

STREETLIGHTS

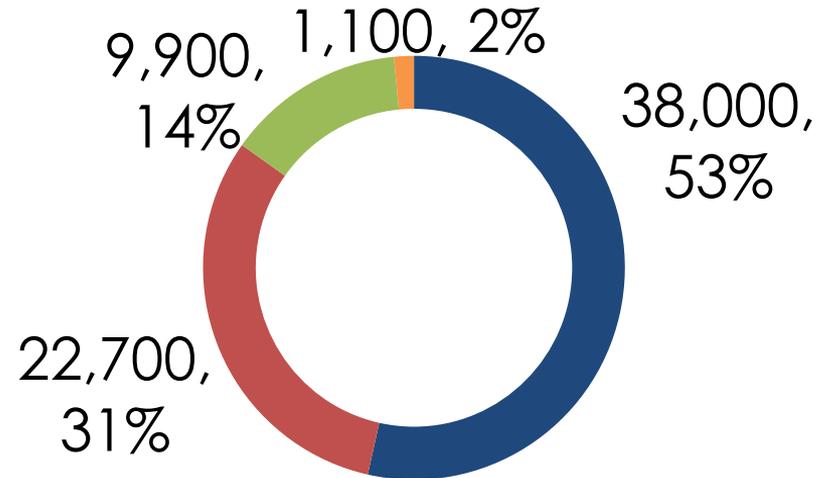
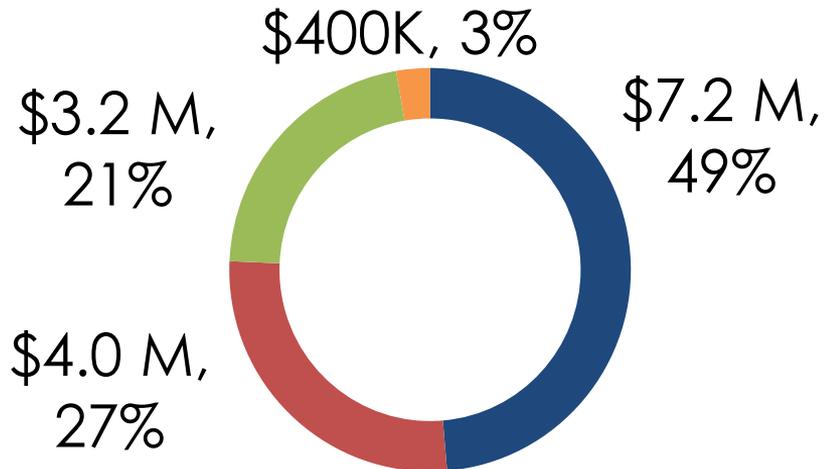
Presented by Ben Gorzell, Chief Financial Officer



