



MASSACHUSETTS JOINT STATEWIDE ELECTRIC & GAS

THREE-YEAR ENERGY EFFICIENCY PLAN

2022-2024

May 26, 2021

WE ARE MASS SAVE®:



High Level Summary



Statewide Targets (Combined Natural Gas & Electric)		Plan Priorities
Total Benefits	\$7.4 billion	ELECTRIFICATION <ul style="list-style-type: none">• Driving key pathway to decarbonizing building sector• Increased emphasis on fuel conversion, with continued attention to complementary measures, such as weatherization, to promote right-sizing EQUITY <ul style="list-style-type: none">• Ensuring that programs are accessible to, utilized by and delivered through a representative cross-section of the Commonwealth WORKFORCE DEVELOPMENT <ul style="list-style-type: none">• Training & maintaining a robust and diverse workforce critical to achieving all desired outcomes• Partnership with MassCEC
Net Annual All-Fuel MMBtu Savings	20.7 million	
Annual GHG Emissions Reductions (Metric Tons CO₂e)	0.95 million	
Total Statewide Budget	\$2.9 billion	

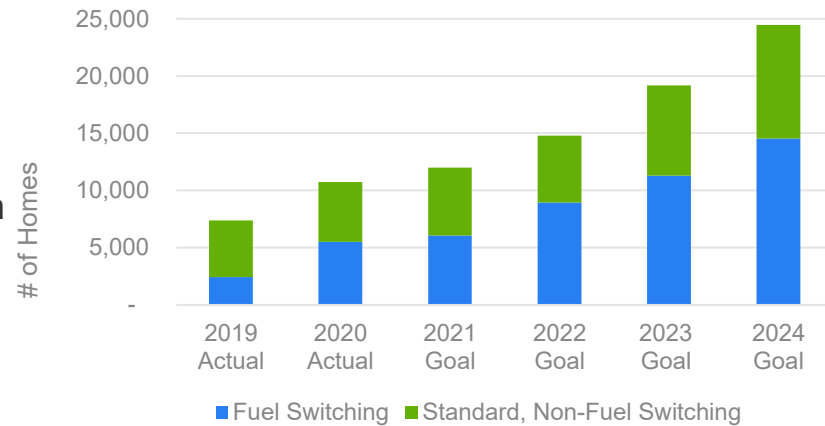
Building on EE programs' foundational role in supporting Commonwealth's energy and climate goals through equitably delivering energy efficiency, demand response, and electrification

Electrification

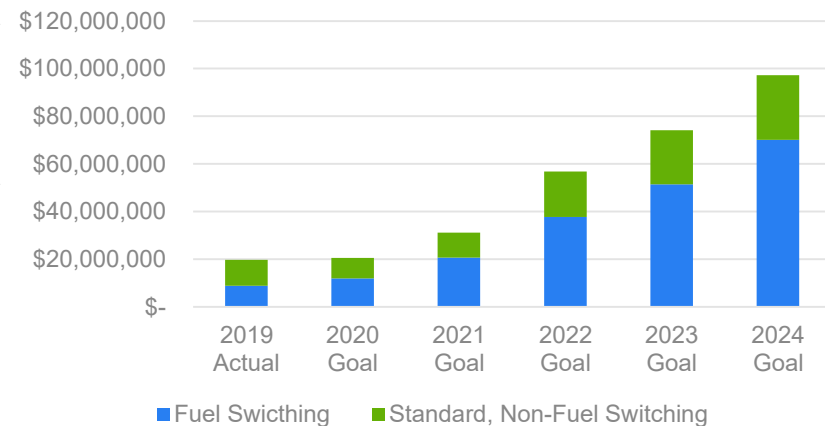


- Sustained 43% per year growth in fuel switching heat pump installations from 2019 actuals to 2024
- HP Market Transformation strategies focused on customer awareness & acceptance, contractor enablement, manufacturer & distributor engagement
- Increase share of all-electric new construction homes
- Immediate elimination of residential incentives for condensing to condensing natural gas & propane heating systems
- Immediate elimination of residential incentives for oil-fired boilers
- Phase out of residential incentives for traditional/non HP central AC systems

Statewide Heat Pump Quantities



Statewide Heat Pump Incentive Spend



PAs significantly ramping up heat pump production while simultaneously establishing strong foundation for creating sustained growth in future demand and delivery capacity

Equity



- Introduce new incentives that make energy efficiency upgrades more affordable for moderate income (60-80% SMI) customers
- Streamline the verification process to income qualify for enhanced incentives
- Programmatic focus on groups who have historically participated at lower rates, including renters/landlords, moderate income customers, English-isolated families, and microbusinesses
- **\$410.9 million in income eligible spend (13% of total electric budget, 21% of gas budget)**
- **\$115 million on weatherization & heating system incentives for income-qualified moderate income customers**

Investments in incentive structures, program design to ensure that all customers have a path to realizing the benefits of our programs

Additional Sector Highlights



Residential & Income Eligible

- Planned investment of \$525 million for weatherization incentives, a 43% increase from 2019-2021 Plan. Foundational to long-term success of electrification and more equitable outcomes
- Increase program awareness and participation through strengthened collaboration with Community Based Organizations
- Establish a preferred contractor network of HVAC contractors trained on heat pump technology and quality heat pump installations
- Evaluate various pathways to provide HVAC rebates up front instead of downstream, therefore making it more financially feasible to move forward with more costly upgrades

Commercial & Industrial

- Redesigned New Construction pathway with EUI focus and emphasis on electrification
- Increased deployment of Main Streets initiatives to targeted markets, especially environmental justice communities
- Simplifying and streamlining offerings and participation pathways and increasing targeted marketing to increase awareness of opportunities and understanding of value of efficiency investments
- Increase energy savings and decrease costs through focus on (1) enhancing Technical Assistance and Tools and (2) identifying areas of continuous improvement and portfolio expansion

Cross Sector Highlights

- Increase number of entry-level energy efficiency workers and clarify pathways to career advancement
- Active Demand Reduction (ADR) savings of 298 MW, an increase of 42% from 2021 planned value. ADR will have continued focus on both device-specific and metered demand reduction strategies
- Increased investment in development and promulgation of Codes & Standards, including technical support