

Permit Changes Global Warming Initiatives



TAPPI Meeting
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*Ed Jepsen, DNR Air Management
608 266-3538
edward.jepsen@wisconsin.gov*

Wisconsin's Air Permit Program

- An air permit is a legal document for air emissions sources.
- Permits itemize the construction, operation and record keeping requirements needed to comply with both federal and state rules.

Types of Air Permits

□ Construction

- Establishes limits & conditions for sources being constructed or modified
- Source must demonstrate compliance upon start up

□ Operation

- Establishes limits & conditions for sources for day to day operation
- Source must demonstrate compliance on a continuous basis

Types of Air Permits

- Construction Permit Program
 - Prevention of Significant Deterioration (PSD)
 - BACT/LAER
 - Offsets in nonattainment areas
 - Pre-construction monitoring
 - New Source Review (NSR)
 - Source specific limits
 - General Construction Permit
 - Establishes industry wide limits
 - Registration Construction Permit
 - Allows operation under emission caps
 - Exemptions
 - Specific
 - General

Air Permits

- Construction Permit Process
 - Application
 - Review
 - Preliminary Decision
 - Public Review
 - Response to Comment
 - Final Decision
 - Permit Issuance

Process Improvements

- Integrating permit review
- More permit options to chose from
- Additional exemptions
- Improved public notice
- Policy changes

Technology Improvements

- ❑ Consolidate existing permit, compliance & emission inventory systems into new integrated system (WARP)
- ❑ On-line permit application
 - ROP – Registration Operation Permit
 - Simple Title V renewal
 - Complex Title V renewal and construction permits (coming soon)
- ❑ Automated email notification of events
- ❑ On line tracking of permit milestones

Recent News

- US EPA Approved Revisions to New Source Permit Regulations – Jan 2009
 - Easier to exempt projects from NSR if predicted actual emissions do not increase
 - Replacement units treated as existing units rather than new
 - Can avoid PSD by taking a plant-wide applicability limit (PAL)
 - Exempt projects can begin construction immediately upon submitting information
 - <http://dnr.wi.gov/air/pubinfo/airmatters/200902.html>

Further Information

- Air Permit Homepage
 - <http://dnr.wi.gov/air/permits/>
- Air Permit Forms Page
 - <http://dnr.wi.gov/air/permits/downloads.htm>
- Air Permit Search Page
 - <http://dnr.wi.gov/air/permits/permitsearch.html>
- Air Quality Modeling Page
 - <http://dnr.wi.gov/air/permits/modeling/>
- Permit Primer
 - <http://dnr.wi.gov/permitprimer/>
- Commerce Small Business Assistance Program
 - <http://www.commerce.state.wi.us/bd/BD-CA-sbcaap.html>

Contacts

Department of Natural Resources

Bureau of Air Management

Andrew Stewart – 608.266.6876
Permits & Stationary Source
Modeling Section Chief
andrew.stewart@wisconsin.gov

Steve Dunn – 608.266.0566
Construction Permit Team Leader
steve.dunn@wisconsin.gov

Keith Pierce – 608.267.0562
Operation Permit Team Leader
keith.pierce@wisconsin.gov

