





During the presentation, please post

your questions for the CELT Team

here and we will answer them during

the discussion time. Thank you!



CELT - the Clean Energy &
Environment Legacy Transition
Initiative - is a partnership
designed to support the efforts of
the Healey-Driscoll administration
to accelerate equitable
decarbonization across
Massachusetts cities & towns.





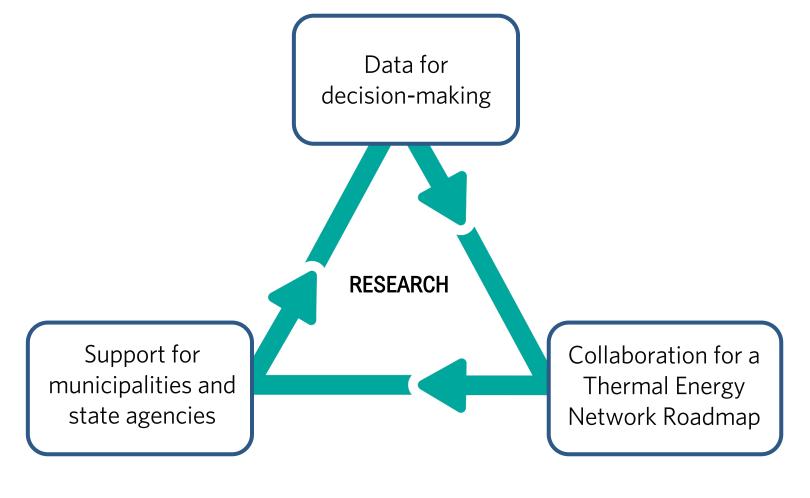








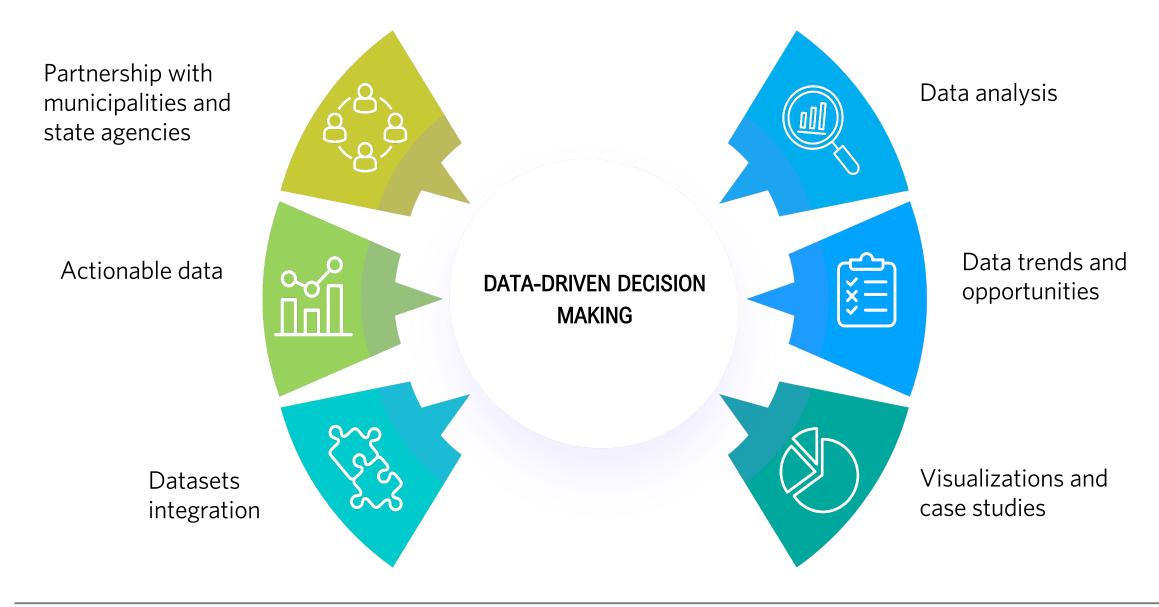
#### **CELT Has Three Areas of Work**

















### CELT's Data Work Is Based in Three Strategies

1

Innovative data
products to guide clean
energy decision-making
for state and local
audiences.

2

Support to state agencies with strategic data for the development and implementation of clean energy policies.

3

Support to municipalities in their clean energy solutions at the local level.







