



November 7, 2019  
Council Report Overview

# Energy Efficiency Program

## City Hall & MSC

# Project Overview

## Scope Overview

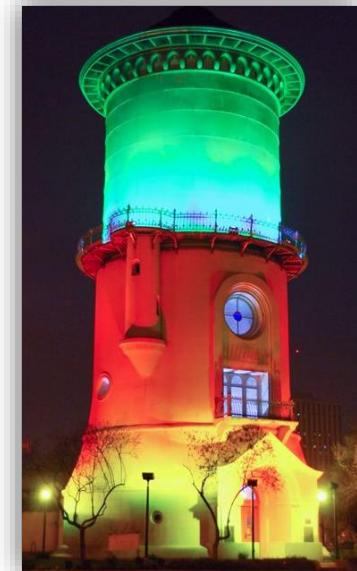
City Hall & MSC

- ☒ 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**

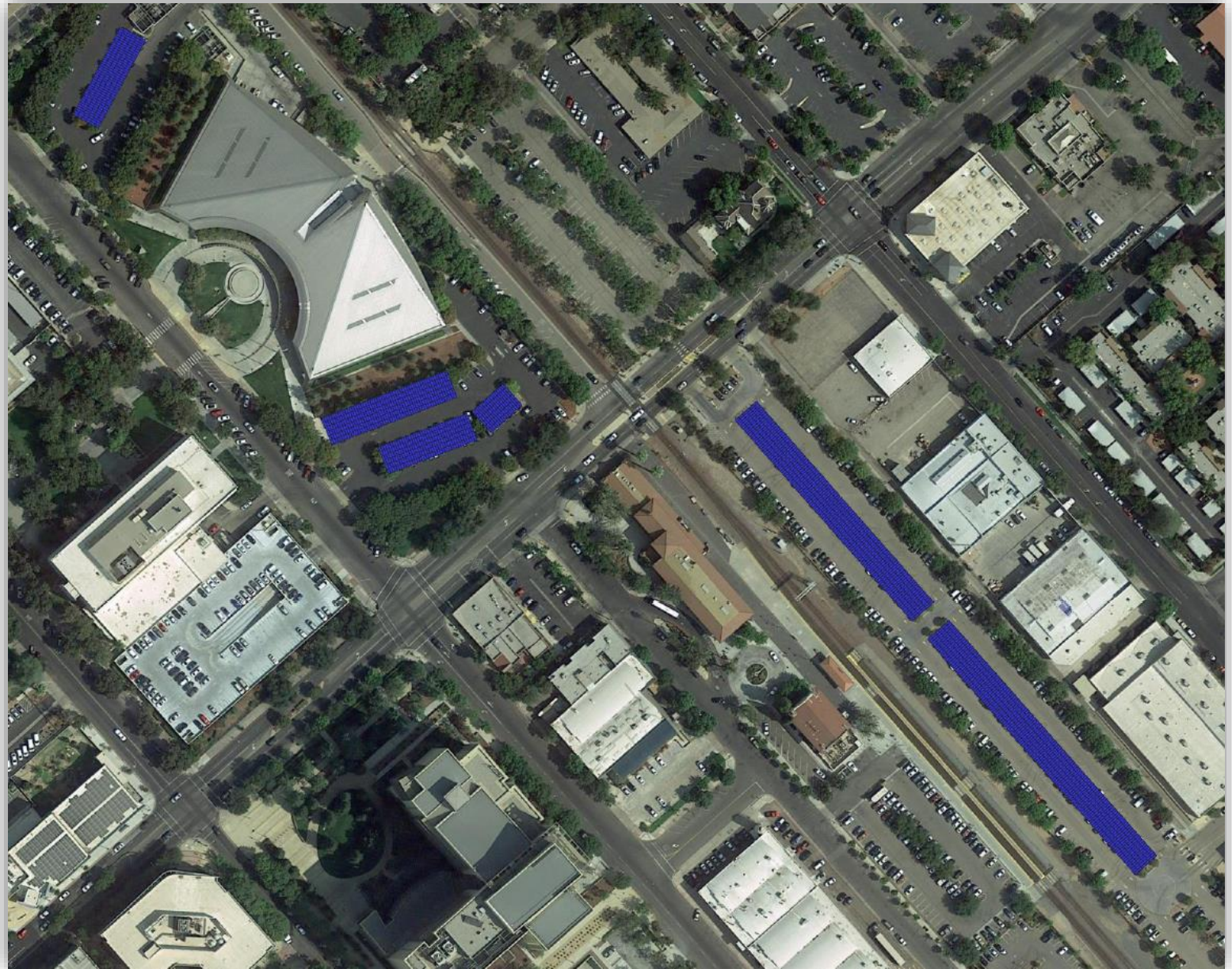


# Solar City Hall Layout

## 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



**117**



homes' electricity use for one year



**85,743,454**



number of smartphones charged