




Phone:  
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Jemez Springs 575-829-3550

Your Touchstone Energy® Cooperative   
The power of human connections®

**Electric Cooperative, Inc.**  
P.O. Box 128, Espanola, New Mexico, 87532

*Jemez Mountains Electric Cooperative, Inc. is an equal opportunity provider and employer.*

**Request for proposal (RFP):** RFP Number 22-0831-0001  
**RFP Title:** Engineering Design of a new 115 kV Transmission Line and new Substation.  
**Issue Date:** August 3, 2022  
**Bid Due Date:** August 19, 2022  
**Bid Opening Date:** TBD

**Important Note:** Indicate Company Name and RFP 22-0831-0001 on envelope

Jemez Mountains Electric Cooperative, Inc. (JMEC) is issuing a Request for Proposal (RFP) for a licensed engineering firm to design a 115 kV transmission line and new six bay substation in compliance with 7 CFR Part 1726 - Electric System Construction Policies and Procedures for the build of a new transmission line and substation between the existing JMEC Lybrook Substation and the La Jara Substation owned and operated by Tri-State Generation and Transmission. This project is located in North Central New Mexico in Sandoval County (See Map Exhibit A).

**Requirements:**

- Professional References
- Engineering firm requirements: Hold a valid Business License. Hold a valid Engineering License, PE licensure required. Out of State Engineering Firms must be registered to do business in the State of NM and present a valid NM Tax ID number.
- Provide Certifications of Staff that will be involved in the Scope of Work (SOW).
- Hold a valid Certificate of Professional Liability Insurance, Errors and Omissions Insurance, to be included in the amount of no less than Three Million Dollars (\$3,000,000); and business auto liability insurance covering owned, hired and non-owned vehicles with minimum combined bodily injury and property damage limit of One Million Dollars (\$1,000,000) per occurrence. Worker's Compensation Insurance, to cover obligations imposed by Federal and State statutes pertaining to Contractor's employees engaged in the performance of any services, and Employer's Liability Insurance with a minimum limit of One Million Dollars (\$1,000,000). Contractor shall provide to JMEC current certificates of such coverage. The JMEC Board of Trustees,

Management, and Employees must be listed as additional insured under the Contractor's Liability Insurance.

- After contract award, any and all changes to the SOW must have prior approval by the JMEC CEO and General Manager.
- Contractor will be required to enter into the JMEC Standard Form of Agreement between JMEC and Contractor, as modified by JMEC. Contractor will comply with the provisions of required certificates of insurance, and all other required paperwork before a Notice to Proceed will be issued from the JMEC Contract Administrator.

Primary Contact – JMEC Contract Administrator – Karen Wisdom:

**Submittal:**

***Please submit a Sealed Bid no later than August 19, 2022, to Karen Wisdom, Contract Administrator, at 19365 US 84/285, Hernandez, NM 87537 or PO Box 128, Espanola, New Mexico, 87532. Bids submitted via email will not be accepted.***

The sealed envelope shall be identified on the face of the envelope with the following:

- Name and address of the Offeror whether individual or firm/s.
- Project Name and RFP # 22-0831-0001.
- Date and time proposal is due August 19, 2022, by COB 4:30 PM MST.
- Mailings address for delivery to JMEC Headquarters Espanola District Office, 19365 US 84/285, Hernandez, NM 87537 or PO Box 128 Espanola, NM 87532. To ensure proper delivery via FedEx or UPS, the Response to the RFP envelope must be delivered to the front of the Espanola District Office headquarters offices.

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JMEC reserves the right to accept and/or reject any and all proposals. In ALL cases, any award resulting from the RFP shall always be in the best interests of JMEC.

Submittal of a proposal indicates acceptance by the Offeror of the conditions contained in this request. JMEC reserves the right to reject without prejudice any and or all responses. JMEC reserves the right to amend the specification of this RFP and request new and/or updated proposals at any time prior to award of contract. JMEC shall select the best proposal based on the evaluation criteria. Proposals shall be valid for (90) ninety days following the opening date. No proposal may be withdrawn or changed during this time.

Proposals shall be as thorough as necessary to establish the Offering firm's ability to complete the project in a timely manner.

All proposals are required to address the following information:

- Cover letter from an authorized individual who can commit to the terms and conditions of the proposal.

