

DELAWARE'S

Climate Action Plan

Delaware Climate Resilience Actions Summary 2013-2020



*This report was prepared by the
Delaware Department of Natural Resources and Environmental Control*

OVERVIEW

As part of the Climate Action Plan development process, DNREC staff reviewed the status of climate change resilience actions that state agencies had previously identified for carrying out. These actions were outlined in the [2013 Sea Level Rise Recommendations Report](https://de.gov/sealevelrise) (de.gov/sealevelrise) and the [2014 Climate Framework for Delaware](https://de.gov/climateframework) (de.gov/climateframework). This document provides the latest known update on progress made on each these actions. A previous update on actions was published in the [Climate Action in Delaware: 2016 Progress Report](https://de.gov/climateframework) (de.gov/climateframework).

To determine progress made, DNREC carried out interviews with staff from 10 state agencies between April and July 2020 (see agency list below).

Agencies Interviewed

- Delaware State Housing Authority (DSHA)
- Department of Agriculture (DDA)
- Department of Education (DOE)
- Department of Health and Social Services (DHSS)
- Department of Insurance (DOI)
- Department of Natural Resources and Environmental Control (DNREC)
- Department of Safety and Homeland Security (DSHS)
- Department of State (DOS)
- Department of Transportation (DeIDOT)
- Office of Management and Budget (OMB)

Each of these agencies participated in the development of either the sea level rise recommendations or the Climate Framework (or both).

As the interviews did not involve all staff from each of the agencies, some action updates may have been missed. Additionally, due to extenuating circumstances in the spring and summer of 2020, DHSS staff were not available to provide updates on actions for their agency.

Each action in this document is marked as “complete,” “on-going” or “not begun.” Because some actions are inherently continuous, an “on-going” designation can either mean the action is in progress or being actively implemented, depending on the nature of the action. When possible, a written progress summary was also provided for each action.

DOCUMENTS

A summary of the 2013 and 2014 reports are noted below.

2013 Sea Level Rise Recommendations

This document was developed by Delaware's Sea Level Rise Advisory Committee and DNREC. It aimed to assist government agencies, businesses and individuals in making well informed decisions about preparing for and responding to sea level rise. The report includes a set of recommendations for building the state's ability to adapt to sea level rise. The document also contains background information about adaptation measures that can be taken to decrease Delaware's vulnerability to sea level rise and provides a set of guiding principles for consideration by those choosing adaptation measures.

2014 Climate Framework for Delaware

On September 12, 2013, Delaware Governor Jack Markell signed Executive Order 41: Preparing Delaware for Emerging Climate Impacts and Seizing Economic Opportunities from Reducing Emissions. Executive Order 41 directed state agencies to address both the causes and consequences of climate change by developing actionable recommendations to reduce greenhouse gas emissions that contribute to climate change, increase resilience to climate impacts, and avoid and minimize flood risks due to sea level rise. The executive order also called for the creation of a Cabinet Committee on Climate and Resiliency to oversee the development and implementation of recommendations under the order. The committee, consisting of the secretaries and directors of 11 state agencies and departments, published their recommendations in the Climate Framework for Delaware.

2013 Sea Level Rise Adaptation Recommendations - Status Update 2020

Objective 1: Improve Communication and Coordination among State, Federal, Local and Regional Partners to Streamline Sea Level Rise Adaptation Efforts.

Recommendations	Completed	On-going	Not Begun	Progress Summary
1.1 Improve coordination of permit decisions for adaptation projects among federal, state and local officials.		X		State agency staff participate in national, regional and local committees that work to strengthen permitting collaborations.
1.2 Create new partnerships to increase resources for research and development of adaptation options.		X		State agency staff are involved in multiple national and regional panels and committees where adaptation is discussed.
1.3 Increase opportunities for technology transfers and regional coordination for transportation issues affected by sea level rise.		X		State agency staff are involved in multiple national and regional panels and committees on this topic.
1.4 Incorporate sea level rise into public and private sector regional planning efforts.		X		Sea level rise considerations have been incorporated into Delaware's Preliminary Land Use Service (PLUS) process , WILMAPCO planning and numerous municipal plans. Sea level rise strategies have been incorporated into the Delaware Strategies for State Policies and Spending.
1.5 Provide sea level rise information to the Delaware Agricultural Land Preservation Program.			X	No direct data transfer has occurred.
1.6 Provide technical assistance to Delaware's Open Space Council for incorporating sea level rise into its criteria for acquisition of natural areas.	X			A land use criteria was added to the "Guidelines for to Evaluate Land Being Considered for Permanent Protection" that gave land additional points if it would allow for landward migration under SLR and zero points if it will be flooded by SLR in the future.
1.7 Conduct a comprehensive inventory of key funding, coordination, regulations and policies and analyze them for barriers and opportunities for sea level rise adaptation.		X		A searchable database of available funding for resilience projects was produced. A legal toolbox was created for sea level rise adaptation.

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Objective 2: Provide Increased Regulatory Flexibility for Adaptation and Improve Consistency among Regulatory Agency Decisions.				
Recommendations	Completed	On-going	Not Begun	Progress Summary
2.1 Provide regulatory incentives that encourage sea level rise adaptation and that allow for innovative projects.			X	
2.2 Encourage the governor to sign an executive order that would direct state agencies to plan for sea level rise.	X			Governor Markell Signed EO41 in 2014 directing state agencies to plan for climate change.
2.3 Conduct a comprehensive update to the state's regulatory tidal wetlands maps and provide a way to periodically update the maps to reflect changes occurring from sea level rise.		X		Completed project accessing accuracy and costs of three different methods to update maps.
2.4 Consider sea level rise implications in future regulatory updates for septic systems and wells.	-	-	-	Status is unknown.
2.5 Facilitate the connection of individual septic systems to community wastewater treatment systems with excess capacity when human safety and welfare are at risk.		X		Occurs as funding is available. Example: Slaughter Beach conducted an assessment of the feasibility of connecting to central sewer.
2.6 Consider sea level rise implications in future updates to the state Coastal Zone Act (CZA) regulations.		X		As of 2019, CZA Conversion permits are required to include a sea level rise and a coastal storm plan, but regular CZA permits still do not include it as a requirement.

