

**Southwest
CT Climate
Action Plan**

ImpaCT 2045



Climate Pollution Reduction Grant Program - CT MSAs

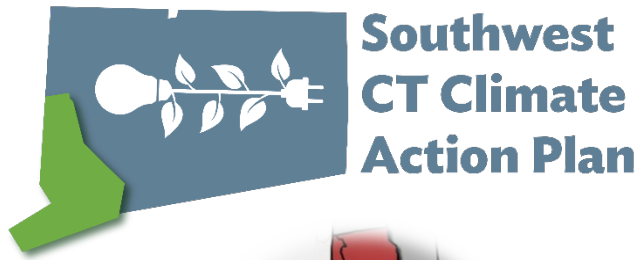
January 9, 2024



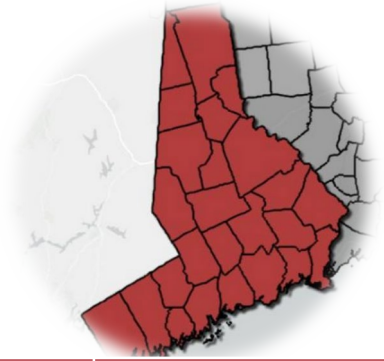
**CLIMATE
POLLUTION
REDUCTION
GRANTS**

U.S. Environmental Protection Agency





Southwest CT Climate Action Plan



IMPACT 2045



B-S-N	Partner	Status
GHG Inventory	UMass	■ ■ ■
Hire Consultant	 + 	✓
Engagement		■ ■ ■
Feedback on Measures		📅
Draft PCAP		📅
Submit PCAP		👤 ✓

New Haven	Partner	Status
GHG Inventory	 	✓
Engagement		✓
Draft PCAP		■ ■ ■
Feedback on PCAP		■ ■ ■
Submit PCAP		👤 ✓

Hartford	Partner	Status
GHG Inventory	UMass	■ ■ ■
Hire Consultant		✓
Engagement		■ ■ ■
Feedback on Measures		📅
Draft PCAP		📅
Submit PCAP		👤 ✓

