

VOTE TALLY (Updated 7/19/07)
Energy Supply (ES) Technical Working Group

Vote Tally Here	Option No.	GHG Reduction Policy Option	Potential GHG Emissions Reduction	Cost per Ton	Other Considerations: Jobs, Fuel Imports, Externalities, Feasibility	Priority for Analysis	Notes
	ES-1	EMISSIONS POLICIES AND OVERARCHING ITEMS					
IN BY VIRTUE OF STAT.	1.1	GHG cap and trade	H	L/H		IN	Statute requires a report on cap-and-trade; CCAG must determine what kind of cap-and-trade would work.
1, 1, 1 = 30 pts.	1.2	Carbon (GHG) tax	H	L/H		11th	
1, 2, 1, 9, 2, 2, 8, 2, 1, 2, 1, 1 = 100 pts.	1.3	Generation Performance Standards or Mitigation Requirements	H	L/H		1st	
9, 2, 1, 1 = 31 pts.	1.4	Voluntary GHG targets	L/H	L/H		10th	
6, 4, 9, 3, 7 = 26 pts.	1.5	Technology-based approaches, including research & development, fuel cells, energy storage, distributed renewable	U	U		13th	

Vote Tally Here	Option No.	GHG Reduction Policy Option	Potential GHG Emissions Reduction	Cost per Ton	Other Considerations: Jobs, Fuel Imports, Externalities, Feasibility	Priority for Analysis	Notes	
		technologies, etc						
	1.6	Other Incentives to Encourage Upgrade of Existing Plants/Metro Emissions Reduction Project *(S)	-	-			From MN Recent Action List	
	ES-2	RENEWABLE ENERGY AND ENERGY EFFICIENCY						Primarily supply side efficiency
3, 8, 3, 1, 3, 3, 5 = 51 pts.	2.1	Renewable and/or Environmental Portfolio Standard *(S)	-	-		5th (TIE)	From MN Recent Action List Renewable Energy Objective 25 X 25	
8, 5, 4 = 16 pts.	2.2	Grid-based Renewable Energy Incentives and/or Barrier Removal; develop Renewable Energy Cert. market.	H	L/H				
6, 9, 4, 10, 7, 6, 6,7 = 33 pts.	2.3	Distributed Renewable Energy Incentives and/or Barrier Removal *(S)	-	-		12th	From MN Recent Action List Renewable Energy Production Incentive	
	2.4	Green Power Purchases and Marketing *(S)	-	-			From MN Recent Action List Green Power Pricing Options	

Vote Tally Here	Option No.	GHG Reduction Policy Option	Potential GHG Emissions Reduction	Cost per Ton	Other Considerations: Jobs, Fuel Imports, Externalities, Feasibility	Priority for Analysis	Notes
5, 6, 7, 9, 8, 3, 7, 5 = 38 pts.	2.5	Large-scale, supply-oriented Combined Heat and Power (CHP) & Geothermal Incentives and/or Barrier Removal	M-H	L		9th	
8, 9, 9 = 7 pts.	2.6	Pricing strategies to promote renewable energy and/or CHP (e.g. net metering)	U	U			
4 = 7 pts.	2.7	Renewable energy development issues (zoning, siting, etc.) *(S)	U	U			From MN Recent Action List Renewable Energy Production Incentive Community-Based Renewable Energy Development
7, 6, 2, 10, 5 = 25 pts.	2.8	Demand-side energy efficiency (RCI focus--)	M-H	L			
10, 6, 8, 4, 9, 8 = 21 pts.	2.9	Technology-focused initiatives (biomass, energy storage, etc.)	H	L/H			Combined with 1.5 after vote tally.
	2.10	Wind Energy Development *(S)	-	-			From MN Recent Action List
	2.11	Solar or Wind Easements *(S)	-	-			From MN Recent Action List
7, 7, 3, 7, 7, 6 = 29 pts.	2.12	Biomass for Electricity (i.e. District Energy St	-	-			From MN Recent Action List

