

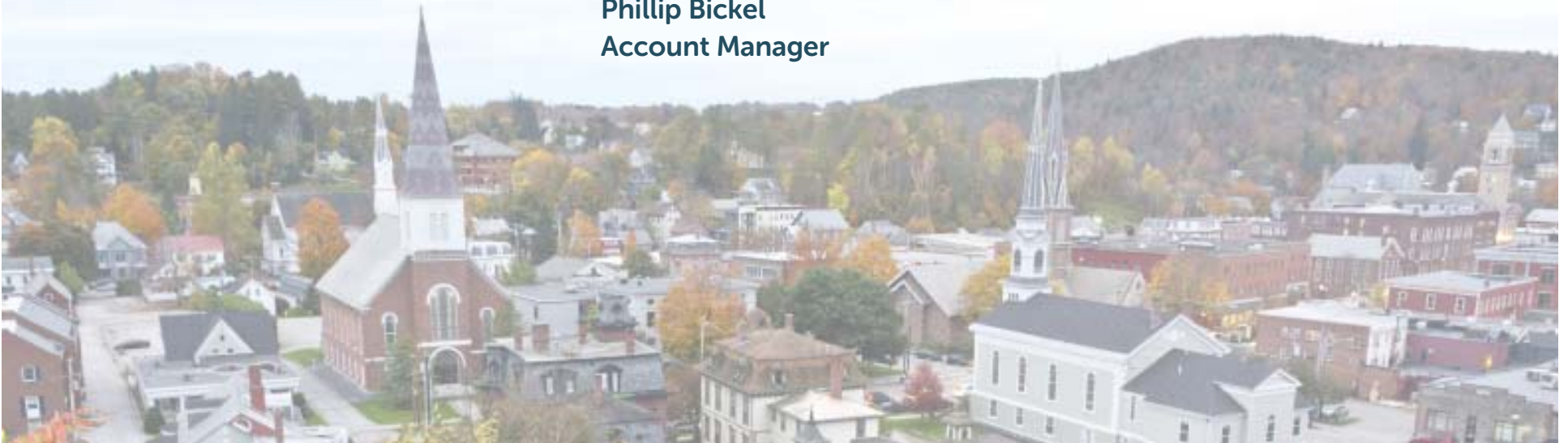


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Greenhouse gas reductions in state facilities

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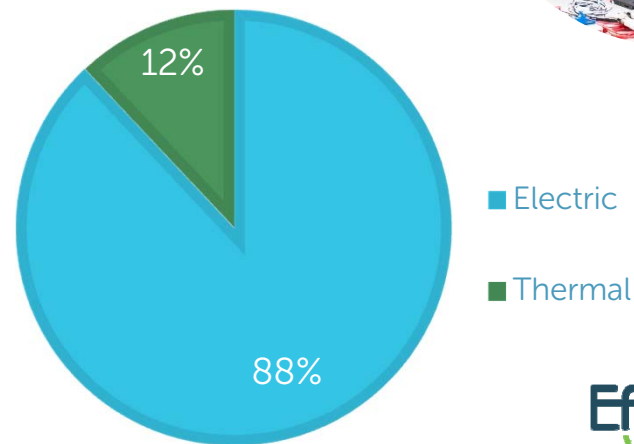


Who we are

- Founded in 2000
- Statewide independent energy efficiency utility
- Administered by VEIC, regulated by the PUC
 - Goals and budgets set by the PUC
- 3-year performance periods



