

City of Coalinga Federal Appropriations Earmark Project Requests – Updated 11/20/2025

WATER, SEWER, GAS, UTILITIES

1. **\$1.50 Million | Water Treatment Plant Filtration System Improvements** – This project consists of constructing new filtration system improvements (including, but not limited to): filter underdrains, washwater collection troughs, air scour equipment, and installation new granular filtration media. Scope of work generally consists of process/mechanical-, site civil-, electrical-, and instrumentation/controls improvements to accommodate the new filtration system improvements.

Project Need: Filtration media in several filters was determined to be inadequate for filtration of clarified water from the upstream flocculation/sedimentation basins. Furthermore, construction of new filter underdrains, wash water collection troughs, and air scour equipment are required to properly maintain filtration- and backwash functionality of each filtration system. Improvements to each filtration system are critical to maintaining adequate production of potable water for the City of Coalinga's customers.

2. **\$2.24 Million | Water Treatment Plant Wash Water Tank Replacement** – This project consists of constructing a new 300,000-gallon wash water supply tank to backwash each of the treatment plant's multimedia filtration systems. Scope of work generally consists of process/mechanical-, site civil-, electrical-, and instrumentation/controls improvements to accommodate the new 300,000-gallon wash water supply tank.

Project Need: The existing 300,000-gallon wash water supply tank is leaking water and at risk of failing due to poor construction, outdated seismic design considerations, and elevated infrastructure age (tank is currently more than 50 years old). Construction of a new wash water supply tank is required to ensure that each multimedia filtration system can be properly backwashed to allow the treatment plant to continue producing potable water. Implementation of this project is critical to maintaining adequate production of potable water for the City of Coalinga's customers.

3. **\$2.25 Million | Water Treatment Plant Sludge Drying Bed Improvements** – This project consists of constructing sludge drying bed improvements (including, but not limited to): drying bed underdrain piping replacements, subgrade-gravel replacement, filtrate

drainage collection equipment, and any additional required structural reinforcement of drainage collection equipment. Scope of work generally of process/mechanical-, site civil-, electrical-, and instrumentation/controls improvements to accommodate the new sludge drying bed improvements.

Project Need: Existing sludge drying bed media was determined to be inadequate for properly separating water from solids conveyed to each of the drying beds. This results in “standing” water that is unable to be filtered and recycled to the first process within the treatment plant. The “standing” (undrained) water results in heavy aquatic plant growth, required treatment plant staff to physically burn or mechanically remove the plant growth on the surface of each sludge drying bed. This could potentially limit the sludge drying capacity of treatment plant if excess sludge needs to be wasted to the drying beds.

4. **\$2.25 Million | Water Treatment Plan Flocculation Basin Rehabilitation** – This project consists of performing rehabilitation of Flocculation-Sedimentation Basins #1 and #2 (including, but not limited to): concrete crack repairs with epoxy injections, application of cement mortar in select areas, replacement of each mechanical clarifier, and any additional structural reinforcement that may be required within the existing basins. Scope of work generally consists of process/mechanical-, site civil-, electrical-, and instrumentation/controls improvements to accommodate rehabilitation of Flocculation-Sedimentation Basins #1 and #2.

Project Need: Flocculation-Sedimentation Basins #1 and #2 were identified to be in critical need of rehabilitation during recent inspections of each basin’s structural and mechanical components. Rehabilitation of both basins is critical to maintaining adequate production of potable water for the City of Coalinga’s customers.

5. **\$1 Million | Water System SCADA Upgrades (outlying areas)** – This system is the backbone to communicating with the peripheral pumps and reservoirs in the City’s water transmission system. The existing control system suffers from communications failures and the main components of the system including programmable controller and radio system are no longer available or supported. This system allows the City to view tank levels, flows and notify operators of errors and major equipment failures which is critical to providing safe and reliable drinking water to the community. Troubleshooting and repairs, if possible, are extremely difficult and expensive to do which can lead to delays in responding to or being notified of major issues in the transmission system.

Project need: The new system will replace the Programmable controllers, reprogram the systems, and include a new cellular based communication system. It will be monitored by the new SCADA system at the water treatment plant which the City recently completed at the cost of \$1.5 million.

