



MINNESOTA
Climate Change
Advisory Group



Minnesota Climate Change Advisory Group

Transportation and Land Use Technical
Work Group Meeting #8

October 24, 2007

Minnesota Department of Commerce



Minnesota Pollution Control Agency

The Center for Climate Strategies

Agenda

- Introductions
- Review of activity in informal calls / current options
- Discuss Jan Callison's proposed "Alternative TLU Analysis Framework"
- Discuss remaining options: TLU-6, TLU-10, TLU-11, TLU-12, TLU-13
- Inventory & Forecast discussion
 - Source of VMT data resolved / satisfactory?
 - Other I&F Qs or comments?
- Agenda, Time and Date for Next Meetings
- Public Input and Announcements

Stepwise Planning Process

1. Develop inventory and forecast of emissions (Ongoing)
2. Identify a full range of possible actions
3. Identify initial priorities for analysis
4. **Develop straw proposals** 
5. **Quantify GHG reductions and costs/savings** 
6. Evaluate externalities, feasibility issues
7. Develop alternatives to address barriers
8. Aggregate results
9. Iterate to final agreements
10. Finalize and report recommendations

Alternative TLU Analysis Framework

Transportation carbon emissions = Miles driven x carbon per mile. Carbon per mile = vehicle efficiency x carbon per unit of fuel. So, reduce green house gas emissions by:

- Reducing the number of miles driven
 - TLU-1 Land Use Planning & Development
 - TLU-2 Transit, Bike & Pedestrian Infrastructure
 - TLU-5 Climate-Friendly Transportation Pricing [in part]
 - TLU-7 Fix-It-First
 - TLU-8 Update Road Standards [in part]
 - TLU-9 Commuter Choice
 - TLU-10 Congestion Pricing
- Reducing motor vehicles emissions [Cleaner Fuels]
 - TLU-3 Biofuels
 - TLU-6 Adopt CA Clean Car Standards
 - TLU-5 Climate-Friendly Transportation Pricing [in part]
- Reducing per vehicle fuel consumption [Improved Vehicle Efficiency]
 - TLU-4 Infrastructure Management
 - TLU-8 Update Road Standards [in part]
 - TLU-11 Truck Stop Electrification
 - TLU-12 Mobile Source Emissions Reduction
 - TLU-13 Reduced Speed Limits

TLU-6, TLU-10, TLU-11, TLU-12, TLU-13

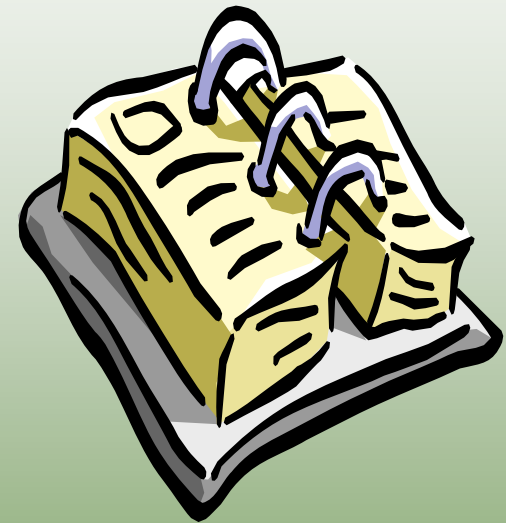
- See Straw document
- Submit all revisions by Friday, November 2

Next Steps for TLU TWG

- For Nov. 8 MCCAG meeting:
 - Complete numeric goals for as many options as possible
 - For options with numeric goals, deliver first cut at GHG impacts
 - Recommend any changes to Inventory & Forecast
- After MCCAG meeting: Complete Implementation Mechanisms for all options, begin Step 6, “Evaluate externalities, feasibility issues”

Next TWG Meetings

- Assume no informal meeting this Friday, 10/26?
- Informal:
 - Friday 10/2. Go over any remaining pre-MCCAG issues; see first cut of impacts numbers
 - None 10/9 (day after MCCAG)
 - 10/16
 - None 10/23 (Thanksgiving)
- Formal:
 - November 20, 2007 from 3:00-5:00
 - December 13, 2007 from 3:00-5:00



Public Input, Announcements