

The Energy Commission recommends Option 1.**\$218,000 Savings in 20 yrs. if the Town converts to LED street lights**

The town presently leases 107 street lights from CMP.

- They predominately are sodium vapor bulbs which use substantially more energy than LED lights
- The lease cost is significantly higher than the cost of town ownership.

**Options (Cost estimated using today's values):**

Option 1, Convert to LED's, owned by the Town:

Annual Cost During Loan Repayment (First 10 yrs.) \$ 11,800

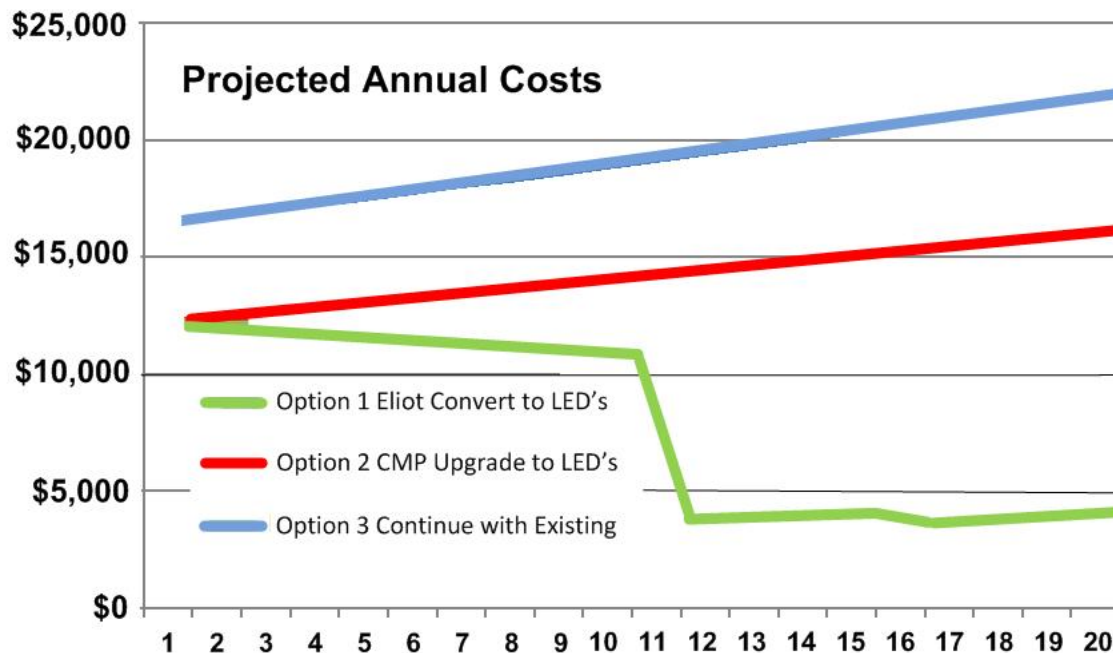
Annual Cost after Loan is Paid (From yr. 11 on) \$ 4,600

Option 2, Have CMP upgrade and lease to Town:

1st Year Electric and Rental Fee: \$ 12,300

Option 3, Continue with existing:

2017 Rental & Electric Costs: \$ 16,500



Calculated using 1.5% per year inflation rate for electric cost and a loan interest rate at 2.4% over a 10 year term.

How does it work:

1. The Town goes out for estimates and selects the successful contractor.
2. The contractor's responsibility is turnkey and includes the following contract requirements:
 - a. Survey the existing fixtures within the town and assess their functionality.
 - b. Set up test lights for town residents to experience and comment on.
 - c. Negotiate with CMP on the return of the existing fixtures and lights.
 - d. Purchase and install the fixtures contracted for.
3. The Town's responsibility is:
 - a. Fund the contractor's work.
 - b. Provide maintenance on the fixtures once the project is turned over to the Town. In all likelihood, the town will contract out the maintenance work to a qualified contractor. However, they do have the option to perform some or all, of the work in house.
 - i. Warranty on the fixtures is 10 yrs.
 1. The life expectancy is 20+ yrs.
 - ii. Every 5 to 7 years the lenses will require cleaning.

A Demonstration for the Public:



The above illustrates the difference between sodium vapor lights, which we have now and LED lights. Prior to the physical conversion, a LED demonstration will be installed for the public to experience and comment on or ask questions.

Visit the Town's website for more information about the Street Light projects,
www.eliotmaine.org/energy-commission.

Or, contact the Energy Commission if you have questions