John Roth – 608.267.0805
Dispersion Modeling Team Leader
john.roth@wisconsin.gov

Department of Commerce

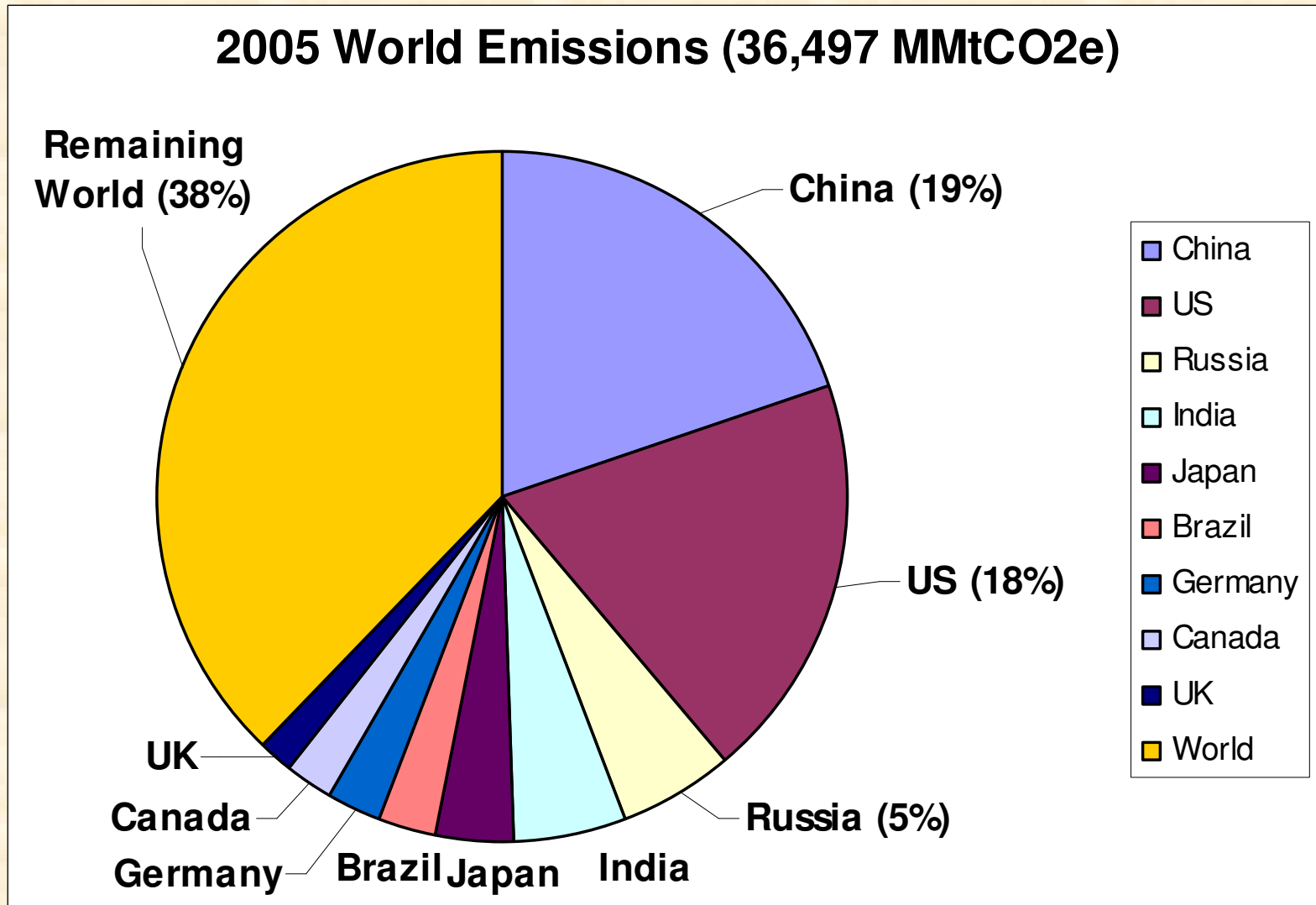
Small Business Clean Air Assistance

Renee Lesjak Bashel – 608.264.6153
Clean Air Ombudsman
renee.bashel@wisconsin.gov

