

Electric Sector Modernization Plan (ESMP)

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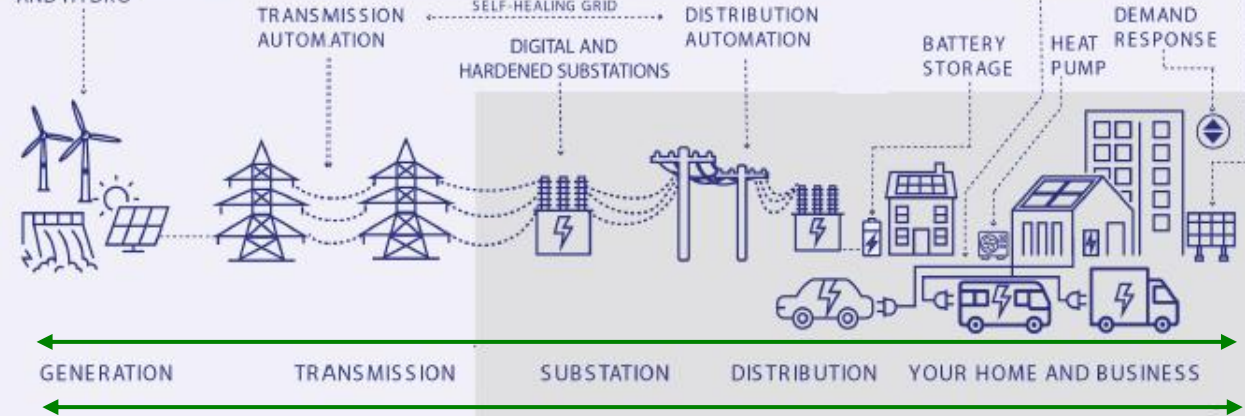
*A Comprehensive Roadmap to
Achieve Massachusetts' Clean Energy Goals*

Solving for Increased Electric Demand and Clean Energy Adoption



Tomorrow's Grid

INCREASED USE OF RENEWABLE GENERATION FROM WIND, SOLAR AND HYDRO



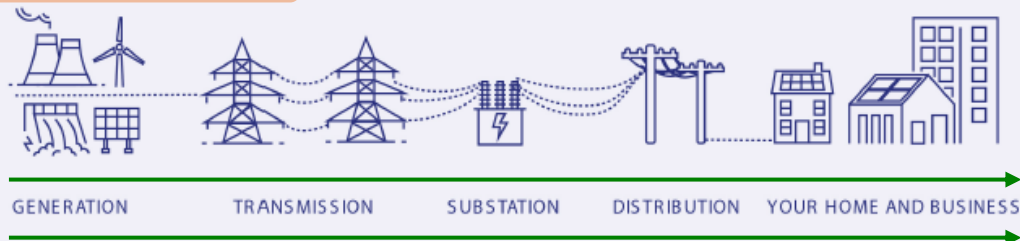
Meaningful Engagement

- ✓ Engage those potentially impacted by changes
- ✓ Empower communities to have a voice in energy decisions
- ✓ Promote transparency and trust in the process

