



# Resilient Community Resources



## Planning Resources

Resource/Tool	Description	Source(s)
<b>Building Energy Codes</b> <a href="https://de.gov/energycodes">de.gov/energycodes</a>	Information and resources for Delaware's building energy codes.	DNREC
<b>Building Science Videos</b> <a href="https://fema.gov/emergency-managers/risk-management/building-science/videos#instructional">fema.gov/emergency-managers/risk-management/building-science/videos#instructional</a>	Instructional videos and trainings on building codes and creating sturdy, sustainable, and resilient structures.	FEMA
<b>Climate Adaptation Knowledge Exchange</b> <a href="https://cakex.org">cakex.org</a>	A knowledge sharing platform that houses a digital library of climate change adaptation case studies, tools and resources.	EcoAdapt
<b>Climate Central Surging Seas Portal</b> <a href="https://sealevel.climatecentral.org/ssrf/delaware">sealevel.climatecentral.org/ssrf/delaware</a>	Provides information about current and projected sea level rise and coastal flood risks at local, state and global levels. Includes maps, tools, datasets and visual presentations.	Climate Central
<b>Coastal &amp; Waterfront Smartgrowth</b> <a href="https://coastalsmartgrowth.noaa.gov/resilience/">https://coastalsmartgrowth.noaa.gov/resilience/</a>	Resources for hazard mitigation assessment, planning, tools, and methods for creating resilient coastal communities.	NOAA
<b>Coastal Construction Manual</b> <a href="https://fema.gov/media-library/assets/documents/3293">fema.gov/media-library/assets/documents/3293</a>	A guide for the principles and practices of planning, siting, designing, constructing and maintaining residential buildings in coastal areas.	FEMA
<b>Delaware Climate Action Plan</b> <a href="https://de.gov/climateplan">de.gov/climateplan</a>	Details about Delaware's Climate Action Plan, including information and resources on climate change basics, data, tools, climate impacts, and actions you can take.	DNREC
<b>Delaware Climate Information Center</b> <a href="https://declimateinfo.org">declimateinfo.org</a>	Provides information for assessing impacts and preparing for climate change in Delaware. This site is geared toward citizens, business owners, government officials and scientists.	University of Delaware
<b>DE - PLANS</b> <a href="https://de-plans-udel.hub.arcgis.com">de-plans-udel.hub.arcgis.com</a>	Combines Delaware-specific information with US Census information and other tools and resources, to assist in and guide planning for the needs of older adults. Geared toward aging in place and emergency preparedness.	DE Sea Grant

## Planning Resources

Resource/Tool	Description	Source(s)
<b>FEMA Flood Guidance</b> <a href="https://www.floodsmart.gov">floodsmart.gov</a>	Information on the National Flood Insurance Program (buying/renewing policies), flood risks and costs, what to do before and after flood events occur, and flood zone descriptions and maps.	FEMA / National Flood Insurance Program
<b>I-ADAPT</b> <a href="https://de.gov/iadapt">de.gov/iadapt</a>	A web application that uses physical property characteristics and personal preferences to recommend flood adaptation strategies.	DNREC
<b>Know Your Zone</b> <a href="https://preparedede.org/know-your-zone">preparedede.org/know-your-zone</a>	Use this interactive tool to identify your evacuation zone before an emergency occurs.	DEMA
<b>Recommendations for Adapting to Sea Level Rise in Delaware</b> <a href="https://de.gov/slradaptplan">de.gov/slradaptplan</a>	Information and resources on impacts of sea level rise in Delaware and guides to preparing for future high tides.	DNREC
<b>Understanding Climate Change</b> <a href="https://de.gov/climatechange">de.gov/climatechange</a>	Provides a comprehensive report about future climate conditions and impacts, and access to tools like the Delaware Climate Projections Portal.	DNREC

## Data and Mapping Tools

Resource/Tool	Description	Source
<b>Climate Resilience Evaluation and Awareness Tool</b> <a href="https://epa.gov/crwu/climate-resilience-evaluation-and-awareness-tool">epa.gov/crwu/climate-resilience-evaluation-and-awareness-tool</a>	A tool that assists water sector utilities in assessing climate-related risks to utility assets and operations.	EPA
<b>Delaware Climate Projections Portal</b> <a href="https://climate.udel.edu/declimateprojections">climate.udel.edu/declimateprojections</a>	Provides data and general information to show the range of potential vulnerabilities that Delaware may face from the impacts of climate change.	UD Center for Environmental Monitoring & Analysis (CEMA)
<b>Delaware Coastal Dashboard</b> <a href="https://cema.udel.edu/applications/dashboard">cema.udel.edu/applications/dashboard</a>	Combines weather and environmental management applications into a portal to provide information for users to prepare for impending storms and plan for future storm events.	UD Center for Environmental Monitoring & Analysis (CEMA)