Tom Coogan – 608.267-9214
Diesel Program Specialist
thomas.coogan@wisconsin.gov

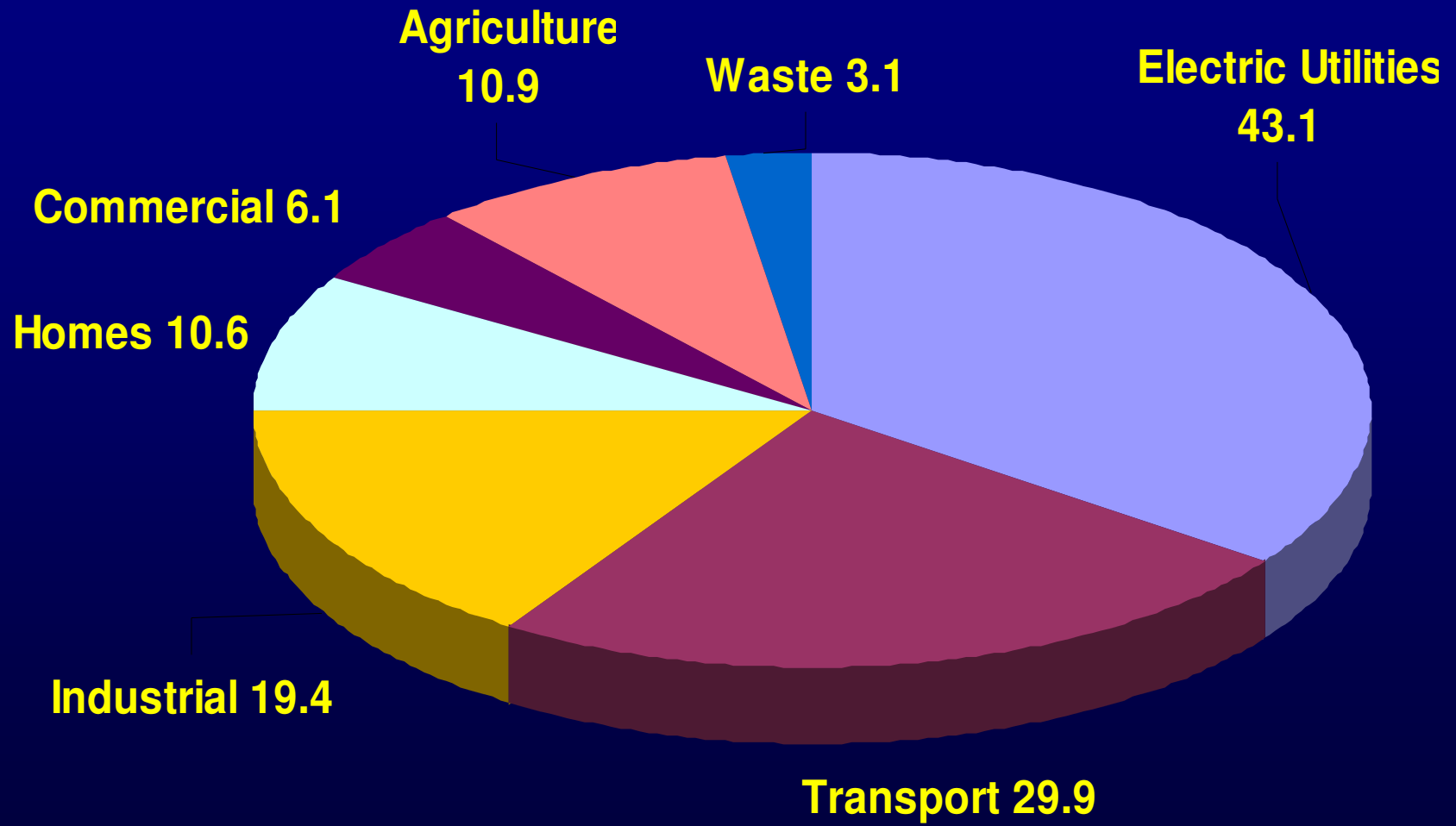
Jean Beckwith – 608.261.2517
Diesel Grant Specialist
jean.beckwith@wisconsin.gov

Global and US Emissions



How Large are Wisconsin's Emissions?

Wisconsin GHG Emissions (MMT)



