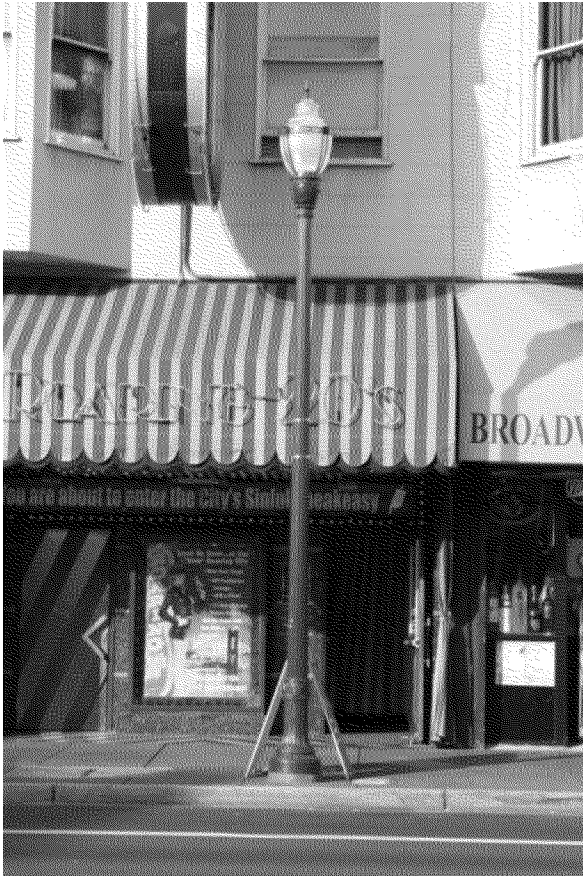


San Francisco Street Light Hearing

**May 21, 2012
Barbara Hale, AGM
Power Enterprise**

Presentation Outline



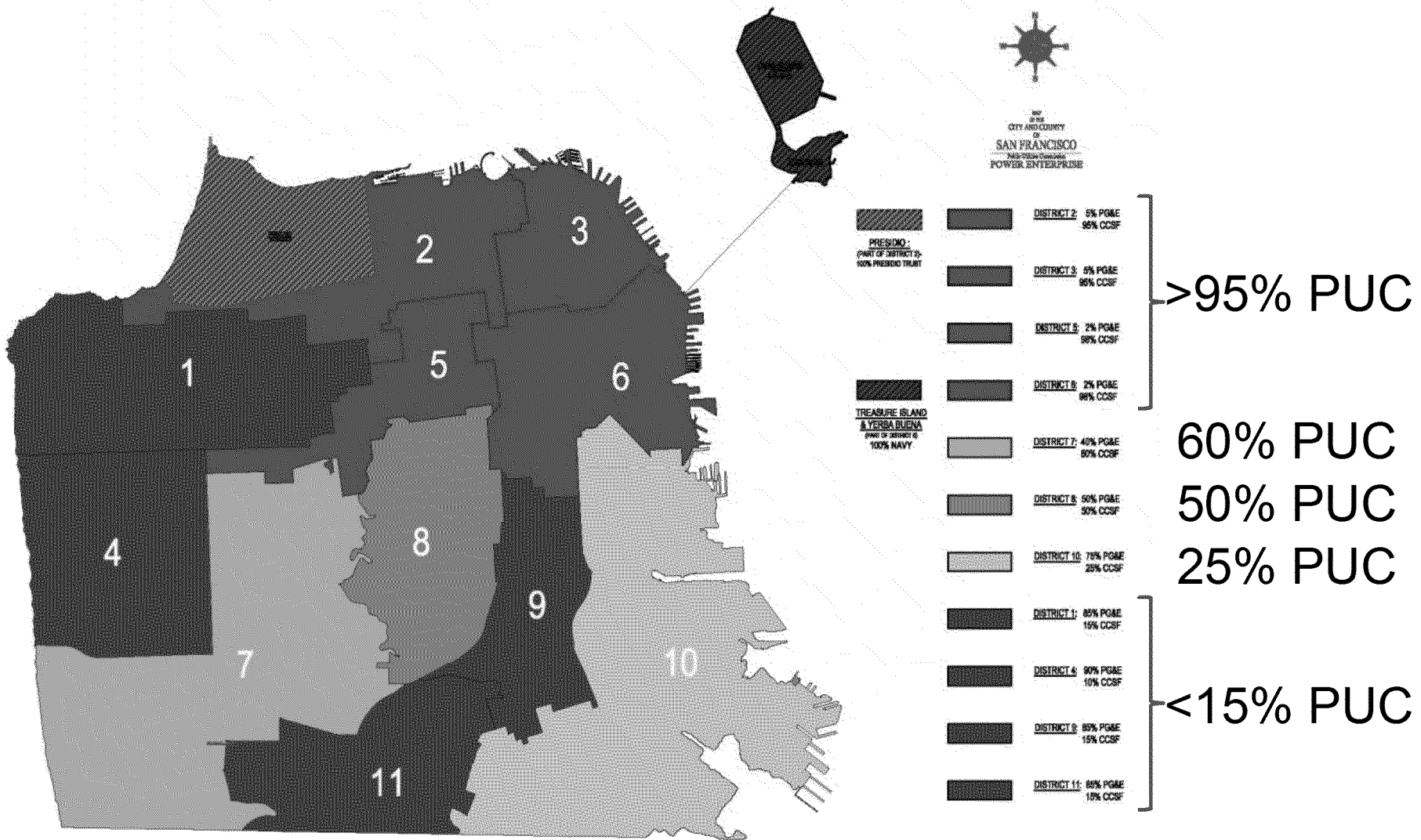
1. San Francisco Street Light Ownership
2. SFPUC Street Light Levels of Service
3. SFPUC Street Light Capital Funding and Priorities
4. PG&E Street Light Responsibilities
5. Recommendations

