

Jones Hole NFH Statement of Work

Install New Backup Kohler/Rehiko 500REOZJC Generator System

General

This Statement of Work outlines one (1) 500 kW Kohler Diesel Generator, Model 500REOZJC, equipped with an EPA Tier 2 engine, steel sound-attenuated enclosure, and Kohler APM603 controller that needs to be installed to the existing infrastructure. This generator will serve as a standby/emergency power source for the Jones Hole National Fish Hatchery and will need to be fully installed, tested, and commissioned in accordance with applicable codes and industry standards.

The [Jones Hole National Fish Hatchery \(NFH\)](#) plays a vital role in the conservation of native cutthroat trout and Kokanee salmon, producing fish for Utah, Wyoming, and the Wind River Indian Reservation.

Equipment Specifications:

New Generator Specifications

- **Manufacturer:** Kohler
- **Model:** 500REOZJC
- **Power Rating kW:** 500
- **Voltage:** 277/480V, 3-Phase
- **Amperage:** 759 amps
- **Hertz:** 60 Hz
- **RPM:** 1800
- **Engine Model:** John Deere 6135HF75
- **EPA Tier:** Tier 2
- **Alternator:** Kohler 5M4027
- **Controller:** Kohler APM603
- **Breaker:** 800-amp LSI
- **Leads:** 12-lead
- **Year:** 2025
- **Overall Dimensions:** 264.3" L × 56.7" W × 123.5" H
- **Overall Weight:** 13,804 lbs
- **Condition:** New
- **894-gallon diesel base tank**, UL-listed, integrated with the generator skid.
- **Steel sound-attenuated enclosure** designed for outdoor use.

Existing Transfer Switch Specifications (See Photo Below)

- **Manufacturer:** S&C Vista Underground Distribution Switchgear
- **Model:** 422
- **Catalog Number:** 954222-L 2M4P612X4Y10Y2Y4Y6-S100
- **Serial Number:** 01V018
- **Power Rating kV Max:** 15.5
- **Power Rating kV BIL:** 95
- **Voltage:** 480V, 3-Phase
- **Amperage:** 600

- **Hertz:** 60 Hz
- **Date of Manufacture:** 1/01

Existing Transformer Specifications (See Photo Below)

- **Manufacturer:** Cooper 30 Transformer
- **Catalog Number:** 000G7P10K12A
- **Serial Number:** 0037019847
- **Power Rating kV Max:** 15.5
- **Power Rating kV BIL:** 95
- **Voltage:** 480V, 3-Phase
- **kVA:** 300
- **Hertz:** 60 Hz

Scope

Site Preparation:

- Modify current concrete equipment pad (remove and reinstall approximately an 8'x6'x1' section) to run conduit underneath the new generator frame.
- Provide underground conduit pathways for power, controls, and grounding.
- Ensure adequate ventilation clearances per Kohler specifications.
- After concrete pad is modified and conduit is installed, provide crane to set generator in place.

Electrical Installation:

- Install and terminate all AC power cables (350 MCM Cable) between generator, and facility main distribution equipment, including main power from generator to transformer (Approx. 28' run), two 110v 20amp double receptacle (Approx. 15' run), transfer switch control wires, and reinstall existing phone line from an already installed pedestal mounted electrical box. New power cables should be sized according to the rating of the new generator.
- Connect to existing grounding system.
- Install generator control wiring, remote annunciators, and communication lines as applicable.
- Integrate the APM603 control system with the facility's emergency power transfer switch equipment and re pipe the transfer switch control wires.
- Turn down the new 500 kW Kohler Diesel Generator, Model 500REOZJC to accommodate existing transfer switch or install an 800 Amp Disconnect next to the Transformer with 600 Amp fuses and connect the Transformer to that Disconnect.
- Install an already purchased alarm autodialed and remote monitoring systems by Guard-IT Systems (<https://alarm-monitoring-systems.racoman.com/guard-it/>).

Testing, Startup & Commissioning:

- Complete full Kohler factory startup procedure by a certified electrician.
- Perform load testing or simulate load testing.
- Test all alarms, safeties, shutdowns, and communication features.
- Provide commissioning documentation upon completion.

Training & Documentation:

Provide on-site overview on new install.

Contacts

[REDACTED]

[REDACTED]

Place of Performance and Period of Performance

- Work is to be performed at the Jones Hole National Fish Hatchery, 24495 East Jones Hole Hatchery Road, Vernal, UT 84078-2042.
- Normal duty hours Monday thru Friday 7:00 a.m. - 3:30 p.m. In the event of emergencies, Contractor shall provide contact information.
- Non-duty hours include weeknights, weekends, and Government holidays.
- Period of Performance is 30 days from the Notice to Proceed.

