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Memo

To: Vermont Plenary Group Members
 From: The Center for Climate Strategies
 CC: Governor’s Climate Change Commission (GCCC), Vermont Department of Environmental Conservation (DEC)
 Subject: Preparation for the Fifth Meeting of the Vermont Plenary Group (PG)
 Date: May 17, 2007

At the fifth meeting of the Vermont GCCC Plenary Group on Thursday, May 17, 2007, the PG will review and commence approval of the 38 draft climate change policy options developed since the launch of the PG process in September 2006. The PG will review, discuss and modify options as needed to reach final approval. Options not fully agreed to at this meeting will be referred back to the Technical Work Groups (TWGs) for further development and presentation at the June 21, 2007 PG meeting.

A summary of the 38 pending draft policy options is included below, and a detailed description of each and related background is posted to the GCCC-PG website at: www.vtclimatechange.us. Please review these documents prior to the meeting.

Table #	Technical Work Group	# Policy Options
1	Energy Supply and Demand Pending Options List	10
2	Transportation and Land Use Pending Options List	9
3	Agriculture and Forestry Pending Options List	12
4	Cross-Cutting Issues Pending Options List	7
	<i>Total</i>	38

Next Steps

Present First Round of Analysis of Draft Policy Options, Approve Consensus Policy Options, Return Others to TWGs for Additional Revision and/or Quantification	PG Meeting #5
Present Second Round of Analysis of Draft Policy Options, Approve Consensus Policy Options, Return Others to TWGs for Additional Revision and/or Quantification	PG Meeting #6
Approve Final PG Policy Option Recommendations	PG Meeting #7
Deliver Final Report to GCCC	August 2007

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Energy Supply and Demand Technical Work Group
Summary List of Policy Options

	Policy Option	GHG Reductions (MMtCO ₂ e)			Net Present Value 2008–2030 (Million \$)	Cost-Effectiveness (\$/tCO ₂ e)	Level of Support
		2012	2028	Total 2008-2030			
ESD-1	Evaluation and Continuation / Expansion of Existing DSM for Electricity and Natural Gas						Pending
ESD-2	Evaluation and Expansion of DSM to Other Fuels						Pending
ESD-3	Building Efficiency Codes, Training, Tracking						Pending
ESD-4	Evaluate Potential for Contracting Nuclear Power	0.87	1.30	24.3			Pending
ESD-5	Support for Combined Heat and Power						Pending
ESD-6	Incentives and/or Mandate for Renewable Electricity (Scenario 1)	0.11	0.70	8.1	\$11	\$1.3	Pending
	(Scenario 2)	0.23	1.34	15.5	\$30	\$1.9	Pending
ESD-7	GHG Cap & Trade and/or GHG Tax						Pending
ESD-8	Incentives for Clean Distributed Technologies for Electricity or Heat						Pending
ESD-9	Wind-Specific Support measures (New Wind, Scenario 1)	0.05	0.28	3.2	-\$8	-\$2.4	Pending
	Wind-Specific Support Measures (New Wind, Scenario 2)	0.09	0.54	6.2	-\$5	-\$0.8	Pending
ESD-10	Hydro-Specific Support Measures (Continued Large Hydro)	0.02	1.28	19.9			Pending

	Policy Option	GHG Reductions (MMtCO ₂ e)			Net Present Value 2008–2030 (Million \$)	Cost-Effectiveness (\$/tCO ₂ e)	Level of Support
		2012	2028	Total 2008-2030			
	Hydro-Specific Support Measures (New Hydro, Scenario 1)	0.02	0.10	1.2	\$12	\$10.1	Pending
	Hydro-specific support measures (New Hydro, Scenario 2)	0.04	0.20	2.3	\$23	\$10.0	Pending
	SECTOR TOTAL AFTER ADJUSTING FOR OVERLAPS						
	REDUCTIONS FROM RECENT ACTIONS						
	SECTOR TOTAL PLUS RECENT ACTIONS						

*Note: Positive numbers for Net Present Value (NPV) and Cost-effectiveness reflect net costs. Negative numbers reflect net cost **savings**.*

