

Upper Brookville plans to use part of its \$100,000 Clean Energy Community Grant to purchase 8 LED light bulbs for every home in the Village. If all the bulbs are used, the cumulative savings in electricity and related costs will be over \$1.1 million over their 8-year life. We will notify you by email when they are available to be picked up at the Village Hall.

The bulbs are made by Phillips. They have a warm color, are dimmable and virtually indistinguishable from a 60 watt incandescent bulb. However, the 8 bulbs should save you more than \$2,000 over their 8 year projected life, or \$250 per year. The details are shown below.

### Energy Efficient Bulbs

## Energy Savings Calculator

#### Existing Bulb

My existing bulb

Wattage	60 watts
Price	1.25 dollars
Life	1200 hours

#### Replacement Bulb

My replacement bulb

Wattage	9.5 watts
Cost	0 dollars
Life	25000 hours

#### Cost of Electricity

**(PSE&G)** 0.18 \$/kWh

#### Other Factors

Number of bulbs being replaced	8 bulbs
Hours of operation p/wk	60 hours

#### The Bottom Line

Total Savings per Home	<b>\$ 2,026.33</b>
Total Savings: 550 Homes	<b>\$ 1,114,481.50</b>

#### The Details

Energy saved per bulb	<b>51 watts</b>
Money saved over life of bulb	<b>\$ 227.25</b>
Number of existing bulbs used for each replacement bulb	<b>20.83 bulbs</b>
Difference in cost between one replacement bulb and existing bulbs replaced	<b>\$ -26.04</b>
Total savings from one replacement	<b>\$ 253.29</b>
Gross savings from all replacements	<b>\$ 2,026.33</b>
Investment	<b>\$ -10.00</b>
Net savings	<b>\$ 2,036.33</b>
Net savings per hour	<b>\$ 0.08</b>
Net savings per week	<b>\$ 4.89</b>
Net savings per month	<b>\$ 21.18</b>
Net savings per year	<b>\$ 254.13</b>