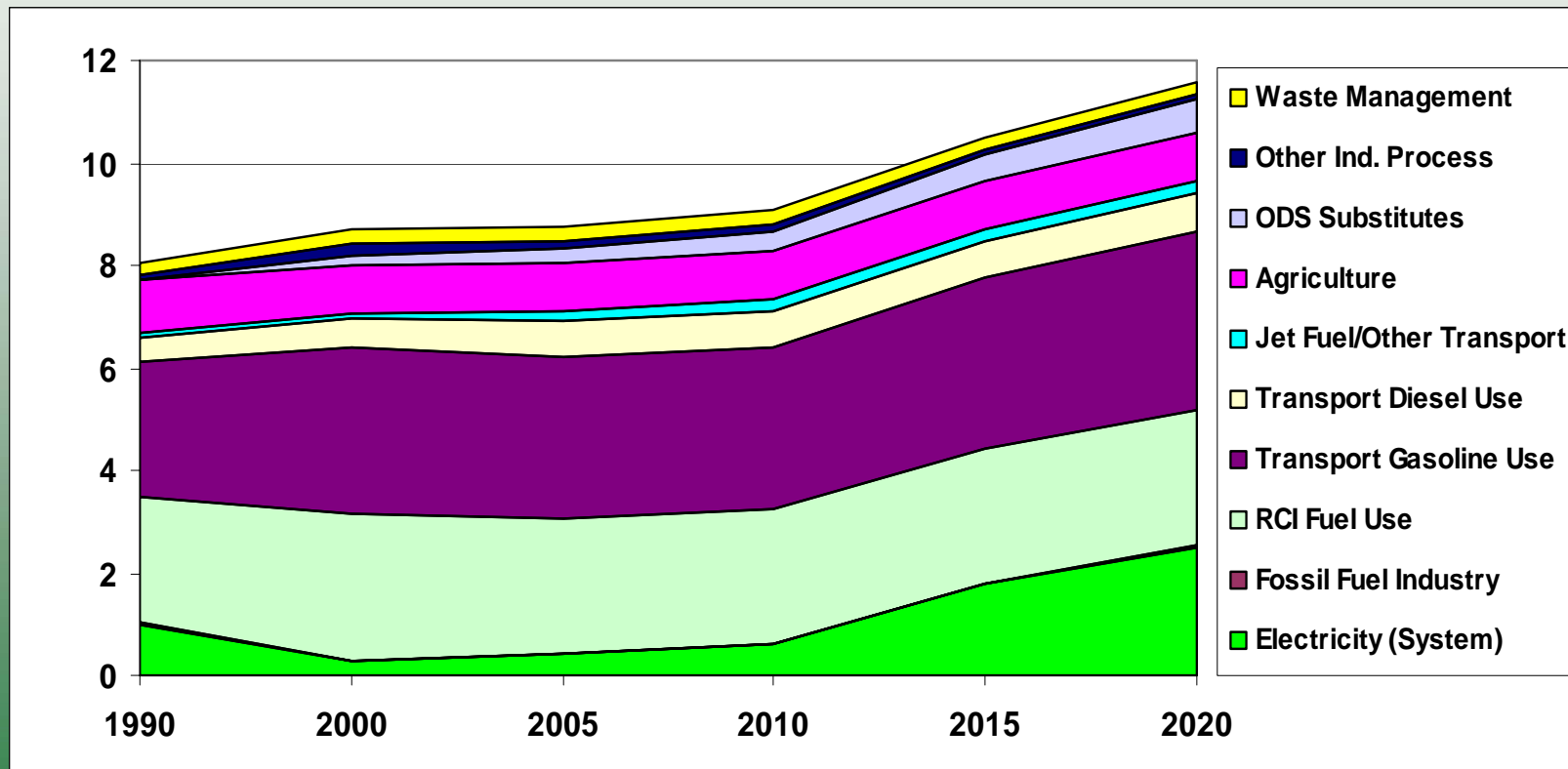
- Approach for identifying initial “priorities for analysis” by TWG voting:
  - Email ballot will be sent out by CCS to TWG members
  - One vote per option (i.e., no “stacking” of votes)
  - 10 votes total per person to be cast prior to next call
  - Include any comments (e.g. consolidation of options) with your votes as needed
  - Return to Sivan Kartha [skartha@sei-us.org](mailto:skartha@sei-us.org)
  - Sivan will aggregate results for discussion at next TWG call
  - Recommendations for next Plenary (January 18, 2007)