2016 Budget: \$57.3 M



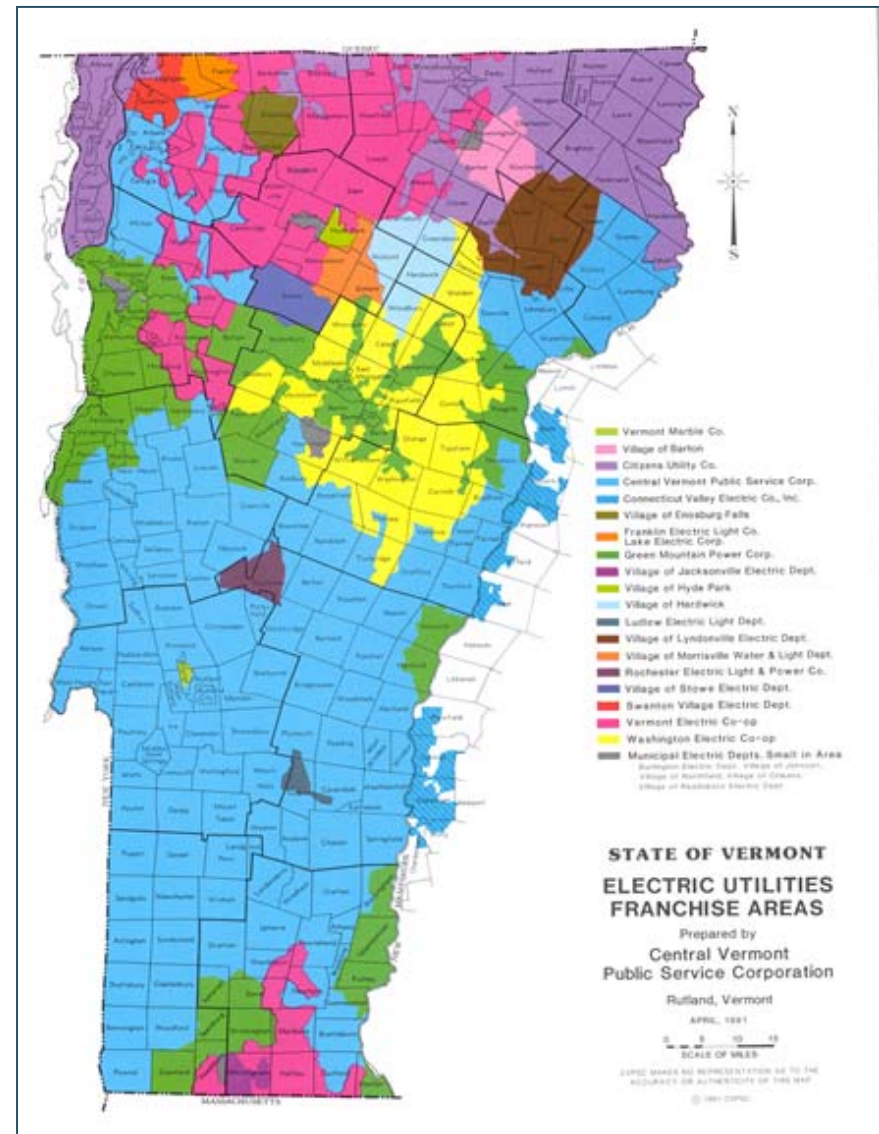
What we do

- Bring efficiency to scale through education, services, rebates & financing
- Manage and train Vermont's efficiency workforce
- Account-manage top 300 electric users

