

# LED Lighting Efficiency Program

*Utility Owned Street Lighting Pole and Associated Circuits Purchase*

WE KEEP PORTLAND MOVING.



**PBOT**  
PORTLAND BUREAU OF TRANSPORTATION

# LED Street Lighting

- **Converting 45,000 street lights**
  - Implementing in 2 years (December 2016)
  - Largest energy efficiency program in City history
- **City purchasing utility owned (PGE) 4,257 Street Light Only (SLO) poles and circuits (\$1.6M)**
  - City agrees to price set by OPUC
  - Purchase of poles has 3.5 year repayment

# Street Lighting Retrofit

## Review of Schedule

- Dec 2012 - Council approved \$18.5M Bond
- May 2013 - RFP for street light equipment
- Oct 2013 - Studied issue of equity
- Dec 2013 - Initial installation of LED
- Mar 2014 - Released RFP for installation
- Aug 2015 - Reached halfway mark
- *Early 2016 - Proposal for Historic Lighting*
- *Dec 2016 - Anticipated Completion*





STARBUCKS COFFEE

816

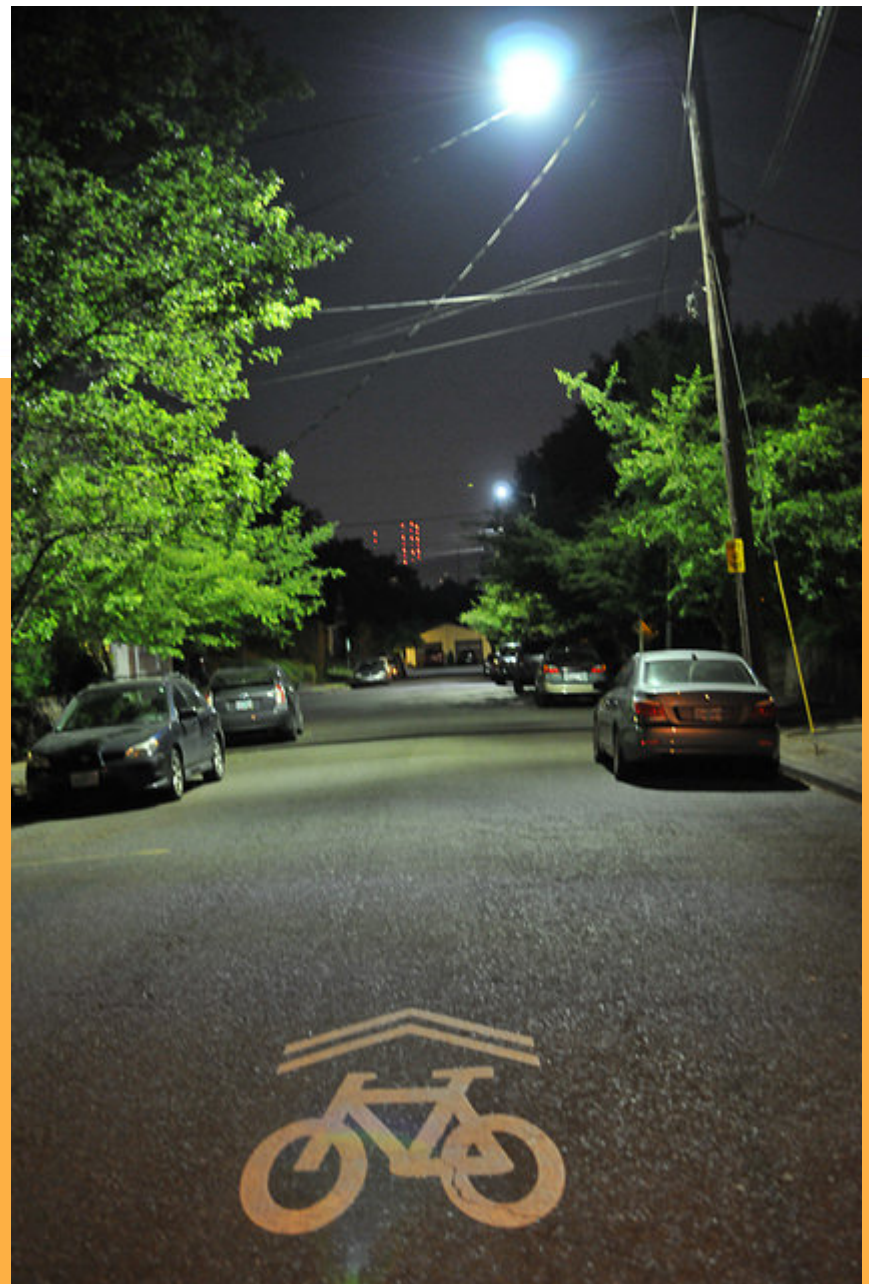
Chevrolet

Chevrolet

138 GNY

Champion







