

Greater Boston Climate Action Plan Listening Session #1

November 14, 2023

**Greater
Boston**



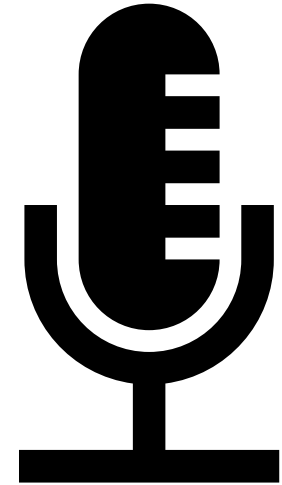
CLIMATE ACTION PLAN

Notification of Recording

*This meeting will be recorded and the **Metropolitan Area Planning Council (MAPC)** may choose to retain and distribute the video, still images, audio, and/or the chat transcript.*

By continuing with this virtual meeting, you are consenting to participating in a recorded event.

The recordings and chat transcript will be considered a public record. If you do not feel comfortable being recorded, please turn off your camera, mute your microphone, and/or leave the meeting.



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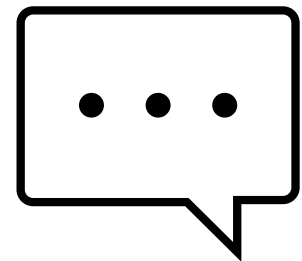
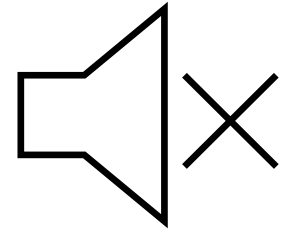
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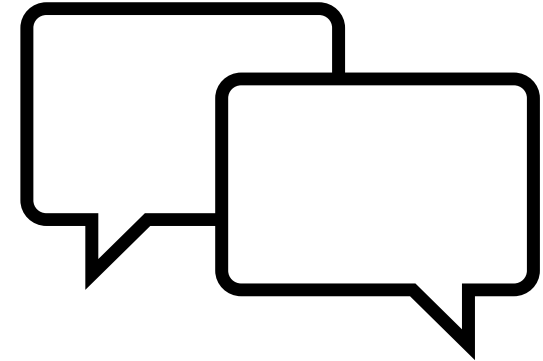
Zoom Housekeeping

- Please keep yourself on mute when not talking
- Use the chat feature to ask questions; Q&A will be held after the presentations
- Rename yourself in Zoom: Name and Organization/Community



