



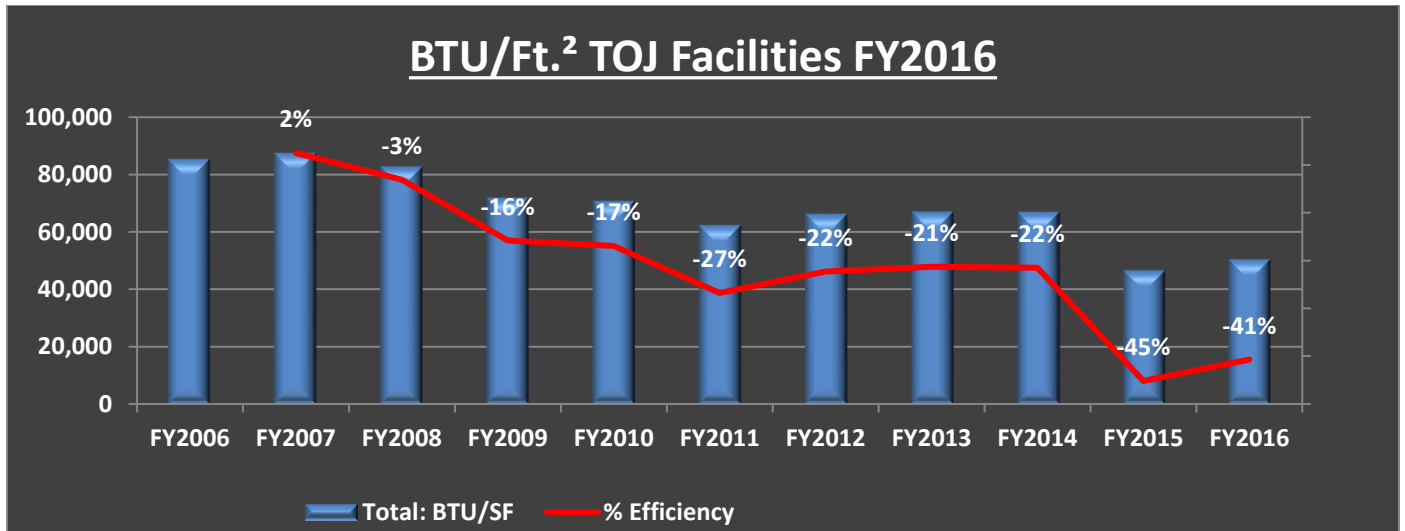
Policy Statement

40 x 20 Energy Efficiency Goal's

With comparable or improved levels of service,
Snapshot of Fiscal Year 2016:

1. We will be 40% more energy efficient with all Town facilities by June 30, 2020 from FY2006 as measured on a square foot basis.

Comparing FY2006 to FY2016, all Town facilities are down 41% Btu/ft.² without using the square footage and energy data from the Parking Garage. As a result, we are **41%** more efficient than we were in FY2006. If we included the Parking Garage, we are **70%** more efficient than we were in FY2006.



