

SEAC

June 8, 2017

Smart Cities Lighting Program

- Approximately 60,000 street lights
- Plenty of opportunities for “smart” applications!
- Climate Action Plan (CAP) support
- Municipal Energy Strategy



Adaptive Control & Sensor Pilot

- Adaptive Control Pilot 2014
 - Meter testing and verification
 - Validated performance, & data transfer
 - First approved meter and pilot rate
- Sensor Pilot 2016
 - Parking optimization
 - Apps for open parking, violations, abandoned vehicles
 - Data & analytics
 - City owns all data
 - Extra ports for future sensor capabilities



Intelligent Cities Outdoor Lighting Project

- Retrofit 14,000 outdoor lights with LED adaptive control technology
- 3,200 sensor nodes
- 11.6 Million Watt Hours annually saved
- Deployment expected Fall 2017
- \$2.8M/year in savings
- Sensor capabilities include:
 - Parking
 - Traffic
 - Mobility
 - Environmental
 - Security

