EFFICIENCY FOR ALL

Energy Efficiency In Connecticut

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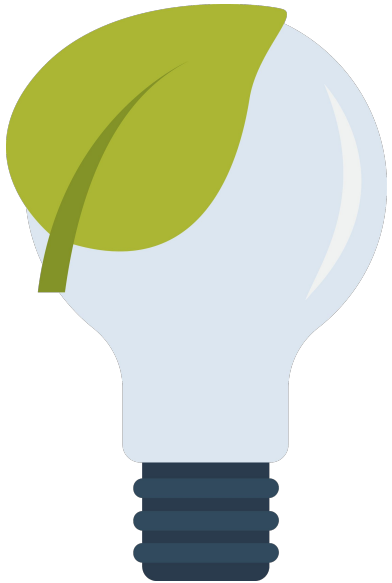
Chair, *Efficiency For All*

Energy Efficiency: What is it?

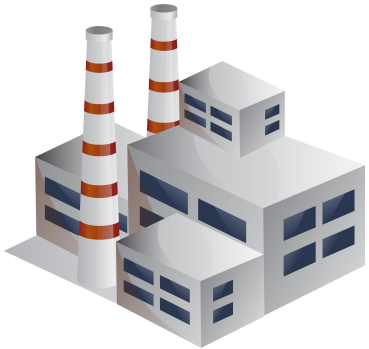
Energy Efficiency is **a way of managing and restraining the growth in energy consumption.** Energy efficiency delivers more services for the same energy input, or the same services for less energy input. For example:

- EE reduces Peak Demand and lowers the cost of electricity for all
- LED lighting is more efficient, it uses ⅔ less energy to produce the same amount of light
- Insulation and air sealing can reduce heating and cooling costs by up to 30%
- Similarly, an efficient boiler takes less fuel to heat a home to a given temperature than a less efficient model



10 Years of Program Savings

2,625
MW Saved

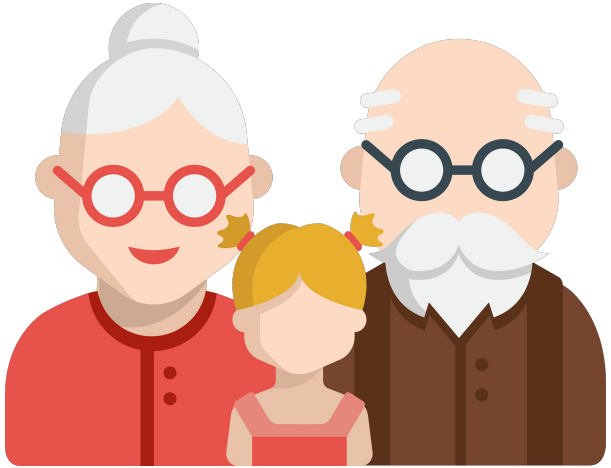


$3.7 Billion
Energy Costs
Saved

$2.4 Million Cars
Off the Road

Supporting At-Risk Populations

- 300,000 households in CT cannot afford their energy
- At-risk populations spend up to 25% of their income on energy costs
- Reducing energy costs allows for spending on critical items like food, medicine, and education
- EE reduces the needs for subsidy



Positive health and safety outcomes

- Energy assessments can expose hazardous conditions such as High CO, mold, or gas leaks and help to remediate health and safety hazards
- Up to 30% of homes have some type of health or safety concern
- Reduced air pollution caused by the burning of non renewable fuels
- Reduced climate change impacts

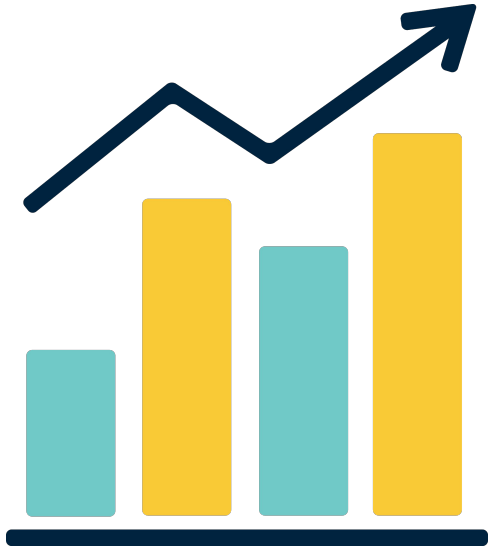
Helping small and large businesses succeed

- In 2016, businesses in Connecticut who invested in energy efficiency improvements saved $37.7 Million in energy costs
- These savings help businesses remain competitive in today's markets
- Energy savings trickles through the economy, leading to increased capital investment, jobs, and taxes

Boosting the Connecticut Economy

2016 Energy Efficiency Program Benefits:

- $1.4 billion impact to Gross State Product (GSP)
- $140 million in net tax revenue
- $962 million in ratepayer lifetime energy savings
- 34,000 clean energy jobs in CT



Supporting 34,000 Connecticut Jobs

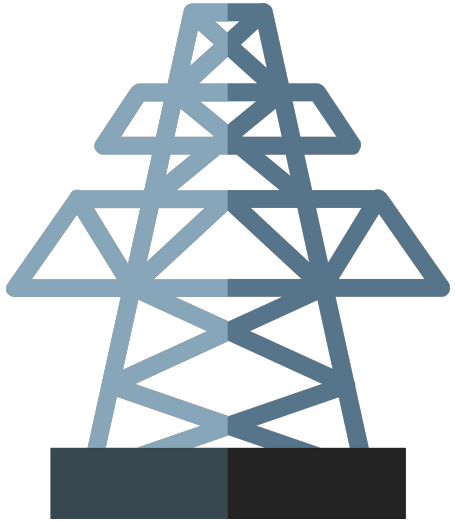
- Investments made in the energy efficiency workforce bring the highest return on investment of any green energy job $1M = 18 job years
- Energy efficiency jobs in CT mean fewer people on subsidies or on unemployment

The 2017 National Department on Energy Report on Jobs by field:

- 3,500 Insulation
- 10,000 HVAC High EE installs
- 8,000 upstream HVAC EE
- 8,000 Lighting
- 5,000 Weatherization/ Other

Helps the grid by reducing demand

- Reduces the need to depend on non-renewable fuels like oil and coal during periods of high demand
- Energy efficiency reduces the need for new generation facilities
- Reducing consumption through efficiency can lead to lower generation rates and lower energy costs



Mitigates Climate Change

- Energy efficiency reduces harmful emissions emitted by non-renewable power plants such as oil and natural gas
- Carbon Dioxide is the leading cause of global warming and sea level rise; lowering our carbon emissions by reducing our need for power through energy efficiency is the most cost-effective, large-scale solution to our energy problems