Transportation and Land Use Technical Work Group
Summary List of Policy Options

	Mitigation 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			
TLU-1	Compact and Transit-Oriented Development Bundle	.15	.37	2.36	Net savings	Pending	
TLU-2	Alternatives to Single Occupancy Vehicles (SOVs)	.14	.37	2.72	Net savings	Pending	
TLU-3	Vehicle Emissions Reductions Incentives	.04	.15	.86	Net savings	Pending	
TLU-4	Pay as You Drive Insurance	.14	.37	2.72	Net savings	Pending	
TLU-5	Alternative Fuels and Infrastructure	In progress			In progress	Pending	
TLU-6	Regional Intermodal Transportation System – Freight and Passenger	.05	.11	.82	In progress	Pending	
TLU-7	Commuter Choice/Parking Cash-out	.03	.09	.64	Net savings	Pending	
TLU-8	Plug-in Hybrids	.1	.29	1.77	In progress	Pending	
TLU-9	Fuel Tax Funding Mechanism	.07	.08	.84	Net savings	Pending	
	SECTOR TOTAL BEFORE ADJUSTING FOR OVERLAPS	.72	1.83	12.73		Pending	
	REDUCTIONS FROM RECENT POLICY ACTIONS					Pending	
	SECTOR TOTAL PLUS RECENT POLICY ACTIONS	TBD	TBD	TBD	TBD	Pending	

Agriculture, Forestry, and Waste Management Technical Work Group
Summary List of Policy Options

	Policy Option	GHG Reductions (MMtCO ₂ e)			Net Present Value 2007–2028 (Million \$)	Cost-Effectiveness (\$/tCO ₂ e)	Level of Support
		2012	2028	Total 2007-2028			
AFW-1	Programs to Support Local Farming / Buy Local						Pending
AFW-2	Agricultural Soil Carbon Management Programs						Pending
AFW-3	Manure Management Methods to Achieve GHG Benefits						Pending
AFW-4	Protect Open Space / Agricultural Land						Pending
AFW-5	Forestry Programs to Enhance GHG Benefits						Pending
AFW-6	Increased Forest Biomass Energy Use						Pending
AFW-7	Forest Protection – Reduced Clearing and Conversion to Non-forest Cover						Pending
AFW-8	Expanded Use of Durable Wood Products (especially from VT sources)						Pending
AFW-9	Advanced / Expanded Recycling and Composting	0.16	0.88			\$3	Pending
AFW-10	Programs to Reduce Waste Generation						Pending
AFW-11	Waste Water Treatment – Energy Efficiency Improvements						Pending
AFW-12	In-State Liquid Biofuels Production – Ethanol Production	0.03	0.42	3.7	\$5	\$1	Pending
	In-State Liquid Biofuels Production – Biodiesel Production	0.004	0.24	2.2	\$40	\$18	
	SECTOR TOTAL AFTER ADJUSTING FOR OVERLAPS						
	REDUCTIONS FROM RECENT ACTIONS						
	SECTOR TOTAL PLUS RECENT ACTIONS						

Cross Cutting Technical Work Group
Summary List of Policy Options

	Policy Option	GHG Reductions (MMtCO ₂ e)			Net Present Value 2008–2028 (Million \$)	Cost-Effectiveness (\$/tCO ₂ e)	Level of Support
		2012	2028	Total 2008-2028			
CC-1	GHG Inventories and Forecasts	<i>Not Quantified</i>					Unanimous Consent
CC-2	GHG Reporting	<i>Not Quantified</i>					Unanimous Consent
CC-3	GHG Registry	<i>Not Quantified</i>					Unanimous Consent
CC-4	Public Education and Outreach	<i>Not Quantified</i>					Unanimous Consent
CC-5	Adaptation	<i>Not Quantified</i>					Unanimous Consent
CC-6	Options for Goals or Targets	<i>Not Quantified</i>					Pending
CC-7	The State’s Own GHG Emissions	<i>Not Quantified</i>					Pending
	SECTOR TOTAL AFTER ADJUSTING FOR OVERLAPS						
	REDUCTIONS FROM RECENT POLICY ACTIONS						
	SECTOR TOTAL PLUS RECENT POLICY ACTIONS						