Agenda

 PCAP Development

 Common Themes

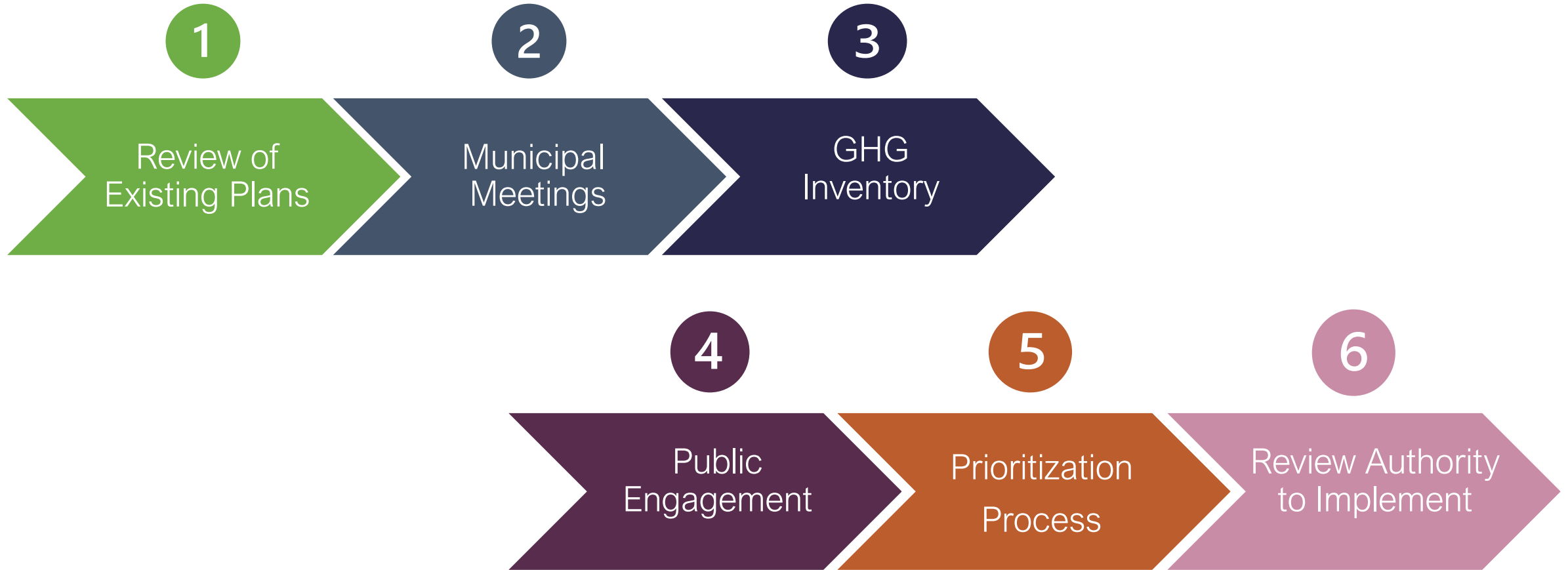
 CEEJAC Feedback

 Next Steps





PCAP Development



Review of Existing Plans

State, Regional & Local

Taking Action on Climate Change and Building a More Resilient Connecticut for All

GC3 Governor's Council on Climate Change
Phase 1 Report: Near-Term Actions
January 2021

Connecticut Greenhouse Gas Emissions Inventory 1990-2021

Connecticut Department of Energy & Environmental Protection

April 2023

South Central Region: Plan of Conservation and Development 2018-2028

South Central Regional Council of Governments

Adopted June 27, 2018

BGreen 2020
A Sustainability Plan for Bridgeport, Connecticut

HARTFORD CITY PLAN

City of Hartford Planning and Zoning Commission
Adopted May 12, 2020

Resilient South Norwalk: Resilient Corridor Analysis

2nd Community Workshop | June 29, 2023

PLAN BOLD • PLAN SMART
PLAN BRIDGEPORT

4/22/19

Sustainable CT
Local Actions. Statewide Impact.®

Each Region met with its Municipalities 1-on-1

SW-CT

December 2023

- **7 meetings** (by geography) + **1 "last call"**
- Met with municipal elected officials & staff, incl. boards of ed., transit agencies, and sustainability /conservation directors

IMPACT

Aug - Dec 2023

- **4 region-wide meetings**, including a cross-COG meeting with the State & a technical assistance webinar
- Met with municipal elected officials & staff, incl. the New Haven Office of Climate & Sustainability and Naugatuck Conservation Commission

GREATER HARTFORD

Nov- Dec 2023

- **Two in-person** – Hosted by the Sustainable West Hartford Commission (11/27) and City of Middletown 12/5)
- **Two virtual information sessions** – 12/19 & 12/20
- Updates to CRCOG & RiverCOG committees
- Multiple individual meetings with municipal staff

GHG Inventory - Key Sectors

UMass Amherst completed GHG Inventories for **all 3** Regional Climate Action Plans.



