



Overview of Governor Cooper's Executive Order No. 80

NC DEPARTMENT OF ENVIRONMENTAL QUALITY

Jacob Boyd | NC Division of Marine Fisheries

Marine Fisheries Commission | Beaufort, NC | Nov. 15, 2019



Executive Order No. 80

North Carolina's Commitment to Address Climate Change and Transition to a Clean Energy Economy



- Recognizes that climate change is affecting the health and welfare of our residents, economy, environment and our natural and built infrastructure
- Recognizes that we must take an active role in combatting climate change and make our state more resilient to its impacts
- Calls for clean energy technology innovations, workforce development, and a modern, smart electric grid to grow the state's economy while making North Carolina a national leader in clean energy solutions
- Recognizes that we can protect our communities, grow our economy, and ensure a healthy environment at the same time

N.C. Climate Change Interagency Council

Composition: The secretary or designee of each cabinet agency and a representative of the Governor's Office

Council Chair: Secretary Regan, N.C. Department of Environmental Quality

Council Duties:

- Recommend new and updated goals and actions to meaningfully address climate change
- Develop and implement programs and activities that support climate mitigation and adaptation
- Consider stakeholder input when developing recommendations, programs, and activities
- Schedule, monitor, and provide input on the preparation and development of the plans and assessments required by EO80
- Review and submit to the Governor EO80 plans and assessments

Status Update on Implementation: To Governor by Oct. 15, 2019

Next Meeting: November, 2019

<https://deq.nc.gov/eo80>



EO80 Section 9

Climate Change Science, Impacts, Risks and Resiliency

N.C. Climate Risk Assessment and Resiliency Plan Development

- DEQ will lead a process to provide a scientific assessment of current and projected climate impacts on North Carolina and prioritize effective resiliency strategies
- All cabinet agencies will assess and address climate change by:
 - Evaluating the impacts of climate change on agency programs and operations
 - Integrating climate change mitigation and adaptation practices into agency programs and operations
 - Supporting communities and sectors vulnerable to climate change impacts
- Collective efforts will be documented in the Risk and Resiliency Plan due March 1, 2020



Risk Assessment and Resiliency Plan Strategy

Climate science assessment



Science Report
Lead: DEQ
NCORR/DPS, DOT, DNCR, DHHS, DHS, DOA, DMVA, DOR, DOC
NCICS, NC Climate Science Advisory Panel



NC Climate Science Report

Exposure to climate-related hazards



Hazard Identification
Lead: DEQ
NCORR/DPS, DOT, DNCR, DHHS, DHS, DOA, DMVA, DOR, DOC
NOAA, NEMAC, NCICS



*Agency Workshop 1
Hazard/Asset Matrix*

Assess Vulnerability and Risks



Risk Assessment
Lead: DEQ
NCORR/DPS, DOT, DNCR, DHHS, DHS, DOA, DMVA, DOR, DOC
NOAA, NEMAC, NCICS



*Agency Workshop 2
NC Climate Risk Assessment*

Develop Actions



State Agency Strategies
Lead: DEQ / NCORR
DPS, DOT, DNCR, DHHS, DHS, DOA, DMVA, DOR, DOC
NOAA, NEMAC, NCICS

Local Government Strategies
Lead: DEQ / NCORR, COGs, Cabinet agencies
NGOs, local governments, NOAA, NEMAC

Recovery and Resilience Support Strategies
Lead: NCORR
State Disaster Recovery Task Force members

