US Department of Agriculture (USDA)

Statement of Work

# 26 ANF Oak Flats HVAC System Replacement

Angeles National Forest

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## Project
26 ANF Oak Flats HVAC System Replacement

## General Information

### 1.0 Scope of Work
The USDA Forest Service seeks a licensed contractor to perform HVAC system replacement services at the Angeles National Forest. This project is a construction contract requiring the contractor to furnish all labor, materials, equipment, and supervision necessary to install, construct, and complete the work as defined in this Statement of Work (SOW). All work shall be performed in accordance with applicable codes, industry standards, and the requirements outlined herein.

### 2.0 Background
The Angeles National Forest (ANF) requires replacement services for aging HVAC systems that have exceeded their operational life. This project includes the complete replacement of the existing HVAC systems at two ANF facilities.

The scope of work consists of removing the existing central HVAC systems at the Oak Flats Fire Station and the Fox Field ATB Station, and installing modern, energy-efficient, equivalent-in-kind systems. Work includes removal and disposal of existing equipment, pressure testing and leak detection of the existing refrigerant line sets, and installation of new R-454B HVAC systems appropriate for each facility.

At the Oak Flats Fire Station, the contractor shall install a 3.5-ton, 15-SEER R-454B condensing unit with a matching evaporator coil, a 95% AFUE 80,000 BTU furnace, an indoor air handler, and a new thermostat.

At the Fox Field ATB Station, the contractor shall install a 5-ton, 15-SEER R-454B heat pump condenser with a matching 5-ton air handler and coil assembly.

Acceptable manufacturers for all HVAC equipment and thermostats include Carrier, Bryant, Lennox, Trane, or American Standard. The contractor shall provide all required electrical work, control wiring, condensate management, system start-up, and commissioning to ensure complete and proper operation of the installed systems at both locations.

### 3.0 Location
**Item 002 – Oak Flats Fire Station**
38001 Golden State Hwy
Castaic, CA 91384
*GPS: 34.5987, -118.7227*

**Item 003 – Fox Field ATB Station**
4503 William J Barnes Ave
Lancaster, CA 93536
*GPS: 34.7406, -118.2097*

### 4.0 Estimated Start Date / Period of Performance
The period of performance is 63 calendar days following issuance of the Notice to Proceed. Start is expected immediately after contract award. The contract time includes allowances for weather-related delays, procurement and delivery of materials and equipment, and completion of final site cleanup.

### 5.0 Objectives
***Item Oak Flats Fire Station***

The scope of work outlines the services and materials that are to be provided by the contractor for the replacement of the entire existing central air conditioning system with a modern in-kind replacement or equivalent unit:

- Remove and properly dispose of existing central air conditioning system
- Supply and install one (1) new in-kind 3.5-ton, 15 SEER, R-454B, condensing unit
- Replace existing lines set with in-kind equivalent. Any openings created in walls, ceilings, floors, or other building materials during the installation shall be fully patched, sealed, and restored so no holes, gaps, or exposed areas remain
- Supply and install one (1) new in-kind 80k BTU 95% furnace
- Supply and install new evaporator coil
- Supply and install new electrical disconnect and fuses
- Supply and install new in-kind indoor air handler unit
- Supply and install new thermostat, and remove existing
- Replace existing mounting pad with in-kind replacement
- Provide and install all necessary materials for the connection of electrical, control wiring, and condensate drain lines.
- Recovery and proper recycling of existing refrigerant from the existing unit
- Start up and test all new equipment to ensure proper operation and functionality

***Item 003 – Fox Field ATB Station***

The scope of work outlines the services and materials that are to be provided by the contractor for the replacement of the entire existing central air conditioning system with a modern in-kind replacement or equivalent unit:

- Remove and properly dispose of existing central air conditioning system
- Supply and install one (1) new in-kind 5-ton, 15 SEER, R-454B, heat pump condenser unit
- Replace existing lines set with in-kind equivalent. Any openings created in walls, ceilings, floors, or other building materials during the installation shall be fully patched, sealed, and restored so no holes, gaps, or exposed areas remain
- Supply and install one (1) new 5-ton air handler with matching coil
- Supply and install new electrical disconnect and fuses
- Supply and install new thermostat and remove existing
- Replace existing mounting pad with in-kind replacement
- Provide and install all necessary materials for the connection of electrical, control wiring, and condensate drain lines.
- Recovery and proper recycling of existing refrigerant from the existing unit
- Start up and test all new equipment to ensure proper operation and functionality

Contractor shall modify the inlet and outlet transition ducts as required to accommodate the new equipment. Existing ductwork shall be reconnected and seals/repairs to be made as necessary for optimal airflow. Any unforeseen issues shall require a written change order before additional work is performed. Dispose of old equipment and properly dispose of in accordance with EPA requirements. Recover and recycle old refrigerant from existing condenser units. Perform all electrical connections to Code. Load system with refrigerant per Manufacturer Specifications using new, California-compliant low-GWP refrigerant, start up, and perform system testing and balancing. Refrigerant must meet California Air Resources Board regulations for new refrigerant use. All work areas shall be protected during installation, and the contractor shall perform full cleanup and removal of all debris.

All work performed shall adhere to the industry best practices for HVAC installation, repair, and service, executed in a good and workmanlike manner in compliance with all applicable codes and specifications.

The Contractor shall possess and maintain all professional licenses required to perform the work specified under this construction contract. In accordance with FAR 52.236-7, *Permits and Responsibilities* (July 2025), the Contractor is solely responsible for obtaining, maintaining, and complying with all permits and licenses necessary to ensure full and proper performance throughout the contract period. This includes any specialty trade licenses required by governing authorities or equipment manufacturers, such as a C-20 HVAC contractor license when necessary for installation and warranty compliance.

Any materials, components, or tasks not specifically identified in this SOW, but required to ensure complete, proper, and anticipated operation of the HVAC systems, shall be considered incidental to the work and included in the Contractor's responsibilities.

### 5.1 Drawings and Specifications

All work performed under this section shall comply with the most current editions of the National Electrical Code (NEC), Environmental Protection Agency (EPA) regulations, and the applicable building codes enforced by the County of Los Angeles.

The Contractor shall adhere to all relevant Construction Specifications Institute (CSI) standards, which are incorporated by reference and provided as attachments to this solicitation. In addition, the Contractor is responsible for identifying and complying with all other applicable codes, standards, and regulations, including but not limited to the NEC, as well as any amendments or updates in effect as of the issuance date of this Statement of Work (SOW).

When discrepancies or conflicts arise between requirements from different regulatory agencies or code authorities, the most stringent standard shall govern the work.

CSI specifications are attached.

## 6.0 Restrictions on Work

- Work hours are limited to non-holiday weekdays, Monday – Friday, 0700 – 1900. Work site much be clear by noon the Friday before a Monday holiday.
- When the Contracting Officer (or designated representative) determines that adverse weather has made access too dangerous or that continued vehicular travel would cause unacceptable road damage.
- For sites requiring archaeology monitoring, contractor must notify COR at least 24 hours prior to any ground disturbing activities and no ground disturbing activities may occur without a Forest Service archaeologist on site.
- When the Contracting Officer or designated representative determines that work must stop due to the presence of archaeological artifacts.
- Contractor is responsible for the security of their tools and equipment at all times.
- All trash and loose materials shall be secured by the contractor daily.
- The Contractor shall not use Government trash facilities without the COR'S approval.
- All construction debris remains the property of the Contractor and shall be properly disposed of off National Forest Land.
- The contractor will be able to utilize the Forest Service Roads; however, the Contractor will be responsible for any damage to the roads due to construction activities. The contractor shall be responsible for obtaining permission to use all other roads and staging areas.

### 6.1 Camping and Housing

Housing or camping is not available or authorized.