Governor's Charge to Task Force

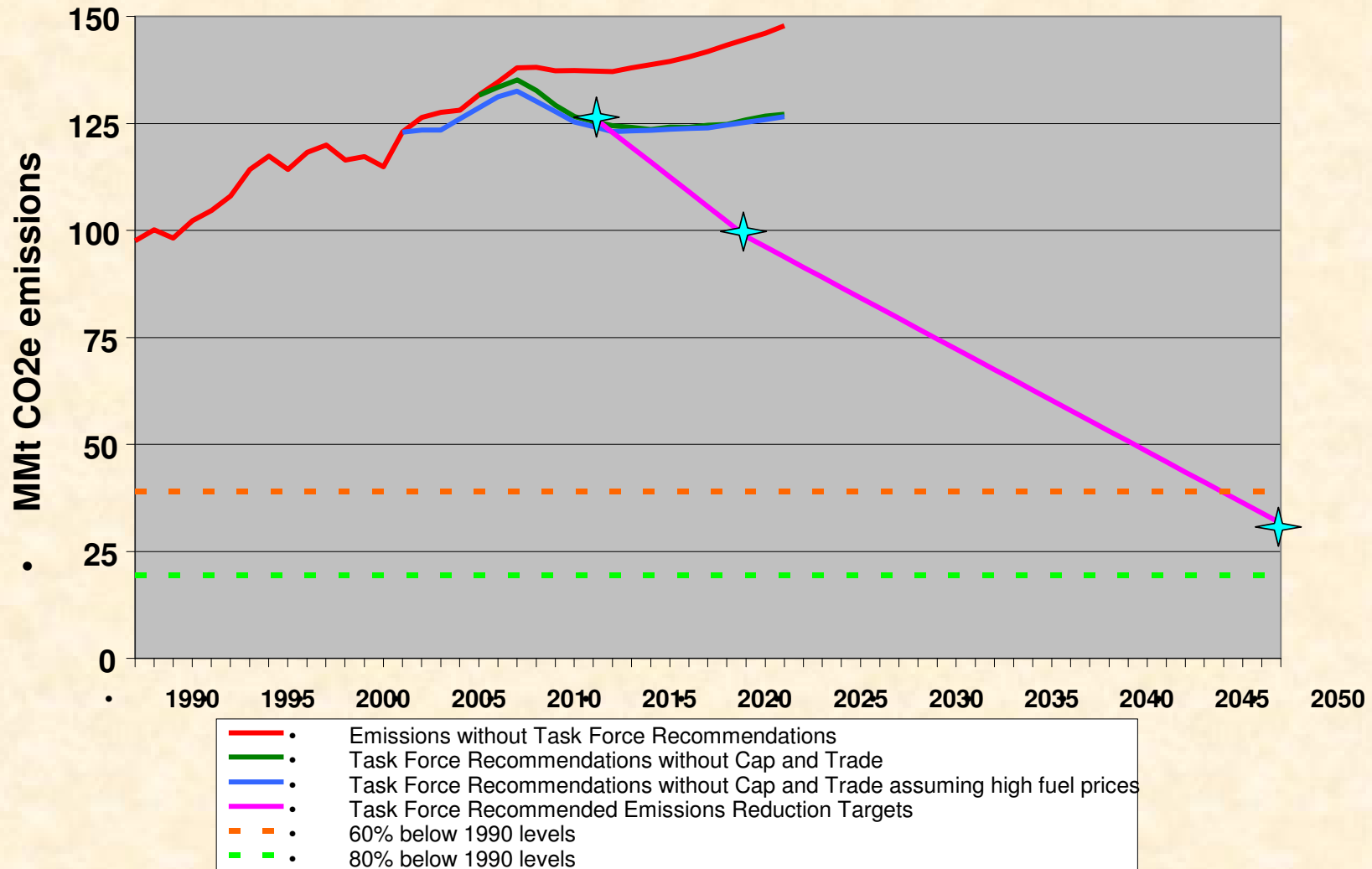
- ❑ Present viable, actionable policy recommendations to reduce emissions
- ❑ Grow Wisconsin's economy
- ❑ Identify short and long-term reduction goals

Emission Reduction Goals

"Goals are challenging, but achievable, provided there is the political will to act promptly."

- ❑ Reduce to 2005 emissions by 2015
- ❑ Reduce 2005 emissions 20% by 2020 (comparable to 1990 levels)
- ❑ Reduce 2005 emissions 75% by 2050

