

Climate Smart Communities Webinar

Telephone call-in number

- 1-866-394-2346
- Code: 1982360347#
- No audio signal will be transmitted over the Internet



Climate Smart Communities Webinar

December 10, 2014

Best Practices in LED Streetlight Conversions



This webinar will begin shortly. Please be considerate of your fellow attendees:

- Please mute your phone to reduce background noise
- If you need to take an incoming call, please hang up this line first, and then pick up the incoming call
- Please do not put your phone on hold at any time.
- To ask a question, please type your question or comment in the chat box feature.

Welcome

Kim Farrow

Environmental Program Specialist

Office of Climate Change

New York State

Department of Environmental Conservation



Climate Smart Communities Webinar

E-Mail Addresses



- Mark Lowery
mark.lowery@dec.ny.gov
- Kim Farrow
kim.farrow@dec.ny.gov
- Climate Change Office
climatechange@dec.ny.gov

Climate Smart Communities Webinar

Website Address



<http://www.dec.ny.gov/energy/50845.html>

Climate Smart Community Webinars

Schedule: <http://www.dec.ny.gov/energy/86246.html>

- January 8, 10:30 a.m. *Getting to Net-Zero Homes*
- February 12, 10:30 a.m. *NYSDOT Flooding Vulnerability Assessment*
- March 12, 10:30 a.m. *Mobilizing Regional Climate Action*

Beginning the Certification Process



1. Review certification materials
2. Designate a project coordinator
3. Get organized
4. Gather publicly available information
5. Request materials from local government staff

Recommendation: Start with priority actions – see “First Steps” resources guide at

www.dec.ny.gov/energy/96532.html .

Applying for Certification

1. Complete documentation submittal form for each action
2. E-mail form and required documentation for each action to climatechange@dec.ny.gov.
3. If necessary, mail to

New York State Department of Environmental Conservation
Office of Climate Change
625 Broadway
Albany, N.Y. 12233-1030
Attn: CSC Certification

Recertify in five years



The image shows a submittal form for the Climate Smart Communities Certification Program. The form is titled "Climate Smart Communities Certification Program" and "Documentation Submittal Form". It includes a section for "Documentation" with instructions: "Complete this form for each action to which you are submitting documentation under items 1, 2, or 3 of the action. Place or check (check in the appropriate section) the appropriate documentation in the Public Notice for the action. For actions with multiple documents to be submitted, carry one form per document to be submitted." Below this, there are sections for "Action # and Name", "Document(s) Submitted (to the State and not required for all documents submitted, or including the original submitted with a file that also account for the website or website)", and "Accounting of Document(s) Submitted (submit only the submitted document(s) and the information of this document in relation to the action or website)". There are also fields for "Submitted Date" and "of _____ copies".



LED Streetlight Conversions



Climate Smart Communities Webinar
December 10, 2014



Engineering, Surveying and Landscape Architecture, P.C.

An Independent Contractor to NYSERDA



Introduction

- VHB: Regional CSC Coordinators for Mid-Hudson Region



- LED Streetlights:
 - Pledge Element 3
 - Eligible for 5 points under Action 3.15 in Certification Program





What is the big deal with streetlights?

- Streetlights can be as much as 40% of municipal energy use and 60% of energy costs
- LEDs present significant savings opportunity
 - Electricity: 25 – 75% energy savings
 - Maintenance
- Perform well with regard to efficacy, quality, lifetime



Credit: DesignLights Consortium

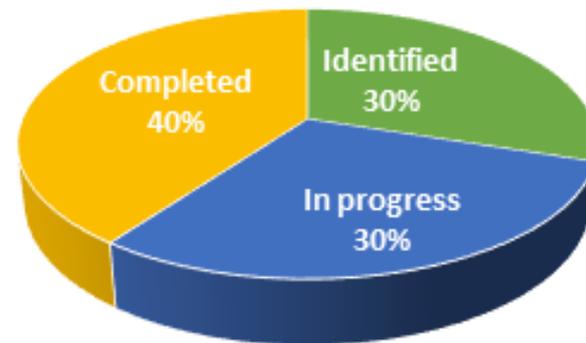




What are Climate Smart Communities telling us?