Current Spend

FY 2016-17 Budget
TOTAL: \$14.8 Million

Streetlight Count
TOTAL: 72,500 Lights



Standard

LED

Expressway

Other

Projects Analysis

Conversion to newer technology could be done under existing spend

Focus on LED

Reduced Energy Usage

Reduced Fuel Costs

Reduced Maintenance & Replacement Costs



LED vs. HPS

LED

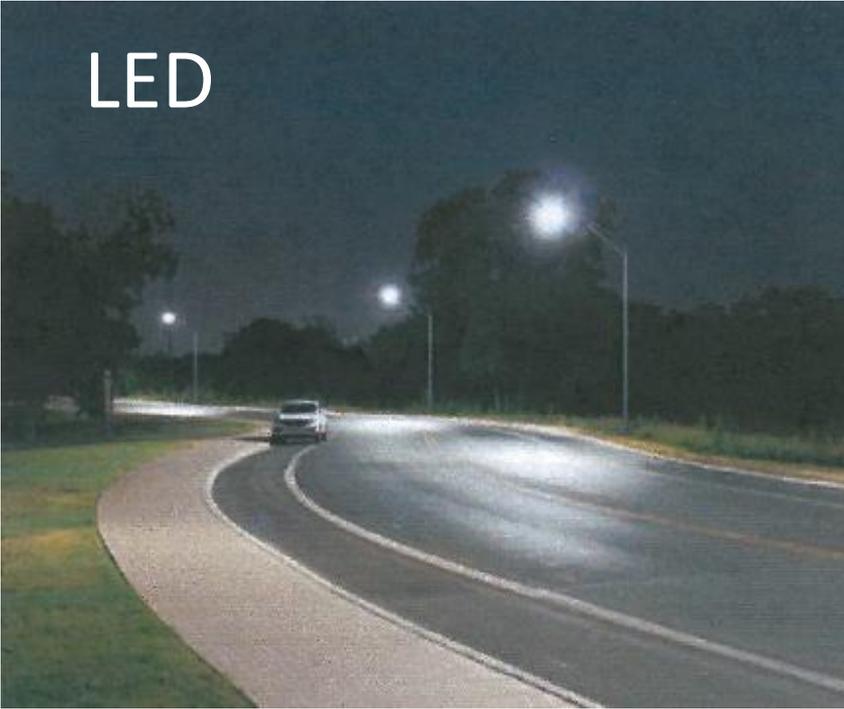


HPS

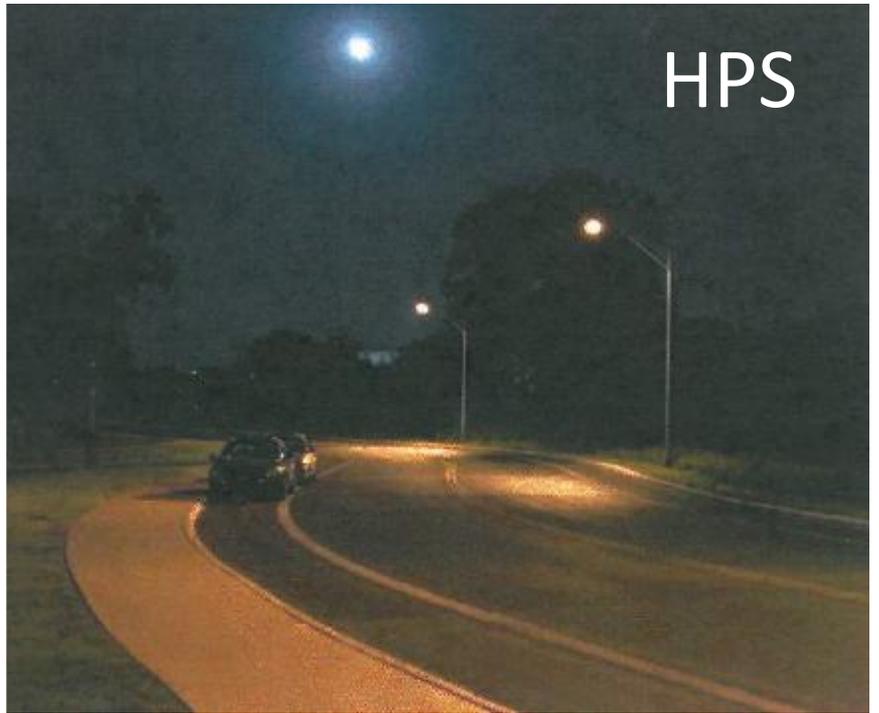


LED vs. HPS

LED



HPS



Projects Approved

Approved in 2012

5.1 MW Savings/Year, Equivalent to 1,595 Homes/Year

Major Thoroughfare LED
Streetlight Project

23,500 Lights

Completed in
October 2014



Downtown Retrofit

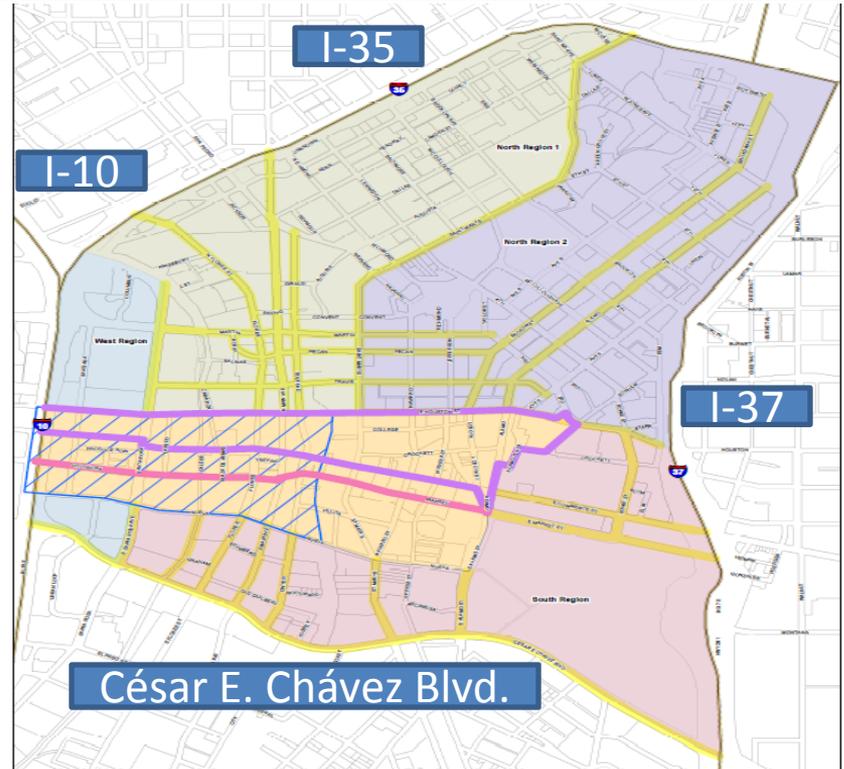
1,500 Lights

Completion Expected
October 2016



Downtown Retrofit

- 1,500 Streetlights
- 500 - 900 Decorative Poles and Bases
- 477 Retrofits Complete
- Completion Expected October 2016



District 5



- Additional LED Lighting
- \$2M Budget Funds
- Completion Expected October 2016
- CPS Design Options



Additional Projects

2.6MW Savings/Year, Equivalent to 806 Homes/Year

Residential LED Streetlight Retrofit

- 30,212 Streetlights
- Completion Expected Spring 2018
- \$30K Allocated by District to Add Lights:
Staff is Coordinating with Council Districts



Project Analysis

Staff continues to evaluate new technology options



Real Time Outage
Monitoring



Dimming
Capability



Consumption
Monitoring

Staff continues to evaluate informal unsolicited proposal