

Climate Action Plan

Recommended Actions Tracking Process

For purposes of tracking progress, development, and carbon reduction for the Recommended Actions in the NH Climate Action Plan, the following Recommended Actions Tracking Process is being used.

Each Recommended Action from the Plan has been reviewed and grouped using a combination of factors including:

- Carbon Reductions for 2012, 2025, and 2050
- Cost & Benefit and timing of impact of those Cost & Benefits
- Networks, as defined by the Collaborative Diagram, that are Established, Developing, and Not Yet Established
- Types of Actions – Education/Communication, Infrastructure, & Process/Planning

This Tracking Process will drive the work of the Collaborative staff for developing the inventory, the analysis, and reports that drive future problem solving/obstacle discussions.

Recommended Actions with Established Networks
 Primary Focus for initial Inventory Data Collection

Recommended Action		Code	CO2 reduction 2012	CO2 reduction 2025	CO2 reduction 2050	Cost	Benefit	Timing of Impact - Costs	Timing of Impact - Benefits
			[MMTCO2e/year]			Economic Impact [2008 Dollars]	Timing of Economic Impact		
1.) Maximize Energy Efficiency in Existing Residential Buildings		RCI 1.2	0.78*	3.29*	3.29*	2	6		
Supporting Actions of RCI 1.2	a.) Upgrade Building Energy Codes	RCI 1.4a	0.21	0.87	2.13	3	5	2	1
	b.) Increase the Use of Combined Heat and Power	EGU 1.3	0.15	0.53	0.69	3	5	3	1
	c.) Increase Renewable Energy and Low-CO2 Emitting Thermal Energy Systems	RCI 3.1	0.03	0.13	0.24	4	3	1	1
	d.) Increase Building Energy Code Compliance	RCI 1.4b	0.03	0.12	0.28	1	3	2	1
	e.) Increase Energy Efficiency through Building Management Education Programs	RCI 4.2				5	4	1	1
	f.) Establish a Comprehensive Energy Efficiency and Renewable Energy Education Program	RCI 4.4				5	3	1	1
	g.) Include Energy Efficiency and Conservation in School Curriculum	RCI 4.1				6		2	
	h.) Reduce Residential Energy Demand through Education and Outreach	RCI 4.3				6		2	
	i.) Create an Energy Efficiency and Sustainable Energy Systems Web Portal	RCI 4.5				6		2	
	j.) Develop and Overarching Outreach and Education Plan	RCI 4.6							
	k.) Establish an Energy Properties Section in Real Estate Property Listings	RCI 1.5							

*RCI 1.2 Carbon Reduction Totals are more than the sum of the Carbon Reduction Totals of the Supporting Actions. Additional actions are needed.

Recommended Actions with Established Networks
 Primary Focus for initial Inventory Data Collection

Recommended Action	Code	CO2 reduction 2012	CO2 reduction 2025	CO2 reduction 2050	Cost	Benefit	Timing of Impact - Costs	Timing of Impact - Benefits	
		[MMTCO2e/year]			Economic Impact [2008 Dollars]	Timing of Economic Impact			
2.) Maximize Efficiency in New Construction	RCI 1.1	0.46*	2.85*	6.93*	1	6	2	1	
Supporting Actions of RCI 1.1	a.) Upgrade Building Energy Codes	RCI 1.4a	0.21	0.87	2.13	3	5	2	1
	b.) Increase the Use of Combined Heat and Power	EGU 1.3	0.15	0.53	0.69	3	5	3	1
	c.) Increase Renewable Energy and Low-CO2 Emitting Thermal Energy Systems	RCI 3.1	0.03	0.13	0.24	4	3	1	1
	d.) Increase Building Energy Code Compliance	RCI 1.4b	0.03	0.12	0.28	1	3	2	1
	e.) Increase Energy Efficiency through Building Management Education Programs	RCI 4.2				5	4	1	1
	f.) Establish a Comprehensive Energy Efficiency and Renewable Energy Education Program	RCI 4.4				5	3	1	1
	g.) Include Energy Efficiency and Conservation in School Curriculum	RCI 4.1				6		2	
	h.) Reduce Residential Energy Demand through Education and Outreach	RCI 4.3				6		2	
	i.) Create an Energy Efficiency and Sustainable Energy Systems Web Portal	RCI 4.5				6		2	
	j.) Develop and Overarching Outreach and Education Plan	RCI 4.6							
	k.) Establish an Energy Properties Section in Real Estate Property Listings	RCI 1.5							

*RCI 1.1 Carbon Reduction Totals are more than the sum of the Carbon Reduction Totals of the Supporting Actions. Additional actions are needed.

Recommended Actions with Established Networks
 Primary Focus for initial Inventory Data Collection

Recommended Action		Code	CO2 reduction	CO2 reduction	CO2 reduction	Cost	Benefit	Timing of Impact - Costs	Timing of Impact - Benefits
			2012	2025	2050			Timing of Economic Impact	
			[MMTCO2e/year]			Economic Impact [2008 Dollars]			
3.) Implement Regional Greenhouse Gas Initiative (RGGI)		EGU 2.2	0.47*	2.79*	5.92*	4	4	2	1
Supporting Actions of EGU 2.2	a.) Enable Importation of Canadian Hydro and Wind Generation	EGU 2.6	6.09	6.09	6.09				
	b.) Promote Renewable Energy through the Electric Portfolio Standard (RPS)	EGU 2.1	0.28	1.40	1.81	5	3	2	1
	c.) Optimize Availability of Biomass for Electricity and Heating within Sustainable Limits	AFW 2.2	1.63	1.81	2.25				
	d.) Allow Regulated Utilities to Build Renewable Generation	EGU 2.7	0.14	0.56	1.12				
	e.) Address Barriers to Low and Non-CO2 Emitting Electric Generation	EGU 2.4						2	
	f.) Identify and Deploy the Next Generation of Electric Grid Technologies	EGU 2.8							
	g.) Promote Low and Non-CO2 Emitting Distributed Generation	EGU 2.9							
	h.) Encourage the Use of Biogenic Waste Sources for Energy Generation	AFW 2.4							
	i.) Consider Alternative Rate Design	EGU 1.1						2	

*EGU 2.2 Carbon Reduction Totals are not the sum of the Carbon Reduction Totals of the Supporting Actions. Some Supporting Action Carbon Reduction Totals are based on New England figures while EGU 2.2 is solely based on New Hampshire figures.

