

UMaine Sustainability Asset Map

April 2022

POTENTIAL ASSET AREAS FOR COMMUNITY AND CLIMATE RESILIENCE

INTELLECTUAL/COGNITIVE (Academic content, research, process expertise)

- UMaine Climate Change Institute (<https://climatechange.umaine.edu/>)
- Over 30 UMaine Faculty/Staff formally involved in Maine Climate Council (<http://climatecouncil.maine.gov/>)
- Maine's Climate Future Reports (<https://climatechange.umaine.edu/climate-matters/maines-climate-future/>)
- Maine Climate Office (<https://climatechange.umaine.edu/climate-matters/maine-state-office/>)
- Public Climate Education Resources (<https://climatechange.umaine.edu/climate-matters/climate-education-resources/>)
- Maine Sea Grant (<https://seagrant.umaine.edu/>)
- University of Maine Cooperative Extension (<https://extension.umaine.edu/>)
- Senator George J. Mitchell Center for Sustainability Solutions (<https://umaine.edu/mitchellcenter/>)
- Advanced Manufacturing Center (<https://umaine.edu/amc/>)
- Aquaculture Research Institute (<https://umaine.edu/aquaculture/>)
- Advanced Structures & Composites Center (<https://composites.umaine.edu/>)
- Alliance for Maine's Marine Economy (<https://umaine.edu/alliance/>)
- American Lobster Initiative (<https://seagrant.umaine.edu/extension/american-lobster-initiative/>)
- Center for Community Inclusion and Disability Studies (<https://ccids.umaine.edu/>)
- Center for Research on Sustainable Forests (<https://crsf.umaine.edu/>)
- Center for Undergraduate Research (<https://cugr.umaine.edu/>)
- Cooperative Extension Diagnostic and Research Laboratory (<https://extension.umaine.edu/diagnostic-lab/>)
- Cooperative Forestry Research Unit (<https://umaine.edu/cfru/>)
- Center for Cooperative Aquaculture Research (<https://umaine.edu/cooperative-aquaculture/>)
- Darling Marine Center (<https://dmc.umaine.edu/>)
- Expanded Food and Nutrition Education Program (<https://extension.umaine.edu/food-health/efnep/>)
- Forest Bioproducts Research Institute (<https://forestbioproducts.umaine.edu/>)
- Frontier Institute for Research in Sensor Technologies (<https://umaine.edu/first/>)
- Innovative Media Research and Commercialization Center (<https://imrccenter.umaine.edu/>)
- Maine Center for Genetics in the Environment (<https://umaine.edu/mcge/>)
- Maine Center for Research in STEM Education (<https://umaine.edu/risecenter/>)
- Maine Climate and Ag Network (<https://umaine.edu/climate-ag/>)

- Maine Farm and Seafood Products Directory (<https://extension.umaine.edu/agriculture/farm-product-and-pickup-directory/>)
- Maine-eDNA (<https://umaine.edu/edna/>)
- Maine Food System (<https://extension.umaine.edu/maine-food-system/>)
- Margaret Chase Smith Policy Center (<https://mcspolicycenter.umaine.edu/>)
- UMaine Office of Innovation and Economic Development (<https://umaine.edu/econdev/>)
- UMaine Center on Aging (<https://mainecenteronaging.umaine.edu/>)
- UMaine Institute of Medicine (<https://umaine.edu/medicine/>)
- University of Maine Ocean Observing System (<https://ai.umaine.edu/umoos/>)
- Over 75% of UMaine departments support sustainability related research (<https://umaine.edu/sustainability/commitment/>)
- Over 25% of UMaine researchers conduct sustainability related research (<https://umaine.edu/sustainability/commitment/>)
- Over 65% of Departments offer 1 or more course that includes sustainability (<https://umaine.edu/sustainability/commitment/>)
- Over 30% of UMaine faculty teach about and conduct research on the intersecting human and ecosystem dimensions of sustainability (<https://umaine.edu/sustainability/commitment/>)

COMMUNITY (Student groups, campus mobilization, greater community resources)

- Bodwell Center for Service and Volunteerism (<https://umaine.edu/volunteer/>)
- Black Bear Exchange Food Pantry and Clothing Swap (<https://umaine.edu/volunteer/bbe/>)
- Resilient Communities and Economies (<https://seagrant.umaine.edu/focus-areas/resilient-communities-and-economies/>)
- Cooperative Extension: 4-H Program (<https://extension.umaine.edu/4h/>)
- K-12 Outreach (<https://umaine.edu/outreach/>)
- Innovate for Maine Fellows Program (<https://umaine.edu/innovateformaine/>)
- Green Campus Initiative (<https://umaine.edu/gci/>)
- UMaine Green Team (<https://umaine.edu/greenteam/>)
- Sustainability and Environment Action Division (<https://www.facebook.com/UmaineSEAD/>)
- Permaculture Living and Learning Center (<https://umaine.edu/sustainability/community/terrell-house/>)
- Permaculture and Gardening Club (<https://www.facebook.com/terrellhousepllc/>)
- Divest UMS (<https://www.facebook.com/DivestUMS/>)
- Hutchinson Center (<https://hutchinsoncenter.umaine.edu/>)

BUILT ENVIRONMENT (Physical infrastructure)

- Advanced Structures & Composites Center Wood Composites (<https://composites.umaine.edu/key-services/wood-composites/>)
- Maine Mass Timber Commercialization Center (<https://composites.umaine.edu/key-services/wood-composites/maine-mass-timber-commercialization-center/>)
- LEED Certified Buildings on campus (<https://umaine.edu/sustainability/initiatives/leed/>)

