

MD Energy Supply TWG Revised Summary Table 3/3/2008

Energy Supply Technical Work Group

	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)			
ES-1	Promotion of renewable energy (zoning, siting, incentives for centralized facilities, long-terms contracting, performance-based contracting)	0.2	0.4	2.8	\$97	\$34.2	Pending
ES-2	Technology-focused initiatives for electricity supply (biomass co-firing, energy storage, fuel cells, landfill gas, clean energy incentives)	U	U	U	U	U	Pending
ES-3	GHG cap-and-trade	Pending	Pending	Pending	Pending	Pending	Pending
ES-4	CCSR incentives, requirements and/or enabling policies (administration, regulation, liability, incentives)	0.0	2.9	23.6	\$1,770	\$75.1	Pending
	Low efficiency	0.0	2.6	21.0	\$1,075	\$51.2	
	Medium efficiency	0.0	2.9	23.6	\$1,770	\$75.1	
	High efficiency	0.0	3.2	25.7	\$2,288	\$89.0	
ES-5	Clean Distributed Generation: standards, incentives and barrier removal for distributed generation, including combined heat and power (CHP), district heating and cooling, landfill gas, solar, fuel cells and other forms of renewable energy.						Pending
	ES-5a Distributed Generation	0.3	1.0	6.23	\$244	\$39.21	
	ES-5b Combined Heat & Power	0.2	0.8	4.7	\$102	\$21.57	
ES-6	Integrated resource planning (IRP) with or without re-regulation and/or state energy plan	U	U	U	U	U	Pending
ES-7	Renewable and/or Environmental Portfolio Standard (e.g., add CHP and/or EE to RPS as additional tier) and/or Energy Efficiency Portfolio Standard	2.8	5.9	47.9	\$1,378	\$22.6	Pending
ES-8	Efficiency improvements and repowering existing plants						Pending
	ES-8a Biomass component	1.1	1.9	16.9	\$354	\$21.0	
	ES-8b Repowering component	0.5	2.8	15.1	\$1,247	\$82.5	
ES-9	Carbon (GHG) tax	Pending	Pending	Pending	Pending	Pending	Pending
ES-10	Generation performance standards and/or mitigation requirements for electricity						Pending
	GPS - 1125 lb CO ₂ e per MWh	0.3	0.7	5.0	\$77.3	\$15.5	
	GPS - 1100 lb CO ₂ e per MWh	0.9	1.2	11.5	\$318.3	\$27.7	
	GPS - 1050 lb CO ₂ e per MWh	1.9	2.3	24.6	\$801.8	\$32.6	