Introduce Yourself in the Chat

- Name
- Role
- Municipality/Organization



Presenters



Sasha Shyduroff
Principal Planner,
Clean Energy Dept
SShyduroff@mapc.org

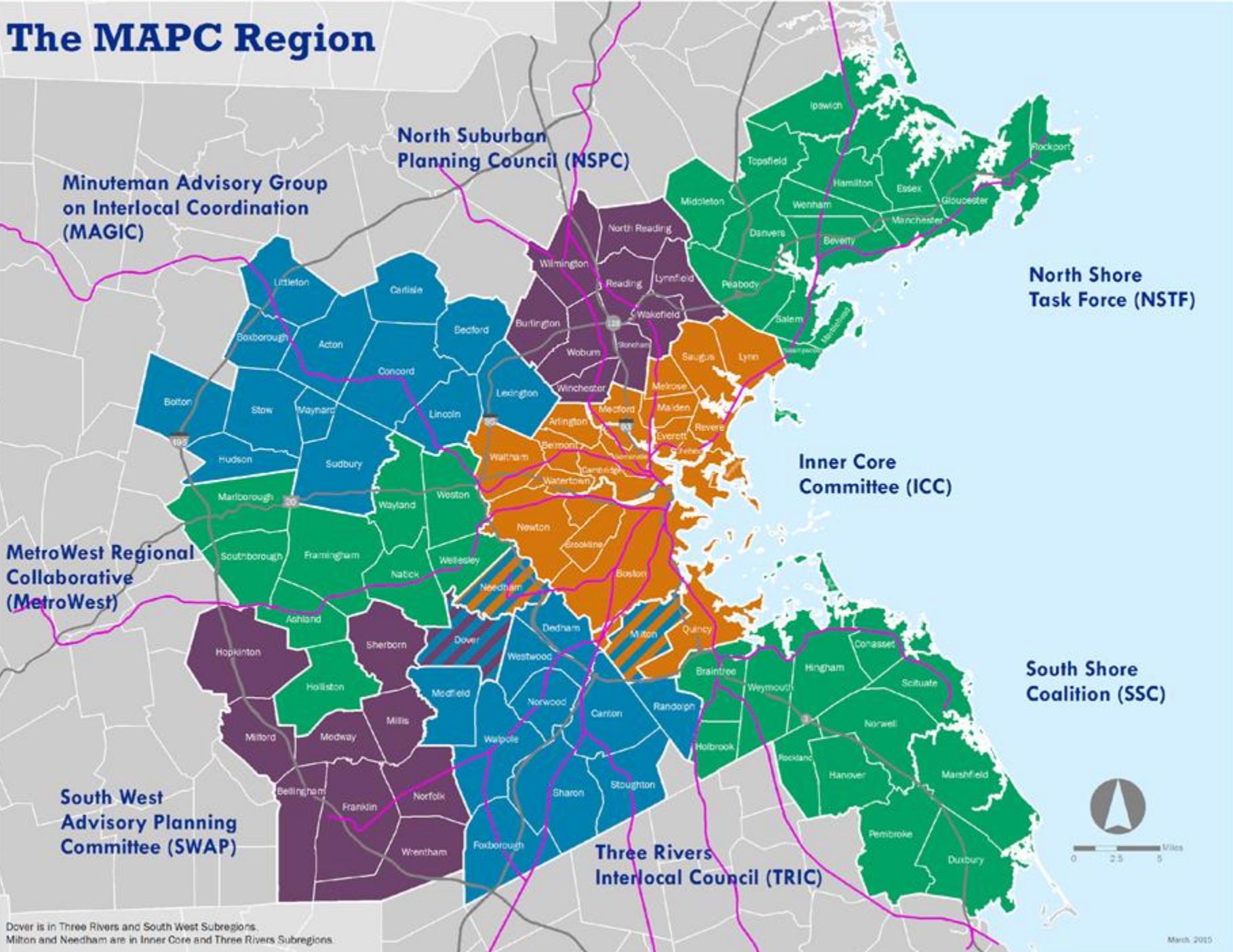


Jeremy Koo
Assistant Director,
Clean Energy Dept
JKoo@mapc.org



Allie Shepard
Clean Energy and
Climate Planner II,
Clean Energy Dept
AShepard@mapc.org

The MAPC Region



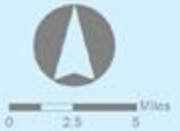
101 municipalities

1,440 square miles

Nearly 3.2 million residents

1.8 million jobs (2010 Census)

Dover is in Three Rivers and South West Subregions. Milton and Needham are in Inner Core and Three Rivers Subregions.



MetroCommon 2050 Goals



A Climate-Resilient Region

Metro Boston is prepared for - and resilient to - the impacts of climate change.



A Net Zero Carbon Region

The Metro Boston region is highly energy efficient and has reduced its greenhouse gas (GHG) emissions to net zero.



A Healthy Environment

Greater Boston's air, water, land, and other natural resources are clean and protected - for us and for the rest of the ecosystem.

Today's Agenda

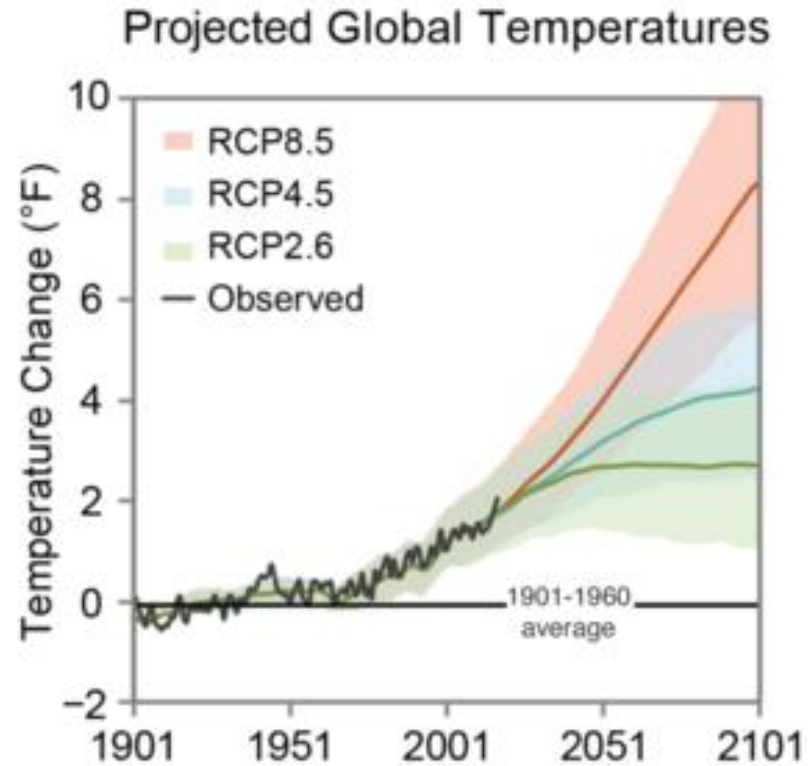
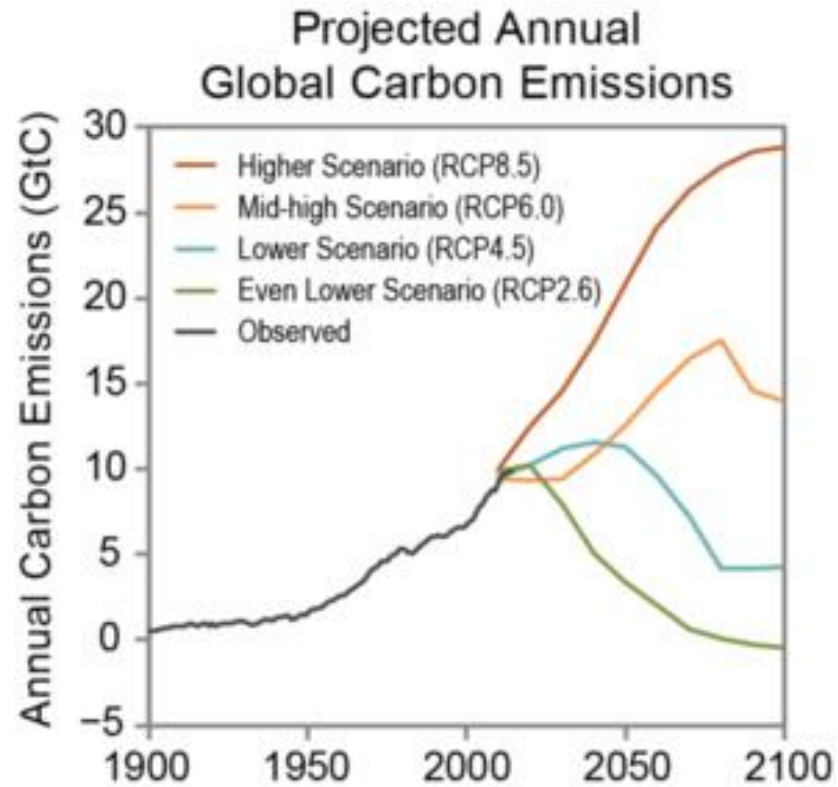
Time	Topic
1:30-1:35 p.m.	Welcome/Introductions
1:35-1:55 p.m.	Overview of the GBCAP
1:55-2:00 p.m.	Q&A
2:00-2:45 p.m.	Breakout Group Discussion
2:45-2:50 p.m.	Report backs
2:50-3:00 p.m.	Next Steps

