Presented in Committee - June 13, 2018





### Public Safety Committee Hearing Affordable Access to the Power Distribution Grid

June 13, 2018

Services of the San Francisco Public Utilities Commission

Barbara Hale Assistant General Manager, Power





- 1. Background on Hetch Hetchy Power
- 2. History of Overcoming Challenges
- 3. Benefits of Hetch Hetchy Power and Lost Opportunities
- 4. Examples and Impacts of Roadblocks to Affordable Grid Access



Hetch Hetchy Power Has Powered San Francisco for 100 Years

#### SFPUC provides 100% greenhouse gas-free power to City facilities and some new green communities





### **How Hetch Hetchy Power Works**



The City pays PG&E about \$10 million per year to deliver Hetch Hetchy Power to over 2,500 metered and over 9,000 unmetered electric service points.

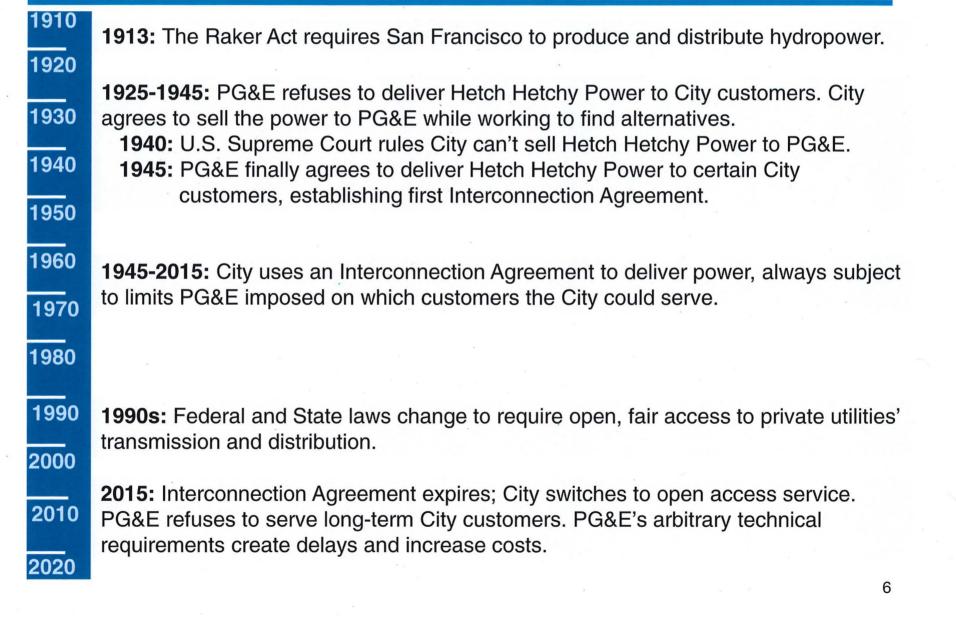


### Power Business Plan: Six Priority Strategies

PROTECT OUR BASE	Contain Costs	<ol> <li>Distribution: Ensure affordable access to PG&amp;E's distribution grid for SF residents and businesses</li> </ol>	
STRENGTHEN OUR POSITION	Increase Revenue	<ol> <li>Customers: Grow sale to maximize Hetch Hetchy value for San Francisco</li> </ol>	
	Contain Costs	<b>3. Supply:</b> Pace spending with customer growth	
		4. Transmission: Streamline spending	
		<ol> <li>Distribution: Invest strategically to reduce costs and ensure customer stability</li> </ol>	
	Operational Excellence	6. Cross Functional: Invest to ensure commercial speed and high levels of service for SF residents and businesses	



### Long History of the City Working to Overcome Challenges





### **Benefits to the City and Lost Opportunity**

#### IN THE PAST YEAR, HETCH HETCHY POWER HAS SAVED THE CITY

\$40 MILLION in energy costs

## **387 MILLION POUNDS** of carbon dioxide emissions

the equivalent of **37,589** passenger vehicles driven for one year



### BUT PROJECTS NOT SERVED BY THE SFPUC DUE TO DIFFICULTIES WITH PG&E HAVE **COST** THE CITY

**\$6 MILLION** in forfeited City revenue

# **20 MILLION POUNDS** of carbon dioxide emissions

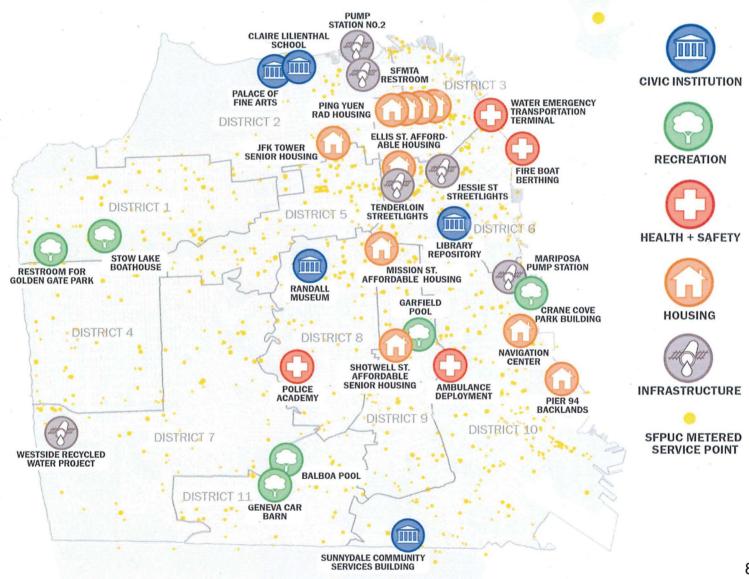
the equivalent of **1,943** passenger vehicles driven for one year



When SF is able to use Hetch Hetchy power, it saves the City money and reduces its greenhouse gas emissions.



