



ENERGY EFFICIENCY
SOLUTIONS PROJECT PHASE II

**Project & Facilities Management** 

Presented By: Don Day, Director

Date: December 16, 2025

### **Project Benefits and Construction Overview**

#### **Project Benefits:**

- Energy efficiency replacements reduce utility, maintenance, and operational costs.
- Solar systems installation reduces the energy cost, lowering the overall operational emissions.

#### Construction Overview:

- Project duration 1,095 days (~ 3 years).
- Six general facilities sites and eight Sheriff operation sites identified as recommended scope of work.
- Design-build model, where engineering and design will be done in parallel with construction activities to save time.
- Off-hours construction will minimize disruptions to ongoing business activities.



#### **Fiscal Overview**



**Initial Construction Investment** 

\$61,902,432

Estimated Year 1 Savings

\$3,700,000

Projected 30-Year Savings (est.)

\$190,000,000

Potential Rebates & Tax Credits

Up to \$16,500,000

Payback Period

12.5 Years



### RECOMMENDED SCOPE OF WORK (GENERAL FACILITIES)

<b>▼</b>											
	Lighting		Mechanical				Controls	Renewables		Electrical	
	Interior LED Lighting Upgrades	Exterior LED Lighting Upgrades	HVAC Pkg Unit Replacement	Split Unit Replacement	Boiler or Chiller Replacement	HHWP Replacement / Addition	Web Based Programmable Controls	Solar	Battery Energy Storage System	New High Efficiency Transformer	EV Charging
County Archives 412 W Hospitality	<b>~</b>									<b>√</b> (1)	
Bob Burke Jos Govt Center 63665 29 Palms Hwy	<b>&gt;</b>	<b>✓</b>									
County Building - Veterans Affairs 8575 Haven Ave	<b>√</b>		<b>√</b> (24)	<b>√</b> (1)			<b>√</b> (25)	<b>√</b>			
Dept, of Public Health 451 E Vanderbilt Way	<b>✓</b>		<b>√</b> (4)	<b>√</b> (3)	√(2) Boiler	√(1) + (1 Add)				<b>√</b> (2)	
High Desert Government Center 15900 Smoke Tree St	<b>4</b>	<b>✓</b>	<b>√</b> (2)		√(2) Boiler	<b>√</b> (2)		<b>√</b>	<b>✓</b>		<b>√</b> (5)
New Hall of Records 222 W Hospitality Lane	<b>~</b>							<b>√</b>	<b>✓</b>	<b>√</b> (1)	<b>√</b> (5)



### RECOMMENDED SCOPE OF WORK (SHERIFF FACILITIES)

	Lighting		Mechanical				Controls	Renewables		Electrical
	Interior LED Lighting Upgrades	Exterior LED Lighting Upgrades	HVAC Unit Pkg Replacement	Wall Mount Heat Pumps Replacement	Terminal Unit Replacement	AHU Replacement	Web Based Programmable BAS	Solar PV	BESS	New High Efficiency Transformer
Coroner 175 S Lena Rd	✓	✓	<b>√</b> (6)					✓	✓	
Crime Lab 200 S Lena Rd	✓		<b>√</b> (7)				<b>√</b> (9)	✓	✓	
Crime Lab Expansion 711 E. Rialto Ave	✓									
Sheriff HQ 655 E Rialto Ave	✓	<b>✓</b>	<b>√</b> (4)		<b>√</b> (159)	√(6) + (3 FCU)	<b>√</b> (172)			<b>√</b> (1)
SHR – Training Center 18900 Institution Rd	✓	<b>√</b>		<b>√</b> (5)			<b>√</b> (34)	✓		
HD Detention Center 9438 Commerce Way & 16385 Beaver Rd								✓	✓	
SHR - Narco & SED 1040 E Cooley Dr										<b>√</b> (1)
WVADC – Etiwanda 9500 Etiwanda Ave	1							✓	<b>√</b>	



## Renewable Scope Details

The Project involves the installation of new:

- 6.2 Megawatt (MW), direct-current (DC) solar photovoltaic system across three types of systems:
  - Carport Shade Structure photovoltaic systems
  - Roof Ballasted Mounted
  - Ground Mounted
- Battery Energy Storage System (BESS)
- Level 2 electric vehicle chargers at two sites
- High efficiency heating, ventilation and air conditioning upgrades
- High efficiency lighting upgrades
- High efficiency transformers







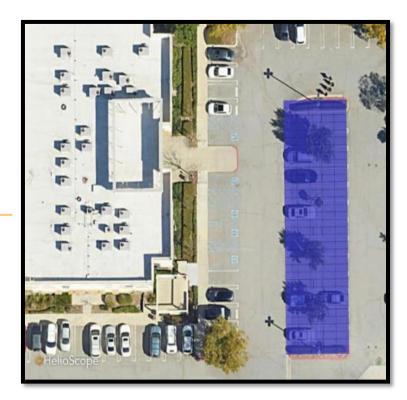


# **Photovoltaic Scope Details**

Total System Addition of **6.2 MW – DC** along with **2.0 MW** of Battery Energy Storage Systems (BESS)

New panels will be mounted with three different methods.

New carport shade structures above parking areas, on the existing roofs, and in the ground across eight different sites



Veterans Affairs 8575 Haven Ave



Thank you