#### **CELT Has Two Data Products**

**Energy Transition Atlas** 

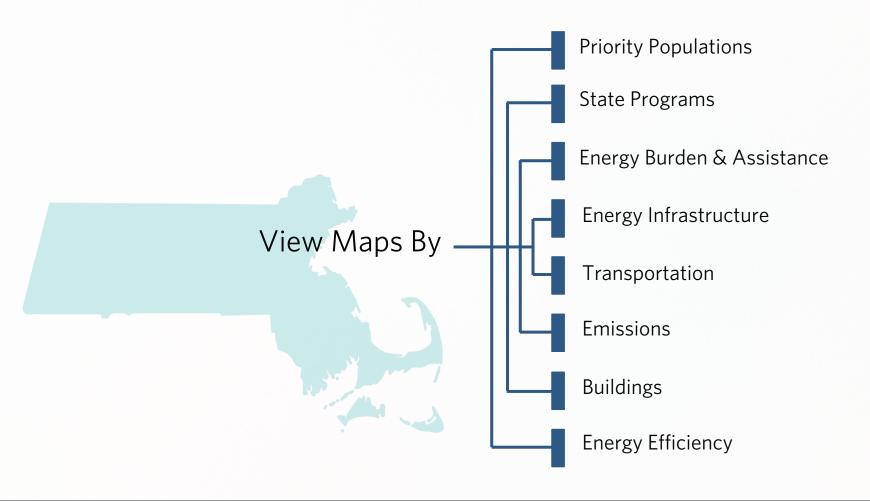
**Energy Explorer** 







#### The Atlas Includes Several Maps Organized into Different Categories

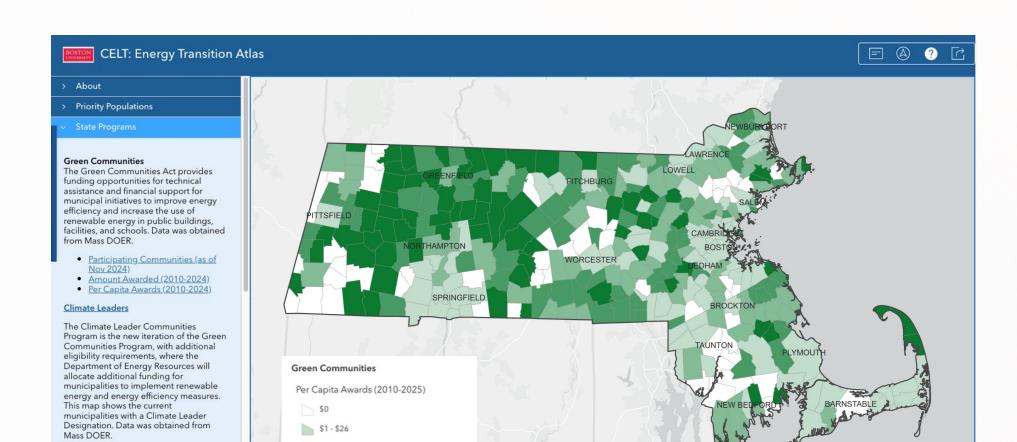












Try the Atlas!



#### **MBTA Categories**

zoning measures in municipalities near public transit to encourage middle housing development. This map shows