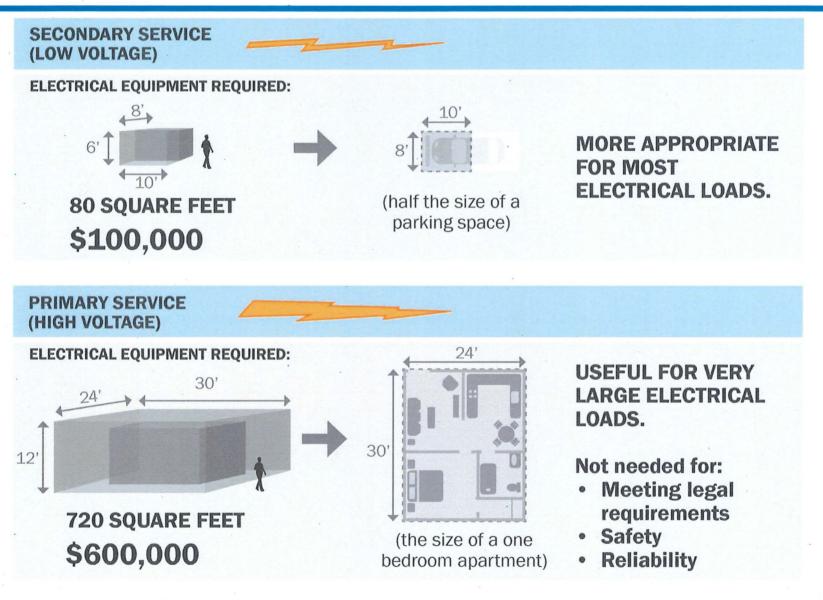
### Projects Hitting Roadblocks to Affordable Grid Access



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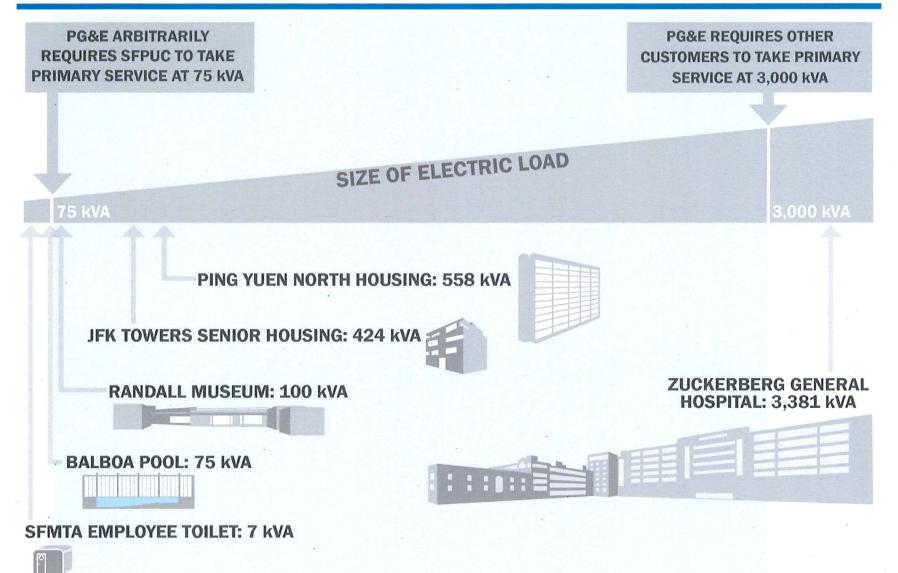


### **Roadblocks Unnecessarily** Increase Costs





### **PG&E's Arbitrary Requirements**





# Examples and Impacts of Roadblocks to Affordable Grid Access

Project	Roadblock Delay	Potential Loss of Public Benefit
SFMTA Employee Toilet (7 kVA)	4 months	Loss of public space
<b>Balboa Pool</b> (75 kVA)	Over 1 year and counting	Loss of recreation space
Randall Museum (100 kVA)	Over 1 year	Loss of recreation and parking space
JFK Towers Senior Housing (424 kVA)	6 months and counting	Loss of residential units
<b>Ping Yuen North</b> <b>Housing</b> (558 kVA)	Over 1.5 years and counting	Loss of improved community room



### **Impacts to San Francisco**



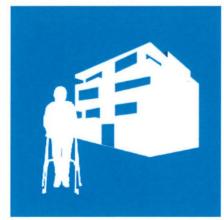
Loss of City Revenue and Reinvestment



Wasted City Funds on Staff Time to Remove Roadblocks



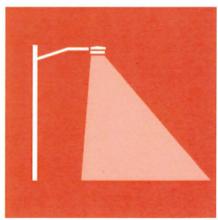
Recreation Opportunities



**Affordable Housing** 



Greenhouse Gas Emissions



Safety and Health



### Water Hetch Hetchy Power: Critical to Reaching Power Our Goals and Living Our Values





#### **THANK YOU**

