

REQUEST FOR QUOTES

Scope:

This work proposes contracting electrician services to identify existing electrical services and electrical load, create electrical schematics, and develop specifications for propane-fueled standby generators and automatic transfer switches to adequately supply electricity to the Tribe's community water systems (CWS) in the Keller, Omak and Malott communities on the Colville Indian Reservation.

Performance Time:

Contractor shall begin work as described in the Summary of Work within 5 days of Notice To Proceed (NTP). The entire work shall be completed within 45 days of NTP.

Payment:

Payment will be based on completed and accepted work performed in accordance with the work described in the Summary of Work. Payment will be made as a lumpsum after work has been accepted.

Quote Due Date:

Quotes must be sent to the contacts provided below by **4:00 pm on Wednesday May 22nd, 2024.**

Contacts:

Contract Related:

Dorthey Zacherle
Contracting Officer
Colville Tribe
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Nespelem, WA
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Project Related:

Ron Toulou
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Colville Tribe
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SUMMARY OF WORK

PART 1 - GENERAL

1.01 SUMMARY

- A. The work to be performed under this contract shall consist of identifying the existing electrical services and electrical load, creating electrical schematics, and developing specifications for propane-fueled standby generators and automatic transfer switches to adequately supply electricity to the Colville Confederated Tribe's (Tribe's) community water system (CWS) pumphouses in the Keller, Omak and Malott communities on the Colville Indian Reservation.
- B. Incidental Items: All work and services not expressly listed as being provided by others or not expressly called for in the contract but are necessary for the completion of the work in good faith, shall be furnished, installed, and performed by the Contractor.

1.02 BACKGROUND

- A. This project's purpose is to improve the reliability of the Tribe's community water systems. In recent years, the Colville Indian Reservation has suffered from prolonged power outages due to wind storms. When these outages occur, the affected CWSs are inoperable, and the communities are unable to replenish their water storage tanks until power is restored. Standby generators help maintain water service to the communities during these times. The Washington Administrative Code (WAC) Chapter 246-290 states all public water systems shall provide an adequate quantity and quality of water in a reliable manner at all times, including during unscheduled power outages.
- B. The Keller, Omak and Malott community water systems are public water systems maintained by the Tribe. Each CWS includes a pumphouse that uses groundwater wells to produce the water, elevated water storage tanks to provide water storage and pressure, and a series of water mains to distribute the water throughout the community. Each system obtains its electrical needs from the power distribution grid, and none of the systems currently have an alternate source of power to provide resiliency during emergencies.
- C. Locations:
 - a. Keller CWS
 - i. Location: 48°05'59.2"N 118°41'37.5"W

- b. Omak CWS
 - i. Location: 48°25'53.1"N 119°27'08.0"W
- c. Malott CWS
 - i. Location: 48°16'46.0"N 119°42'09.3"W

1.03 CODES AND STANDARDS AFFECTING WORK

- A. Execution of work under the contract shall satisfy the applicable requirements of the latest National Electrical codes (NEC), National Fire Protection Association (NFPA), Federal, State, and local regulations.

PART 2 - EXECUTION

2.01 WORK TO BE PERFORMED BY CONTRACTOR

- A. Conduct site visits with a representative from the Colville Tribe Public Works Department to identify the *existing* electrical service and loading data.
- B. For each CWS, size the propane generator system with an automatic transfer switch to provide appropriate electrical power output to the pumphouse to operate the CWS for a minimum of 24 hours. The generator system must be capable of starting and operating multiple submersible pumps (if applicable). Generator will need to operate both pumps but only start one pump at a time. Provide a summary of generator system sizing calculations and recommended generator components.
- C. For each CWS, size the propane tank to provide a minimum of 24 hours of generator operation under full load. Provide a summary of tank sizing calculations.
- D. For each CWS, provide installation location, specification recommendations, and electrical schematics to connect the generator system to the CWS based on applicable codes and standards.

END SECTION