- 19 CSCs = currently considering or have already converted streetlights
- Ownership challenges: utility vs muni. *Majority of NY streetlights are utility-owned.*
- Looking for additional guidance

Mid-Hudson Climate Smart Communities
LED Streetlight Installations



■ Identified ■ In progress ■ Completed





What are communities doing?

- Cities and towns are converting to LED streetlights
- Reaching out to utilities to discuss conversion and/or buyback options
- PSC and utilities re-examining rate tariffs to allow for LEDs





Tools & Resources

- Mid-Hudson CSC Website: www.midhudsoncsc.org
- DOE Municipal Solid-State Street Lighting Consortium: <http://energy.gov/eere/ssl/doe-municipal-solid-state-street-lighting-consortium>
- MAPC resources: <http://www.mapc.org/led-street-lighting>
- Clinton Climate Initiative

CSC RESOURCES & TOOLS

HOME | CSC RESOURCES & TOOLS

RESOURCE LIST

Local governments who join the Climate Smart Communities (CSC) Program benefit from the experience and knowledge of existing CSCs with mature programs. Below you will find a list of the CSC Pledge Elements with specific examples of actions taken by CSCs to achieve the goals of each Pledge Element.

Click on the [+] to expand each Pledge Element and view the related climate protection actions.

- + 1. Pledge to be a Climate Smart Community
- + 2. Set Goals, Inventory Emissions, Plan for Climate Action
- + 3. Decrease Community Energy Use
- + 4. Increase Community Use of Renewable Energy
- + 5. Realize Benefits of Recycling and Other Climate-Smart Solid Waste Management Practices
- + 6. Reduce Greenhouse Gas Emissions Through Climate-Smart Land-Use Tools
- + 7. Enhance Community Resilience and Prepare for the Effects of Climate Change
- + 8. Support Development of a Green Innovation Economy
- + 9. Inform and Inspire the Public
- + 10. Commit to an Evolving Process of Climate Action

ADDITIONAL CLIMATE SMART COMMUNITIES RESOURCES

CSC RESOURCE SEARCH

VIDEO HIGHLIGHT:
"SIMPLIFY SOLAR PERMITTING"

PROJECT PERMIT: Cutting red tape for solar energy

\$400 + \$600 = \$1000

NYSERDA FUNDING & RESOURCES GUIDE

The NYSEDA Guide identifies available funding (POPs) and technical support for local governments according to the 10 Pledge Elements to make it easier to navigate and take advantage of available resources.

CLICK THE IMAGE TO DOWNLOAD THE NYSEDA RESOURCE GUIDE FILE (ZIP/MS EXCEL)



Thank you!



Kari Hewitt, Sustainability Planner

climatesmart@vhb.com

www.midhudsoncsc.org

617-924-1770



Engineering, Surveying and Landscape Architecture, P.C.

