



**Report of the  
Governor's Task Force on Global Warming**

*Presented to the Clean Air Act Task Force  
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# Governor's Charge to Task Force

1. Present viable, actionable policy recommendations to reduce emissions
2. Grow Wisconsin economically
3. Identify short and long term reduction goals

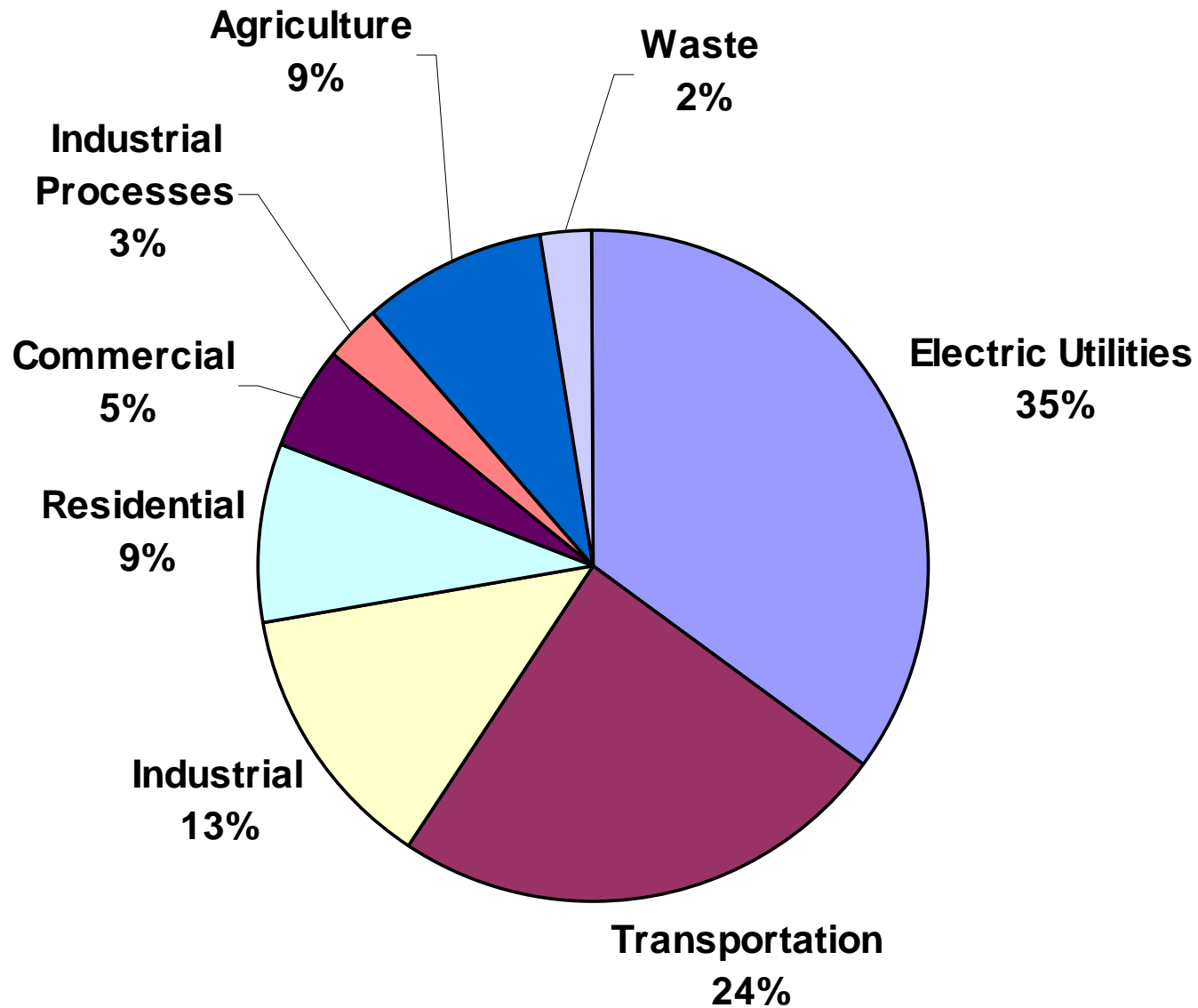
# State GHG Emissions in 2003

Table 1. State GHG Emissions in 2003

Rank	State	MtCO <sub>2</sub> e	% of US
1	Texas	782.3	11.6%
2	California	452.9	6.7%
3	Pennsylvania	301.0	4.5%
<b>4</b>	<b>Ohio</b>	<b>298.9</b>	<b>4.4%</b>
5	Florida	271.3	4.0%