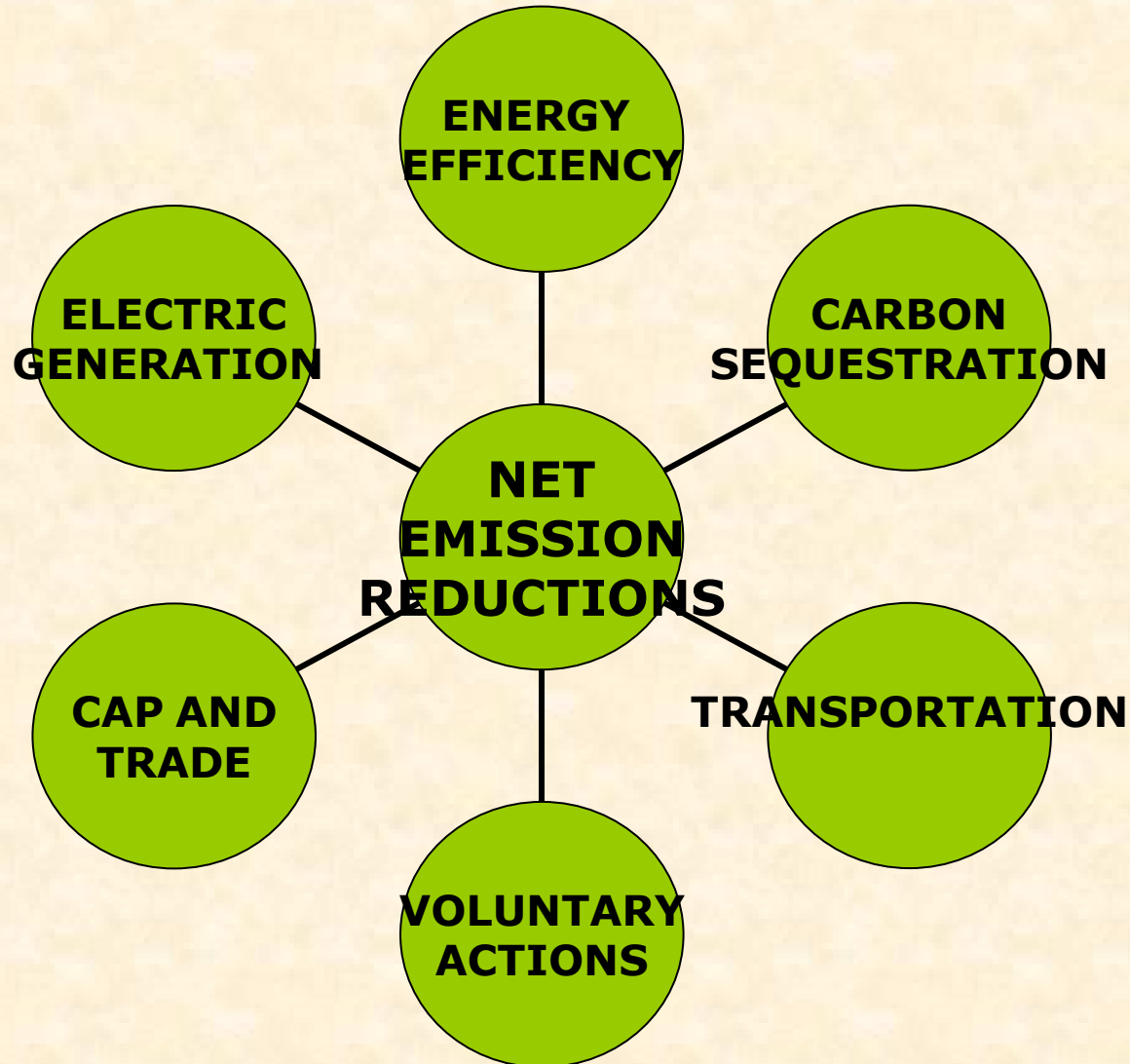
Emission Reduction Targets



The BIG TICKET items

- ❑ Aggressive expansion of energy efficiency and conservation
- ❑ Heavy emphasis on renewables
- ❑ Stringent vehicle emission and fuel standards **and** VMT Reduction
- ❑ Cap and Trade Program

No Silver Bullet.....



Cap and Trade

What sectors might be in cap and trade?

- ❑ Utilities
- ❑ Transportation Fuels
- ❑ Cement manufacturing
- ❑ Refineries
- ❑ Pulp/paper

What did GW Task Force Recommend?

- ❑ National program with offsets, banking & credits
- ❑ No/low cost allowances for a period of time

What does it mean for Wisconsin?