- A complete description of the firm, its background and present location of business. The description must include a list of corporate officers, names of partners if a partnership or members of a limited liability company.
- A list of current projects being performed by the firm.
- A summary of typical project clients (electric cooperatives, private or government entities)
- A statement of qualifications to demonstrate capability of performing and completing the requested services.
- A summary of previous projects and scope of work conducted in or near JMEC service territories.
- A list of at least three references for which the firm has performed work within the last two years substantially similar to the JMEC project. Include client names addresses, contact person or project manager, phone number and project name or identification number.
- A technical summary of the included SOW outlining the work to be performed, summarizing the proposed work effort, and indicating any proposed modifications to the SOW, Suggested modifications must include a description of the change to the design services, a technical reason for the proposed change and the applicable costs associated with the design modification.
- The names, job classifications, and experience of all personnel who shall be assigned to this project. Personnel previously employed by JMEC in any supervisory engineering capacity cannot inspect or certify the results of the work order inspections. This would present a Conflict of Interest.
- A list of any subcontractors to be employed by this project and shall include all information required of the submitting firm.
- Must provide the Offeror's single point of contact through proposal acceptance. JMEC shall communicate solely through this contact regarding all issues of acceptance. A correct email address, postal address, phone number and fax number must be included for the point of contact.
- Proposals of corporations not incorporated in the State of New Mexico must be accompanied by the proper certifications that such corporation is authorized to do business in the State of New Mexico and provide a New Mexico Taxation and Revenue Department Identification Number at time of proposal submittal.
- JMEC shall make such investigations, in its best interests, as it deems necessary, to determine the ability of the proposer to perform the services required by the SOW. Upon request, the Offeror to the RFP shall furnish evidence satisfactory to JMEC that it has the necessary facilities, ability, and financial resources to fulfill the project's SOW.

## RFP 22-0831-0001

### Scope of Work for Engineering Services for a new substation and 115 kV transmission line

- Design Requirements per 7 CFR Part 1724 and 7 CFR Part 1726
- Possess knowledge of the JMEC distribution and transmission system.
- Possess knowledge of the Tri-State transmission system.
- Approximately thirty-four miles of a new 115 kV transmission line to be designed and engineered to include a new six bay substation with one 25 MVA transformer with the expansion ability to a second transformer to split the substation.
- Work shall include a control house with required panels and battery equipment to operate the substation equipment.
- Work shall include the specification of the 25 MVA transformer and bid preparation.
- Work shall include relay coordination with distribution and 115 kV transformer breaker.
- Transmission line to include ductile iron poles and davit arm design.
- Design best route possible (1) with an alternate route (2) if necessary.
- Prepare environmental report per RUS Bulletin 1794 A -602
- Prepare the environmental report for the Bureau of Land Management (BLM) in accordance with the National Environmental Policy Act (NEPA) Environmental Assessment (EA).

All design and engineering plans shall comply with RUS and NESC standards and requirements.

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#### § 7 CFR Part 1724.51 Design Requirements

(a) **Distribution.** All distribution facilities must conform to the applicable RUS construction standards and utilize RUS accepted materials.

(b) **Transmission lines.**

(1) All transmission line design data must be approved by RUS, or a licensed professional engineer may certify that the design data, plans and profiles drawings for the electric system facilities meets all applicable RUS electric design requirements, specifications, local, state and national requirements and that RUS listed materials were used.

(2) Design data consists of all significant design features, including, but not limited to, transmission line design data summary, general description of terrain, right-of-way calculations, discussion concerning conductor and structure selection, conductor sag and tension information, design clearances, span limitations due to clearances, galloping or conductor separation, design loads, structure strength limitations, insulator selection and design, guying requirements, and vibration considerations. For lines composed of steel or concrete poles, or steel towers, in which load information will be used to purchase the structures, the design data shall also include loading trees, structure configuration and selection, and a discussion concerning foundation selection.

(3) Line design data for upgrading transmission lines to higher voltage levels or capacity must be approved by RUS.

(4) Transmission line design data which has received RUS approval in connection with a previous transmission line construction project for a particular borrower is considered approved by RUS for that borrower, provided that:

(i) The conditions on the project fall within the design data previously approved; and

(ii) No significant NESC revisions have occurred.

**(c) Substations.**

(1) All substation design data must be approved by RUS, or a licensed professional engineer may certify that the design data, plans and profiles drawings for the electric system facilities meets all applicable RUS electric design requirements, specifications, local, state and national requirements and that RUS listed materials were used.

(2) Design data consists of all significant design features, including, but not limited to, a discussion of site considerations, oil spill prevention measures, design considerations covering voltage, capacity, shielding, clearances, number of low and high voltage phases, major equipment, foundation design parameters, design loads for line support structures and the control house, seismic considerations, corrosion, grounding, protective relaying, and AC and DC auxiliary systems. Reference to applicable safety codes and construction standards are also to be included.

(3) Substation design data which has received RUS approval in connection with a previous substation construction project for a particular borrower is considered approved by RUS for that borrower, provided that:

(i) The conditions on the project fall within the design data previously approved; and

(ii) No significant NESC revisions have occurred.

The provisions of this section apply to all borrower electric system facilities regardless of the source of financing.

§ 7 CFR Part 1724.52 Permitted deviations from RUS construction standards.

**(a) Structures for raptor protection.**

(1) RUS standard distribution line structures may not have the extra measure of protection needed in areas frequented by eagles and other large raptors to protect such birds from electric shock due to physical contact with energized wires. Where raptor protection in the design of overhead line structures is required by RUS; a Federal, State, or local authority with permit or license authority over the proposed construction; or where the borrower voluntarily elects to comply with the recommendations of the U.S. Fish and Wildlife Service or State wildlife agency, borrowers are permitted to deviate from RUS construction standards, provided:

(i) Structures shall be compliant and constructed in accordance with "Suggested Practices for Raptor Protection on Powerlines: The State of the Art in 1996" (Suggested Practices for Raptor Protection); and,

(ii) Structures are in accordance with the NESC and applicable State and local regulations.