<b>6</b>	<b>Indiana</b>	<b>269.3</b>	<b>4.0%</b>
7	Illinois	<b>268.5</b>	<b>4.0%</b>
8	New York	243.7	3.6%
<b>9</b>	<b>Michigan</b>	<b>211.7</b>	<b>3.1%</b>
10	Louisiana	209.5	3.1%
20	Oklahoma	123.9	1.8%
<b>21</b>	<b>Wisconsin</b>	<b>123.1</b>	<b>1.8%</b>
<b>22</b>	<b>Minnesota</b>	<b>120.0</b>	<b>1.8%</b>
<b>23</b>	<b>Iowa</b>	<b>108.2</b>	<b>1.6%</b>
24	Colorado	106.7	1.6%
25	Kansas	100.7	1.5%

# 2003 Wisconsin GHG Emissions by Sector

(Total: 123.1 million MtCO<sub>2</sub>e)



# Emission Reduction Goals

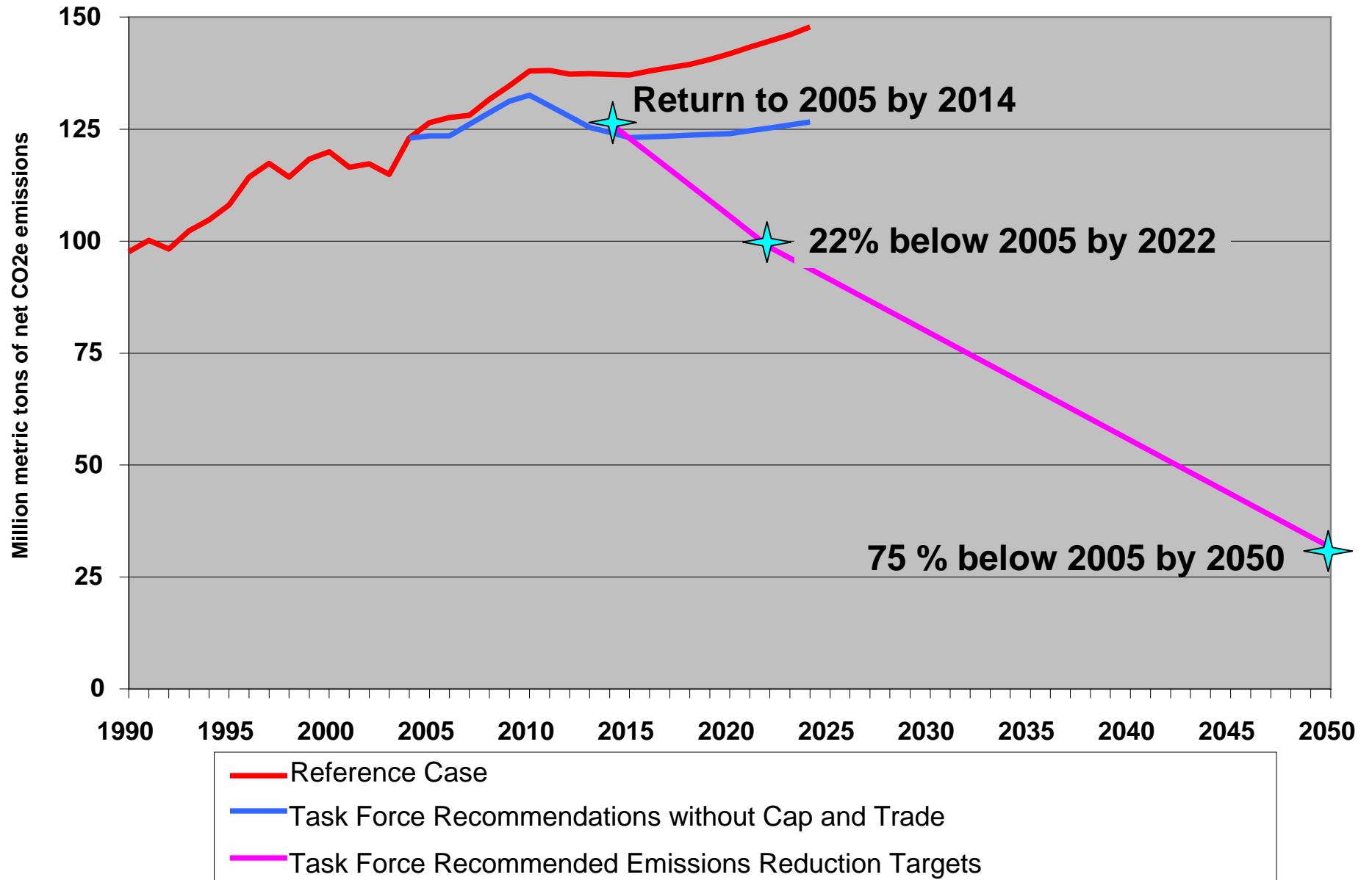
- Return to 2005 levels no later than 2014
- A 22% reduction from 2005 levels by 2022
- A 75% reduction from 2005 levels by 2050

