



*Commission on Climate Change*

# Maryland Climate Change Commission Technical Working Group

## **Transportation and Land Use**

Meeting #9

January 30, 2008

Maryland Department of the Environment  
Maryland Energy Administration  
Center for Climate Strategies

# Today's Agenda

- Call to order and roll call
- Review and approve prior meeting summary
- Review progress on straw proposals
- Discuss quantification to date
- Review MD MWG 01/15/08 meeting
- Confirm agenda, time and date for next meeting & subsequent TWG meetings
- Public input and announcements

# Stepwise Planning Process

1. Develop inventory and forecast of emissions - Ongoing
2. Identify a full range of possible actions - **Sept. 7-28**
3. Identify initial priorities for analysis - **Oct 26**
4. Develop straw proposals - **November**
5. Quantify GHG reductions and costs/savings - **Dec/Jan**
6. Evaluate externalities, feasibility issues - **Dec/Jan**
7. Develop alternatives to address barriers - **January**
8. Aggregate results - February
9. Iterate to final agreements - Feb/March
10. Finalize and report recommendations - March

# Jan. 15<sup>th</sup> MWG Notes

- TLU-1 Carbon Tax: How to spend the money raised?
  - Recommendation: Focus on the options most likely to reduce GHG emissions.
- TLU-2 Land Use and Location Efficiency: See related work by Prof. Ewing at UMD.
- TLU-3 Transit: Concern about doubling of transit capacity assumption.
  - Recommendation: Go as far as we can in increasing transit capacity without being totally unrealistic.

# Jan. 15<sup>th</sup> MWG Notes

- TLU-4 LGFS: Provide cost analyses under different price assumptions for petroleum-based gasoline.
- TLU-5 Intercity Travel: Make clear distinction between this policy option and TLU-10 (off-road).
- TLU-6 PAYD Insurance: Address equity issues.
- TLU-7 VMT Budgets: What should MD goals be?
  - Recommendations:
    - Draft should be restructured as a plan.
    - Include a CO<sub>2</sub> cap—ala conformity.
    - Make VMT cap a subset of CO<sub>2</sub> cap.

# Gross GHG Emissions from Transportation

Source	1990	2005	2020 (BAU)	2020 w/TLU-4 & 10
On-road gasoline	17.91	23.94	28.78	25.9
On-road diesel	2.91	5.89	9.18	8.26
Jet fuel/aviation	1.49	1.31	1.42	1.21
Boats and ships--ports/inshore	1.16	0.87	0.93	0.79
Boats and ships--offshore	0.21	0.31	0.37	0.31
Rail	0.39	0.06	0.06	0.05
Other	0.14	0.14	0.17	0.14
<b>Total</b>	24.21	32.52	40.91	36.67
GHGs to reach target 25% reduction from 2006			24.39	24.39
Reduction needed from 2020 estimate			16.52	12.27

\* Emissions in MMt

# Jan. 15<sup>th</sup> MWG Notes

- TLU-8 Bike and Ped: No significant comments here.
- TLU-9 Pricing Measures: Teleworking part of this option.
- TLU-10 Off-road: Expected effects on reducing idling emissions. (recent actions)
  - Recommendation: Include Ag equipment.
- TLU-11 Major Projects: Clarify what is in the baseline forecast.

# TWG/MWG Next Steps

- CCS works on quantifying effects of Proposals
- TWG's incorporate MWG feedback, refine policies and complete all straw proposals
- Present revised quantifications at February MWG Meeting

# Key Dates

<u>Date</u>	<u>Meeting</u>
January 15 <sup>th</sup> , 2008	6 <sup>th</sup> MWG Meeting
February 19 <sup>th</sup> , 2008	7 <sup>th</sup> MWG Meeting
March 19 <sup>th</sup> , 2008	8 <sup>th</sup> MWG Meeting
April 20, 2008	Final Report
Between MWG Meetings	Technical Working Group (TWG) Calls and/or Meetings

# Next TLU TWG Meetings

- Date and Time
  - February, 2008
  - Before Feb. 19<sup>th</sup> MWG meeting
- Agenda
  - Revise straw proposals for the MWG
  - Complete quantification and review
  - Evaluate externalities, feasibility issues
  - Comment on Inventory & Forecast for Transportation Sector



# Public Input, Announcements