The MBTA Communities Law adapted

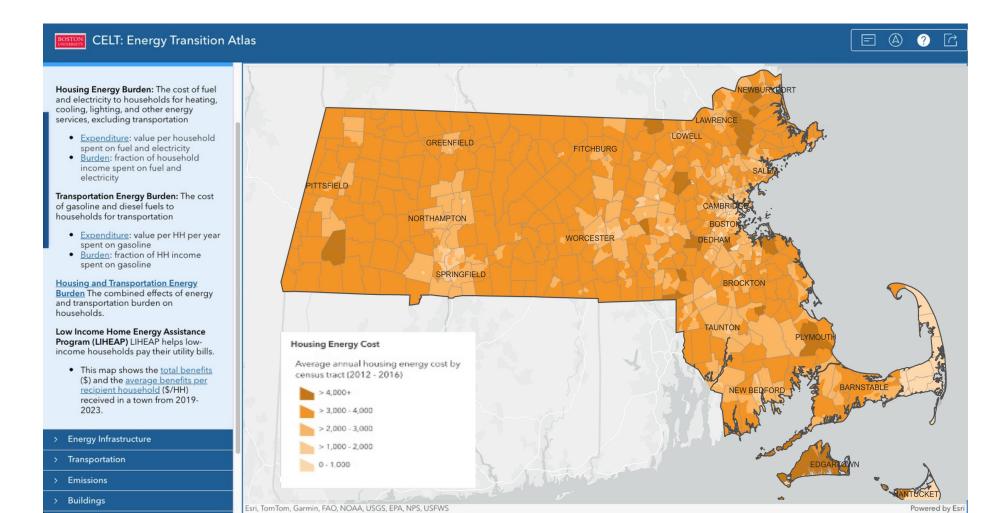




\$27 - \$57 \$58 - \$100

\$101 - \$2045



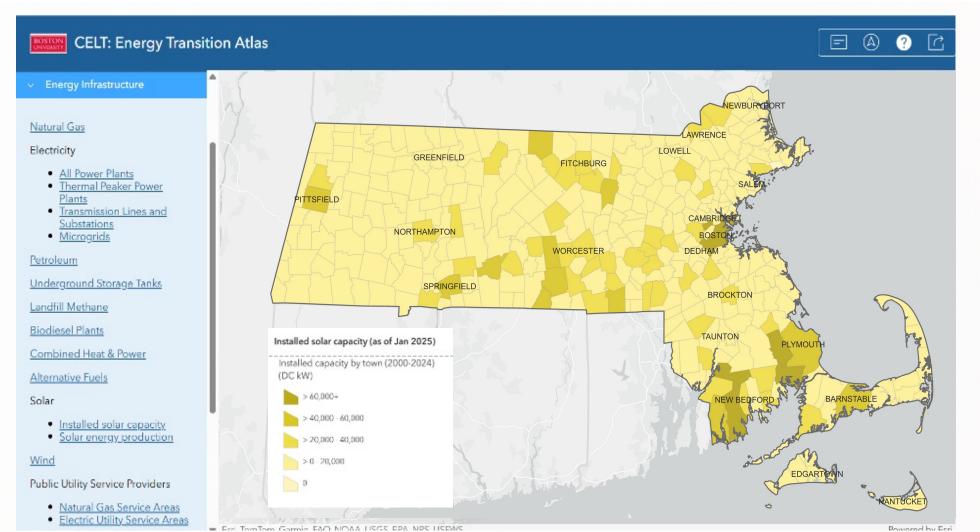










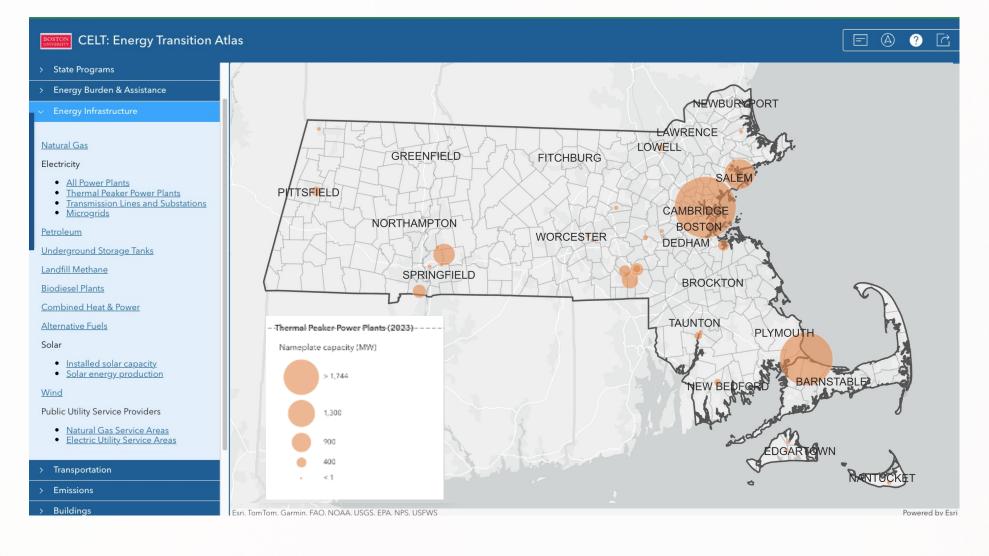










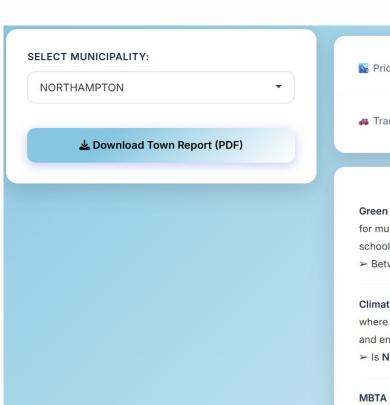


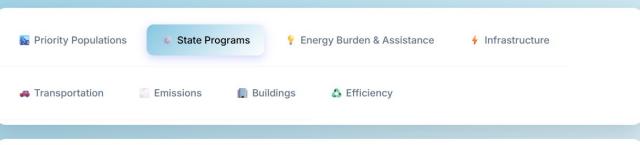












**Green Communities:** The Green Communities Act provides funding opportunities for technical assistance and financial support for municipal initiatives to improve energy efficiency and increase the use of renewable energy in public buildings, facilities, and schools. Is **NORTHAMPTON** a Green Community? []

