Connecticut Department of Energy and Environmental Protection

Connecticut Department of
ENERGY &
ENVIRONMENTAL
PROTECTION

GC3 Meeting

September 20, 2018

2:00 — 4:00 p.m.

Agenda

2:00	**Welcome & Announcements** *Rob Klee, GC3 Chair, Commissioner of DEEP*
2:10	**Overview of Sustainable CT** *Lynn Stoddard, Sustainable Energy Institute*
2:25	**Review and discuss draft report recommendations and suite of strategies** *Keri Enright-Kato, CT DEEP*
3:20	**Next Steps** *Keri Enright-Kato, CT DEEP*
3:30	**Public Comments**

Sustainable CT

Sustainable CT
Local Actions. Statewide Impact.

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- About
  - Our Story
  - Board of Directors
  - Program Staff
  - Partners
  - Contact Us
- Actions & Certifications
- Get Involved
- Communities, Partners, Impact
- Funding
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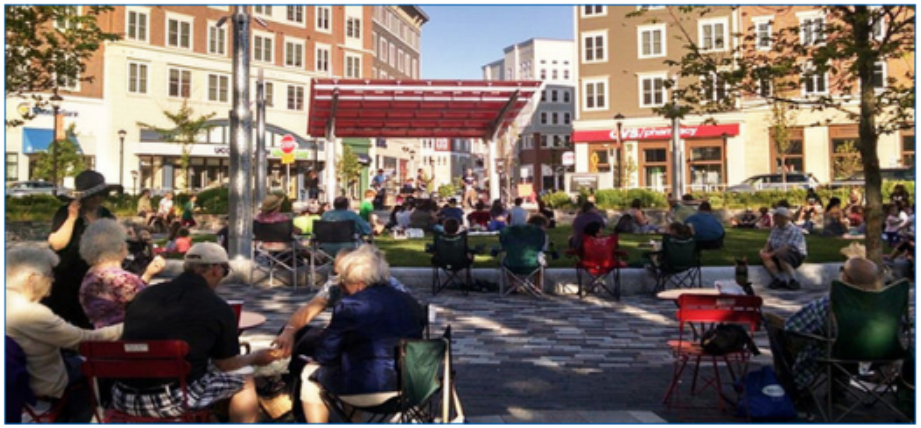
Vision

Sustainable CT communities strive to be thriving, resilient, collaborative, and forward-looking. They build community and local economy. They equitably promote the health and well-being of current and future residents, and they respect the finite capacity of the natural environment.



Mission

To provide municipalities with a menu of coordinated, voluntary actions, to continually become more sustainable; to provide resources and tools to assist municipalities in implementing sustainability actions and advancing their programs for the benefit of all residents; and to certify and recognize municipalities for their ongoing sustainability achievements.

www.sustainablect.org

Draft Report & Suite of Recommendations

Draft GC3 Recommendations & Strategies

Questions for discussion:

1. Is the Intro useful? And does it cover too little, too much, or just enough information to provide context?

2. Is there consensus on the key conclusions from the scenarios analysis?

3. The key priorities and suite of recommendations are based on the sector working group meetings we held last spring. Do they accurately convey the outcomes of those discussions? Is there anything missing?

4. General comments on length, organization, and structure.

Transportation Sector:
Clean Transportation Options

KEY PRIORITIES & SUITE OF STRATEGIES

Advocate to maintain increasing fuel economy and low- and zero-emissions standards

1. Maintain adherence to Corporate Average Fuel Economy (CAFE) and GHG emission standards mid-term review 2016 final determination
2. Maintain adherence to California low-emissions and zero-emissions vehicle requirement

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Beneficial electrification of transportation

1. Implement key actions identified in the Multi-State ZEV Action Plan and the CT EV Roadmap
2. Utilize price signals to incent EV adoption and reduce electric system impacts
3. Expand EV charging network to ensure consumer confidence and reduce range anxiety
4. Electrify vehicle fleets
5. Enhance education and outreach

Transportation Sector:
Clean Transportation Options

KEY PRIORITIES & SUITE OF STRATEGIES

Advance opportunities that reduce vehicle miles traveled (VMT)

1. Enhance transit services
2. Expand transit-oriented development projects
3. Encourage and support alternative modes and active transportation

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Ensure sustainable funding for transportation electrification and transit infrastructure

1. Vehicle miles traveled fee
2. Tolls and congestion pricing
3. Carbon fee/cap and invest program

Buildings Sector:
Clean & Efficient Buildings

KEY PRIORITIES & SUITE OF STRATEGIES

Expand building envelope energy conservation improvements

1. Expand access to thermal energy efficiency measures through innovative financing options for all income levels
2. Ensure building codes are continuously updated to align with the most recent International Energy Conservation Code
3. Lead by Example in government buildings through sustainable funding of energy management upgrades, and update High Performance Building Standards regulations
4. Review consistency of energy efficiency cost-effectiveness testing

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Beneficial electrification of building energy end uses

1. Develop a comprehensive plan to deploy renewable thermal technologies across residential, commercial, and industrial customers.
2. Develop price signals, incentives, and financing to maintain and accelerate the adoption of renewable thermal technologies
3. Lead by example through the electrification of heating and cooling systems in State buildings undergoing renovation and in new construction

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Buildings Sector:
Clean & Efficient Buildings

KEY PRIORITIES & SUITE OF STRATEGIES

Increase training and technical capacity of workforce

1. Expand building operator certification training programs to include renewable thermal technology installations and standards training
2. Increase outreach to HVAC industry professionals on proper installation of heat pumps and integration with existing equipment

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Expand consumer awareness efforts to increase building efficiency measures and low-carbon technology uptake

1. Increase visibility of EnergizeCT resources
2. Increase the number of homes receiving US DOE Home Energy scores and incorporate the score into real estate listing services
3. Enhance outreach efforts by using social media campaigns, webinars, case studies, testimonials, and customer engagement platforms

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Electric Sector:
Zero Carbon Electricity Generation

KEY PRIORITIES & SUITE OF STRATEGIES

Increase deployment of zero-carbon renewable energy sources

1. Cost-effectively meet the 2030 RPS target of 40%
2. Exercise existing procurement authority for zero carbon energy through competitive bidding processes that drive down prices
3. Maintain zero-carbon nuclear generation and develop a transition plan for zero-carbon replacement
4. Develop a transparent and predictable compensation framework to ensure the continued deployment of behind the meter renewable energy resources
5. Support LREC/ZREC successor programs to require electric utilities to continue procuring RECs in accordance with the RPS
6. Phase out Class I biomass RECs to reduce the carbon intensity of the RPS
7. Ensure a balanced approach to siting renewable energy resources

Electric Sector:
Zero Carbon Electricity Generation

KEY PRIORITIES & SUITE OF STRATEGIES

Prioritize grid modernization, security, and resiliency initiatives

1. Enhance distribution system planning and rate design to better integrate and optimize distributed energy resources
2. Enhance community resiliency and security through the deployment of micro-grids, on-site renewables and battery storage

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Maintain and strengthen regional partnerships that advance electric generation decarbonization

1. Coordinate with regional states to remove barriers for new and emerging technologies that reduce GHG emissions (offshore wind and battery storage)

Next Steps

Proposed Next Steps

September - October	• Revise draft
October – November	• Release draft report • Stakeholder engagement • GC3 meeting • Update report based on stakeholder feedback
December	• Release final report

Public Comments