

BRATTLEBORO ENERGY COMMITTEE ANNUAL REPORT 2016

Mission Statement:

The Brattleboro Energy Committee is tasked to assist Brattleboro residents, businesses and Town government in reducing energy consumption and costs through conservation, increased energy efficiency and conversion to renewable energy sources.

Streetlight Costs

\$300,000.00

\$250,000.00

\$200,000.00

\$150,000.00

\$100,000.00

\$50,000.00

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FY 2001

FY 2010

FY 2013

FY 2014

FY 2015

FY 2016

Streetlight

\$253,442.0

\$234,361.0

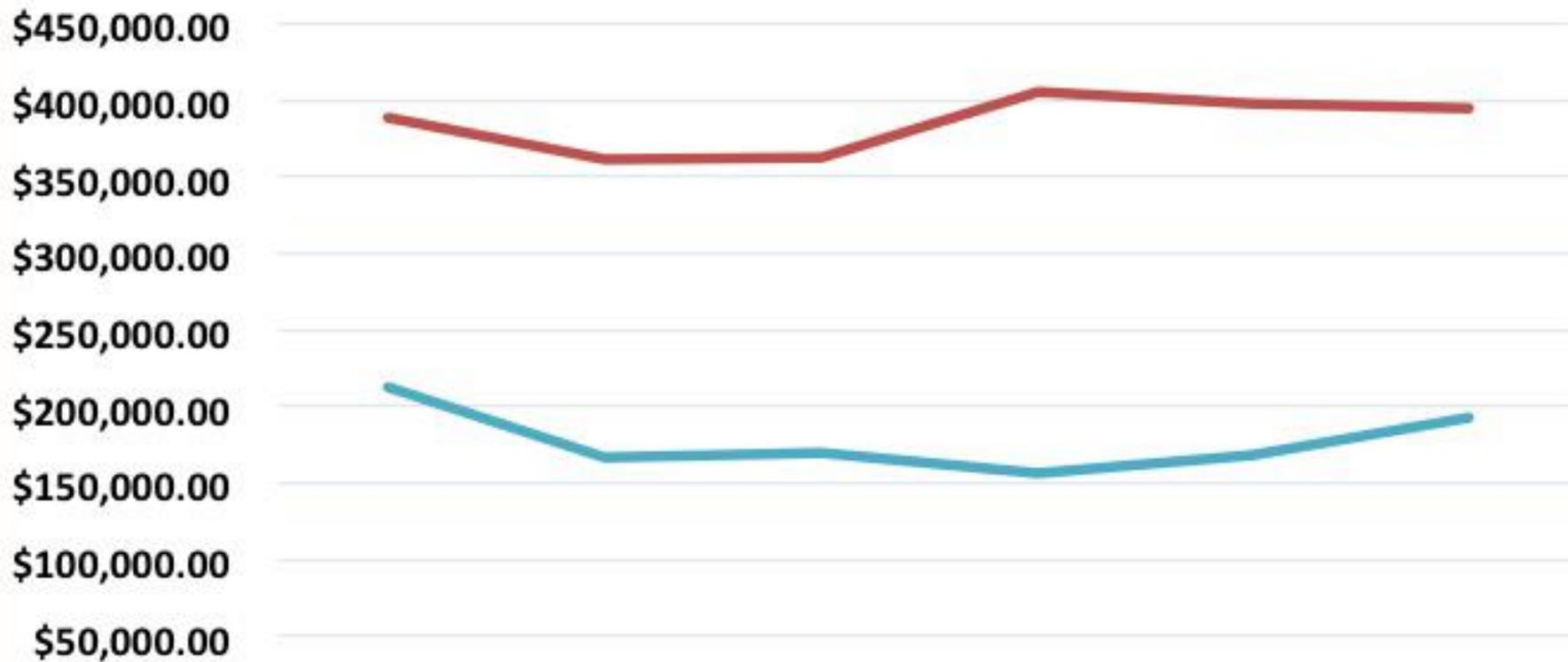
\$192,918.0

\$167,198.0

\$127,390.6

\$118,048.7

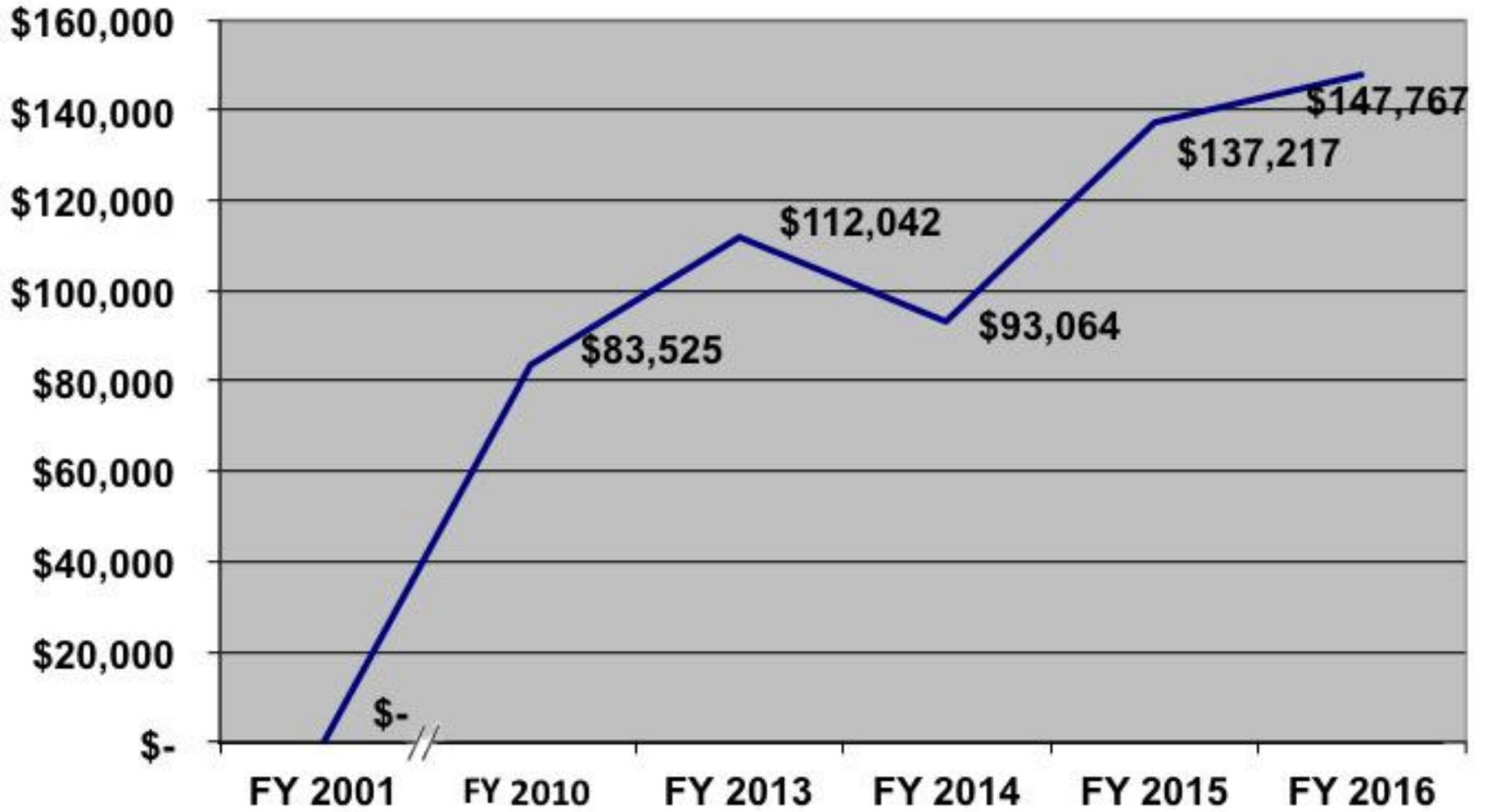
Electricity + Heating Costs
 (Adjusted to FY2016 Prices)
 (Heating Adjusted to FY2016 Weather)
 (Does not include Streetlights)



	FY 2001	FY 2010	FY 2013	FY 2014	FY 2015	FY 2016
Heating	\$212,648.9	\$166,255.0	\$169,313.2	\$156,544.3	\$168,528.0	\$192,730.2
Electricity	\$388,628.6	\$361,593.1	\$363,248.3	\$405,022.0	\$397,234.3	\$395,371.8

Annual Energy Savings

(Adjusted to FY2016 Weather Conditions and Fuel Prices)



Town Energy Cost Trend Summary

- Electricity costs down 7% from 2001 to 2010; up 9% from 2010 to 2016.
 - (Does not include streetlights.)
- Heating fuel costs down 22% from 2001 to 2010; up 16% from 2010 to 2016.
- Fleet fuel costs down 21% from 2001 to 2010; up 10% from 2010 to 2016.