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Objective 3: Provide Consistent and Predictable Policies for Future Growth, Investment, and Natural Resource Management.				
Recommendations	Completed	On-going	Not Begun	Progress Summary
3.1 Incorporate sea level rise considerations into the Strategies for State Policies and Spending.	X			Updated the plan in 2019 and in 2020 to incorporate sea level rise considerations, the plan was approved in summer 2020.
3.2 Consider incorporation of sea level rise considerations into municipal and county comprehensive development plans.		X		Encourage its inclusion in local comprehensive plans by providing the tools and resources they need to make good decisions. Grant funds were provided for communities to update their plans. Example: Little Creek received funding and updated their comprehensive plan to reflect sea level rise impacts.
3.3 Consider use of a Transfer of Development Rights tool to direct future growth away from vulnerable areas.		X		As of 2020 Kent County, New Castle County, and Milford have included it as an action in their land use ordinance.
3.4 Incorporate sea level rise into Delaware's Long Range Transportation Plan (LRTP).	X			Updated the LRTP in 2019 to include sea level rise, urban heat islands, increased flooding and mitigation of greenhouse gas emissions.
3.5 Incorporate sea level rise into the Transportation Operations Management Plan.	-	-	-	Status is unknown.
3.6 Encourage inclusion of sea level rise in Transportation Project Design Manuals.		X		As manuals are updated, language is added. Has been completed for Bridge Design Manual
3.7 Develop a dike safety program.		X		Ongoing conversations between DNREC and DeIDOT.

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Objective 3: Provide Consistent and Predictable Policies for Future Growth, Investment, and Natural Resource Management. (Continued)

Recommendations	Completed	On-going	Not Begun	Progress Summary
3.8 Develop a framework for decision-making regarding land protection and restoration strategies based on habitat vulnerability, migration potential and relative importance in the regional landscape, historical significance or other key factors.		X		This is a requirement for various environmental permits for infrastructure work.
3.9 Develop a comprehensive wetlands restoration, protection and retreat strategy in response to sea level rise.		X		Research has begun to support the creation of a plan.
3.10 Continue efforts to re-evaluate management strategies for existing coastal impoundments.		X		Began exploration and discussions on rebuilding and moving coastal impoundments into upland areas. Adjusted methods for repairing berms and dikes.
3.11 Evaluate the benefits and risks of permitting privately owned coastal impoundments.	-	-	-	Status is unknown.
3.12 Designate shoreline zones for adaptation action.			X	Preliminary research on adjusting the beach building set-back line occurred 2019.
3.13 Conduct a legal review for disinvestment of publicly owned infrastructure and privately owned buildings.			X	A legal toolbox on adaptation action was created and is available online. Completed work with the Georgetown Climate Center to look at state policies related to transportation divestment.
3.14 Develop a statewide retreat plan and update it periodically.			X	

2013 Sea Level Rise Adaptation Recommendations Status Update 2020

Objective 4: Increase Public Awareness of Sea Level Rise through Education, Outreach and Marketing.				
Recommendations	Completed	On-going	Not Begun	Progress Summary
4.1 Develop a comprehensive outreach strategy to educate all stakeholders about sea level rise.		X		No strategy has been created for use across all agencies, but individual programs and agencies created messaging and incorporate sea level rise into other messages as they are able.
4.2 Provide education and outreach for impacted communities and citizens.		X		No specific strategy has been created but state agencies have incorporated sea level rise into messaging as they are able. The Resilient and Sustainable Communities League provides coffee hours, webinars and an annual conference on sustainability and resilience.
4.3 Improve the ability of homebuyers to investigate a property's potential vulnerability to sea level prior to purchase.		X		Created the sea level rise and coastal inundation viewers that users can use to view potential sea level rise inundation.
4.4 Provide targeted outreach to water and wastewater operators and water utilities.			X	

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Objective 5: Improve the Availability & Robustness of Sea Level Rise Data Sets.				
Recommendations	Completed	On-going	Not Begun	Progress Summary
5.1 Improve monitoring of current sea level conditions and improve predictions for timing of inundation.		X		Additional monitoring equipment has been deployed across the state to collect water level data. Created the Delaware Coastal Flood Monitoring System, a web-based tool and alert system designed to provide emergency managers, planners, and others the information needed regarding upcoming coastal flood events.
5.2 Install additional water level and salinity observational stations in Delaware's tidal waters.		X		Additional monitoring equipment has been deployed across the state to collect water level data.
5.3 Improve the accuracy of Delaware's elevation benchmark network.	X			Completed updating benchmarks and published the report in 2015.
5.4 Continue and expand studies regarding sediment accretion rates and susceptibility of wetlands to sea level rise.		X		Multiple surface elevation tables have been installed across the state by a variety of programs.
5.5 Conduct research to better understand human response to sea level rise and adaptation.		X		Conducted a series of public perception surveys in 2009, 2014 and 2019 on climate change and sea level rise. University of Delaware conducted perception surveys with residents of the Southbridge community.
5.6 Develop sea level models that incorporate storm surge impacts.		X		Produced the Flood Risk Adaptation Map that maps the combined effects of storm surge and sea level rise.
5.7 Conduct a risk assessment for Delaware's system of dikes & levees.	X			

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Objective 5: Improve the Availability & Robustness of Sea Level Rise Data Sets. (continued)				
Recommendations	Completed	On-going	Not Begun	Progress Summary
5.8 Encourage federal agencies to integrate sea level rise planning into their flood models.		X		State agency staff participate in regional and national programs to improve national products for local use. Example: US Climate Alliance
5.9 Model potential stormwater inundation problems in highly vulnerable areas.		X		
5.10 Develop a model that will predict changes to salinity in surface water that may occur under differing sea level rise scenarios		X		Developed a theoretical model, but a statewide model has yet to be created.
5.11 Develop a statewide groundwater model.		X		Developed a theoretical model, but a statewide model has yet to be created.
5.12 Develop and maintain a comprehensive database that contains the location and condition of all wastewater infrastructures.			X	The City of Wilmington received funding to model the combination of stormwater and sea level rise in the most flood prone areas in the city.
5.13 Identify and preserve areas for potential wetland migration.		X		A research project to map wetland migration paths on state-owned properties was completed in 2016, however no comprehensive study has been done yet on all wetlands in the state.
5.14 Identify the data necessary to plan transportation investments.		X		DeIDOT is working on coordinating and migrating all Department data into one database to make it more readily retrievable and reviewable. Completed infrastructure assessments on state Route 1 and Route 9.
5.15 Increase understanding of the regional implications of loss of industrial areas in coastal Delaware.			X	

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Objective 5: Improve the Availability & Robustness of Sea Level Rise Data Sets. (continued)				
Recommendations	Completed	On-going	Not Begun	Progress Summary
5.16 Improve understanding of impacts to adjacent properties from adaptation actions.		X		Trainings have been offered for decision makers and property owners who participate in state level conservation programs are encouraged to review and consider the impacts.
5.17 Encourage the development of a research and policy center at a university or college campus that would focus on applied research for sea level rise and adaptation.		X		The University of Delaware has multiple research centers focused on climate and sustainability. In 2013 and 2018 Delaware's colleges and universities received EPSCOR grants to complete work climate resiliency research.
5.18 Foster pilot projects that demonstrate the effectiveness of best management practices for management of agricultural lands affected by sea level rise.		X		A variety of projects have been undertaken in coordination with the University of Delaware.

