

City of Fresno Energy Efficiency Projects- Update



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City of Fresno - PG&E Gas & Electric Accounts



1,854 Electric Accounts
88 Gas Accounts



(3) City Parking Garages-2017 LED Lighting Projects Completed Energy & Cost Savings Report



- 1077 Van Ness Ave
\$46,405.81 – 55% Savings
- 2020 Merced Street
\$3,134.46 – 43% Savings
- 801 Van Ness Avenue
\$25,277.27 – 57% Savings



CITY OF FRESNO - LED PARKING GARAGES & OBF PROJECTS

Address	Cost Before (\$)	Date	Cost Now (\$)	Date	Savings (\$)	%
1077 VAN NESS AVE	\$ 14,988.82	10/23/2017	\$ 5,944.14	4/23/2018	\$ 9,044.68	60%
	\$ 15,516.49	9/24/2017	\$ 5,626.73	3/22/2018	\$ 9,889.76	64%
	\$ 13,892.33	8/23/2017	\$ 5,785.83	2/21/2018	\$ 8,106.50	58%
	\$ 13,815.11	7/24/2017	\$ 5,874.58	1/22/2018	\$ 7,940.53	57%
	\$ 13,585.48	6/22/2017	\$ 5,906.31	12/21/2017	\$ 7,679.17	57%
	\$ 12,877.43	5/23/2017	\$ 9,132.26	11/20/2017	\$ 3,745.17	29%
TOTAL	\$ 84,675.66		\$ 38,269.85		\$46,405.81	55%
2020 MERCED ST	\$ 1,176.97	10/23/2017	\$ 705.45	4/23/2018	\$ 471.52	40%
	\$ 1,223.36	9/24/2017	\$ 628.08	3/22/2018	\$ 595.28	49%
	\$ 1,198.52	8/23/2017	\$ 661.38	2/21/2018	\$ 537.14	45%
	\$ 1,219.80	7/24/2017	\$ 675.32	1/22/2018	\$ 544.48	45%
	\$ 1,226.00	6/22/2017	\$ 664.91	12/21/2017	\$ 561.09	46%
	\$ 1,197.36	5/23/2017	\$ 772.41	11/20/2017	\$ 424.95	35%
TOTAL	\$ 7,242.01		\$ 4,107.55		\$ 3,134.46	43%
801 VAN NESS AVE	\$ 8,035.26	10/23/2017	\$ 3,384.71	4/23/2018	\$ 4,650.55	58%
	\$ 7,402.80	9/24/2017	\$ 3,078.93	3/22/2018	\$ 4,323.87	58%
	\$ 7,272.93	8/23/2017	\$ 3,097.14	2/21/2018	\$ 4,175.79	57%
	\$ 7,457.20	7/24/2017	\$ 3,118.03	1/22/2018	\$ 4,339.17	58%
	\$ 7,200.64	6/22/2017	\$ 3,064.49	12/21/2017	\$ 4,136.15	57%
	\$ 6,995.21	5/23/2017	\$ 3,343.47	11/20/2017	\$ 3,651.74	52%
TOTAL	\$ 44,364.04		\$ 19,086.77		\$25,277.27	57%
TOTALS	\$ 136,281.71		\$ 61,464.17		\$74,817.54	55%

City of Fresno – PG&E

Projects Currently Underway



Urban Water Supply System - New Capacity Project



- 17,039,952 kWh Savings
- \$2,896,792 Cost Savings
- \$1,654,976 Rebate Check

Completion Date-August 2018



LED Street Lights-Citywide Project

35,412 Street Lights to LED

Annual Energy Savings-9,982,489 kWh

Annual Cost Savings-\$1,642,436

Project Cost-\$10,237,062

PG&E On-Bill Financing 0%

R.O.I. – 6.2 yrs

Completion Date-June 2019



City of Fresno - PG&E Potential Projects



- City Hall & MSC Facilities
- Fax & Handy Ride Facilities



City Hall and MSC Facilities

Project Overview

Annual Utility Savings - \$165,319

Total Program Savings (15 yr) - \$3,310,279

Total Solar PPA Savings (25 yr) - \$6,903,704

- LED Lighting Upgrades(20) Buildings –Interior & Exterior Lighting Upgrades
 - HVAC Upgrades(5) Buildings / (15) Units with Central Plant Upgrades
 - Controls Upgrades(19) Buildings
 - Solar Photovoltaic (2) Sites
 - Roof Replacement (2) Buildings –Cool Roof Installation
 - Deck Coating(1) Building –Elastomeric Deck Coating



FAX and Handy Ride Facilities

Project Overview

Annual Utility Savings - \$71,151

Total Program Savings (15 yr) - \$1,424,689

Total Solar PPA Savings (25 yr) - \$4,176,676

- LED Lighting Upgrades(4) Buildings –Interior & Exterior Lighting Upgrades
- HVAC Upgrades(3) Buildings / (12) Units with Central Plant Upgrades
 - -Controls Upgrades(4) Buildings
 - -Solar Photovoltaic (1) Site
- -Rain Gutter (1) Building –Run Off Rain Gutter



Citywide 3-5 Years Strategic Energy Plan 11



- **PG&E will facilitate an Energy Savings Opportunity Meeting with City Department Directors in early June 2018**
 - **Identify biggest energy usage facilities**
 - **Energy Efficiency recommendations for LED Lighting, Mechanical/HVAC, Controls, Building Envelope, Solar and Maintenance**
 - **Rate Analysis for all 1,942 accounts**
 - **On-Bill Financing (OBF) – 0% Line of Credit**



Questions?

