

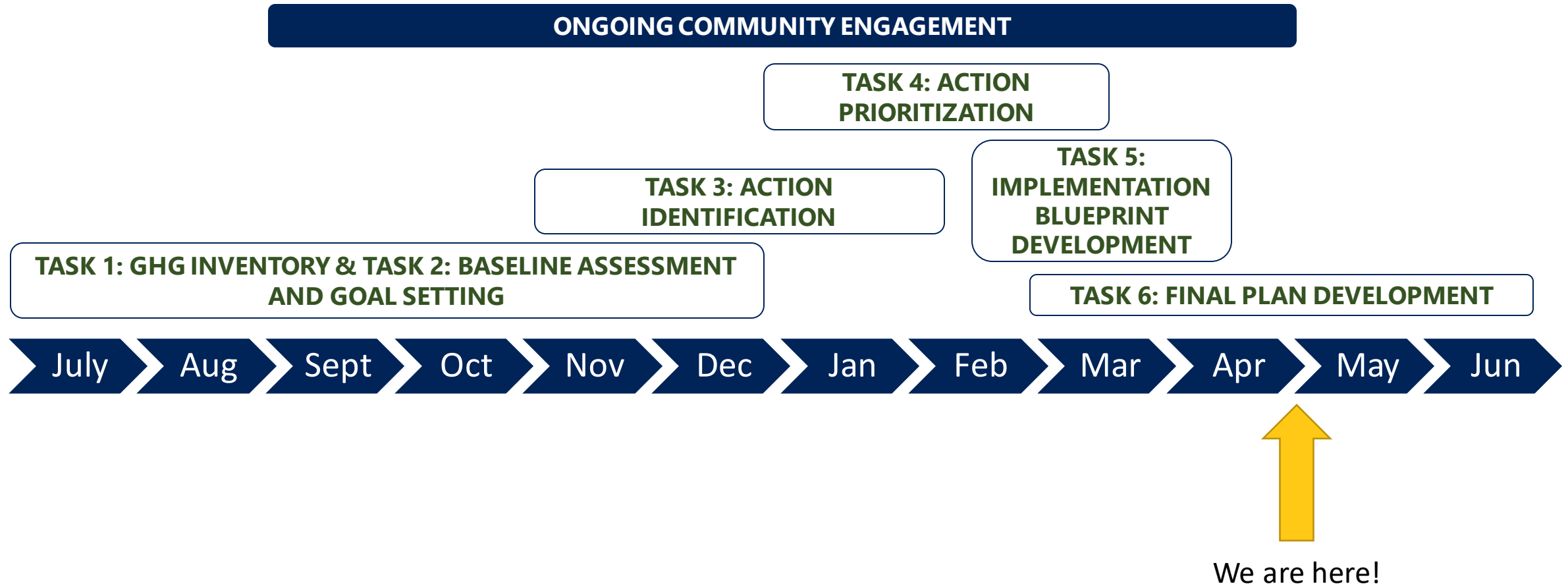


**RESILIENT**  
TOGETHER  
OUR BRIDGE TO A STRONGER TOMORROW

**SERC Presentation**  
**April 28, 2021**



# Overview of Planning Process



# Ways to get involved with *Resilient Together*

- Browse our website for info & resources – <https://resilient-together.org/>
  - Sign up for our monthly newsletter for more info – click "Contact Us" on top right
- Engage with us on Social Media
  - Facebook: "Resilient Together: Beverly & Salem Climate Action Plan"
  - Instagram: @resilient\_together\_
  - Twitter: @ResilientTgthr
- Contact us!
  - Salem Contact: Esmeralda Bisono – [ebisono@salem.com](mailto:ebisono@salem.com)
  - Beverly Contact: Erina Keefe – [ekeefe@beverlyma.gov](mailto:ekeefe@beverlyma.gov)

# Plan Elements

Resilient Together focuses on 7 key plan elements. Each element represents a key area of the community that needs to be considered as it relates to climate change impacts.



## Buildings and Development

Encouraging the shift towards resilient and efficient buildings in both development and redevelopment that are healthier and more affordable to own and operate.



## Energy

Creating policies and programs that foster smart, reliable, efficient, clean energy generation - transmission and consumption.



## Infrastructure

Enhancing Beverly and Salem's green infrastructure, stormwater management, and wastewater treatment facilities to foster resilience against the impacts of climate change.