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Objective 6: Provide Technical Assistance to Partners for Assessing Vulnerability and Choosing Adaptation Strategies.				
Recommendations	Completed	On-going	Not Begun	Progress Summary
6.1 Create a coordinated effort to provide technical assistance to local governments.		X		Created the Resilient and Sustainable Communities League.
6.2 Provide land managers, fisheries managers and farmers with the information and extension support necessary to manage lands and fisheries in areas affected by sea level rise.			X	No direct activity, but the Department of Agriculture (DDA) provides information on the topic when contacted by residents. DDA has a close working relationship with the University of Delaware extension offices.
6.3 Provide technical assistance for industrial and port facilities to incorporate sea level rise into investment plans and continuity of business plans.		X		Required for Coastal Zone Act Conversion Permit.
6.4 Develop best management practice manuals for adaptation in Delaware.		X		Many state agencies have produced manuals that cover a variety of adaptation options. Developed a guide for state agencies on avoiding and minimizing risk of flood damage to state assets.
6.5 Develop a database of costs of adaptation options for use by decision-makers and the public.		X		

Objective 7: Expand Funding Opportunities for Adaptation Planning and Implementation Projects.				
Recommendations	Completed	On-going	Not Begun	Progress Summary
7.1 Convene an expert panel to provide an assessment and analysis of funding options for adaptation measures.			X	

2014 Climate Framework Recommendations - Status Update 2020

Agency	Action	Topic Area	Completed	On-going	Not Begun	Progress Summary
DDA	Evaluate response to increased susceptibility to forest wildfires by evaluating policies related to risk management, fire prevention, and fire management.	Natural Resources		X		A variety of work has been done to prepare and train personnel to ensure quick responses to fire outbreaks and manage fires well.
DDA	Evaluate policies related to nutrient management, pesticide application, risk assessment, and cropping practices that may be affected by potential increases in the number of hot, dry days per year.	Natural Resources	X			University of Delaware updated the nutrient management recommendation rates for nitrogen, phosphorus, and potassium in 2017.
DDA	Educate landowners and agricultural operators to address and mitigate loss of land due to sea level rise.	Natural Resources		X		Opportunistic education but specific plan or campaign to educate landowners and farmers about sea level rise has been created.
DDA	Educate landowners and agricultural operators on the effects of saltwater intrusion resulting from sea level rise.	Natural Resources		X		On-going work with Delaware Cooperative Extension, may include new partnership opportunities with the US Department of Agriculture Climate Hub, a regional network for outreach and education
DelDOT	Continue development of geospatial data sets that can help identify vulnerable areas and help estimate the impact of reasonably anticipated events.	Resilient Communities & Economies		X		The vulnerability assessment and scenario base analyses are underway. Created and maintains a frequently flooded roadway maps. Completed data collection for a tool to conduct cost and impact assessments.
DelDOT	Conduct comprehensive assessment of state roadway risks and assets.	State Assets & Infrastructure		X		Received funding to support a comprehensive corridor evaluation of State Route 9. Other efforts ongoing and incorporated into the Transportation Asset Management Plan.

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Agency	Action	Topic Area	Completed	On-going	Not Begun	Progress Summary
DeIDOT	Integrate climate resiliency into project development, traffic, bridge, and highway design	State Assets & Infrastructure		X		Wording added to Bridge Design Manual that requires consideration of climate change and sea level rise when scoping a project. As other manuals are updated, climate change and sea level rise language is being included to consider options on a project-by-project basis.
DeIDOT	Build transportation enhancements (pathways, trails, roadscapes, etc.) to accommodate impacts of climate change	State Assets & Infrastructure		X		Received funding to develop approaches to increasing resilience on State Route 1. Strategic Implementation Plan for Climate Change, Resilience and Sustainability completed in 2016.
DeIDOT	Identify and assess existing chronic flooding and erosion problems caused by sea level rise, frequent storms, tidal forces, subsidence, and aging infrastructure	Resilient Communities & Economies		X		On-going review of infrastructure inventory, improving databases to monitor condition of roadways and bridges. Added flood monitoring capabilities for roadways for ten sites. The Weather and Flooding Strategic Plan has been completed and was approved.
DeIDOT	Reevaluate stormwater management approaches	State Assets & Infrastructure		X		Engaging with researchers on the cost of climate change.
DeIDOT	Incorporate climate impacts into cost-effective investment in infrastructure	State Assets & Infrastructure		X		Participated in the Climate Mitigation and Adaptation Planning Pilot Project.
DeIDOT	Evaluate obtaining insurance to assist in recovery from catastrophic events	State Assets & Infrastructure		X		Considering the development of a Transportation Risk Map and strategies for disaster risk. Interstate 95 and US 301 are insured.
DeIDOT	Evaluate and adjust worker safety guidelines	Public Health & Safety		X		Participated in the Climate-Ready Workforce Pilot Project.
DeIDOT	Provide training to improve worker knowledge	Public Health & Safety		X		Participated in the Climate-Ready Workforce Pilot Project. Provided Go Sun Smart at Work Training.

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Agency	Action	Topic Area	Completed	On-going	Not Begun	Progress Summary
DeIDOT	Evaluate driving restrictions for air quality events	Public Health & Safety		X		
DeIDOT	Develop revised maintenance schedules in response to air quality	Public Health & Safety		X		Participated in the Climate-Ready Workforce Pilot Project. Modify operations as able on ozone and air quality warning days.
DeIDOT	Adjust transit service in emergencies	State Assets & Infrastructure		X		The Delaware Transit Corporation Division adjusts service levels when required during weather events. Adjustments include reducing, modifying and/or suspending service depending on the severity and timing of the event. On-going and continual.
DeIDOT	Reevaluate emergency response protocols	Resilient Communities & Economies		X		Participated in the Climate-Ready Workforce Pilot Project. Provided awareness training to the Department's Strategic Leadership Team. Security projects at maintenance yards are underway. Staff work with emergency management groups continually.
DeIDOT	Support local governments with land use assessment tools	Resilient Communities & Economies		X		Received funding to improve the Traffic Impact Study process. Supported the development of a toolkit for community resilience produced by the University of Delaware. Completed Strategic Implementation Plan for Climate Change, Resilience and Sustainability.
DeIDOT	Evaluate low-emission vehicle deployment	State Assets & Infrastructure		X		Participating in Delaware Clean Cities. Piloted propane-fueled trucks in the fall of 2015. Purchased 2 electric vehicles for short distance trips. The Delaware Authority for Regional Transit (DART) currently owns and operates 14 electric buses and plans on adding another six electric buses over the next two years, bringing the total fleet to 20.

