



# ENERGY EFFICIENCY SOLUTIONS PROJECT PHASE II

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**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)

	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
<b>County Archives</b> 412 W Hospitality	✓									✓(1)	
<b>Bob Burke Jos Govt Center</b> 63665 29 Palms Hwy	✓	✓									
<b>County Building - Veterans Affairs</b> 8575 Haven Ave	✓		✓(24)	✓(1)			✓(25)	✓			
<b>Dept. of Public Health</b> 451 E Vanderbilt Way	✓		✓(4)	✓(3)	✓(2) Boiler	✓(1) + (1 Add)				✓(2)	
<b>High Desert Government Center</b> 15900 Smoke Tree St	✓	✓	✓(2)		✓(2) Boiler	✓(2)		✓	✓		✓(5)
<b>New Hall of Records</b> 222 W Hospitality Lane	✓							✓	✓	✓(1)	✓(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
<b>Coroner</b> 175 S Lena Rd	✓	✓	✓(6)					✓	✓	
<b>Crime Lab</b> 200 S Lena Rd	✓		✓(7)				✓(9)	✓	✓	
<b>Crime Lab Expansion</b> 711 E. Rialto Ave	✓									
<b>Sheriff HQ</b> 655 E Rialto Ave	✓	✓	✓(4)		✓(159)	✓(6) + (3 FCU)	✓(172)			✓(1)
<b>SHR – Training Center</b> 18900 Institution Rd	✓	✓		✓(5)			✓(34)	✓		
<b>HD Detention Center</b> 9438 Commerce Way & 16385 Beaver Rd								✓	✓	
<b>SHR – Narco &amp; SED</b> 1040 E Cooley Dr										✓(1)
<b>WVADC – Etiwanda</b> 9500 Etiwanda Ave	✓							✓	✓	

# 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*