# PORTLAND'S NEW LED STREET LIGHTS **SAVE ENERGY**

SAVE  
**\$1.5**  
MILLION PER YEAR

USE  
**1/2**  
THE ENERGY

ELIMINATE  
**10,500**  
TONS OF CARBON  
POLLUTION

LASTS  
**4x**  
LONGER

@PBOTinfo #PDXLED

# Rewarded for Efficiency



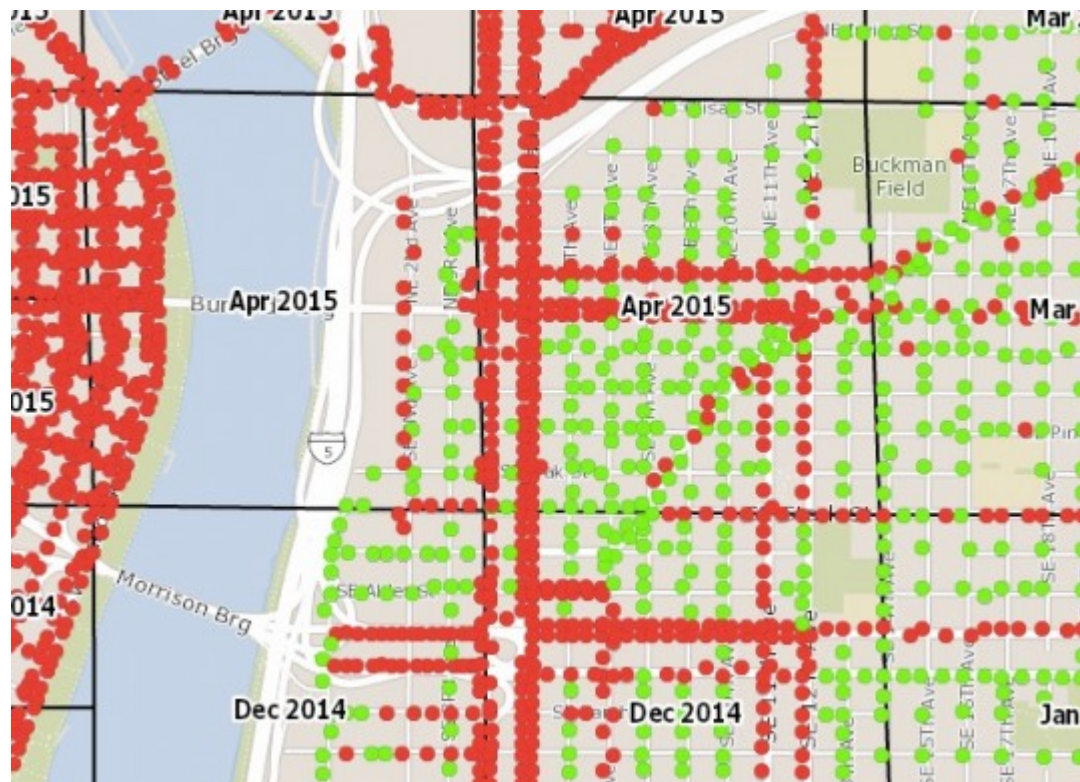
- Less time spent changing light bulbs
- Less energy consumption and GHG emission
  - Energy Trust of Oregon provided incentive
  - 1<sup>st</sup> City agency in Oregon to implement LEDs





# Tracking Progress Online

Improving Asset Management as Retrofit occurs





# Graffiti Abatement



- Existing contracts in place to mitigate graffiti on new “City owned” poles
- Currently reactive response to complaints, planning more active detection



**PRESERVE**  
what we have  
built and  
**OPERATE**  
it well



Embrace  
**VISION**  
**ZERO**



**BUILD A**  
**FUTURE**  
where all can  
grow and thrive



Effectively  
**MANAGE**  
**CITY ASSETS**



Contribute to the  
**HEALTH AND**  
**VITALITY**  
of our people and  
our planet