

# **Catalog of Climate Change Investment Opportunities: Programs and Projects in Maine**

*Produced by University of Maine Cooperative Extension and Maine Sea Grant along with the Environmental Funders Network, a project of the Maine Community Foundation and the Maine Philanthropy Center, and with support from the Kendall Foundation and the Horizon Foundation.*

*April 2008*

### Catalog of Climate Change Investment Opportunities

This catalog acts as a baseline inventory, or snapshot, of Maine's climate change efforts, as of April 10, 2008, and may be referred to and added onto with time as resources evolve. Although every effort was made to create a comprehensive and inclusive catalog, the authors recognize that due to the dynamic and expanding nature of the issue, it is impossible that this review captures every detail of the multifaceted movement. For now, this catalog stands as the only comprehensive reference and guide that addresses the breadth of Maine's climate change efforts in the varied areas of government policies and initiatives, nonprofits, private sector, college and university initiatives, and ongoing research. Although specifically intended as a guide for investors, this catalog also serves as a networking resource for the individuals and organizations active in these ongoing efforts while also providing the greater public with a concise reference to the activity and innovation present in Maine. The following entries were compiled using mission statements and consultations from the listed organizations, and do not reflect the opinion, views, or knowledge of the Environmental Funders Network, Maine Philanthropy Center, University of Maine Cooperative Extension, or Maine Sea Grant.

Laura Brothers  
Orono, ME  
April 10, 2008

## Table of Contents

NONPROFIT ORGANIZATIONS..... 1

- American Lung Association of Maine..... 1
- Androscoggin Valley Soil and Water Division..... 2
- The Chewonki Foundation..... 3
- Clean Air-Cool Planet..... 4
- The Climate Registry..... 5
- Coastal Enterprises, Inc..... 6
- Conservation Law Foundation..... 7
- Environment Maine..... 8
- Environment Northeast..... 9
- Food for Maine’s Future.....10
- Friends of Midcoast Maine.....11
- Greater Portland Council of Governments.....12
  - Maine Clean Communities = MC<sub>2</sub>.....12
  - GO MAINE.....12
- GrowSmart Maine.....13
- ICLEI-Local Governments for Sustainability.....14
- Island Institute.....15
- Maine Audubon..... 16
- Maine Center for Economic Policy..... 17
- Maine Council of Churches.....18
- Maine Energy Investment Corporation..... 19

Maine Interfaith Power and Light..... 20

Maine Land Trust Network..... 21

Maine Organic Farmers and Gardeners Association..... 22

Maine Partners for Cool Communities..... 23

Maine Rural Partners..... 24

Manomet Center for Conservation Sciences..... 25

Midcoast Green Collaborative..... 26

Natural Resources Council of Maine..... 27

The Nature Conservancy..... 28

Physicians for Social Responsibility Maine Chapter..... 29

Sierra Club Maine Chapter..... 30

PRIVATE SECTOR..... 31

    Efficiency Maine Business Program..... 31

    Efficiency Maine Renewable Energy..... 32

    Environmental and Energy Technology Council of  
         Maine (E2Tech)..... 33

    The Governor’s Carbon Challenge..... 34

    Maine Businesses for Social Responsibility..... 35

    U.S. Green Buildings Maine Chapter..... 36

PUBLIC SECTOR..... 37

    Clean Government Initiative..... 37

    Climate Action Plan for Maine..... 38

    Department of Conservation..... 39

Department of Environmental Protection..... 40

    Environmental Leaders of Maine..... 40

    Green Business Certification..... 41

Department of Transportation..... 42

Federal Energy Regulation Commission..... 43

Office of Energy Independence and Security..... 44

Energy Resources Council..... 45

MaineHousing ..... 46

Maine PowerOptions..... 47

Maine Public Utilities Commission..... 48

    Efficiency Maine..... 48

    Carbon Free Homes..... 48

Maine State Planning Office..... 49

    Maine Coastal Program..... 49

    Land for Maine’s Future..... 50

NESCAUM..... 51

New England Governors’ Conference, Inc..... 52

New England Governors/Eastern Canadian Premiers..... 53

Regional Greenhouse Gas Initiative (RGGI)..... 54

COLLEGES & UNIVERSITIES..... 55

    American College and University Presidents' Climate  
    Commitment..... 55

    Green Campus Consortium of Maine..... 56

Bates College..... 57

Bowdoin College..... 58

Colby College..... 59

College the Atlantic..... 60

Maine Sea Grant..... 61

Unity College..... 62

University of Maine..... 63

    Maine Climate Change Assessment..... 64

University of Maine Cooperative Extension..... 65

    Marine Extension..... 65

University of Maine at Farmington..... 66

University of Maine at Fort Kent..... 67

University of Maine at Machias..... 68

University of New England..... 69

University of Southern Maine..... 70

St. Joseph's College..... 71

RESEARCH ENTITIES..... 72

    Climate Change Institute..... 72

    Gulf of Maine Research Institute..... 73

    Maine Geological Survey..... 74

    Margaret Chase Smith Policy Center..... 75

    Muskie School of Public Service..... 76

Senator George J. Mitchell Center for

Environmental & Watershed Research.....	77
USDA-ARS New England Plant, Soil, and Water Laboratory.....	78
USGS Water Science Center.....	79

## Nonprofits

### **American Lung Association of Maine**

122 State Street

Augusta, ME 04330

207-622-6394; 1-800-499-LUNG

info@lungme.org

<http://www.lungme.org>

Concentration	lung health, air quality, fossil fuel reduction
Activities	advocacy, research
Geographic Range	Maine
Executive Director	Edward Miller, <a href="mailto:emiller@lungme.org">emiller@lungme.org</a>
Number of Staff	11 full-time permanent; 2 part-time summer

Organized in 1911, the mission of the American Lung Association of Maine (ALAMe) is to lead in lung health promotion and lung disease prevention in Maine. The organization does this through research, legislation, and education. Currently ALAMe is engaged in its third major campaign of the past 100 hundred years. The first two campaigns were the fights against tuberculosis and smoking. The present campaign is the Healthy Air Campaign, which focuses on transforming our current fossil fuel-dependent transportation and energy systems into ones that are renewable, non-polluting, and lung healthy. ALAMe partners with government, businesses, and other nonprofits to achieve its aims. American Lung Association of Maine is a member of the Maine Global Warming Action Coalition.

**Androscoggin Valley Soil and Water Conservation District**

254 Goddard Road  
 P.O. Box 1938  
 Lewiston, ME 04241  
 207-753-9400 x3  
 androscogginswcd.net

Concentration	conservation and stewardship of soil, water, and related natural resources
Activities	technical assistance and educational programming
Geographic Range	Androscoggin and Sagadahoc counties
Project Manager	Susan Gammon, susan.gammon@me.nacdnet.net
Number of staff	3 full-time

The Androscoggin Valley Soil and Water Conservation District was founded in the belief that all local people are responsible for the stewardship of natural resources. It provides the bridge between citizens and local, state, and federal agencies, bringing them to the table to solve local environmental problems impacting our natural resources. A pilot project, the Maine Carbon Credit Program, focuses on statewide outreach and education about conservation practices that increase carbon sequestration and reduce carbon dioxide emissions, other environmental benefits of using these conservation practices, climate change issues, and carbon markets and trading. The establishment of a soils carbon baseline for croplable soils in the state is central to the project. A baseline is needed to include agricultural conservation practices in a voluntary carbon credit marketing program, another goal of the program. The pilot was funded by a state USDA/NRCS Conservation Innovation Grant with match, either cash or in-kind from the Maine Department of Environmental Protection, Maine Department of Agriculture, Maine Rural Partners, Maine Association of Conservation Districts, Time and Tide RC & D, and the University of Southern Maine.

**The Chewonki Foundation**

485 Chewonki Neck Road  
 Wiscasset, ME 04578  
 207-882-7323  
 lauralyn@chewonki.org  
 http://www.chewonki.org

Concentration	environmental, sustainability, outdoor education
Activities	conferences, trips, tours, lessons, demonstrations, camps, and partnerships
Geographic Range	Maine
Director	Don Hudson, donhudson@chewonki.org
	Pathways to a Sustainable Future Program Director, Peter Arnold, parnold@chewonki.org
Number of Staff	70 year-round, 160 in the summer

Founded as a youth camp in 1915, Chewonki Foundation offers a broad array of environmental and sustainability education programs which include camps for girls and boys; wilderness trips and workshops for adults, families, educators, and groups; and a residential academic program for high school juniors. The Chewonki Foundation has a program entitled Pathways to a Sustainable Future that harbors the organization’s conservation and energy curriculum. The program develops materials and demonstration projects on topics from solid waste management to the use of renewable fuels. Each spring Chewonki holds a Sustainable Energy Conference. The daylong conference features experts and academic leaders in the field of sustainability and renewable energy, showcases the latest technologies and vendors from New England, and offers multiple workshops. Chewonki Foundation practices sustainability through conservation measures, green building design, and the use of renewable energy. The organization offers educational tours of its facilities to interested groups. Chewonki Foundation is an active partner in several climate change related alliances including Maine Economic Investment Company, Green Campus Consortium of Maine, Clean Air-Cool Cities, Maine Green Power and Maine Global Warming Action Coalition. Chewonki dedicates the equivalent of 28 employees to climate change efforts.

**Clean Air-Cool Planet**

100 Market Street, Suite 204  
 Portsmouth, NH 03801  
 603-422-6464  
[info@cleanair-coolplanet.org](mailto:info@cleanair-coolplanet.org)  
<http://www.cleanair-coolplanet.org/>

Concentration	reducing greenhouse gas emissions
Activities	organizing network, partnerships, outreach, advocacy
Geographic Range	Northeastern United States
Manager, NH Office	Bill Burtis, <a href="mailto:bburtis@cleanair-coolplanet.org">bburtis@cleanair-coolplanet.org</a>
	Community Program Organizer, Christa Koehler, <a href="mailto:ckoehler@cleanair-coolplanet.org">ckoehler@cleanair-coolplanet.org</a>
Number of Staff	16

Clean Air-Cool Planet is a nonprofit organization based in the Northeastern U.S. dedicated to slowing global warming through the development of economically efficient and innovative climate policies, and mobilizing civic engagement to implement practical climate solutions. Clean Air-Cool Planet partners with companies, campuses, communities, and science centers to help reduce their carbon emissions. They have extensive outreach and advocacy programs and work to build support for the implementation and strengthening of the New England Governors and Eastern Canadian Premiers’ regional Climate Change Action Plan and national programs to reduce emissions through their Climate Policy Center. Several Maine colleges and universities partner with the Clean Air-Cool Planet as does the City of Portland, Maine ([http://www.cleanair-coolplanet.org/for\\_communities/cacp/Portland.php](http://www.cleanair-coolplanet.org/for_communities/cacp/Portland.php)).

**The Climate Registry**

P.O. Box 712545  
 Los Angeles, CA 90071  
 1-866-523-0764  
[info@theclimateregistry.org](mailto:info@theclimateregistry.org)  
<http://www.theclimateregistry.org/>

Type of Organization	nonprofit
Concentration	greenhouse gas emissions
Activities	design and implement greenhouse gas emissions measuring, reporting protocol
Geographic Range	Canada, USA, Mexico, Native American tribes
Executive Director	Diane Wittenberg, <a href="mailto:diane@theclimateregistry.org">diane@theclimateregistry.org</a>
	Maine contact, Kevin Macdonald (Maine DEP), <a href="mailto:kevin.macdonald@maine.gov">kevin.macdonald@maine.gov</a>
Number of Maine staff	.25

The Climate Registry is a nonprofit partnership developing an accurate, complete, consistent and transparent greenhouse gas emissions measurement protocol that is capable of supporting voluntary and mandatory greenhouse gas emission reporting policies for its members and reporters. It will provide a verified set of greenhouse gas emissions data from its reporters supported by a robust accounting and verification infrastructure. It is designed to work in tandem with other greenhouse gas emissions measurement efforts such as the RGGI, Northeast States for Coordinated Air Use Management (NESCUM), U.S. EPA and U.S. Conference of Mayors (Cool Cities). The Registry works with other organizations to ensure that its efforts are consistent and complementary with other greenhouse gas-related program efforts.

**Coastal Enterprises, Inc.**

36 Water Street  
 P.O. Box 268  
 Wiscasset, ME 04578  
 207-882-7552; 1-877-340-2649  
 cei@ceimaine.org  
<http://www.ceimaine.org/>

Concentration	community development
Activities	promote sustainability
Geographic Range	Maine, New England and upstate New York
Director	Natural Resources and Sustainable Communities Program Director, Stephen Cole, scole@ceimaine.org
Number of Staff	85

Coastal Enterprises, Inc. (CEI) is a private, nonprofit Community Development Corporation (CDC) and Community Development Financial Institution (CDFI) with roots in the civil rights movement. Founded in 1977, the organization provides financing and support in the development of job-creating small businesses, natural resources industries, community facilities, and affordable housing. CEI employs a holistic developmental approach to address the complex, interwoven issues inherent in any development effort, whether poverty alleviation, rural development, or environmental sustainability. Internally, CEI is applying this triple bottom line approach to its financing, affordable housing, and community development programs. CEI is a member of the Triple Bottom Line Coalition, a national network of community development corporations working to make environmental sustainability a stronger element of community development practice. CEI's primary market is Maine, but, in recent years, the corporation has expanded several of its financing programs to northern New England, upstate New York, and beyond.

**Conservation Law Foundation**

Maine Advocacy Center  
 14 Maine Street, Suite 200  
 Brunswick, Maine 04011  
 207-729-7733  
<http://www.clf.org/states/maine/>

Concentration	environmental advocacy
Activities	legal advocacy, policy development, partnerships
Geographic Range	Maine, New England
President	Philip Warburg
	Vice President and Director of Maine’s Advocacy Center, Sean Mahoney, smahoney@clf.org
Number of Staff	4 (Maine office), 41 total

Since 1966, the Conservation Law Foundation’s (CLF) advocacy staff have worked to solve the most significant environmental problems that threaten New England. CLF’s advocates use law, economics, and science to create innovative strategies to conserve natural resources, protect public health, and promote vital communities in the region. CLF’s work falls under four programs: Ocean Conservation, Clean Water and Healthy Forests, Clean Energy and Climate Change, and Healthy Communities and Environmental Justice. With respect to climate change, CLF is a strong advocate of policies that reduce greenhouse gas emissions, increase energy efficiency, promote renewable energy sources, and curb air pollution. CLF frequently collaborates with regional and national nonprofits, businesses, and government agencies to advance these goals. CLF has been a leading proponent of developing Maine’s renewable resources, such as wind and tides, and has been a chief defender of Maine and New England’s efforts to impose more stringent standards to regulate greenhouse gas emissions from cars and trucks. CLF will also pursue legal strategies to prevent projects that are inconsistent with those policies, such as a coal-fired power plant proposed in 2007 in the Wiscasset area. CLF believes that Maine and New England can serve as a national and international model by creating local, state, and regional climate protection strategies to reduce greenhouse gas emissions.

