



Town of Colchester

Energy Performance Contract Project

Energy Performance Contracting

- Using a portion of the money presently being spent on buying energy (Electricity, Water, Heating Oil, Propane, etc.) from the Utility Companies, the Town of Colchester can install more energy efficient systems thereby reducing the amount of energy we consume.
 - With a reduction in the amount of energy consumed, the Town will use the savings in energy costs to purchase and install more energy-efficient equipment.
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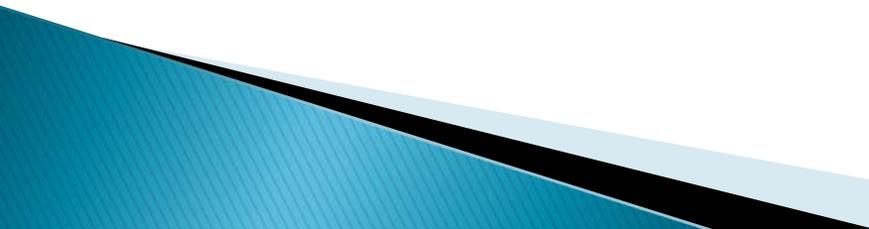
Energy Performance Contracting

How it Works:

1. An Energy Services Company (ESCO) performs an audit of the Town and School facilities (this is a detail analysis of the systems that are currently in place).
 2. Based on the audit, the ESCO determines the energy savings that can be obtained and the cost to upgrade equipment to achieve those savings.
 3. The ESCO guarantees the energy savings.
(If the improvements do not produce the savings guaranteed, the ESCO pays the difference in the bill to the Town)
- No initial outlay of money.
 - No increase in operating budget.
 - Non-appropriation clause in contract protects the Town.