Overview of Greater Boston Climate Action Plan

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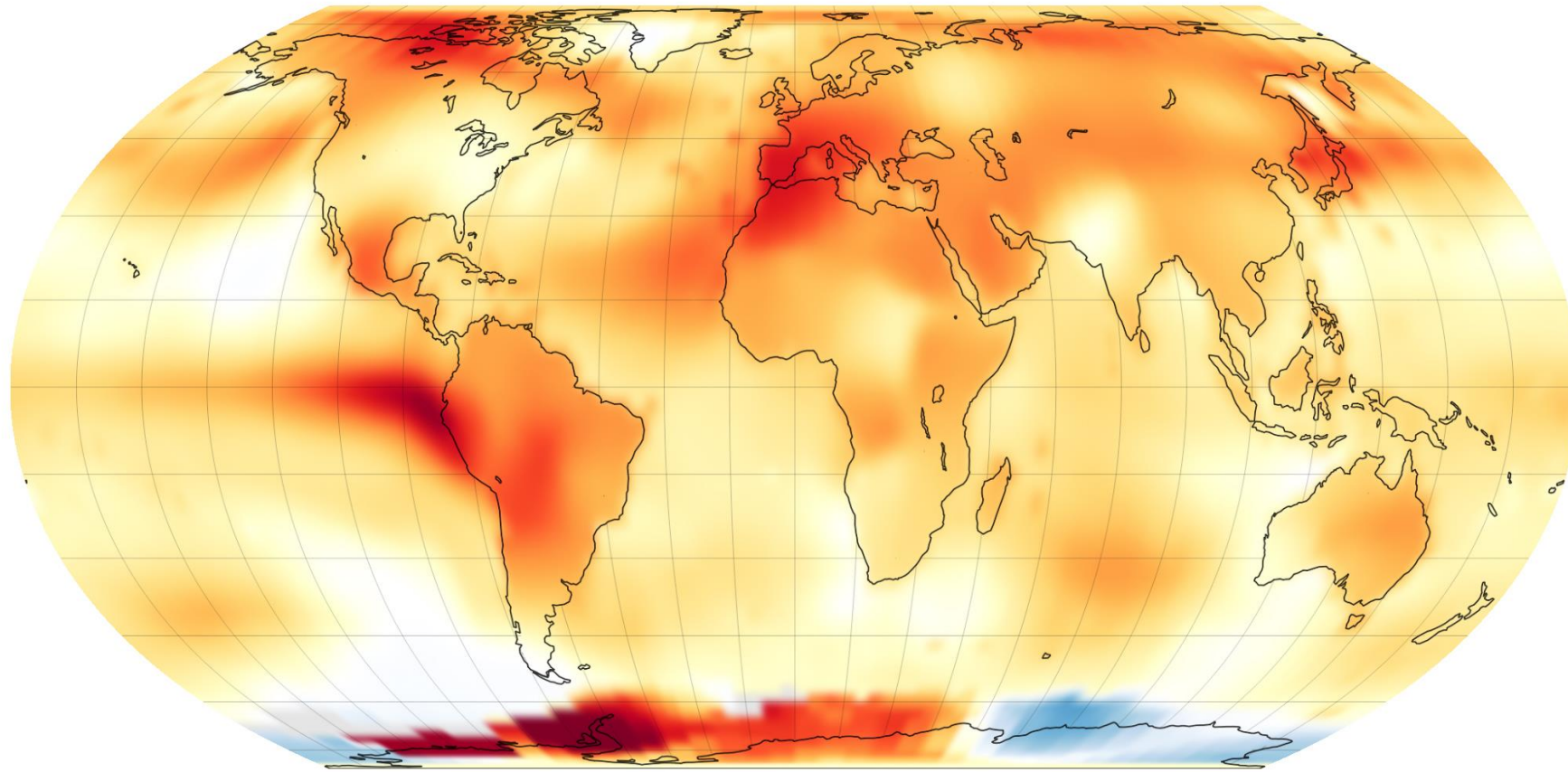
Climate Change is Happening Now