**Environment Maine**

39 Exchange Street, Suite 301  
 Portland, ME 04101  
 207-253-1965  
 info@environmentmaine.org  
<http://www.EnvironmentMaine.org/>

Concentration	addressing global warming, promoting clean energy, preservation of open spaces, protecting waterways
Activities	advocacy, policy research, citizen education and engagement
Geographic Range	Maine
Director	Matthew Davis, mdavis@environmentmaine.org
Number of Staff	4-6 full-time equivalents

Environment Maine is a statewide, citizen-based environmental advocacy organization with more than 4,000 citizen members. Environment Maine’s professional staff combines independent research, practical ideas, and advocacy to win results for Maine’s environment. Environment Maine draws on 30 years of success in tackling Maine’s top environmental problems. Issues that Environment Maine addresses include global warming, clean energy, preservation, clean water, and environmental health. Environment Maine has campaigns to cap global warming pollution, cut power plant pollution, invest in public transportation, boost energy efficiency of buildings and products, promote clean energy, protect Maine’s waterways, and preserve the Moosehead Lake region and White Mountain National Forest. Environment Maine partners in many endeavors with other nonprofits, businesses, citizen members, and government bodies to achieve its mission. Staff members of Environment Maine coordinate with other environmental groups around the region and the country, and contribute policy research and political strategy towards those efforts. Environment Maine is a cornerstone in many statewide coalitions and efforts to reduce global warming emissions and preserve natural spaces, and acts as an informational hub for scientific, policy, legislative, and political (local, state, and federal) happenings regarding global warming and other environmental issues.

**Environment Northeast**

8 Summer Street  
 P.O. Box 583  
 Rockport, ME 04856 (headquarters)  
 207-236-6470  
 admin@env-ne.org  
<http://www.env-ne.org/states/open/p/id/248>

Concentration	greenhouse gas emissions reduction, sustainability, economic prosperity
Activities	advocacy, policy analysis
Geographic Range	Maine, New England, Maritimes
Executive Director	Daniel L. Sosland, dsosland@env-ne.org
Number of Staff	14

Environment Northeast (ENE) is a Maine nonprofit organization that researches and advocates innovative policies that tackle environmental challenges while promoting sustainable economies. ENE is at the forefront of state and regional efforts to combat global warming with solutions that promote clean energy, clean air, and healthy forests. ENE has produced major reports that show how states and provinces can attain deep reductions in greenhouse gas emissions, including *Climate Change Roadmap for Connecticut* and *Climate Change Roadmap for New England and Eastern Canada*. ENE has been a leading stakeholder in the development of the Regional Greenhouse Gas Initiative (RGGI) and in comprehensive energy policy reform in Maine, Massachusetts, Connecticut, and Rhode Island. ENE’s Forest Carbon sequestration and biofuels project is working to formulate ways our forests can play a part in climate change mitigation. In Maine, ENE is a member of the Governor’s Pre-Emergency Energy Task Force and was appointed to the newly created state Energy Conservation Board. ENE was an official stakeholder in the Maine state climate planning process and has advocated for legislation and regulatory reforms emerging from the state’s Climate Action Plan. ENE recently conducted an assessment of the greenhouse gases that would be produced by the Plum Creek Timber Company's proposed development for Maine's northern woods.

**Food for Maine's Future**

P.O. Box 151

Thorndike, ME 04986

207-692-2571

<http://www.foodformainesfuture.org><http://www.protectmainefarmers.org>

Concentration	local food promotion, advocates against genetically engineered foods
Activities	local food challenge, local food conference, public policy, linking food policy to climate change
Geographic Range	Maine
Director	Robert Fish, <a href="mailto:rob@foodformainesfuture.org">rob@foodformainesfuture.org</a>
Number of Staff	2 part-time

Food for Maine's Future seeks to build a just, secure, sustainable, and democratic food system to the benefit of all Maine farmers, communities, and the environment. Food for Maine's Future promotes local food independence, farmer's rights, and sustainable agriculture, and encourages communities to take action to build an independent food system in their area. Along with advocating local food practices through various community events, Food for Maine's Future sponsors an annual Local Foods Conference.

**Friends of Midcoast Maine**

88 Elm Street  
 Camden, ME 04843  
 207-236-1077  
 info@friendsmidcoast.org  
 http://www.friendsmidcoast.org

Concentration	Smart Growth in Midcoast Maine
Activities	Smart Growth education, advocacy, project endorsements, awards
Geographic Range	Midcoast Maine from Brunswick to Bucksport
Executive director	Jane Lafleur Board of Trustees Chair, Mary Kate Reny
Number of Staff	1 full-time executive director; 1 part-time professional planner

Incorporated in January 2001, Friends of Midcoast Maine is a resident-initiated nonprofit organization that works to promote sensible, sustainable development for communities from Brunswick to Bucksport. Friends of Midcoast Maine offers planning assistance for communities, education about municipal and transportation planning, advocates for Smart Growth approaches to land use and transportation planning, and recognizes leaders of Smart Growth in the community with annual awards and endorsements. Friends of Midcoast Maine works with land trusts, conservation groups, businesses, nonprofits, and local governments to stem the loss of farmland, critical habitats, and open space, while at the same time working to enhance villages and downtowns. Friends of Midcoast Maine addresses climate change by working with communities to make better, more compact land use decisions, since vehicle miles traveled to and from work, home, and school affect greenhouse gas emissions.

**Greater Portland Council of Governments**

68 Marginal Way  
 Portland ME, 04101  
 207-774-9891; 1-800-280-RIDE  
 info@gpcog.org  
 http://www.gpcog.org/

Type of Organization	nonprofit
Concentration	services municipalities
Activities	promotion of alternative fuels, carpooling, ride matching, greenhouse gas emission reduction, sustainability forums
Geographic Range	Maine
Executive Director	Neal W. Allen, nallen@gpcog.org
	MC <sub>2</sub> Program Director, Steve Linnell, slinnell@gpcog.org GO MAINE, Carey Kish, ckish@gpcog.org
Number of Staff	15 (1 MC <sub>2</sub> and 2 GO MAINE)

Founded in 1969, the Greater Portland Council of Governments (GPCOG) is a voluntary organization with a history of service to the municipalities and public service agencies of the Greater Portland region. GPCOG administers two programs that address greenhouse gas emissions reduction related to transportation. In 2008 GPCOG initiated a sustainability forum series. GPCOG also coordinates two related programs:

**Maine Clean Communities = MC<sub>2</sub>**

Maine Clean Communities is a locally based government-industry partnership, coordinated by the U.S. Department of Energy and administered by GPCOG to expand the use of alternatives to gasoline and diesel fuel, and reduce the use of petroleum for transportation. The Maine Clean Communities Coalition is comprised of fleet managers, state and local officials, clean fuel providers, and other groups and individuals interested in promoting the use of clean fuels and clean fuel vehicles. A few of Maine Clean Communities' accomplishments include creating Maine's first propane fueling facility and Maine's first compressed natural gas (CNG) fueling facility, and helping to acquire 13 CNG transit buses and three CNG school buses. In addition, Maine Clean Communities has broadened its focus to include no-idling efforts and has received recognition for developing Clean Fuel Vehicle Incentives through the state legislative process.

**GO MAINE**

GO MAINE provides services and information to commuters and other travelers who live, work, or travel in Maine, including carpool ride matching, vanpool formation, transit information, and bicycling and walking information. The program is sponsored by the Department of Transportation and the Maine Turnpike Authority.

**GrowSmart Maine**

81 Bridge Street  
 Yarmouth, ME 04096  
 207-847-9275  
 info@growsmartmaine.org  
 http://www.growsmartmaine.org

Concentration	Smart Growth
Activities	resources for planning, conferences, reports, models
Geographic Range	Maine
President	Alan Caron, acaron@growsmartmaine.org
Number of Staff	11

GrowSmart Maine is a statewide nonprofit citizens' organization working to promote sustainable prosperity and to protect the state's distinctive character and quality places. GrowSmart Maine is a combination of a think tank that issues periodic reports on big changes underway in Maine, and an advocacy group that promotes strategies for creating sustainability with growth. In 2006, GrowSmart collaborated with the Brookings Institution to create a report entitled "Charting Maine's Future: An Action Plan for Promoting Sustainable Prosperity and Quality Places." GrowSmart is currently working on two new major reports on reinventing government and Maine's future economy in a time of climate change. Other ongoing projects include the creation and distribution of educational briefs that explain the issues and some of the possible tools, techniques, and resources available for Smart Growth; and "Model Town," a community project surrounding the growth of Standish, Maine, that can serve as an example for other towns to follow when addressing rapid growth.

**ICLEI- Local Governments for Sustainability****USA OFFICE**

436 14th Street, Suite 1520  
 Oakland, California, USA 94612  
 510-844-0699  
 iclei-usa@iclei.org  
<http://www.iclei-usa.org/>

**BOSTON OFFICE**

1 City Hall Plaza, Room 805  
 Boston, MA 02201  
 617-850-9045

Concentration	local climate protection and sustainability efforts
Activities	technical consulting, information services
Geographic Range	international
Executive Director	Michelle Wyman, <a href="mailto:michelle.wyman@iclei.org">michelle.wyman@iclei.org</a>
	Northeast Regional Director, Kim Lundgren, <a href="mailto:kim.lundgren@iclei.org">kim.lundgren@iclei.org</a>
Number of Staff	35

ICLEI-Local Governments for Sustainability (ICLEI) is a membership association of local governments committed to advancing climate protection and sustainable development. Since its inception in 1990, ICLEI has grown to include nearly 1,000 cities in the world, more than 400 of which are in the United States. ICLEI members receive access to: 1) ICLEI's emissions analysis software tool: Clean Air and Climate Protection (CACP) and training on using the software and conducting an emissions inventory; 2) tools, publications, how-to guides, and other resources; 3) performance-based campaigns and initiatives; 4) state, regional, national and international peer networking; 5) technical, policy and communications expertise and assistance; 6) annual training and leadership events; 7) recognition and awards; and 8) representation at international meetings. ICLEI is the leading organization on local government sustainability efforts and works in partnership with other municipal and regional programs such as Clean Air-Cool Planet and the Cool Cities Campaign of the Sierra Club. Current ICLEI members in Maine include: Augusta, Belfast, Falmouth, Portland, and Waterville.

**Island Institute**

386 Main Street

Rockland, ME 04841

207-594-9209

inquiry@islandinstitute.org

<http://www.islandinstitute.org>

Concentration	human ecology of Maine's islands
Activities	member-based
Geographic Range	Maine
President	Philip Conkling
	Vice-President, Robert Snyder, rsnyder@islandinstitute.org
Number of Staff	31

The Island Institute is a nonprofit organization that serves as a voice for the balanced future of the islands and waters of the Gulf of Maine. It is guided by an island ethic that recognizes the strength and fragility of Maine's island communities and the finite nature of the Gulf of Maine's ecosystems. Along the Maine coast, the Island Institute seeks to: support the islands' year-round communities; conserve Maine's island and marine biodiversity for future generations; develop model solutions that balance the needs of the coast's cultural and natural communities; provide opportunities for discussion over responsible use of finite resources; and provide information to assist competing interests in arriving at constructive solutions. The Island Institute's climate change work focuses on understanding the human dimensions of climate change in Maine's island and working waterfront communities and on translating climate change science for the benefit of those communities.

**Maine Audubon**

20 Gilsland Farm Road  
 Falmouth, ME 04105  
 207-781-2330  
 info@maineaudubon.org  
 http://www.maineaudubon.org

Concentration	wildlife conservation
Activities	education, conservation, advocacy
Geographic Range	Maine
Executive Director	Kevin P. Carley
Number of Staff	45

Maine Audubon works to conserve Maine’s wildlife and wildlife habitat by engaging people of all ages in education, conservation, and action. With 11,000 members and supporters and 11 nature centers and sanctuaries, Maine Audubon is the largest wildlife conservation organization in Maine and a leader in science-based conservation and environmental education. The organization's headquarters feature an example of award-winning green building design, and utilize passive and active solar, geothermal heat, and biodiesel fuel. Green electricity is used at all sanctuaries and their letterhead is FSC-certified. Maine Audubon is a member of Maine Green Power Connection and Maine Global Warming Action Coalition, and helped pass the Regional Greenhouse Gas Initiative (RGGI) in Maine. The organization's leadership work on wind power is demonstrating that renewable energy and reasonable wildlife protection can and should go hand in hand. Maine Audubon co-founded the Beginning With Habitat program that fights sprawl and related carbon emissions, and they have long played a central role in sustainable forestry and conservation in Maine’s Northern Forest, a unique national resource that could be an important part of carbon sequestration strategies. Education programs for kids, adults, and communities teach a wide variety of conservation practices, many of which address climate change.

**Maine Center for Economic Policy**

66 Winthrop Street  
 P.O. Box 437  
 Augusta, ME 04332  
 207-622-7381  
 info@mecep.org  
<http://www.mecep.org/>

Concentration	sustainable development
Activities	publications, policies, fair budget and taxes advocacy
Geographic Range	Maine
Executive Director	Christopher St. John, <a href="mailto:mecep@mecep.org">mecep@mecep.org</a>
Number of Staff	5

The Maine Center for Economic Policy (MECEP) is an independent, nonpartisan organization that advances public policies that help Maine people prosper in a strong, fair and sustainable economy. They advance this mission through high-quality research, analysis, citizen education, and coalition building. MECEP believes that Maine policies should be based on the principle that economic prosperity, environmental stewardship, and thriving communities are interdependent. MECEP partners with several statewide groups advocating greenhouse gas emissions reduction including Maine Global Warming Action Coalition and Environment Maine's New Energy Future campaign.