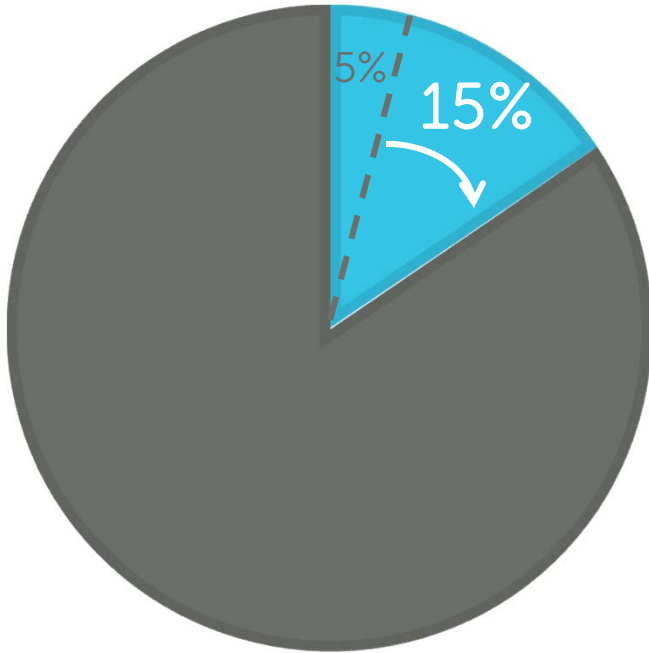


Before Efficiency Vermont

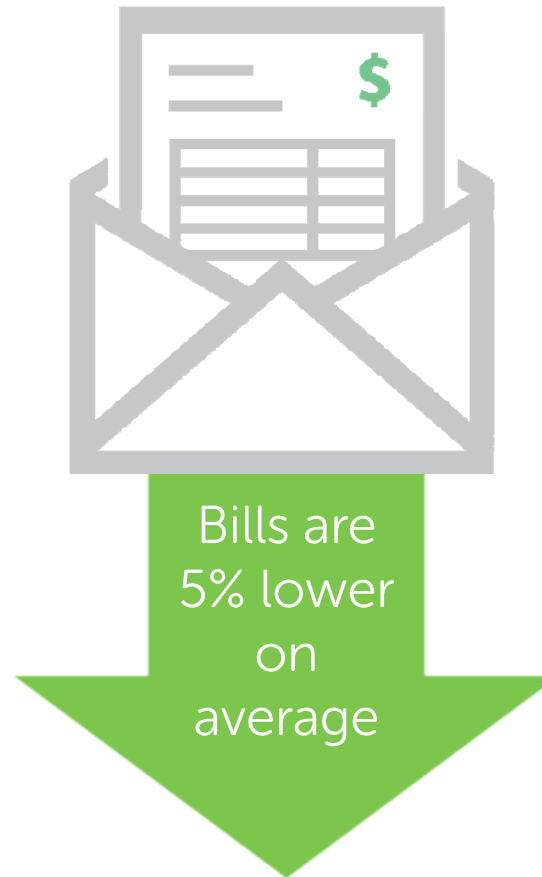
- Efficiency services provided across 22 utilities
- Electric and gas utilities required to provide “least cost” services
- EEU model represented:
 - Transparency
 - Statewide equity
 - Check and balance
 - Independence
 - Performance-based approach



Why energy efficiency



- Makes up 15% of energy mix
- Up from 5% a decade ago
- Supplied at less than half the cost of purchasing new



Sources: Public Service Department Report to Legislative Joint Energy Committee, 2016, Efficiency Vermont's 2016 Annual Report.

Our Impact

Savings for All

When we reduce electric use, we avoid costs and every Vermonter saves.



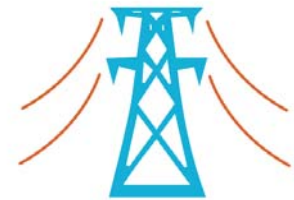
Utilities are buying less power.



Fewer power plants are needed because demand is lower.



Vermonters are paying less to maintain and build the New England power grid.



Utilities are spending less on transmission and distribution.

Source: Public Service Department Report to Legislative Joint Energy Committee, 2016

Efficiency
Vermont

Our work in state buildings

- Partner with all state agencies that own property/pay utility bills
 - Dept. of Buildings and General Services
 - Agency of Transportation
 - Agency of Natural Resources
 - Dept. of the Military
- Provide financial incentives & technical assistance



Energy improvements to state buildings, FY13-FY17

- 217 projects across 13 counties
- Savings
 - 3,800,000 kWh
 - 21,900 MMBtu
 - \$16,000,000 (lifetime)
- Avoided 58,000 metric tons of CO₂
- Equal to removing 12,400 cars from the road for 1 yr



Examples

Agency of
Transportation

- Lighting retrofits at 8 Park & Rides
- Avoided 2,670 metric tons of CO₂ over 5 yrs
 - Equal to removing 572 cars from the road for 1 yr



Examples

Agency of Natural Resources

- Process audits at Ed Weed & Salisbury hatcheries
- Design review for Roxbury rebuild
- Avoided 322 metric tons of CO₂ over 5 yrs
 - Equal to removing 69 cars for 1 yr



Recommendations

- Continue the partnership.
- Project management is essential.
- Involve more agencies and properties outside of BGS.
- Explore expansion to thermal and transportation efficiency.
 - 50% of Vermont's GHG emissions come from transportation

Thank you

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