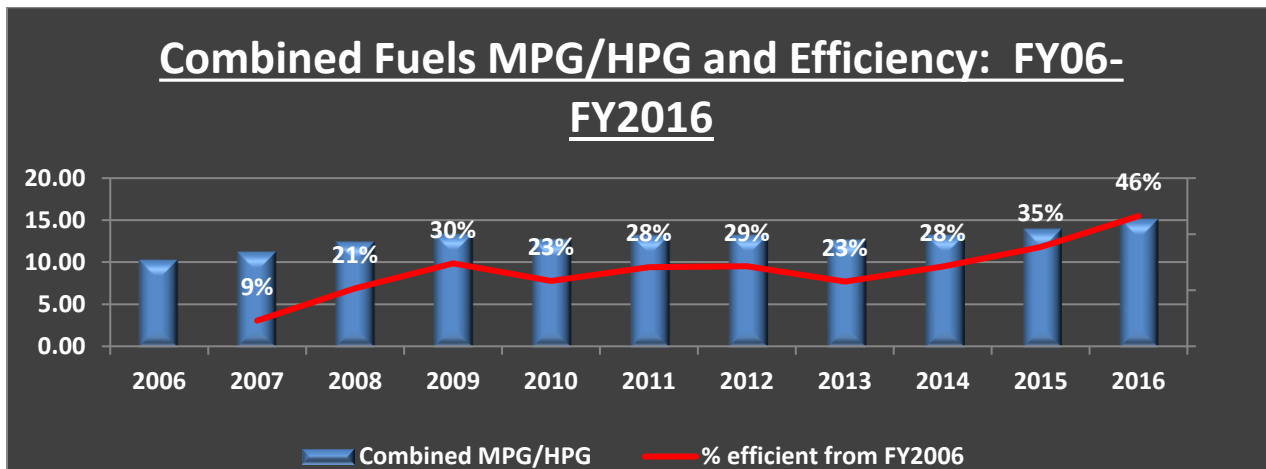
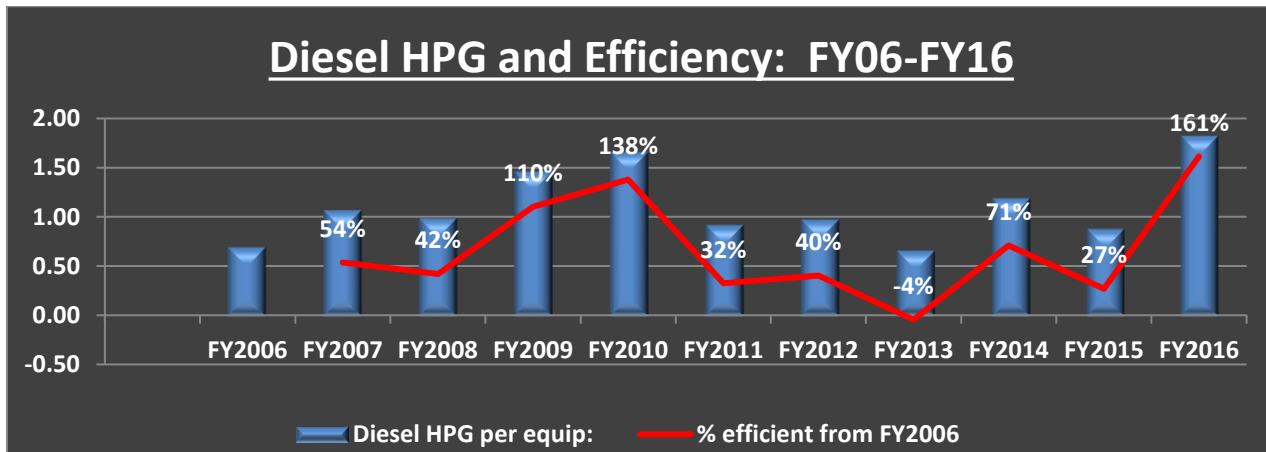
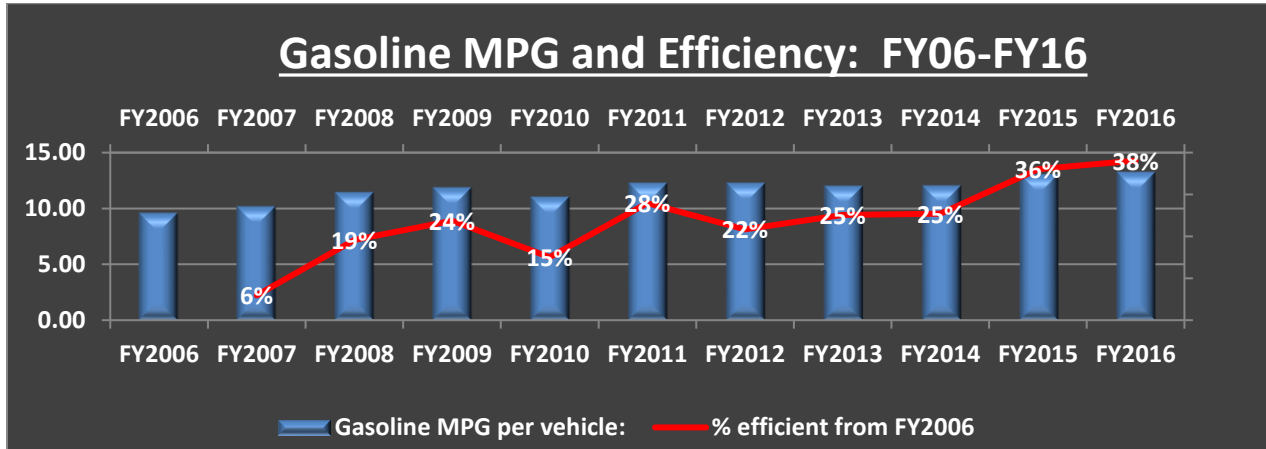
2. All Non-START Town vehicles and equipment will be 40% more fuel efficient by June 30, 2020 from FY2006.

