

**2010 DOE SSL
MARKET INTRODUCTION WORKSHOP**

Pre-Conference Webcast -

Evaluating LED Street Lighting Solutions

Edward Smalley – Moderator

July 20, 2010 • Hyatt Regency Penn's Landing
Philadelphia, PA

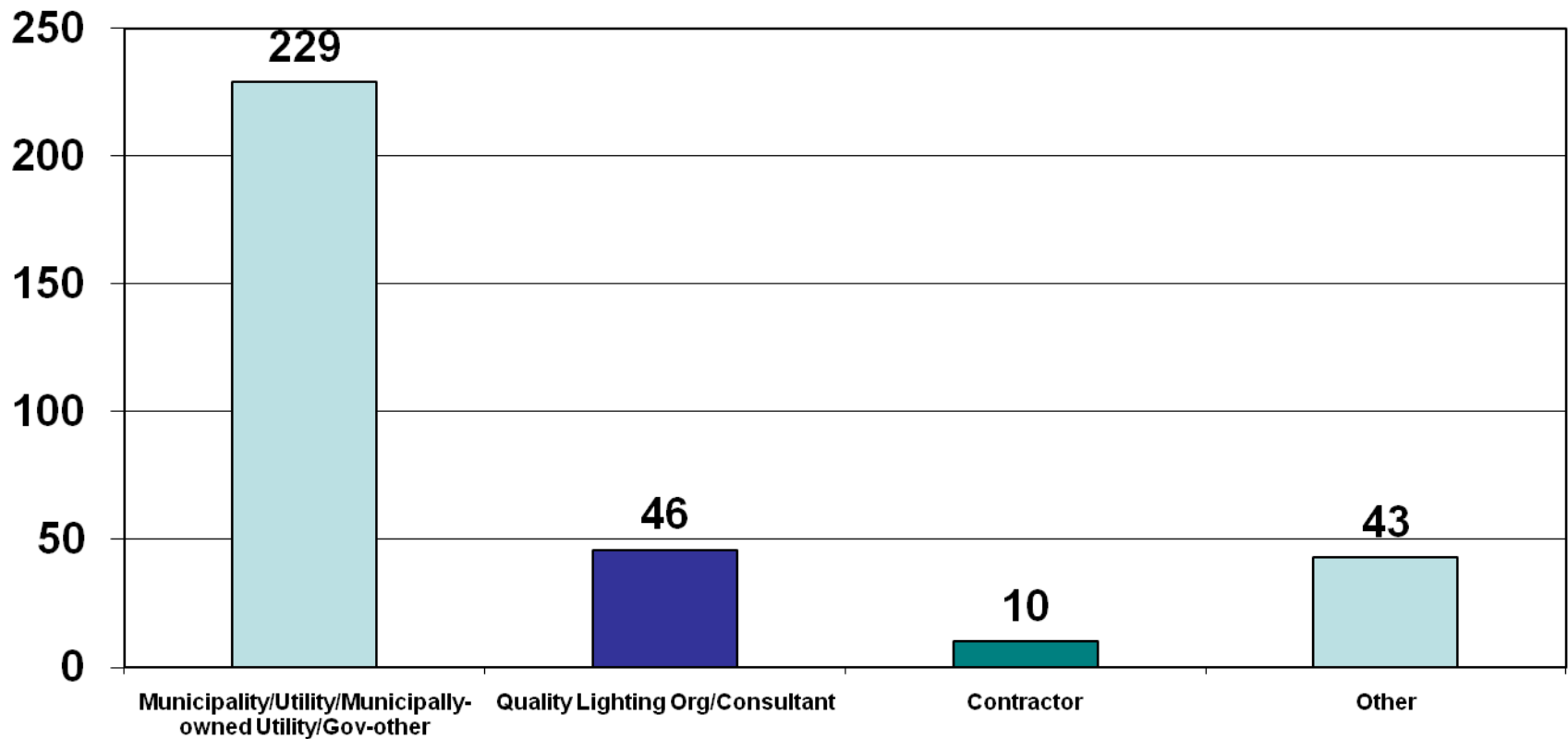
Participants:

Tod Rosinbum - City of Portland, OR, Transportation Dept.