## Natural Resources

Preserving and enhancing the health of our biodiversity, tree canopy, water quality, and open spaces; leverage natural assets for climate protection.



## Public Health and Safety

Preparing our communities for emergencies while also improving air quality, access to health care and wellness programs, and local healthy foods.



## Mobility

Creating a safe, connected, and accessible multi-modal transportation system that prioritizes low-carbon mobility, promotes active, healthy lifestyles and seeks to reduce greenhouse gas emissions.



## Solid Waste

Promoting processes that encourage both recycling and composting while educating the community on consumption practices.



# REVIEW ACTIONS FOR 2 PLAN ELEMENTS:

**1. BUILDINGS & DEVELOPMENT**

**2. ENERGY**

---

Questions to keep in mind while reviewing:

1. Priority: High, Medium, or Low? High priority actions will be taken on first.
2. Which ones are Salem already working on?
3. Which ones can be combined or done simultaneously?
4. Potential partners?

## ACTIONS: Buildings & Development

- 1. Establish incentives for developers for net zero construction.**
- 2. Develop energy performance and electrification standards for new construction and major renovations to encourage buildings make progress toward net zero carbon emissions.**
- 3. Establish requirements for new commercial and multi-family residential properties to include electric vehicle charging infrastructure, eco-roofs, and bike-ped amenities.**

An eco-roof policy will require the integration of solar-installed or solar-ready roofs, green roofs, or white roofs, which will promote a range of benefits from reducing carbon emissions to mitigating urban heat islands and stormwater runoff.
- 4. Provide municipal feedback and foster an advocacy network to inform the development/adoption of a net zero energy building code.**

The building energy code is a critical tool in making advancements toward net zero and net zero-ready new buildings, but in Massachusetts, the base code and stretch code amendments are established at the state level. The Cities will play their part in adopting the zero-energy stretch code that improves occupant health, cuts carbon emissions, and makes buildings more operationally efficient.
- 5. Host or promote trainings and collaborative learning for building industry partners to support energy efficiency and decarbonization practices.**

## **ACTIONS: Buildings & Development**

- 6. Establish overlay zoning district(s) that establish minimum flood resilience design standards for new construction and existing buildings.**
- 7. Assess public buildings for potential to introduce energy efficiency upgrades and renewables, as well as for climate change vulnerabilities and resilience improvements.**
- 8. Commission a vulnerability and resilience assessment of historic resources.**
- 9. Promote upgrades in historic buildings that are energy efficient and compatible with historic fabric.**
- 10. Develop a public education and outreach program about flood risks, flood protection strategies, Community Rating System, and flood insurance, including the National Flood Insurance Program (NFIP) and Risk Rating 2.0 updates.**

## **ACTIONS: Energy**

- 1. Identify potential locations for district-scale geothermal microgrids and encourage this practice for large developments.**
- 2. Develop an education campaign for local businesses on opportunities for energy demand reduction, such as demand response programs and other utility incentives. This education campaign could shift focuses, as needed, over time.**
- 3. Promote residential renewable energy (inclusive of wind, solar, solar hot water, and geothermal technologies), electrification, and energy efficiency, facilitating participation in state and utility program offerings such as MassSave, MassCEC, National Grid, and PACE.**
- 4. Host existing and establish new training programs for businesses and homeowners on renewable energy and energy storage options.**
- 5. Incorporate clean energy education and climate change education into the school curriculum.**



## **ACTIONS: Energy**

- 6. Promote clean alternatives to electrification for difficult-to-electrify properties.**
- 7. Evaluate critical municipal facilities to increase energy efficiency and redundancy, exploring opportunities for cleaner and more secure back-up power options, as technologically feasible.**
- 8. Advocate for large-scale offshore wind projects and explore feasibility of Cities as anchor institutions for State projects.**
- 9. Establish progressively higher percentage requirements for New England region renewable energy projects for standard option community choice aggregation (CCA) programs and promote "plus" options for 100% regional renewable energy.**
- 10. Coordinate with local institutions to provide vocational training programs for clean energy careers.**

# NEXT STEPS

---

The final plan will be released for **public comment period from June 3<sup>rd</sup> to June 16<sup>th</sup>**. We will share to SERC for their comments and would love help in spreading the word for public review.



**RESILIENT**  
T O G E T H E R  
OUR BRIDGE TO A STRONGER TOMORROW

Thank you!