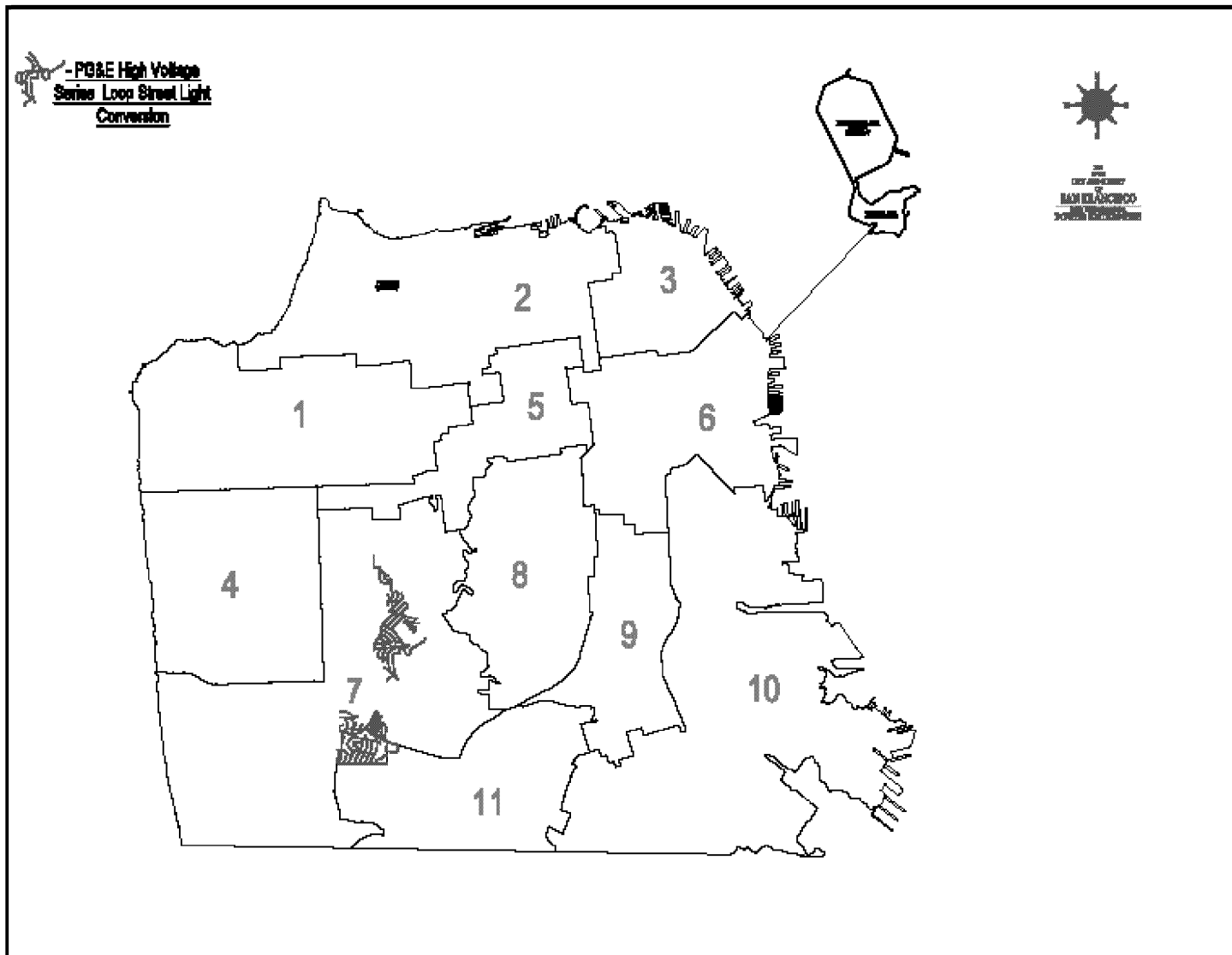


San Francisco Street Light Ownership

Street Light Owner	# of Lights	Power Provider	Maintained By/ Paid By
SFPUC	25,509	SFPUC	SFPUC/SFPUC
PG&E	19,019	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 Street Light Ownership By District





San Francisco Public Works Department, Planning & Research Division, 2010

Street Light Problem Reporting

1. Citizens report street light issues to 311.
2. 311 relays street light issues to SFPUC via LAGAN software. Non-business hour street light emergencies are reported immediately to the Utility Services Manager by phone.
3. SFPUC reviews internal digital database to determine ownership.
