

Municipal LED Streetlight Project

Wrap-Up Meeting and Transition to O&M

September 5, 2014

for DPW Directors and Lead Project Contacts



Working together toward a smarter energy future

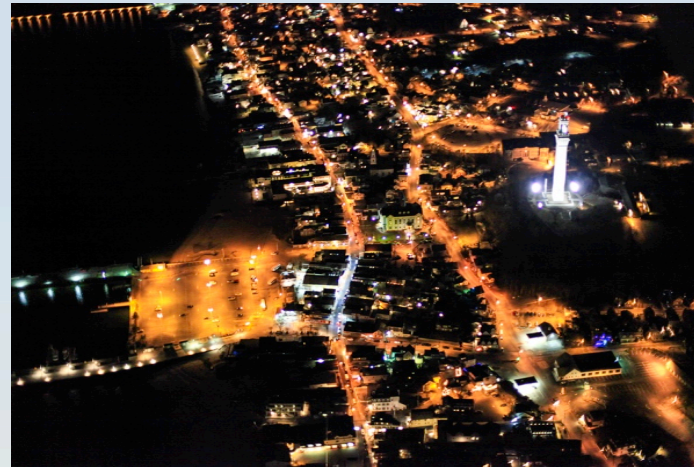
AGENDA

- 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!



Project Recap



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 & Annual M&V



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