Nature Based Solutions
Lead: DEQ, Natural & Working Lands Stakeholders



Agency Workshop 3

Regional Resiliency Workshop Reports

RSF Recommendations

NWL Recommendations Report

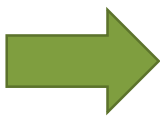
NC Climate Resiliency Plan

Risk Assessment and Resiliency Plan Strategy

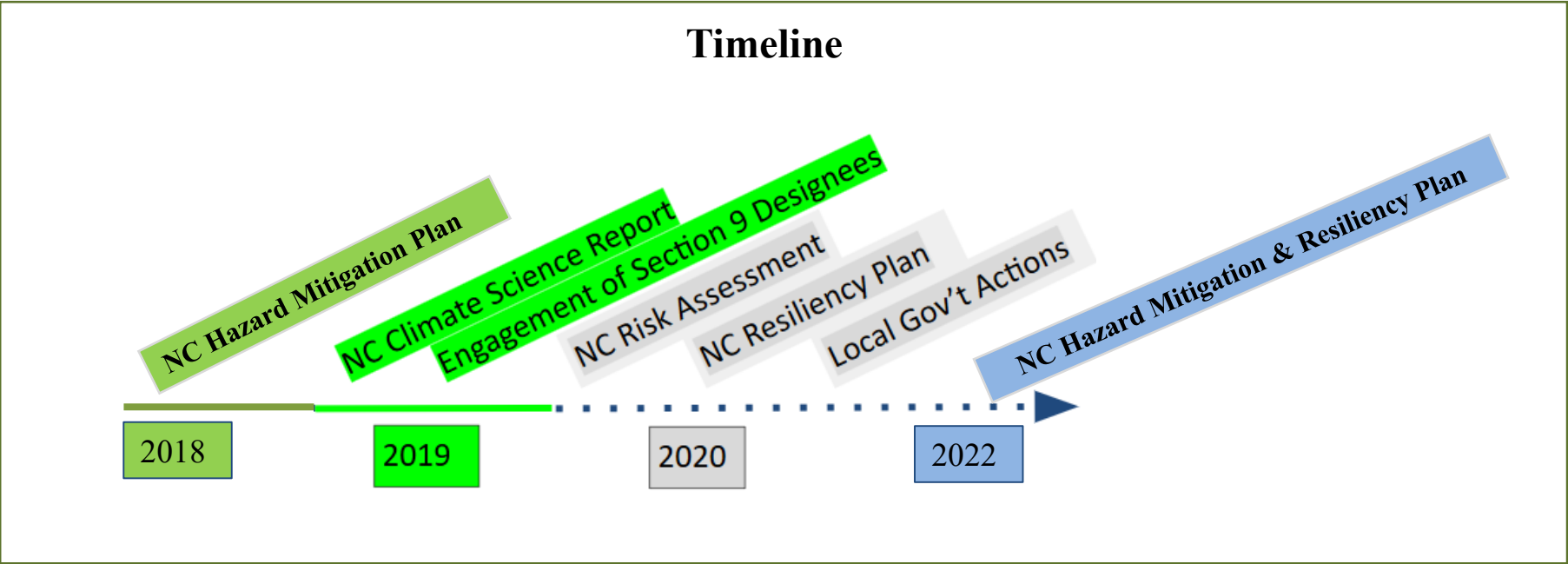
Local Government and Community Assistance



Local and Regional Resilience Plans & Actions
Lead: NCORR
Cabinet agencies, COGs, local governments, NGOs



Local Government Assistance: Planning, Tools, Funding, Resources, etc.



Natural and Working Lands (NWL) Stakeholder Group

- Members of federal, state, and local agencies, NGOS, Universities, regional partnerships, have come together to develop a plan for how NC can promote **carbon sequestration and storage** on our NWLs.
- Consider NWL carbon opportunities that will bring additional **resilience benefits** (reduced flooding, nutrient and pollutant loading, saltwater intrusion, wildfires, etc...)
- **Develop a plan** – what habitats, where to target and what programs and funding can support this work.

Focus Areas

- Floodplains and wetlands
- Pocosin wetlands
- Coastal habitats (blue carbon)
- Agriculture
- Forestry
- Urban
- Financing and programs (resilience, conservation, c market, etc.)