Evaluation and Acceptance

The vendor will be evaluated as detailed here in. Government acceptance is contingent upon: Designated U.S. Fish and Wildlife Service Representative(s) determining the work to be acceptable and in good working order.

If Vendor or Project Leader upon performing the service of installing the generator finds that there is an increase of estimated costs whether its labor costs or parts or both, or the equipment provided is inadequate for the job, the vendor/supplier will stop work immediately and contact the Contracting Officer and the POCs Jared Marino and/or Kris Johnson for guidance.

Quality Control/Quality Assurance:

Where appropriate, quality control will be maintained according to industry standards and made available to the agency with the vendor's proposal. This includes disposing of used parts, fluids, sludge, solids, etc. by following all associated regulations and laws including Federal, State, and County.

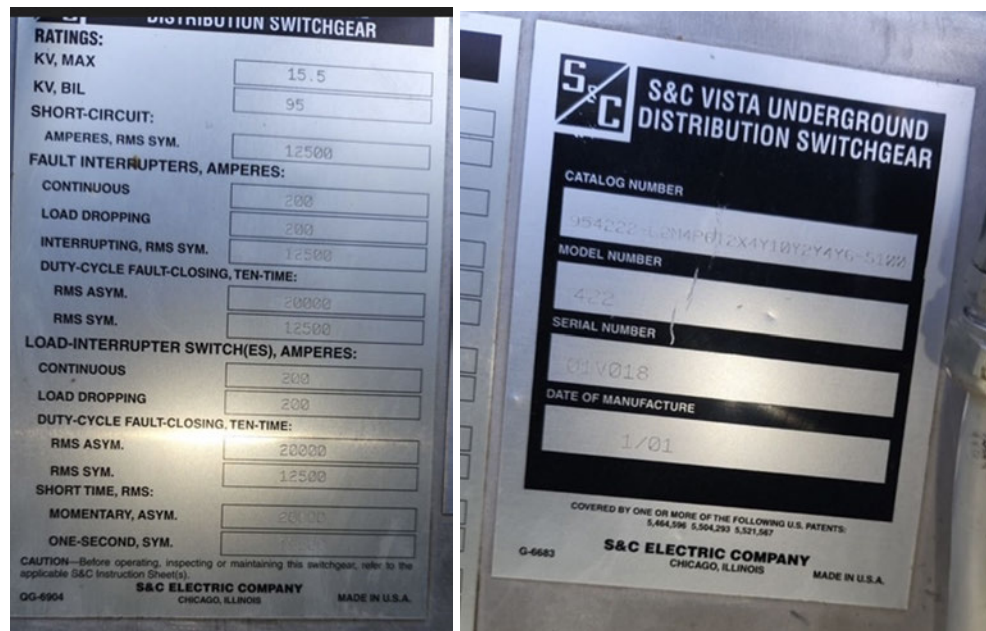
Photos



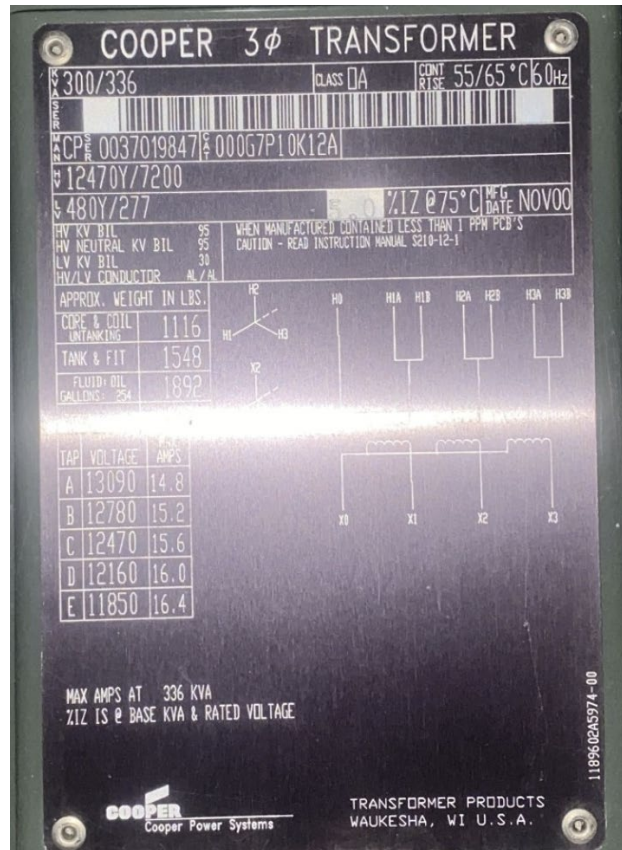
Site Overview ↑



New Generator ↑



Existing Transfer Switch ↑



Existing Transformer↑



Existing 110/220v Pedestal