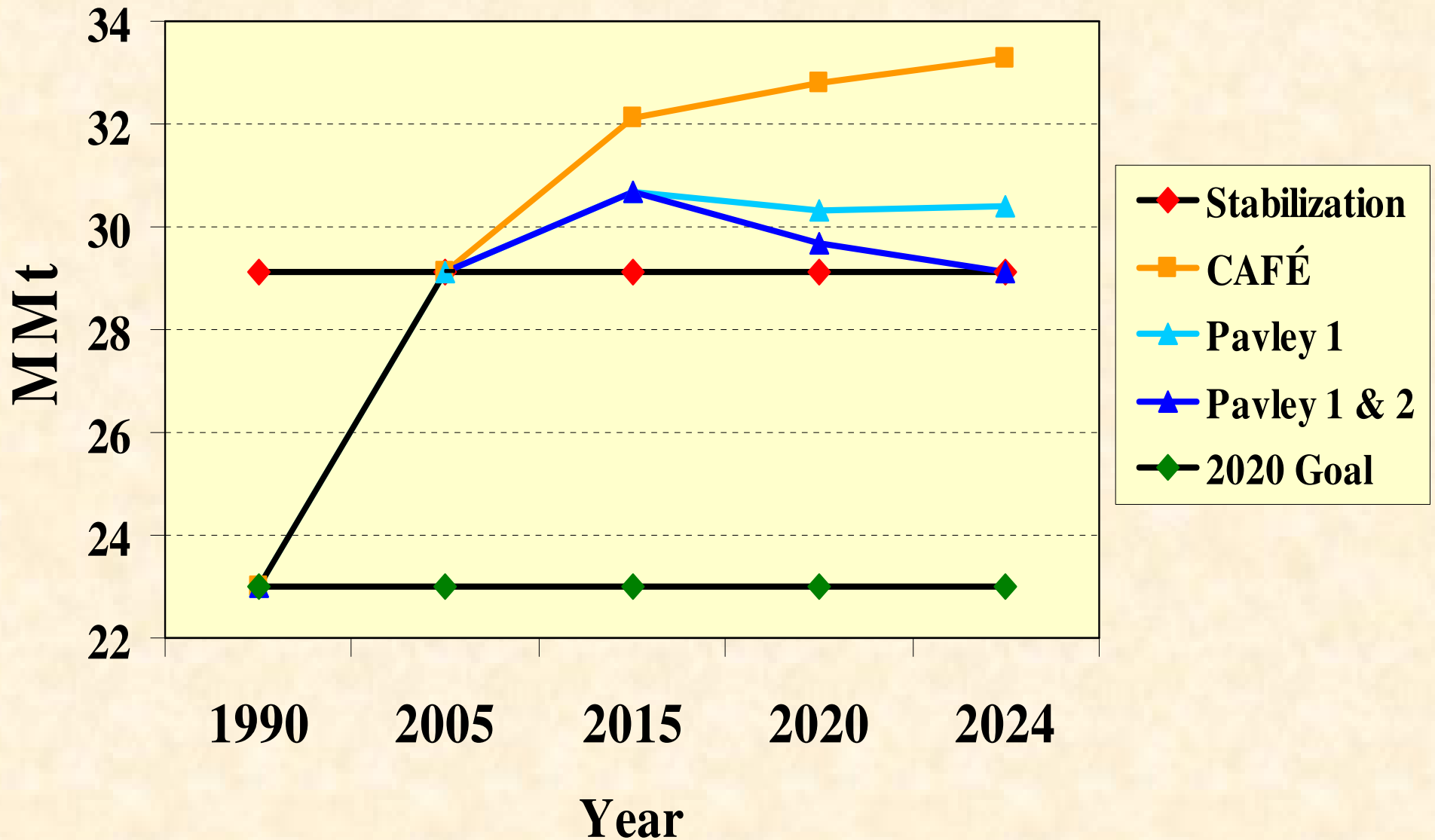
- ❑ Energy efficiency in all sectors
- ❑ Transition to sustainable energy

