

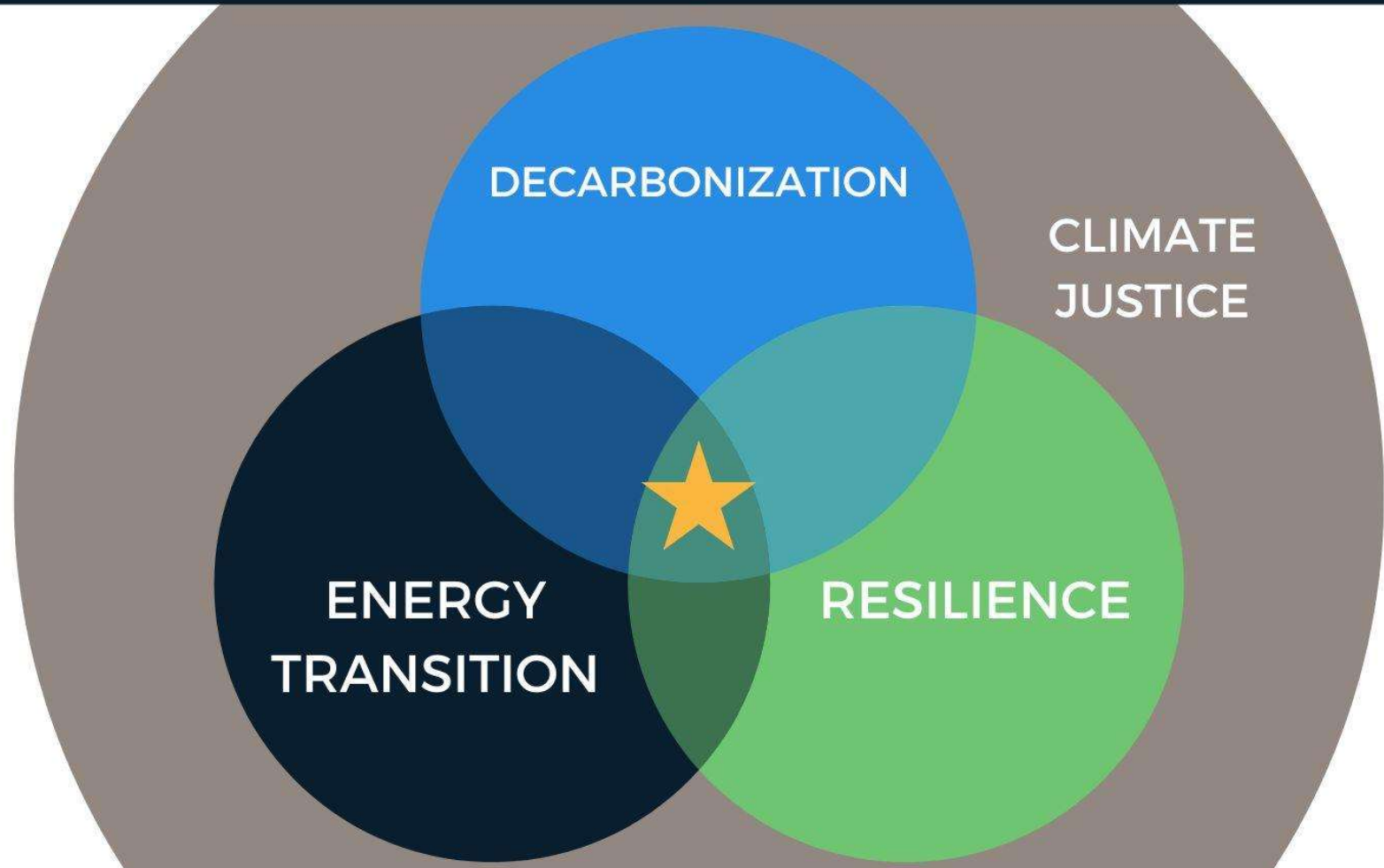


# ELECTRI SUMMER MEETING 7.15.24

*Brian Swett, Chief Climate Officer for the City of Boston*



# PRIORITIES OF CLIMATE ACTION



## ENERGY TRANSITION

## DECARBONIZATION

## RESILIENCE



### **DEMAND REDUCTION AND DECARBONIZATION**

- BERDO
- Net Zero Zoning
- Specialized Stretch Energy Code

### **GRID RESILIENCE**

- Working with the utilities to create a resilient energy grid
- Citywide distributed energy resource planning

### **CITY LEADERSHIP**

- Renew Boston Trust, MOH Retrofit program, BHA electrification initiative
- Geothermal Pilots - Franklin Field, JFK Elementary School
- Boston Community Choice Electricity
- Green jobs - PowerCorpsBos, NOAA grant



- **BERDO**
  - *Boston's Building Emissions Reduction and Disclosure Ordinance (BERDO) sets requirements for large existing buildings to reduce their greenhouse gas emissions over time and achieve net zero by 2050.*
- **Net Zero Zoning**
  - *New large buildings will be required to meet a net-zero emissions standard.*
- **Specialized Stretch Energy Code**
  - *The specialized code will result in most new buildings adhering to a highly efficient, all-electric standard.*



- **Creating a resilient energy grid**
  - *We need state and region-wide upgrade of our grid and an equitable, predictable transition away from fossil fuel infrastructure.*
- **Citywide distributed energy resource planning**
  - *\$750,000 from ARPA funds to develop a microgrid at the Mass Pike Towers affordable housing development in Chinatown.*



## CITY LEADING BY EXAMPLE



- **Renew Boston Trust** - conducts energy audits and invests in conservation upgrades for municipal buildings.
- **MOH Retrofit program** - provides up to \$50,000 per unit for deep energy retrofits for income-restricted buildings with 15 or more units in Boston.
- **BHA electrification initiative** - BHA is working towards carbon neutrality by 2030.



- **Geothermal Pilots** - BHA's Franklin Fields apartments will be the first networked geothermal pilot project in Boston. JFK Elementary is in the process of soil testing.
- **Green jobs** - PowerCorpsBos is the City of Boston's youth green jobs program. Boston was awarded \$9.8 million from NOAA to develop the workforce needed to enhance Boston's climate and coastal resilience.





## Renew Boston Trust: Accomplishments and Summary

	Phase 1	Phase 2	Phase 3
<b>Status</b>	Complete	Complete	Ongoing
<b>Cost</b>	\$9 million	\$21 million	\$66 million
<b>Annual Utility Savings</b>	\$613,000	\$415,000	\$1.3 million
<b>Number of Buildings</b>	14	31	11
<b>Annual Emissions Eliminated (metric tons CO<sub>2</sub>)</b>	1,300	1,000	1,400
<b>Example Energy Conservation Measures</b>	Lighting, boilers, solar arrays	Heat pumps, chiller replacements	Water conservation, air handling units, more solar arrays

- Ten solar arrays completed/in development (five on schools)
- Phase 3: first phase focused on schools
- MassSave incentives benefits to date: \$2.9 million





## GREEN NEW DEAL DASHBOARD

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- Boston's Green New Deal is putting into action projects, programs, and partnerships that make visible changes in our daily lives.
- The GND Dashboard features key indicators of progress the city and our residents can see and track.
- The topics on the dashboard include:
  - Building Decarbonization
  - Transportation
  - Clean Energy
  - Resilience & Nature
  - Workforce
  - Funding
- Dive into the data at [boston.gov/gnd](https://boston.gov/gnd)

**THANK YOU**

