



STATE OF ALASKA
Department of Environmental Conservation
Division of Air Quality

Air Quality Monitoring Site HVAC Units
RFQ No. 18-617-24
Anchorage, AK.

Date of Issue: January 11, 2024

PURPOSE:

The State of Alaska, Department of Environmental Conservation, Division of Air Quality is soliciting quotes for six (6) heat, ventilation, and air condition (HVAC) systems for the air quality monitoring site shelter in Palmer, Alaska, under the Division's Air Monitoring & Quality Assurance (AMQA) Program.

The Procurement Officer for this document is:

Heather Zepp, Procurement Specialist 3

State of Alaska, Department of Administration

Department of Environmental Conservation

Email: DECDASPROCUREMENT@alaska.gov

ATTACHMENT 1

Item Description:

The Department of Environmental Conservation (DEC) requires the purchase of six (6) heat, ventilation, and air conditioning (HVAC systems) for the aging climate-controlled electronics cabinet shelters at its regulatory monitoring sites in Anchorage and Mat-Su. These shelters house Federal Equivalent Method (FEM) instruments vital for collecting particulate matter data under stringent federal guidelines. The current HVAC systems are experiencing periodic failures, posing a risk to meeting federally mandated data capture rates and compromising DEC's ability to make informed decisions in protecting human health. The shelters were specifically insulated, designed, and constructed to accommodate HVAC systems with the specified size, control capability, weather resistance, heat, and air conditioning British Thermal Unit (BTU) rating, and amp and volt ratings corresponding to the Hoffman/nVent/Pentair model # CR29-0216-G047P. Multiple companies have produced or are producing equivalent models that align with these criteria. Our internal capabilities allow for the removal and installation of these units without external assistance in most instances. The specified HVAC systems shall be Hoffman/nVent/Pentair model # CR29-0216-G047P, configured for 120 VAC, with 3000btu cooling, 500 watts of heating capacity, and an internal thermostat. Alternative offers must be approved by the DEC Project Manager.

The chosen vendor is expected to supply the units and handle shipping to the DEC location at:
2241 Cinnabar Loop.
Anchorage, AK., 99507

Specifications:

The requested equipment should meet the following technical specifications:

- **Model:** Hoffman/nVent/Pentair CR29-0216-G047P or equivalent
 - **Design Specifics:**
 - Engineered for compatibility with climate-controlled electronics cabinet shelters.
 - Constructed with materials and features suitable for regulatory monitoring site environments.
 - **Voltage:** 120 VAC
 - Standard voltage support for widespread usability.
 - **Cooling Capacity:** 3000 BTU
 - Robust cooling capability to maintain optimal temperature conditions within the shelter.
 - **Heating Capacity:** 500 watts
 - Provides effective heating, ensuring stability and functionality in varied temperature conditions.
 - **Thermostat:** Internal
 - Internal thermostat for precise temperature regulation, enhancing control and efficiency.

ATTACHMENT 1

- **Manufacturer:** Hoffman/nVent/Pentair or equivalent
 - A reputable manufacturer known for producing reliable and durable equipment for industrial applications.
- **Model Number:** CR29-0216-G047P or equivalent
 - Specific model number for easy identification and compatibility verification.
- **Additional Notes:**
 - Weather-resistant construction for durability in diverse environmental conditions.

To DEC's satisfaction, the vendor shall provide the item(s) and perform the one-year warranty/maintenance support included in the purchase. The vendor shall be responsible for all communications regarding the purchase and delivery of the equipment and shall discuss with DEC any issues, recommendations, and decisions related to the contract. The vendor will be the sole point of contact on all matters related to the purchase.

Questions regarding this document shall be addressed in writing to the Procurement Officer and sent to the following E-mail address: DECDAProcurement@alaska.gov.