Amy Olay - City of San Jose, CA, Dept of Transportation

John Walter – national**grid**, Outdoor Lighting

Membership Applications Overview



Application Progress

Org Type	Advisory	Guest	Pending	Primary	Grand Total
Academia	2		1		3
Consultant	1	1	39		41
Contractor			10		10
Energy Efficiency, Conservation,	3		12		16
Gov-Other	3		8	7	18
Media			2		2
Municipality		7	63	65	138
Municipally-Owned Utility			2	19	22
Other			17	1	22
Quality Lighting Org	2		3		5
Utility		4	20	26	51
Grand Total	11	12	177	118	328

Select Member Comments

- Various organization sizes, some large, some small...

Chandler, AZ - We are a city of 250,000 people, with 27,000 street lights. We have two LED projects under construction in the City. One is 3.5 miles of multi-use path lighting with solar powered LEDs, and the other is our downtown road narrowing project retrofitted with street and pedestrian level LEDs. We'd like to learn more from other cities on what they have going on.

Select Member Comments

Village of Croton on Hudson, NY - Our village operates 650 street lights and another 150 area light (at parking lots, etc) with a utility bill for this lighting at nearly \$90,000 per year. Our interest is in reducing future operating costs while providing higher quality light.

The City of Seattle Converts to LED Streetlights



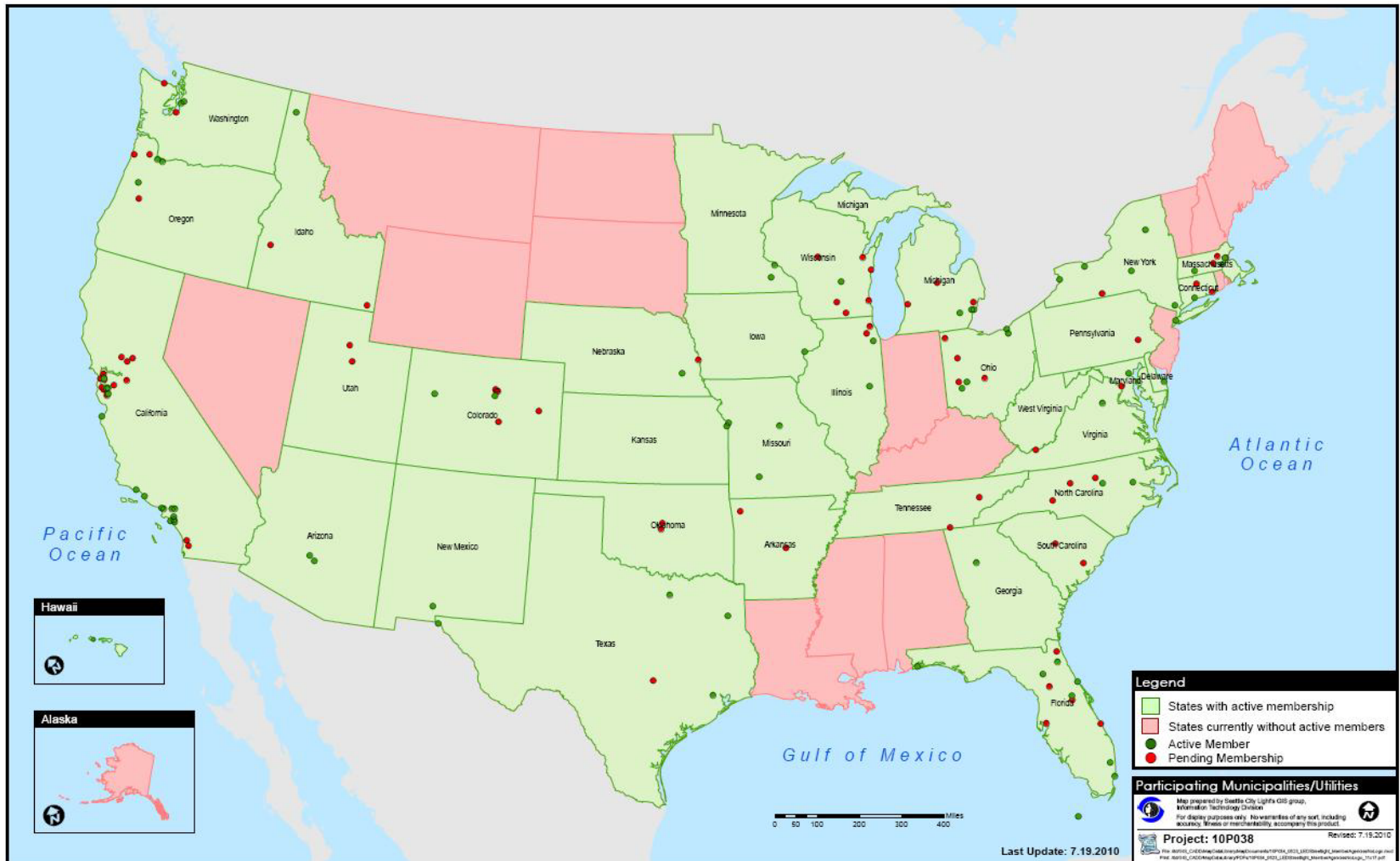
Select Member Comments

Air Force Space Command has operational control over 9 major Air Force bases and numerous sites that all have street and parking lot lights. We recently completed an 18 month business case analysis of converting to LED technology and vetted through many companies doing market research, product testing and evaluated performance of LED fixtures to include solar powered. - Fox

Select Member Comments

Georgia Power (850k streetlights) - Our goals are to Support the Consortium's mission to identify and educate municipalities, utilities, and others in the selection of good solid state street lighting products. And be an active participant in the development of Solid State lighting.

