

----- **RESPONSES DUE BY 4PM Wednesday, August 13, 2008** -----

Identification of Priority Options for Analysis Transportation and Land Use Technical Working Group

As discussed at the third TWG meeting, we are providing a balloting form to assist the TWG in the identification of priority options for further elaboration and analysis. The CCS team will compile your responses and circulate these to the TWG just prior to our next meeting, as the basis for discussion.

Instructions

- Place an "X" in the box for the up to 10 options that you would make a priority for further analysis using your judgment on the following decision criteria:
 - GHG reduction potential (MMTCO₂e) by 2020*
 - Cost-effectiveness (Cost per ton GHG reduced or removed)*
 - Externalities, Feasibility Considerations

** Please recall that the ratings shown in the catalogs for the first and second items (GHG reduction potential by 2020 and cost-effectiveness) above are preliminary and indicative. For priority options, further detailed analysis will be undertaken where possible, and may yield numerical results that differ from the ranges indicated.*
- If you feel that individual options should be combined, you may place votes on “bundles” of options. Describe your bundling preference in the Comment column. For example, if you wish to vote for a bundled option that combines options 6.3 and 6.4, place an “X” in row 6.3 and write “bundle with 6.4”, then place an “X” in row 6.4 and write “bundle with 6.3”. This would count as one of your 10 votes.
- Please save your completed form **with a filename that includes your name** and email to Jeff Ang-Olson (jangolson@icfi.com) and Frank Gallivan (fgallivan@icfi.com) **no later than COB (4pm) August 13, 2008.**

Transportation and Land Use TWG Balloting Form

The items in this form reflect the catalog as revised and approved by the MAG at its July 15, 2008 meeting. The catalog and catalog option descriptions are available on the Transportation TWG web page, http://www.akclimatechange.us/Transportation_Land_Use.cfm.

Option	GHG Reduction Policy Option	Vote	Bundle	Comment
T-1	ON-ROAD VEHICLE TECHNOLOGY			
1.1	Clean Car Program (“Pavley” GHG standards for autos)	X [c] X [e] X [f] X [h] X [k]	• Combine w/ 1.3 [h]	• Litigation issues?
1.2	Fuel-Efficient Tires	X [e] X [g] X [k]	• Bundle w/ 2.2 [g]	
1.3	Heavy-Duty Vehicle Fuel Efficiency Improvements	X [a] X [f] X [h] X [j]	• Combine w/ 1.1 [h]	• Fuel conservation and emission reductions
1.4	Vehicle Purchase or Registration Incentives (registration fees, tax credits, feebates, etc.)	X [e] X [g]		• Lower fee for a Honda than for a Hummer
1.5	Incentives to Retire or Improve Older High-GHG Vehicles (passenger or freight)	X [d] X [k]		
1.6	Promotion of Electric Vehicles	X [a] X [b] X [c] X [i] X [j]	• Bundle with 1.7 as “Hybrid” [a] • Bundle with 1.7, 3.5 [c]	
1.7	Promotion of Natural Gas Vehicles	X [a] X [b] X [c] X [d]	• Bundle with 1.6 as “Hybrid” [a] • Bundle with 1.6, 3.5 [c]	
1.8	Promotion of Low-GHG Refrigerants	X [f]		
1.9	Promotion of Engine Block Heaters	X [d]		• MOA already promoting
T-2	VEHICLE OPERATION AND SYSTEM EFFICIENCY			
2.1	Lower and/or Enforce Speed Limits	X [a] X [b] X [d] X [e] X [f]		• Increase enforcement of existing limits • Some studies indicate that EFI systems have decreased speed effect
2.2	Vehicle Maintenance, Driver Education (e.g., tire inflation)	X [g] X [i]	• Bundle w/ 1.2 [g]	

Option	GHG Reduction Policy Option	Vote	Bundle	Comment
2.3	Vehicle Idling Regulations and/or Alternatives (e.g., electrification)	X [a] X [c] X [e] X [g] X [i] X [j] X [k]		<ul style="list-style-type: none"> • reduce nondiscretionary idling thru infrastructure improvements and reduce discretionary idling thru incentives for technology improvements • Comment: Political issues with cold weather enforcement (-20 to -60)
2.4	Transportation System Management	X [a] X [b] X [e] X [f] X [g] X [i] X [k]	• Bundle with 4.2 [a]	• Improve infrastructure to reduce congestion
2.5	Encourage Freight Movement by More Energy Efficient Modes	X [a] X [b] X [d] X [h]		<ul style="list-style-type: none"> • Discuss how best to accomplish this task • State supported vessel shipping incentives
2.6	Improved Weather Information	X [g]		
T-3	ALTERNATIVE FUELS			
3.1	Low Carbon Fuel Standard	X [e] X [k]		
3.2	Renewable Fuel Standard (ethanol and/or biodiesel)			
3.3	Alternative Fuel Mandates for Fleets	X [b]		
3.4	Alternative Fuel Production Incentives and Research	X [a] X [h] X [j]	<ul style="list-style-type: none"> • Bundle with 3.5 [a] • Combine w/ 3.5 [h] 	• Recognize Alaska's unique environment
3.5	Alternative Fuel Infrastructure Development	X [a] X [c] X [h]	<ul style="list-style-type: none"> • Bundle with 3.4 [a] • Bundle with 1.6, 1.7 [c] • Combine w/ 3.4 [h] 	• Recognize Alaska's unique environment
T-4	TRAVEL DEMAND MANAGEMENT			
4.1	Promote Efficient Development Patterns (Smart Growth)	X [c] X [e] X [f] X [g] X [h] X [k]	• Bundle with 4.2 [e]	
4.2	VMT and GHG Reduction Goals in Planning	X [a] X [b] X [e] X [g] X [i]	<ul style="list-style-type: none"> • Similar to 2.4, bundle with 2.4 [a] • Bundle with 4.1 [e] 	