# Vermont Inventory and Forecast

- Report to be revised as per Plenary Group and DEC feedback and distributed to TWGs for comments

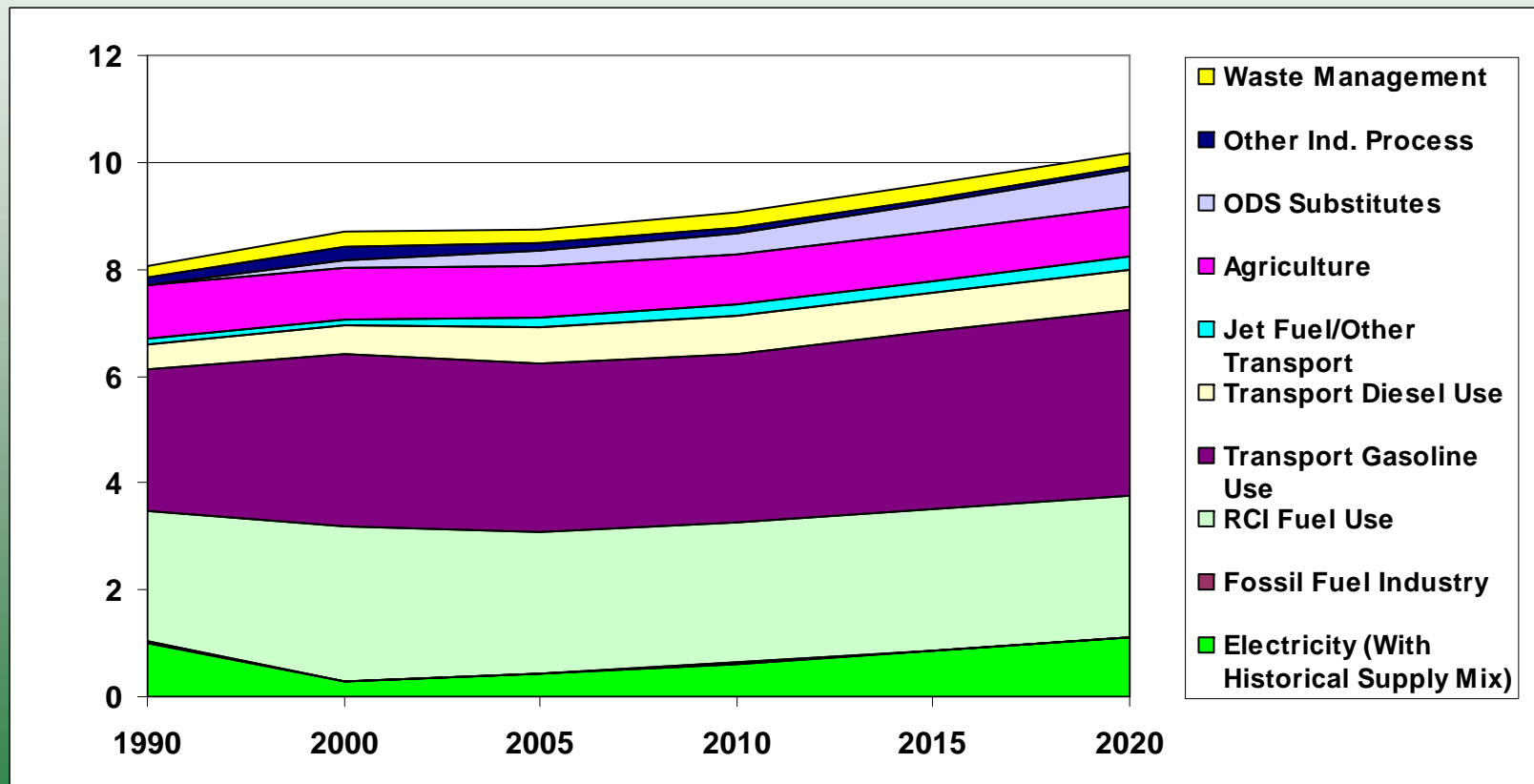
# Gross GHG Emissions By Sector, 1990-2020