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Agency	Action	Topic Area	Completed	On-going	Not Begun	Progress Summary
DeIDOT	Evaluate alternative energy technology in facilities	State Assets & Infrastructure		X		Attempting to meet Leadership in Energy and Environmental Design (LEED) Silver Certification requirements for new facilities. Utilizing waste oil heaters in some locations. Being evaluated for applicable locations and technology usage.
DeIDOT	Evaluate materials used to reduce the impacts of stormwater runoff	State Assets & Infrastructure		X		Using materials such as permeable pavements for specific conditions to minimize stormwater runoff.
DeIDOT	Explore new pavement technology	State Assets & Infrastructure			X	No progress to date. Information on impacts to traffic and revenues needed.
DHSS	Develop health impact assessment tools [Public Health]	Public Health & Safety		X		Received funding to develop the Environmental Public Health tracking network, which became the "my healthy communities" dashboard web portal which provides data and info on environmental and other impacts.
DHSS	Establish communication link to the Division of Developmental Disability clients who live on their own	Public Health & Safety	X			Established a Facebook page for the Disaster Coordinator to share information, resources, and current emergency/disaster information. Due to the 2020 Delaware Public Health State of Emergency further updates were not available from DHSS.
DHSS	Advocate for an expansion of vector surveillance programs [Public Health]	Public Health & Safety		X		Collaborating with DNREC's mosquito control branch. Due to the 2020 Delaware Public Health State of Emergency further updates were not available from DHSS.
DHSS	Monitor new and emerging diseases related to climate change [Public Health]	Public Health & Safety		X		Developed plans to respond to Ebola and Zika viral diseases. Due to the 2020 Delaware Public Health State of Emergency further updates were not available from DHSS.

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Agency	Action	Topic Area	Completed	On-going	Not Begun	Progress Summary
DHSS	Evaluate benefits and costs of developing environmental public health tracking system [Public Health]	Public Health & Safety		X		Received funding to initiate planning for Environmental Public Health Tracking System. Due to the 2020 Delaware Public Health State of Emergency further updates were not available from DHSS.
DHSS	Incorporate climate change impacts information in Division of Public Health outreach materials [Public Health]	Public Health & Safety		X		Information sheets are on the Division's website. Due to the 2020 Delaware Public Health State of Emergency further updates were not available from DHSS.
DHSS	Develop outreach materials on climate change and health [Public Health]	Public Health & Safety		X		Information sheets are on the Division's website. Due to the 2020 Delaware Public Health State of Emergency further updates were not available from DHSS.
DHSS	Provide training for Division of Public Health staff on climate change impacts and risks to health [Public Health]	Public Health & Safety		X		Participated in the Climate-Ready Workforce Pilot Project. Due to the 2020 Delaware Public Health State of Emergency further updates were not available from DHSS.
DHSS	Advocate for an expansion of air quality monitoring [Public Health]	Public Health & Safety		X		Continue to support efforts for cleaner air. Due to the 2020 Delaware Public Health State of Emergency further updates were not available from DHSS.
DHSS	Identify funding opportunities for climate change and public health [Public Health]	Public Health & Safety		X		Staff participated in a fellowship program to support the creation of an Environmental Public Health Tracking Network. Due to the 2020 Delaware Public Health State of Emergency further updates were not available from DHSS.
DHSS	Expand medicine refill window	Public Health & Safety		X		Current process allows for early refill requests prior to forecasted storm events. Due to the 2020 Delaware Public Health State of Emergency further updates were not available from DHSS.

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Agency	Action	Topic Area	Completed	On-going	Not Begun	Progress Summary
DHSS	Implement a statewide Smart-911 system	Public Health & Safety		X		Progress is on-going to transition county and municipal systems to access Smart-911. Due to the 2020 Delaware Public Health State of Emergency further updates were not available from DHSS.
DHSS	Remove potential hazards from low-lying areas prior to a major event	State Assets & Infrastructure	-	-	-	Status is unknown due to the 2020 Delaware Public Health State of Emergency further updates were not available from DHSS.
DHSS	Designate State Service Centers as critical facilities	State Assets & Infrastructure	-	-	-	Status is unknown due to the 2020 Delaware Public Health State of Emergency further updates were not available from DHSS.
DHSS	Provide training and education on climate preparedness and adaptation	Resilient Communities & Economies	-	-	-	Status is unknown due to the 2020 Delaware Public Health State of Emergency further updates were not available from DHSS.
DHSS	Evaluate feasibility of monitoring private coastal drinking water wells for salt water intrusion [Public Health]	Natural Resources	-	-	-	Status is unknown due to the 2020 Delaware Public Health State of Emergency further updates were not available from DHSS.
DHSS	Examine ways to track new and emerging diseases [Public Health]	Public Health & Safety	-	-	-	Status is unknown due to the 2020 Delaware Public Health State of Emergency further updates were not available from DHSS.
DHSS	Evaluate public health infrastructure and resources for data collection and analysis [Public Health]	State Assets & Infrastructure	-	-	-	Status is unknown due to the 2020 Delaware Public Health State of Emergency further updates were not available from DHSS.
DHSS	Evaluate Geographic Information System (GIS) mapping of vulnerable populations and disease patterns [Public Health]	Public Health & Safety	-	-	-	Status is unknown due to the 2020 Delaware Public Health State of Emergency further updates were not available from DHSS.