*“Goals are challenging, but achievable, provided there is the political will to act promptly and individuals and businesses voluntarily reduce their GHG emissions”*

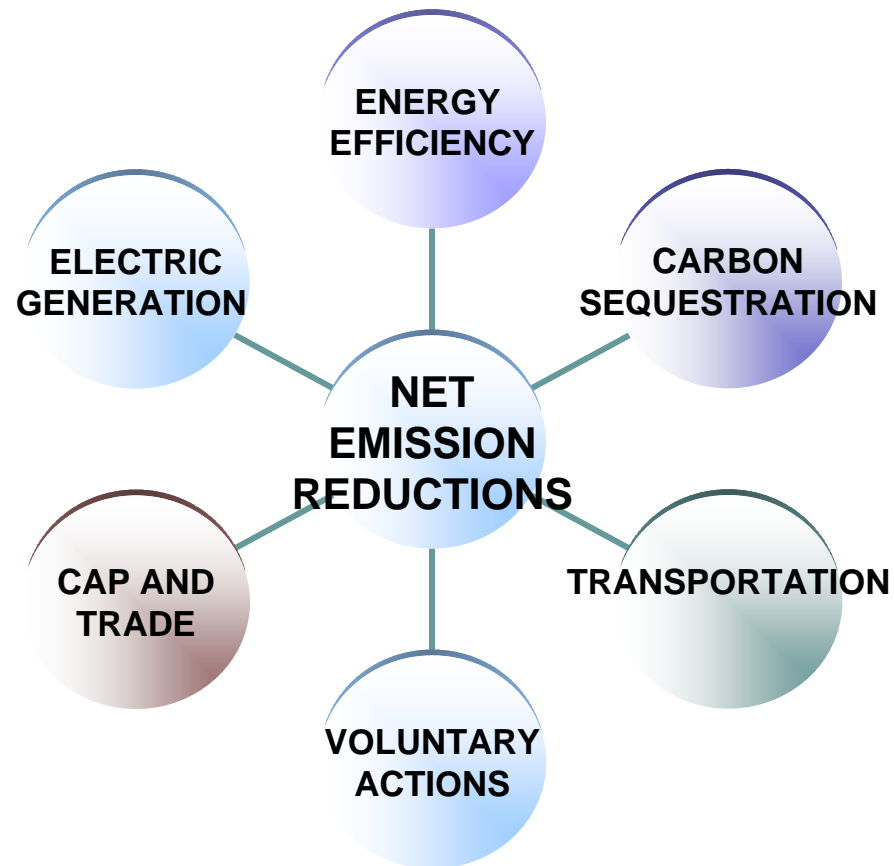
# Reference Case/Policy Analyses

- Modeled projection of Wisconsin's economic, energy use and emissions trends absent any new GHG policies
- Alternative policy scenarios are modeled against Reference Case to evaluate and compare impacts
- Results are NOT a prediction, but are indicative and used to inform decision-making

# Wisconsin GHG Emission Reduction Targets



# No Silver Bullet.....



# Expand Focus on Energy program

- Aggressive Targets: By 2015, reduce
  - Annual electric load by 2% (~ 0.5% now)
  - Annual natural gas load by 1% (~ 0.3% now)
- Add programs for “non-regulated” heating fuels



