



**AGREEMENT
BETWEEN OWNER AND ENGINEER
FOR
PROFESSIONAL SERVICES**

THIS IS AN AGREEMENT effective as of date signed by Owner between City of Crete, Nebraska ("Owner") and JEO Consulting Group, Inc. ("Engineer").

Owner's project, of which Engineer's services under this Agreement are a part, is generally identified as follows:

Crete 2024 Photovoltaic System Impact Study ("Project").

JEO Project Number: 241285.00

Owner and Engineer further agree as follows:

ARTICLE 1 - SERVICES OF ENGINEER

1.01 Scope

- A. Engineer shall provide, or cause to be provided, the services set forth herein and in Exhibit A.

ARTICLE 2 - OWNER'S RESPONSIBILITIES

2.01 Owner Responsibilities

- A. Owner responsibilities are outlined in Section 3 of Exhibit B.

ARTICLE 3 - COMPENSATION

3.01 Compensation

- A. Owner shall pay Engineer as set forth in Exhibit A and per the terms in Exhibit B.
- B. The fee for the Project is: See Exhibit A.
- C. The Standard Hourly Rates Schedule shall be adjusted annually (as of approximately January 1st) to reflect equitable changes in the compensation payable to Engineer. The current hourly rate schedule can be provided upon request.

ARTICLE 4 - EXHIBITS AND SPECIAL PROVISIONS

4.01 Exhibits

Exhibit A – Scope of Services
Exhibit B – General Conditions

4.02 Total Agreement

- A. This Agreement (consisting of pages 1 to 2 inclusive, together with the Exhibits identified as included above) constitutes the entire agreement between Owner and Engineer and supersedes all prior written or oral understandings. This Agreement may only be amended, supplemented, modified, or canceled by a duly executed written instrument.

IN WITNESS WHEREOF, the parties hereto have executed this Agreement.

Owner: City of Crete, Nebraska

Engineer: JEO Consulting Group, Inc.

By: 



By: Matt E. Kalin

Title: 

Title: Electrical Senior Project Manager

Date Signed: 

Date Signed: April 25, 2024

Address for giving notices:

Address for giving notices:

City of Crete, Nebraska

JEO Consulting Group, Inc.

243 East 13th Street

404 South 25th Street, Suite B

Crete, NE 68333-0086

Norfolk, NE 68701

Attn: Tom Ourada, City Administrator

Attn: Dave Peterson, Senior Electrical Engineer

EXHIBIT A
Scope of Services
Crete 2024 Photovoltaic System Impact Study
City of Crete, Nebraska
JEO Project No. 241285.00

PROJECT UNDERSTANDING:

The City of Crete, Nebraska (Owner) is working with Sandhills Energy to develop a plan to install a 1.6 MW solar farm within the Owner's electrical service territory. It is anticipated that the solar farm will tie into the Owner's 13.8Y/7.96 kV electrical distribution system. The projected construction timeframe for the solar farm is 2024-2025.

The development of a map-based model of the Owner's existing sub-transmission system, Braden substation, and the associated feeder that the solar farm will be connected will be utilized to evaluate the impact(s) to the Owner's and Nebraska Public Power Districts (NPPD's) electrical infrastructure with the installation of a 1.6 MW solar farm. The impact study will be completed in accordance with the National Rural Electric Cooperative Association (NRECA) PV System Impact Guide.

Scope of Services:

1 STUDY AND REPORT PHASE:

- 1.1 Facilitate an Initial/Kick-off Meeting with Owner. Meeting will review the scope, schedule, and project requirements. The Engineer will also ask for any specific requirements or concerns from the Owner about the project. (One virtual meeting)
- 1.2 Coordinate with NPPD to request the available short-circuit current information at the 34.5 kV bus of the NPPD Crete 115 kV substation.
- 1.3 Provide on-site engineering field survey and data collection to locate and obtain the following (Owner assistance will be required, on-site work to be conducted in one trip, consisting of approximately one day):
 - (a) Sub-transmission conductor size.
 - (b) Distribution conductor size and phasing.
 - (c) Distribution transformer sizes and phase connections.
 - (d) Configuration of distribution switches during normal operation.
 - (e) Capacitor bank size(s) and state of operation during different loading seasons.
- 1.4 A map-based model of the necessary system components (sub-transmission line, Braden substation, and associated feeder) will be developed. The existing sub-transmission line, Braden substation including existing backup generation, and 13.8Y/7.96 kV distribution line to connect the proposed solar farm will need to be modeled. Hourly demand data will be used to determine the conductor loading per phase, voltage drop, and power factor with respect to ANSI standards.
- 1.5 Develop minimum and maximum load scenario(s) with solar farm off and on to determine any impacts to the system without violating applicable codes/standards concerning conductor loading, voltage limits, power factor, voltage flicker, short-circuit currents, and reverse power screening.
- 1.6 Develop a 'draft' System Impact Study Report (Report) to summarize the system analysis methodology and document any system impact(s).