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Agency	Action	Topic Area	Completed	On-going	Not Begun	Progress Summary
DHSS	Evaluate integration of Division of Public Health data sources [Public Health]	Public Health & Safety	-	-	-	Status is unknown due to the 2020 Delaware Public Health State of Emergency further updates were not available from DHSS.
DHSS	Review and update Division of Public Health programs for climate change impacts [Public Health]	Public Health & Safety	-	-	-	Status is unknown due to the 2020 Delaware Public Health State of Emergency further updates were not available from DHSS.
DHSS	Advocate integrating climate change with local activities [Public Health]	Public Health & Safety	-	-	-	Status is unknown due to the 2020 Delaware Public Health State of Emergency further updates were not available from DHSS.
DHSS	Discuss feasibility of requiring contingency plans from managed care organizations	Public Health & Safety	-	-	-	Status is unknown due to the 2020 Delaware Public Health State of Emergency further updates were not available from DHSS.
DHSS	Advocate for additional resources for the Low-Income Home Energy Assistance Program (LIHEAP)	Resilient Communities & Economies	-	-	-	Status is unknown due to the 2020 Delaware Public Health State of Emergency further updates were not available from DHSS.
DHSS	Create a statewide climate resiliency educational campaign	Resilient Communities & Economies	-	-	-	Status is unknown due to the 2020 Delaware Public Health State of Emergency further updates were not available from DHSS.
DHSS	Consider creating mobile State Service Centers	Public Health & Safety	-	-	-	Status is unknown due to the 2020 Delaware Public Health State of Emergency further updates were not available from DHSS.
DHSS	Identify sites to be used as designated cooling and heating centers	Public Health & Safety	-	-	-	Status is unknown due to the 2020 Delaware Public Health State of Emergency further updates were not available from DHSS.
DNREC	Incorporate climate change into land stewardship decisions at the Delaware National Estuarine Research Reserve (DNERR) [Coastal Programs]	Natural Resources	X			Updated the Blackbird Creek Reserve Master Ecological Plan to include climate change considerations and created a stewardship working group at the Reserve.

2014 Climate Framework Recommendations Status Update 2020

Agency	Action	Topic Area	Completed	On-going	Not Begun	Progress Summary
DNREC	Increase climate change–focused research and monitoring on Delaware National Estuarine Research Reserve (DNERR) land [Coastal Programs]	Natural Resources		X		Received funding to install pollinator science gardens to help study phenology (plant life cycles). Started an aquatic animal trawl survey and a nest box monitoring survey. Accepted as a sentinel site through NOAA to monitor vegetation for impacts from sea level rise.
DNREC	Develop a climate change adaptation plan for the Delaware National Estuarine Research Reserve (DNERR) [Coastal Programs]	Natural Resources		X		Plan was developed. Recommendations still need to be undertaken.
DNREC	Incorporate Executive Order 41 in the Federal Consistency Program’s enforceable coastal management policies [Coastal Programs]	Natural Resources		X		Working on updating the listings of activities that should be reviewed for federal consistency. Next, will work on updating enforceable policies to incorporate preparation for impacts of climate change.
DNREC	Design and implement restoration activities to slow loss of coastal habitats [Fish and Wildlife]	Natural Resources		X		Completed the Mispillion Harbor restoration. Smaller projects are to be completed as funding and time allows.
DNREC	Discuss expansion of invasive species control [Fish and Wildlife]	Natural Resources		X		Teams are working to identify invasive species in the state as quickly as possible to slow and stop their spread.
DNREC	Prepare to manage different fish and wildlife species and habitat [Fish and Wildlife]	Natural Resources		X		Participate in the Atlantic Coast Joint Venture. Helped fund the creation and research related to the Saltmarsh Habitat and Avian Research Program. Enacted Cobia regulations in 2020.
DNREC	Evaluate strategies for increasing native pollinator habitat on public and private lands [Fish and Wildlife]	Natural Resources		X		Completed a pollinator project with DeIDOT in Middletown as part of the requirements for the 301 Bypass. Completed several hundred acres of early successional habitat restoration, with plant species of high pollinator value.

2014 Climate Framework Recommendations Status Update 2020

Agency	Action	Topic Area	Completed	On-going	Not Begun	Progress Summary
DNREC	Adapt coastal impoundments and ponds [Fish and Wildlife]	Natural Resources		X		Updated the water control structures and dikes on the Ted Harvey Wildlife Area and the Little Creek Wildlife Area. Currently working on updating the water control structures/dams of the many DNREC Fish and Wildlife owned ponds to handle higher water levels and severe storm events.
DNREC	Prepare for increased nuisance wildlife complaints [Fish and Wildlife]	Natural Resources		X		Monitoring and responding to calls as quickly as possible.
DNREC	Prepare for increased number of fish kills and harmful algal blooms [Fish and Wildlife]	Natural Resources		X		Continue to monitor in the inland bays and other waterways across the state.
DNREC	Evaluate need for revisions to technical specifications for vegetative practices [Watershed Stewardship]	Natural Resources	X			Technical standards and specifications were expanded in 2014. They were further refined, adjusted, and updated with adoption of the revised Delaware Sediment and Stormwater Regulations in February 2019.
DNREC	Evaluate changes to wetland and water quality monitoring [Watershed Stewardship]	Natural Resources		X		Completed a study to look at possible mechanisms for wetlands to respond to saltwater intrusion. Partnered with the Delaware Coastal Programs to complete a wetland migration mapping study. Continue to work with the Center for the Inland Bays to study vegetation dieback at 10 Inland Bay sites and monitor regrowth. Installed two coastal wetland monitoring sites, one on the Broadkill River and one on the Christina River.

2014 Climate Framework Recommendations Status Update 2020

Agency	Action	Topic Area	Completed	On-going	Not Begun	Progress Summary
DNREC	Discuss additional support for living shorelines to support shoreline management and protection [Watershed Stewardship]	Natural Resources		X		Participate on the Living Shoreline committee. Close to producing a document for site evaluation for living shoreline construction. Offered multiple technical workshops for professionals regarding living shoreline design and installation. Installed and continue to monitor multiple living shoreline demonstration sites.
DNREC	Plan for increasing demands for shoreline management and beach preservation [Watershed Stewardship]	Natural Resources		X		Convened a group of community leaders in 2019 to explain and the state of the financial streams, revenue streams, and project expenses related to projects. Completed the Delaware Bayshore Communities Economic Analysis of Options for Shoreline Management in 2014 to analyze the cost/benefit of different shoreline projects to both the general taxpayer and residents of the community.
DNREC	Evaluate needs for channel maintenance [Watershed Stewardship]	Natural Resources		X		Completed a baseline survey of dredged channels. Completed a prioritization study on channel needs in the Inland Bays in 2019. Created the Waterway Management Funds to provide a dedicated stream of funding for large scale dredging projects.
DNREC	Prepare to restore riparian buffers [Fish and Wildlife]	Natural Resources		X		No large scale projects in progress, but restoring areas as time and funding allow.
DNREC	Prepare to restore ecological integrity of unique ephemeral wetlands [Fish and Wildlife]	Natural Resources		X		No large scale projects in progress, but restoring areas as time and funding allow.
DNREC	Update mapping of tidal wetland jurisdictional boundaries [Water]	Natural Resources		X		Completed project accessing accuracy and costs of three different methods to update maps.