Infrastructure Needed

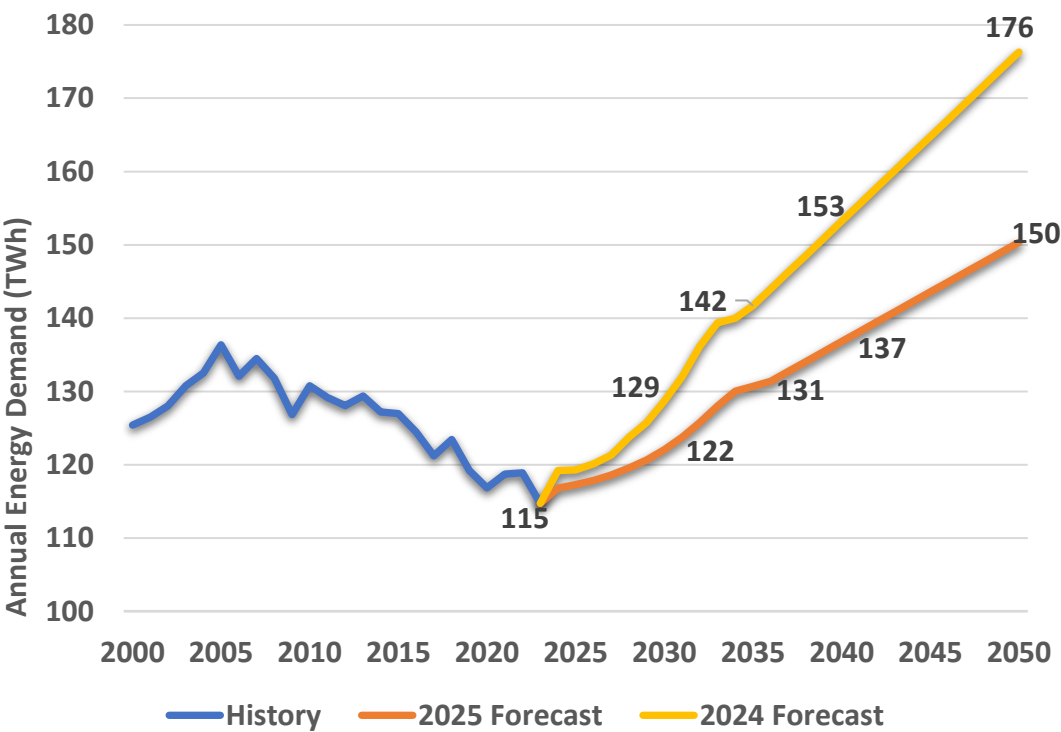
- ✓ Electric network buildout and upgrades
- ✓ Unprecedented pace and scale of development
- ✓ Collaboration with customers, communities, policymakers, etc.

