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

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- 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



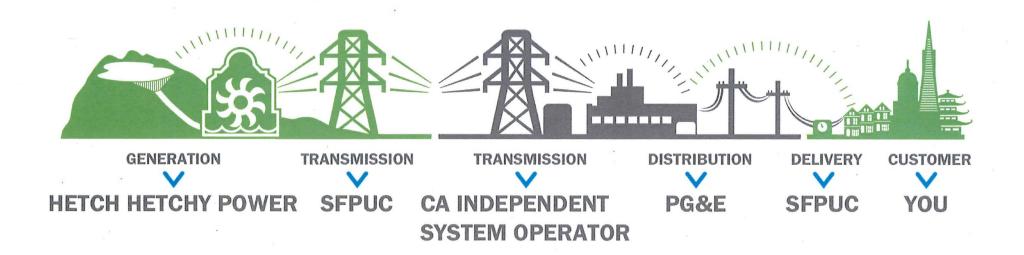
Hetch Hetchy Power Has Powered San Francisco for 100 Years

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.

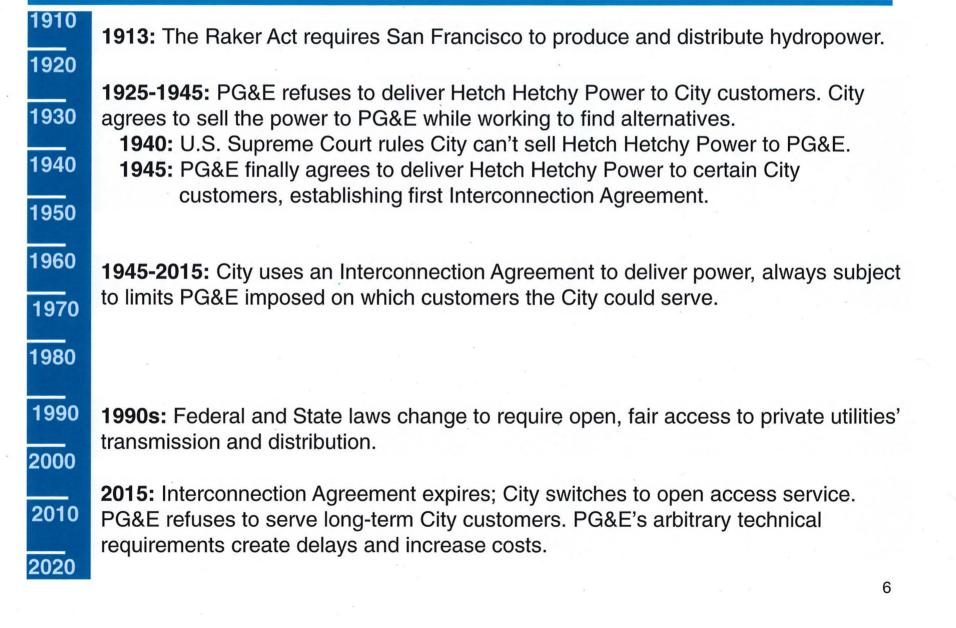


Power Business Plan: Six Priority Strategies

PROTECT OUR BASE	Contain Costs	 Distribution: Ensure affordable access to PG&E's distribution grid for SF residents and businesses 	
STRENGTHEN OUR POSITION	Increase Revenue	 Customers: Grow sale to maximize Hetch Hetchy value for San Francisco 	
	Contain Costs	3. Supply: Pace spending with customer growth	
		4. Transmission: Streamline spending	
		 Distribution: Invest strategically to reduce costs and ensure customer stability 	
	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

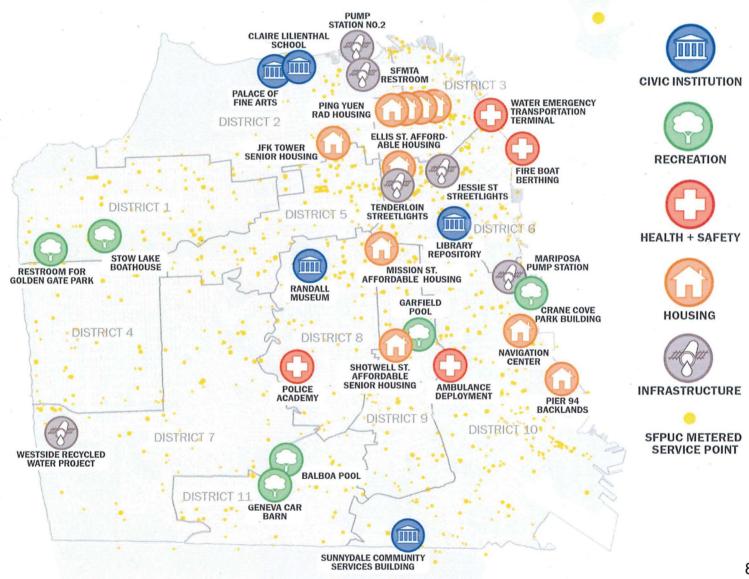
the equivalent of **1,943** passenger vehicles driven for one year



