Municipal LED Streetlight Project

Wrap-Up Meeting and Transition to O&M

September 5, 2014
for DPW Directors and Lead Project Contacts
AGENDA

• Welcome, Intro’s
• Project Recap
• Billing Revisions
• Annual M&V
• Last Call
• O&M Info

Provincetown Aerial Views*
Before (high pressure sodium)  After (LED)

*Aerial photos by Kelsey-Kennard Photography, Chatham, MA
Welcome & Introductions

- Please sign-in
- Take hand-outs including Siemens O&M Binder
- Ask questions at any time
- Let’s sunset this one!
**OVERALL TOTALS**

- 23 Participating Municipalities
- 15,700 eligible* lights converted (projected 12/31/2014)
- 17,000 points GIS GPS-mapped
- Annual energy savings > 3,310,000 kWh (approx. 70% reduction)
  - Annual utility bill savings > $657,000
  - Annual maintenance savings > $212,000
- Combined Annual billing and maintenance savings > $869,000

**Energy Efficiency Program Funding by Cape Light Compact**

- Approx. $5.9 million (incl. GIS GPS-audit)
- 10-year energy savings performance contract (Ch. 25A)

*Eligible lights were municipal owned-roadway street lights (NSTAR S-2 tariff (Rate Code 82))
Project Highlights

– Multi-year, multi-phase, effort from early 2012 – 2014
  • Demonstration project led to 6-phase full conversion project
  • Mostly non-Summer work, 60-day adjustment period
  • Special Terms & Conditions unique to many communities
  • Provided for purchase from NSTAR for Phase II participation

– Special Recognition
  • Falmouth – greatest # of streetlights (2,573, not incl. adm. hats)
  • West Tisbury – greatest % energy savings (87%)
  • Provincetown – most engaged community in demonstration phase

– Thanks and Appreciation
  • So many... CLC Board members & staff, DPU/DOER, NSTAR, Town Administrators, DPW/Hwy staff, Selectmen and all involved
  • Awesome Siemens Team!!
Reminders

- **Any new ADDED streetlights**
  1. Submit Work Order Request for New Service Connection to NSTAR (Kathy White)
  2. NSTAR will send a bill for this W.O.

- **Any ‘PRIVATE’ streetlights (S-1 tariff, Rate Code 79 or 81)**
  Town or Fire District can request to buy from NSTAR and once municipal owned convert to LED through Siemens and Cape Light Compact

- **Notes:**
  1. Please notify Siemens when you add, change or delete a light to keep O&M billing up to date; and,
  2. Be sure the new LED fixtures are added, if necessary, to insurance policy
BILLING REVISIONS

- Submitted to NSTAR by Siemens on Town-wide batch
- Requested billing revisions as of date of substantial completion
- See HANDOUT for specifics for each Participant

ANNUAL MEASUREMENT & VERIFICATION

- Siemens will request by October each year a copy of billing detail and submit energy savings performance report to Cape Light Compact
- CLC submits Annual Report to DOER (for 10-years)
Punch List Items, Last Call Opportunities & O&M

– Town-by-town review of any outstanding items
– Last Call opportunities (floods, decoratives) will be included in final Phase 6
  • Subject to cost-effectiveness screening
– Operations & Maintenance
  • Siemens contacts
  • Outage reporting
  • New Service Connection W.O.’s to NSTAR
THANK YOU

Town of Falmouth Aerial Views | Before - After