



PRESENTED JANUARY 2020

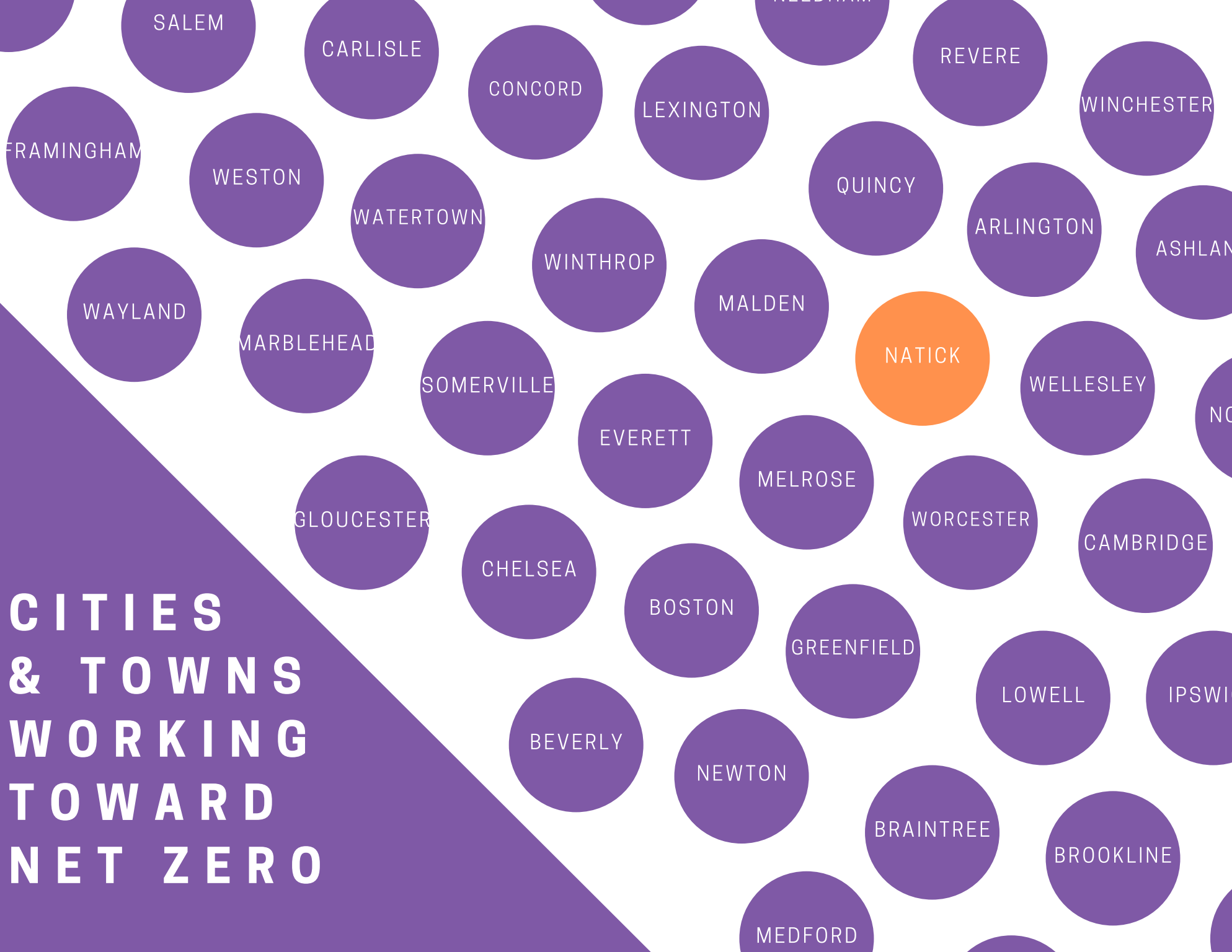
# 2018 FALL TOWN MEETING NON-BINDING RESOLUTION

---

*Eliminate or offset all of the  
greenhouse gas emissions that  
originate in Natick by 2050*

PASSED BY MAJORITY VOTE (88-12-3)

**CITIES  
& TOWNS  
WORKING  
TOWARD  
NET ZERO**



# CONTINUING OUR JOURNEY





# SHARED BENEFITS

---

## *Municipality*

- \$300,000 in energy savings/yr
- \$200,000 in solar revenue/yr
- \$400,000 in external funding/yr

## *Community*

- Safer, more resilient infrastructure
- Lower operating costs
- Cleaner air
- Improved health outcomes
- Decreased water consumption
- Equity for low-income residents
- More desirable place to live

# RESPONDING TO TOWN MEETING



*Eliminate or offset all of the greenhouse gas emissions that originate in Natick by 2050*

- Set 2050 Net Zero goal
- Establish a baseline estimate of community-wide emissions
- Develop a Net Zero Action Plan that outlines specific strategies and sets measurable, attainable and realistic interim targets for achieving the 2050 net zero goal
- Provide an annual progress report to Natick Town Meeting