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



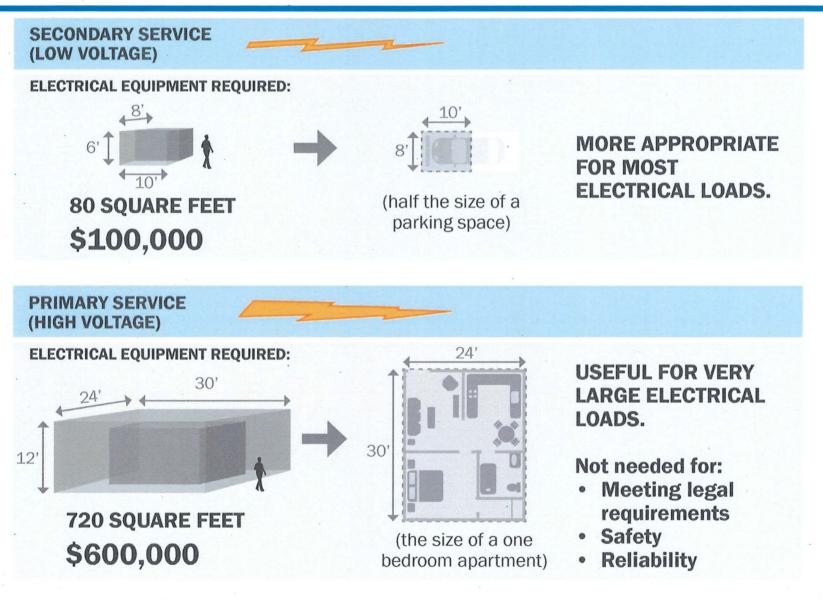
Projects Hitting Roadblocks to Affordable Grid Access



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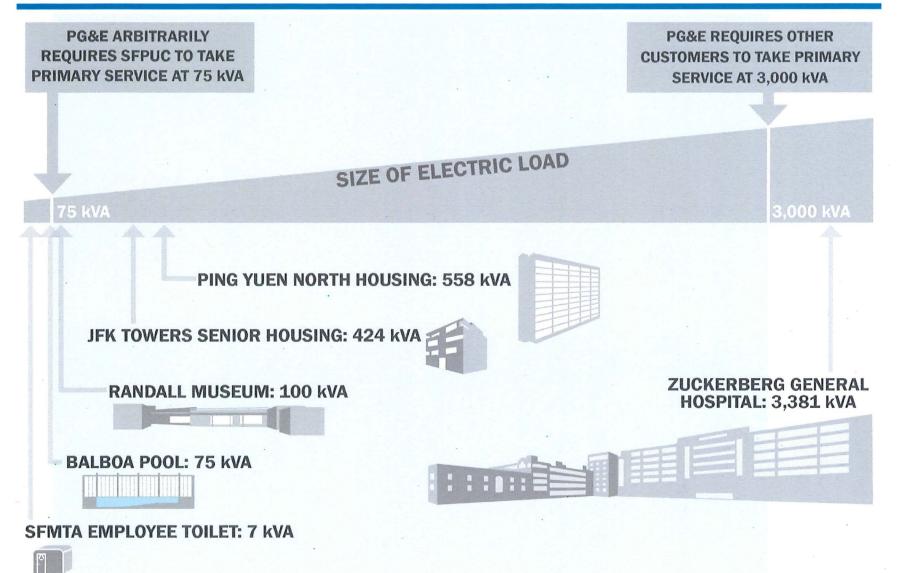


Roadblocks Unnecessarily Increase Costs





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
Balboa Pool (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
Ping Yuen North Housing (558 kVA)	Over 1.5 years and counting	Loss of improved community room



Impacts to San Francisco



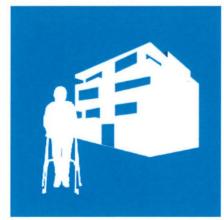
Loss of City Revenue and Reinvestment



Wasted City Funds on Staff Time to Remove Roadblocks



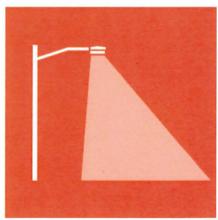
Recreation Opportunities



Affordable Housing



Greenhouse Gas Emissions



Safety and Health



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





THANK YOU