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Agency	Action	Topic Area	Completed	On-going	Not Begun	Progress Summary
DNREC	Evaluate voluntary and regulatory strategies to ensure that Delaware emission sources are well controlled [Air Quality]	Public Health & Safety		X		Currently modifying and updating the Vapor Recovery Equipment Regulations and Solvent Degreasing Regulations. Regional Greenhouse Gas Initiative Amendments were updated in 2018, and staff are currently working on the next round of adjustments. Joined the U.S. Climate Alliance in 2017.
DNREC	Prepare for expanded mosquito production season [Fish and Wildlife]	Public Health & Safety		X		Involved in testing novel approaches to mosquito control.
DNREC	Update and implement Debris Management Section of the State Emergency Operations Plan [Waste and Hazardous Substances]	Public Health & Safety		X		The plan was developed and finalized in 2016, however discussions continued in 2018 with the development of a draft that currently has not been moved to put into action.
DNREC	Build capacity to conduct climate change–focused air quality modeling [Air Quality]	Public Health & Safety			X	Funding needed to complete this action.
DNREC	Coordinate on the use of updated floodplain maps to assist with flood mitigation activities [Watershed Stewardship]	Resilient Communities & Economies	X			Updated floodplain maps for all three counties have been completed. The maps are available online for easy access and use.
DNREC	Provide technical assistance to Delaware communities for climate change adaptation projects [Coastal Programs]	Resilient Communities & Economies		X		Developed Resilient Community Partnership program working directly with local communities. Established Resilient and Sustainable Communities League. Developed Delaware Climate Information Center website (declimateinfo.org) to provide information on state climate projects, data, reports, tools and funding opportunities.
DNREC	Increase educational awareness of climate change in Delaware [Coastal Programs]	Resilient Communities & Economies		X		Staff completed a variety of trainings on climate change education and communication and have increased climate change related educational/training opportunities.

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Agency	Action	Topic Area	Completed	On-going	Not Begun	Progress Summary
DNREC	Aid local governments in planning for climate change [Energy and Climate]	Resilient Communities & Economies		X		Created, funds, staffs and supports the Resilient and Sustainable Communities League and runs the Resilient Community Partnership. Worked with UD and the city of Milford to pilot a method to incorporate climate change planning into the comprehensive development plan process.
DNREC	Improve energy reliability and response to emergency events [Energy and Climate]	Resilient Communities & Economies	X			The Energy Assurance Plan was updated in 2019.
DNREC	Educate staff and the public [Parks and Recreation]	Resilient Communities & Economies		X		Discussing and educating both full-time and seasonal staff on the impacts and risks of extreme heat. Participated in the Climate Ready Workforce Ready Project.
DNREC	Issue emergency waivers for repairs to infrastructure, environmental resources, and property resulting from storms and flooding events in regulated wetlands and subaqueous lands [Water]	Resilient Communities & Economies	X			Waiver procedures currently exist.
DNREC	Increase climate change–focused research and modeling [Air Quality]	Resilient Communities & Economies			X	Funding needed to complete this action.
DNREC	Study how to prioritize funding options to give preference to areas with effective practices for drainage and floodplain management [Watershed Stewardship]	Resilient Communities & Economies			X	Funding needed to complete this action.

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Agency	Action	Topic Area	Completed	On-going	Not Begun	Progress Summary
DNREC	Update floodplain maps with consideration of climate change dynamics [Watershed Stewardship]	Resilient Communities & Economies			X	Not allowable under FEMA guidelines. Maps could be created that communities could use to develop local ordinances.
DNREC	Develop model ordinance to secure home heating oil and propane tanks [Waste and Hazardous Substances]	State Assets & Infrastructure	X			Identified several authoritative sources for model ordinances.
DNREC	Ensure effective energy code compliance [Energy and Climate]	State Assets & Infrastructure		X		Home Energy Rating System training completed with local officials. Energy Codes Compliance Study will be pursued following the update of the State Energy Conservation Code regulations.
DNREC	Consider relocating Division of Fish and Wildlife facilities [Fish and Wildlife]	State Assets & Infrastructure		X		Moved the Aquatic Resource Education Center in 2017 to higher ground, opened officially in January 2018.
DNREC	Adapt building processes [Parks and Recreation]	State Assets & Infrastructure		X		Made the following updates to facilities: updated youth camps to have air conditioning, installed automatic fee collection stations, switched all facilities to energy efficient light bulbs, and installed solar panels at Fort Delaware.
DNREC	Evaluate need for improving spill containment requirements for aboveground storage tanks and hazardous waste storage areas [Waste and Hazardous Substances]	State Assets & Infrastructure	X			Completed large update to the underground storage tank regulations, issued in January 2020. Will be phasing out previous requirements by 2025.
DNREC	Assist suppliers of potable water (from surface water intakes) in developing strategies to protect water intakes from flooding and salt water [Water]	State Assets & Infrastructure		X		The Water Supply Coordinating Council is routinely tracking water use and threats to water shortages.

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Agency	Action	Topic Area	Completed	On-going	Not Begun	Progress Summary
DNREC	Assist suppliers and users of potable water (from wells) to develop strategies for protection of wells from flooding and salt water.	State Assets & Infrastructure		X		On-going consideration of long-term risk.
DNREC	Evaluate need for revisions to stormwater regulation [Watershed Stewardship]	State Assets & Infrastructure	X			New regulations were issued and went into effect in February 2019 which apply to new development and redevelopment projects.
DNREC	Evaluate need for revisions to technical standards and specifications for stormwater management [Watershed Stewardship]	State Assets & Infrastructure	X			Technical standards and specifications were expanded in 2014. They were further refined, adjusted, and updated with adoption of the revised Delaware Sediment and Stormwater Regulations in February 2019.
DNREC	Evaluate design specifications and maintenance practices for rain gardens and other small-scale stormwater systems [Watershed Stewardship]	State Assets & Infrastructure	X			Technical standards and specifications were expanded in 2014. They were further refined, adjusted, and updated with adoption of the revised Delaware Sediment and Stormwater Regulations in February 2019.
DNREC	Consider incorporating equipment siting requirements into air permitting process [Air Quality]	State Assets & Infrastructure			X	No action taken yet due to lack of regulatory authority to require siting considerations in permits.
DNREC	Develop model building code [Energy and Climate]	State Assets & Infrastructure	X			Updates made to State Energy Conservation Code regulations. New codes took effect in June 2020.