Yesterday's Grid



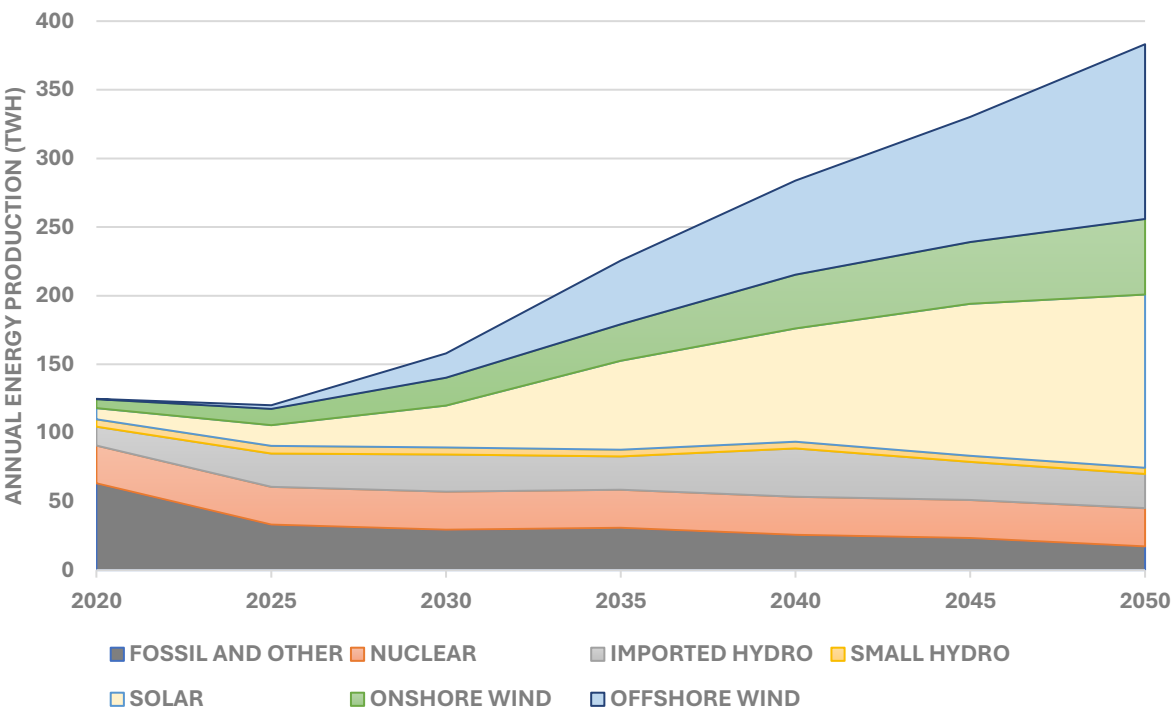
Electric Demand Continues to Grow

NEW ENGLAND ELECTRICITY DEMAND OUTLOOK



2,200 MWh/ year demand growth

POTENTIAL SUPPLY SCENARIO THAT MEETS NEW ENGLAND'S DECARBONIZATION POLICIES



Based on MA CECP

2,400 MW+ / year of new clean generation

There Are Increasing Opportunities for Eversource

EVERSOURCE

Reliability (Near-term)

ES Local and
ISO-NE Regional studies

Asset condition



Decarbonization (State Level)

Distributed Energy Resources

Electric Sector
Modernization Plan (ESMP)



Interconnecting Clean Energy and Targeted loads

Wind, Solar, Storage

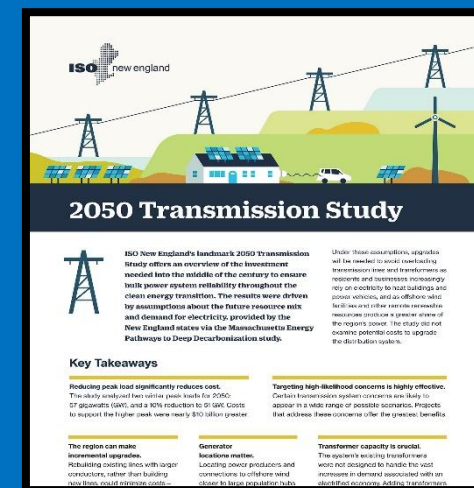
Large loads
(data centers, spot loads)