An Independent Contractor to NYSERDA

ELECTRIC LIGHT IS NOW CHEAPER

City of Yonkers LED Street Light Replacement Program

Brad Tito

Director of Sustainability

City of Yonkers



THE
HAMILTON

VITAGRAPH
SPECIAL

MARSHALL MATHESON & CO

DRY GOODS

MARSHALL MATHESON & CO

DRY GOODS

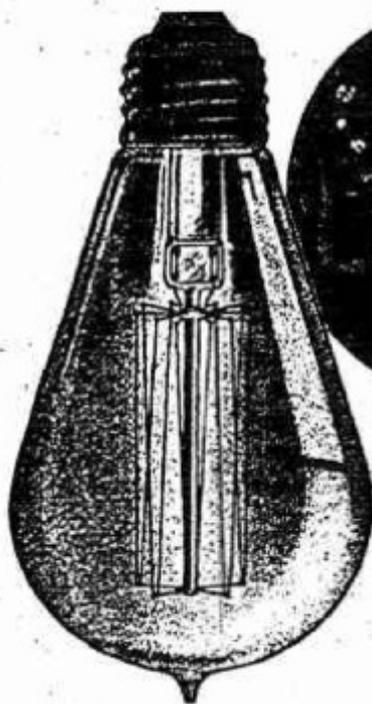
JA

STOUT
\$1.25
90%
BUT
\$1.17



Electric Light is Now Cheaper

For Residences—Public Buildings—Offices—Stores—Factories



30 Reasons for Using
Electric Light

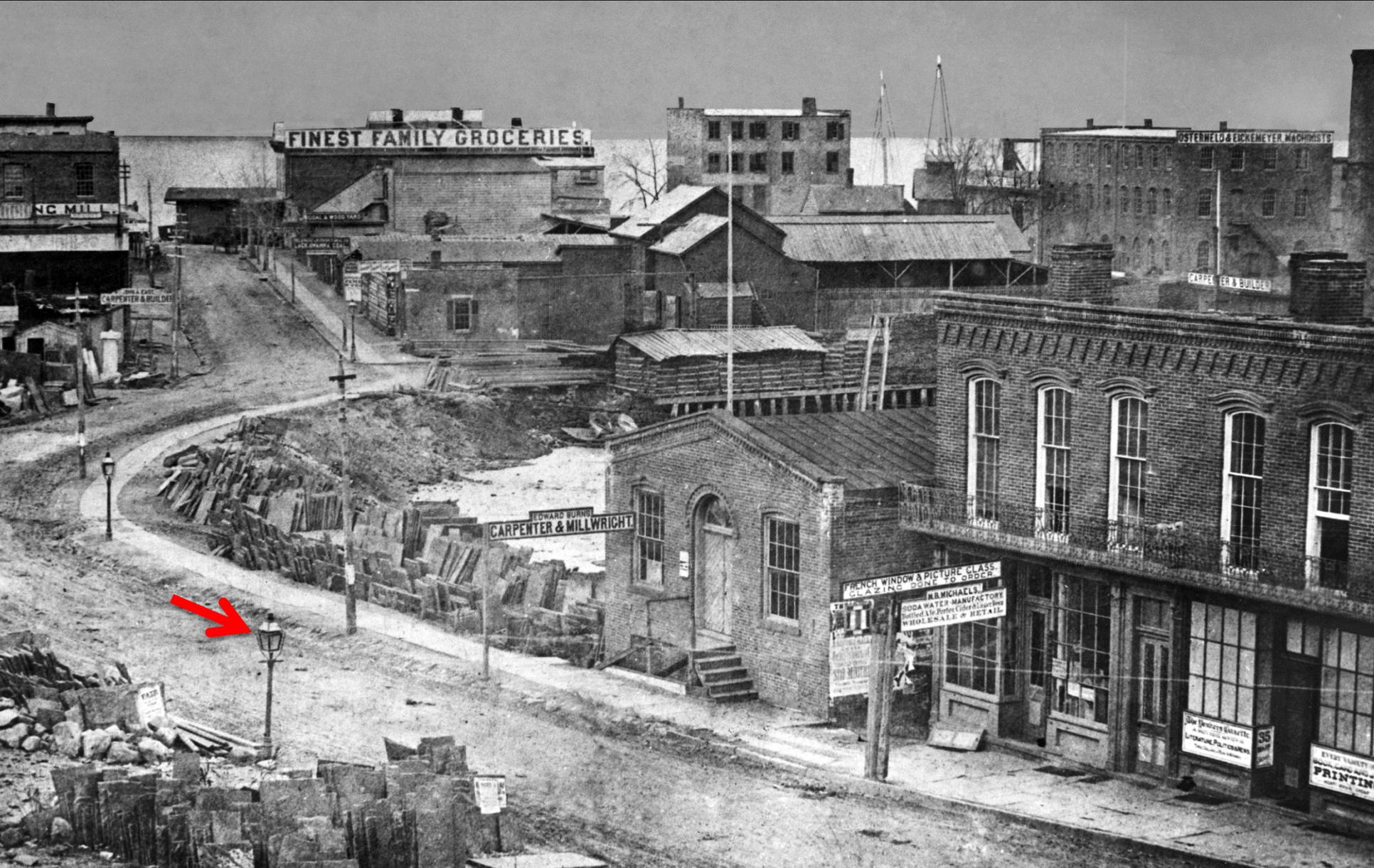


Think of the reasons why you have always wanted electric light.

These reasons have doubled because the cost of electric light has been cut in two.

General  Electric

1861 - First Gas Street Lights in Yonkers