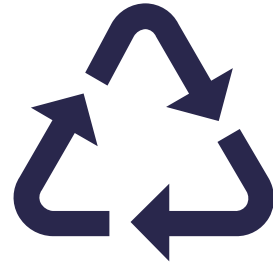
Mobile Emissions

Vehicle Miles Travelled
Vehicle Type
Distribution
Vehicle Fuel Efficiency



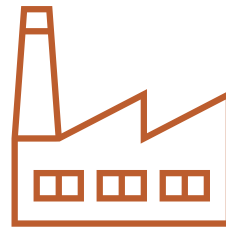
Electric Power

Electricity Consumption



Solid Waste

Landfill Methane
Fuel Combustion



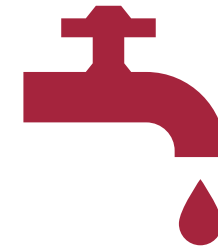
Stationary Combustion

Household heat fuel
Commercial/
Industrial emissions



Agriculture

Fertilizer
Agricultural
emissions



Wastewater

of wastewater
facilities
Wastewater
emissions

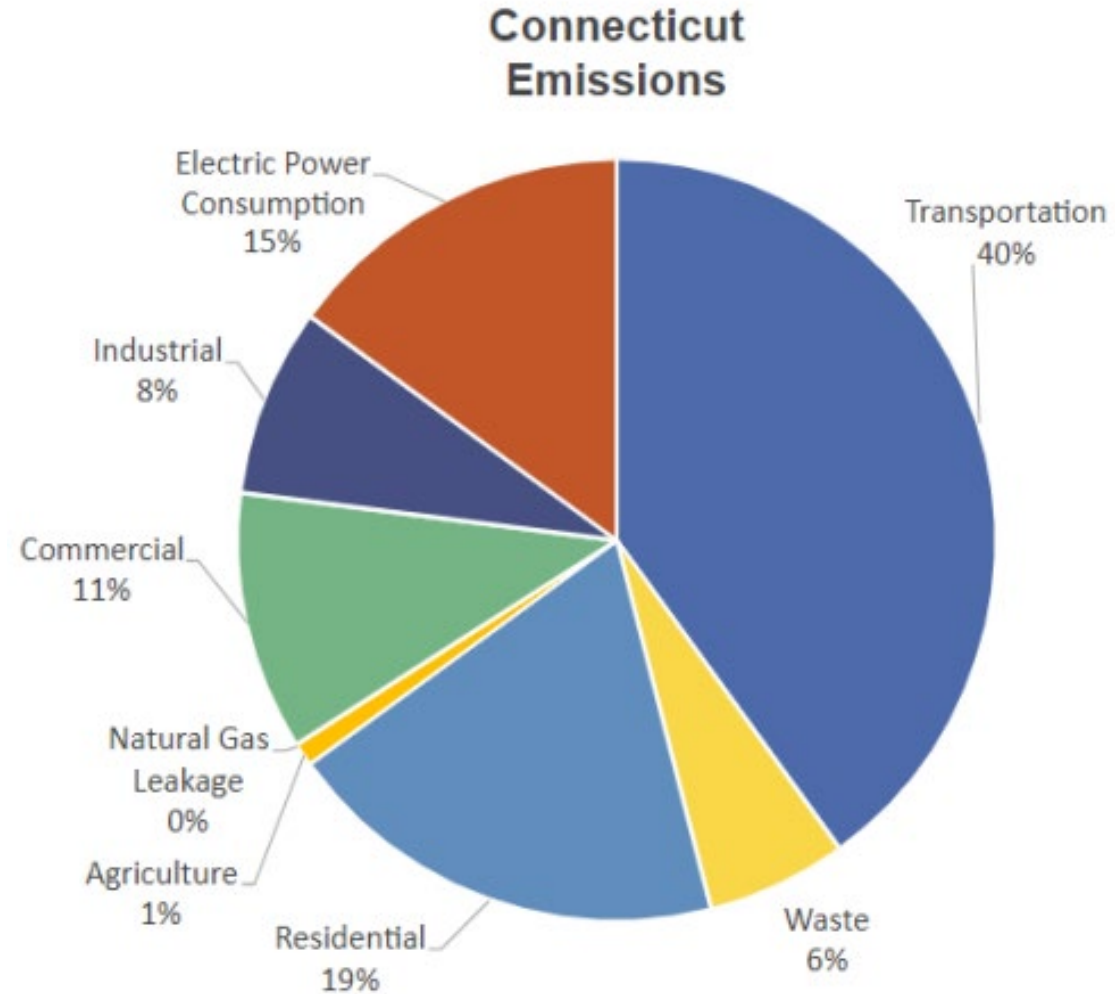
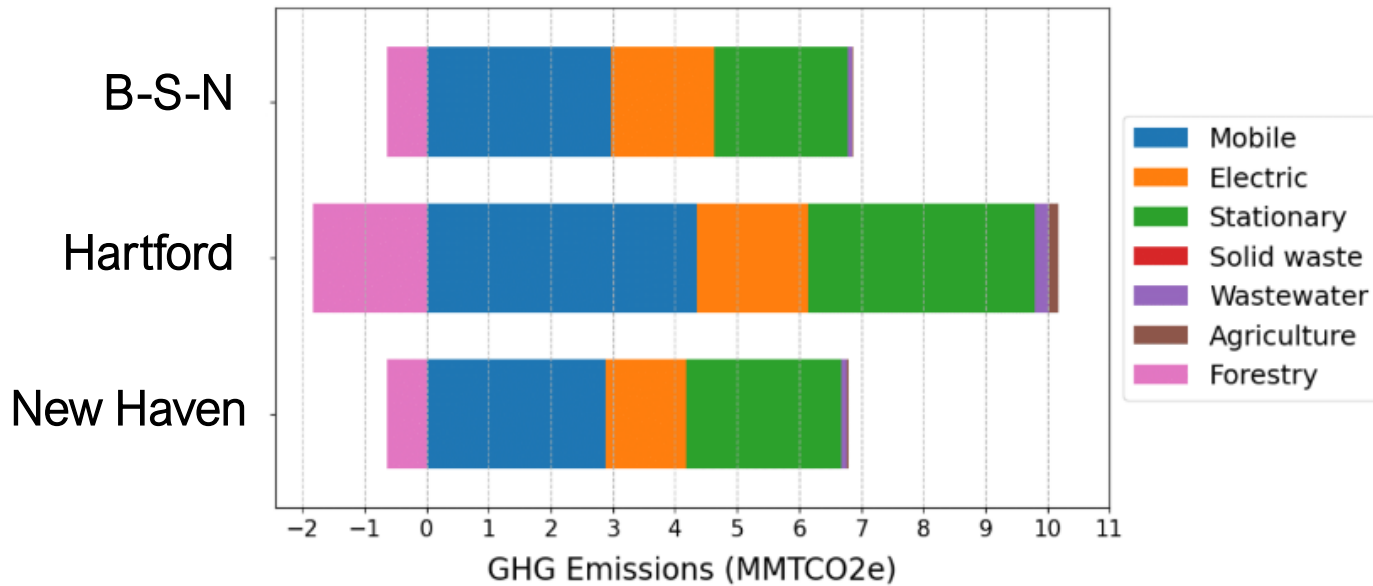


