

PARKING SOLAR PROJECT STAFF BRIEFING



March 20, 2018

Kim Nadeau, Parking Manager
Luke Morse, Parking Supervisor

BACKGROUND

- October 20, 2015 – Council authorized RFP for solar Design/Build on parking garages
- September 27, 2016 - Council awarded first Design/Build contract to Sprig Electric
- February 2, 2018 - Permission to operate received from PG&E

SOLAR GARAGE MAP



GARAGE 1



- Annual Energy Bill ~\$26,400
- System Size 79 KW
- 247 Solar Panels

GARAGE 3

- Annual Energy Bill
~\$28,800
- System Size 72 KW
- 225 Solar Panels



GARAGE 9



- Annual Energy Bill ~\$34,800
- System Size 80 KW
- 248 Solar Panels

GARAGE 12

- Annual Energy Bill \$35,000
- System Size 88 KW
- 276 Solar Panels



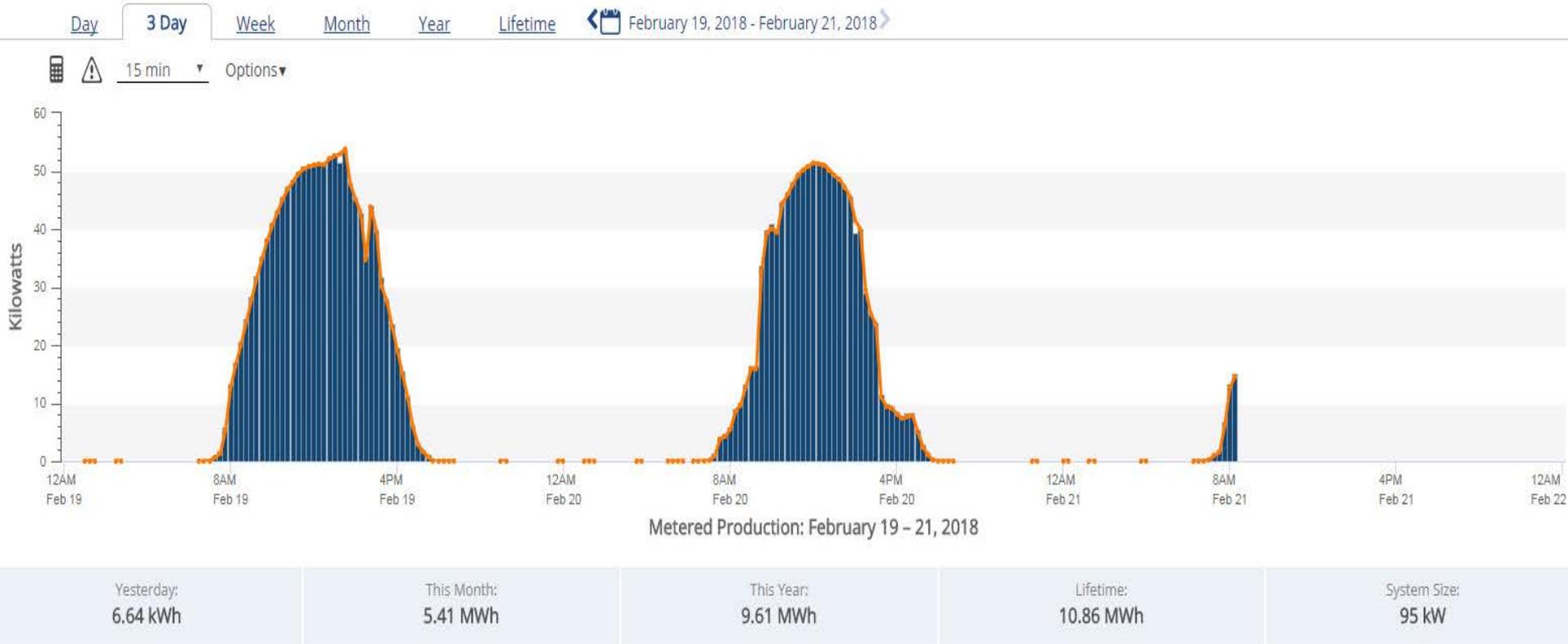
PROJECT BENEFITS

- GHG reduction = 202 Metric tons annually, approximately 10% of the City's 2020 GHG reduction target



PROJECT BENEFITS

- Clean/renewable energy production
- Cost savings = \$1.4M over life of the system



Projected Annual Future Costs

	G1	G3	G9	G12	Total
Annual Electric Costs	\$2,346	\$1,028	\$3,899	\$1,086	\$8,359
Maintenance Costs	\$2,200	\$2,200	\$2,200	\$2,200	\$8,800
Total Future Costs	\$4,546	\$3,228	\$6,099	\$3,286	\$17,159

Solar in Action

QUESTIONS?