4. PG&E has voluntarily coordinated with 311 since 1/2011.



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	X		21 days
Leaning	X		180 days
Cover Missing	X	X	
Wires Exposed	X	X	
Paint Damaged			180 days
Light			
Burnt Out		X	
Flickering		X	
Day Burner		X	
Lens Missing			30 days

Street Light Levels of Service

Average Days to Close Street Light General Outage Complaints

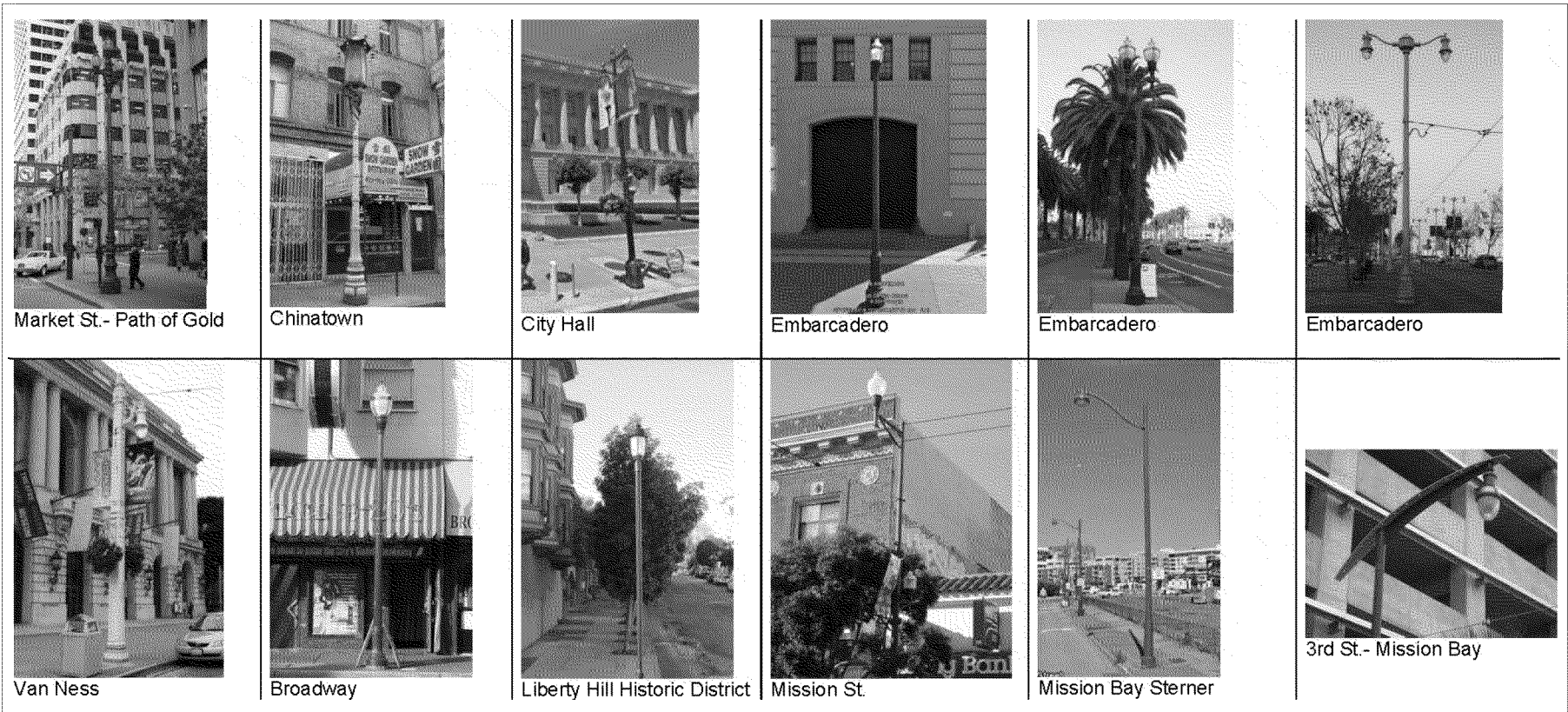
SFPUC		PG&E	
Year, Quarter	Day to Close	Year, Quarter	Day to Close
2011 - Q1	30.68	2011 - Q1	44.55
2011 - Q2	57.32	2011 - Q2	32.99
2011 - Q3	9.69	2011 - Q3	32.63
2011 - Q4	5.51	2011 - Q4	27.74
Average Days to Close	25.8	Average Days to Close	33.74