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Agency	Action	Topic Area	Completed	On-going	Not Begun	Progress Summary
DNREC	Develop plan for access [Parks and Recreation]	State Assets & Infrastructure		X		Incorporating access issues into the Asset Management Plans that identify assets in each park and identify any issues related to the asset. Incorporating access issues into Master Plans for each park.
DNREC	Assist local governments in developing strategies to protect wastewater treatment facilities from flooding [Water]	State Assets & Infrastructure			X	Funding and additional staff capacity needed to complete this action
DNREC	Evaluate the adequacy of drainage infrastructure [Watershed Stewardship]	State Assets & Infrastructure		X		As drainage projects and tax ditch projects are completed, project details stored and used for future assessments.
DOE	Improve guidelines for siting of school facilities	State Assets & Infrastructure	X			Updated the School Construction and Technical Assistance Manual in 2017 to include information about sea level rise in relation to building siting.
DOE	Promote the incorporation of cleaner school buses	State Assets & Infrastructure		X		48 school buses have been switched from diesel to propane, 47 school buses have been switched from diesel to clean diesel, and 1 school bus has been switched from diesel to electric.
DOE	Promote Leadership in Energy and Environmental Design (LEED) or Green Ribbon school designs	State Assets & Infrastructure		X		Working to reach LEED standards as school districts update existing buildings and complete new construction.
DOS	Evaluate and promote workplace options for employees	State Assets & Infrastructure	X			Staff have the option to utilize flexible or compressed schedules.

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DOS	Complete mapping of cultural resources into Geographic Information System (GIS)-based system [Historical and Cultural Affairs]	State Assets & Infrastructure	X			Completed a Mapping Cultural Resources GIS-Based System that is used to increase preparedness for climate change events.
Agency	Action	Topic Area	Completed	On-going	Not Begun	Progress Summary
DOS	Ensure preparedness for threatened sites [Historical and Cultural Affairs]	State Assets & Infrastructure	X			Each threatened site has a kit and supplies on hand in preparation for severe weather impacts. There is a response team that activates before an event to be prepared during and event if needed.
DOS	Assess financial impact of any new rates [Public Advocate]	Resilient Communities & Economies		X		Continually analyzing the financial impact for all newly established rates.
DOS	Review Commission options to help reduce greenhouse gases and mitigate climate change [Public Service Commission]	Resilient Communities & Economies		X		Reviewing options to address climate change mitigation within the organization and outside of the agency. Have formed recommendations.
DOS	Review potential for infrastructure enhancements that can help mitigate climate change exposure [Public Service Commission]	State Assets & Infrastructure		X		Utilities have made assessments of infrastructure enhancements and modifications in regards to reliability and storm response.
DOS	Evaluate alternate utility rate structures [Public Service Commission]	Resilient Communities & Economies		X		Researching alternative rate designs for electric utilities to equitably incorporate distributed energy resources.
DOS	Establish protocols to protect outdoor workers	Public Health & Safety		X		Reviewing current procedures in place and determining if any modifications are necessary.

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DOS	Conduct vulnerability assessments [Historical and Cultural Affairs]	Resilient Communities & Economies		X		Inspections completed on properties and sites on a consistent basis but have not done anything specifically related to climate change impacts and vulnerabilities.
Agency	Action	Topic Area	Completed	On-going	Not Begun	Progress Summary
DOS	Evaluate costs and benefits of creating historic preservation tax credit for adaptation and resiliency [Historical and Cultural Affairs]	State Assets & Infrastructure			X	Funding has been identified in order for DHCA to examine for implementation.
DOS	Publish cultural resource management plans [Historical and Cultural Affairs]	State Assets & Infrastructure			X	Activities have occurred that would be related to this but not initiated with the intention of connecting it to climate change.
DOS	Broaden utility review of climate change initiatives to include non-regulated entities [Public Service Commission]	State Assets & Infrastructure			X	The Energy Efficiency Advisory Council will only deliberate on plans brought forth by the regulated utilities.
DOS	Review utility tariff approaches to minimizing greenhouse gases [Public Service Commission]	Resilient Communities & Economies			X	Researching rate designs to equitably incorporate distributed energy resources for electric utilities.
DOS	Coordinate review of storm response procedures with all regulated utilities [Public Service Commission]	State Assets & Infrastructure	-	-	-	Status is unknown.
DOS	Create energy baseline for leased sites	State Assets & Infrastructure			X	Compiling energy consumption information.
DOS	Create energy baseline for office equipment	State Assets & Infrastructure			X	Compiling energy consumption information.
DOS	Ensure new building compliance	State Assets & Infrastructure	-	-	-	Status is unknown.

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DOS	Ensure financed building compliance	State Assets & Infrastructure	-	-	-	Status is unknown.
DOS	Promote personal energy use awareness	Resilient Communities & Economies			X	No progress to date but there are plans to enact this in conjunction with the energy baseline implementation.
Agency	Action	Topic Area	Completed	On-going	Not Begun	Progress Summary
DOS	Include protected classes and undocumented communities in outreach efforts [Human Relations Commission]	Resilient Communities & Economies	-	-	-	Status is unknown.
DOS	Increase amount of technical staff [Public Advocate]	State Assets & Infrastructure	-	-	-	Status is unknown.
DOS	Enhance outreach to utility consumers [Public Advocate]	Resilient Communities & Economies	-	-	-	Status is unknown.
DOS	Mitigate below-grade facilities	State Assets & Infrastructure	-	-	-	Status is unknown.
DOS	Advocate for adoption of state recommendations for climate change adaptation	Resilient Communities & Economies		X		Created new web page to highlight programs related to Executive Order 41.
DOS	Provide and market public transportation to attractions throughout the state	State Assets & Infrastructure		X		Promotes public transportation and ride sharing to state-sponsored events.
DOS	Alter the standard for weekly rentals	State Assets & Infrastructure		X		Difficult to make changes as it requires a change to the entire rental market.
DOS	Promote economic growth and development in climate-resilient locations	Resilient Communities & Economies		X		The "Sites & Buildings" page on the Delaware Division of Small Business's website allows visitors to search for available brownfield sites.