Forestry

Forestry area
Carbon
sequestration factor

GHG Inventory - Highlights

Mobile Emissions are 48% (Bridgeport-Stamford-Norwalk), 52% (Hartford-East Hartford-Middletown) and 47% (New Haven-Milford) of total emissions.



Stationary and **Electric** are the next highest emitting sectors across all 3 regions.

Public Engagement

Completed and **upcoming** opportunities to provide feedback on the Regional Climate Action Plans



Who We're Engaging...



Are there organizations we may have missed?

SW-CT

Alliance for Community Empowerment
Boys & Girls Club
BREP
Downtown Special Services District
Groundwork Bridgeport
East End Market Cafe
Freeman Center
GBT
Greater Stamford Hispanic Chamber
Hall Neighborhood House
NRZs
Operation Fuel
Person to Person
PT Partners
Portuguese Association
Sacred Heart
Trust for Public Land
United Way
University of Bridgeport
The Workplace
YMCA

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New Haven Coalition For
Active Transportation
Community Action Agencies from
Waterbury and New Haven Regions
Regional Energy Task Forces



GREATER HARTFORD

Kamora's Cultural Corner (LIDAC outreach)

Climate Technical Advisory Committee:
Municipal representation:

- o East Hartford
- o Hartford
- o Manchester
- o Mansfield
- o Middletown
- o New Britain
- o West Hartford

