

# 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~~ **Planning and Progress**

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. Update and Progress on achieving the Connecticut Climate Change Preparedness Plan (2011/13 Report)**

**6.a. Climate Change Adaptation and Resilience: Vision, Goals and Principles (*Adaptation Planning and Implementation*)**

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- 7. Working and Natural Lands (**Working and Natural Lands – all subgroupsSubgroups**)
  - a. Background and Context
  - b. Importance to Climate Change Adaptation, Resilience, and Mitigation
  - 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 subgroupsSubgroups**)
  - 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 subgroupSubgroup**)
  - 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~~ III: Implementation and Timeline**

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*

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## 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