## Data and Mapping Tools

Resource/Tool	Description	Source
<b>Delaware Coastal Flood Monitoring System</b> <a href="http://coastal-flood.udel.edu">coastal-flood.udel.edu</a>	Provides forecast information on the extent, timing and severity of upcoming coastal flood conditions.	UD Center for Environmental Monitoring & Analysis (CEMA)
<b>Delaware Environmental Observing System (DEOS)</b> <a href="http://deos.udel.edu">deos.udel.edu</a>	Provides real-time environmental conditions for Delaware and the surrounding region using over 200 environmental monitoring platforms throughout the region. Includes forecast modeling, emergency planning, crop water requirements, irrigation management, water quality, snow monitoring, weather hazards, and more.	UD Center for Environmental Monitoring & Analysis (CEMA)
<b>Flood Planning Tool</b> <a href="http://de.gov/floodplanning">de.gov/floodplanning</a>	Interactive map for researching flood risk for Delaware properties.	DNREC
<b>Sea Level Rise Viewer</b> <a href="http://coast.noaa.gov/slr">coast.noaa.gov/slr</a>	The data and maps in this tool illustrate the scale of potential flooding (not exact location) to be used as a screening-level tool for management decisions. It includes, sea level rise, high tide flooding, local scenarios and vulnerability, and marsh migration.	NOAA
<b>Tides &amp; Currents - Annual and Monthly Outlooks</b> <a href="http://tidesandcurrents.noaa.gov/high-tide-flooding/">tidesandcurrents.noaa.gov/high-tide-flooding/</a>	Annual and monthly high tide flooding outlooks to help plan for and mitigate impacts.	NOAA
<b>University of Delaware Center for Environmental Monitoring and Analysis (CEMA)</b> <a href="http://cema.udel.edu/applications">cema.udel.edu/applications</a>	CEMA brings together the office of the DE State Climatologist, the DE Environmental Observing System (DEOS), the DE Environmental Monitoring and Analysis Center, and the UD Satellite Receiving Station. The website hosts environmental monitoring applications like the DE Irrigation Management System, Water Quality Portal, DE Coastal Flood Monitoring System, DE Weather Hazard Index, Snow Monitoring and DE Coastal Dashboard.	University of Delaware
<b>US Climate Resilience Toolkit</b> <a href="http://toolkit.climate.gov">toolkit.climate.gov</a>	Search by place name or zip code to get climate and coastal flood projections. Provides steps to resilience to explore hazards, assess risk, investigate options, and develop plans.	NOAA Climate Program Office

# Funding Resources

Resource/Tool	Description	Source
<b>Clean Water Infrastructure Grants</b> <a href="https://dnrec.delaware.gov/environmental-finance">dnrec.delaware.gov/environmental-finance</a>	The DNREC Environmental Finance Office administers the Delaware Water Pollution Control Revolving Fund (also known as the Clean Water State Revolving Fund), making funding available to municipalities, private organizations, nonprofit organizations and private individuals.	DNREC
<b>Delaware Clean Vehicle Rebate Program</b> <a href="https://de.gov/cleancars">de.gov/cleancars</a>	Provides incentives for Delawareans and Delaware businesses to buy or lease new battery electric or plug-in hybrid vehicles, and for residents to purchase used battery electric or plug-in hybrid vehicles.	DNREC
<b>Electric Vehicle Charging Equipment Rebates</b> <a href="https://dnrec.delaware.gov/climate-coastal-energy/clean-transportation/ev-charging-equipment-rebates">dnrec.delaware.gov/climate-coastal-energy/clean-transportation/ev-charging-equipment-rebates</a>	Provides rebates to reduce the cost of installing electric vehicle charging stations in multi-family dwellings, workplaces, outside businesses, and in other public places.	DNREC
<b>Energy Efficiency Investment Fund</b> <a href="https://de.gov/eEIF">de.gov/eEIF</a>	Provides rebates to support non-residential facilities in replacing aging and inefficient equipment and systems with energy efficient alternatives.	DNREC
<b>Grant Assistance Program</b> <a href="https://bidenschool.udel.edu/ipa/serving-delaware/grant-assistance">bidenschool.udel.edu/ipa/serving-delaware/grant-assistance</a>	Provides free technical grant assistance to local governments for infrastructure initiatives and other competitive and formula grant opportunities.	University of Delaware Institute for Public Administration
<b>Green Energy Program</b> <a href="https://de.gov/greenenergy">de.gov/greenenergy</a>	Provides rebates to offset the cost of installed renewable energy technology (i.e. solar, geothermal, solar water heating and wind). <i>*These grants are only open to Delmarva Power customers.</i>	DNREC
<b>Weatherization Assistance Program</b> <a href="https://de.gov/weatherization">de.gov/weatherization</a>	The program, run through the Division of Climate, Coastal and Energy, helps homeowners and renters cut their energy bills by weatherproofing and improving the energy efficiency of their homes.	DNREC

