



Municipal Electric Association of Massachusetts

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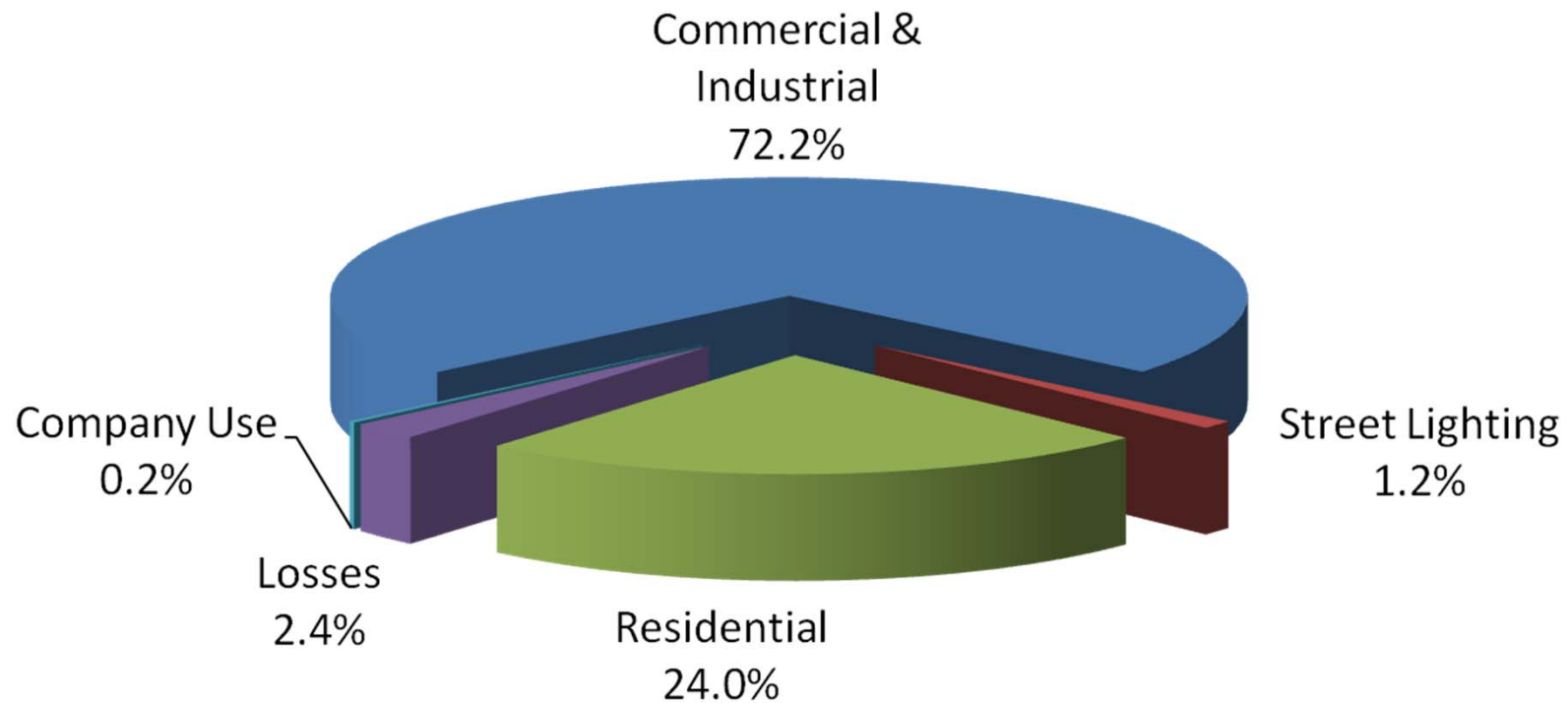


Some vital statistics



- Municipally owned since 1905
- Serves Burlington proper
- Reports to the Mayor and a 5-person volunteer commission appointed by City Council
- ~ 20,000 customers:
 - Residential - 16,500
 - Commercial - 3,600 (70% of sales)
- 25% college students
- Overseen by the Vermont Public Service Board

Breakdown of System Energy Usage



The History of Efficiency



- Late 70's started some programs
- 1990 – pivotal year
 - Defeat of a generation contract in 1989
 - Passage of an Energy Efficiency Bond in 1990 (\$11.3 million)
- 2000 – State Legislature creates the EEU
 - Reporting requirements increased significantly

EE Codes and Ordinances Help

- EE Code for New Construction and Retrofits – first in 1987, updated in 1991.
- Burlington's Time-of-Sale Ordinance – mid-'90's
- Our codes became basis for state-wide RBES and CBES.



How do we get their interest?



- Sit at table with Planning Dept. when projects are reviewed
- Provide lots of guidance during implementation
 - Prescriptive rebates, customized rebates.
 - Inspection of work take place.
- Visited by a BED Energy Specialist
- Bring full package to projects
 - Including help with financing

The Programs



- Services available for home owners, renters and investment property owners.
 - Lots of residential work comes from high bill complaints.
 - Free Home energy audits available.
- Services available for small, medium and large commercial accounts.
- Cash positive!

