

PATHWAYS TO NET ZERO

A CLIMATE ACTION PLAN FOR CAPE COD & THE ISLANDS

THE CAPE COD CLIMATE CHANGE COLLABORATIVE



4 NET ZERO GOALS

Goal 1: Achieve a 50% fossil fuel reduction on the Cape and Islands by 2030.

Goal 2: Achieve 100% use of renewable electricity by 2050.

Goal 3: Preserve and protect the natural carbon balance on the Cape and Islands and enhance carbon storage by natural processes.

Goal 4: Educate Cape & Islands residents about climate change, the Net Zero Goals, and actions for meeting those goals.

5 PATHWAYS TO REACH NET ZERO

1. Increase use of renewable energy sources, energy efficiency and energy conservation.
2. Mobilize a revolution in all modes of transportation.
3. Transform our built environment to make it more energy efficient, affordable and resilient.
4. Educate, engage and motivate our communities to action.
5. Preserve and enhance the natural carbon storage capacity of our local resources.

Pathway 1: Increase renewable energy, energy efficiency and energy conservation.

- ✓ Expand C&I renewable energy production and usage.
- ✓ Support development of energy storage capability/battery technology.
- ✓ Support Cape Light Compact's efforts to provide up-front incentives for battery storage for participating customers.
- ✓ Support expansion of EV charging network.
- ✓ Promote Towns and municipal organizations participation and implementation in energy efficiency programs.

Pathway 1: Increase renewable energy, energy efficiency and energy conservation.

- ✓ Lead by example, Climate Collaborative to implement energy efficiency measures.
- ✓ Develop / support programs to increase energy efficiencies in all Cape & Island Town operations.
- ✓ Support community empowerment legislation.
- ✓ Support expansion of Cape and Vineyard Electric Cooperative (CVEC) mandate to include residential and commercial properties.
- ✓ Support legislation and increased funding to incentivize non-carbon based transitional technologies.

Pathway 1: Increase renewable energy, energy efficiency and energy conservation.

- ✓ Support amendment of offshore wind procurement to account for wildlife impacts.
- ✓ Support deployment of customer-facing electric grid modernization technologies.
- ✓ Support responsible siting of offshore wind/wind transmission facilities.
- ✓ Plan for the responsible disposal/recycling of energy-related waste.

Pathway 2: Mobilize a revolution in all modes of transportation.

- ✓ Support, promote and advocate for expansion of the EV charging network on the Cape & Islands.
- ✓ Develop and support existing initiatives and efforts to increase efficient public transportation systems on the Cape & Islands.
- ✓ Advocate for and promote implementation of "Complete Streets" in Town Capital Improvement Programs.
- ✓ Support multi-modal transition to carbon neutral transit systems.
- ✓ Support development of battery storage technology to accompany advances in EV charging development.
- ✓ Promote installation of solar car ports, and community solar in all Towns.

Pathway 3: Make our built environment more energy efficient, affordable and resilient.

- ✓ Support, promote and advocate for expansion of energy efficient affordable housing throughout the region.
- ✓ Support and advocate for State and local adoption of the strongest possible building codes/energy codes available (aim for passive house).
- ✓ Support and promote strengthened and equitable enforcement of building codes.
- ✓ Engage regional architects, builders, contractors, realtors and others associated with the Built Environment to commit to goals reaching Net Zero.
- ✓ Support a moratorium on new single-family dwelling units.
- ✓ Support a moratorium on new gas hookups.
- ✓ Partner with and support Cape Cod Commission's focus on regional plan amendments to increase efficiency / strategic electrification.
- ✓ Support climate-focused education efforts across the region.

Pathway 4: Educate, engage and motivate our communities to action.

- ✓ Develop communications strategy for outreach on curricular and community education projects.
- ✓ Develop educational materials in a database that can use easily accessed and used to promote climate literacy and educate students, communities and decision-makers.
- ✓ Engage Cape & Islands educators in integrating climate change issues into existing curriculum.
- ✓ Engage youth in climate action across our region.
- ✓ Engage Climate Change Collaborative member organizations in the effort to engage and educate local communities.
- ✓ Develop and Implement Community Climate Change Engagement Program.
- ✓ Develop partnership with EduCCate and UNITAR to bring the Climate Change Certified Teacher program to Cape & Islands teachers.

Pathway 5: Preserve and enhance the natural carbon storage capacity of our local resources.

- ✓ Develop and promote a model bylaw requiring consideration of climate change mitigation and impacts for all land use decisions by Town bodies.
- ✓ Develop an estimate of the natural carbon storage capacity on Cape Cod.
- ✓ Support, promote and advocate for protection, preservation and restoration of natural ecosystems, with emphasis on salt marshes and existing forests.
- ✓ Develop and adopt a Policy Statement for CCCCC regarding land clearing for solar array construction.
- ✓ Coordinate regional efforts among land conservation organizations in relation to climate change goals and partner with towns in those goals.
- ✓ Address tensions between affordable housing advocates and resource protections.