➤ Between 2010–2024, \$ 1,594,381 in funding was awarded to NORTHAMPTON. This is \$ 54.37 per resident

Climate Leader Communities: The new iteration of the Green Communities Program, with additional eligibility requirements, where the Department of Energy Resources will allocate additional funding for municipalities to implement renewable energy and energy efficiency measures.

➤ Is NORTHAMPTON designated as a Climate Leader as of May 2025? [ Not Currently Designated ]

**MBTA Communities Law:** Adapted zoning measures in municipalities near public transit to encourage middle housing development.

➤ Is NORTHAMPTON designated as an MBTA Community? []

As-of-Right Siting: Municipalities that have adopted as-of-right siting allow renewable energy development without an additional approval process.

- ➤ Wind zoning policy (Sept 2023): [ No ]
- ➤ Solar zoning policy (Sept 2023): [ No ]









## **Energy Explorer**



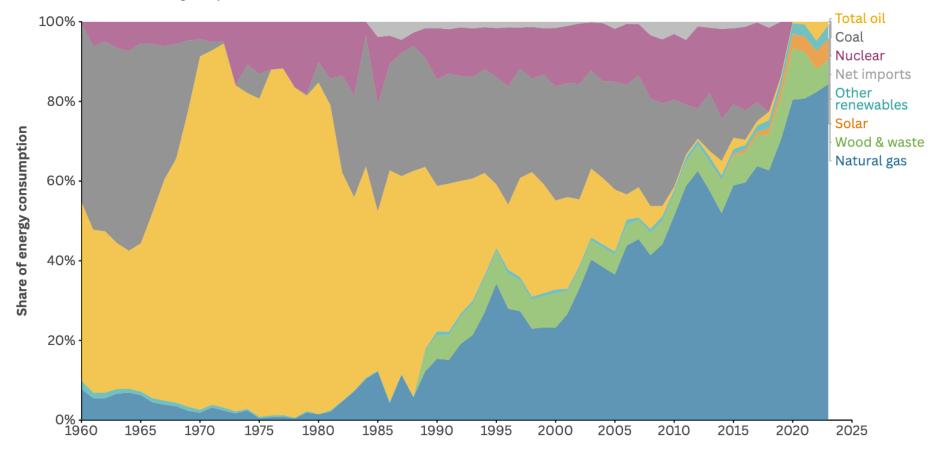






# Fuel shares of energy consumption for electricity generation in Massachusetts, 1960–2023

Other renewables are hydropower and wind



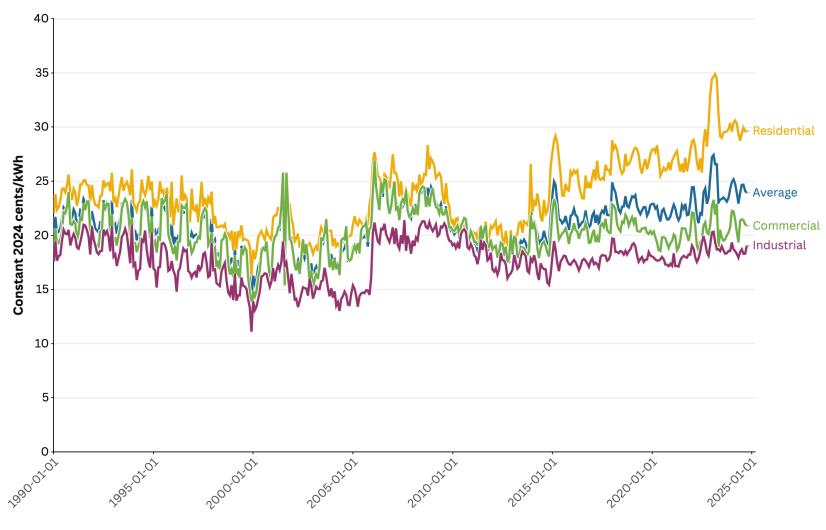
Source: U.S. Energy Information Administration
Boston University Institute for Global Sustainability | visualizingenergy.org | CC BY 4.0







