

PATH TO RESILIENCE DOVER, NH

Projects and actions to increase resilience to climate change in Dover, New Hampshire over the last decade

Amendments to the [Floodplain Ordinance](#) require electrical, heating, ventilation, plumbing and air-conditioning equipment and other service facilities to be elevated 2 feet above base flood elevation

City assesses the potential for renewable energy sources on municipal buildings

[Dover C-RiSe Vulnerability Assessment](#) identifies vulnerable infrastructure, conservation land, natural resources, assets, and parcels and recommends adaptation strategies

City participates in the [Energize 360 Campaign](#), a grassroots effort aimed at reducing energy use and transitioning to renewable energy

Revisions to Zoning Ordinance to encourage installation of solar in the Central Business District are adopted

The [Dover Greenhouse gas and nitrogen inventory: Report for municipal and school operations](#) is completed

The [NH Coastal Flood Risk Summary, Part I: Science \(video\)](#) sea level rise resource becomes available

The Nature Conservancy develops [Connect the Coast, which identifies wildlife corridors in Dover](#)

The [Rising Waters Mural](#) is installed to increase awareness of climate change

The [Open Lands Committee](#) incorporates climate change into conservation land prioritization

[Tidal Crossing Assessment Data sheets](#) are created by the NH Department of Environmental Services

The [Capital Improvements Program \(CIP\)](#) requires that resiliency be incorporated into all proposed projects

The Complete Streets Policy is revised to include the latest design standards; higher emphasis on green infrastructure, landscaping techniques, and stormwater management; and performance tracking

[Dover's Urban Street Tree Plan](#) is developed with the assistance of volunteers who assisted with the inventory and [data collection](#)

The City makes amendments to the [Floodplain Ordinance](#) to clarify terms, substantial improvement, the role of the Zoning Administrator, and standards for specific uses

The City creates and hires a new position, Resilience Coordinator, to lead resiliency efforts City-wide

Amendments are made to the [Electric Vehicle \(EV\) Charging Regulations](#) of the Site Plan Review Regulations

The Dover Energy Commission Report is prepared

Several [community gardens](#) have been established

Flood level impacts are incorporated into the Community Trail improvements between Fourth Street and Beckwith Park

The Wetland Protection District undergoes a review to consider incorporating a wetland functions and values assessment into permit review process

The [Community Facilities and Utilities Master Plan Chapter](#) is underway and has a resiliency focus

The City and property owners explore nature-based marsh edge stabilization off Spur Road

2014

2015

2016

2017

2018

2019

2020

ongoing
efforts

2021

next steps

Dover participates in the [Preparing for Climate Change Program](#), which was a catalyst project that engaged residents and the former mayor

[New England Climate Adaptation Project](#) develops a summary risk assessment on climate-change driven changes in Dover and adaptation strategies

A green infrastructure component for municipal roadway reconstruction is included in the Complete Streets Policy

Sea level rise scenarios are incorporated into the site design (grading) of the [waterfront development project](#)

The [Site Review Regulations](#) are revised to strengthen stormwater management to accommodate greater precipitation

Dover participates in the [NH Coastal Risk and Hazards Commission](#), one of a number of regional efforts the City engages in on the topic of resiliency

Maps of water resources areas are made available through The Nature Conservancy's supplement to the Land Conservation Plan for Coastal New Hampshire

The [Stewardship of Resources Master Plan Chapter](#) is developed and includes natural hazards and coastal management

[Solar is installed at the High School and Children's Museum and adjacent indoor pool](#)

Dover's [Climate Adaptation Master Plan Chapter](#) is drafted and awarded plan of the year by the New Hampshire Planners Association

The City includes new information about coastal flooding and sea level rise in the [Dover Multi-Hazard Mitigation Plan Update](#).

Landscape regulations to support stormwater management are developed ([Site Review Regulations Article IV Section 153.14](#))

City Council passes a [resolution that eliminates the use of synthetic fertilizers on City-owned fields](#)

The Site Review Regulations are amended to incorporate climate and green infrastructure

A new resource, the [NH Coastal Flood Risk Summary, Part 2: Guidance \(video\)](#), is developed by the NH Coastal Program for use by municipalities

Dover partners with surrounding communities to assist with [opening a regional warming shelter](#)

[Ad Hoc Committee for Racial Equity and Inclusion](#) is established

Since 2009, Dover has participated in the [NH Coastal Adaptation Workgroup](#)

The City and Open Lands Committee have preserved over 855 acres since 2000

Dover has collaborated with developers, engineers, and designers on the Cocheco Waterfront Development Project since 2004

Dover's new Resilience Coordinator is compiling a **Resilience Master Plan Chapter** that will lay out an **implementation plan** for the City's resiliency initiatives, including many recommendations identified in past assessments and planning efforts.

The Resilience Coordinator is also engaged in:

- Developing on-site renewables for municipal facilities.
- Exploring virtual net metering opportunities to support local renewable energy and fund City efficiency projects.
- Ensuring life-cycle costs and environmental impacts are considered during purchasing, bid and budget decisions.
- Increasing the electrification of the municipal fleet and electric vehicle supply equipment and publicly available charging stations.

In spring 2022, Dover staff will participate in a [NH Coastal Flood Risk Summary, Part II: Guidance](#) training workshop to identify ways to incorporate resilience measures into future CIP projects.

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