Comparing FY2006 to FY2016, we have made considerable progress in achieving this goal. For both gasoline and diesel, our organization consumed less gallons in FY2016 compared to our baseline year.

Diesel = (FY06: 0.70 HPG vs. FY16: 1.82 HPG). A **161%** increase in efficiency.

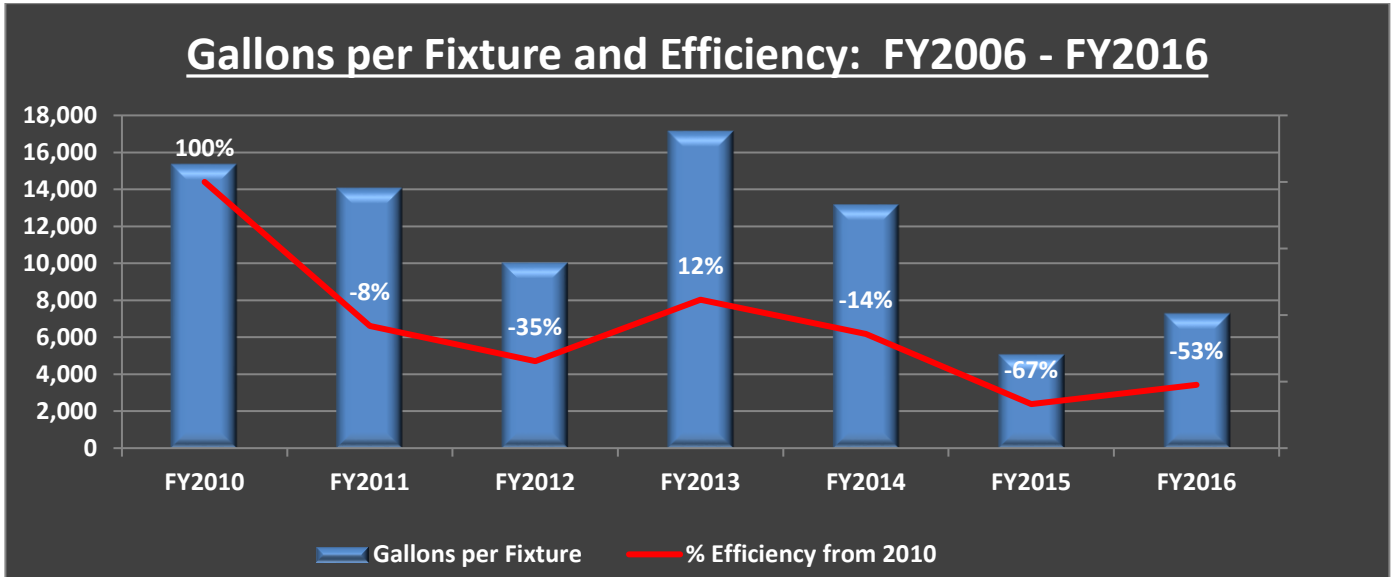
Gas = (FY06: 9.59 MPG vs. FY16: 13.24 MPG). A **38%** increase in efficiency.

Combined Gas & Diesel = (FY06: 10.28 vs. FY16: 15.06). A **46%** increase in efficiency!



