



**General Scope of Work & Project Cost (Photocell Option)**

<b>Total Quantity of Fixtures:</b>	<b>21</b>
<b>Item</b>	<b>Estimated Total</b>
<b>LED Lighting Upgrade Project Cost:</b>	<b>\$ 20,829</b>
Utility Acquisition Cost:	\$ 2,625
<b>Total Project Cost + Acquisition:</b>	<b>\$ 23,454</b>

**Preliminary Streetlight Inventory**

Baseline Fixture Type	Sample LED Replacement	Quantity
50W HPS Cobrahead	24W_ARCH-N-PA1-20-722-U-T2R-AP-10MSP-PR7-10X	1
70W HPS Cobrahead	31W_ARCH-N-PA1-30-722-U-T2R-AP-10MSP-PR7-10X	17
100W HPS Cobrahead	41W_ARCH-N-PA1-40-722-U-T2R-AP-10MSP-PR7-10X	1
50W LED Cobrahead	31W_ARCH-N-PA1-30-722-U-T2R-AP-10MSP-PR7-10X	1
250W HPS Floodlight	50W_UFLD-S-CA1-50-722-U-66-T-AP-10MSP-PR7-10X	1
<b>Total</b>		<b>21</b>

**Energy and Cost Savings**

Parameter (Annual):	Before Upgrade	Post Upgrade	Savings	Savings (%)
Energy Consumption (kWh)	8,159	2,793	5,366	66%
Utility Cost	\$ 3,702	\$ 612	\$ 3,090	83%
Maintenance Cost	\$ -	\$ 720	-\$ 720	N/A
<b>Total Street Lights Expenditures</b>	<b>\$ 3,702</b>	<b>\$ 1,332</b>	<b>\$ 2,370</b>	<b>64%</b>

**Payback**

**Project Payback: 8.4 years**

**Smart Controls (Alternative Project Option)**

Net Adder for Smart Controls:	\$ 3,718
<b>Total Project Cost (Smart Controls):</b>	<b>\$ 24,547</b>
Utility Acquisition Cost:	\$ 2,625
<b>Total Project Cost (Smart Controls) + Acquisition:</b>	<b>\$ 27,172</b>
Project Payback (Smart Controls):	9.5 years

**Notes**

- This budget summary includes an estimated acquisition cost from Eversource, of \$125.00 per fixture. This figure is subject to Eversource's official quote, which may vary significantly from RTE's estimate. The acquisition cost is provided solely for analytical purposes and is not included in RTE's total project cost.
- Prior to the upgrade, maintenance costs are included in the electricity charges. After the Town acquires the lighting system, it will assume responsibility for the maintenance of the new LED lighting system. The estimated maintenance cost includes only warranty-related maintenance for the LEDs and lighting controls.
- The specified LED technology consists of smart-ready LED luminaires with 7-PIN, dimmable drivers. Both the luminaires and control systems come with a 10-year warranty. The Smart Controls Option includes Ubiquiti smart controllers, 10-year access to central management software, and 10 years of connectivity fees.
- All figures provided are preliminary budget estimates and are non-binding. RTE can provide a formal supply and installation quote once the lighting assets are officially owned by the Town. Replacement estimates are based on an equivalent LED conversion approach and do not include RTE field mobilization. The budget estimate includes material and labor costs for the LED upgrade. Please note that the final project cost is subject to change based on confirmed material and labor pricing.
- Energy Escalation rate (annual): 4% and Maintenance Escalation rate (annual): 3%
- Total project cost estimate does not include any applicable tax.