**Maine Council of Churches**

19 Pleasant Avenue

Portland, ME 04103

207-772-1918

<http://www.maineCouncilofchurches.org>

Concentration	climate change, local foods, eco-justice, children and toxics
Activities	education
Geographic Range	Maine
Director	Rev. Jill Saxby, <a href="mailto:jsaxby@mainecouncilofchurches.org">jsaxby@mainecouncilofchurches.org</a> Rev. Doug Cruger, <a href="mailto:dcruger@mainecouncilofchurches.org">dcruger@mainecouncilofchurches.org</a> Program Director of Environmental Justice, Anne D. (Andy) Burt, <a href="mailto:adburt@gwi.net">adburt@gwi.net</a>
Number of Staff	7

Rooted in the Hebrew and Christian scriptures, the Maine Council of Churches' (MCC) mission is to inspire congregations and persons of faith to unite in good works that build a culture of justice, compassion, and peace. The Council focuses on helping congregations build sustainable communities through practicing environmental and economic justice from the neighborhood level to beyond. Maine Churches' Environmental Justice Program offers extensive Web resources on climate change, global warming, and other environmental issues. These resources include practical ways for individuals to reduce their carbon footprint, information on legislative initiatives, ways to contact one's senators, alternative energy sources, and general educational material on climate change and other environmental issues. Many of the resources are a product of MCC's Interfaith Climate Change Initiative which involved over one thousand people and reduced carbon emissions into the atmosphere by an estimated 48 million pounds. MCC partners with other organizations to advocate and promote greenhouse gas emission reduction and environmental sustainability.

**Maine Energy Investment Corporation**

P.O. Box 337

Brunswick, ME 04011

207-729-9665

info@renewmaine.org

<http://www.renewmaine.org/>

Concentration	clean energy
Activities	promotion, facilitation, market transformation for clean energy
Geographic Range	Maine
Board President	Erika Morgan
Number of Staff	4 project contractors

Maine Energy Investment Corporation's mission is to "mainstream" renewable energy, making clean, healthy, homegrown fuel and electricity available to all Mainers. The Brunswick-based nonprofit manages a variety of projects promoting technologies like solar, biofuels, and clean electricity. Their Website provides information about buying, installing, and financing clean energy technologies for homes and businesses, with lists of suppliers of renewable energy systems. Current projects include "Biofuels for Maine," "SolarME" solar calculator, and the Downeast Solar Co-operative (DSC), a public education and market development project devoted to solar technologies.

**Maine Interfaith Power and Light**

P.O. Box 4834  
 Portland, ME 04112  
 207-721-0444  
 info@meipl.org  
<http://www.meipl.org/>

Concentration	renewable power and energy conservation
Activities	clean energy supply promotion, advocacy
Geographic Range	Maine
Executive Director	Harry Brown, <a href="mailto:harry@meipl.org">harry@meipl.org</a>
	Program Director, Jennifer Terzuoli, <a href="mailto:jenny@meipl.org">jenny@meipl.org</a>
Number of Staff	2

Maine Interfaith Power and Light (MeIPL) is a licensed electricity aggregator which acts as a "matchmaker" between consumers (any individual or organization buying electricity in Maine) and suppliers to provide clean, renewable electricity. MeIPL was founded in 2000 by people of different faiths and works to “protect the natural world from climate change by engaging the faith communities and people of Maine in energy conservation and the use of clean, renewable energy.” As a membership organization MeIPL offers communities of faith the opportunity to become ClimateCare Partners and address the causes of global warming through energy conservation and renewable power use. Currently, nearly 90 communities of faith are Climate Care Partners. MeIPL is also an active partner in statewide coalitions and other initiatives committed to addressing global climate change by advocating for the reduction of greenhouse gas emissions.

**Maine Land Trust Network**

Bowdoin Mill Island, Suite 201

Topsham, ME 04086

207-729-7366

<http://www.mltn.org/>

Concentration	land conservation, networking
Activities	central hub of information regarding Maine's land trust community
Geographic Range	Maine
Coordinator	Megan Shore, <a href="mailto:mshore@mcht.org">mshore@mcht.org</a>
	Maine Land Trust Network Assistant, Donna Bissett, <a href="mailto:dbissett@mcht.org">dbissett@mcht.org</a>
Number of Staff	3

A key component to mitigating climate change is minimizing negative anthropogenic impacts on the landscape. Maine has one of the strongest land trust communities in the country with over 100 organizations dedicated to the conservation and stewardship of Maine's landscapes. The Maine Land Trust Network, a program of the Maine Coast Heritage Trust, provides an excellent detailed directory of these organizations. The directory is publicly available at their Website.

**Maine Organic Farmers and Gardeners Association**

P.O. Box 170 294  
 Crosby Brook Road  
 Unity, ME 04988  
 207-568-4142  
 mofga@mofga.org  
 http://www.mofga.org

Concentration	local organic farming
Activities	education, outreach
Geographic Range	Maine
Executive Director	Russell Libby, rlibby@mofga.org
	Program Director, Andrew Marshall, amarshall@mofga.org
Number of Staff	23

Maine Organic Farmers and Gardeners Association (MOFGA) helps farmers and gardeners grow organic food, protect the environment, recycle natural resources, and increase local food production; supports rural communities; and illuminates for consumers the connection between healthful food and environmentally sound growing practices. MOFGA is active in public policy initiatives surrounding pesticides, environmental toxics, and greenhouse gas reduction. MOFGA partners with several statewide coalitions promoting green practices and greenhouse gas reduction including Green Campus Consortium and Maine Global Warming Action Coalition. MOFGA’s Website offers a directory of local farms and participants in Community Supported Agriculture. Throughout the year, MOFGA hosts hundreds of meetings, workshops, conferences, dinners, and festive gatherings. MOFGA has an extensive outreach program and holds the annual Common Ground Fair, which allows people to make connections with a rapidly expanding base of organic farms in the state of Maine. The fair has hundreds of vendors, exhibitors and demonstrators, more than 1,000 volunteers, and roughly 50,000 visitors. MOFGA certifies about 5% of Maine farms and farmland as meeting organic standards. A directory of those farms is accessible through MOFGA’s Website. In addition to promoting organic farming, the fair is one the most prominent venues in the state for exhibitors in the areas renewable energy, energy efficiency, composting, recycling, and other environmental concerns.

**Maine Partners for Cool Communities**

207-761-5616

[maine.chapter@sierraclub.org](mailto:maine.chapter@sierraclub.org)<http://www.coolmaine.org/>

Concentration	greenhouse reduction at the municipality level
Activities	networking, community empowerment, tools, suggestions
Geographic Range	Maine
Director of Campaign	Sierra Club National Cool Cities Campaign Director, Glen Brand
Number of Staff	0

Cool Communities is based on a national initiative of the Sierra Club, the Cool Cities program. These programs provide a detailed toolkit, information, and networking resources to communities that have signed the U.S. Mayor's Climate Protection Agreement and are dedicated to addressing global warming. Cool Communities promotes a series of solutions to address global warming within the community. The Maine Partners for Cool Communities is the product of the joint efforts of the Maine Chapter Sierra Club, the American Lung Association of Maine, the Maine Council of Churches, Physicians for Social Responsibility Maine, and the Maine Energy Investment Corporation. Maine cities and townships that are designated "Cool Communities" include Belfast, Biddeford, Bowdoinham, Brunswick, Cranberry Isles, Falmouth, Kennebunk, Kennebunkport, Kittery, Lewiston, Montville, Portland, Saco, South Portland, Waterville, and Yarmouth.

**Maine Rural Partners**

5784 York Village #4  
 Orono, ME 04469  
 207-581-4521  
<http://www.mainerural.org>

Concentration	collaborative, integrated approaches to rural development
Activities	networking, rural community capacity building, developing and sharing best practices, farm energy audits, farm and community scale renewable energy development, local ownership model development, Farm Energy Partners Network, Harvesting Clean Energy Program
Geographic Range	Maine
Executive Director	Mary Ann Hayes, <a href="mailto:maryann@mainerural.org">maryann@mainerural.org</a>
	Farm Energy Partners Network, <a href="mailto:cleanenergy@mainerural.org">cleanenergy@mainerural.org</a>
Number of Staff	1

Maine Rural Partner's (MRP) mission is to strengthen the capacity of rural communities to secure a sustainable high quality of life. As Maine's federally recognized state rural development council, MRP specializes in building collaborative, integrated approaches to address identified needs at the state, regional, and grassroots levels and in sharing what works across sectors and geography. MRP operates with a small staff and relies upon partnerships to deliver collaborative services. MRP coordinates the Farm Energy Partners Network, which leverages the resources of agricultural, energy, environmental and business support interests to help farmers save energy, improve the environment, and strengthen their bottom lines. Through its Harvesting Clean Energy and Harness the Wealth! Programs, MRP is growing the capacity of farmers and rural communities to use less energy and develop locally owned renewable energy technologies. Results include energy savings, environmental improvement, effective resource leveraging, better relationships, and a stronger rural economy. The Harvesting Clean Energy Program offers farm energy audits in cooperation with Efficiency Maine and resource materials on farm energy conservation and renewable development, including the Maine Farm Energy Field Guide CD available at no charge. Additional resources are being sought to expand renewable technology development assistance. Teams are being formed in 2008 around six key priority areas of capacity, outreach, efficiency, community wind, carbon, and crops.

**Manomet Center for Conservation Sciences**

Forest Conservation Program  
 14 Maine Street  
 Brunswick, ME 04011  
 207-721-9040  
<http://www.manometmaine.org/>

Headquarters:  
 81 Stage Road  
 P.O. Box 1770  
 Manomet, MA 02345  
 508-224-6521  
<http://www.manomet.org/>

Type of Organization	Nonprofit Research Organization
Concentration	Forest Carbon offsets, climate change adaptation in rural communities, conservation planning adaptation to climate change
Activities	Forest Carbon Offsets: Guidelines for Regulators and Landowners; Full carbon life-cycle assessment for forest offset projects; Landowner assistance in accessing carbon markets; Community Climate Action Plan: helping rural, underserved, natural resource-based communities adapt to and mitigate climate change.
Geographic Range	New England
Forest Conservation Director	Dr. John M. Hagan, <a href="mailto:jmhagan@prexar.com">jmhagan@prexar.com</a>
	Community Action Plan Coordinator, Ethel Wilkerson, <a href="mailto:ewilkerson@manomet.org">ewilkerson@manomet.org</a>
Number of Staff	5

Manomet is a non-profit research organization dedicated to providing scientific information to support sustainable use of natural resources. Manomet works closely with diverse stakeholders (e.g., farmers, forest owners, rural communities) to identify and fill their information needs for natural resource problem solving. Manomet has several programs underway that pertain to climate change: (1) development of guidelines for technically and socially legitimate forest carbon offset projects in the regulatory and voluntary carbon markets; (2) using life-cycle assessment to determine the carbon sequestration benefits of different forest management strategies (from forest preserves to intensively managed forests); (3) adapting state and regional conservation planning to the predicted effects of climate change; (4) developing practical forest management guidelines in New England for climate change, and (5) the Community Climate Action Plan, to help rural, underserved communities become resilient to climate change. Manomet also organizes science-stakeholder forums where natural resource users and decision makers can come together to discuss and evaluate the latest information on some of the most pressing natural resource issues.

**Midcoast Green Collaborative**

P.O. Box 84

Damariscotta, ME 04543

midcoastgreencollaborative@gmail.com

<http://www.midcoastgreencollaborative.org/>

Concentration	energy conservation, alternative energy, environment, education
Activities	sustainable energy expo (fair); home energy audits; energy, environmental and climate change education; energy policy development and network building
Geographic Range	Midcoast Maine
Director	N/A
Number of Staff	0

Midcoast Green Collaborative is a project of Community Building Trust, a Damariscotta nonprofit organization dedicated to community building. This all-volunteer citizen network is a group of business persons, public officials, and other citizens from the Damariscotta area who have joined together to promote a viable "green" program of socially responsible economic growth in Midcoast Maine that will help answer the need for new, well-paying jobs in a revitalized, balanced economy built on the production of goods, rather than just services, retail sales, and tourism. The group seeks to assist the formation of a local renewable energy industry and help Damariscotta become the renewable energy center of an energy-self-sufficient Midcoast Maine. Midcoast Green Collaborative's Website provides a list of sustainable resources located in Maine. The group offers professional home energy audits in the Midcoast area at a discounted rate, hosts an annual Sustainable Energy Expo, is part of a growing energy and environmental education network, has a speaker program on energy and the environment, and conducts energy policy research and development.

**Natural Resources Council of Maine**

3 Wade Street  
 Augusta, ME 04330  
 207-622-3101; 1-800-287-2345  
 nrcm@nrcm.org  
 http://www.nrcm.org

Concentration	Clean Air, Clean Energy; Healthy Waters; Woods Wildlife and Wilderness; Toxic-free Maine
Activities	advocacy, legislative initiatives, alliance building
Geographic Range	Maine
Executive Director	Everett "Brownie" Carson
	Clean Air, Clean Energy Program Director, Dylan Voorhees, dylan@nrcm.org
Number of Staff	26

The Natural Resources Council of Maine (NRCM) is a nonprofit advocacy organization protecting, restoring, and conserving Maine's environment. NRCM conducts legislative, science, policy, and education/outreach initiatives in the following four areas: 1) Clean Air, Clean Energy; 2) Healthy Waters; 3) Woods Wildlife and Wilderness; 4) Toxic-free Maine. NRCM works actively with Maine businesses, state agencies, and other nonprofits to advance its mission. NRCM is a founding member of many statewide coalitions formed to reduce greenhouse gas emissions including the Maine Global Warming Action Committee. When possible, NRCM sponsors targeted events such as the Governor's Energy Summit, which brought together a diverse range of stakeholders across the business, agency, and nonprofit community. NRCM staff members are recognized as authorities on alternative energy and are regularly sought for advisory groups and as event speakers. Staff members contribute assessments to larger regional climate coalitions and "grade" Maine in an annual global warming progress report. NRCM staff, with help from members and volunteers, put tremendous effort into testifying; contacting legislators by phone, email, or postal mail; and working for or against bills relating to their mission. NRCM also works with Maine's Congressional delegation on national environmental issues that affect the people, environment, and wildlife of Maine. NRCM is supported by more than 12,000 members from across Maine and beyond.

**The Nature Conservancy**  
 14 Maine Street, Suite 401  
 Brunswick, ME 04011  
 207-729-5181  
 naturemaine@tnc.org  
<http://www.nature.org/maine>

Concentration	land and water conservation
Activities	conservation, science, partnerships
Geographic Range	Maine, U.S., international
Executive Director	Mike Tetreault
	Director of Conservation Programs, Barbara Vickery
Number of Staff	34

The Nature Conservancy's mission is to preserve the plants, animals, and natural communities that represent the diversity of life on Earth by protecting the lands and waters they need to survive. The Conservancy's scientists and specialists are explicitly addressing climate change by reducing emissions from deforestation, helping natural areas adapt to the impacts of climate change, and supporting policies to reduce emissions, such as a national cap-and-trade policy. The Nature Conservancy in Maine invests in landscape-scale forest conservation in the state and internationally. As one of Maine's largest private landowners, it is using its 185,000 acres to examine and export forest management techniques that build resilience and carbon sequestration while protecting biodiversity. The Conservancy worked for the passage of RGGI and is working for rules that include forest management as an offset option. Anticipating federal legislation, it will work with public and private partners to develop a statewide climate change adaptation plan, to develop state policies and programs that enhance the resilience of natural systems, and to ensure that the state's conservation priorities account for the impact a changing climate will have on natural systems. The Conservancy is also taking action to reduce its own carbon footprint and encourages individuals, corporations, organizations, and public entities to take similar action.