(2) Any deviation from the RUS construction standards for the purpose of raptor protection, which is not in accordance with the Suggested Practices for Raptor Protection, must be approved by RUS

prior to construction. "Suggested Practices for Raptor Protection on Powerlines: The State of the Art in 1996," published by the Edison Electric Institute/Raptor Research Foundation, is hereby incorporated by reference. This incorporation by reference is approved by the Director of the Office of the Federal Register in accordance with 5 U.S.C. 552(a) and 1 CFR Part 51. Copies of this publication may be obtained from the Raptor Research Foundation, Inc., c/o Jim Fitzpatrick, Treasurer, Carpenter Nature Center, 12805 St. Croix Trail South, Hastings, Minnesota 55033. It is also available for inspection during normal business hours at RUS, Electric Staff Division, 1400 Independence Avenue, SW., Washington, DC, Room 1246-S, and at the National Archives and Records Administration (NARA).

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JMEC Local Vendor Preference. The JMEC Board of Trustees has approved and supports a local vendor preference which applies to all competitive bids for equipment, materials, supplies and contractual services in which the contractual services are procured using a bid solicitation process based solely on price. No consideration shall be given to any other factors such as qualifications, references, or experience in determining contract award, provided the vendor whose price is determined to be the lowest has met all the bid specifications and requirements. A preference will apply to professional service contracts awarded by means of the RFP process.

Local Vendor shall mean any business which:

Has had a fixed office or distribution point located in and having a street address within the JMEC service area for at least one year immediately prior to the issuance of the request for competitive bids by the JMEC Contract Administrator.

Employs at least two full-time employees whose primary residence is located within JMEC service area, or if the business has no employees, shall be at least fifty percent owned by one or more persons whose primary residence(s) is located within JMEC service area; and will credit all sales taxes generated pursuant to the contract awarded as a result of the application of this local vendor preference to its business location in the JMEC service area.

If the low bidder is not a local vendor, any local vendor that submitted a bid that is within ten (10) percent of the low bid shall have the option of submitting a new bid within 48 hours (not including weekends and holidays) of the time indicated in the bid documents of the bid opening. Such new bids must be in an amount less than or equal to the low bid announced by the JMEC Contract Administrator. If the JMEC Contract Administrator receives any new bids from local vendors who have the option of submitting new bids within said forty-eight (48) hour period, the JMEC Contract Administrator shall award the contract to the local vendor submitting the lowest bid. If no new bids are received, the contract shall be awarded to the original low bidder as announced by the JMEC Contract Administrator. If more than one new bid is received from local vendors, and there is a tie for the low bid, the contract shall be awarded to the local vendor whose original bid was the lowest.

## Bid Sheet and Certification

JMEC desires to engage a licensed engineering firm for the design of a new 115 kV transmission line and a new six bay substation.

Lump Sum Fixed Price Bid \$ \_\_\_\_\_

NM Gross Receipts Tax; County of Sandoval percentage 6.25% \$ \_\_\_\_\_

Grand Total \$ \_\_\_\_\_

Weeks to complete the project \_\_\_\_\_

I certify that this bid is made without prior understanding, agreement, or connection with any corporation, firm or person submitting a bid for the same materials, supplies, equipment, or service, that it meets or exceeds all the specifications contained herein and is in all respects fair and without collusion or fraud. I understand collusive bidding is a violation of state and federal law, and can result in fines, prison sentences, and civil damage awards. I agree to abide by all conditions of this bid, all specifications as stated, all bid prices, and certify that I am authorized to sign for the bidder.

Company Name: \_\_\_\_\_

Company Address: \_\_\_\_\_

Taxpayer Identification Number (T.I.N): \_\_\_\_\_

Telephone No. \_\_\_\_\_

Fax No. \_\_\_\_\_

Email Address: \_\_\_\_\_

Print Name: \_\_\_\_\_

Signature: \_\_\_\_\_

## Bidder Reference Form

The Contractor shall supply, with its bid, professional references of companies or organizations for which it has performed similar right-of-way clearing work within the last (24) months. At least three (3) references shall be included with a contact name and telephone number.

Reference 1:

Company Name: \_\_\_\_\_

Contact Name: \_\_\_\_\_

Contact Phone: \_\_\_\_\_ Contact Email: \_\_\_\_\_

Date(s) of Services Rendered: \_\_\_\_\_

Brief Description of Specific Services Rendered:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Reference 2:

Company Name: \_\_\_\_\_

Contact Name: \_\_\_\_\_

Contact Phone: \_\_\_\_\_ Contact Email: \_\_\_\_\_

Date(s) of Services Rendered: \_\_\_\_\_

Brief Description of Specific Services Rendered:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Reference 3:

Company Name: \_\_\_\_\_

Contact Name: \_\_\_\_\_

Contact Phone: \_\_\_\_\_ Contact Email: \_\_\_\_\_

Date(s) of Services Rendered: \_\_\_\_\_

Brief Description of Specific Services Rendered:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



Exhibit A  
RFP 22-0831-0001  
Map