People's Action for Clean Energy
CT Green Bank
CT Resource & Development
Sustainable CT

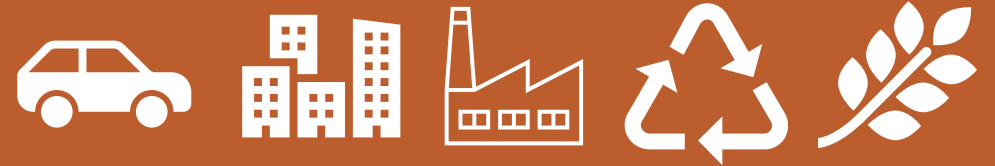
Prioritization Process

- Does it Reduce GHG?
- Is it within the purview of a municipality?
...or COG... or partnerships?
- Does it have demonstrable LIDAC benefits?
- Is it supported by municipal leaders & staff?
- Is it implementation-ready in the short-term?

PCAP is only the start

There are many great ideas that may not be the best fit for the PCAP.

They can be included in the CCAP and further refined.



Review of Authority to Implement

- Seeking measures that municipalities or COGs can legally implement.
- Coordinate with the State on who applies for what.
- Partnerships are possible.

Authority

- We are Councils of Government. We have statutory authority and cannot pass laws or act in many of the ways that the State can.
- *Projects and programs* are feasible; mandates aren't.