Vote Tally Here	Option No.	GHG Reduction Policy Option	Potential GHG Emissions Reduction	Cost per Ton	Other Considerations: Jobs, Fuel Imports, Externalities, Feasibility	Priority for Analysis	Notes
		Paul, Laurentian) and heat for industrial processes *(S)					
	2.13	Solar energy development	H	H			
ES-3 FOSSIL FUEL AND NUCLEAR ELECTRICITY							
2, 4, 5, 4, 5, 6, 2 = 49 pts.	3.1	Advanced fossil fuel technology incentives, support, or requirements (IGCC, CCS, etc.)	H	M/H		7th	
5, 6, 2, 1, 8, 1, 8, 6 = 51 pts.	3.2	Nuclear Power Support and Incentives	H	H		5th (TIE)	
3, 5, 3, 6, 5, 4, 3, 9, 3 = 58 pts.	3.3	Efficiency Improvements, Repowering and other Upgrades to Existing Plants	U	U		3rd	
5 = 6 pts.	3.4	Biomass co-firing at fossil fuel power stations	M/H	L/M			
3, 10, 1, 6, 10, 10 = 26 pts	3.5	Technology-focused initiatives (fuel cells, energy storage, CCS on existing plants, etc.)	L/H	M/H			Combined with 1.5 after vote tally.

Vote Tally Here	Option No.	GHG Reduction Policy Option	Potential GHG Emissions Reduction	Cost per Ton	Other Considerations: Jobs, Fuel Imports, Externalities, Feasibility	Priority for Analysis	Notes
	3.6	Sulfur hexafluoride leak prevention in electric transmission & distribution	U	M/H			
ES-4 Fuel Production, Processing, and Delivery							
8, 7 = 7 pts.	4.1	Oil and Gas Production: GHG Emission Reduction Incentives, Support, or Requirements	H	H			
10, 10 = 2 pts.	4.2	Natural Gas Transmission and Distribution	U	U			
	4.3	Oil Refining: GHG Emission Reduction Incentives, Support, or Requirements	NA	NA			
	4.4	Coal Production: GHG Emission Reduction Incentives, Support, or Requirements	NA	NA			
8	4.5	Coal-to-liquids Production: GHG Emission	NA	NA			

Vote Tally Here	Option No.	GHG Reduction Policy Option	Potential GHG Emissions Reduction	Cost per Ton	Other Considerations: Jobs, Fuel Imports, Externalities, Feasibility	Priority for Analysis	Notes	
		Reduction Incentives, Support, or Requirements						
8, 9 = 5 pts.	4.6	Low-GHG Hydrogen production incentives and support	U	U				
2, 4, 2, 8, 9, 1, 2, 9, 2 = 60 pts.	4.7	Improve the GHG Profile of Biofuels and Fossil Fuels (e.g., Low Carbon Fuel Standard, biofuel production)	-	-		2nd		
	ES-5	Carbon Capture and Storage or Reuse (CCSR)						
8, 7, 3, 9, 4, 10, 4, 3 = 40 pts.	5.1	CCSR enabling policies (administration, regulation, liability, incentives) and incentives	H	M/H		8th		
9, 7, 6, 9, 4 = 18 pts	5.2	R&D for CCSR	U	U				

Vote Tally Here	Option No.	GHG Reduction Policy Option	Potential GHG Emissions Reduction	Cost per Ton	Other Considerations: Jobs, Fuel Imports, Externalities, Feasibility	Priority for Analysis	Notes	
	ES-6	Other Energy Supply Options						
4, 10, 5, 7, 5, 3, 2, 5, 4 = 54 pts.	6.1	Transmission System Upgrading, incl. reducing transmission and distribution line loss.	U	U		4th		
	6.2	General Distributed Generation Support (Interconnection Rules, Net Metering, etc.)	U	U				
4, 7 = 11 pts.	6.3	Reduce Transmission and Distribution Line Loss	U	U			Combined with 6.1 after vote tally	
6 = 5 pts.	6.4	Environmental (emissions) Disclosure	U	U				
5, 10 = 7 pts.	6.5	Energy regulatory policies to encourage reductions in GHGs, energy efficiency, e.g., decoupling, voltage regulators, etc.	H	U				
	6.6	Environmental	H	U				

Vote Tally Here	Option No.	GHG Reduction Policy Option	Potential GHG Emissions Reduction	Cost per Ton	Other Considerations: Jobs, Fuel Imports, Externalities, Feasibility	Priority for Analysis	Notes
8 = 3 pts.	6.7	Dispatch and Resource Planning Policy to ensure environmental costs are considered A per ton carbon adder in electricity resource planning	H	L/H			