With System Average Electricity Forecast

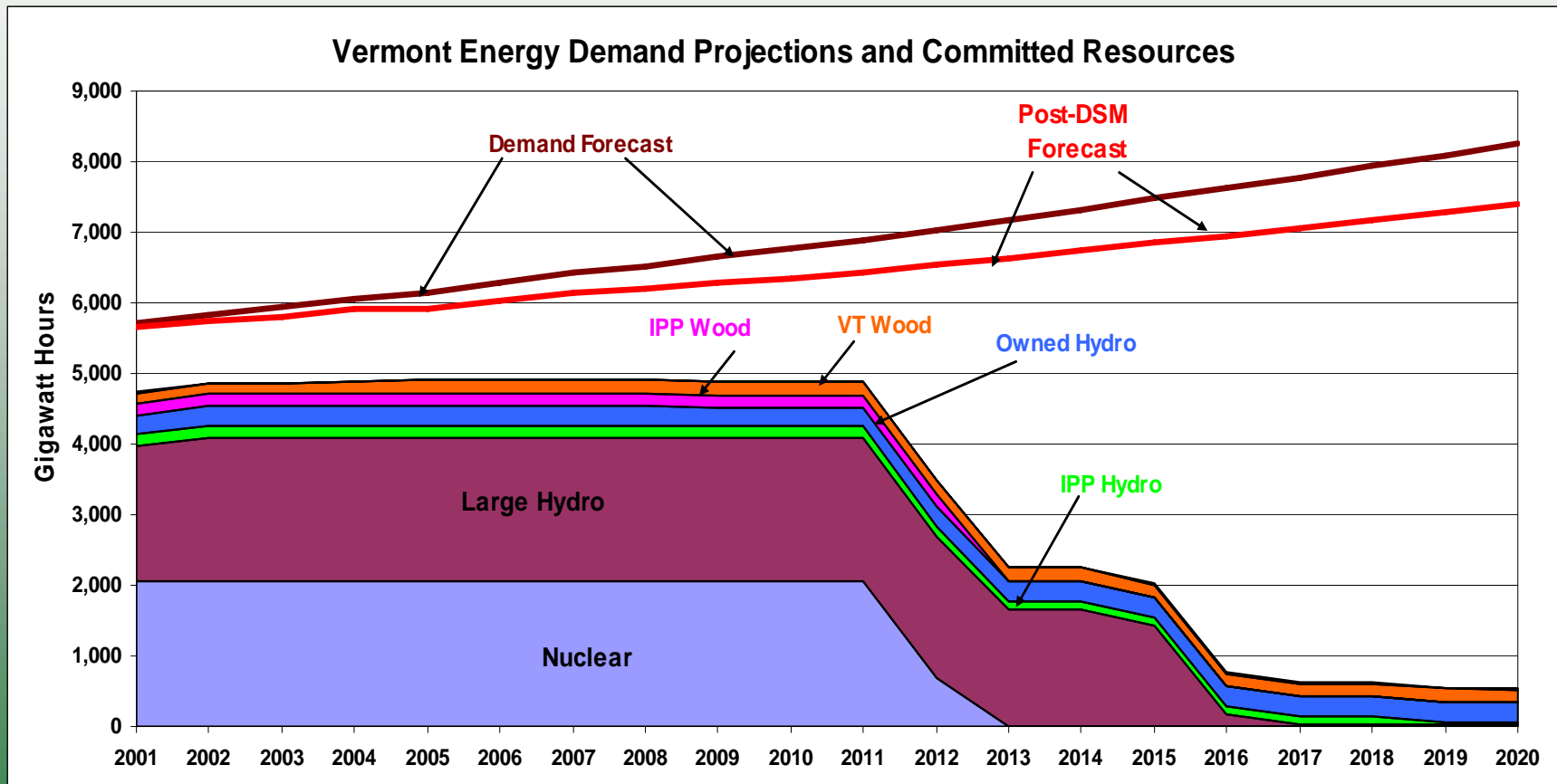


# Gross GHG Emissions By