2017 Climate Science Special Report, Figure ES-3

Source: [Climate Change: Global Temperature | NOAA Climate.gov](https://www.noaa.gov/climate-change/global-temperature)

Summer 2023 Hottest on Record



June, July, and August Global Temperature Anomaly (°C compared to 1951-1980 average)



[Source: NASA Announces Summer 2023 Hottest on Record – Climate Change: Vital Signs of the Planet](#)

EPA's Climate Pollution Reduction Grant (CPRG) Planning Grant

Climate Pollution Reduction Grants

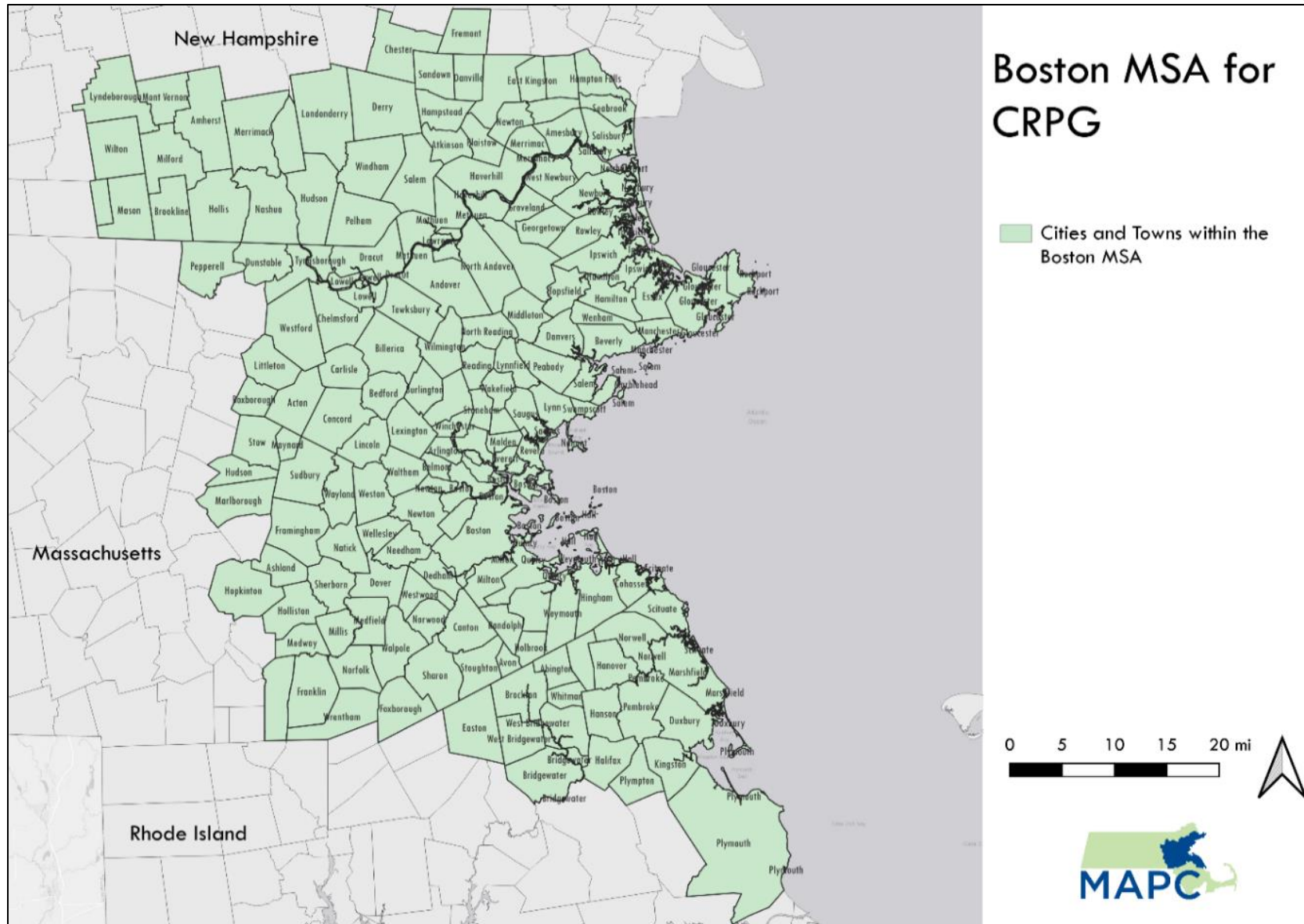
\$5 billion

from the Inflation Reduction Act to fund innovative projects that tackle climate pollution



Source: Environmental Protection Agency.

Boston Metro Statistical Area (MSA)