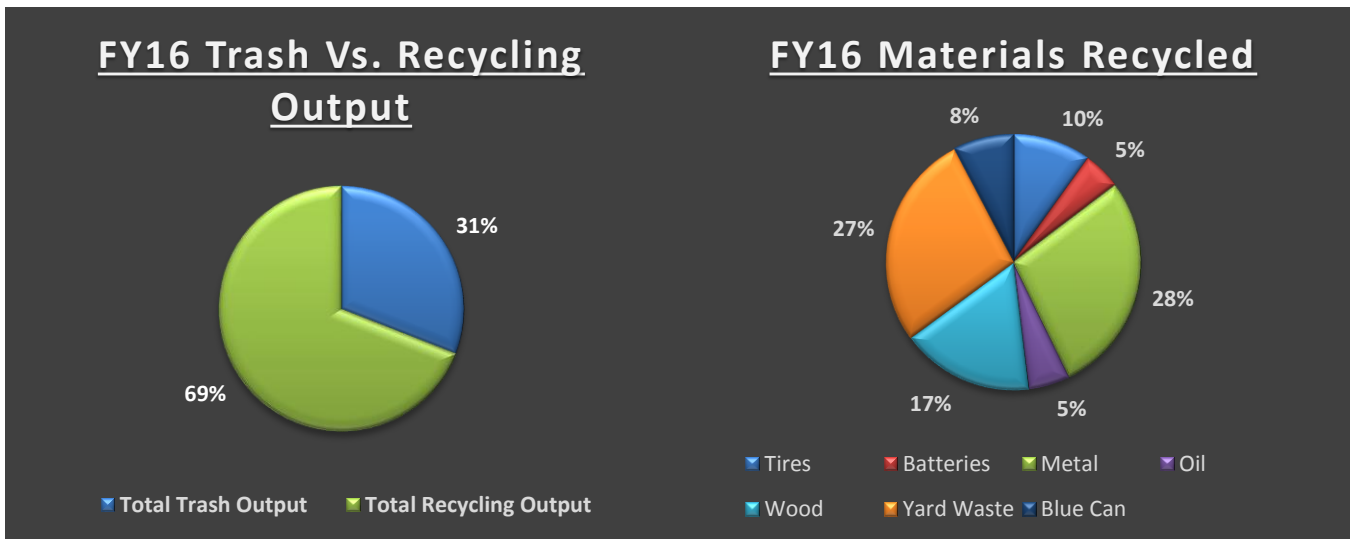
3. We will be 20% more efficient with Town of Jackson water consumption by Town facilities by June 30, 2020 from FY2010.

Since this goal is a new goal and one that was not included in the 10 x 10 Initiative, our baseline year starts in FY2010. Comparing FY2010 to FY2016, our facilities increased our water usage efficiency by 53%.



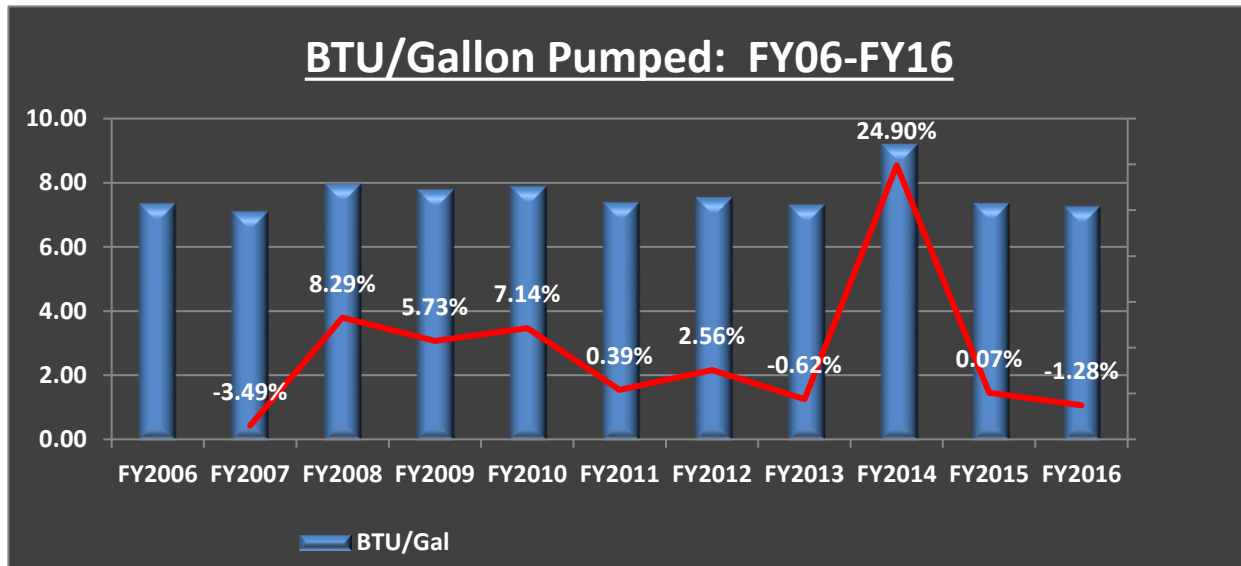
4. We will divert 50% of our waste stream by June 30, 2020.

This goal is a new goal as well and was not included in the 10 x 10 Initiative. There is no baseline associated with this goal, therefore, we will be tracking our success every fiscal year. The good news is that we were able to collect reliable trash data and recycling data with the help of multiple Town departments. For fiscal year 2016, we show a 69% diversion rate.