Energy Performance Contracting

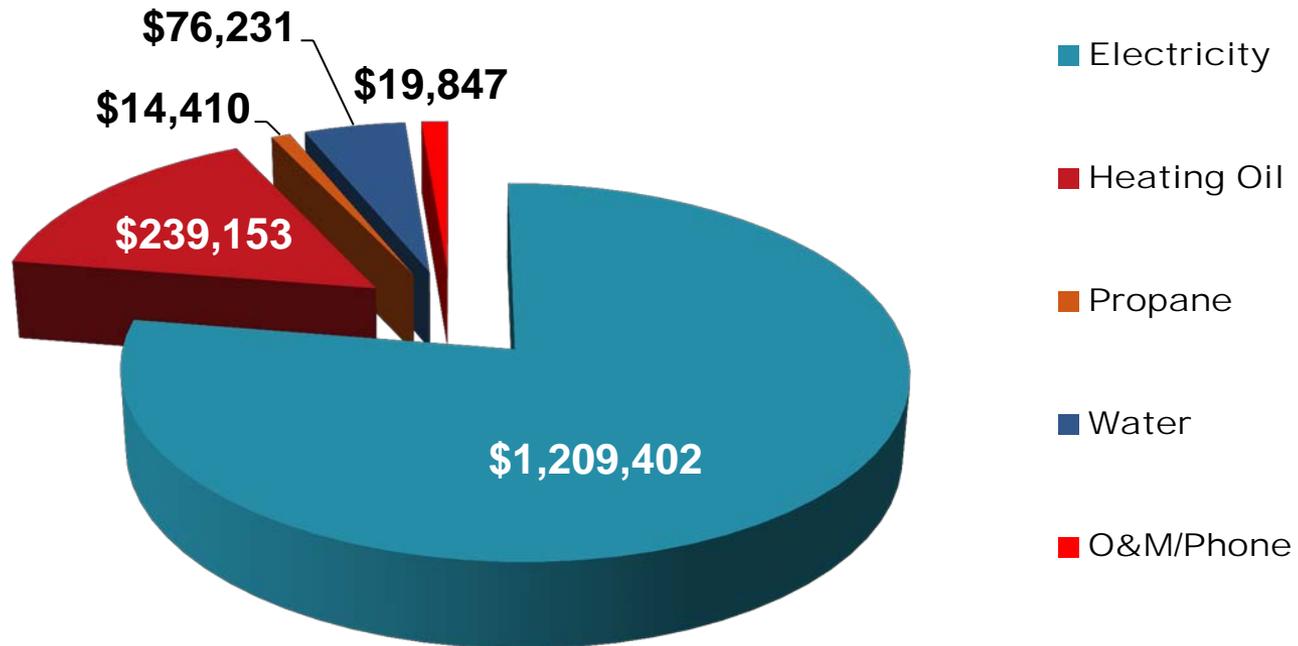
Colchester Process

- 1. Town of Colchester hired CELTIC Energy to assist with the project and act as the Town's advocate.**
 - 2. With the assistance from CELTIC Energy, a RFP was developed and submitted, and then through a competitive process, the Town of Colchester selected Honeywell as the Energy Service Company (ESCO) for the project.**
 - 3. Honeywell completed an Energy Audit of Town Facilities**
 - 4. Honeywell has identified savings that can be achieved and the changes necessary to achieve those savings.**
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Energy Performance Contracting