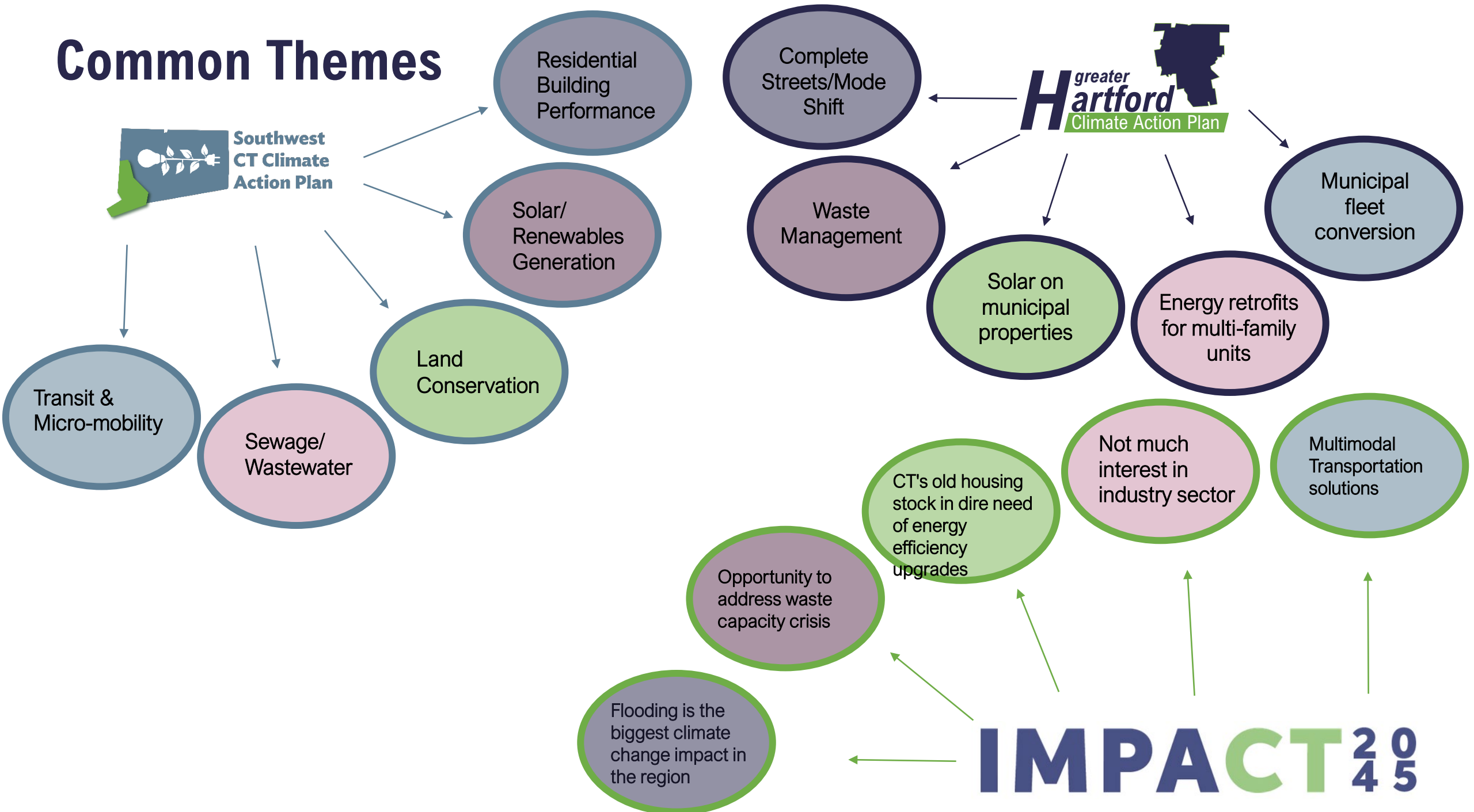


Public
Engagement

We found many common themes!



Common Themes



Southwest
CT Climate
Action Plan



greater
Hartford
Climate Action Plan

IMPACT 20
45

CEEJAC Feedback

We want to hear from you!



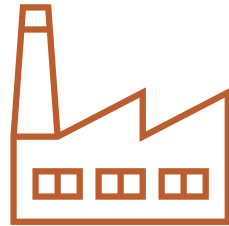
**Mobile
Emissions**



**Electric
Power**



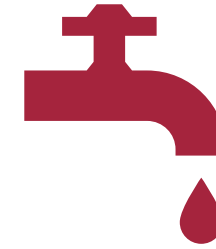
**Solid
Waste**



**Stationary
Combustion**



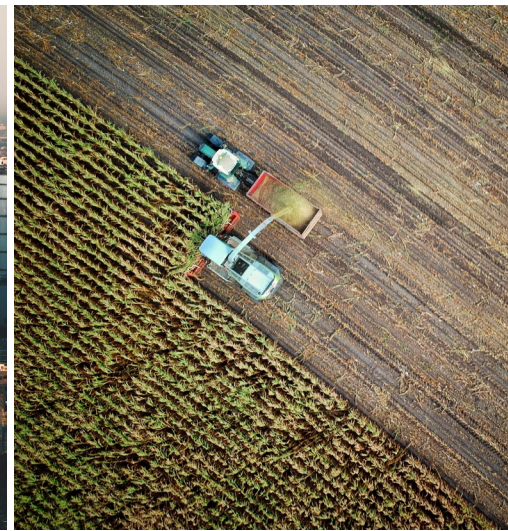
Agriculture



Wastewater



Forestry



Sector: Transportation



A Clean And Green Municipal Fleet

Solutions that lower emissions from municipal owned vehicles



Create A Transit First Approach And Reduce Spatial Misalignment

Discounted fares, connections to key employers, linking the region



Reduce Emissions from Private Vehicles

Consider options to reduce miles across the region



Ports and Freight Terminal Programs

Idling, bottleneck, reduce congestions



Measures to encourage mode shift

E-bike incentives, low cost or free fares, park and rides

What is missing?

Who should we involve?

**Concerns and opportunities
for Low Income and
Disadvantaged Communities?**

Sector: Buildings



Electrification of Buildings

Reduce Electricity Consumption From Fossil Fuel Sources In Municipal Buildings And Services



Performance Management Program for Government Buildings

Standards that utilize key emerging technologies



Prepare local economies for renewable energy transition

Rolling out high speed internet, offshore wind, solar installs



Increase Renewable Energy Production And Consumption At The Local Scale

Shared energy projects, credits, public access to charging



Building Performance Standards

Solutions that make sense and keep costs manageable

What is missing?