#### Monthly electricity prices by end user in Massachusetts, 1990-2024



Source: U.S. Energy Information Administration; Federal Reserve Bank of St. Louis U.S. Energy Information Administration; Federal Reserve Bank of St. Louis







## LIHEAP average household benefits to Massachusetts municipalities, 2023

Average benefits \$892 \$1350 \$1954 Q Source: MA Executive Office of Housing and Livable Communities Boston University Institute for Global Sustainability | visualizingenergy.org | CC BY 4.0







**CELT Fellowship Programs** 









#### UMass Lowell leads two fellowship cohorts

#### Office of Energy Transformation

- 12-month placement
- Fellows contribute directly to OET's key initiatives and help shape the future of clean energy in Massachusetts

#### 

- 6-month placement opportunity
- Fellows assist municipalities or regional agencies throughout Massachusetts
- Various energy transition projects











### The 'Why' for municipalities



- An opportunity to receive dedicated support on energy transition projects where capacity or funding has been inadequate
- Designed to provide high-impact, flexible assistance
- At no cost to the municipality!
- UML handles the majority of training & Professional Development as well as any escalations
- Potential connections for future employment







#### Who can apply to be a fellow?

- Students at any level
- From any College or University
- Any area of study
- Must be in proximity to selected towns, as in-person or hybrid engagement may be required
- Fellows will:
  - Gain hands on experience with municipal leaders and stakeholders as well as in the energy transition sector
  - Expand network for future opportunities
  - Receive ongoing professional development
  - Play a crucial role in building the future of sustainable energy solutions









#### Who can apply to *host* a fellow and what is the process?



#### **Eligibility & Application**

Any town, city, or regional agency may apply using the form on our webpage. Applications should include:

- Projects needing support
- A point of contact for the fellow

#### **Timeline**

Applications are accepted year-round but reviewed during set periods. Fellowship Coordinator reviews submissions 2–3 months before fellowship start date and selects based on:

- Cohort size
- Location
- Green Communities input
- Proposed projects

#### **Employment**

Fellows are **part-time UML employees**. Coordinator manages hiring, HR, payroll, and related processes.

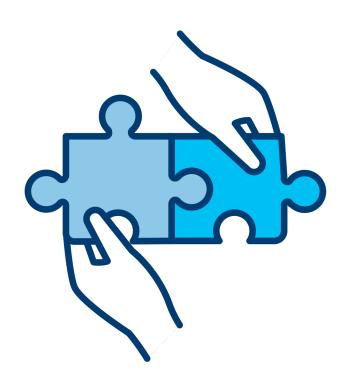






### Hiring & Matchmaking

- Coordinator conducts interviews students with the required location and background, matching candidates to entities based on:
  - Project scope & relevant experience
  - Skills & qualifications requested by host applicant
  - Ability to commute
- Once matches are finalized, host communities receive candidate details and confirm logistics
- Note: if a suitable match cannot be made based on these criteria, placement may not be possible during the current cycle.









### Training & Onboarding for Fellows



- Fellows receive a robust week-long training on a variety of topics facilitated by Fellowship Coordinator
  - Basics of program, job readiness, introduction to municipalities and MA goals
  - Specific trainings based on projects
    - Solar Development, community outreach, grant writing, etc.
- Will also receive ongoing monthly professional development and check ins
  - Based on needs and feedback from municipal POCs







### Cohort 2 – Begins January 2026



- Project examples from cohort 1
  - Collecting data for neighborhood scale electrification
  - Developing business recognition program
  - Supporting application to become Climate Leader
  - Implementation of NZAP
- We will have continued 6-month cohorts for the duration of the CELT initiative
  - Cohorts will grow as we scale the project
  - Cohort 1: 9 fellows, 6 municipalities, and 3 Agencies

Arlington	Ashfield	Athol
Berlin	Needham	NMCOG
Salem	Springfield Water & Sewer	Program Wide Admin

■ Hoping for 15 placements in cohort 2!







### Thank you!!

#### Contact us if you have any feedback or questions

#### **Data-driven decision making**



Access the CELT Energy
Transition Atlas here

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MACELT@uml.edu



And follow us on LinkedIn: https://www.linkedin.com/company/celt-massachusetts/



A recording of this session will be available the first week of December