# *net zero*

**Reducing**  
community-wide  
greenhouse gas  
emissions as  
much as possible






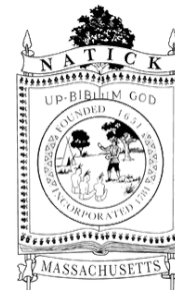
# 0

**Offsetting**  
remaining  
emissions by  
capturing and  
storing carbon



# ***What emissions "originate" in Natick?***

	Sector	Sub-sector	Energy types
	<b>STATIONARY ENERGY</b>	Residential Commercial Industrial Construction/landscaping	Natural Gas Electricity Heating fuel oil* Petroleum products*
	<b>TRANSPORT</b>	On-road vehicles Passenger railways	Gasoline Diesel Electricity
	<b>WASTE</b>	Solid waste Wastewater	Electricity



# EMISSIONS INVENTORY TOOL

- Establishes a 2017 emissions baseline for Natick
- Will include emissions from: Stationary Energy, Transportation, Waste
- Relies on new and existing publicly available data sets (e.g. MassSave, MBTA, RMV)
- Follows Global Protocol for Community-Scale GHG Emission Inventories
- Creates easy-to-use tool for all MA communities to use

# NET ZERO PLAN

- Identifies priority actions for Natick in sectors such as energy, transportation, waste, environment, public health, and land use.
- Assesses actions based on impact, feasibility, equity, Natick's role, etc.
- Establishes template for net zero planning
- Creates database of strategies to achieve GHG reduction goals

# NET ZERO PLAYBOOK

- Provides detailed instructions on how to implement priority actions
- May include guides on: clean energy supply, climate smart zoning, net zero buildings, mobility

# outreach



# PUBLIC INPUT

## COMMUNITY -WIDE SURVEYS

*January and June*

## EVENTS

Natick Days  
Earth Day

## FOCUS GROUPS

*March - April*

Low-income  
Seniors  
Parents with school-aged children  
Large and small businesses  
Youth

## WORKING W/ BOARDS

Select Board   Planning  
School Committee   Health  
Conservation   Fin Com   TAC

*Spring/Summer*

## TOWN MEETING

*Spring, Fall*

## COMMUNITY EVENTS

*June - August*

## PEGASUS SERIES

*June - October*

## NEWS- LETTER

*Ongoing*

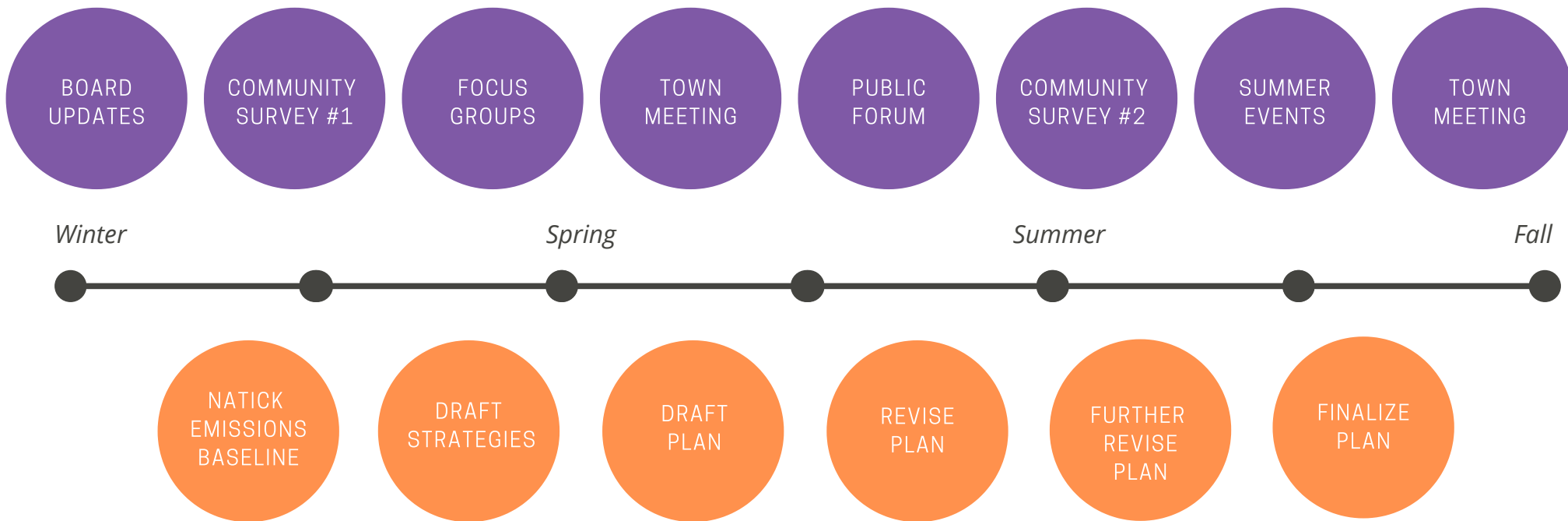
## POP UPS

Natick Nights  
Concerts  
Commuter Rail

## PUBLIC FORUM

*May*

# TIMELINE



# PARTNERING WITH YOU

**MONTHLY  
UPDATES**

**INPUT ON  
STRATEGIES**

**COMMUNITY  
ENGAGEMENT**

**& MORE**



Jillian Wilson Martin  
Sustainability Coordinator  
[jwmartin@natickma.org](mailto:jwmartin@natickma.org)