Who should we involve?

Concerns and opportunities for Low Income and Disadvantaged Communities?

Sector: Waste & Materials



Divert Waste Via Local And Regional Programs

Food scrap collection programs, educational outreach



Enact And Expand Statewide Waste-Reduction Laws

Extended producer responsibility, expanded recycling standards



Biodigesters

Generating natural gas through food waste



Adaptive Reuse

New uses for existing stock, creative redevelopment and remediation efforts



Establish a Regional Waste Management Authority

Text here.

What is missing?

Who should we involve?

**Concerns
and opportunities for Low
Income and Disadvantaged
Communities?**

Sector: Industry



Improve Emissions Monitoring, Accounting and Reporting



Reduce Emissions Through Low-Carbon Procurement



Corporate Recycling Standards



Support for Low-Embodied Carbon Materials

What is missing?

Who should we involve?

Concerns and opportunities for Low Income and Disadvantaged Communities?

Sector: Agriculture & Natural Working Lands



Forest Management

Preserve and support existing and potential forested lands



Land Restoration

Increases local food availability, lowers GHG from food production



Increase Urban Tree Canopy (UTC)

Increase urban tree canopy in low-income and disadvantaged communities

What is missing?

Who should we involve?

Concerns and opportunities for Low Income and Disadvantaged Communities?

Sector: Carbon Removal Co-Benefits



Urban Forestry & Street Trees Programs

Lowers heat island impact, provide homes for urban wildlife



Green Infrastructure

Parks and open spaces in urban centers, bike paths through open space



Tidal Marshes, Living Shorelines

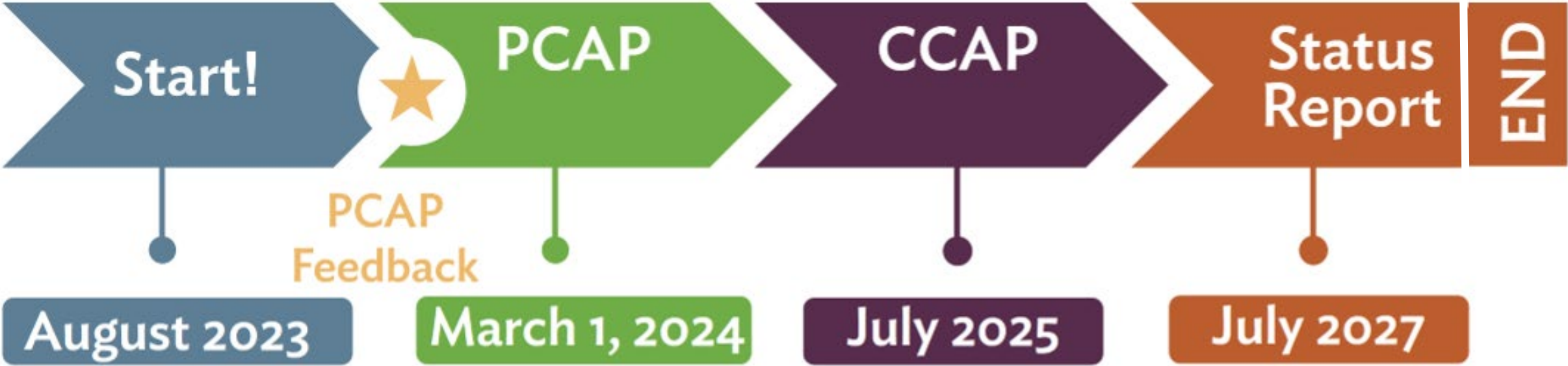
Green-Gray infrastructure limiting impacts from flooding

What is missing?

Who should we involve?

**Concerns and opportunities
for Low Income and
Disadvantaged Communities?**

Next Steps



QUESTION. What should we consider for the CCAP that may not be possible within the compressed timeframe of the PCAP?

THANK YOU!

ImpaCT 2045

