

Commission on Climate Change

Maryland Climate Change Commission Technical Working Group

Transportation and Land Use

Meeting #11

March 5, 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
- Approve straw proposal quantification to date
- Address next steps for straw proposals
- 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

Option No.	Policy Option	GHG Reductions (MMtCO ₂ e)			Net Present Value 2008–2020 (Million \$)	Cost-Effectiveness (\$/tCO ₂ e)	Level of Support
		2012	2020	Total 2008–2020			
<i>TLU Area 1: Reduce emissions 20% from 2020 baseline</i>		2.9	7.6	53.1			
TLU-1	Carbon Fuel Tax Fund (\$0.15 > \$2.00/gal)	0.8	2.5	16.4	NA		Pending
TLU-2	Land Use and Location Efficiency	1.1	4.6	27.6	Large net savings		Pending
TLU-3	Transit	1.1	2.8	20.3	TBD	– \$917	Pending
TLU-5	Intercity Travel: Aviation, High Speed Train, Bus	TBD	TBD	TBD	TBD	TBD	Pending
TLU-6	Pay-as-you-Drive Insurance	1.0	4.3	27.2	Net savings		Pending
TLU-7	VMT Budgets	NA (implemented via TLU-2, et al.)					Pending
TLU-8	Bike and Pedestrian Infrastructure	Included in TLU-3					Pending
TLU-9	Commuter Choice and other Pricing Measures	1.9	2.2	21.0	TBD	-\$1 to -\$643	Pending
TLU-11	Evaluate the GHG Emissions Impacts of Major Projects	NA					Pending
<i>TLU Area 2: Reduce carbon per unit of fuel</i>							
TLU-4	Low Greenhouse Gas Fuel Standard	0.7	1.9	12.8	TBD	30-90	Pending
<i>TLU Area 3: Reduce carbon per mile and/or per hour</i>							
TLU-10	Transportation Technologies	1.21	3.2	22.44	TBD	(200)-1500	Pending
	Sector Total [before] Adjusting for Overlaps [with lower TLU-4]	4.81	12.7	88.34	TBD	TBD	
	Reductions From Recent Actions	TBD	TBD	TBD	TBD	TBD	
	Sector Total Plus Recent Actions	TBD	TBD	TBD	TBD	TBD	

Maryland Transportation Sector Emissions and MD Goals

Emission Totals (MMtCO₂e)

	2006	2020
Onroad Gasoline	38.2532	43.1763
Onroad Diesel	5.2059	7.3290
Total	53.3557	61.3689

Maryland Goals

2015

- 10% below 2006 levels by 2012
- 15% below 2006 levels by 2015

2020

- 25-50% below 2006

Reductions of 25-50% = 13.3 to 26.6 MMtCO₂e in 2020.

12.7 MMtCO₂e / 61.4 = 20.7%

TWG/MWG Next Steps

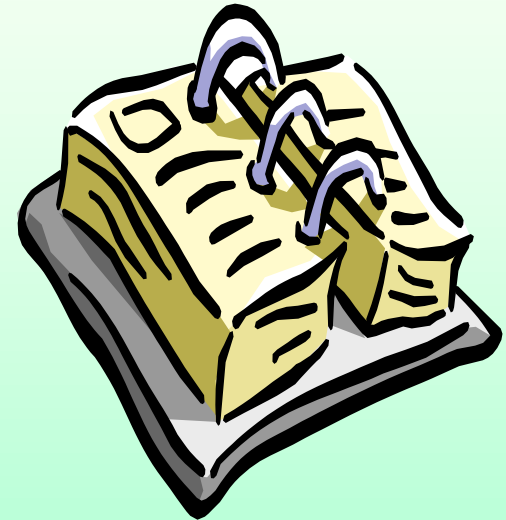
- CCS will revise the straw proposals.
- Present revised quantifications at March 19th MWG meeting.
- TWG will incorporate MWG's recommendations at next meeting.

Key Dates

<u>Date</u>	<u>Meeting</u>
March 19 th , 2008	8 th 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
 - Late March or Early April, 2008
- Agenda
 - Further Develop Straw Proposals
 - Finalize Policy Option Descriptions



Public Input, Announcements