COLCHESTER ENERGY COSTS

FY 10-11 Baseline

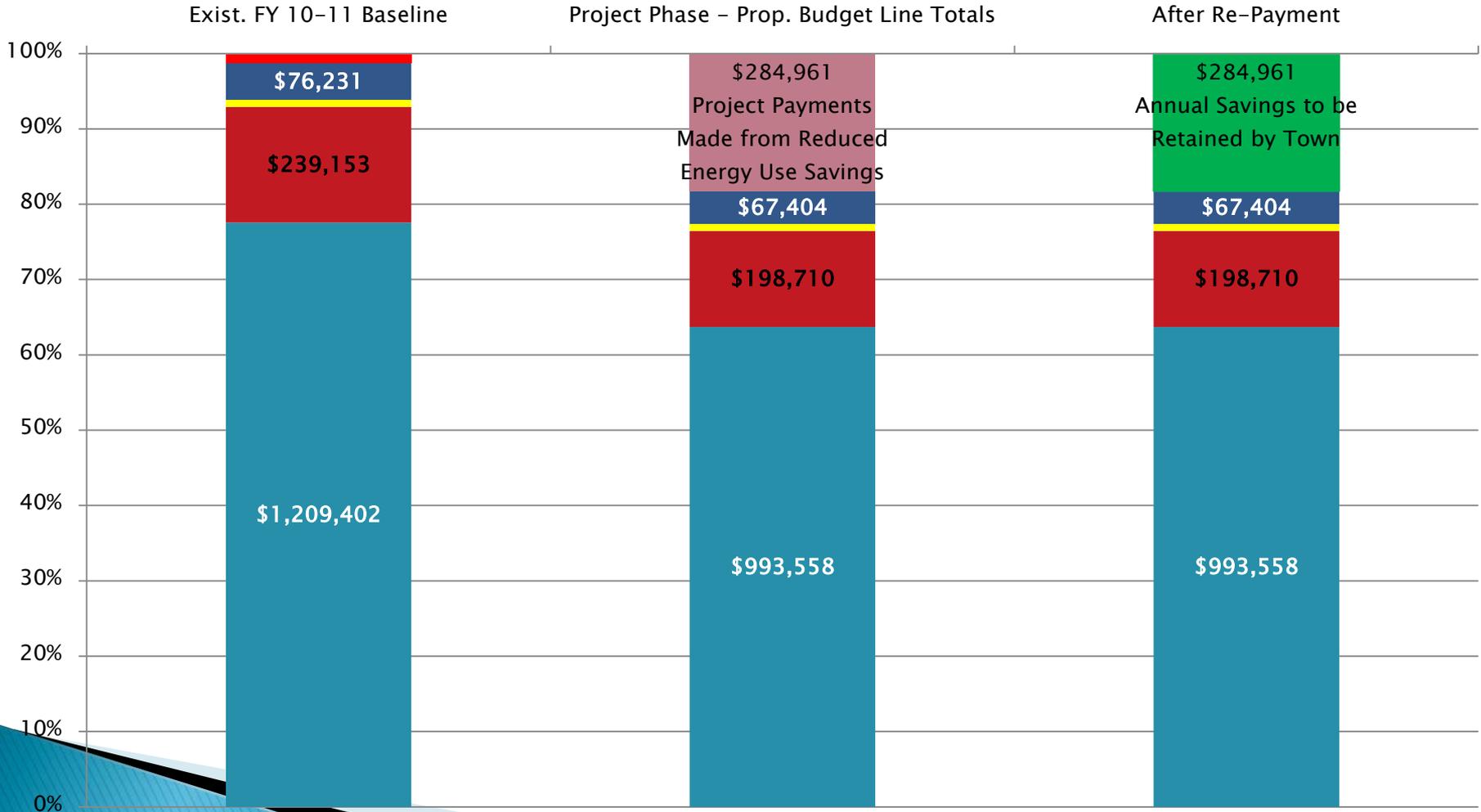


Total FY10-11 Amount = \$ 1,559,043

Colchester Energy Cost Before - During – After Project

Baseline FY 10-11 Cost Data

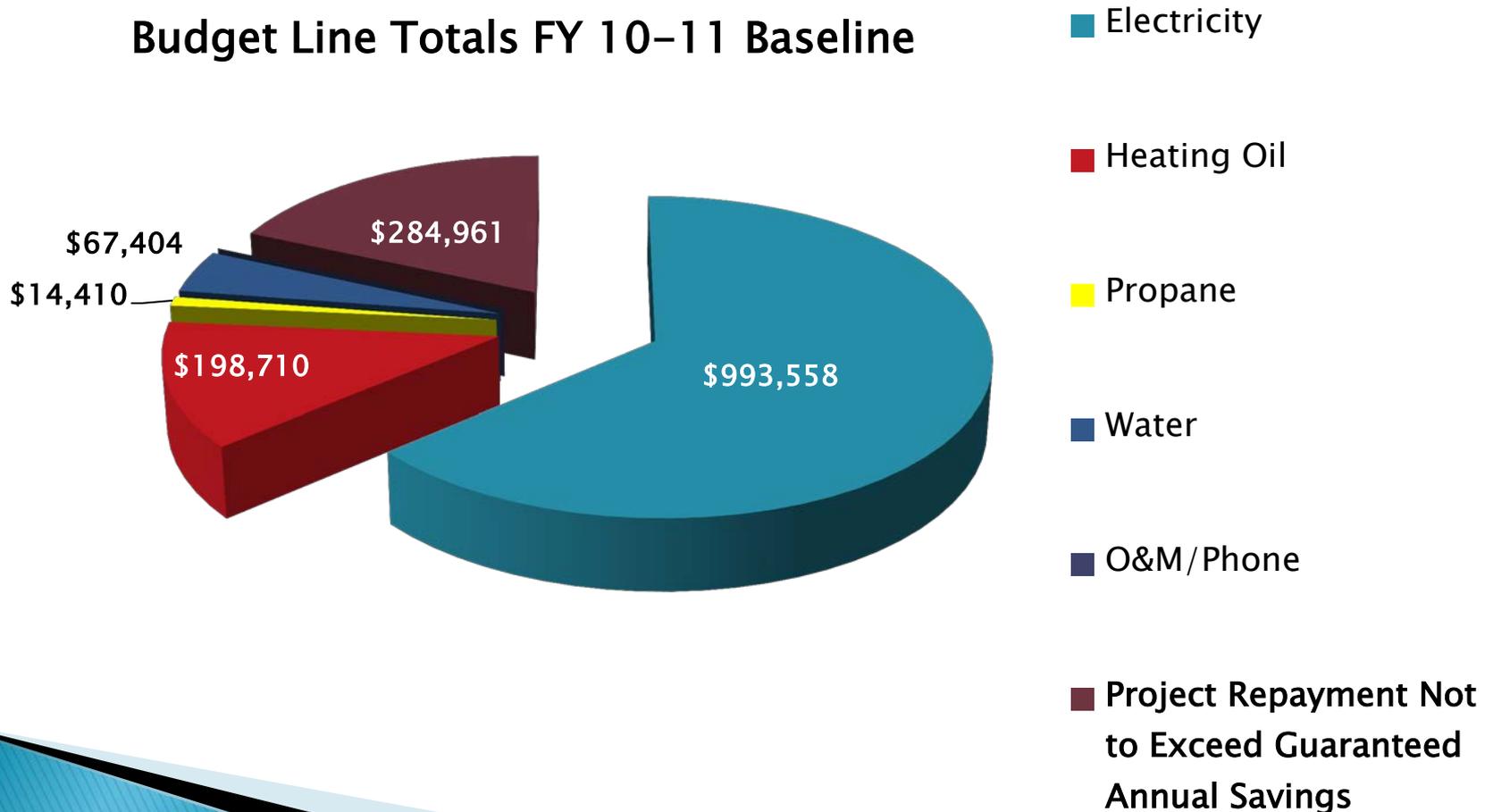
- Annual Savings
- Project Repayment Not to Exceed Guaranteed Annual Savings
- O&M/Phone
- Water
- Propane
- Heating Oil
- Electricity