### 7.0 Required Submittals

SECTION 017700 - CLOSEOUT PROCEDURES

- Product Data: For each HVAC unit installed
- Contractor's List of Incomplete Items: Initial submittal at Substantial Completion
- Certified List of Incomplete Items: Final submittal at Final Completion.
- Warranty: Product and Labor warranties.

SECTION 017823 - OPERATION AND MAINTENANCE DATA

- Submit operation and maintenance manuals

SECTION 024119 - SELECTIVE DEMOLITION

- Qualification Statements: For refrigerant recovery technician.
- Statement of Refrigerant Recovery

## Contractor Requirements

### 8.0 Travel

No additional payment will be made to the Contractor for any travel expenses incurred while performing work on-site for the duration of the project. This includes all travel associated with pre-bid meetings, pre-construction meetings, site visits, field observations, and any other project-related activities. All such costs shall be considered incidental and included in the Contractor's proposal pricing.

### 9.0 Government Furnished

No Government-furnished property, supplies, or materials will be provided under this contract. The Contractor is responsible for supplying all equipment, materials, tools, and resources necessary to complete the work as specified.

### 10.0 Deliverables / Schedule

| Item No. | Deliverable | Objective | Due |
|---|---|---|---|
| 1 | Project Schedule | Define the timeline. Update of schedule submitted in bid acceptable. | No later than five (5) business days after contract award |
| 2 | Product Data & Warranties | The Contractor will provide documents for the HVAC units installed and replaced. | Before final invoice is approved |

### 11.0 Contractor's Key Personnel

1. Capability in the same or similar key personnel positions on successful relevant projects of similar scope and magnitude to this solicitation
2. Strong technical knowledge and skill required for this solicitation
3. Effective problem solving, communication, coordination, and organization that present lower levels of risk and will be more favorably rated
4. Capacity for key personnel to focus on the project. Those not demonstrating these attributes present higher levels of risk and will be less favorably rated.

### 12.0 Security Requirements

There are no special security requirements associated with this project. The Contractor shall ensure that all personnel comply with applicable federal, state, and local safety regulations throughout the duration of the work. This includes adherence to Occupational Safety and Health Administration (OSHA) standards, as well as any other relevant safety guidelines governing construction, equipment installation, and site operations.

The Contractor is responsible for implementing appropriate safety practices, maintaining a safe work environment, and ensuring that all employees are properly trained and equipped to perform their duties safely. All work areas shall be secured as needed to protect Forest Service personnel, visitors, and contractor staff, and to prevent unauthorized access during construction activities.

## 13.0 Project Site Clean

Project site cleanup includes the removal and proper disposal of all construction trash, debris, and residue off of National Forest Land. All spills of petroleum products including leak spots from parked vehicles shall be removed and properly disposed according to all Local, State, and Federal rules, regulations, and laws governing such disposal. During the Work the Contractor is required to furnish dumpsters or other trash receptacles and to empty such containers either as they become full or weekly, whichever is more frequent. The Contractor shall not place materials of any kind into private or Government trash bins or dumpsters.

## 14.0 Warranty

The Contractor shall complete all required inspections, functional testing, and system demonstrations prior to the final Government inspection. All systems shall be fully operational and performing in accordance with manufacturer specifications and contract requirements before final acceptance.

The warranty shall be provided in accordance with RFO 52.246-21. At a minimum, the warranty shall cover all equipment, components, parts, labor, and travel time necessary to correct defects in materials or workmanship for a period of one (1) year from the date of final Government acceptance. This standard warranty shall apply to all materials and workmanship furnished under this contract.

The Contractor shall ensure that all installed components are covered under the manufacturer’s standard warranty. Any defects identified during the warranty period shall be corrected promptly by the Contractor at no additional cost to the Government.

The Contractor shall provide the Government with written copies of all manufacturer warranties covering equipment and materials, as well as a written labor and workmanship warranty that meets the minimum requirements outlined in this SOW.