# Energy Conservation & Efficiency

- **Codes and Standards**
  - State of the art building codes
  - Appliance efficiency standards
  - Efficient lighting standards for rental units
- **Utility Rates and Tariffs**
  - Remove disincentives to efficiency; add incentives for renewables

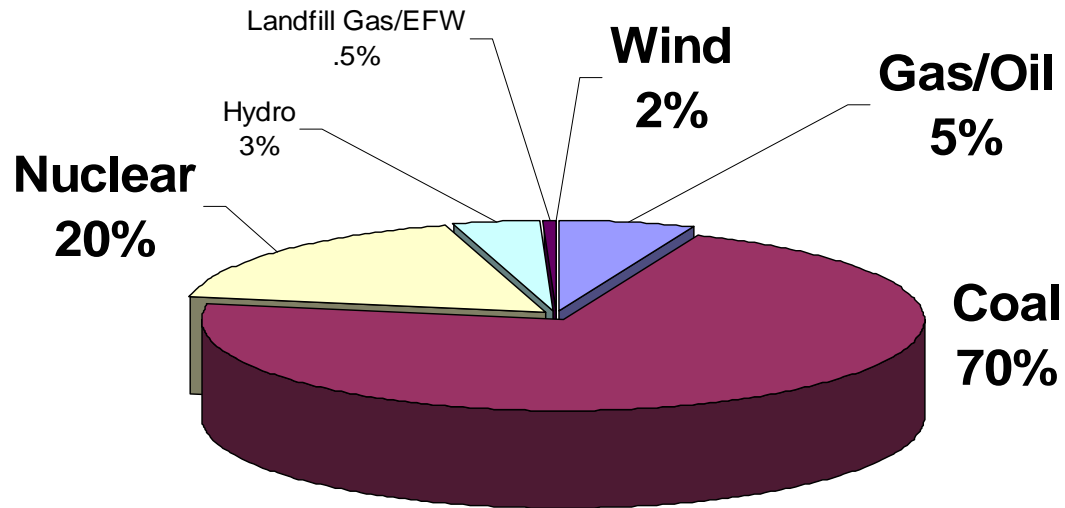
# Electric Generation and Supply

- Amended Strategic Energy Assessment
  - Utilities to submit info on emissions, plans
  - Set voluntary, near term GHG reduction goals
- Enhanced Renewable Portfolio Standard
  - 10% by 2013
  - 20% by 2020
  - 25% by 2025
- Modify Nuclear Power Moratorium



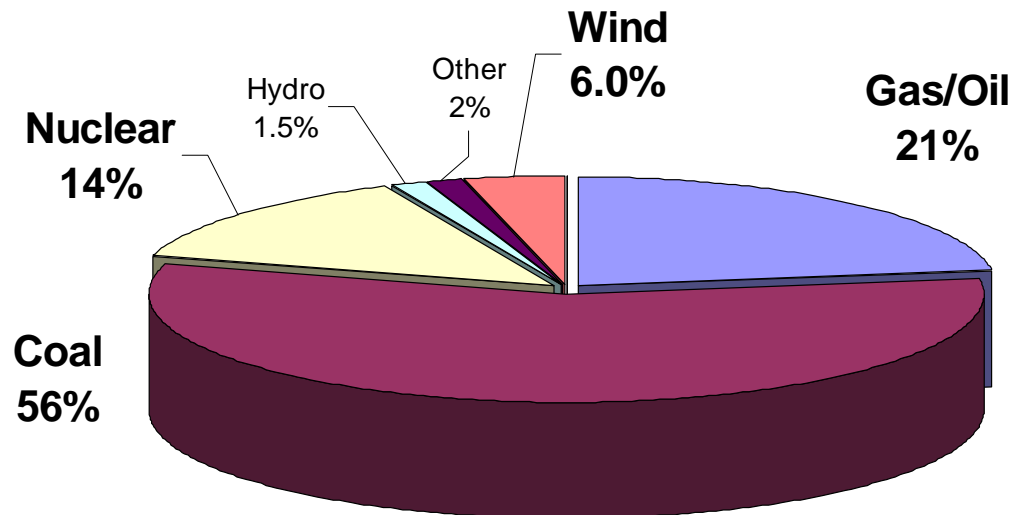
## Generation by Type - 2004

Share of Generation (GWh) Output - 60,445 GWh



## Generation by Type - 2024

Share of Generation (GWh) Output - 92,704 GWh



Please note that percentages have been rounded and may not add to 100%

# Transportation

- Adopt California GHG vehicle emissions standards
- Low Carbon Fuel Standard
- Transit Enhancement
- “Energy Efficient Communities”
- Carbon-audits for transportation projects
- Off road vehicle, freight idling