Sector, 1990-2020

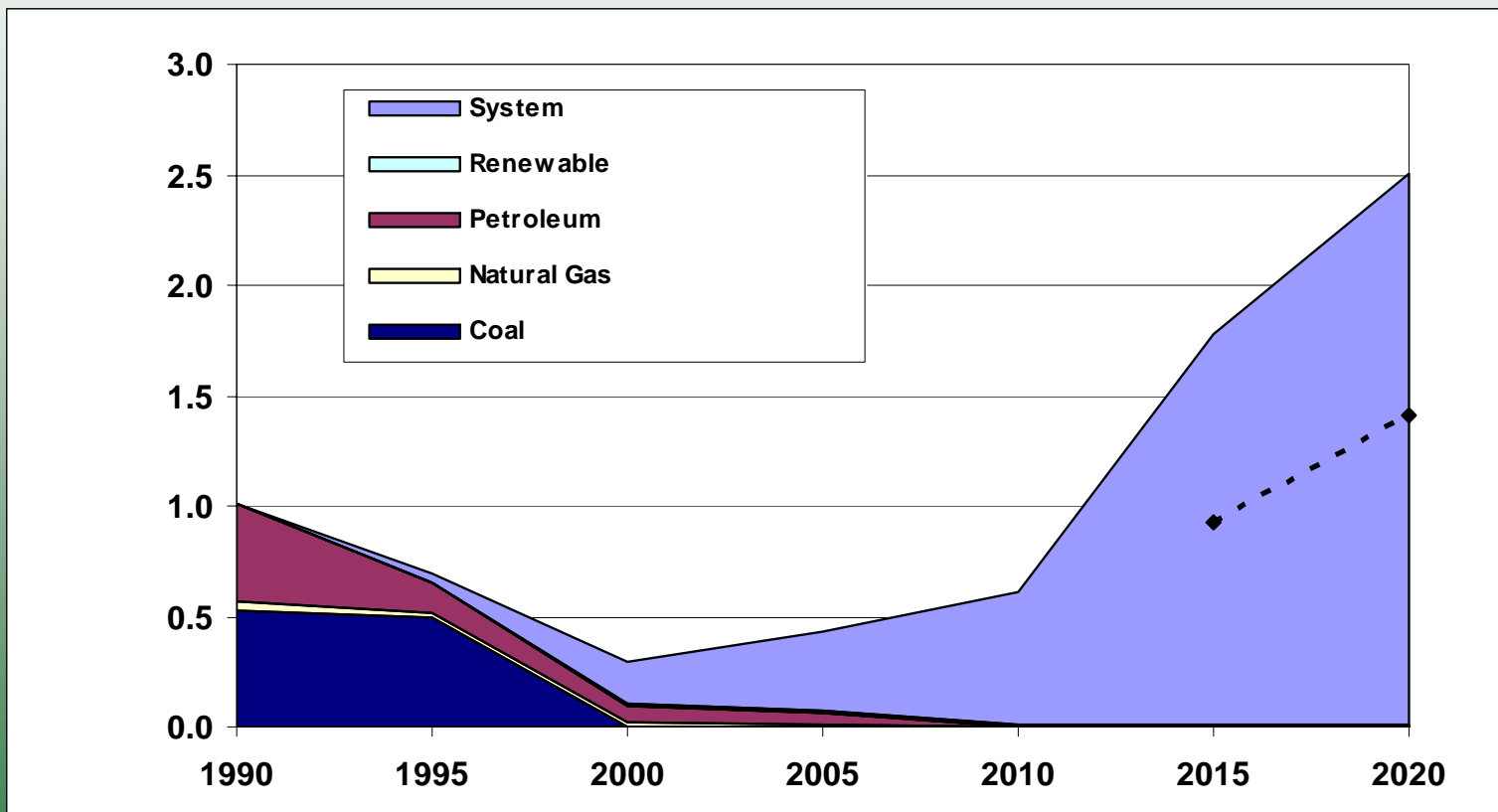
With Hypothetical Historical Electricity Mix Forecast



