

Connecticut Climate Mitigation, Adaptation, and Resiliency Strategy

DRAFT Outline FOR DISCUSSION

(Name of Working Group responsible for preparing initial draft of each section in parentheses)

PART I: Introduction, Overview, Approach

1. Executive Summary
2. Background (**DEEP Staff**)
 - a. EO3
 - b. GC3 structure
 - c. Planning and report process
3. Overview of Expected Impacts from Climate Change (**Science and Technology**)
4. Lenses for consideration
 - a. Vulnerable communities (**Equity and Environmental Justice**)
 - b. Economic development and workforce opportunities

PART II: Climate Change Mitigation

5. Climate Change Mitigation: Update on progress on achieving the “Building a Low Carbon Future for Connecticut: Achieving a 45% GHG Reduction 2030” (2018 Report) (**Progress on Mitigation Strategies**)
 - a. Electric Sector (**Electricity Subgroup**)
 - i. List progress by objectives from 2018 Report
 - ii. Evaluate opportunities for equitably distributing costs and benefits of strategy implementation, specifically addressing any disproportionate impact on environmental justice communities
 - iii. Assess how GHG reduction strategies are being integrated into existing and new state agency planning efforts;
 - iv. Consider efficacy of existing and proposed policies and regulations for GHG mitigation, including GHG mitigation strategies that maximize climate adaptation and resilience.
 - b. Transportation Sector (**Transportation Subgroup**)
 - i. List progress by objectives from 2018 Report
 - ii. Evaluate opportunities for equitably distributing costs and benefits of strategy implementation, specifically addressing any disproportionate impact on environmental justice communities
 - iii. Assess how GHG reduction strategies are being integrated into existing and new state agency planning efforts;

- iv. Consider efficacy of existing and proposed policies and regulations for GHG mitigation, including GHG mitigation strategies that maximize climate adaptation and resilience.
- c. Buildings Sector (***Buildings Subgroup***)
 - i. List progress by objectives from 2018 Report
 - ii. Evaluate opportunities for equitably distributing costs and benefits of strategy implementation, specifically addressing any disproportionate impact on environmental justice communities
 - iii. Assess how GHG reduction strategies are being integrated into existing and new state agency planning efforts;
 - iv. Consider efficacy of existing and proposed policies and regulations for GHG mitigation, including GHG mitigation strategies that maximize climate adaptation and resilience.
- d. Cross-Sector and other strategies (***Cross-Sector and Non-energy Subgroups***)
 - i. List progress by objectives from 2018 Report
 - ii. Evaluate opportunities for equitably distributing costs and benefits of strategy implementation, specifically addressing any disproportionate impact on environmental justice communities
 - iii. Assess how GHG reduction strategies are being integrated into existing and new state agency planning efforts;
 - iv. Consider efficacy of existing and proposed policies and regulations for GHG mitigation, including GHG mitigation strategies that maximize climate adaptation and resilience.

PART III: Climate Change Adaptation and Resilience

- 6. Climate Change Adaptation and Resilience: Vision, Goals and Principles (***Adaptation Planning and Implementation***)
- 7. Working and Natural Lands (***Working and Natural Lands – all subgroups***)
 - a. Background and Context
 - b. Importance
 - c. Impact Assessment and Vulnerability
 - d. Progress
 - e. Indicators and Targets
 - f. Outcomes, Objectives and Strategies
 - g. Implementation Actions
 - h. Assessment of Impacts to Vulnerable Communities
- 8. Infrastructure and Developed Lands (***Adaptation Planning and Implementation – Transportation, Utility Infrastructure, and Land Use and Buildings subgroups***)
 - a. Background and Context
 - b. Importance

- c. Impact Assessment and Vulnerability
 - d. Progress
 - e. Indicators and Targets
 - f. Outcomes, Objectives and Strategies
 - g. Implementation Actions
 - h. Assessment of Impacts to Vulnerable Communities
9. Public Health and Safety (***Adaptation Planning and Implementation – Public Health and Safety subgroup***)
- a. Background and Context
 - b. Importance
 - c. Impact Assessment and Vulnerability
 - d. Progress
 - e. Indicators and Targets
 - f. Outcomes, Objectives and Strategies
 - g. Implementation Actions
 - h. Assessment of Impacts to Vulnerable Communities
10. Financing (***Financing Adaptation and Resilience***)
- a. Barriers to funding adaptation and resilience investment
 - b. Existing climate finance mechanisms
 - c. New and emerging funding and finance mechanisms
 - d. Overcoming financing barriers

PART IV: Implementation

11. Summary of Recommendations and Prioritization
12. Implementation and Tracking (***All***)
- a. *Who is responsible for implementation and tracking progress*
 - b. *What are the mechanisms for tracking progress*

How to use this Table of Contents

Below, please find an example of the types of questions each subsection should answer from Sections 7-9:

5. Working and Natural Lands
 - a. Background and Context
 - i. *describe the universe of resources and human uses being addressed*
 - ii. *Describe trends affecting sustainability of*
 1. *Forests*
 2. *Rivers*
 3. *Wetlands*
 4. *Agricultural lands and soils*
 5. *And the ecosystem benefits or other co-benefits associated with each landscape*
 - b. Importance
 - i. *how important are these resources and human uses in Connecticut*
 - ii. *what are the risks if these resources and uses are adversely impacted*
 - c. Impact Assessment and Vulnerability
 - i. *what climate change impacts are of concern and why*
 - ii. *characterize the vulnerability of*
 - d. Progress
 - i. *identify relevant strategies established in 2011 report and report on status*
 - e. Indicators and Targets
 - i. *What are the key indicators and thresholds of progress or impact (e.g., forest age class diversity, acres of coastal wetlands)*
 - ii. *Establish targets for demonstrating progress*
 - f. Outcomes, Objectives and Strategies (*example; but define each objective in quantifiable and time bound terms*)

Outcome 1-1: Increase the acres of coastal wetlands by XX percent (YYY,YYY acres in total) by 2030(?)

Objective 1-1a: Provide for landward migration of coastal wetlands

Strategy 1-1a1: Acquire upland easements

Strategy 1-1a2: Reduce impediments to landward migration

Strategy 1-1a3: Establish infrastructure design standards to facilitate migration

Objective 1-1b: Restore and enhance existing coastal wetlands

Strategy 1-1b1: reduce tidal flow restrictions

Strategy 1-1b2: increase beneficial use of dredged material
 - g. Implementation Actions: *Identify specific actions and the strategies addressed by each action*
 - i. 1-year Actions

- ii. 5-year Actions
- h. Assessment of Impacts to Vulnerable Communities