

LOCAL CLIMATE IMPACTS

More intense and frequent storm events (all seasons)

- Increase of 55% since 1960
- More intense and variable precipitation is the main climate hazard in New England
- Increased likelihood of flooding and infrastructural damage

Increasing temperatures

- Increase of 2.9F since 1895
- Increased drought and agricultural loss
- Increase in health impacts like heat-related illness, pollution, and vector-borne disease

CLIMATE RESILIENCE

Climate resilience is the ability to anticipate, prepare for, and respond to hazardous events, trends, or disturbances related to climate.

WORKING FOR YOU

Canton has already completed multiple mitigation & adaptation initiatives, and has many more efforts ongoing or planned in the future

Please see the Sustainability Initiatives webpage for more information
<https://www.town.canton.ma.us/845/Sustainability-Initiatives>

WANT TO LEARN MORE?

Resiliency @ Home Workshops: View a recording and resource page on measures homeowners can take to make their yards more resilient to climate change.

<https://www.town.canton.ma.us/876/Resiliency-Home-Workshops>

Planning Department



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Install a rain barrel to lower water usage



CLIMATE PROOFING YOUR HOME



CANTON WORKING FOR YOU

Climate change resiliency is an ongoing priority for Canton. The Town is working on identifying and mitigating climate risks, including flooding, extreme weather, and heat/drought impacts. Public and private properties will be affected more frequently by climate change.



HOW YOU CAN HELP

Electrical

- Install a backup battery power source, which can be charged using solar photovoltaic panels
- Install a backup generator
- Use a programmable smart thermostat to reduce heating and cooling costs
- Purchase renewable energy, convert to LED lighting, and use smart powerstrips

Plumbing

- Insulate hot water pipes and hot water tank to reduce heat loss
- Insulate water pipes near exterior walls, roof, and crawl spaces to prevent freezing in winter

Heating and Cooling

- Use ceiling fans and replace older air conditioning units and HVAC systems
- Install insulating blinds and solar shades

INTERIOR

- Research costs, savings, and weatherization programs to save on the installation of new windows, doors, and insulation
- For a low cost, air sealing windows and doors increase the efficiency of heating and cooling systems
- Install solar shades, blinds, or curtains
- Insulate cold water pipes to prevent condensation and increased humidity in the summer



Photo by Dennis Schroeder. Public Domain

EXTERIOR

- Use light color roofing material
- Install radiant barriers in your roof to lower heating and cooling costs
- Install electric heat trace cables near eaves to melt heavy loads of snow
- Inspect to ensure that exterior grading, especially gutters and downspouts, move water away from the foundation

ENERGY EFFICIENCY

There are many ways you can help mitigate the effects of climate change and flooding at home.

- Make the switch to green energy and encourage your community to do the same
- Get a virtual or in-person home energy audit from your energy provider
- Make the switch to energy efficient appliances and unplug tools, devices, chargers, and power strips when not in use
- Use energy efficient LED light bulbs and turn off lights when not in use
- Explore state programs for solar, window efficiency, and other energy resources
- Plant native trees, shrubs, and grasses to increase shade, increase water retention to reduce flooding, and lower air temperature in your yard