# Electricity



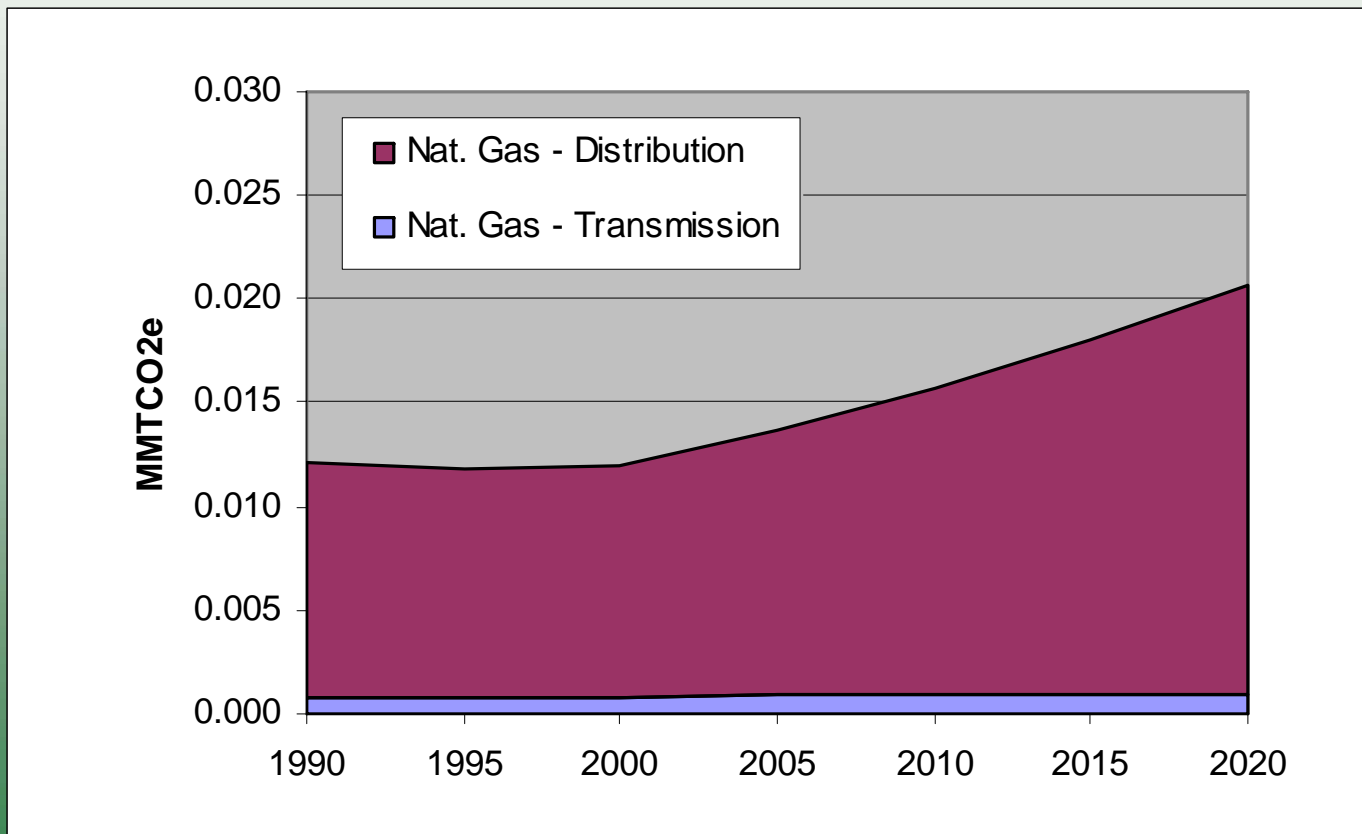
# Electricity (Consumption Based)



# Electricity

- Revisions
  - Historical data:
    - New VT DPS data
    - Production and consumption-based estimates
    - In-state and imported energy consumption by fuel type
    - System purchases (fuel type unknown)
  - Forecast data:
    - New VT DPS data
    - Production and consumption-based estimates
    - Without DSM = 2.0% annual growth
    - With DSM = 1.5% annual growth
  - Key Forecast Issues:
    - Assumptions about replacement power (system average or historical mix)
    - Possible changes in fuel system mix going forward