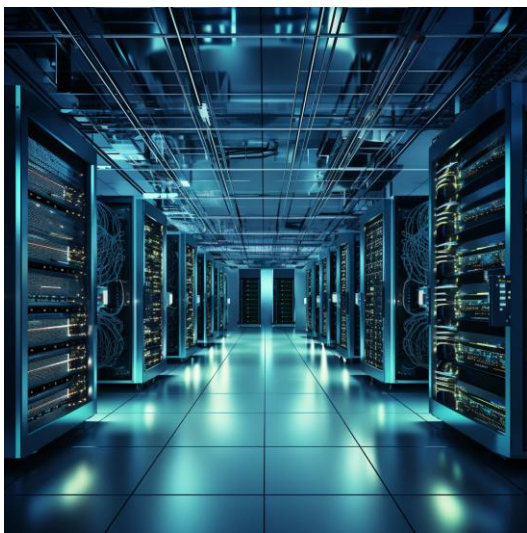
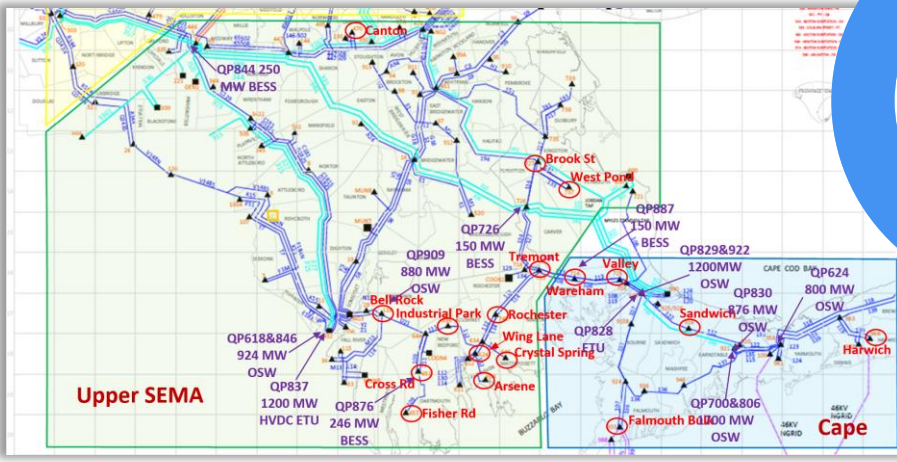
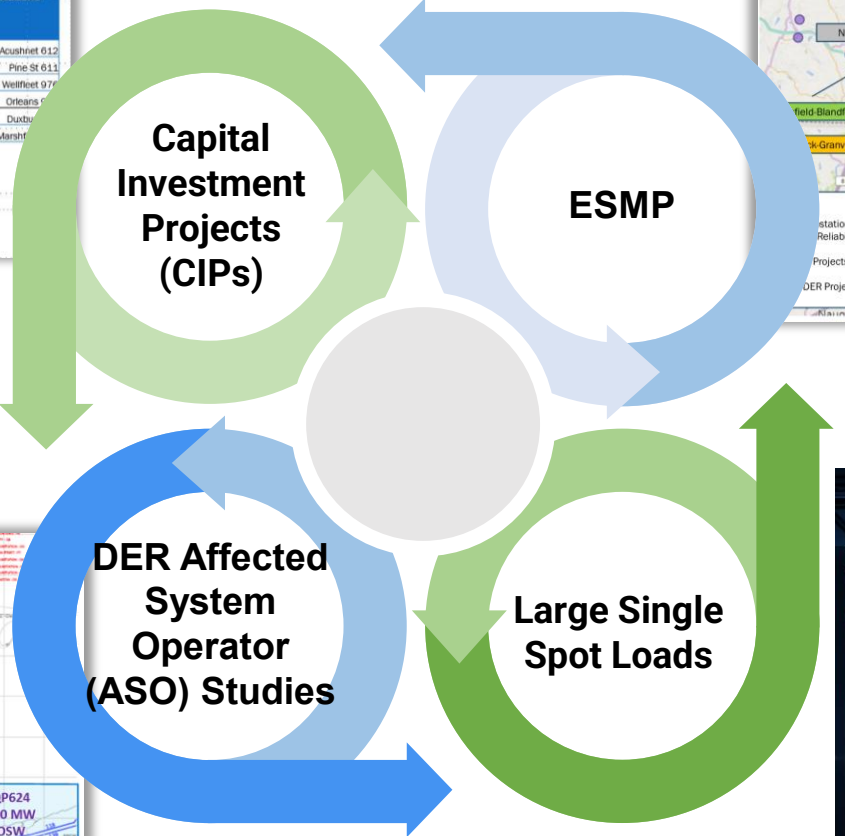