- Streetlight costs down 8% from 2001 to 2010; down 50% from 2010 to 2016.

We Recommend...

- Purchase of solar net-metering credits from WSWMD
 - Estimated annual savings: \$85,000 per year for 1st ten years, over \$1million over 20 years.
 - Future solar projects will be less financially lucrative.
 - Reduction of fossil fuels use and our carbon footprint,
 - Important goals laid out in the Town Plan.
 - The risk is very minimal compared to the reward.
 - The landfill is the perfect place to put a solar field.
 - Estimated \$60,000 per year in Town Property taxes.

Recommendations (cont'd)

Town Building Audits

- Implement recommended Energy Saving Measures from the energy audits of Town buildings.
- Convert many of the Town Buildings to modern wood heat.

Recommendations (cont'd)

Transportation

- Advocate for increased passenger rail service to Brattleboro
- Promote electric and hybrid vehicles, including electric assist bicycles
- Promote walking, biking, and alternative forms of Transportation

Recommendations (cont'd)

Resilience

- Pursue a public safety micro-grid, to ensure better resiliency for emergency services when the power grid goes down.

Recommendations (cont'd)

Energy Committee Support

- Hire a new Town Energy Coordinator, with Town funding supporting the work of this position.
- Seek funding sources so that this position can evolve into a full-time Sustainability Coordinator.

Thank You!