# Natural Gas Transmission and Distribution



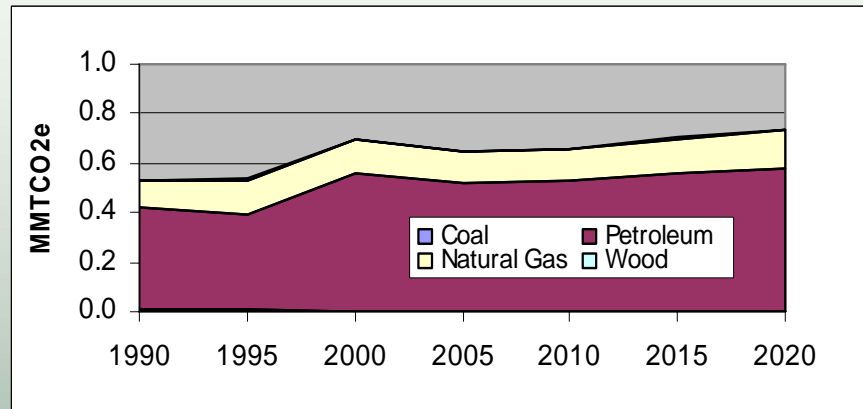
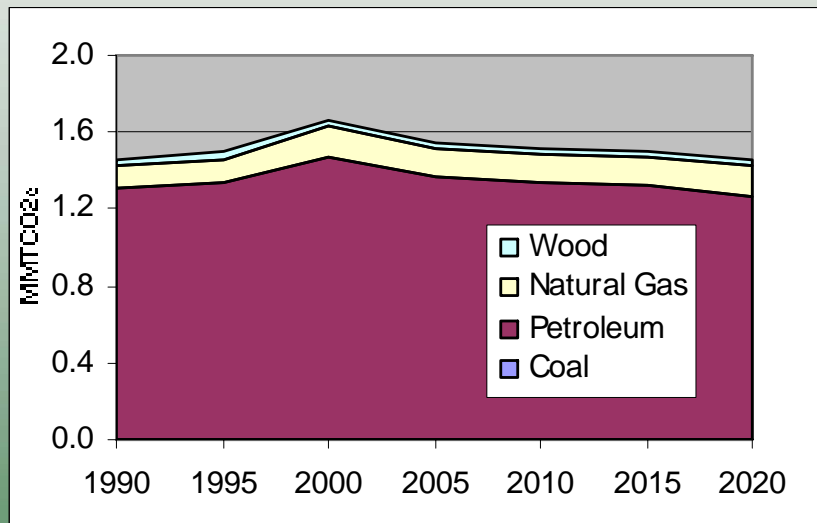
# Natural Gas Transmission and Distribution

- Revisions
  - Growth assumptions
    - Transmission pipeline system: 1% annual
    - Previous preliminary estimate held emissions constant at 2005 levels