Significant Policy Interactions

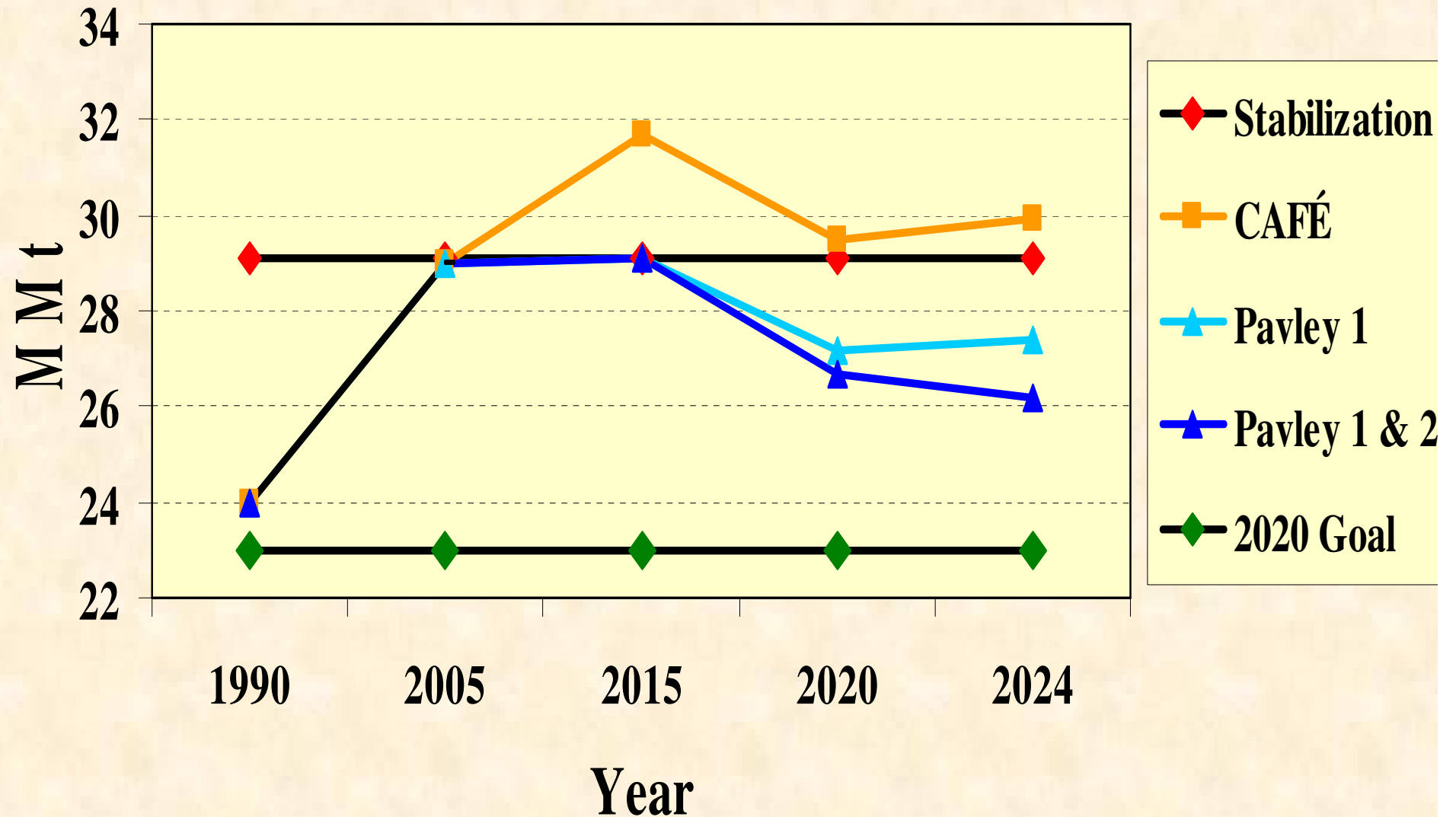
- ~ 18 MMt reduction for all transport policies when assessed individually.
- ~ 13 MMt reduction when policy interactions were removed (~ 35% reduction)

Failure to implement or limited implementation of major policies will substantially affect reductions

