



Services of the San Francisco Public Utilities Commission

SFPUC Streetlight Program Update

**October 24, 2016
Barbara Hale, Assistant General Manager
Power Enterprise**

Presentation Outline



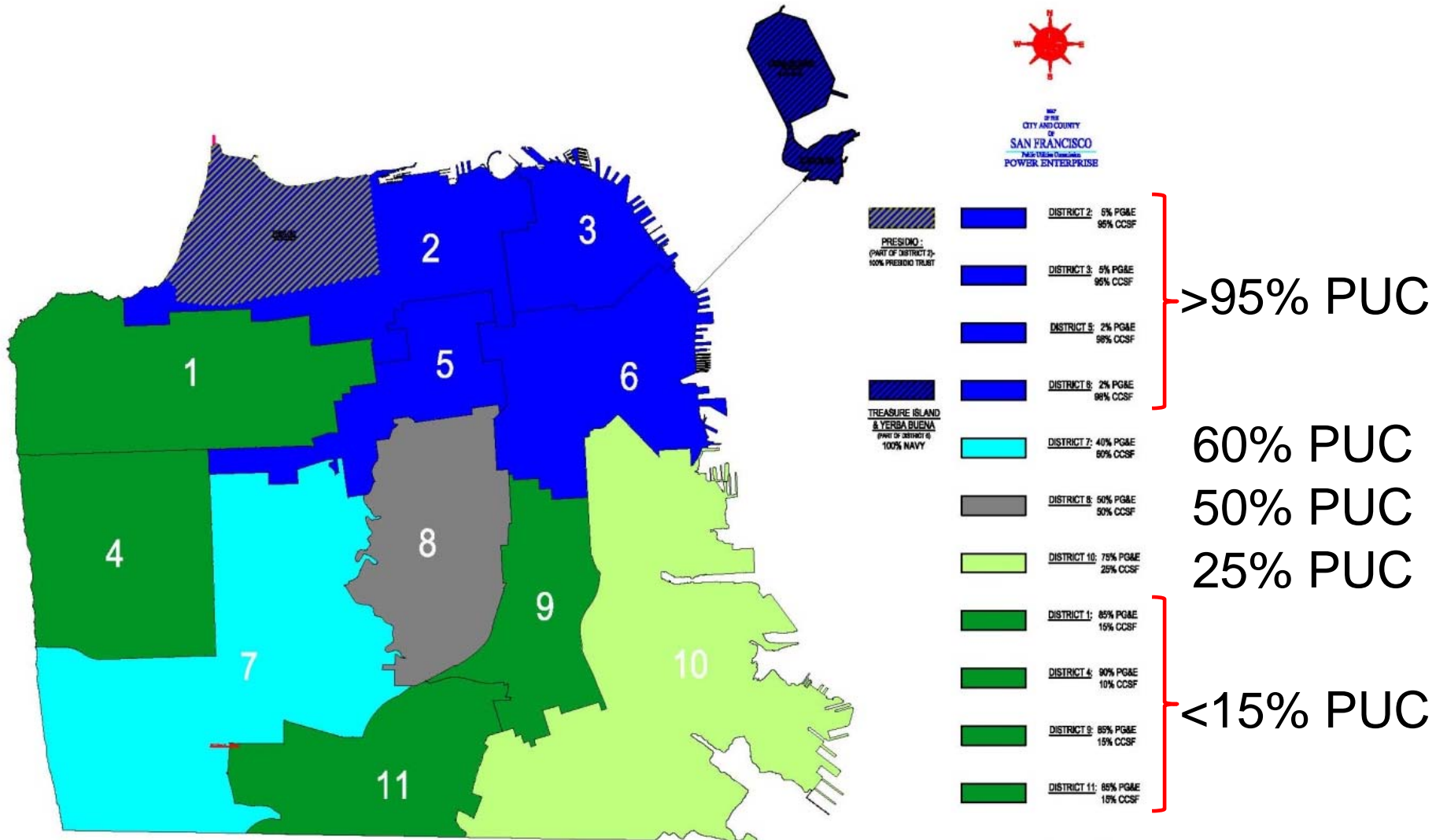
1. San Francisco Streetlight Ownership
2. SFPUC Streetlight Levels of Service – Goals and Performance
3. SFPUC Streetlight Maintenance
4. LED Conversion
5. Pedestrian Lighting Strategies
6. Distributed Antenna Systems
7. SFPUC Program Moving Forward