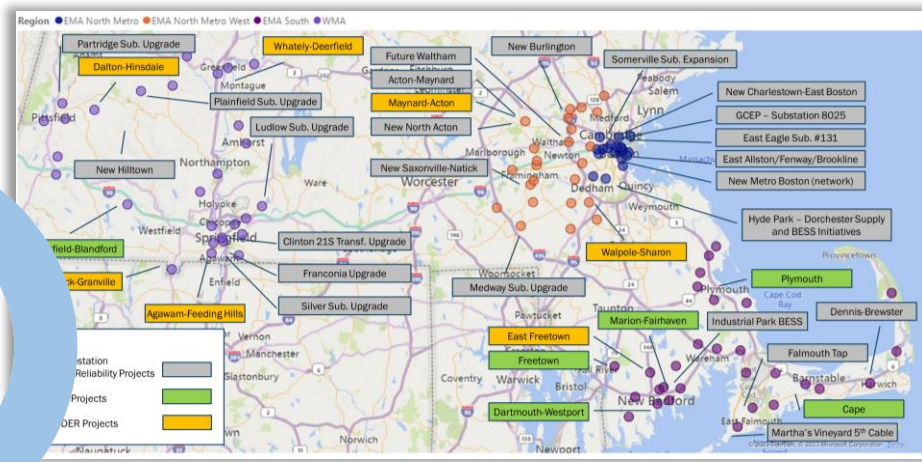
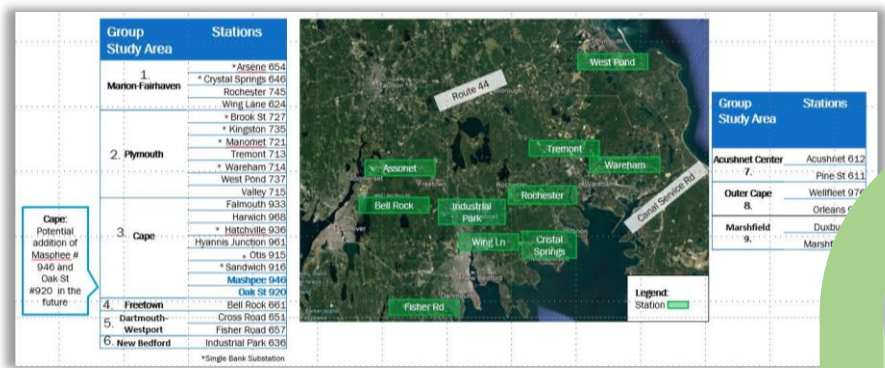
Competitive Transmission