Street Light Levels of Service

Average Days to Close Street Light Simple Outage Complaints

SFPUC	
Year, Quarter	Day to Close
2011 - Q1	20.6
2011 - Q2	8.5
2011 - Q3	3.0
2011 - Q4	2.6
Average Days to Close	8.6

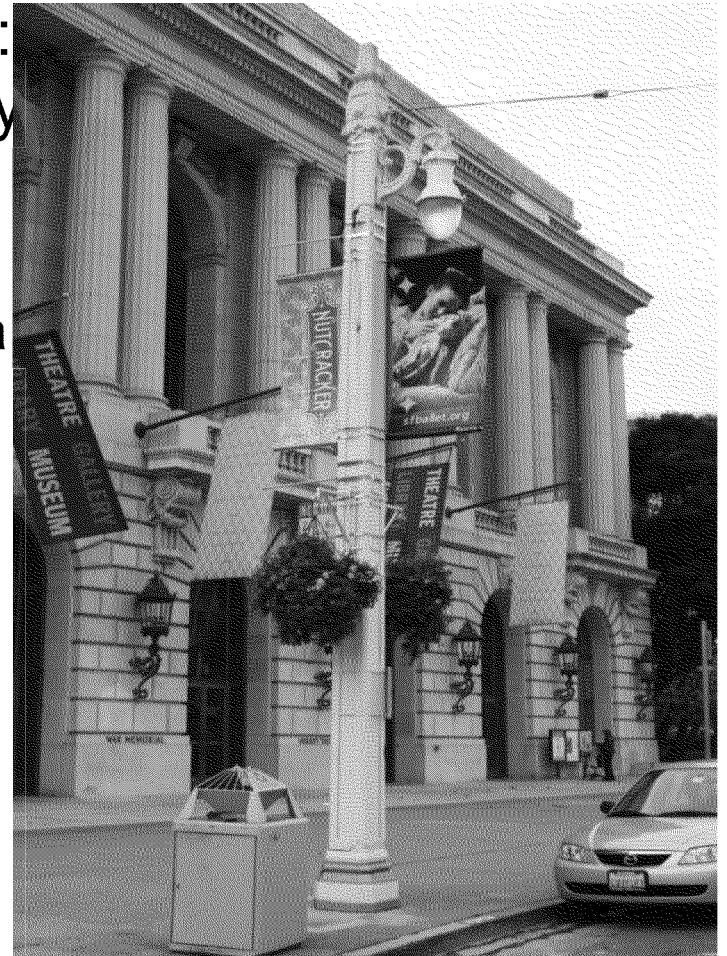
SFPUC Street Light Maintenance Challenges



1. Replacement of series loops is a priority for SFPUC capital expenditures because series loops cause many street light outages.
2. SFPUC series loops:
3. 8 remaining series loops with 339 street lights.
4. There is currently funding to convert one of the SFPUC series loops.
5. PG&E series loops:
6. Approximately 1,100 street lights on series loops.
7. PG&E to upgrade approximately 25 loops over the next 5 years estimated at \$25M.