Boston MSA for
CRPG

— Cities and Towns within the
Boston MSA

- 2 States
- 7 RPAs/RPCs
- 167 municipalities
- 4.9 million residents

Greater Boston CAP Steering Committee



Northern
Middlesex Council
of Governments



OLD COLONY
PLANNING COUNCIL



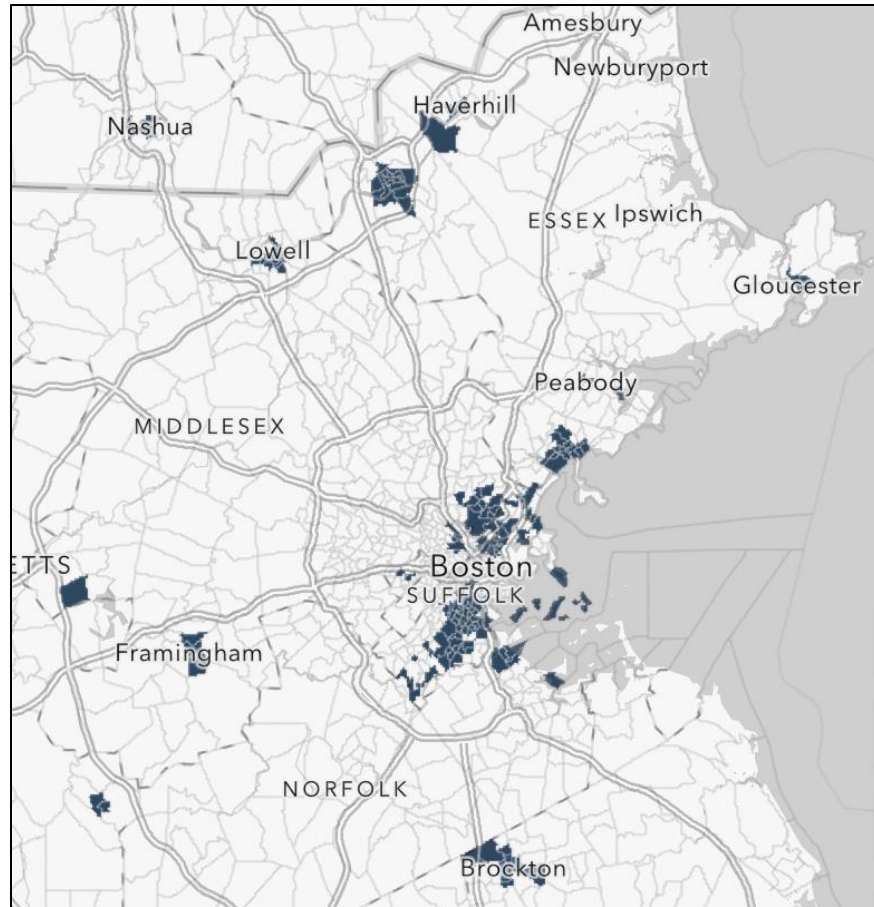
Merrimack Valley
Planning Commission



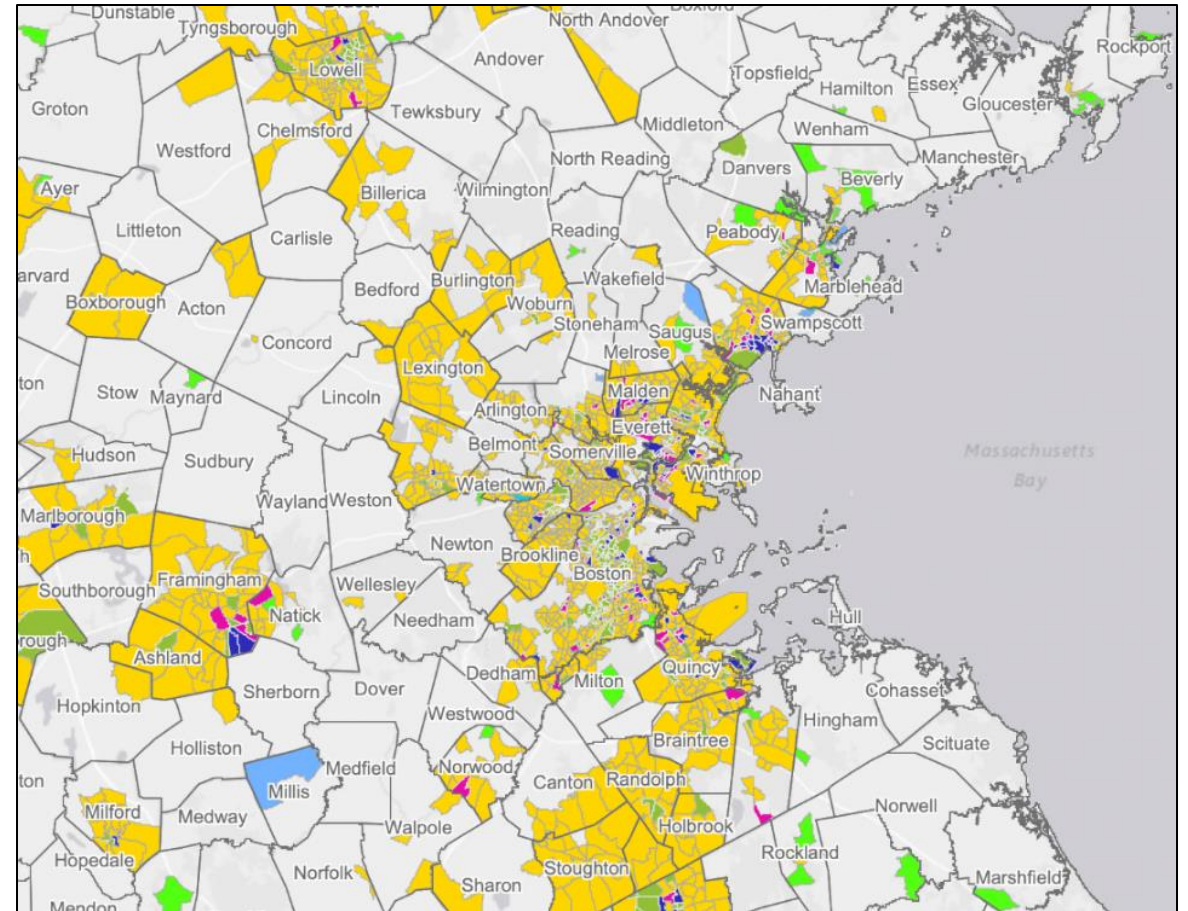
Southern New Hampshire
PLANNING COMMISSION



Focus on Benefits to Disadvantaged Communities in Region



Federally Identified Justice 40 Communities



MA Environmental Justice Designation

Project Milestones

Phase 1: Due March 1, 2024



Regional Greenhouse Gas Inventory

- Preliminary GHG inventory by sector
- Required for implementation grant



Priority Climate Action Plan (PCAP)

- 10-15 implementation-ready GHG reduction measures
- GHG reduction potential
- LIDAC benefits analysis

Phase 2: Due August 2025



Comprehensive Climate Action Plan (CCAP)

- All sectors
- Near- and long-term GHG reduction goals and strategies

What's Included in the Priority Climate Action Plan (PCAP)?

- ❑ 10-15 GHG Reduction Measures in Energy, Building, and Transportation sectors