\$1.25 Million | Coalinga Critical Gas Mainline Replacement This project consists of replacing approximately 3,850 linear feet (0.73 miles) of the City's highest-risk, leak-prone natural gas distribution mains and associated customer service lines, including but not limited to: abandonment and removal of vintage cast iron and unprotected bare steel pipe; installation of new high-density polyethylene (HDPE) pipe; transfer or renewal of all customer services; installation or replacement of excess flow valves, curb valves, and regulators as required (\$183,300 dedicated line item); hydrostatic pressure testing; tie-ins to the existing system; and complete surface restoration (asphalt paving, concrete sidewalks, curb/gutter, and landscaping). Scope of work generally consists of pipeline replacement, safety device upgrades, site civil/roadway restoration, traffic control, and minor instrumentation/controls improvements required to integrate the new facilities into the City of Coalinga's natural gas distribution system.

Project Need: The targeted 3,850 linear feet of cast iron and bare steel and cast iron mains represent the highest-risk segments identified in the City's PHMSA-compliant Distribution Integrity Management Plan (DIMP), recent leak survey records, and risk-ranking model. These segments have experienced multiple Grade 1 and Grade 2 leaks in the past five years, exhibit advanced external corrosion and graphitization, and pose the greatest threat to public safety in the system. Replacement of these critical mains is essential to eliminate ongoing methane emissions, significantly reduce the probability of incidents or service disruptions, enhance system reliability, and continue providing safe, environmentally responsible natural gas service to Coalinga's residents, schools, hospital, and commercial customers.

AIRPORT

\$1.50 Million (Update to Costs Underway) | Runway Rehabilitation and Design This project consists of a full reconstruction and rehabilitation of the Coalinga Municipal Airport's main runway, including design, engineering, pavement reconstruction, subgrade improvements, grading, drainage, and associated airfield markings. Improvements will restore structural integrity to the runway and extend its useful life for long-term operations.

Project Need: The airport's primary runway is nearing the end of its useful life and has shown deterioration in recent inspections. The crosswind runway has already been closed due to unsafe conditions, making rehabilitation of the main runway critical to continued operations. A full reconstruction is necessary to meet FAA safety standards, ensure reliable aviation access for general aviation, agricultural operators, emergency services, and regional agencies such as the local State Prison and State Hospital, and support future growth of aviation-related activity.

\$600,000 | New Fueling System - This project installs a modern aviation fueling system capable of providing Jet A fuel, replacing outdated and nonfunctional equipment.

Improvements include new tanks, pumps, monitoring components, and a secure, self-serve fuel island with point-of-sale technology.

Project Need: Fuel availability is one of the most significant factors influencing aircraft traffic and airport utilization. The airport's current fueling system is obsolete and has repeatedly been flagged during inspections. Restoring reliable fueling service is essential to supporting general aviation, flight training, agricultural aviation, emergency response agencies, and long-distance aviation traffic. The project will also generate operable revenue and enhance the airport's competitiveness.

\$1.20 Million | New Hangar Construction - This project includes constructing new aircraft hangars to support aviation growth, business attraction, and increased aircraft storage capacity. Improvements consist of site grading, utilities, concrete foundations, vertical hangar construction, and lighting/security systems.

Project Need: Demand for hangar space significantly exceeds supply, with 13 individuals already on a waiting list. New hangars are essential to supporting general aviation users and attracting aviation-related businesses, including flight schools and maintenance operators who have expressed interest in locating at Coalinga's airport due to its favorable flying conditions and minimal fog. Additional hangars will increase airport revenue, stimulate economic development, and expand airport-based services.

\$200,000 | Automated Weather Observing System (AWOS) - This project installs a new FAA-approved Automated Weather Observing System (AWOS) to provide continuous real-time weather data to pilots and aviation service providers. Work includes equipment procurement, installation, calibration, and integration with national weather reporting systems.

Project Need: Coalinga's previous AWOS system is inoperable, outdated, and no longer supported by manufacturers. Without AWOS, pilots must rely on weather reports from Hanford or Lemoore—30 to 40 miles away—creating unsafe discrepancies due to unique local wind patterns in the Pleasant Valley. Reestablishing AWOS is critical for improving flight safety, emergency operations, and nighttime and low-visibility conditions while ensuring FAA compliance and restoring lost operational capability.

\$100,000 | Lighting Improvements and Airfield Signage - This project upgrades the airport's airfield lighting and signage to energy-efficient LED systems. Improvements include runway and taxiway lighting replacement, illuminated signage, electrical upgrades, and smart lighting controls that adjust to weather and ambient conditions.

Project Need: Existing airport lighting is outdated, inefficient, and inadequate for current safety standards. Upgrading to LED lighting will improve nighttime visibility, enhance pilot safety, reduce maintenance costs, and extend system reliability. Lighting

has been identified in multiple inspections as an area requiring modernization, and improvements will support compliance with FAA guidance for general aviation airports.