Recommended Actions with Established Networks
 Primary Focus for initial Inventory Data Collection

Recommended Action	Code	CO2 reduction 2012	CO2 reduction 2025	CO2 reduction 2050	Cost	Benefit	Timing of Impact - Costs	Timing of Impact - Benefits	
		[MMTCO2e/year]			Economic Impact [2008 Dollars]	Timing of Economic Impact			
4.) Maximize Energy Efficiency in Existing Commercial, Industrial, and Municipal Buildings	RCI 1.3	0.54*	2.29*	2.8*	3	6	1	1	
Supporting Actions of RCI 1.3	a.) Upgrade Building Energy Codes	RCI 1.4a	0.21	0.87	2.13	3	5	2	1
	b.) Increase the Use of Combined Heat and Power	EGU 1.3	0.15	0.53	0.69	3	5	3	1
	c.) Increase Renewable Energy and Low-CO2 Emitting Thermal Energy Systems	RCI 3.1	0.03	0.13	0.24	4	3	1	1
	d.) Increase Building Energy Code Compliance	RCI 1.4b	0.03	0.12	0.28	1	3	2	1
	e.) Increase Energy Efficiency through Building Management Education Programs	RCI 4.2				5	4	1	1
	f.) Establish a Comprehensive Energy Efficiency and Renewable Energy Education Program	RCI 4.4				5	3	1	1
	g.) Include Energy Efficiency and Conservation in School Curriculum	RCI 4.1				6		2	
	h.) Reduce Residential Energy Demand through Education and Outreach	RCI 4.3				6		2	
	i.) Create an Energy Efficiency and Sustainable Energy Systems Web Portal	RCI 4.5				6		2	
	j.) Install Higher-Efficiency Equipment, Processes, and Systems	RCI 2.1							

*RCI 1.3 Carbon Reduction Totals are more than the sum of the Carbon Reduction Totals of the Supporting Actions. Additional actions are needed.

Recommended Actions with Established Networks
 Primary Focus for initial Inventory Data Collection

Recommended Action	Code	CO2 reduction 2012	CO2 reduction 2025	CO2 reduction 2050	Cost	Benefit	Timing of Impact - Costs	Timing of Impact - Benefits
		[MMTCO2e/year]			Economic Impact [2008 Dollars]	Timing of Economic Impact		
5.) Support Stricter Corporate Average Fuel Economy Standards	TLU 1.A.1	0.27	2.37	3.75	3	6	2	1
6.) Adopt California Low Emission Vehicle (CALEV) Standards	TLU 1.A.3	0.16	1.78	2.62	4	4	2	1
7.) Install Retrofits to Address Black Carbon Emissions	TLU 1.C.3	0.23	1.30	2.25	3	1	1	2
8.) Create a Point-of-Sale Financial Incentive for High-Efficiency Vehicles	TLU 1.B.1	0.34	1.07	1.47	6	5	2	1
9.) Support Fuel Economy Standards for Heavy-Duty Vehicles	TLU 1.A.2	0.22	0.94	1.82	3	3	1	2
10.) Adopt a Low-Carbon Fuel Standard	TLU 1.C.1	0.00	0.89	1.32	6	3	1	2

Recommended Actions with Developing Networks

Initial Inventory has begun but as Networks Continue to Develop, Inventory will evolve

Recommended Action	Code	CO2 reduction 2012	CO2 reduction 2025	CO2 reduction 2050	Cost	Benefit	Timing of Impact - Costs	Timing of Impact - Benefits
		[MMTCO2e/year]			Economic Impact [2008 Dollars]		Timing of Economic Impact	
41.) Maximize Energy Efficiency in Existing Residential Buildings	RCI 1.2	0.78*	3.29*	3.29*	2	6		
42.) Establish an Energy Management Unit to Address State Energy Consumption and Greenhouse Gas Emissions	GLA 1.1							
43.) Establish an Energy Consumption and Greenhouse Gas Emissions Baseline Inventory for State Government	GLA 1.2							
44.) Establish a Self-Sustaining Fund for Energy Efficiency Projects in State Government	GLA 1.3							
45.) Support the Establishment of Local Energy Commissions	GLA 1.4							
46.) Include Climate Change Adaptation and Mitigation in Programs and Planning	GLA 1.5							
47.) Promote Public School Siting and Building Aid to Reduce Energy Use	GLA 2.6							
48.) Develop a Climate Change Adaptation Plan for the State of New Hampshire	ADP 8							
49.) Develop and Distribute Critical Information on Climate Change	ADP 1							
50.) Promote Policies and Actions to Help Populations Most at Risk	ADP 2							
51.) Charge and Empower Public Health Officials to Prepare for Climate Change	ADP 3							
52.) Strengthen Protection of New Hampshire's Natural Systems	ADP 4							
53.) Increase Resilience to Extreme Weather Events	ADP 5							
54.) Strengthen the Adaptability of New Hampshire's Economy to Climate Change	ADP 6							