**Physicians for Social Responsibility Maine Chapter**

P.O. Box 1771  
 Portland , ME 04014  
 207-772-6714  
 psr\_maine@yahoo.com  
<http://www.psrmaine.org>

Concentration	nuclear abolition, environmental public health, climate change, violence reduction
Activities	partnerships, events, advocacy
Geographic Range	Maine
Executive Director	Melissa Boyd
Number of Staff	3

Physicians for Social Responsibility Maine Chapter (PSR/Maine) is made up of physicians, nurses, health care providers, students, and other concerned citizens from across the state of Maine. PSR is committed to the elimination of nuclear and other weapons of mass destruction, the achievement of a sustainable environment, and the reduction of violence and its causes. PSR/Maine is the health voice of climate change issues using the latest information from the World Health Organization and offers talks across Maine on the health effects of climate change and how the health community can be instrumental in addressing these emerging issues. PSR/Maine joined with the Sierra Club Maine, American Lung Association of Maine, Maine Council of Churches, and Maine Energy Investment Corporation to form Maine Partners for Cool Communities.

**Sierra Club Maine Chapter**

44 Oak Street, Suite 301  
 Portland, ME 04101  
 207-761-5616  
 maine.chapter@sierraclub.org  
 http://maine.sierraclub.org

Concentration	protect and conserve wildlife, address climate change, clean air and clean water
Activities	advocacy, community solutions to global warming, protection of the Maine Woods
Geographic Range	Maine
Chair	Barbara Winterson, bwinterson@une.edu
	Cool Communities Program Director, Joan Saxe
	Maine Woods Program, Karen Woodsum
Number of Staff	1

For over a century the Sierra Club has been devoted to the conservation of the forests, mountains, rivers, coasts, and other natural areas. The Maine Chapter, a volunteer-run grassroots organization, is working to: protect Maine’s wilderness heritage, slow global warming and promote Smart Growth, safeguard Maine’s clean water and coastline, promote clean air and energy efficiency, hold public officials accountable, and support pro-environment candidates for public office. Over 800 cities nationwide have signed on to the Cool Cities Initiative. The Maine Chapter’s Cool Communities program, a partnership with Physicians for Social Responsibility, Maine Council of Churches, American Lung Association of Maine, and the Maine Economic Investment Corporation, currently has 16 cool towns in Maine. These include Belfast, Biddeford, Bowdoinham, Brunswick, Cranberry Isles, Falmouth, Kennebunk, Kennebunkport, Kittery, Lewiston, Montville, Portland, Saco, South Portland, Waterville, and Yarmouth. Cool Communities promotes a series of solutions to address global warming within the community. The Maine Chapter’s Maine Woods program seeks to protect Maine's wilderness heritage through efforts to link existing public lands and unprotected areas, guarantee public access, create new opportunities for wilderness recreation, and allow forests to return to a mature and natural state.

## Private Sector Initiatives

*The fields of energy efficiency, emissions reduction, and renewable energy are growing in Maine. Below are descriptions and contact information for programs, organizations, and associations that list and represent hundreds of Maine businesses working in energy efficiency, renewable energy, and emission reductions through contracting, green building, consulting, supplying, vending, engineering, etc.*

### **Efficiency Maine Business Program**

Public Utilities Commission  
 18 State House Station  
 Augusta, Maine 04333  
 207-287-3831; 1-866-376-2463  
 efficiencymaine@maine.gov  
<http://www.efficiencymaine.com/>

Type of Organization	state agency public program
Concentration	energy efficiency
Activities	incentives, information, education, training, renewable resources
Geographic Range	Maine
Program Manager	David Kyle, david.kyle@maine.gov

Efficiency Maine is a statewide program funded by energy consumers and administered under the Maine Public Utilities Commission. The program promotes more efficient use of electricity and helps Maine residents and businesses reduce energy costs. Efficiency Maine’s business program provides cash incentives and free technical advice to help Maine businesses conserve energy and money. Over 500 private sector vendors, contractors, suppliers, professionals, and consultants familiar with energy efficient design, engineering, and renewable energy are listed as “Program Allies” of Efficiency Maine’s Business Program. Program Allies are vendors, contractors, suppliers, and professionals who are familiar with Efficiency Maine and can help businesses with energy efficiency projects and guide potential Efficiency Maine Business Program participants on qualifying equipment and help with the application process. All Efficiency Maine Program Allies in the areas of agriculture, agricultural equipment, engineering, architecture, electrical, ESCO, financier, HVAC, lighting, management, manufacturing, plumbing/mechanical, refrigeration, renewable energy products/services, retail, variable frequency drive, and wholesale are listed on the Efficiency Maine’s Business Program’s Website.

**Efficiency Maine Renewable Energy**

Maine Public Utilities Commission  
 18 State House Station  
 Augusta, Maine 04333  
 207-287-3831  
 efficiencymaine@maine.gov  
<http://www.efficiencymaine.com/>

Type of Organization	state agency public program
Concentration	increase Maine’s energy efficiency and use of clean renewable energy
Activities	incentives, information, education, training, renewable resource availability
Geographic Range	Maine
Energy Division Director	Denis Bergeron, <a href="mailto:denis.bergeron@maine.gov">denis.bergeron@maine.gov</a>
	Biofuels Program, Shirley Bartlett <a href="mailto:shirley.bartlett@maine.gov">shirley.bartlett@maine.gov</a> Solar Program, Richard Fortier <a href="mailto:richard.fortier@maine.gov">richard.fortier@maine.gov</a>

This program of Efficiency Maine promotes increased use of renewable energy sources. Efficiency Maine’s Renewable Energy Web page provides consumers with information, incentives, and names of businesses supplying biofuel and installing solar power. There are 24 suppliers of biofuel and over 100 installers of solar power found on the program’s Websites.

**Environmental and Energy Technology Council of Maine (E2Tech)**

P.O. Box 11435

Portland, ME 04104

207-228-8524

info@e2tech.org

<http://www.e2tech.org>

Type of Organization	nonprofit
Concentration	business development
Activities	networking, lecture series
Geographic Range	Maine
Executive Director	John Ferland, Maine Center for Enterprise Development, <a href="mailto:jferland@mced.biz">jferland@mced.biz</a> , <a href="http://www.mced.biz">www.mced.biz</a>
	Co-chair, Erika Morgan, Maine Energy Investment Corp., <a href="mailto:erikamorgan@ime.net">erikamorgan@ime.net</a> <a href="http://www.maine.greenpower.org">http://www.maine.greenpower.org</a>

The Environmental and Energy Technology Council of Maine is an association of companies, entrepreneurs, state agencies, and organizations who are committed to advancing sustainable job growth, research and development, and new product commercialization. E2Tech provides members with networking and business development opportunities, information exchange through a monthly lecture series on technology and business, and access to industry professionals and governmental and political leadership. The member directory provides links to the over 100 members of the council and is available on the council's Web page.

**The Governor's Carbon Challenge**

<http://www.maine.gov/dep/innovation/gcc/gccpart.htm>

Type of Organization	state government public program
Concentration	greenhouse gas emission reduction
Activities	partnerships
Geographic Range	Maine
Project Manager	Sara Lippert, sara.m.lippert@maine.gov

In 2003, Maine became the first state in the nation to set into statute the goals achieved by the 2001 agreement among the New England Governors and Eastern Canadian Premiers to reduce greenhouse gases. These goals call for specific reductions to be made to 1990 levels by 2010, and to 10% below 1990 levels by 2020. Overall reductions of 75% to 80% from 2003 levels of greenhouse gases are to be achieved. Part of Maine's climate change law directs the Maine Department of Environmental Protection to develop agreements with businesses and nonprofit organizations to accomplish these goals. Organizations that participate sign the Governor's Carbon Challenge Agreement, a voluntary goal-setting program to assist businesses and nonprofit organizations accomplish their greenhouse gas emission reduction goals. Thirty-six Maine businesses have partnered with the Department of Environmental Protection to reduce their carbon footprint and are listed on the Website. Currently there are 63 participants working with the DEP on the challenge, nine of whom are cities or townships. These include: Gardiner, Hallowell, Portland, Saco, Waterville, Bowdoinham, Camden, Manchester, and Yarmouth.

**Maine Businesses for Social Responsibility**

P.O. Box 157

Belfast, ME 04915

<http://www.mebsr.org/>

Type of Organization	nonprofit
Concentration	sustainable business resource
Activities	events, networking, information clearinghouse
Geographic Range	Maine
President	Andy Spaulding, 207-622-7566 x262
	Membership, Rich Brooks, 207-523-5141

MEBSR is a 15-year-old membership network of forward-thinking Maine businesses working together for sustainable business success. A growing resource for practical information, tools, and business Best Practices, MEBSR holds statewide and regional gatherings promoting the integration of social capital, environmental integrity and stewardship, and economic prosperity ("people, planet, and profit," or the Triple Bottom Line). Featuring top business and thought leaders on sustainability concepts from around the nation and Maine, MEBSR events are informal, highly engaging, often deeply motivating, and an opportunity to explore how their business can have a positive net impact on the world.

**U.S. Green Buildings Maine Chapter**

cbriley@architectureforlife.com

207-449-1128

<http://www.maineusgbc.org/>

Type of Organization	nonprofit
Concentration	sustainable building practices
Activities	energy efficiency, greenhouse gas emissions reduction, networking, promoting sustainable building
Geographic Range	Maine
Director	Patrick Costin, <a href="mailto:pcostin@harriman.com">pcostin@harriman.com</a>

The Maine Chapter of the U.S. Green Building Council is Maine’s foremost coalition of leaders from across the building industry working to promote buildings that are environmentally responsible, profitable, and healthy places to live and work. Goals of the council include to educate the public and the building industry on the benefits of green buildings and LEED, serve as a local resource for green building, provide a forum for information exchange, encourage sustainable “green” products and services produced in or sourced from the state of Maine. The member directory provides links to the over 200 members of the council.

## Public Sector

### Clean Government Initiative

<http://www.maine.gov/cleangovt/>

Type of Organization	state government policy
Concentration	reducing pollution and emissions by the State of Maine government
Activities	hybrid cars, LEED buildings, renewable energy
Geographic Range	Maine
Program Manager	State agencies have their own contacts, see Website

The Clean Government Initiative was established to help state agencies and state-supported institutions of higher learning meet applicable environmental compliance requirements and to incorporate environmentally sustainable practices into all state government functions. This initiative stemmed from the New England Governors/Eastern Canadian Premiers conference which called for the state and province governments to lead their constituents by example. The Initiative is jointly directed by the commissioner of the Department of Environmental Protection, the commissioner of Administrative and Financial Services, the chancellor of the University of Maine System or the chancellor's designee, and the president of the Maine Community College System or the president's designee. The initiative has three requirements of state agencies: completion or demonstration of completion of an audit of its facilities to determine compliance with state and federal environmental laws; development of a biennial plan which outlines agency actions to incorporate environmental compliance and sustainability into planning and operation function; and appointment of an employee in the agency to ensure the development and implementation of agency activities for the Initiative. Through various state agencies, but most centrally the DEP, the state has instituted initiatives towards increasing the number of hybrids in state car fleets, building LEED certified government buildings, increasing the use of renewable energy, using healthier cleaning products, using paper constructed of at least 30% post consumer content, reducing the use of lead wheel weights in fleet vehicles, and increasing energy efficiency and sustainability.

**Climate Action Plan for Maine**

Maine Department of Environmental Protection  
 17 State House Station  
 Augusta, Maine 04333  
 207-287-7755  
<http://www.maine.gov/dep/air/greenhouse/>

Type of Organization	agency responsible for statutory oversight
Concentration	greenhouse gas emission reduction
Activities	54 different actions in four principal areas: energy and solid waste; buildings, facilities and manufacturing; transportation and land use; forestry and agriculture
Geographic Range	Maine
Commissioner	David P. Littell
	Climate Action Plan Coordinator, Malcolm C. Burson malcolm.c.burson@maine.gov
Number of Staff	.5

In June 2003, the Maine State Legislature passed a bill charging the Department of Environmental Protection (DEP) with developing an action plan with the goal of reducing greenhouse gas emissions from state sources. DEP initiated a stakeholder process, seeking input and building consensus on how best to meet the required emissions reductions. DEP submitted a *Climate Action Plan for Maine* to the legislature in December 2004, and continues to be responsible for implementation. The Website provides access to working documents, updates, schedules, and other information related to the process. The Stakeholder Advisory Group formed several topical working groups and used detailed analysis, numerous technical framing papers, and other documents in forming the Action Plan. Action Plan recommended policy initiatives are implemented through a wide range of activities, including legislation, state-level executive and regulatory action, voluntary action on the part of the private sector, regional initiatives, etc.

**Department of Conservation**

22 State House Station

Augusta, ME 04333

207-287-2211

<http://www.maine.gov/doc>

Type of Organization	state agency
Concentration	natural resource management and protection
Activities	Geological Survey, Land Use Regulation Commission, Maine Forest Service, Bureau of Parks and Lands
Geographic Range	Maine
Commissioner	Patrick K. McGowan
Number of Staff	600

The Maine Department of Conservation is a natural resource agency whose bureaus oversee the management, development, and protection of 17 million acres of forestland, 10.4 million acres of unorganized territory, 47 parks and historic sites, and more than 480,000 acres of public reserved land. Created in 1973, the Department of Conservation's mission is to benefit the citizens, landowners, and users of the state's natural resources by promoting stewardship and ensuring responsible balanced use of Maine's land, forest, water, and mineral resources. The Department of Conservation oversees several efforts that address climate change in Maine. The Maine Geological Survey conducts several research programs regarding the impacts of sea-level change upon Maine's varied and extensive coastline (see under Research Entities for more details). The Department of Conservation also oversees the governor's Wood-to-Energy Initiative, which seeks to reduce the state's reliance on foreign oil and stimulate Maine's economy by developing renewable sources of energy made in Maine. The Maine Forest Service is responsible for implementing forestry-related initiatives in *A Climate Action Plan for Maine 2004*, and is leading the RGGI effort to expand the range of forest management activities eligible for offset credits.

