



November 7, 2019

Council Report Overview

Energy Efficiency Program

City Hall & MSC

Project Overview

Scope Overview

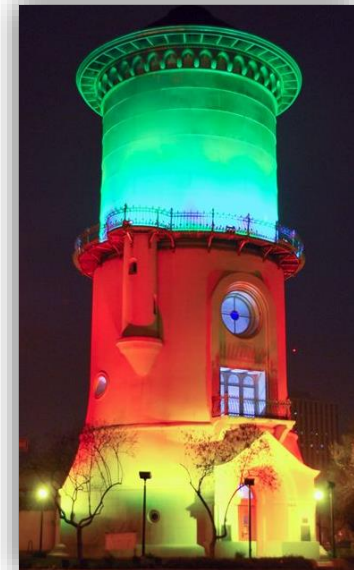
City Hall & MSC

- ▣ LED Lighting Upgrades – (20) Buildings
- ▣ HVAC Upgrades – (5) Buildings
- ▣ Controls Upgrades – (19) Buildings
- ▣ Solar Photovoltaic (PV) – (2) Sites
- ▣ Roof Replacement – (2) Buildings
- ▣ Deck Coating – (2) Buildings

Fiscal Overview

Project Amount
\$5.5 million

Total Project Savings
\$10.4 million

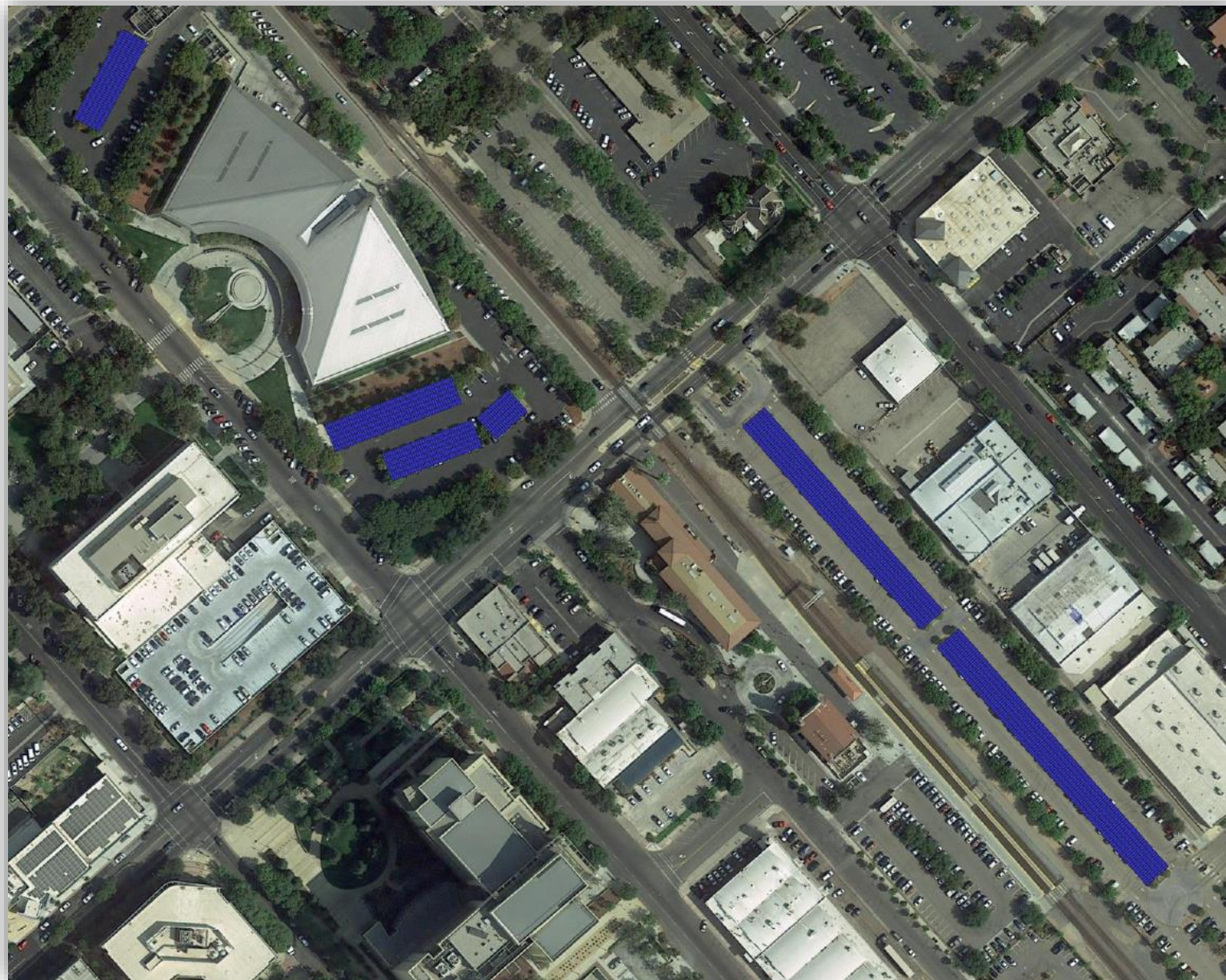


Solar City Hall Layout

System Size

914.9 kW DC

Car Port Shade Structure



Solar Municipal Services Center Layout

System Size

962.2 kW DC

Car Port Shade Structure

Rooftop Mount



Project Benefits

- ▣ Significant reduction in utility, operational and maintenance costs.
- ▣ Total avoided cost savings of over **\$10.4M** throughout the life of the project.
- ▣ Addresses facility and deferred maintenance needs through leveraging energy savings
- ▣ Allows the City of Fresno to continue forward progress by investing in our energy efficiency and sustainability goals.



Environmental Attributes

950,904 kWh saved annually

Equates to a reduction in greenhouse gas and CO2 emissions

905,904 kWh saved each year is equivalent to a reduction in greenhouse gas emissions which reflects...



1,644,090



Miles driven by an average passenger vehicle



25,542



Incandescent lamps switched to LEDs



905,904 kWh saved each year is equivalent to a reduction in CO2 emissions which reflects...



117



homes' electricity use for one year



85,743,454



number of smartphones charged