Longer-term reliability,
economic and public policy

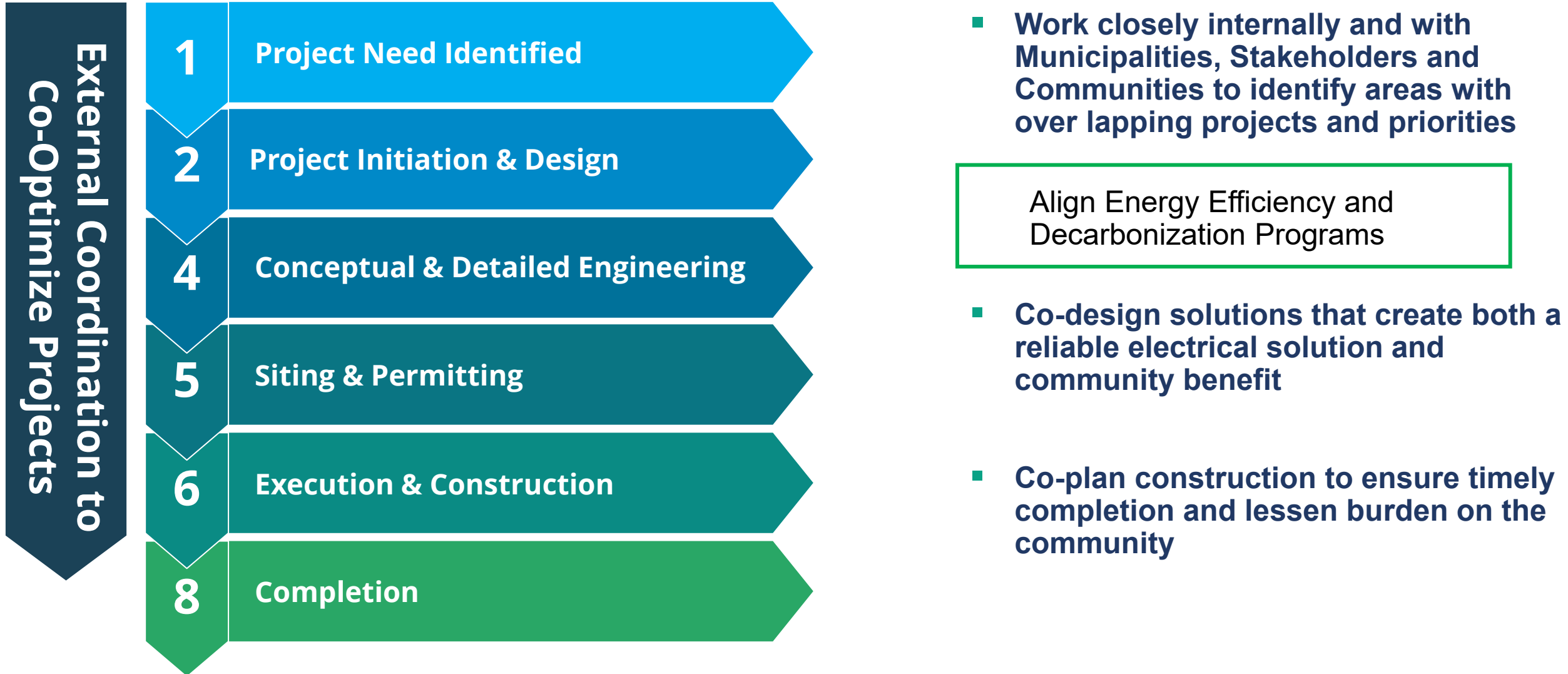
State/DOE funding



Distribution System Changes Increasingly Triggering Transmission Upgrades



Eversource and Community Project Co-Optimization

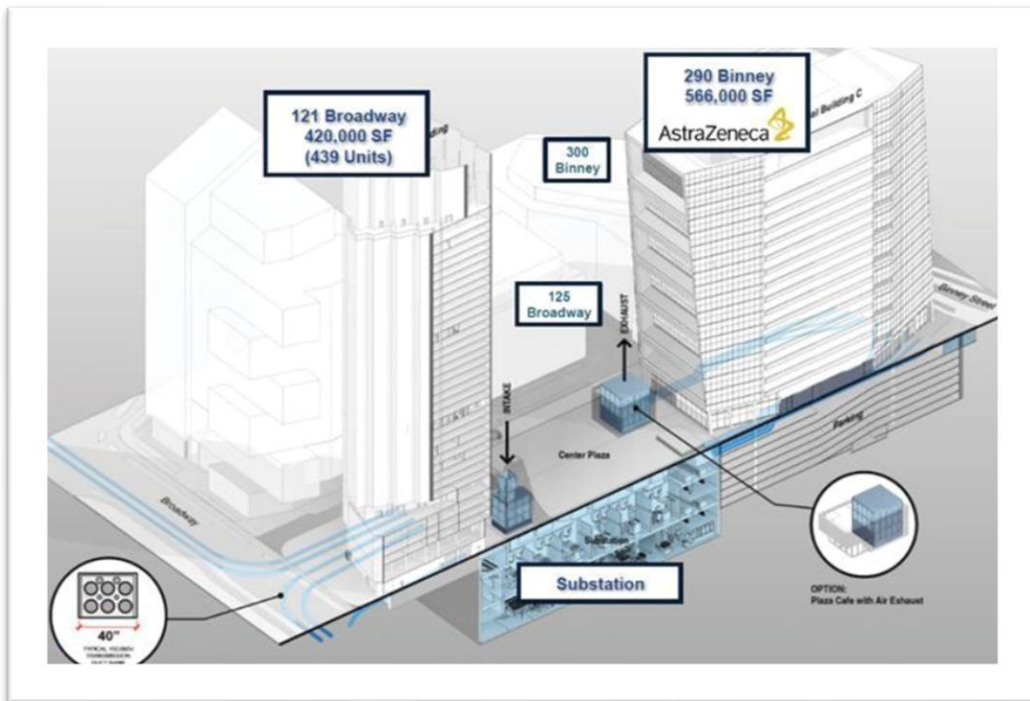


Greater Cambridge Energy Program: *BXP and Eversource Partnership*

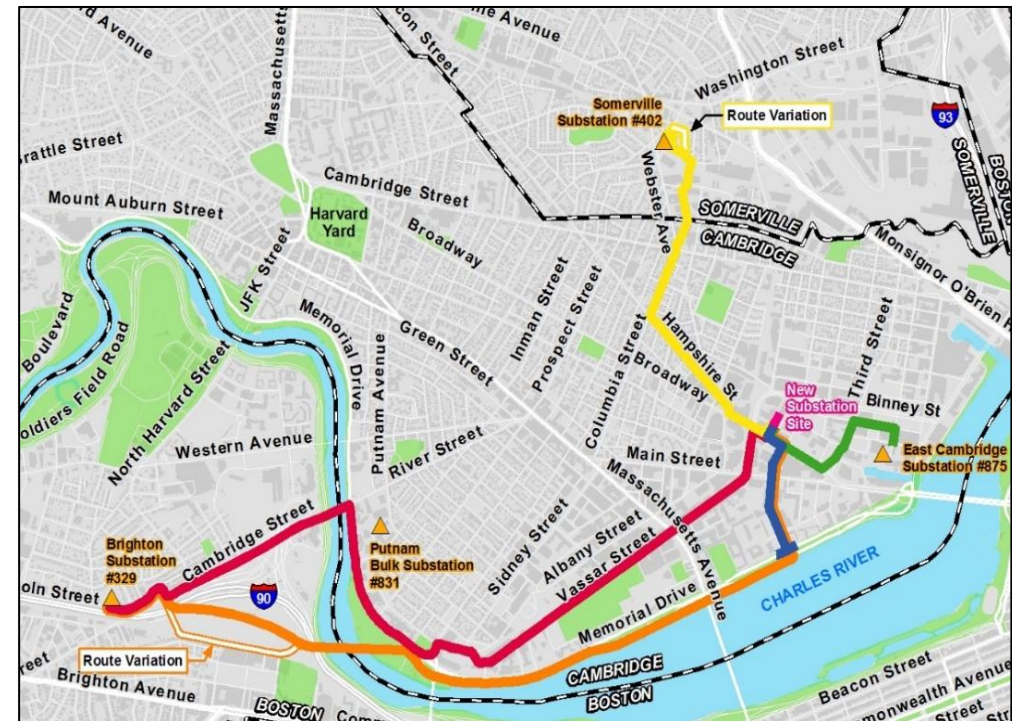
Unanimous approval received from the EFSB on June 20th, 2024

Secretary Tepper: "This is an extremely important project to the City of Cambridge and to the people that live there, and it is an innovative project that was very -- it took a lot of time and energy to get to where you are today. This was not a process that happened quickly. But the benefits of spending that time upfront was the hearing that you're having today"