## Additional Resources

Resource/Tool	Description	Source
<p><b>Delaware Clean Cities Coalition</b>  <a href="https://dnrec.delaware.gov/climate-coastal-energy/clean-transportation/delaware-clean-cities-coalition">dnrec.delaware.gov/climate-coastal-energy/clean-transportation/delaware-clean-cities-coalition</a></p>	<p>The Delaware Clean Cities Coalition, made up of over 40 stakeholders, provides tools and resources to help Delaware residents, businesses, and fleet operators work together to reduce the use of petroleum, develop regional economic opportunities, and improve air quality.</p>	<p>DNREC  <i>(Sponsored by the U.S. Dept. of Energy's Vehicle Technologies Program)</i></p>
<p><b>Delaware Climate and Sustainability Initiatives and DE Climate Action Plan</b>  <a href="https://dnrec.delaware.gov/climate-coastal-energy/climate-and-sustainability">dnrec.delaware.gov/climate-coastal-energy/climate-and-sustainability</a></p>	<p>Information, technical assistance, financial incentives, policy development, pilot projects and education initiatives provided by DNREC's Climate and Sustainability Section.</p>	<p>DNREC</p>
<p><b>Delaware Sea Grant</b>  <a href="https://deseagrant.org">deseagrant.org</a></p>	<p>DESG helps Delaware communities wisely use, manage, and conserve our state's valuable coastal resources by fostering sustainable coastal economies, developing resilience to coastal hazards, and preparing the next generation of coastal leaders.</p>	<p>Delaware Sea Grant</p>
<p><b>Delaware State Energy Office, Renewable Resources and Incentive Programs</b>  <a href="https://dnrec.delaware.gov/climate-coastal-energy/energy-office">dnrec.delaware.gov/climate-coastal-energy/energy-office</a></p>	<p>The State Energy Office provides guidance on adopting and implementing smart energy choices through energy conservation and efficiency measures.</p>	<p>DNREC</p>
<p><b>DNERR Coastal Training Program</b>  <a href="https://de.gov/dectp">de.gov/dectp</a></p>	<p>The DE National Estuarine Research Reserve's <i>Coastal Training Program</i> provides professional development opportunities (trainings, workshops, demonstrations, etc.) and technical assistance for coastal decision makers, community leaders, scientists, and the general public.</p>	<p>DNREC</p>
<p><b>Energize Delaware</b>  <a href="https://energizedelaware.org">energizedelaware.org</a></p>	<p>Offers renewable and energy-efficiency programs to help Delawareans.</p>	<p>Delaware Sustainable Energy Utility</p>

## Additional Resources

Resource/Tool	Description	Source
<b>National Flood Insurance Program Resources for Delaware Communities</b> <a href="https://dnrec.delaware.gov/watershed-stewardship/waterways/floodplains/communities">dnrec.delaware.gov/watershed-stewardship/waterways/floodplains/communities</a>	The DNREC Floodplain Management Program assists local communities participating in the National Flood Insurance Program (NFIP) by providing guidance for the development, maintenance and administration of floodplain ordinances	DNREC
<b>Resilient and Sustainable Communities League (RASCL)</b> <a href="https://derascl.org">derascl.org</a>	A collaborative network of state, non-profit and academic partners working to provide resources and information to create a more resilient and sustainable Delaware.	RASCL
<b>Resilient Community Partnership</b> <a href="https://dnrec.delaware.gov/coastal-programs/planning-training/resilient-communities">dnrec.delaware.gov/coastal-programs/planning-training/resilient-communities</a>	Provides technical assistance and potential funding to plan for and reduce the impacts of coastal hazards for communities through the development of planning strategies.	DNREC
<b>Tree for Every Delawarean Initiative (TEDI)</b> <a href="https://de.gov/tedi">de.gov/tedi</a>	The Tree for Every Delawarean Initiative (TEDI) is part of Delaware's plan to respond to climate change, with a goal of planting at least one tree for every Delawarean. Check out the website for funding opportunities, tree giveaways and helpful planting tips.	DNREC

### Notes: