

Table EX-1. Policy options recommended by the CCAC

	Policy Option		GHG Reductions (MMtCO ₂ e) Total 2007–2020	Cost Effectiveness (\$/tCO ₂ e)
	RESIDENTIAL, COMMERCIAL, INSTITUTIONAL, AND INDUSTRIAL			
RCII-1	Demand-Side Management Programs, Efficiency Funds and Requirements (and Financial Incentives)		6.6	–\$21
RCII-2	Market Transformation and Technology Development Programs		1.9	–\$23
RCII-3	State-Level Appliance Efficiency Standards and State Support for Improved Federal Standards		1.5	–\$36
RCII-4	Building Energy Codes		1.6	–\$10
RCII-5	"Beyond Code" Building Design Incentives and Mandatory Programs		3.4	–\$5
RCII-6	Consumer Education Programs		<i>Not quantified</i>	
RCII-10	Industrial Energy Audits and Recommended Measure Implementation		3.6	–\$26
RCII-11	Low-Income and Rental Housing Energy Efficiency Programs		4.7	–\$9
RCII-12	State Lead by Example		2.0	–\$6
RCII-13	Metering Technologies With Opportunity for Load Management and Choice		0.9	–\$12
	Sector Total After Adjusting for Overlaps		18.4	–\$17
	Reductions From Recent Actions			
RCII-1	Expand Energy Efficiency Funds		6.5	
RCII-11	Low-Income Energy Efficiency Programs		0.4	
	Sector Total Plus Recent Actions		25.3	
	ENERGY SUPPLY			
ES-1	Environmental Portfolio Standard (Renewables and Energy Efficiency)	Efficiency / Conservation	5.4	–\$15
		Renewable Energy	5.5	\$10
ES-2	Renewable Energy Incentives (Biomass, Wind, Solar, Geothermal)		<i>Not quantified separately (see ES-1 and ES-4)</i>	
ES-3	Research and Development (R&D), Including R&D for Energy Storage and Advanced Fossil Fuel Technologies		<i>Not quantified</i>	
ES-4	Incentives and Barrier Removal (Including Interconnection Rules and Net Metering Arrangements) for Combined Heat and Power (CHP) and Clean Distributed Generation (DG)	Distributed Renewables	0.8	\$21
		Combined Heat and Power	5.0	\$16
ES-5	Incentives for Advanced Fossil Fuel Generation and Carbon Capture and Storage (CCS), Including Combined Hydrogen and Electricity Production with Carbon Sequestration	Reference Case	4.5	\$30
		High Fossil Fuel Scenario	24.4	\$30
ES-6	Efficiency Improvements and Repowering of Existing Plants		<i>Not quantified</i>	
ES-7	Demand-Side Management		<i>Not quantified separately (see ES-1 and RCII-1)</i>	
ES-8/9	Market-Based Mechanisms to Establish a Price Signal for GHG Emissions (GHG Cap-and-Trade or Tax)		<i>Not quantified</i>	

ES-10	Generation Performance Standards or GHG Mitigation Requirements for New (and/or Existing) Generation Facilities, With/Without GHG Offsets		4.7	\$13
ES-11	Methane and CO ₂ Reduction in Oil and Gas Operations, Including Fuel Use and Emissions Reduction in Venting and Flaring	Reference Case	3.9	<i>Likely net benefit</i>
		High Fossil Fuel Case	6.6	<i>Likely net benefit</i>
ES-12	GHG Reduction in Refinery Operations, Including in Future Coal-to-Liquids Refineries	Coal-to-Liquids High Fossil Fuel Case	35	<i>Not estimated</i>
		Petroleum Refining – Reference Case	1.5	<i>Not estimated</i>
		Petroleum Refining – High Fossil Fuel Case	2.2	<i>Not estimated</i>
	Sector Total After Adjusting for Overlaps (Among ES Options and After Demand Reductions From RCI Options)	Reference Case	21.9	\$17
		High Fossil Fuel Case	79.4	\$24
TRANSPORTATION AND LAND USE				
TLU-1	Light-Duty Vehicle Clean Car Standards		4.92	–\$100
TLU-2	Fuel Efficient Replacement Tires Program		0.14	–\$90
TLU-3	Consumer Information on Vehicle Miles Per Gallon		<i>Included in TLU-1 and TLU-2</i>	
TLU-4	Financial and Market Incentives for Low GHG Vehicle Ownership and Use		<i>Included in TLU-1</i>	
TLU-5	Growth and Development Bundle		0.77	<\$0
TLU-6	Low-Carbon Fuels		0.39	N/A
TLU-7	Heavy-Duty Vehicle Emissions Standards and Retrofit Incentives		0.16	\$79
TLU-8	Heavy-Duty Vehicle and Locomotive Idle Reduction		0.13	–\$44
TLU-9	Procurement of Efficient Fleet Vehicles		<i>Included in TLU-1, TLU-6 through TLU-8, and TLU-11</i>	
TLU-10	Transportation System Management		<i>Not quantified</i>	
TLU-11	Intermodal Freight Transportation		0.59	N/A
TLU-12	Off-Road Engines and Vehicles GHG Emissions Reductions		<i>Not quantified</i>	
TLU-13	Reduced GHG Emissions From Aviation		<i>Not quantified</i>	
	Sector Total After Adjusting for Overlaps		6.1	–\$93
AGRICULTURE, FORESTRY, AND WASTE MANAGEMENT				
AFW-1	Agricultural Soil Carbon Management – Conservation/No-Till		3.7	\$0
	Agricultural Soil Carbon Management – Organic Farming		<i>Not quantified</i>	
AFW-2	Biodiesel Production (Incentives for Feedstocks and Production Plants)		0.9	\$14
AFW-3	Ethanol Production		2.2	\$4
AFW-4*	Incentives for Enhancing GHG Benefits of Conservation Provisions of Farm Bill Programs		15	\$12
AFW-5	Preserve Open Space and Working Lands – Agriculture		0.12	\$32
	Preserve Open Space and Working Lands – Forests		0.9	\$3
AFW-7	Expanded Use of Biomass Feedstocks for Energy Use		1.1	–\$23
AFW-8	Afforestation/Reforestation Programs – Restocking		3.4	\$12
	Afforestation/Reforestation Programs – Urban Trees		0.04	–\$3
AFW-9	Improved Management and Restoration of Existing Stands		1.3	\$119
AFW-10	Expanded Use of Wood Products for Building Materials		<i>Not quantified</i>	
AFW-11	Programs to Promote Local Food and Fiber		0.12	\$5

AFW-12	Enhanced Solid Waste Recovery and Recycling	3.3	\$17
	Reductions From Recent Actions	0	\$0
	Sector Total Plus Recent Actions	17	\$26
	CROSS CUTTING ISSUES		
CC-1	GHG Inventories and Forecasts	<i>Not quantified</i>	
CC-2	State GHG Reporting	<i>Not quantified</i>	
CC-3	State GHG Registry	<i>Not quantified</i>	
CC-4	State Climate Public Education and Outreach	<i>Not quantified</i>	
CC-6	Options for State GHG Goals or Targets	<i>Not quantified</i>	
CC-7	The State's Own GHG Emissions	<i>Not quantified</i>	

N/A = not applicable

* AFW-4 reductions were left out of the totals because they were not counted in the inventory.