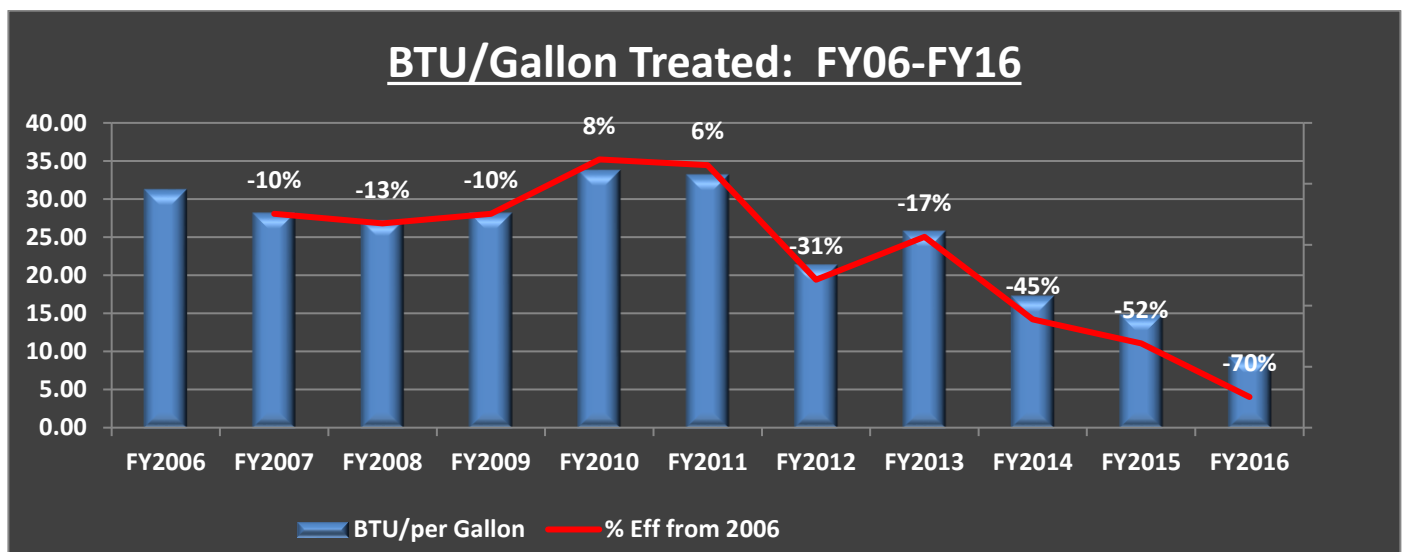
5. We will be 20% more energy efficient in producing water for our service area by June 30, 2020 from FY2010.

Comparing FY2006 to FY2016, we are **1.3%** more efficient pumping a gallon of water. We have a lot of work to do if we are going to achieve any reduction in BTU's per gallon of water pumped.



6. We will be 40% more energy efficient per gallon of wastewater treated and discharged through our Wastewater Treatment Plant by June 30, 2020 from FY2006.

Comparing FY2006 to FY2016, the Wastewater Treatment Plant is **70%** more efficient treating a gallon of water before discharge into the Snake River. With the addition of new efficient mixers in July of 2015, the Wastewater Team experienced greater increases in efficiency at the Wastewater Plant.

