

MSBA

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New Buildings & Major Renovations

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A vertical rectangular area on the left side of the slide, filled with a green-tinted photograph of a forest. The trees are tall and thin, with their branches and leaves creating a dense canopy. The word 'Topics' is written in white, bold, sans-serif font across the middle of this area.

Topics

Policy Framework & Context

**Program Offerings and
Changes**

Policy Framework



How We Got Here



October 2021

Plan narrative

November 2021

Final plan submitted

December 2021

Formal hearing

January 2022

DPU order

April 2022 and beyond

Compliance filings

Through conversations with legislators, stakeholders, etc., **it is clear that the focus in energy efficiency going forward is GHG reduction**



Gov. Baker signs climate legislation
to reduce
GHG emissions,
protect environmental
justice communities



Law will
combat climate
change
while **growing the
economy**



The
Commonwealth of
Massachusetts
has set a goal to
reach **net-zero
emissions by 2050**

New Buildings & Major Renovations



New Building/Major Renovation Participation Pathways



Path 1	Path 2	Path 3	Path 4
Net Zero & Low EUI Buildings	Whole Building EUI Reduction	Whole Building Streamlined	Systems - Prescriptive and limited Custom
			

Whole Bldg. EUI-Based Paths

Whole Bldg. ECM-based Prescriptive/Custom

Misc. – fit outs, parking garages, cannabis

WE ARE MASS SAVE®:



Net Zero/Low EUI Buildings: Path 1

Performance-based offer

Engage early in design; participate through post occupancy

10,000 sf buildings and greater

Simplified Process

We publish target EUI ranges

Team sets an EUI target and works towards it

We work with your design team's energy model

Technical Assistance

Expert net zero support assists with:

- Load reduction analysis
- HVAC system selection support
- Lifecycle cost analysis
- Other project specific support



Path 1 Incentives



K-12 Schools	Site EUI Range	Incentives				
		Payable at end of Construction		Payable at end of 1 yr. post occupancy		
		Construction Incentive \$/sf	Heat Pump Adder*	Post Occ. Inc. \$/sf	Adder for getting under ZNE EUI target	Certification Incentive
Tier 2 (high schools only)	26-29	\$ 1.50	Air source heat pumps: \$300/ton Variable Refrigerant Flow: \$400/ton Ground source heat pumps: \$600/ton	\$ 1.50	Not applicable	\$3,000
Tier 1 - Net zero level (all schools)	25 or less	\$ 2.00			\$0.05/EUI point reduction/sf	

*These adders may increase

Highest level of incentives for ground source heat pump projects approach \$5/sf.

Verification Incentive - Scope to include:



Review control strategies at end of design



Multiple trend data reviews at post occupancy



Multiple EUI data pulls at post occupancy

Mass Save Offers 50% cost share up to \$10,000 to cover this scope

Value of Setting Early EUI Target



Whole Building EUI Reduction: Path 2

50,000 sf buildings and greater

Engage before end of Design Development

Requires EUI target setting

Incentives based on percent EUI reduction over Mass Save baseline

Technical Assistance

Energy charrette in early design

Mid design review/feedback

Final report/model

Incentives

Range from \$0.35/sf to \$1.25/sf plus the heat pump adder (same as Path 1)

Offer greater support for lower EUIs

Promote electrification



Non EUI-Based Participation Pathways

Paths 3: Whole Building Streamlined

10,000 sf building or greater

Engage before end of Design Development

Technical Assistance to identify energy conservation measures

Incentives provided for each measure (paid on kWh or therm savings)

Electrification supported on a \$/ton basis

Streamlined process (spreadsheet)

Paths 4: Systems

Late engagement (Construction Docs)

Prescriptive and limited custom incentives



Less lucrative incentives than Paths 1 & 2

Other Initiatives



Active Demand Reduction

- Targeted Dispatch:
 - 1-8 events/summer, 3 hours each
 - \$35/kW-summer (avg. performance)
 - *Eversource & CLC: \$100/kW-summer battery storage*
- Daily Dispatch:
 - 30-60 events/summer, 2-3 hours each
 - \$200/kW-summer (avg. performance)
 - *Eversource-only: \$100/kW-summer thermal storage*



EV Charging Station Programs

Provides infrastructure and equipment funding for customers to encourage installation of Level 2 and DC fast charge stations

- **Environmental Justice Communities**

Provides up to 100% infrastructure and equipment funding for customers located in EJC zones

- **Approval of next phase**
Expected this summer





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Thank you

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