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DOS	Assist in bolstering resilience in the agriculture sector	Natural Resources		X		In conjunction with DDA, the Division of Small Business offers loans to help smaller farmers put in new irrigation systems that are more precise to avoid wasting water and nutrients. Working with DDA to identify a new opportunity to provide assistance to farmers.
Agency	Action	Topic Area	Completed	On-going	Not Begun	Progress Summary
DOS	Educate and assist businesses and industry in adapting to climate change	Resilient Communities & Economies		X		Division of Small Business actively markets educational events such as the "Fueling the Future" ride-and-drive clean transportation conference.
DOS	Advocate for the reuse of existing industrial brownfield sites	State Assets & Infrastructure		X		The "Sites & Buildings" page on the Division of Small Business website allows visitors to search for available brownfield sites. Currently helping the Delaware Economic Authority to get a potential buyer to purchase a superfund site off of Route 72 in Newark for redevelopment.
DSHA	Evaluate energy-efficiency standards of the Low Income Housing Tax Credit program	Resilient Communities & Economies	X			Received funding to evaluate energy efficiency standards and updated energy efficiency requirements for Low-Income Housing Tax Credit awardees. Project was completed in spring 2020.
DSHA	Explore partnering on grants that address resiliency, such as the upcoming HUD National Disaster Resilience Competition	Resilient Communities & Economies		X		Time and resources were not available to submit specified competition.
DSHA	Consider sea level rise in DSHA programs	Resilient Communities & Economies		X		The Delaware State Housing Authority uses the State Strategies map, which considers sea level rise and flood risk, as a criteria for participation in the Low-Income Housing Tax Credit program.

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DSHA	Incorporate information on sea level rise in homeownership counseling	Resilient Communities & Economies	-	-	-	Status is unknown.
DSHA	Promote sustainable building practices into the Downtown Development District (DDD) grant program	State Assets & Infrastructure		X		Received funding to provide incentives for project achieving Leadership in Energy and Environmental Design (LEED) Silver certification through the U.S. Green Building Council. Only one business as of summer 2020 has applied for the grant.
Agency	Action	Topic Area	Completed	On-going	Not Begun	Progress Summary
DSHS	Develop operational plans to adapt to sea level rise	Resilient Communities & Economies		X		DEMA included sea level rise considerations in the 2018 All-Hazard Mitigation Plan Update.
DSHS	Consider alterations to policies regarding worker safety in an increased temperature environment	Public Health & Safety		X		Reviewed policies related to worker safety and made alterations that limit how long employees are allowed to work in extreme temperatures including review of K9 policies. Participated in the Climate-Ready Workforce Pilot Project.
DSHS	Conduct research on the potential effects of climate change on structures and vehicles	State Assets & Infrastructure		X		DEMA is currently researching and reviewing FEMA's newest program the Building Resilient Infrastructure and Communities (BRIC) grant program.
DSHS	Make programmatic adjustments to adapt to increasing levels of precipitation, flooding, and sea level rise	Resilient Communities & Economies		X		Transitioning Delaware State Police's and Capitol Police's patrol vehicles to SUVs with higher clearance to address sea level rise and additional snowfall.

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OMB	Advocate for changes to state building design practices and policies	State Assets & Infrastructure		X		EO 18 established guidelines for facility construction upgrades, and identified construction practices that should be opted for/preferred. Examples: Completed construction of two new state police troops (3 and 7) and renovation of the lobby of the Carvel State Office Building that followed the EO 18 guidelines.
Agency	Action	Topic Area	Completed	On-going	Not Begun	Progress Summary
OMB	Improve resilience of state facilities and equipment	State Assets & Infrastructure		X		Always a consideration when doing construction and updates to facilities. Example: Raised equipment in Delaware City due to persistent flooding.
OMB	Incorporate flooding considerations into siting of state facilities	State Assets & Infrastructure		X		Served on flood avoidance workgroup and helped to develop a guide for state agencies. Included Executive Order 41 on review checklist. Require consultants to map out flooding and sea level rise impacts when designing projects to ensure impacts are avoided.
OMB	Revise Life Cycle Costing Analysis to account for climate change impacts	State Assets & Infrastructure		X		Working on identifying how to incorporate the costs and benefits of reducing carbon dioxide into the Life Cycle Costing Analysis.
OMB	Increase maintenance of state facilities as a result of climate impacts	Public Health & Safety		X		

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OMB	Investigate alternate work schedules for outdoor workers	Resilient Communities & Economies		X		
OMB	Incorporate resilience in Government Support Services (GSS) contracting	Resilient Communities & Economies		X		
OMB	Incorporate resilience into Messenger Services	Resilient Communities & Economies	-	-	-	Status is unknown.
Agency	Action	Topic Area	Completed	On-going	Not Begun	Progress Summary
OMB	Offer training opportunities for employees on impacts of climate change	Resilient Communities & Economies	-	-	-	Status is unknown.
OMB	Revise PLUS checklist for Comprehensive Plans	Resilient Communities & Economies	X			This recommendation has been implemented.
OMB	Examine ways to incorporate climate change and sea level rise impacts into PLUS application	Resilient Communities & Economies	X			This recommendation has been implemented.
OMB	Provide technical support to local governments for Comprehensive Plans and local ordinances	Resilient Communities & Economies		X		Always a priority and work action for the Office of State Planning Coordination . In the last four years have helped Frederica, Milford, and Wilmington update their comprehensive plans.
OMB	Provide technical assistance to support integration of climate impacts and to reduce greenhouse gas (GHG) emissions through adaptation and mitigation at the local level	Resilient Communities & Economies		X		On-going technical support to local communities and will continue to conduct regularly scheduled updates to their comprehensive plans. Incorporate into comprehensive plans as much as possible. Part of the state's Preliminary Land Use Service.

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OMB	Examine ways to incorporate climate change and sea level rise as factors in the next update to State Strategies for Policies and Spending	Resilient Communities & Economies	X			Updated the plan in 2019 and in 2020 to incorporate sea level rise considerations, the plan was approved in summer 2020.
OMB	Establish and maintain GIS layers related to climate change and sea level rise impacts in FirstMap	Resilient Communities & Economies		X		Current project to identify the most vulnerable buildings to sea level rise and flooding. Phase 1 of mapping state-owned buildings and their footprints is complete. Phase 2 will take a closer look at the 20 most vulnerable buildings to determine when building updates are needed or if the building needs to be moved.