April 4, 2019 C.E. Conference – Energy Session

D.P.U. 18-110 – D.P.U. 18-119 Three-Year Plan 2019-2021 October 31, 2018 Exhibit 1 Page 1 of 209 MASS SAVE

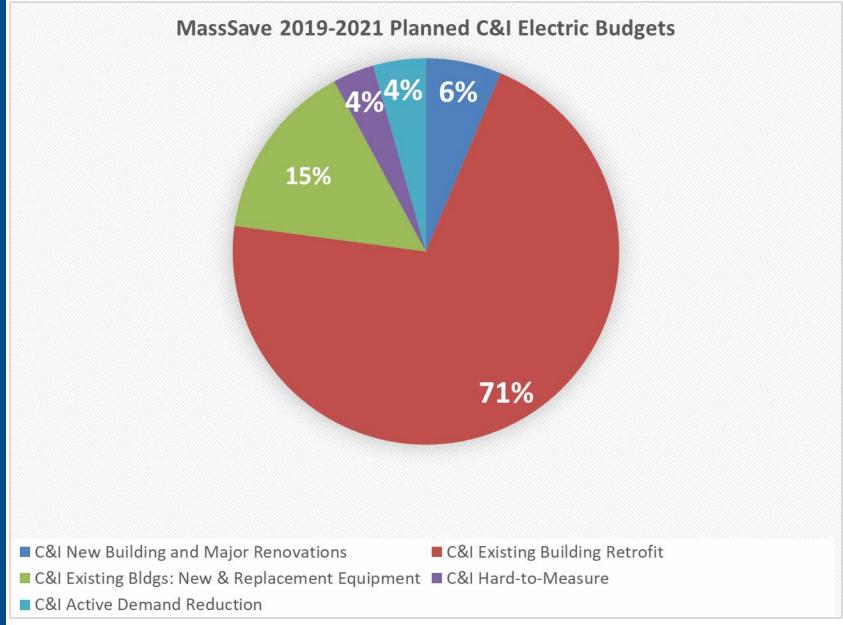
October 31, 2018

Massachusetts Joint Statewide Electric and Gas **Three-Year Energy Efficiency Plan** 2019–2021

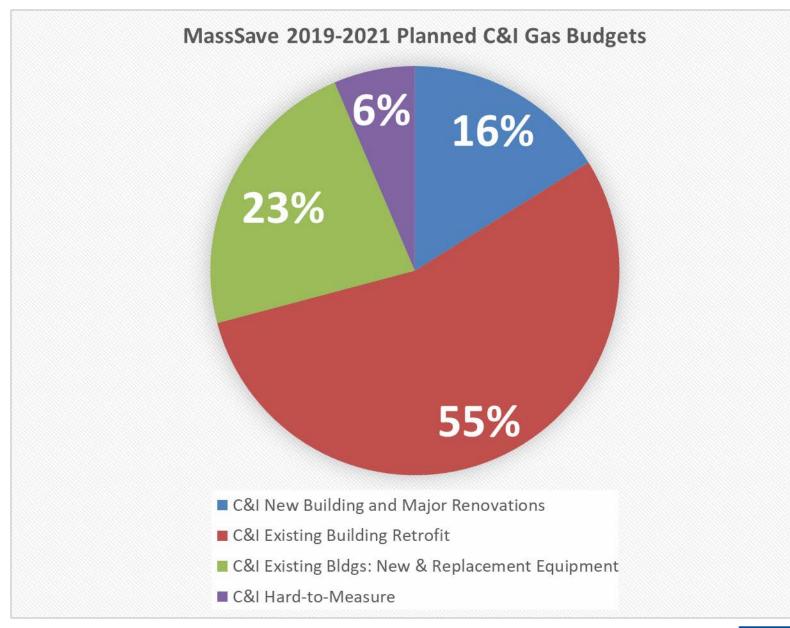
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- This is the 4th 3-Year Energy Efficiency Plan
- Budget for all sectors is \$2.77 Billion almost 8% higher than the previous Plan
- 40% of this amount budgeted for
 - Commercial & Industrial
 - > Programs for Electric approx. \$927 million
 - ➢ Programs for Gas approx. \$168 million





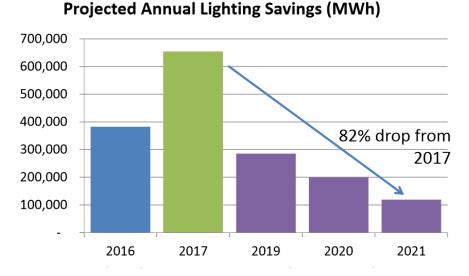




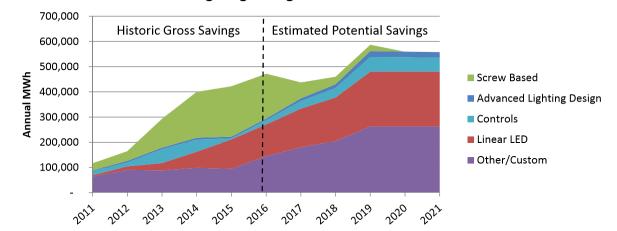


2019-2021:

Lighting and the Future of Electric Efficiency



MA Annual Lighting Savings and Max Achievable Potential

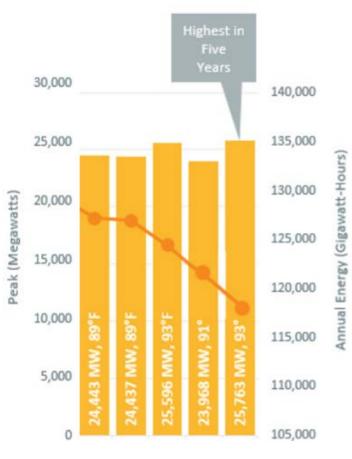




2019-2021 Themes: Peak Reduction

- Continue to focus on energy efficiency that reduces energy usage during times when demand is highest on the system and costs are highest for customer
- New Statewide Active Demand Management Programs include residential direct load control, energy storage, C&I load curtailment

Goal	2019-2021
Summer MW Total	665
Winter MW Total	500
Active Summer MW	200
Active Winter MW	50



Source: ISO New England



2019-2021 Themes: Fuel Switching

New energy efficiency goals for electric programs: MMBtu of total energy reduction



- Consumer education through fuelneutral heating and hot water recommendations during in-home assessments
- Significant increases in incentives for cold climate air-source heat pumps (focus on oil and electric resistance conversions)
- Heat pump goals:
 - 37,993 customers (Residential)
 - 6,082 customers (Low Income)
 - 17,980 units (C&I)



2019-2021: Other Plan Highlights

- Focus on program equity moderate income, non-English speakers, renters, small business
- Municipal partnerships
- Home Energy Scorecards as part of in-home assessment
- Deeper savings through **new Passive House offering**

• **C&I Focus:** Networked lighting, HVAC,

Industrial Process, and

New Strategic Energy Management program

