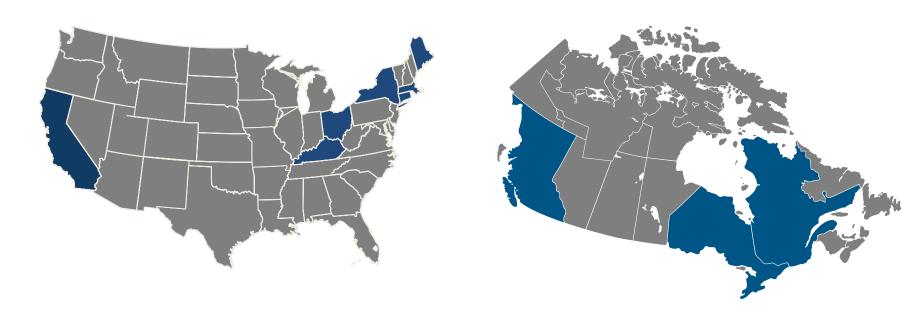
# LED STREETLIGHT UPGRADE North Huron

18 September 2017 Scott Vokey, Director of Government Relations



## RTE STREETLIGHT PROJECTS



Projects in 7 States and 3 Provinces (most in Ontario)

Case Studies, White Papers, and more available on <a href="http://www.realtermenergy.com">http://www.realtermenergy.com</a>

#### EXPERIENCE WITH TURNKEY CONVERSION PROJECTS





#### PROGRAM RESULTS TO DATE



#### Association of Municipalities of Ontario:

- Exclusive Partner of Association's procurement arm (LAS)
- 70% of municipalities who have converted have chosen RealTerm





Over 60,000,000 kWh annual savings





Approx. \$10,000,000 annual savings





\$3,500,000 annual savings





7,000 metric tonnes / year



## COMPLETE TURNKEY CONVERSION













**Billing Changes** 



Final Report & Binder





Staff looking for Council direction

## **OPTIONS TO CONSIDER**

## Option 1: All Streetlights

Number of Fixtures	582	
Total Project Cost	\$448,993	
IESO Incentive	\$47,440	
Net Cost	\$401,773	
Average Annual Cost Per Fixture	-53% (\$94 after, \$201 before upgrade)	
Simple Payback	6.0 years	

## Options 2: Cobra-head Fixtures Only

Number of Fixtures	442	
Total Project Cost	\$220,734	
IESO Incentive	\$44,140	
Net Cost	\$176,594	
Average Annual Cost Per Fixture	-53% (\$92 after, \$199 before upgrade)	
Simple Payback	3.6 years	

## Recommended Fixtures

Туре	Qty.	Replacement	Sample Before Picture	After Picture
HPS Cobra	359	Cree HO Cobra BXSPR		
HPS Cobra	73	Cree HO Cobra BXSP1		
HPS Cobra	10	Cree HO Cobra BXSP2		
Victorian Lantern Post Top (Type 1)	35	Acuity Brands 245L		Contraction of the Contraction o
Decorative Top Hat 150W HPS	64	Acuity Brands 72W_AVPL2 20LEDE10	7 7	
Decorative Downlighting Bell 150W HPS	41	King Luminaire K823	5	

### **Recommended Decorative Options**



Contempo LED



Falconridge Sr.

Granville II LED



#### **Next Steps**





### TURNKEY PROJECT MANAGEMENT AND INSTALLATION





## QUESTIONS?