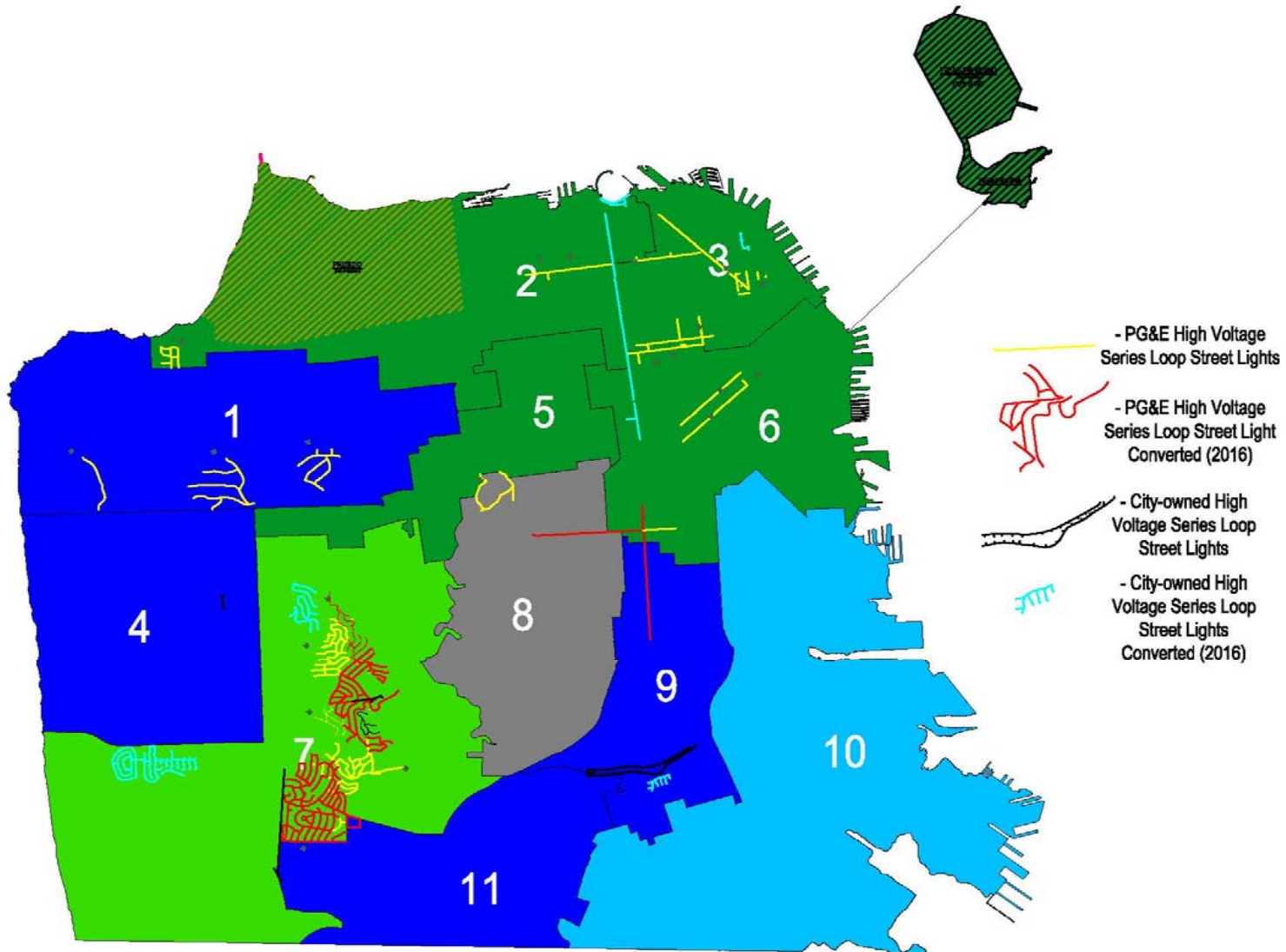
San Francisco Streetlight Ownership

Streetlight Owner	# of Lights	Power Provider	Maintained By/ Paid By
SFPUC	26,000	SFPUC	SFPUC/SFPUC
PG&E	18,498	SFPUC	PG&E/SFPUC
DPW	70	SFPUC	DPW/DPW
Caltrans	610	PG&E/SFPUC	Caltrans/SFPUC
U.S. Navy	296	SFPUC	SFPUC/SFPUC
RPD	Unknown	SFPUC	RPD/RPD
Presidio Trust	Unknown	Presidio Trust	Presidio Trust
MUNI	Unknown	SFPUC	MUNI/MUNI
Port	Unknown	SFPUC	Port/Port

SFPUC Streetlight Ownership By District



Map of Series Loops





Streetlight Problem Reporting

1. Residents report streetlight issues to 311.
2. Residents may also report streetlight problems via StreetlightsSF app.
3. 311 automatically relays streetlight issues to SFPUC via electronic file. Non-business hour street light emergencies are reported immediately by phone.
4. SFPUC reviews internal digital database to determine ownership.
5. 311 provides information to PG&E for PG&E owned lights.