- ❑ Low-Income and Disadvantaged Communities (LIDAC) benefits analysis
- ❑ Authority to implement analysis
- ❑ Required to be eligible for implementation grants



**Due to EPA
by March
1, 2024**

What's Included in the Comprehensive Climate Action Plan (PCAP)?

- ❑ + 20-30 GHG Reduction Measures across all sectors, including top municipal-level actions
- ❑ Full benefits analysis
- ❑ Authority to implement analysis
- ❑ Emissions reduction targets for 2030 and 2050



**Due to EPA by
August 28,
2025**

Stakeholder Engagement



Municipal Advisory Group: 25-30 municipal staff from across the region

- Advise on development & prioritization of goals
- *Group is already formed***



Justice40 Advisory Group: 15 CBOs and nonprofits from across the region

- Advise on development & prioritization of goals
 - Focus on EJ and Justice40 organizations
- *Looking for members***

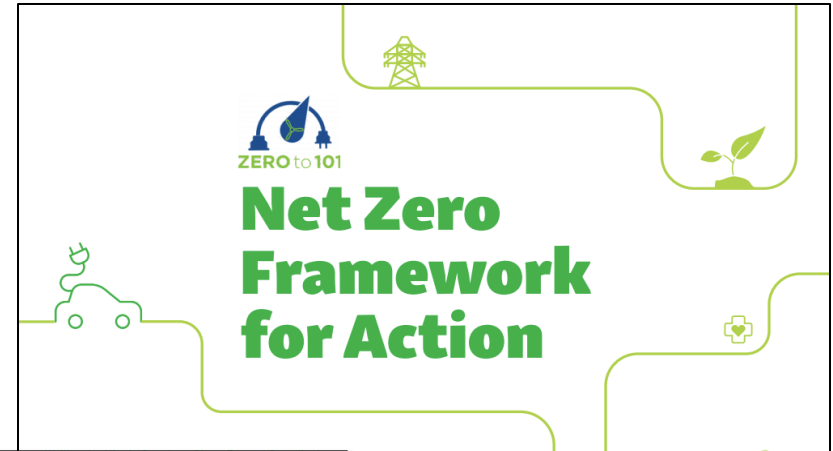


All community members in the region

- Municipal staff/board members, non-profits, CBOs, researchers, and general public
- Opportunities to engage in PCAP and CCAP