**Department of Environmental Protection**

17 State House Station

Augusta, Maine 04333

207-287-7688

<http://www.maine.gov/dep/>

Type of Organization	state agency
Concentration	Bureaus of Air Quality, Water Quality, Remediation and Waste Management
Activities	regulation, education, monitoring and assessment
Geographic Range	Maine
Commissioner	David P. Littell
	DEP Office of Innovation Director, Suzanne Watson, <a href="mailto:suzanne.watson@maine.gov">suzanne.watson@maine.gov</a> Clean Government Initiative, Peter Cooke, <a href="mailto:Peter.Cooke@maine.gov">Peter.Cooke@maine.gov</a>
Number of Staff	415

The Department of Environmental Protection (DEP) is responsible for protecting and restoring Maine's natural resources and enforcing the state's environmental laws. The Department is also directed to protect and enhance the public's right to use and enjoy the state's natural resources. Working with the general public, legislators, and state and municipal agencies, the DEP educates, makes regulatory decisions, and implements environmental laws and programs. Over the years, the DEP has continued to evolve to its current organization consisting of the Board of Environmental Protection (appointed by the governor), the Commissioner's Office, and three bureaus which administer the Department's environmental programs: Air Quality, Land and Water Quality, and Remediation and Waste Management. The DEP is responsible for the permitting of wind power projects. The DEP makes recommendations to the legislature regarding measures to prevent, minimize, and eliminate environmental pollution; issues licenses; initiates enforcement actions; and provides information and technical assistance. The DEP serves as the main link to the federal government on environmental issues and administers some federal programs. The DEP administers several state initiatives such as Maine Clean Government, and *A Climate Action Plan for Maine 2004*, while the Office of Innovation oversees many programs designed to reduce greenhouse gas emissions. These include: The Governor's Carbon Challenge, STEP-UP, and Green Business Certification. The programs with the greatest relevance to climate change are briefly described below.

**The Governor's Carbon Challenge** (see entry in Private Sector)

**Environmental Leaders of Maine**

<http://www.maine.gov/dep/innovation/stepup/index.htm>

Businesses voluntarily commit to a wide range of environmental initiatives and potential pollutant reductions that take them "beyond compliance" with regulatory requirements. At the center is "smart production," identifying ways to reduce toxic hazardous materials; modify processes to avoid emissions, and reduce water and energy use, etc. Companies

choose their own goals and are required to adopt an Environmental Management System and, specific to climate change issues, must participate in the Governor's Carbon Challenge. Among companies in Maine that are actively involved in the program are Bath Iron Works, Fairchild Semiconductor, Wright-Ryan Engineering, and CYRO Manufacturing.

**Green Business Certification**

<http://www.maine.gov/dep/innovation/greencert/index.htm>

Green Business Certification is a voluntary self-certification program to assist selected business sectors with green performance standards. After fulfilling the assessment and meeting the standards, businesses receive logos and free advertising opportunities in certain state brochures.

**Maine Department of Transportation**

16 State House Station

Augusta, ME 04333

207-624-3000

[explore-info@exploremaine.org](mailto:explore-info@exploremaine.org)<http://www.maine.gov/mdot/><http://www.exploremaine.org/>

Type of Organization	state agency
Concentration	transportation
Activities	licensing, permitting, planning
Geographic Range	Maine
DOT Commissioner	David A. Cole
Number of Staff	2,300

The Department of Transportation has a variety of functions including issuing licenses and permits for road operations, providing the 511 road condition service and transportation planning. The Explore Maine Program is the DOT's Website that helps the public make smart transportation choices that do not necessarily include a car. The site lists reliable options for travel throughout Maine via bus, train, airplane, boat, bike, or car. MaineDOT is actively pursuing planning practices that better integrate land use development with existing and future transportation infrastructure investments. Better integration of land use planning and transportation investments will result in a reduction in vehicle miles traveled.

**Federal Energy Regulation Commission**

888 First Street, NE  
 Washington, DC 20426  
 202-502-6088  
 customer@ferc.gov  
<http://www.ferc.gov/>

Type of Organization	federal commission
Concentration	energy
Activities	regulate the interstate transmission of natural gas, oil, and electricity. FERC also regulates natural gas, hydropower, and tidal energy projects.
Geographic Range	national

The Federal Energy Regulatory Commission (FERC) regulates and oversees energy industries in the economic, environmental, and safety interests of the American public. This commission is the first step in permitting the potential development of tidal power. The Commission's responsibilities include issuing licenses for research and construction of new projects and issuing licenses for the continuance of existing projects (relicensing). The Maine State Planning Office tracks the status of all hydroelectric projects and licenses including those having to do with tidal power. Currently there are eight preliminary permits (research) issued and six other preliminary permits pending. If projects progress past the initial research phase onto “pilot” phase they require permitting from DEP. At this date there are no “pilot” phase tidal power projects.

**Office of Energy Independence and Security**

22 State House Station

Augusta, ME 04333

207-287-3292

[http://maine.gov/governor/baldacci/cabinet/energy\\_independence.html](http://maine.gov/governor/baldacci/cabinet/energy_independence.html)

Type of Organization	state executive office
Geographic Range	Maine
Director	Governor John E. Baldacci
	Office of Energy Independence and Security Director, John Kerry, <a href="mailto:John.Kerry@maine.gov">John.Kerry@maine.gov</a>
Number of Staff	3

In 2003, the Governor created the Office of Energy Independence and Security (OEIS). The OEIS is responsible for preparing and submitting a comprehensive state energy plan to the governor and the legislature by January 15, 2009 and every two years thereafter. The OEIS also collects and analyzes data on energy supply, demand, and costs; coordinates the dissemination of energy information to the public and the media; provides technical assistance and information to the governor and the legislature regarding the state’s short-range and long-range energy needs and the resources to meet those needs; seeks funds and partnerships with public and private sources to support the goals of the office including, but not limited to, promoting energy efficiency, demand-side management, and distributed generation. OEIS works with transmission and distribution utilities and state agencies to negotiate agreements that create value for electricity consumers, and monitors energy transmission capacity planning and policy affecting Maine and the regulatory approval process for the development of energy infrastructure.

**Energy Resources Council**<http://www.maineenergyinfo.com/>

Type of Organization	state council
Concentration	energy policy
Geographic Range	Maine
Director	Governor's Office of Energy Independence and Security, John Kerry, <a href="mailto:John.kerry@maine.gov">John.kerry@maine.gov</a>
Number of staff	9

The Energy Resources Council is an interagency, cabinet-level council of state agencies with energy responsibilities. It advises the governor and legislature in the formulation of energy policy. Council members include the Director of the Governor's Office of Energy Independence and Security, Chair of the Public Utilities Commission, the Public Advocate, commissioners from the departments of Administration and Financial Services, Conservation, Economic and Community Development, Environmental Protection, and Transportation, and the directors of the Maine State Housing Authority and the State Planning Office. The Website provides links to Maine energy information located on dozens of state, federal, and industry Websites.

**MaineHousing: Maine State Housing Authority**

353 Water Street

Augusta, ME 04333

207-626-4600

<http://www.mainehousing.org/>

Type of Organization	independent state agency
Concentration	affordable safe housing
Activities	weatherization, grants, tax rebates
Geographic Range	Maine
Director	Dale McCormick
	Green Program Coordinator, Lucy Van Hook, lvanhook@mainehousing.org
Number of Staff	130

MaineHousing, Maine's Housing Finance Agency, is a leader in green, energy efficient housing as a way to make housing more affordable to operate and maintain.

MaineHousing is also leading by example in its own office, demonstrating that "green" makes economic sense as well as environmental sense. MaineHousing was the first housing authority in the nation to develop and require Green Building Standards for all new housing developments it finances. The agency is testing several alternative energy sources, such as solar thermal and wind, to reduce Maine's dependence on imported oil, and was the first housing authority to install a windmill on an affordable housing project. It funds home improvement programs that make existing housing more energy efficient, and distributes heating assistance to nearly 50,000 Maine low-income households annually. MaineHousing also offers affordable mortgages to first time homebuyers in Maine, and is a lender of choice for people who want to support socially responsible organizations. MaineHousing is an equal opportunity lender.

**Maine PowerOptions**

3 University Drive  
 P.O. Box 2268  
 Augusta, ME 04338  
 207-621-0744; 1-877-852-3332  
 info@mainepoweroptions.org  
 http://www.mainepoweroptions.org

Type of Organization	nonprofit quasi-state agency
Concentration	energy education and purchasing consortium
Activities	assisting members in making wise power purchases, education related to energy use, including conservation, renewables, and retail and wholesale market structure
Geographic Range	Maine
Executive Director	Robert O. Lenna, rol@mainepoweroptions.org
	Program Officer, Mary Lou Gallup, mlg@mainepoweroptions.org

Maine PowerOptions is a program of the Maine Municipal Bond Bank and Maine Health and Higher Educational Facilities Authority. An energy-purchasing consortium which serves as an aggregator for Maine's local governmental, health care higher education, and nonprofit organizations, Maine PowerOptions is designed to inform members and increase the buying power of eligible participant organizations for the purchase of fuel oil and electricity. Maine PowerOptions educates members on market structure, risk management, regulations, legal issues, and purchasing options. The result is lower energy costs for Maine's nonprofit healthcare organizations, higher education institutions, water, sewer, and school districts, municipalities, all other nonprofit organizations, and the University of Maine System. Maine PowerOptions was responsible for the first green electricity supply contract signed in the state, with York Hospital. Maine PowerOptions has provided custom blends of electricity supply from Maine-based small hydro and biomass facilities and has made available supply from wind, solar, and landfill gases.

**Maine Public Utilities Commission**

242 State Street  
 18 State House Station  
 Augusta, Maine 04333  
 1-800-452-4699  
<http://www.maine.gov/mpuc/>  
<http://www.energymaine.com/>  
<http://www.carbonfreehomes.org>

Type of Organization	state agency
Concentration	regulates Maine utilities (electric, gas, water, and telecommunications)
Activities	Efficiency Maine, Carbon Free Homes, Voluntary Renewable Resources Fund, Dig Safe, Enhanced 911
Commissioners	Kurt Adams (chair), Sharon M. Reishus, Vendean V. Vafiades
Program Director	Dennis Bergeron

The Maine Public Utilities Commission ensures that consumers have access to safe and reliable service for public utilities and that the rates for these utilities are just and reasonable. PUC programs include Efficiency Maine and Carbon Free Homes, described below.

**Efficiency Maine**

Efficiency Maine is a statewide effort to promote the more efficient use of electricity, help Maine residents and businesses reduce energy costs, and improve Maine's environment. Efficiency Maine is funded by electricity consumers and administered by the Maine Public Utilities Commission. The Efficiency Maine team, with the help of hundreds of Program Allies statewide, supports several programs to accomplish these goals. The two most broadly based programs are the Business Program, which provides technical assistance and cash incentives to help businesses install more efficient lighting, HVAC, and other equipment; and the Residential Program, which encourages households to switch to energy-efficient compact fluorescent lamps (CFLs) and appliances, provides rebates for the purchase of CFLs and has instituted in partnership with the Maine Department of Environmental Protection the nation's first statewide CFL recycling program.

**Carbon Free Homes**

Initiated by an act of the Maine Legislature, the PUC launched Carbon Free Homes on April 22, 2007 to increase awareness of clean energy and energy efficiency in Maine. Carbon Free Homes' primary goal is to help Maine take a further step towards reducing the use of fossil fuels, CO<sub>2</sub> emissions, contribution to global warming, and dependence on imported oil and gas by promoting clean energy alternatives to Maine electricity consumers. Carbon Free Homes helps Maine households become carbon free by making it easy to calculate their present carbon footprint, take simple steps to cut energy consumption and utility bills, switch to clean energy, or purchase Clean Energy Credits.

**Maine State Planning Office**

38 State House Station  
 Augusta, Maine 04333  
 207-287-6077; 1-800-662-4545  
<http://www.maine.gov/spo/>

Type of Organization	state executive office
Activities	advises the governor on developing and implementing policy, assists the legislature with information and analyses, and provides local and regional financial and technical assistance
Geographic Range	Maine
Director	Martha Freeman, <a href="mailto:martha.freeman@maine.gov">martha.freeman@maine.gov</a>
	Maine Coastal Program Director, Kathleen Leyden, <a href="mailto:kathleen.leyden@maine.gov">kathleen.leyden@maine.gov</a> Land for Maine's Future Director, Tim Glidden, <a href="mailto:tim.glidden@maine.gov">tim.glidden@maine.gov</a> Energy Resources Council, Sue Inches, <a href="mailto:sue.inches@maine.gov">sue.inches@maine.gov</a> Land and Water Resources Council, Todd Burrowes, <a href="mailto:todd.burrowes@maine.gov">todd.burrowes@maine.gov</a>
Number of Staff	48

The State Planning Office is part of the Executive Department that provides planning assistance, policy development, program management, and technical assistance to build a sustainable future for Maine's communities, businesses, and residents. Created in 1968, the office provides independent analysis to the governor and legislature on the development of the state's economy and conservation of its natural resources. The Maine State Planning Office strives to integrate the development of the state's economy with the conservation of its natural resources. This involves coordinating a long-range view of state policies, including the development of economic, natural resource, energy, land use, and fiscal and regulatory policy. The State Planning Office identifies and assists with issues of long-term significance to the state, particularly those that involve multiple agencies. The State Planning Office also provides a wide range of technical and financial assistance to Maine communities. Several boards, commissions, and programs with relevance to climate change exist under the State Planning Office. These include the the Land and Water Resources Council, Energy Resources Council (see entry in this section), and the Maine Coastal Program and Land for Maine's Future Board, described below.

**Maine Coastal Program**

In 1972 Congress passed the Coastal Zone Management Act that authorized funding for state coastal programs to work in partnership with the federal government to balance conservation with human demands, and the Maine Coastal Program was established in 1978. Administered by the Maine State Planning Office, the Coastal Program is a networked partnership among local, regional, and state agencies. It also collaborates with many private organizations, such as local land trusts and economic development groups.

The Coastal Program undertakes or supports projects that promote sustainable economic development, encourage environmental stewardship and education, conserve and manage marine fisheries, reduce coastal hazards, and improve public access. The Maine Coastal Program role in climate change currently involves planning for sea level rise, including support for mapping and development of guidance for municipalities about adaptation techniques.

**Land for Maine's Future**

In 1987, citizens voiced their desire to have Maine's most valued places held forever in the public trust for all to enjoy. The Maine Legislature created the Land for Maine's Future (LMF) Program to secure "the traditional Maine heritage of public access to Maine's land and water resources or continued quality and availability of natural resources important to the interests and continued heritage of Maine people." Four bonds supporting the LMF Program with a total of \$117 million over 20 years have passed by overwhelming margins. Since its creation, LMF has assisted in the acquisition of more than 490,000 acres from willing sellers, including 247,000 acres protected through conservation easements. The lands protected through the LMF Program include more than 1,000 miles of shorefront and 158 miles of rail-trails as well as valuable wildlife habitat, entire islands, and working forests and farms.