Option	GHG Reduction Policy Option	Vote	Bundle	Comment
4.3	Ridesharing and Transit Promotion	X [a] X [b] X [f] X [g] X [h] X [i] X [k]	• Bundle with 4.4 [a] • Bundle with 4.4 [f] • Combine w/ 4.4 [h]	
4.4	Expand and/or Improve Existing Transit Service	X [a] X [b] X [c] X [f] X [g] X [h] X [i] X [k]	• Bundle with 4.3 [a] • Bundle with 4.3 [f] • Combine w/ 4.3 [h]	
4.5	Bike and Pedestrian System Improvements	X [c] X [j] X [k]		
4.6	Pay-as-You-Drive Automobile Insurance	X [e] X [f] X [i] X [j]		• Hard to be fair when your job/life requires you drive
4.7	Telecommuting and Short Work Week	X [i]		
T-5	AIRCRAFT AND AIRPORT STRATEGIES			
5.1	Aircraft Efficiency Improvements	X [h] X [j]	• Combine w/ 5.2 [h]	• Lobbying is low cost effort
5.2	Aircraft Operational Changes	X [g] X [h] X [j]	• Combine w/ 5.1 [h]	• Lobbying is low cost effort
5.3	Airport Operational Changes	X [e]		
5.4	Improving Efficiency of Airport Ground Transportation	X [a]		• Best opportunity, from these four, to achieve reductions
T-6	MARINE TRANSPORTATION STRATEGIES			
6.1	Ferry Operational Improvements			
6.2	Commercial and Recreational Vessel Engine Efficiency Improvements	X [c] X [d] X [h]		• State program through DOCCED is inadequate to make much of a change
6.3	Alternative Fuels for Ferries, Fishing Vessels, or other Harbor Craft			
6.4	Shore Power/Cold Ironing	X [f] X [j]		
6.5	Alternative Fuels for Port Cargo Handling Equipment	X [d]		
6.6	Management and Regulation of Fisheries to Include Consideration of Fuel Efficiency	X [c] X [d] X [h]		• This is a ADF&G issue • Could reduce amts w/o affecting economy
6.7	Cruise Industry Outreach	X [h]		

Option	GHG Reduction Policy Option	Vote	Bundle	Comment
T-7	RAILROAD TRANSPORTATION STRATEGIES			
7.1	Railroad Improvements for Freight	X [a] X [h]		<ul style="list-style-type: none"> • Discuss how best to accomplish this task • Had greatest potential to reduce GHG
7.2	Locomotive Idle Reduction	X [f] X [i] X [j]		
7.3	Efficient Switcher Locomotives			
7.4	Commuter Rail	X [b] X [c]		<ul style="list-style-type: none"> • How is this different then “transit” above? Lets take a “systems approach to this and combine into a “transportation management system”

Summary of Votes by Option

Sort by Total 1			Sort by Total 2		
Option	Total1*	Total2**	Option	Total1*	Total2**
4.4	8	6.5	2.3	7	7.0
2.3	7	7.0	2.4	7	6.5
2.4	7	6.5	4.4	8	6.5
4.3	7	5.5	4.1	6	5.5
4.1	6	5.5	4.3	7	5.5
1.1	5	4.5	2.1	5	5.0
1.6	5	3.8	1.1	5	4.5
2.1	5	5.0	2.5	4	4.0
4.2	5	4.0	4.2	5	4.0
1.3	4	3.5	4.6	4	4.0
1.7	4	2.8	1.6	5	3.8
2.5	4	4.0	1.3	4	3.5
4.6	4	4.0	4.5	3	3.0
1.2	3	2.5	6.2	3	3.0
3.4	3	2.0	6.6	3	3.0
3.5	3	1.3	7.2	3	3.0
4.5	3	3.0	1.7	4	2.8
5.2	3	2.5	1.2	3	2.5
6.2	3	3.0	5.2	3	2.5
6.6	3	3.0	1.4	2	2.0
7.2	3	3.0	1.5	2	2.0
1.4	2	2.0	3.1	2	2.0
1.5	2	2.0	3.4	3	2.0
2.2	2	1.5	6.4	2	2.0
3.1	2	2.0	7.1	2	2.0
5.1	2	1.5	7.4	2	2.0
6.4	2	2.0	2.2	2	1.5
7.1	2	2.0	5.1	2	1.5
7.4	2	2.0	3.5	3	1.3
1.8	1	1.0	1.8	1	1.0
1.9	1	1.0	1.9	1	1.0
2.6	1	1.0	2.6	1	1.0
3.3	1	1.0	3.3	1	1.0
4.7	1	1.0	4.7	1	1.0
5.3	1	1.0	5.3	1	1.0
5.4	1	1.0	5.4	1	1.0
6.5	1	1.0	6.5	1	1.0
6.7	1	1.0	6.7	1	1.0
3.2	0	0.0	3.2	0	0.0
6.1	0	0.0	6.1	0	0.0
6.3	0	0.0	6.3	0	0.0
7.3	0	0.0	7.3	0	0.0

* All votes in a bundle counted separately as 1

** Votes in a bundle counted as fractional votes