NWL Coastal Habitats Subcommittee

Objectives

- Prioritize actions for coastal habitats that will increase carbon sequestration and resilience to climate change and sea level rise
 - Utilized goals in CHPP and APNEP Comprehensive Conservation and Management Plan

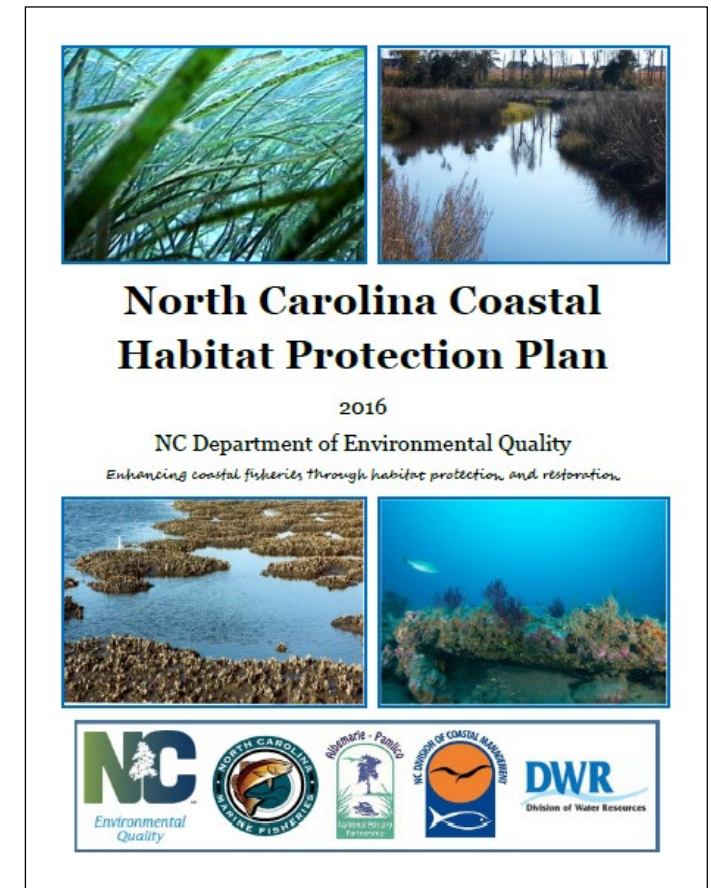
Recommendations

- Coastal habitat protection incentives
 - For stakeholders, local governments, other public/private stakeholders
- Habitat migration corridors
 - Develop way for the state to facilitate private, state, and federally owned land pathways for marsh migration and other habitat migration corridors
- Incorporation of climate change and sea level rise
 - Facilitate coastal habitat restoration with state, federal, and local governments to incorporate climate change and sea level rise considerations into their planning processes



EO80 and CHPP Synergies

- Nature based solution actions for NC Climate Resiliency Plan
- NWL Coastal Habitats Subcommittee recommendations included many from the CHPP
- All recommendations will be included in the NWL Committee Final Report
- Upcoming CHPP iteration will continue this momentum
 - Incorporate climate change and sea level rise



Resilience is the capacity of a community, business, or natural environment to prevent, withstand, respond, and recover from a disruption



EO80 Information

EO80 Website deq.nc.gov/climate-council

The screenshot shows the top navigation bar with the North Carolina Environmental Quality logo, a search bar, and links for "NC.GOV AGENCIES JOBS SERVICES". Below the navigation is a breadcrumb trail: Home > Energy & Climate > Climate Change > NC Climate Change Interagency Council > Climate Change & Clean Energy: Plans & Progress. The main heading is "Climate Change & Clean Energy: Plans & Progress". Below this are eight content tiles:

- Clean Energy Plan** (Department of Environmental Quality)
- North Carolina ZEV Plan** (Department of Transportation)
- Motor Fleet ZEV Plan** (Department of Administration)
- Clean Energy and Clean Transportation Workforce Assessments** (Department of Commerce)
- Climate Risk Assessment & Resiliency Plan** (Department of Environmental Quality)
- Comprehensive Energy, Water & Utility Use Conservation Program** (Department of Environmental Quality)
- Greenhouse Gas Inventory** (Department of Environmental Quality)
- Climate Change Interagency Council** (Learn More)

Participating Agencies

A grid of nine dark blue boxes, each representing a participating agency with a checkmark icon below the name:

- Department of Health and Human Services
- Department of Information Technology
- Department of Military and Veterans Affairs
- Department of Natural and Cultural Resources
- Department of Revenue
- Department of Public Safety
- Department of Transportation