**NESCAUM -Northeast States for Coordinated Air Use Management**

101 Merrimac St., 10th Floor

Boston, MA 02114

617-259-2000

<http://www.nescaum.org/>

Type of Organization	quasi-governmental nonprofit
Concentration	air quality, climate and energy, mobile sources, policy
Activities	climate registry, emissions/pollutants analysis
Geographic Range	New England, New York, New Jersey
Executive Director	Arthur S. Marin, <a href="mailto:amarin@nescaum.org">amarin@nescaum.org</a>
	Climate and Energy Team Manager, Michelle Manion, <a href="mailto:mmanion@nescaum.org">mmanion@nescaum.org</a>
Number of Staff	30

NESCAUM is a nonprofit association of air quality agencies in the Northeast. The Board of Directors consists of the air directors of the six New England states (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont), New Jersey, and New York. NESCAUM committees and workgroups meet regularly to discuss issues ranging from regional haze to air permitting to mobile source issues. NESCAUM also provides forums for public education and promotes research initiatives such as the Northeast Center for Atmospheric Science and Policy and the Northeast Diesel Collaborative, and hosts the Clean Air Academy which provides advanced air quality training for state officials.

**New England Governors' Conference, Inc.**

6 Summer Street  
 Boston, MA 02110  
 617-423-6900  
 info@negc.org  
 http://www.negc.org/

Type of Organization	quasi-governmental nonprofit
Concentration	cross-cutting regional issues
Geographic Range	New England
Chairman	Donald Carcieri
	Program Director, John Shea
Number of staff	6

An informal alliance since colonial days, the New England Governors' Conference (NEGC) coordinates regional policy programs in the areas of economic development, transportation, environment, energy, and health, among others. Through these efforts, the Conference seeks to coordinate, effectively and cost-efficiently, regional policies that reflect and benefit the states. The NEGC has been a leader on such matters as reducing air emissions and addressing public health issues associated with environmental problems, and has conducted important studies in such areas as efficiency, renewables, alternative transportation, and fuel supplies. The NEGC Environment Committee is comprised of the commissioners of the state departments of environmental protection, and the NEGC also works closely with the New England Regional Office of the U.S. Environmental Protection Agency. The NEGC serves as the Secretariat for the New England Governors/Eastern Canadian Premiers (see page 53).

**New England Governors/Eastern Canadian Premiers**

negc@tiac.net

<http://www.negc.org/premiers.html>

Type of Organization	quasi-governmental nonprofit
Concentration	cross-cutting regional issues
Geographic Range	New England and Eastern Provinces
Current Chair	Charles C. Tretter Executive Director, Prince Edward Island Premier Robert Ghiz

The Conference of New England Governors and Eastern Canadian Premiers was established in 1973. At their conferences, generally held annually, the governors and premiers discuss issues of common interest and concern, and enact policy resolutions that call on actions by the state and provincial governments, as well as by the two national governments. During the year, the Conference convenes meetings of state and provincial officials, organizes roundtables and workshops, and prepares reports and studies of issues of regional import. Generated from these conferences is the continued support for RGGI and Climate Registry, and the Clean Government Initiative.

**Regional Greenhouse Gas Initiative (RGGI)**<http://www.rggi.org/>

Type of Organization	quasi-governmental nonprofit
Concentration	greenhouse gas emissions
Activities	cap-and-trade program
Geographic Range	Northeast and Mid-Atlantic states, Eastern Provinces
Main Contact	James Brooks, DEP, 207-287-7044

The Regional Greenhouse Gas Initiative (RGGI or "ReGGIe") is a cooperative effort by 10 Northeast and Mid-Atlantic states to implement a regional cap-and-trade program, initially covering carbon dioxide emissions from power plants in the region. In the future, RGGI may be extended to include other sources of greenhouse gas emissions, and greenhouse gases other than CO<sub>2</sub>. Currently, Connecticut, Delaware, Maine, Massachusetts, Rhode Island, New Hampshire, New Jersey, New York, Maryland, and Vermont are participating in the RGGI effort. In addition, the District of Columbia, Pennsylvania, and the Eastern Canadian Provinces, are observers in the process. Most of the participating states have signed enabling legislation and/or adopted a model rule that will allow the program to begin as scheduled on January 1, 2009. The initial auction of allowances will take place in the third quarter of 2009. Each covered electricity unit will need to purchase allowances sufficient to meet its cap each year from 2009 through 2015, after which the cap will be lowered each year through 2019. Revenues from the sale of allowances will be used by each state to promote energy efficiency.

## Colleges, Universities, and Related Initiatives and Programs

### **American College and University Presidents' Climate Commitment**

Second Nature, Inc.  
 18 Tremont Street, Suite 1120  
 Boston, MA 02108  
 617-224-1610  
<http://www.presidentsclimatecommitment.org>

Type of Organization	agreement
Geographic Range	USA
President	Anthony D. Cortese, <a href="mailto:acortese@secondnature.org">acortese@secondnature.org</a> Executive Assistant, Megan Begley, <a href="mailto:mbegley@secondnature.org">mbegley@secondnature.org</a>
Number of Participants	506 signatories nationwide

The American College and University Presidents' Climate Commitment (ACUPCC) is an effort to address global warming by garnering institutional commitments to neutralize greenhouse gas emissions, and to accelerate the research and educational efforts of higher education to equip society to re-stabilize the earth’s climate. The ACUPCC is organized and managed by ecoAmerica, Second Nature, and the Association for the Advancement of Sustainability in Higher Education. ACUPCC provides a framework and support for America’s colleges and universities to go climate neutral. Presidents signing the commitment are pledging to eliminate their campuses’ greenhouse gas emissions over time. This involves: 1) Completing an emissions inventory; 2) Within two years, setting a target date and interim milestones for becoming climate neutral; 3) Taking immediate steps to reduce greenhouse gas emissions by choosing from a list of short-term actions; 4) Integrating sustainability into the curriculum and making it part of the educational experience; and 5) Making the action plan, inventory, and progress reports publicly available. Maine Signatories include Presidents from the following institutions: Bates College\*\*, Bowdoin College\*, College of the Atlantic\*\*\*, Unity College\*\*\*, University of Maine at Farmington\*\*, University of Maine at Presque Isle \*\*, University of Maine at Fort Kent\*, University of Southern Maine\*, University of Maine at Augusta\*, University of Maine at Machias\*, University of Maine\*.

- \*\*\* Charter Signatory and member of the Steering Committee
- \*\* Charter Signatory & Members of the ACUPCC Leadership Circle
- \* Charter Signatory

**Green Campus Consortium of Maine**<http://www.megreencampus.com/>

Type of Organization	partnership
Concentration	sustainability
Activities	networking, green buildings, energy efficiency, renewable energy
Geographic Range	Maine
Administrator	Dudely Greeley, dgreeley@usm.maine.edu
Number of Members	~20 colleges and universities, state departments and nonprofits

The Green Campus Consortium (GCC) is a statewide network of universities, colleges, and partners that share and communicate their efforts toward environmental sustainability. GCC maintains a member listserv and conducts workshops, conferences, and meetings focused on topics such as purchasing sustainably-generated electricity, conducting greenhouse gas emissions inventories, green buildings, sustainable dining services, alternative fuels, energy efficiency, energy conservation, and sustainable landscaping. GCC associates include campus green coordinators, university sustainability councils, student green groups, community partners, and public sector entities. These groups and individuals provide various services and expertise to their institutions and communities related to the some of efforts addressing climate change listed above. GCC is active in regional discussions of campus and institutional sustainability. Currently GCC is working with Maine Clean Government Initiative to explore the purchase of Maine-produced wind energy and combined heat and power generation projects for the University of Maine System. GCC members include Bates College, Bowdoin College, Chewonki Foundation, Colby College, College of the Atlantic, Maine Department of Environmental Protection, MOFGA, Unity College, University of Maine at Farmington, University of Maine at Fort Kent, University of Maine, University of Maine at Machias, University of New England, University of Southern Maine, St. Joseph's College, and Maine State Planning Office.

**Bates College**

2 Andrews Road

Lewiston, ME 04240

207-786-6255

<http://www.bates.edu><http://www.bates.edu/x166787.xml>

Type of Organization	college
Concentration	undergraduate liberal arts education
Activities	American College and University Presidents' Climate Commitment, Green Campus Consortium, Clean Air-Cool Cities partner, campus sustainability, environmental education and research
Geographic Range	Lewiston, Maine
President	Elaine Tuttle Hansen, <a href="mailto:president@bates.edu">president@bates.edu</a>
	Sustainable Bates Environmental Coordinator, Julie Rosenbach, <a href="mailto:jrosenba@bates.edu">jrosenba@bates.edu</a>
Number of students	1,660

In 2006 Bates College hired a full-time environmental coordinator and created an Office of Sustainability. The Sustainability Office coordinates environmental efforts across the campus and provides strategies and opportunities for reducing Bates' overall environmental footprint. In February 2007, President Elaine Hansen signed on to the American College and University Presidents' Climate Commitment. Bates recently updated its inventory of greenhouse gas emissions and has begun formulating a strategy for reducing emissions over the long term. To help move this process along, Bates created a faculty, staff, and student Committee on Environmental Responsibility. Other campus initiatives include a new Zipcar program and Bike Coop, Take-A-Mug-Leave-A-Mug program, CFL handouts, and other tips on conserving resources. In addition to an Environmental Coordinator, and Committee on Environmental Responsibility, Bates has an Environmental Studies Program, and several student organizations dedicated to sound environmental stewardship.

**Bowdoin College**

3800 College Station

Brunswick, ME 04011

207-725-3086

<http://www.bowdoin.edu/sustainablebowdoin>

Type of Organization	college
Concentration	undergraduate liberal arts education
Activities	American College and University Presidents Climate Commitment, Green Campus Consortium, Governor's Carbon Challenge, Clean Air-Cool Cities partner, Campus Sustainability, environmental education, research
Geographic Range	Brunswick, Maine
President	Barry Mills, 207-725-3221
	Coordinator for a Sustainable Bowdoin, Keisha Payson, <a href="mailto:kpayson@bowdoin.edu">kpayson@bowdoin.edu</a>
Number of Students	1,716

Bowdoin is an independent, undergraduate liberal arts institution founded in 1794 which enrolls students from across the country and around the world. The college has a Sustainability Office that works within Facilities Management to help "green" the Bowdoin campus. The Sustainability Office focuses upon issues such as waste reduction, recycling, environmentally preferable purchasing, energy conservation, and alternative transportation. In 2006 the College joined the Maine Governor's Carbon Challenge, a voluntary goal-setting program to assist businesses and non-profit organizations accomplish their greenhouse gas emission reduction goals. In the Spring of 2008 the Governor's Office recognized Bowdoin's 39% reduction in green house gases since the 2002-2003 baseline year. Bowdoin conducts many greening initiatives related to solid waste reduction, green building design, green house gas inventory, and dining services, and has won several awards with regards to these efforts. In 2007 Bowdoin College announced the implementation of an Environmental Management System to help coordinate environmental compliance and the many campus greening efforts with greater efficiency and more broad-based input from the campus community. Bowdoin supports several environmentally minded student groups and has a major in environmental studies.

**Colby College**

4800 Mayflower Hill

Waterville, ME 04901

1-800-723-3032

<http://www.colby.edu/green>

Type of Organization	college
Concentration	undergraduate liberal arts education
Activities	American College Presidents Commitment to Climate Change, Green Campus Consortium, Governor's Climate Challenge, Clean Air-Cool Cities partner, Campus Sustainability, environmental education, research
Geographic Range	Waterville, Maine
President	William D. Adams
	Environmental Initiatives Coordinator, Dale Delbois, <a href="mailto:ddeblois@colby.edu">ddeblois@colby.edu</a>
Number of students	1,867

Colby College identifies sustainability and resource conservation as core institutional values. Colby is committed to nurturing environmental awareness through its academic program as well as through its activities on campus and beyond. Environmentally-safe practices inform and guide campus strategic planning, decision making, and daily operations. The college has an Environmental Advisory Group that advises the president and college community in environmental stewardship of the campus and region. The college has been recognized by the State of Maine and the U.S. EPA for its strong environmental management practices. Colby focuses on environmental best practices in areas including dining services, green buildings, computing, cleaning, solid waste management, and improving energy efficiency. Colby has a student environmental club, majors in environmental studies (policy, science, biology, and chemistry) as well as minors in environmental education and environmental studies. Projects in these areas include long-term watershed monitoring and statewide environmental assessments. Colby has a cogeneration turbine, which produces electricity from waste steam, and purchases only electricity generated by local renewable resources (50% biomass and 50% hydropower).

**College of the Atlantic**

105 Eden Street

Bar Harbor, ME 04609

207-288-5015

<http://www.coa.edu/html/sustainability.htm>

Type of Organization	college
Concentration	undergraduate and graduate programs in human ecology
Activities	American College and University Presidents Climate Commitment, Green Campus Consortium of Maine, Governor's Carbon Challenge Program, Clean Air-Cool Planet partner, carbon neutral, environmental education, research
Geographic Range	Bar Harbor, Maine
President	David Hales
	Consulting Advisor for Sustainability, Craig Ten Broeck, <a href="mailto:tenbroeck@coa.edu">tenbroeck@coa.edu</a>
Number of Students	300

College of the Atlantic (COA) is the world's first college to achieve carbon neutrality. As of December 2007, COA reduced, avoided, or offset all of its greenhouse gas emissions for the previous 15 months. It did this through several efforts including obtaining 100% of its electricity from a Maine hydropower plant, conducting a comprehensive energy audit of campus buildings, working extensively to improve energy efficiency in all buildings, and purchasing carbon offsets for the unavoidable greenhouse gas emissions. At COA alternative commuting methods, such as carpooling and biking, are promoted, as are flexible work arrangements so employees can work from home. Founded in 1969, COA is a liberal arts school where sustainability is inherent to the college's mission. COA offers only one major, human ecology, the study of the relationship between humans and the environment. Called "the Greenest College in the World" by [grist.com](http://grist.com), COA continues to lead in efforts to minimize its environmental footprint. In June 2005, COA held the first known Zero-Waste Graduation. In addition to the efforts that led to achieving carbon neutrality, COA engages in sustainable practices through purchasing local food and raising organic produce at its Beech Hill Farm, creating green buildings, using toxin-free cleaning products, composting, recycling, and energy conservation. In addition, in 2008 COA's Bar Harbor Whale Museum added an entire exhibit focused on Climate Change. For assistance in content the Bar Harbor Whale Museum consulted with scientists from the College of the Atlantic and the Climate Change Institute at the University of Maine.