How does the regional plan relate to existing climate work? Why is it important?

- First region-wide climate action plan for Greater Boston!
- Builds upon existing plans, can inform future municipal-level plans.
- Regional strategies can address shared challenges.
- Opportunity to center equity and co-benefits.




Plan de acción de carbono cero de North Suffolk

Reducción de emisiones para una región más saludable

Involucrarse:
¡Queremos escuchar de ti! Necesitamos sus ideas, perspectivas y puntos de vista sobre cómo nuestras comunidades y ciudades pueden reducir la contaminación por carbono y trabajar hacia un futuro sostenible.

Maneras de involucrarse:
• Asistir a un evento
• Suscríbete a nuestro boletín informativo
• Visite nuestro sitio web

Escanee el código QR para inscribirse para obtener más información:



¡Chelsea, Winthrop y Revere están reduciendo las emisiones de carbono y queremos saber de usted!


Todos usamos **energía** para calentar y enfriar nuestros hogares, alimentar nuestros dispositivos electrónicos y conducir nuestros automóviles. Muchas de estas fuentes de energía utilizan **combustibles fósiles**, que emiten **gases de efecto invernadero** como el dióxido de carbono (CO2) en el aire. Esta forma de contaminación afecta a nuestras comunidades y al mundo, y provoca más **días de calor extremo**, cambios en las **precipitaciones**, **tormentas más severas e inundaciones**.

La creación de un plan de acción de carbono cero puede ayudar a:

- Ahorre en costos y uso de energía.
- Hacer que nuestras comunidades sean más seguras y fáciles para caminar y andar en bicicleta.
- Mejorar el aire que respiramos reduciendo los combustibles fósiles sucios.
- Reducir la contaminación en nuestros ríos, corrientes, y aguas.


NSORS es una asociación establecida entre la ciudad de Chelsea, la ciudad de Revere y la ciudad de Winthrop. La Oficina desarrolla proyectos y programas para garantizar que estas ciudades sobrevivan y prosperen en un clima cambiante.

NORTH SUFFOLK OFFICE of RESILIENCE & SUSTAINABILITY



THE TOWN OF LINCOLN MASSACHUSETTS

2023 Comprehensive Climate Action Plan



Cadman Community Farm, Town of Lincoln, MA. Photo credit: Michele Grassano

Priority Climate Action Plan Timeline



Current Work

Compile strategies and actions in municipal Climate Action Plans within the region and gather ideas during listening session

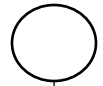


Develop regional GHG inventory

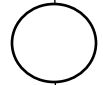
- Our technical consultant is gathering data sources to create a regional inventory of greenhouse emissions from the transportation, energy, and building sectors.



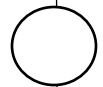
Upcoming Work



Finalize GHG inventory.



Guided by Advisory Groups, prioritize 10-15 measures to include in the priority climate action plan.



For each priority measure, calculate GHG reduction benefit and distribution of benefits to environmental justice and Justice40 communities



CPRG Implementation Grants

- ✓ \$4.3 billion in competitive grant funding
- ✓ Notice of Intent DUE FEB 1, 2024
- ✓ Application DUE APRIL 1, 2024
- ✓ MUST align with priority GHG reduction measures in either the Greater Boston or State's Priority Climate Action Plan developed under the planning grant
- ✓ Contact: Jeremy Koo, JKoo@Mapc.org

Q&A

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Breakout Group Discussions

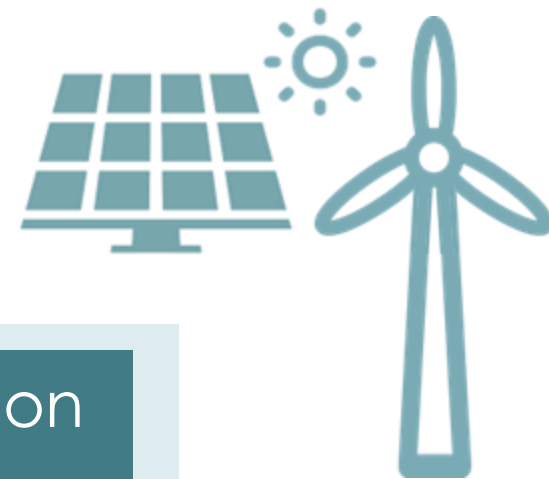
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What do we mean by a **GHG reduction measure**?