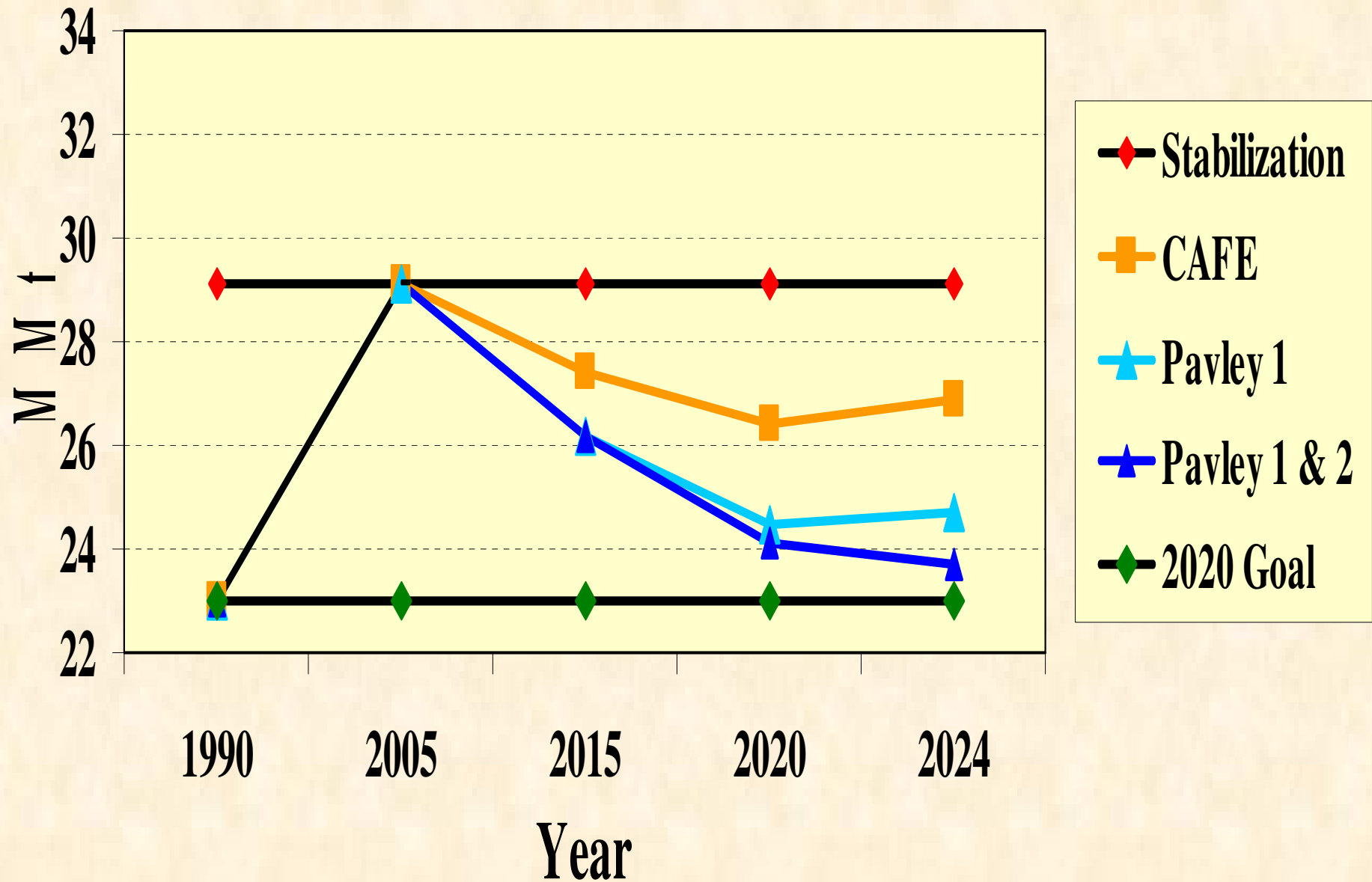
CAFE and CARB



Emissions with Low C Fuels



Low C Fuels and Urban Design



GHG Emissions Reporting

Wisconsin

- ❑ >100,000 tons CO₂ /year should report
- ❑ Many sources under 100,000 are reporting

Federal – under development

- ❑ EPA working on mandatory GHG reporting
- ❑ GHG sources/gases - CO₂, CH₄, N₂O, SF₆, PFC, HFC
- ❑ Direct emissions – combustion, process, vehicle

For more information.....

- Ed Jepsen, DNR Air Management
Phone: 608 266-3538
E-Mail: edward.jepsen@wisconsin.gov
- Task Force Web Site for copies of the report and work group products
<http://dnr.wi.gov/environmentprotect/gtfgw/>