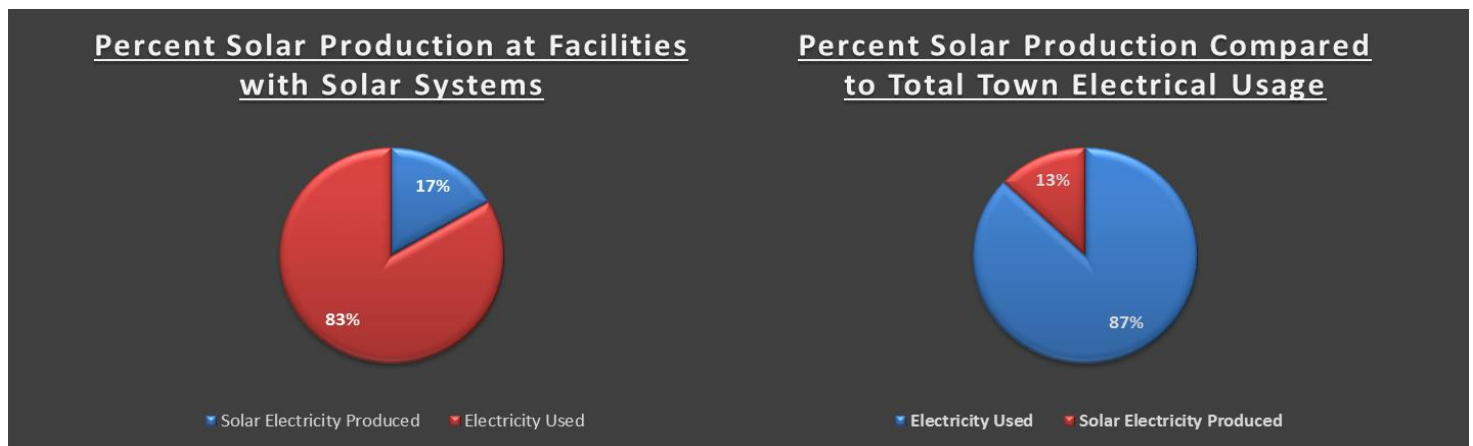


7. We will maintain 100% of the electrical energy used for Town operations from renewable energy sources.

In a unique partnership with Lower Valley Energy, the Town purchased ALL of the electrical renewable energy needed to operate 100% of our operations in FY2015 from the new certified hydro-electric plant in Etna, Wyoming on Strawberry Creek.

7(a). Solar Production

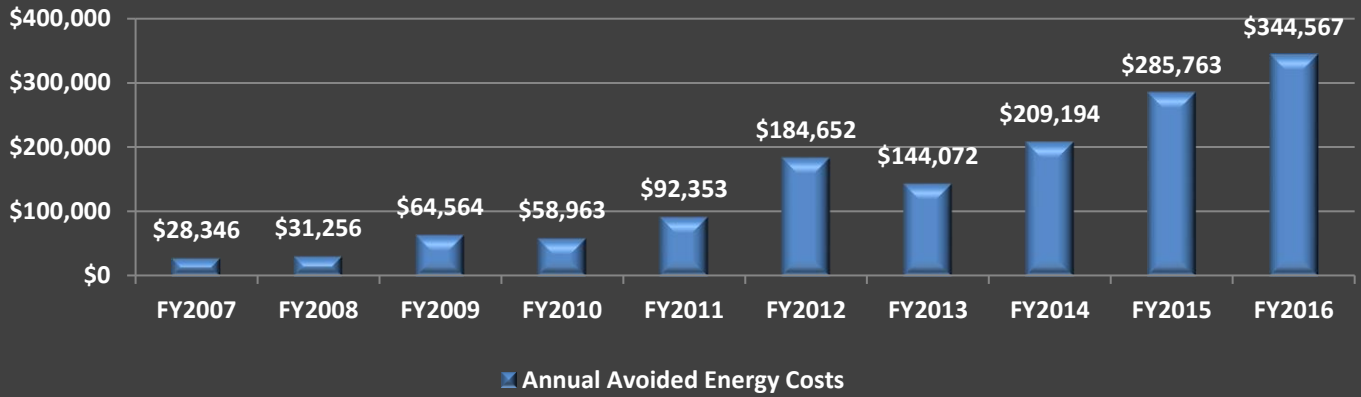
Though we do not have a goal associated with solar production, I thought I would also include a snapshot of the electrical production from our PV systems over FY2016. Currently, the Town of Jackson owns and operates 429.3 kW of solar farms located both on roof mounts and ground mounting systems. During the course of FY2016, our PV systems produced 607,400 kWh's of energy, which is enough electricity to power 61 homes for a year. Below are two charts: the one on the left represents electrical usage at facilities with solar systems and the one the right represents the total Town electrical usage as a whole.



7(b). Avoided Energy Costs

Though we do not have a goal associated with avoided energy costs, I thought to include it to give additional perspective on our energy efficiency goals. From our FY06 baseline year to FY16, we have avoided **\$1,443,731** in energy costs.

Annual Avoided Total Energy Costs: FY2006 - Present



7(c). Avoided Tons of CO2

Carbon offsets based on energy efficiency rely on technical upgrades to reduce energy consumption, renewable energy from displaced energy production, and therefore, reductions in CO2 emissions. Again, though we currently do not have a goal associated with tons of CO2 avoided, I wanted to include this information as additional perspective on our energy goals. From FY06 to FY16, the Town has avoided the emission of **2,302.4** tons of CO2.

Annual Avoided Tons CO2: FY2006 - Present