Energy Performance Contracting

COLCHESTER ENERGY COSTS

Project Phase – Annual Proposed
Budget Line Totals FY 10–11 Baseline



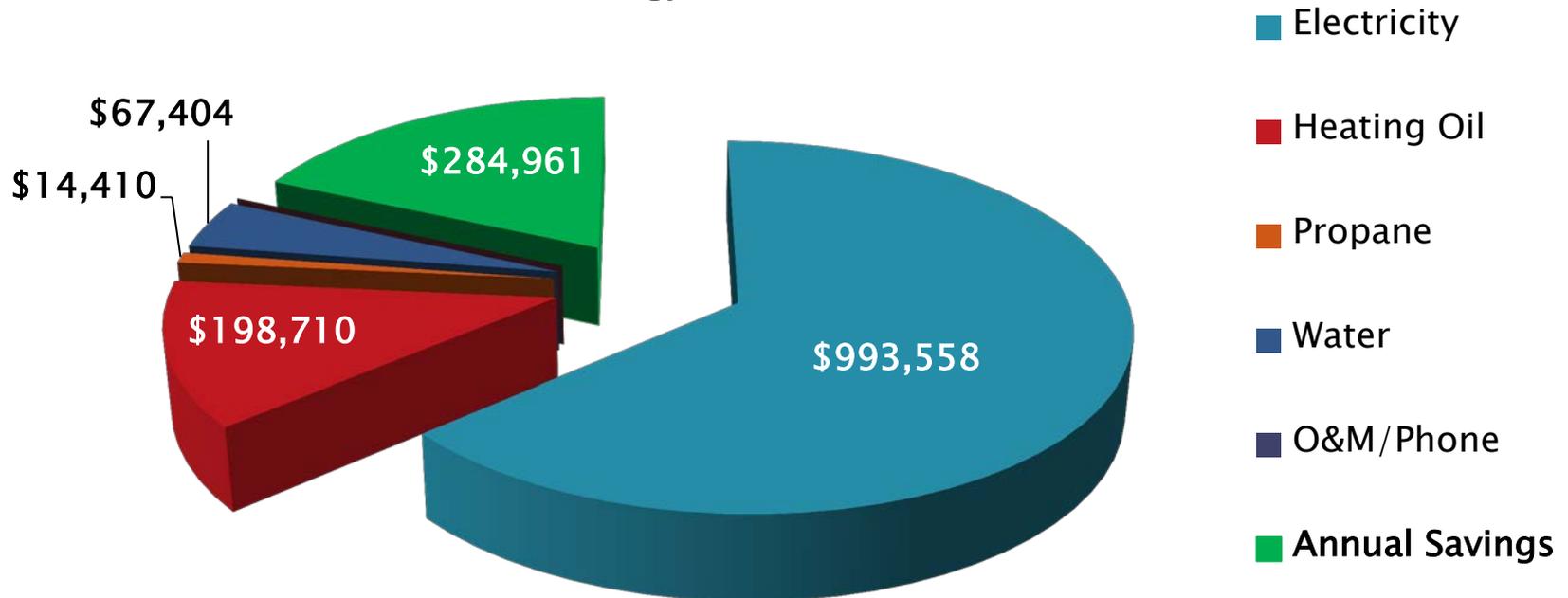
Energy Performance Contracting

COLCHESTER ENERGY COSTS

After Re-Payment of Project Costs
Annual Savings to Be Retained By Town

Baseline FY 10-11

Total Energy Use Reduced = 18.2%



Energy Performance Contracting

Current Projects as References

- Town of Stratford, CT
- Town of Thomaston, CT
- City of Somerville, MA
- Danbury Schools, CT
- East Hartford Schools, CT
- Farmington Schools, CT
- Middletown Schools, CT

Projects currently in design – Monroe, Darien, Stafford.

Energy Performance Contracting

ENERGY SAVING MEASURES

- Water Conservation Measures
- Installation of Centralized Energy Management System
- Mechanical Upgrades
 - Variable Air Volume Replacement
 - Domestic Hot Water Heat Pumps
- Electrical Power Factor Correction
- Lighting Upgrades & Control Sensors
- Building Envelope/Weatherization
- Transformer Upgrades
- Automated Dialers
- Boiler/Kitchen Hood Controllers

