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Bureau of Energy and Technology Policy

Office of Energy Supply & Infrastructure

 Focuses on energy supply-side issues including electricity, natural gas, renewables and associated infrastructure (ie. transmission, natural gas pipelines, distribution networks)

Office of Energy Demand

 Focuses on energy efficiency programs including, federal weatherization, utility sponsored investments, and the state's "Lead by Example" programs.

Office of Climate Change and Innovation

 Focuses on the state's climate change programs including oversight of the Governor's Council on Climate Change, the Regional Greenhouse Gas Initiative (RGGI), compliance with the Global Warming Solutions Act (GWSA), emerging energy technologies and energy information.

Connecticut Department of ENERGY & ENVIRONMENTAL PROTECTION





Taking Action: Efficiency Investments

ENERGY SAVINGS

In 2018, clean energy in Connecticut resulted in energy savings equal to one 135 MW power plant. This is enough energy to power approximately 56,000 homes for a year.



608,000 CUSTOMERS BENEFITTED

Annually, 102,000 through programs for families, businesses, municipalities and other institutions ranging from energy assessments, efficient appliances, weatherization, solar PV installations, efficient lighting, heating and cooling, process improvements, thermat insulation, education and financing. 506,000 through relail lighting product incentives.

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\$65 MILLION IN CT TAX REVENUES

Generated from individual, corporate, and sales tax revenues per year as a result of clean energy programs and services.



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\$6.4 MILLION IN PUBLIC HEALTH COSTS SAVED Clean energy reduces emissions and pollutants resulting in healthier and cleaner air.⁴



Energy Efficiency as an economic driver 38,000 CT Clean Energy Jobs, of which CT Employment by Major 34,000 are Energy Efficiency Jobs **Energy Technology** 209 Energy Star & Traditional HVAC High Efficiency & Advanced Efficient Lighting Renewable Materials and Heating & Cooling Insulation Other Electric Power Transmission, Distribution, and Energy Efficiency Fuels Generation Storage **Connecticut Department of ENERGY & ENVIRONMENTAL PROTECTION**

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Modernizing the grid Key elements: Expand data collection on electric vehicle and renewable thermal load shape and flexibility Explore rate structures that encourage off-peak electric use and 00000 incent EV and RTT adoption Develop a transparent process for the EDCs to consider non-wires alternatives Quantify and transparently communicate the distribution system benefits provided by DERs Conduct or expand pilots on solutions that can lower or meet peak demand, including demand-response and energy storage Investigate costs and benefits of upgrading EDC communications and metering infrastructure, analytical capabilities, and billing and other back-end systems Establish statewide data standards for cybersecurity and interoperability Require EDCs to plan for integration of new beneficial electric loads Require EDCs to plan for adaptation of the distribution system in the face of climate change Connecticut Department of ENERGY & ENVIRONMENTAL PROTECTION 13

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