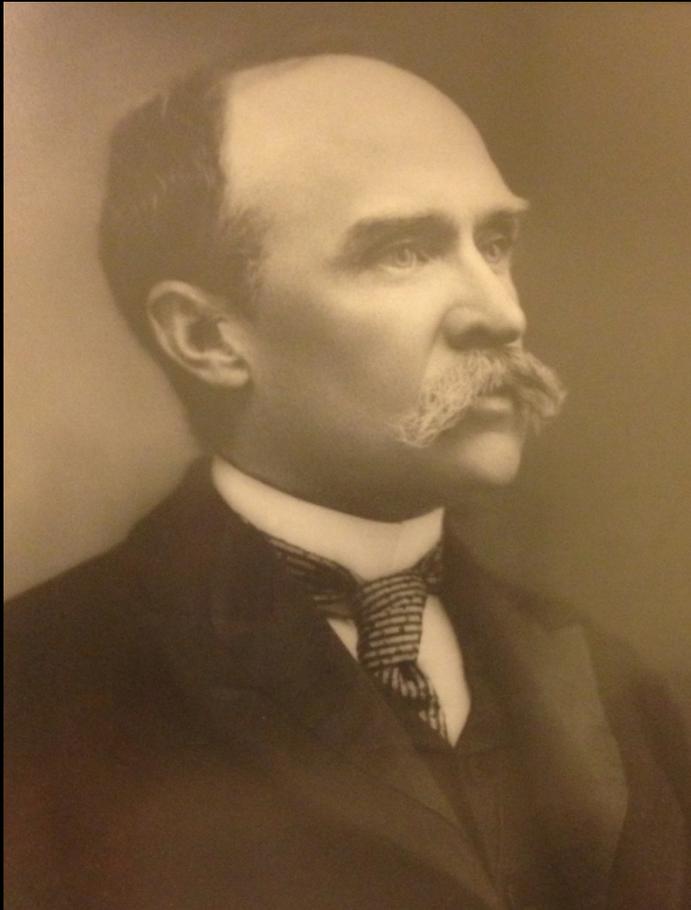


Yonkers Waterfront in the 1800s



Drawing the Retorts at the Great Gas Light Establishment, Brick Lane.

1886 - First Electric Street Lights in Yonkers



Yonkers Mayor J. Harvey Bell

THE YONKERS STATESMAN.

A DAILY JOURNAL IN THE INTEREST OF WESTCHESTER COUNTY.

Mayor Bell presented a proposed contract with the Schnyler Electric Light Company for lighting by electricity the territory included in the following boundaries: Beginning at the corner of South Broadway and Prospect street, Buena Vista avenue, Dock street, Atherton street, Wells avenue, North Broadway, Ashburton avenue, Nepperhan avenue, South Broadway to Prospect street, from Sept. 15, 1886, to Sept. 15, 1889. The lights to be lighted from sunset to sunrise.