**Maine Sea Grant**

5784 York Complex

University of Maine

Orono ME 04469

207-581-1435

umseagrant@maine.edu

<http://www.seagrant.umaine.edu>

Type of Organization	university-based federal program
Concentration	coastal and marine science and community needs
Activities	outreach, education, research, partnerships
Geographic Range	Gulf of Maine
Director	Paul Anderson, panderson@maine.edu
Number of staff	18

Maine Sea Grant’s mission is to play a leadership role in marine science and education and to promote their use in the sustainable development, management, and stewardship of marine and coastal resources. The Maine Sea Grant slogan is “Marine Science for Maine People.” Maine Sea Grant solicits input from communities to discuss ways the organization can work towards solutions. Research and outreach are conducted in the following areas: coastal communities, fisheries, ecosystem health, and aquaculture. Maine Sea Grant has funded several projects within these categories related to climate change, including long-term changes to beach profiles and salt marshes caused by sea-level rise, coastal erosion, storm surges, flooding, and increased high tides; and a study of the effects of climate change on the lobster fishery. Maine Sea Grant is conducting a two-year project funded by NOAA’s Climate Change Program on climate change and coastal community resiliency. Maine Sea Grant is an active participant in the Maine Climate Change Assessment (see University of Maine), authoring both scientific and policy content and providing outreach. In 2007, Maine Sea Grant along with Maine Cooperative Extension commissioned a climate change activity inventory of Maine. The result of that inventory is this catalog and a related database, both available to the public.

**Unity College**

90 Quaker Hill Road

Unity, ME 04988

1-800-624-1024

info@unity.edu

<http://www.unity.edu/EnvResources/Sustainability><http://www.ucsustainability.blogspot.com>

Type of Organization	college
Concentration	undergraduate liberal arts, environmental education
Activities	American Colleges and Universities Presidential Climate Commitment, Green Campus Consortium, Governor's Carbon Challenge, NCSE/CEDD sustainability curriculum project, environmental education, research, consulting, and outreach
Geographic Range	Unity, Maine
President	Mitchell Thomashow
	Sustainability Chair, Mick Womersley mwomersley@unity.edu
Number of students	500

Unity College is Maine's "Environmental College" and emphasizes active outdoor education. Unity College emphasizes strong science, analysis, and rationality in its sustainability programs and is a state and national leader and consultant in pragmatic, effective emissions reductions efforts, teaching, and learning. All students must take science coursework in sustainability before they graduate and Unity College strives to engage them in hands-on sustainability practices and community service. Students are members on all of the many sustainability-related committees. Unity College actively monitors its greenhouse emissions, observing a 28% per capita decrease in emissions since 2001 despite adding additional buildings and more students within that time. Unity's sustainability efforts focus on limiting emissions (target decrease by 5% or more annually), green building and retrofitting, purchasing locally, organic farming, and green cleaning. On Earth Day 2008, Unity College announced a low-income energy efficiency carbon offsets program, in partnership with MaineHousing (see MaineHousing under Public Sector). Unity offers bachelor's of science degrees in sustainability design and technology, sustainable food and agriculture, environmental analysis, environmental policy, environmental science, environmental biology, among other majors. There are several outdoor and environmentally oriented student clubs at Unity College.

**University of Maine**

Orono, ME 04469

207-581-1110

<http://www.umaine.edu><http://www.sustainability.umaine.edu/>

Type of Organization	university
Concentration	flagship undergraduate and graduate university for the State of Maine
Activities	education, research, ACUPCC, Green Campus Consortium, Governor's Carbon Challenge, environmental education and research
Geographic Range	Orono, Maine
President	Robert Kennedy, <a href="mailto:president@umaine.edu">president@umaine.edu</a>
	Sustainability Coordinator, Misa Saros, <a href="mailto:Misa.Saros@umit.maine.edu">Misa.Saros@umit.maine.edu</a>
	Maine Climate Change Assessment leaders: George L. Jacobson, Jr., Climate Change Institute, <a href="mailto:jacobson@maine.edu">jacobson@maine.edu</a> Ivan Fernandez, Plant, Soil, and Environmental Sciences, <a href="mailto:ivanjf@maine.edu">ivanjf@maine.edu</a> Paul Mayewski, Climate Change Institute, <a href="mailto:paul.mayewski@maine.edu">paul.mayewski@maine.edu</a>
Number of Students	11,797 (8,645 undergraduates/2,300 graduate students)

University of Maine is the flagship institution in the University of Maine System. The university has 88 bachelor's degree programs, 64 master's degree programs, and 25 doctoral programs. In the spring of 2007 President Kennedy signed the American College and Universities Presidents' Climate Commitment, particularly significant because the University of Maine is the state's largest educational institution. The University of Maine Sustainability Alliance coordinates environmentally minded practices of the university. Facilities, Dining, Auxiliary Service and Student Affairs regularly engage in sustainability practices such as purchasing local food and supplies, composting, and practicing energy efficiency. The University of Maine has two LEED-certified buildings, including the new Recreation Center. University of Maine has a student environmental group and offers degrees in a variety of environmental disciplines including sustainable agriculture from the Department of Plant, Soil, and Environmental Sciences. The University of Maine contributes substantially to climate change mitigation as a national leader in climate change, environmental, ecological and engineering research and education. The University of Maine hosts several research institutes and centers that conduct cutting edge research related to climate change. These institutes and centers are primary contributors to the Governor's requested Maine Climate Change Assessment (see page 64). Most prominent of these is the Climate Change Institute (see Research Entities).

**Maine Climate Change Assessment**

In 2007 Governor Baldacci tasked the director of the Climate Change Institute at the University of Maine with creating a white paper detailing the effects climate change will have on Maine. This responsibility is undertaken by an interdisciplinary group of scientists and policy specialists located within University of Maine institutes, centers and departments, along with researchers at external organizations. The Maine Climate Change Assessment will be presented at a national conference hosted by the Climate Change Institute entitled Climate Change<sup>21</sup>, to be held October 23-24, 2008 at the University of Maine. The report will identify potential climate scenarios, and their probabilities, for Maine in the remainder of the 21st century; inventory the critical impacts, adaptations, and opportunities represented by these scenarios; identify critical environmental monitoring, research, and assessment needs on this issue; and define a framework to continue an ongoing effective dialogue to inform policy on issues of chemical and physical climate in Maine.

Departments, centers, schools, and institutes inside and outside the University of Maine contributing to the report include: Advanced Engineered Wood Composites Center; Center for Tourism Research and Outreach; Climate Change Institute; Departments of Civil and Environmental Engineering, Earth and Environmental Sciences, Mechanical Engineering, Plant, Soil, and Environmental Sciences, Wildlife Ecology, and Wood Science and Technology; Gulf of Maine Research Institute; University of Maine Cooperative Extension; Maine Sea Grant; Maine Geological Survey; Margaret Chase Smith Policy Center; Schools of Forest Resources, Economics, and Marine Sciences; Senator George J. Mitchell Center; USDA New England Plant, Soil, and Water Laboratory; and USGS Maine Water Science Center.

**University of Maine Cooperative Extension**

5741 Libby Hall

Orono, ME 04469

207-581-3188; 1-800-287-0274 (in Maine)

<http://www.umext.maine.edu/>

Type of Organization	extension
Concentration	outreach, education, applied research
Activities	Climate Change Inventory, outreach for Maine Climate Change Assessment, dialogue facilitation, partnerships, educational events
Geographic Range	Maine
Director	John Rebar
	Climate Change Organizational Leader/Marine Extension: Esperanza Stancioff, <a href="mailto:esp@umext.maine.edu">esp@umext.maine.edu</a>
Number of County Offices	16

University of Maine Cooperative Extension is part of the Cooperative Extension System, a publicly-funded educational network. This network comprises the United States Department of Agriculture Cooperative State Research, Education, and Extension Service, the more than 100 colleges and universities that comprise the nation's Land-Grant University System, and 3,150 counties. Nationwide, Extension includes 32,000 employees and 2.8 million volunteers. The University of Maine Extension reaches out to Maine citizens and provides accessible education teaching practical life skills and providing contemporary information, leadership, and service to the state. University of Maine Cooperative Extension conducts programs in every Maine county, and has a program leadership team in sustainable living which incorporates several disciplines and program areas based on climate change research.

**Marine Extension**

The Marine Extension Team is a partnership between University of Maine Cooperative Extension and Maine Sea Grant. The goal of Maine's Marine Extension Team (MET) is to provide coastal communities and other stakeholders with scientific information and assistance. MET members work with communities to address local issues and respond to opportunities in four major areas: ecosystem health, coastal communities, fisheries, and aquaculture. In 2007 the Marine Extension Team's focus expanded to include climate change as it affects Maine's communities and coastal resources. To address this need a staff member in extension has become a climate change-issues program leader and commissioned the creation of a publicly available database of climate change efforts in Maine and has helped create this document. Marine extension holds focus groups on adapting to rising sea level, and facilitates interactions between environmental regulators, climate change scientists, and coastal stake holders. Maine Sea Grant, Marine Extension and Cooperative Extension are taking a central role in conducting the outreach effort for the Maine Climate Change Assessment tasked to the University of Maine by Governor Baldacci.

**University of Maine at Farmington**

246 Main Street

Farmington, ME 04938

207-778-7050

<http://www.umf.maine.edu/><http://greencampus.umf.maine.edu/>

Type of Organization	university
Concentration	undergraduate liberal arts education
Activities	ACUPCC, Green Campus Consortium, environmental research and education, student-faculty-staff sustainable campus coalition, student environmental club
Geographic Range	Farmington, Maine
President	Theo Kalikow
	Program Directors, Drew Barton, barton@maine.edu Valerie Huebner, huebner@maine.edu
Number of Students	2,000

The University of Maine at Farmington (UMF) serves a statewide mission as Maine's public liberal arts college. UMF is committed to environmental stewardship and environmental issues are studied broadly in courses throughout the curriculum. In 2007 President Theo Kalikow signed the American College and Universities Presidents' Climate Commitment. Sustainable practices are integrated into UMF policies, campus management and operations in building and renovating, in reducing pollution and waste, in using appropriate energy resources and materials, and in protecting and incorporating the native environment in campus spaces. The new Education Center and a new residence hall are LEED-certified buildings. The Sustainable Campus Coalition (SCC) was formed with the encouragement of UMF President Kalikow in 2001. SCC, part of an umbrella organization called the Green Campus Consortium of Maine, is comprised of students, faculty and staff. The SCC works both on campus and with groups in the surrounding community.

**University of Maine at Fort Kent**

23 University Drive

Fort Kent, ME 04743

207-834-7500

<http://www.umfk.maine.edu><http://www.umfk.maine.edu/academics/programs>

Type of Organization	university
Concentration	education and research
Activities	Green Campus Consortium, APCUCC, environmental education and research
Geographic Range	Fort Kent, Maine
President	Richard W. Cost
	Professor of Environmental Studies, Kimberly M. Borges-Therien, <a href="mailto:kborges@maine.edu">kborges@maine.edu</a>
Number of students	1,339

UMFK pursues a three-part mission: 1. To focus on the needs of rural communities in America; 2. To celebrate and explore this region's unique Franco/Acadian heritage; and 3. To study and preserve Maine's forests and wilderness. Academic programs are structured in four divisions: Nursing, Education (elementary and secondary), Arts and Humanities, and Natural and Behavioral Sciences, which includes environmental studies, forestry, business management, and computer applications. All programs focus on living and working in rural communities close to the natural environment. The University of Maine at Fort Kent is a liberal arts-based university offering baccalaureate and associate degree programs responding to the needs of northern Maine. In addition, UMFK joins the University of Maine at Machias and the University of Maine at Presque Isle working in a consortium with the goal of maximizing efficiencies of operation while enhancing educational quality and opportunity for all those served by the three campus communities. UMFK is committed to documenting and reducing its campus greenhouse gas emissions in order to reduce contributions to climate change. The UMFK Student Senate and the Environmental Studies Council are two campus organizations that are actively involved in climate change initiatives.

**University of Maine at Machias**

9 O'Brien Avenue

Machias, ME 04654

207-255-1200

ummgreen@maine.edu

<http://www.umm.maine.edu><http://www.greencouncilumm.org/>

Type of Organization	university
Concentration	undergraduate liberal arts education
Activities	APCUCC, Green Campus Consortium, environmental research and education, student greens group
Geographic Range	Machias, Maine
President	Cynthia E. Huggins
	Program Director, Megan Duff, meghan.duff@maine.edu
Number of Students	1,200

The mission of the University of Maine at Machias (UMM) is closely linked to its unique location on the rugged Atlantic Ocean coast, among forests, glacial lakes, and abundant aquatic and terrestrial wildlife. This Downeast location, with its rich human and natural resources, provides a unique living and learning environment for students. UMM's liberal arts curriculum stresses intellectual growth and the advancement of a sustainable environment. UMM has a green council led by students which is developing programs to increase campus sustainability practices and reduce the institution's carbon footprint. UMM's Environmental Studies Program actively integrates students with the surrounding natural resources and associated industries.

**University of New England**

11 Hills Beach Road

Biddeford, ME 04005

207-283-0171

<http://www.une.edu/envcouncil/>

Type of Organization	university
Concentration	liberal arts, health care
Activities	Green Campus Consortium member, environmental research, education
Geographic Range	Biddeford, Maine
President	Danielle N. Ripich
	Co-chair Environmental Council, Rick Peterson, rpeterson@une.edu; Michael Daley, mdaley@une.edu
Number of Students	3,400

The University of New England is an independent, coeducational university with campuses in two Maine coastal cities. UNE is recognized as a leading educator of healthcare professionals, and in addition, UNE offers a comprehensive liberal arts education, with more than 30 undergraduate majors in its College of Arts & Sciences. UNE identifies environmental stewardship as one of its core values. They demonstrate commitment to this value with green buildings, an Environmental Council, a Sustainability Coordinator, and requiring all students, regardless of major, to take an Introduction to Environmental Issues course during their first year. The Environmental Council (EC) was formed in 2005 and is comprised of students, faculty, and staff from both UNE campuses. The Environmental Council has evolved out of the pioneering efforts of faculty and students in the Department of Environmental Studies. The Environmental Council reports to the president, acting in both an advisory and an advocacy capacity on initiatives to green the UNE campus. During its first year of existence, the EC instituted a “Project Initiation Process” designed to create a transparent and competitive means for evaluating proposed environmental actions on either and/or both UNE campuses. It has since initiated a biofuels pilot project, advised the president on university parking policy and plans for a UNE arboretum, worked with other UNE groups to bring shuttle bus transportation to campus, and advocated for the protection of UNE’s 369 acres of undeveloped woodlands.