# Industry

## Voluntary Programs

- Boiler efficiency improvements
- Boiler fuel switching
- Co-generation
- Industrial energy efficiency
- Transition manufacturing base
- Training for green jobs

# Agriculture/Forestry

## Voluntary Programs

- Biomass/biofuels
- Forest management
- Livestock Waste
- Soil management



# Cap and Trade

- Report recognizes that TF members hold divergent and strong views on:
  - Allocation vs. auction
  - Extent to which offsets are used
- TF member positions taken in federal and MGA debates will depend on other aspects of program

# Cap and Trade: Scope

- National or regional, not WI only
- Multi sector
  - Electric generation
  - Large industrial emitters
  - Natural Gas
  - Diesel fuel and gasoline



# C&T: Distribution of Allowances

- Transition Period (up to 10 years)
  - Majority of allowances allocated with a small fee; remainder auctioned
  - Consider special provisions for energy intensive industries (higher allocations, lower fees)
- Then, increasing amount auctioned

# C&T: Use of revenues

- Programs and investments to reduce GHG emissions and transition economy
  - Housing retrofit and rehab
  - Job training
  - Industrial competitiveness/green jobs
  - Comprehensive initiative for voluntary action
- Support climate change adaptation strategies

# C&T: Use of offsets

- Broad availability of offsets
- Some TF members believe limits should be set on use of offsets for compliance
- Stringent verification, permanence, additionality checks
- WI should begin developing protocols

## C&T: Other cost containment

- Credit for early action
- Banking
- 3 year compliance period
- Smooth annual step-down of cap
- Reasonably high price cap to protect against price spikes

# Policy Evaluation; Data collection

- Single agency with authority and funding
- Improved data
- Track progress
- Evaluate policies
- Report out




# Non-Profit Agency to promote Voluntary Reductions


- \$15-\$20 Million public/private entity
- Grants, technical assistance, expertise, education
- Individuals
- Municipalities
- Businesses
- Farms



# State Government as Leader

- Agencies to identify carbon footprint
- Reduce overall GHG emissions to 1990 levels by 2020

Address  <http://dnr.wi.gov/environmentprotect/gtfgw/>    [Program Search](#)



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### Task Force on Global Warming

### Records & Documentation

- Members
- Task Force Reports & Documents
- Meeting Dates & Records
- Public Comment
- Research & Background Information

### Work Groups

- Carbon Tax/Cap & Trade
- Electric Generation
- Conservation & Energy Efficiency
- Forestry & Agriculture
- Industry
- Transportation
- Ad-hoc Low Income
- Ad-hoc Co-Generation
- Ad-hoc Waste Materials
- Technical Advisory Group

## Governor's Task Force on Global Warming

In April, 2007 Governor Doyle signed [Executive Order 191](#) which brought together a prominent and diverse group of key Wisconsin business, industry, government, energy and environmental leaders to create a Task Force on Global Warming. After examining the effects of, and solutions to, global warming in Wisconsin, the Task Force created a state plan of action to reduce our state's greenhouse gas emissions.

In July, 2008 the Task Force voted overwhelmingly to finalize its report on addressing global warming and forward the document on to Governor Doyle for consideration. The Final Report, Wisconsin's Strategy for Reducing Global Warming, and related documents are below:

- [Wisconsin's Strategy for Reducing Global Warming \(PDF 3.7MB\)](#)
- [Highlights of the Final Report \(PDF 34KB\)](#)
- [Press Release \(PDF 41KB\)](#)

The Department of Natural Resources and the [Public Service Commission of Wisconsin](#) (PSC) provided staff support to the Task Force.

Last Revised: Friday August 22 2008

<http://dnr.wi.gov/environmentprotect/gtfgw>