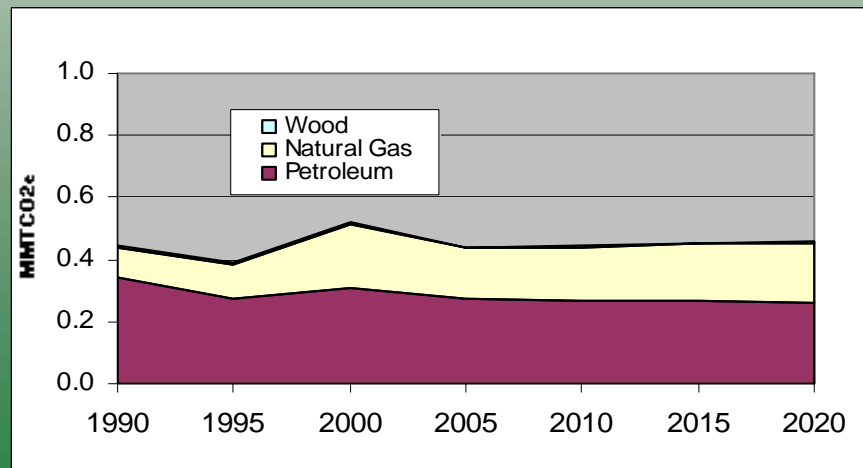
# RCI

## Commercial Sector

## Residential Sector



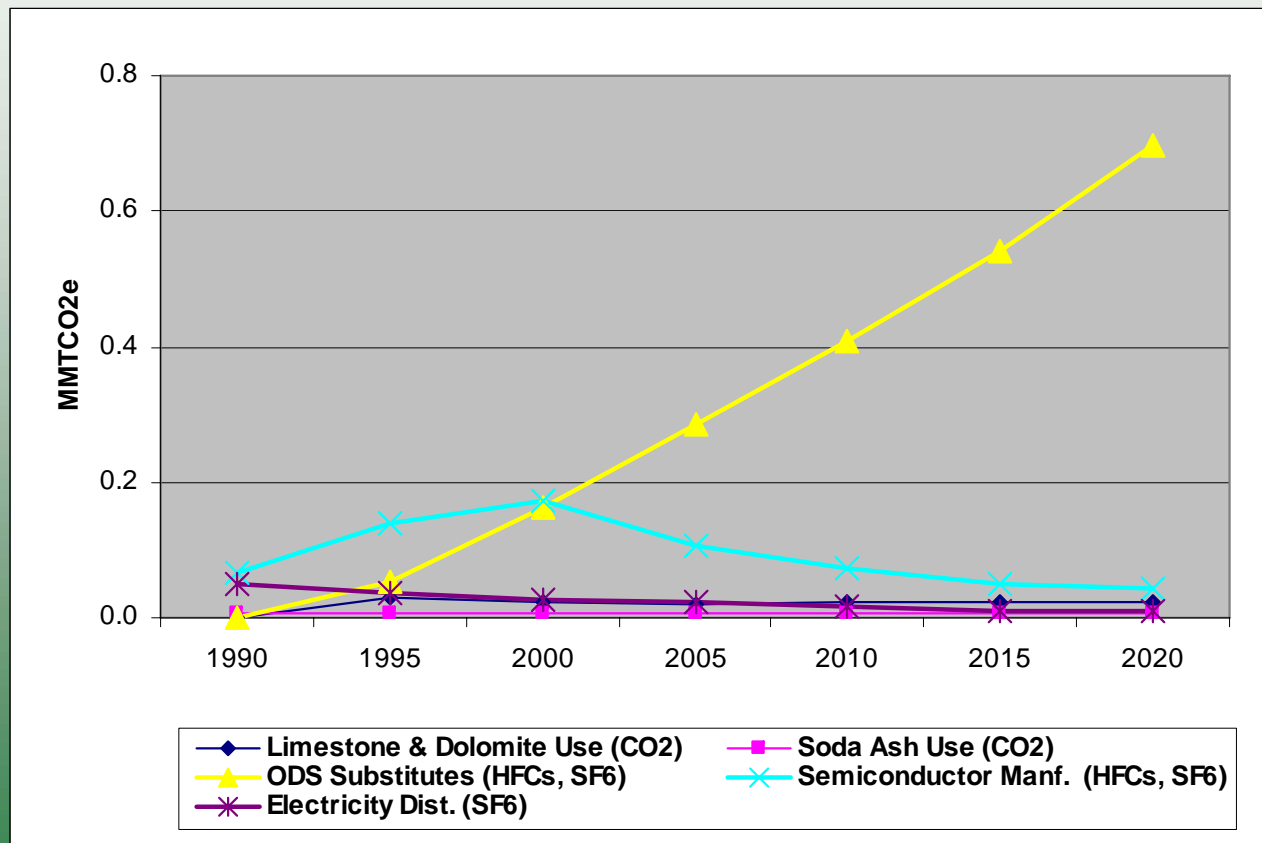
## Industrial Sector



# RCI

- Revisions
  - None identified
  - Ongoing review by TWG

# Industrial Process

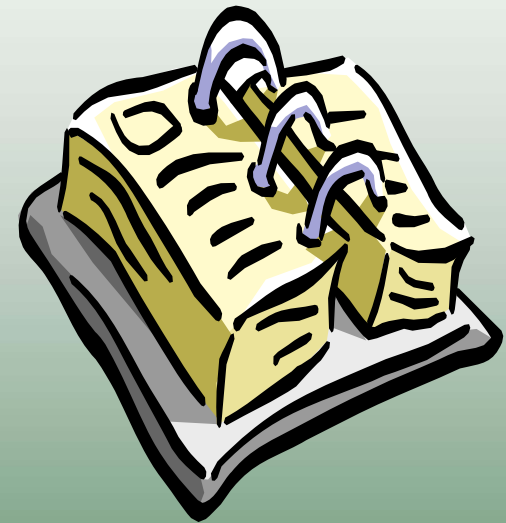


# Industrial Process

- Revisions
  - None identified
  - Ongoing review by TWG

# Next TWG Call

- Agenda:
  - Discuss balloting results and suggested “Priorities for Analysis” of policy options
  - Tentative: Wednesday, January 3, 2006 from 1:30 - 3:30 p.m.



# Public Input, Announcements