Two New Programs



- OBF (On Bill Financing)
 - Started with a \$1 million grant from EDA to create revolving loan fund.
 - Loans structured so that estimated monthly savings are greater than monthly loan payment. No out-of-pocket costs for customer.
- PACE (Property Assessed Clean Energy)
 - Legislature passed enabling legislation.
 - Burlington voters approved creating the 'district'.
 - The loan is transferred with the property.

Demand Response

- Run a Demand Response Program
- Shaved over 2 MW on New England Peak Day.
- Includes 17 of BED's largest customers.
- We're exploring DR for smaller customers.



PR and Marketing

- Promote
- Educate
- Brand

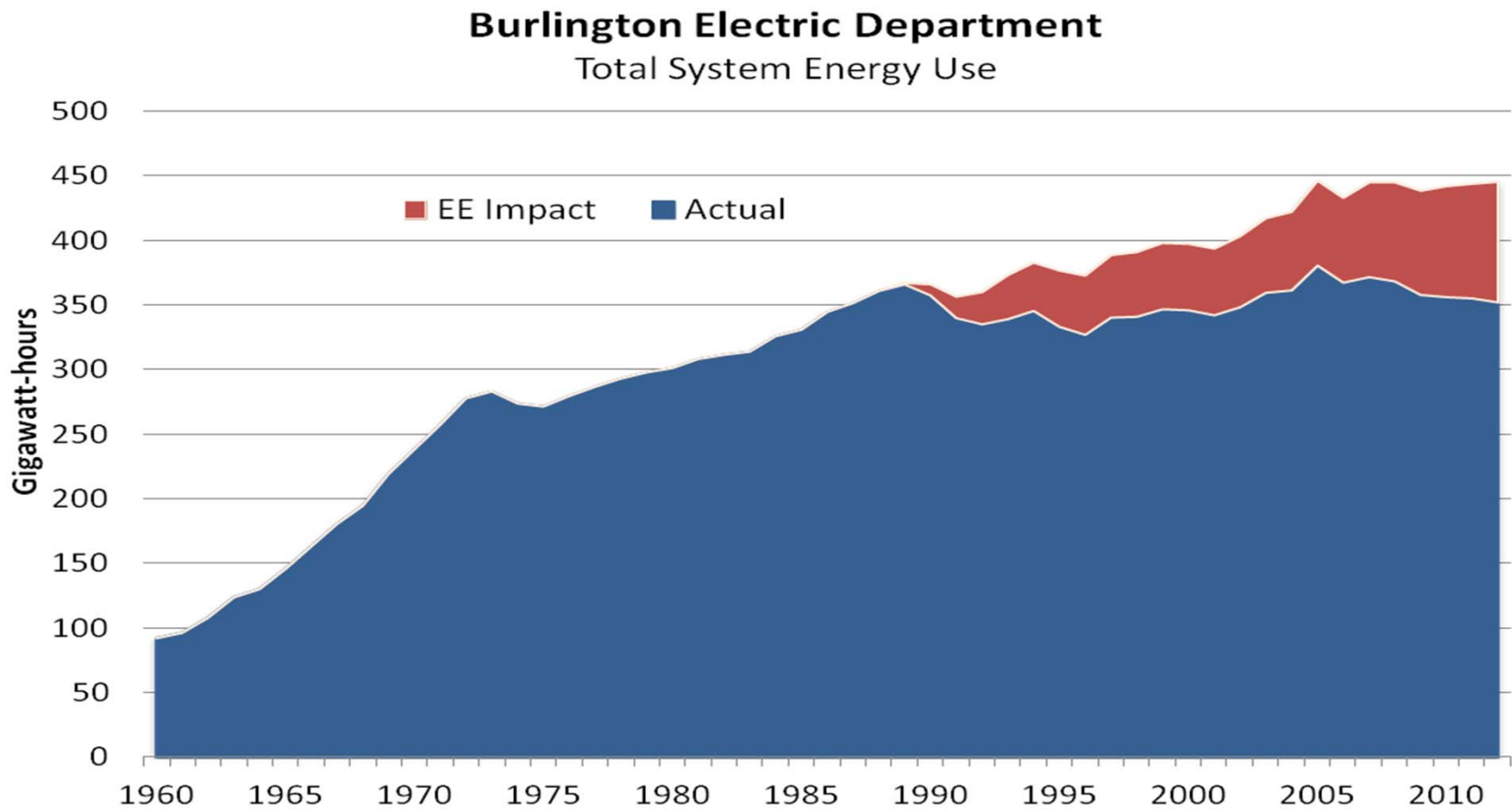


Program Results

- \$19.3 million has been invested by BED.
- Customers have invested another \$22.6 million
- Overall usage as a whole was down 5.3 percent in 2012 from 1989.
- Efficiency investments have saved Burlington customers \$15.4 million in 2012 alone.



The Impact of Our EE Programs



Community Benefits of EE Programs:

Pro-environment, Pro-economy

- Efficiency investments helped Burlington avoid the release of 20,310 tons of CO₂ in 2012.
(equivalent to removing 3,620 cars from roads)
- Participating customers have reduced their retail electric costs by **\$8.9 million** annually
- Efficiency project dollars are kept in the community and recycled, strengthening the local economy



Awards

- Star of Energy Efficiency (Alliance to Save Energy) – 2005
- Several awards from ICLEI
- Several APPA Energy Innovator Awards
- Several Governor's Award for Environmental Excellence