Municipal Solid-State STREET LIGHTING CONSORTIUM



Executive Committee

1. Carl Anderson, US DOT
2. Ed Ebrahimian, City of LA, Bureau of Street Lighting
3. Michael Stevens, Georgia Power
4. Ghanshyam Patel, City of New York, Streetlight Div
5. Rick Kauffman, IES Roadway Committee, Kauffman Consulting
6. Ron Gibbons, Virginia Tech Transportation Institute
7. Tod Rosinbum, City of Portland, Transportation Dept

Manufacturers, Register to Participate!

- Have you seen our new manufacturers web page?
- Designed to generate a list of fixtures that meet the Buy American requirement, and
- Allow registration for the Consortium's manufacturers reference list for those available for presentations or document review

Manufacturer's Web Page

- Fixtures that meet the requirements listed on the web page will be made available to consortium members for consideration
- These may be used in upcoming demonstrations
- Go to:
http://www1.eere.energy.gov/buildings/ssl/consortium_manufacturer.html
- or link from our main web page:
www.ssl.energy.gov/consortium.html

Work Group

- Remote Monitoring and Adaptive Lighting Controls
- Chair, Laura Stuchinsky, City of San Jose

Demonstration Sites

- Submit your sites for consideration
- Selected based on
 - location
 - Demographics and geographic situation

Quick Tip - Tools for Calculating LLF

- IES RP-8 Appendix A (A11) - Calculation and Measurement Parameters
- Independent test reports from a qualified test laboratory (http://www1.eere.energy.gov/buildings/ssl/test_labs.html)
 - Light source LM-80 (lighting source (LED) manufacturer)
 - Fixture – LM-79 (fixture manufacture)
- IES Handbook Chapter 6

Coming Up...!

- Survey of members lighting installations – July 2010
- Annual in-person meeting - Huntington Beach, CA (September 29, 2010) Don't forget to send back your registration...
- IES Street and Area Lighting Conference – Huntington Beach, CA (September 26 – 29, 2010)

Questions...?

Contact the Consortium

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www.ssl.energy.gov/consortium.html