Street Light Capital Project Funding

1. Administrative Code, Chapter 25: Street lighting must be paid for by the sponsors of street improvement projects.
 1. Examples: Divisadero Street, Valencia Street, Octavia Blvd., Mission Bay, Hunters Point
2. Utility Services FY 11/12 Capital Budget is \$8,930,000.
 - LED Street Light Conversion Project: \$8,000,000
 - Other Street Light Capital Projects: \$930,000



Capital Project Funding Priorities

Priority 1	High crime rate in areas due to poor lighting.
Priority 2	Night time accidents due to unsafe street conditions such as sharp intersections, street curvature, or grade.
Priority 3	Cost of maintenance of street light systems are excessively high due to its age and condition.
Priority 4	High number of outages and complaints as reported by the general public.
Priority 5	Capital projects managed by other City departments generating requirements for street lighting upgrades.
Priority 6	Increased volume of vehicular and pedestrian street usage and/or non-conformance to roadway lighting IES (Illuminating Engineering Society) standards.
Priority 7	Public or Board of Supervisor requests to increase lighting levels or modify design elements to address specific area or neighborhood characteristics.

Better Streets Plan

- 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.



Street Lights Owned by PG&E

1. PG&E owns 43% of the street lights in SF.
2. SFPUC pays for the O&M of PG&E's lights.



Ashbury Heights



Union Square Area

PG&E Street Light Rate Structure

1. Per California Public Utility Commission (CPUC), cities pay PG&E established rates for their street lights operations and maintenance (O&M).
2. The rates are set in PG&E's General Rate Case (GRC) application and approved by the CPUC every 3 to 4 years.
3. PG&E's rates allow PG&E to recover both O&M expenses and capital investments, where capital investments are recovered over the life of the asset.



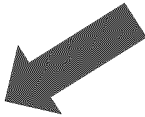
San Francisco
Water
Power
Sewer

PG&E Monthly O&M Charges

Billing Period Ending: 01/01/2012 to 01/31/2012 with New 2012 Rates based on 2011 GRC Ph 2 decision

MAINTENANCE AMOUNT DUE:

\$132,483.02



Please Remit Your Payment to:

PG&E
BOX 997300
SACRAMENTO CA
95899-7300

Old Account: ZRG NH 28101
Account ID: 1124672909

CHK'D BY: RCM.
DATE: 2/16/2012 8/14/18

Any questions regarding this bill can be directed to your assigned Account Representative:

Chester Livingston
(415) 973-1370

APP'D BY: [Signature]
DATE: 2/16/12

Estimated Rate:

* = Estimated rates. Subject to change upon CPUC approval.

Annual Operating Schedule:

The above rates for All-Night service assume an average of approximately 11 hours operation per night and apply to lamps which will be turned on and off once each night in accordance with a regular operation schedule agreeable to the customer but not exceeding 4,100 hours per year.

January 2012 Monthly Maintenance = \$132,483

PG&E Power Distribution Charges



1. Each year, SFPUC pays PG&E approximately **\$343,000** for power distribution.
2. SFPUC generates all power for both PG&E and SFPUC-owned street lights.
3. SFPUC pays PG&E distribution charges to transmit power using PG&E-owned power lines.



Street Light Related Payments to PG&E

Fee Type	Approximate Annual Fees
Maintenance Fees (PG&E Lights)	\$1,595,000
Distribution Fees (PG&E Lights & SFPUC Lights)	\$342,970
Total	\$1,937,970



San Francisco Series Loop Ownership

Maintenance Levels of Service Improvement Recommendations

1. GIS map all street and pedestrian lights in San Francisco.
2. Establish uniform standards for levels of service, regardless of ownership.
3. Broaden 311 reporting accountability.
4. Establish Lighting Assessment Districts.

San Francisco Street Light Hearing

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