**University of Southern Maine**

P.O. Box 9300

Portland, ME 04104

207-780-4141

<http://www.usm.maine.edu><http://www.usm.maine.edu/sustain/index.htm>

Type of Organization	university
Concentration	undergraduate, graduate education, law school
Activities	ACUPCC, AASHE STARS pilot partner, Green Campus Consortium, Governor's Carbon Challenge, Clean Air-Cool Planet partner, campus sustainability, environmental research, outreach, and education, signatory of the TALLOIRES DECLARATION
Geographic Range	Portland, Maine
Interim President	Joseph S. Wood
	Director of the Sustainability Office, Dudley Greeley dgreeley@usm.maine.edu
Number of Students	10,478 (8,287 undergraduates/2,191 graduate/law students)

University of Southern Maine is a major educational force in the overall growth and improvement of the economic, civic, social, and cultural fabric of southern Maine. USM offers baccalaureate, master's, and Ph.D. degree programs in a variety of fields. USM offers a minor in Sustainability Studies. For three years USM has offered a paid two-day workshop to help interested faculty members identify the principles of sustainability most relevant to their disciplines and methods to integrate these principles into their coursework. USM's Office of Economic and Environmental Sustainability was created in 2002. The mission of the office is to improve the university's ecological footprint with particular emphasis on reducing university-related emissions of greenhouse gases. USM pursues a host of initiatives to meet this goal including: a wide selection of courses with sustainability content, a sustainable building program, active support of GoMaine's Carpool/Vanpool program, energy efficiency improvements, purchases of hybrid vehicles, green energy purchases, waste reduction strategies, events, internships, several sustainability committees, Talloires Declaration, and USM Recycles. USM played a leadership role in establishing the Green Campus Consortium, and has eight LEED-certified building projects including the first gold certified building in Maine. In addition, the USM Sustainability Office has encouraged the University Maine System to consider a system-wide wind power or sustainable-energy partnership. USM's president sits on an active President's Council on Campus Climate Neutrality that is supported by a large campus-wide advisory group. USM is committed to becoming a functionally carbon-free institution and to graduating students who will help create more sustainable communities, businesses, and lives.

**St. Joseph's College**

278 Whites Bridge Road

Standish, ME 04084

207-892-6766

<http://www.sjcme.edu/sustainable/>

Type of Organization	college
Concentration	Catholic liberal arts education
Activities	Green Campus Consortium, environmental research, education
Geographic Range	Standish, Maine
President	Joseph Lee
	Campus Sustainability Director, Jeanne D. Gulnick, <a href="mailto:jgulnick@sjcme.edu">jgulnick@sjcme.edu</a>
Number of students	~1,000

Rooted in the Roman Catholic Church, Saint Joseph's College, sponsored by the Sisters of Mercy, is a liberal arts college that nurtures intellectual, spiritual and social growth in students of all ages and all faiths within a value-centered environment. St. Joseph's movement toward sustainability is called Attainable Sustainable. Currently the group is trying to assess St. Joseph's carbon footprint. The growing group has student representation and has encouraged local purchasing practices.

## Research Entities

### **Climate Change Institute**

133 Sawyer Environmental Research Center

University of Maine

Orono, ME 04469

207-581-2190

climatechange@maine.edu

<http://www.climatechange.umaine.edu/>

Type of Organization	academic
Concentration	climate change
Activities	natural climate variability, abrupt climate change, human influence on climate, effects of climate on humans and ecosystems, sea level change
Geographic Range	Maine to global
Director	Paul Mayewski, paul.mayewski@maine.edu
Number of Staff	43

The Climate Change Institute (formerly the Institute for Quaternary and Climate Studies) is an interdisciplinary research unit of the University of Maine organized in 1972 to conduct research and graduate education focused on variability of the earth's climate, ecosystems, and other environmental systems, and on the interaction between humans and the natural world. Institute investigations cover the Quaternary Period, a time of numerous glacial/interglacial cycles and abrupt changes in climate, ranging in time from the present to nearly two million years ago. Research activities include field, laboratory, and modeling studies that focus on the timing, causes, and mechanisms of natural and anthropogenically-forced climate change, and on the effects of past climate changes on the physical, biological, chemical, social, and economic conditions of the Earth. Institute research is supported by grants from a variety of sources including the National Science Foundation, the National Oceanic and Atmospheric Administration, the National Aeronautics and Space Administration, and endowments from the Bingham Trust and the Dan and Betty Churchill Exploration Fund. The Institute includes faculty, staff, and students from the departments of anthropology, biological sciences, civil engineering, computer science, earth sciences, history, and marine science.

**Gulf of Maine Research Institute**

350 Commercial Street

Portland, ME 04101

207-772-2321

<http://www.gmri.org>

Type of Organization	independent research and education institution
Concentration	marine ecosystems and fisheries, education, community engagement
Activities	fisheries research, K-12 aquatic science education, community outreach, stakeholder facilitation, technical support
Geographic Range	Gulf of Maine bioregion
Director	John Annala, Chief Scientific Officer
Number of Staff	48

The Gulf of Maine Research Institute (GMRI) is a nonprofit marine science center located in Portland, Maine. GMRI catalyzes community dialogue, interdisciplinary research, and science literacy to realize the natural and human potential of the Gulf of Maine bioregion. Their goal is to position the Gulf of Maine community to emerge at the forefront of a new era of maritime innovation, embracing creative strategies to harness the ocean's productive capacity while sustaining the bioregion's vitality and character for future generations. GMRI scientists partner with fishermen and fishery managers to build knowledge of commercial fish species, critical habitats, fishing gear technology, and human behaviors to enable more effective fishery management in the Gulf of Maine. Education programs engage students with the scientific method and encourage them to learn about Maine's freshwater and marine ecosystems. Community programs help to identify emerging challenges and opportunities in New England fisheries and foster a climate of cooperation among a diverse mix of marine stakeholders. GMRI's laboratory serves as a node of collaborative marine research activity in the heart of northern New England's working waterfront.

**Maine Geological Survey**

22 State House Station

Augusta, ME 04333

207-287-2801

mgs@maine.gov

<http://www.maine.gov/doc/nrimc/mgs/mgs.htm><http://www.maine.gov/doc/nrimc/mgs/explore/marine/index.htm>

Type of Organization	state agency (Bureau of the Maine Department of Conservation)
Concentration	Researching and reporting on geology and geological processes in Maine.
Activities	historical shoreline change, erosion hazard projection, landslide risk analysis, sea level inundation mapping, mitigation and adaptation for climate change along the coast; water resource investigations.
Geographic Range	Maine
Director and State Geologist	Robert Marvinney, <a href="mailto:Robert.G.Marvinney@maine.gov">Robert.G.Marvinney@maine.gov</a>
	State Marine Geologist, Stephen M. Dickson, <a href="mailto:stephen.m.dickson@maine.gov">stephen.m.dickson@maine.gov</a>
Number of Staff	13

The Maine Geological Survey, created by the Maine Legislature in 1836, compiles and maps physical resources of the state including bedrock and surficial geology, aquifers, and coastal environments. High-quality maps and reports are released in printed and electronic formats. Information about past and future climate and sea level change is regularly updated on the MGS Website. Physical geologists map deglaciation history and related formation of high-yield groundwater aquifers. Marine and coastal geologists provide science for policy and management of the state's coastline, and monitoring and mapping potential hazards due to erosion and sea level rise on beaches and bluffs. Outreach activities include working with municipalities, homeowners, and regulatory agencies to reduce hazards and build resiliency along the shoreline. The office partners with the Maine Coastal Program, University of Maine, Maine Sea Grant, and USGS to identify the effects of climate change in the many diverse coastal environments along 3,478 miles of tidally influenced shoreline.

**Margaret Chase Smith Policy Center**

5784 York Complex #4

University of Maine

Orono, ME 04469

207-581-1648

mjsc@umit.maine.edu

<http://www.umaine.edu/mjsc>

Type of Organization	academic
Concentration	policy
Activities	policy analysis and research, publications, education
Geographic Range	Maine, New England
Director	Glenn Beamer, <a href="mailto:glenn.beamer@umit.maine.edu">glenn.beamer@umit.maine.edu</a>
Number of Staff	16

The Margaret Chase Smith Policy Center at the University of Maine is dedicated to advancing public discussion about important policy issues of the day. MCSPC services include policy analysis across a broad range of issues, best practices research, program evaluation, organizational change, and information dissemination and communication. MCSPC works with customers from all sectors and has active partnerships with Maine business and industry, other universities across the country, and policy centers throughout New England. MCSPC associates include University of Maine faculty and other distinguished experts in areas including natural resources and the environment, economic and community development, science and technology, civic life and human development, education policy and change, and organizational change. MCSPC’s journal, *Maine Policy Review*, publishes independent analysis of public policy issues relevant to Maine by providing accurate information and thoughtful commentary. Recent environmental policy work at the Margaret Chase Smith Policy Center includes *From Potatoes to Plastic: Bio-based Fabrics from Maine Agriculture* which Jonathan Rubin, Charlie Morris, and Kate Dickerson are investigating and *A Primer for Maine: Regional Greenhouse Gas Initiative* which Jonathan Rubin coauthored with Sondra Bogdonoff in 2006.

**Muskie School of Public Service**

P.O. Box 9300

University of Southern Maine

Portland, ME 04104

207-780-4430

muskieweb@usm.maine.edu

<http://muskie.usm.maine.edu/>

Type of Organization	academic
Concentration	policy
Activities	research, policy analysis, sponsored events/forums
Geographic Range	Maine, New England
Dean	William Foster, wfoster@usm.maine.edu
	New England Environmental Finance Center Director, Samuel Merrill, smerrill@usm.maine.edu
Number of Staff	300+

Through its teaching, research, and public service, the Edmund S. Muskie School aims to inform policy and practice, and strengthen civic life. The school's more than 300 faculty and research staff come from a wide variety of academic, public management, and direct service backgrounds. Publications, reports, and conferences are direct outcomes of scholarship and research and provide policymakers, practitioners, and the general public with information and analysis to educate and inform decision-making. Public forums and events inform and engage the community and provide a nonpartisan meeting ground for discussion and debate. The Muskie School has sponsored several forums regarding sustainable energy and the Regional Greenhouse Gas Initiative. Within the Muskie School, the New England Environmental Finance Center (NE/EFC) works to further the joint goals of the U.S. EPA and the Muskie School of researching, publishing, and extending creative approaches to environmental protection and management, especially respecting the associated "how-to-pay" questions. In particular, the Center works to advance the understanding and practice of "Smart Growth" throughout New England; to build local capacity to deal with related issues; and to develop and apply techniques that go "beyond compliance" with government regulations.

**Senator George J. Mitchell Center for Environmental & Watershed Research**

5710 Smith Hall  
 University of Maine  
 Orono, ME 04469  
 207-581-3244  
 umgmc@maine.edu  
<http://www.umaine.edu/waterresearch>

Type of Organization	academic
Concentration	water resources
Activities	environmental research, education, outreach
Geographic Range	Maine
Director	David Hart, david.hart@umit.maine.edu
	Assistant Director, John Peckenham, jpeck@maine.edu
Number of Staff	7

The Senator George J. Mitchell Center for Environmental and Watershed Research has an interdisciplinary mission focusing on environmental research, graduate education, and outreach. In all these activities, the Mitchell Center works to provide Maine’s citizens and policymakers with information that enhances efforts to achieve healthy ecosystems, strong communities, and robust economies. The Mitchell Center strives to form productive partnerships with government agencies, nongovernmental organizations, and the private sector to increase the relevance and utility of its programs. Research topics focus on a variety of physical, chemical, and biological processes that influence the quantity and quality of water resources, including linkages between freshwater and marine systems, and the effects of climate change on these systems and interactions. The Maine Water Resources Research Institute is co-located with the Mitchell Center. The Institute sponsors a modest competitive research grant program each year. In the past, projects that addressed climate change and water resources have been funded.

**USDA-ARS New England Plant, Soil, and Water Laboratory**

Portage Road

University of Maine

Orono, ME 04469

207-581-3363

<http://www.ars.usda.gov/>

Type of Organization	federal government research laboratory
Concentration	agricultural systems
Activities	agricultural and environmental research
Geographic Range	regional to national
Research Leader	C. Wayne Honeycutt (soil scientist) wayne.honeycutt@ars.usda.gov
	Program Director, Tim Griffin (agronomist) tim.griffin@ars.usda.gov
Number of Staff	21

The mission of the USDA-ARS New England Plant, Soil, and Water Laboratory is to develop and transfer sustainable, environmentally sound cropping systems and management practices that are profitable; efficiently use nutrients and water; and control pathogens, insects, and weeds with minimal chemical inputs. Research is conducted to evaluate the impact of new cropping systems and management practices on plant pathogens, nutrient dynamics, water availability, soil properties, yield, profitability, and associated interactions. This includes quantifying soil carbon sequestration and emissions of carbon dioxide, methane, and nitrous oxide in agricultural systems. Research is also conducted to optimize nutrient cycling and utilization on organic dairy farms, which includes collaborative evaluations of cropping systems and practices across northern New England. Decision Support Systems are developed to transfer up-to-date technology to growers. The common goal and vision of these research and technology transfer programs is to enhance rural economic vitality in concert with the environment. This office is a strong participant in the Maine Climate Change Impact Assessment and is the hub of sustainable agricultural research and practices in the context of changing climate.

**USGS Water Science Center**

196 Whitten Road  
 Augusta, ME 04330  
 207-622-8201  
<http://me.water.usgs.gov/>

Type of Organization	federal agency
Concentration	freshwater resources
Activities	river, groundwater, and water quality monitoring, hydrologic studies on water resource issues
Geographic Range	Maine
Science Center Director	Robert M. Lent
Number of Staff	24

USGS provides unbiased reliable scientific information to describe and understand the Earth; minimize loss of life and property from natural disasters; manage water, biological, energy, and mineral resources; and enhance and protect quality of life. The Maine Water Science Center (MWSC) conducts research on surface and ground water, precipitation, watershed processes, floods, droughts, snow pack, and water quality. The center is a resource for data, scientific publications, educational material, hydrologic methods, hydrologic modeling, and outreach materials. Scientists at the center analyze and interpret historical data with a focus on understanding hydrologic responses to climate variability and change. Ongoing studies include flood frequency analysis in the context of climate variability. Understanding hydrologic responses to historical climate variability provides a framework for assessing future responses to projected future changes in climate in the region. The MWSC also conducts studies on water availability and water use. The MWSC conducts multidisciplinary hydrologic studies in collaboration with various cooperators including the Maine Department of Transportation, Maine Department of Environmental Protection, National Park Service, Native American tribal organizations, the Atlantic Salmon Commission, and municipalities.

# HENRY P. KENDALL FOUNDATION



**Maine  
Philanthropy  
Center**



**HORIZON  
FOUNDATION, INC.**