SFPUC Levels of Service Goals

Repair Type	Repair Timeline		
	24 Hours	48 Hours	> 48 Hours
	Check/Make Safe	Return to Service	Repair/ Replace
Pole			
Knockdown	✓		21 days
Leaning	✓		180 days
Cover Missing	✓	✓	
Wires Exposed	✓	✓	
Paint Damaged			180 days
Light			
Burnt Out		✓	
Flickering		✓	
Day Burner		✓	
Lens Missing			30 days



Streetlight Levels of Service: FY 15-16

Outages:

- Total Outages FY15-16: **3,520**
- Average # of Days to Close: **2.75**
- % Closed within 48 hours: **66%**





Streetlight Maintenance Challenges: FY 15-16

Scheduled:

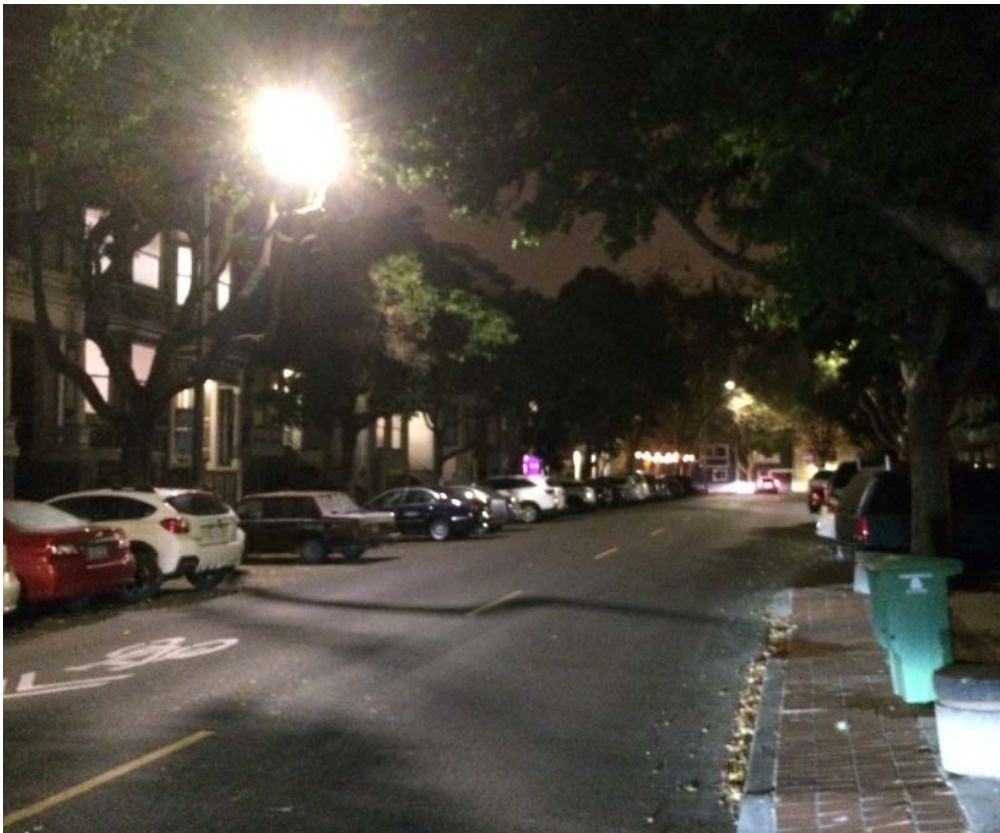
- Pole Assessment Program
 - 9,537 streetlight poles assessed
 - 9,327 poles in acceptable condition
 - 210 poles replaced as a result of assessment
- Transition to new PG&E tariffed service

Unscheduled:

- 30,655 Underground Service Alert requests processed
 - SFPUC has 5 days to respond to requests (80 per day)
- 6,460 requests from 311 received and 3,520 processed
 - SFPUC priorities include requests from high crime areas, public safety issues, and those from the Board of Supervisors.
- 40 Pole Knock Downs. 100% fixed with lighting restored
- Materials tracking system

Street Light Maintenance Challenges: Street Trees

Street trees can impair lighting performance





LED Conversion: FY 15-16

- Procuring approximately 18,000 LED Lights
- Procurement with OCA
- Estimated completion date for Citywide LED Conversion is 18 months after procurement



Pedestrian Lighting Policy

Better Streets Plan (2010)

- Provides guidance on how to design pedestrian friendly streets.
- Encourages street lighting design with adequate light levels for pedestrians.

SFPUC Pedestrian Lighting Policy

- Adopted in January 2012
- SFPUC accepts ownership responsibility for future pedestrian lights in predefined conditions.
- SFPUC requires sponsors of improvements to include pedestrian lights.
- SFPUC adopted a Capital Fund in 2014





Distributed Antenna Systems: FY15-16

Regulatory Approval

- 2014 SFPUC Commission approves program
- 2014 Board of Supervisors approves Master License Agreements for each new carrier

Revenue to Date

- \$1,127,438 in revenue as of October 1, 2016

Projected Revenue

- \$24,667,587 projected revenue for **existing** pole and conduit license applications in 12 years
- \$35,904,127 projected revenue for **anticipated** pole and conduit license applications in 12 years





SFPUC Streetlight Program Moving Forward





Recent Updates and Plans

- Recently completed series loop conversions:
 - Aquatic Park
 - Montgomery Street
 - Forest Hill
 - Lakeshore
- Assessment and Pole Replacement Program
- DAS Project
- Completed Materials Procurement for 3rd Street Light Rehabilitation Project

Map – Pole Assessment and Replacement Program



T14

Updated: 8/1/2016 4:45 PM

Questions?