NATURAL ENVIRONMENT (Acreage, forested areas, bodies of water, fertile, farmland, open space)

- Forest Climate Change Initiative (<https://crsf.umaine.edu/forest-climate-change-initiative/>)
- Sustainable Agriculture Program (<https://umaine.edu/foodandagriculture/bs-sustag/>)
- 2,700 Acre DeMeritt Forest Trail System (<https://umaine.edu/campusrecreation/facilities/trails/>)
- 7,894 Acres of Forested University Land (<https://forest.umaine.edu/university-forests/>)
- UMaine Campus Arboretum (<https://umaine.edu/sights/garden-tour/arboretum-plaque-maine-bound-adventure-center-garden/>)
- Littlefield Ornamentals Trial Garden (<https://umaine.edu/sights/garden-tour/littlefield-ornamentals-trial-garden/>)
- Fay Hyland Botanical Garden (<https://umaine.edu/sights/garden-tour/fay-hyland-botanical-garden/>)
- Aroostook Farm (<https://umaine.edu/aroostookfarm/>)
- Blueberry Hill Farm (<https://umaine.edu/blueberryhillfarm/>)
- Highmoor Farm (<https://umaine.edu/highmoorfarm/>)
- Rogers Farm (<https://umaine.edu/rogersfarm/>)
- J. Franklin Witter Teaching & Research Center (<https://umaine.edu/wittercenter/>)

TRANSPORTATION (Current, planned)

- University of Maine Transportation Infrastructure Durability Center (<https://www.tidc-utc.org/>)
- Margaret Chase Smith Policy Center Transportation Research (<https://mcsppolicycenter.umaine.edu/mcspsc-research/mcspsc-transportation-research/>)
- Campus EV chargers (<https://umaine.edu/sustainability/initiatives/evcharging/>)
- Black Bear Orono Express free to all riders (<https://umaine.edu/shuttle/>)
- Community Connector free to anyone with a Mainecard (<https://www.bangormaine.gov/bus>)
- Campus Carpool Program (<https://umaine.edu/parking/carpool-information/>)
- Bike Repair Stations (<https://umaine.edu/sustainability/map-points-category/bike-repair-stations/>)

WASTE REDUCTION (Systems, programs)

- UMaine Advanced Composting Facility composts ~400,000 lb of food waste annually (<https://umaine.edu/sustainability/initiatives/composting/>)
- Hoop House Greens served in UMaine commons and Grown with UMaine compost (<https://www.facebook.com/UMaineGreens/>)
- Campuswide Single Stream Recycling Program (<https://umaine.edu/sustainability/initiatives/recycling/>)
- Zero-Waste events (<https://umaine.edu/dining/local/good-citizens-sustainability/>)

FOOD (Farms, gardens, facilities, experts)

- UMaine Greens (<https://umaine.edu/foodandagriculture/student-organizations/>)
- Black Bear Food Guild (<https://umaine.edu/foodandagriculture/student-organizations/>)
- Maine Harvest for Hunger (<https://extension.umaine.edu/harvest-for-hunger/>)

- Maine Dining Services 25% by 2025 Local Food Procurement (<https://umaine.edu/dining/local/good-citizens-sustainability/>)
- EPA Food Recovery Challenge waste diversion program (<https://www.epa.gov/sustainable-management-food/learn-about-food-recovery-challenge>)

WATER (Natural and human systems, resources)

- Maine Sustainability & Water Conference (<https://umaine.edu/mitchellcenter/event/2023-maine-sustainability-water-conference/>)
- Stormwater Management Program (<https://umaine.edu/ofm/regulatory/stormwater-management-program/>)
- Vernal Pools for Me (<https://umaine.edu/mitchellcenter/road-to-solutions/vernal-pools-for-me/>)

ENERGY (Systems, programs)

- UMaine has Committed to Purchase 27,000,000 kWh of Renewable Electrical Energy Each Year for the Next 20 Years (<https://www.competitive-energy.com/solar/eight-new-solar-projects-spurred-by-state-legislation-encourages-renewable-energy-investment-and-increases-affordable-access-to-clean-power>)
- UMaine Energy Center New Central Steam Plant Being Designed to use Renewable Fuels (<https://mainecampus.com/2019/04/university-moves-forward-with-renewable-energy-plan/>)
- Forest Bioproducts Research Institute Renewable Energy Research (<https://forestbioproducts.umaine.edu/research-projects/>)
- New England Aqua Ventus (<https://newenglandaquaventus.com/>)
- New England CHP Technical Assistance Partnership (<https://betterbuildingssolutioncenter.energy.gov/chp/new-england-chp-technical-assistance-partnership>)
- Maine Campus Compact CES, MPES, & MEAP Americorps Energy Efficiency programs (<https://umaine.edu/sustainability/initiatives/meap/>)

FINANCIAL (grants, loans, seed money, financial skills)

- \$500,000 Green Loan Fund (<https://umaine.edu/sustainability/grants/>)
- \$500,000 Green Revolving Fund (<https://umaine.edu/sustainability/grants/>)
- UMS BOT ESG Endowment Investment Policy since 2017 (<https://www.mainebiz.biz/article/umaine-system-marks-earth-day-with-new-investment-policy>)

OTHER

- Spire: The Maine Journal of Conservation and Sustainability (<https://umaine.edu/spire/>)
- UMaine Carbon Commitment to Reach Net-Zero by 2040 (<https://umaine.edu/sustainability/commitment/>)