A **strategy, program, policy, or project** that **groups of municipalities** and/or a **regional entity** can implement to **reduce GHG emissions** and **advance equity** priorities, such as improving public health and reducing energy, housing, and transportation cost burdens on low- and moderate-income households and EJ communities.

Energy



Sub-Sectors

Electricity Generation

GHG Reduction Solutions

Procure 100% renewable energy

Community solar

Offshore wind

Distributed Energy Resources (DER)

Municipal Aggregation

Electricity Transmission & Distribution

Grid modernization

Smart meters/AMI

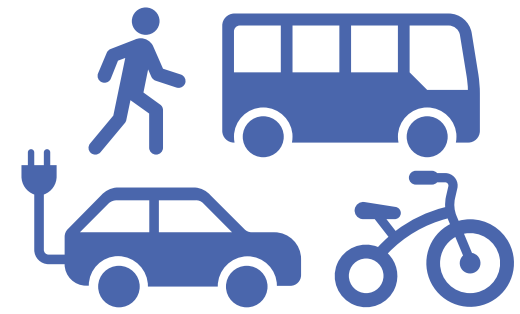
Rate design

Utility-scale Energy Storage

Non-Wires Alternatives (NWA)

Improve reliability/resilience

Transportation



Sub-Sectors

Public Transit

Municipal & Personal Vehicles

Micro-Mobility

GHG Reduction Solutions

Electrify buses and trains

High-density, mixed-use development near public transit

Dedicated bus lanes

Expand transit network

Improve reliability and frequency

Build public charging stations

Incentives for EVs

Electrify municipal and school bus fleets

Streamline EVSE permitting process

Car-sharing and carpool programs

Congestion pricing

Safe, accessible, connected bike lanes and sidewalks

Bike-share and e-mobility programs

Complete Streets

Lower speed limits /traffic calming measures

Micro-mobility maps

Buildings



Sub-Sectors

Energy Efficiency

GHG Reduction Solutions

Financing/Incentive/Rebate programs for energy efficiency technologies

Educational/Technical Assistance Programs

Building Performance Standards

Demand response programs

Electrification

Financing/Incentive/Rebate programs for heat pumps, induction stoves, on-site renewable energy, etc.

Educational/Technical Assistance Programs

Restrict new fossil fuel infrastructure

EV-ready and Solar-ready requirements

Discussion Questions

1. What are you currently working on or planning to work on in the next 5 years?
2. What challenges have you faced or do you anticipate facing related to this sector and relevant stakeholders?
3. In addition to reducing GHG emissions, what are your/your communities' other priorities? In other words, what "co-benefits" are you prioritizing? (For example: public health benefits of GHG reduction measures or reduced energy bills resulting from GHG reduction measures)? How would you think about measuring these "co-benefits"?

Breakout Rooms Instructions

- Facilitated breakouts for ~ 40 mins
- ~10 mins on each sector and 8 mins on prioritization
- Take notes in Jamboard
- Report backs to full group

Report Backs

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Wrap Up

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Next Steps

- **Stay in Touch!**
 - Visit our website: <https://www.mapc.org/resource-library/metro-boston-regional-climate-action-plan/>
 - Sign up for our newsletter: <https://lp.constantcontactpages.com/sl/t6ZcC5Z>
 - Reach out to us at cprg@mapc.org
- **Advisory Group Meetings**
- **Winter Listening Session: Date TBD**



Justice40 Advisory Group

We are looking for non-profits and community-based organizations across Metro Boston/Eastern Massachusetts/Southern New Hampshire to join our Justice40 Advisory Group.

Justice40 Advisory Group members will:

- Meet 7 times during the planning process, **3 times during the Priority Climate Action Plan** (November 2023-March 2024) and 4 times during the Comprehensive Climate Action Plan (April 2024-August 2025). All meetings will be virtual.
- Provide input and feedback on strategies and actions in the plan.
- Provide support in reaching out to stakeholders and community members for listening sessions, focus groups, and workshops associated with the planning process.
- Fill out an online prioritization survey in the fall/winter.

If you are interested and able to participate in the Justice 40 Advisory Group please fill out our Advisory Group Interest Form below by Friday, December 1, at 11:59pm ET.

<https://mapc.ma/justice-40-advisory-group>





Justice40 Advisory Group

We are looking for CBOs and non-profits that work with community members in Justice40 communities including the following. We also recognize that many communities have environmental justice populations and encourage you to apply if you believe your organization is a good fit.

- Haverhill
- Lawrence
- Methuen
- Boston
- Chelsea
- Everett
- Framingham
- Gloucester
- Lynn
- Malden
- Marlborough
- Medford
- Milford
- Peabody
- Quincy
- Revere
- Salem
- Somerville
- Stoughton
- Nashua
- Lowell
- Brockton

Thank You!

crpg@mapc.org

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