Largest-in-the-U.S. underground substation in Kendall Square integrated into Boston Properties' Life Sciences Center



Eight new underground transmission lines spanning 8.3 miles through Cambridge, Somerville and Boston

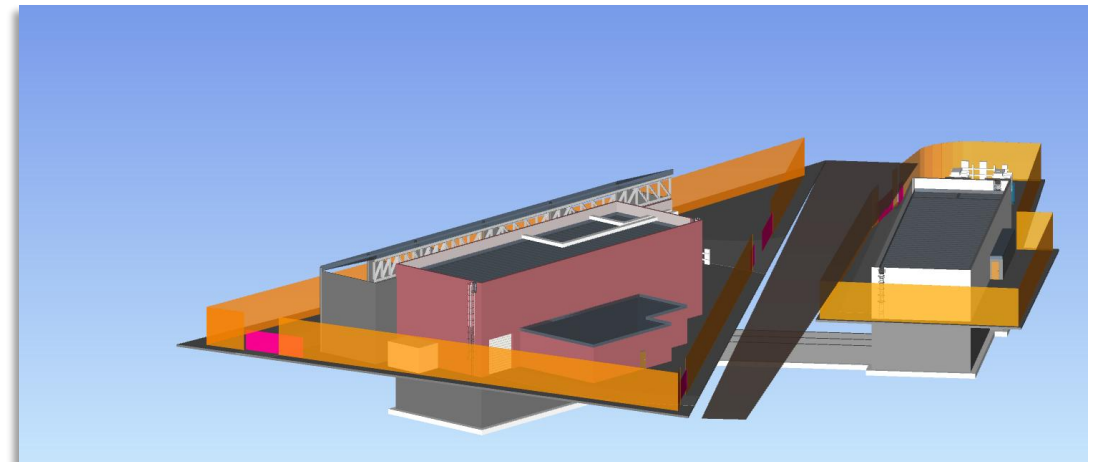


CHAIR VAN NOSTRAND: *It's fabulous that everybody got this together and made this happen, the contributions by Boston Properties, Inc. and the City. But it's not easily replicable.*

Station Design – Advancement Through Adoption of Technology



- **Critical tool for ESMP design and expedited schedule**
- Ability to complete *progressively more challenging designs* within an expedited schedule while maintaining the highest level of accuracy
- A 3D design can also accommodate instantaneous design changes that would not otherwise be possible with 2D execution without extensive time and unnecessary risk of missing an impacted drawing



Questions?