- 1.7 Complete a Quality Assurance / Quality Control (QA/QC) review. A preliminary Report will be provided to the Owner for review. All comments to be incorporated into the final Report.
- 1.8 Present completed Report and review in detail with the Owner and NPPD. (One closeout virtual meeting)
- 2 **FEE:**
 - 2.1 The cost to provide the above-mentioned Study and Report Phase services would be a lump sum fee of \$17,250.00.
 - 2.2 This fee includes JEO's billable time and overhead expenses including telephone calls, copying, postage, travel and meals that are included in our hourly rates and fees. Any additional services beyond the Scope of Service will be provided on a billable time basis in accordance with our standard Hourly Rate Schedule, only with prior approval by Owner.
- 3 **PAYMENT:**
 - 3.1 We will invoice you monthly for work completed to date, payment is due upon receipt. Invoices unpaid after 30 days may accrue interest at 12% per annum (1.0%/month).
- 4 **TIME FRAME:**
 - 4.1 Study and Report Phase – 60 calendar days from receipt of Owner provided data.
- 5 **OWNER RESPONSIBILITY:**
 - 5.1 Any electronic or paper copies of the existing sub-transmission system.
 - 5.2 Any electronic or paper copies of the existing 13.8Y/7.96 kV primary electrical distribution system.
 - 5.3 Proposed one-line diagram and site plan of solar farm.
 - 5.4 Feeder minimum and peak demands with reactive power consumption or power factor for the Braden substation for the last year.
 - 5.5 Hourly load profile data for the electric system for the past three years.
 - 5.6 Overcurrent protective device settings for the 34.5 kV circuit breaker.
- 6 **EXCLUSIONS:**
 - 6.1 Electrical distribution plat maps (existing and proposed).
 - 6.2 Design services for proposed improvements.
 - 6.3 Any permit fees associated with permit applications.
 - 6.4 Special meetings and meetings not outlined in the Scope of Services.

JEO CONSULTING GROUP INC JEO ARCHITECTURE INC

1. SCOPE OF SERVICES: JEO Consulting Group, Inc. (JEO) shall perform the services described in Exhibit A. JEO shall invoice the owner for these services at the fee stated in Exhibit A.

2. ADDITIONAL SERVICES: JEO can perform work beyond the scope of services, as additional services, for a negotiated fee or at fee schedule rates.

3. OWNER RESPONSIBILITIES: The owner shall provide all criteria and full information as to the owner's requirements for the project; designate and identify in writing a person to act with authority on the owner's behalf in respect to all aspects of the project; examine and respond promptly to JEO's submissions; and give prompt written notice to JEO whenever the owner observes or otherwise becomes aware of any defect in work.

Unless otherwise agreed, the owner shall furnish JEO with right-of-access to the site in order to conduct the scope of services. Unless otherwise agreed, the owner shall also secure all necessary permits, approvals, licenses, consents, and property descriptions necessary to the performance of the services hereunder. While JEO shall take reasonable precautions to minimize damage to the property, it is understood by the owner that in the normal course of work some damage may occur, the restoration of which is not a part of this agreement.

4. TIMES FOR RENDERING SERVICES: JEO's services and compensation under this agreement have been agreed to in anticipation of the orderly and continuous progress of the project through completion. Unless specific periods of time or specific dates for providing services are specified in the scope of services, JEO's obligation to render services hereunder shall be for a period which may reasonably be required for the completion of said services.

If specific periods of time for rendering services are set forth or specific dates by which services are to be completed are provided, and if such periods of time or date are changed through no fault of JEO, the rates and amounts of compensation provided for herein shall be subject to equitable adjustment. If the owner has requested changes in the scope, extent, or character of the project, the time of performance of JEO's services shall be adjusted equitably.

5. INVOICES: JEO shall submit invoices to the owner monthly for services provided to date and a final bill upon completion of services. Invoices are due and payable within 30 days of receipt. Invoices are considered past due after 30 days. Owner agrees to pay a finance charge on past due invoices at the rate of 1.0% per month, or the maximum rate of interest permitted by law.

If the owner fails to make any payment due to JEO for services and expenses within 30 days after receipt of JEO's statement, JEO may, after giving 7 days' written notice to the owner, suspend services to the owner under this agreement until JEO has been paid in full all amounts due for services, expenses, and charges.

6. STANDARD OF CARE: The standard of care for all services performed or furnished by JEO under the agreement

shall be the care and skill ordinarily used by members of JEO's profession practicing under similar circumstances at the same time and in the same locality. JEO makes no warranties, express or implied, under this agreement or otherwise, in connection with JEO's services.

JEO shall be responsible for the technical accuracy of its services and documents resulting therefrom, and the owner shall not be responsible for discovering deficiencies therein. JEO shall correct such deficiencies without additional compensation except to the extent such action is directly attributable to deficiencies in owner furnished information.

7. REUSE OF DOCUMENTS: Reuse of any materials (including in part plans, specifications, drawings, reports, designs, computations, computer programs, data, estimates, surveys, other work items, etc.) by the owner on a future extension of this project, or any other project without JEO's written authorization shall be at the owner's risk and the owner agrees to indemnify and hold harmless JEO from all claims, damages, and expenses including attorney's fees arising out of such unauthorized use.

8. ELECTRONIC FILES: Copies of Documents that may be relied upon by the owner are limited to the printed copies (also known as hard copies) that are signed or sealed by JEO. Files in electronic media format of text, data, graphics, or of other types that are furnished by JEO to the owner are only for convenience of the owner. Any conclusion or information obtained or derived from such electronic files shall be at the user's sole risk.

a. Because data stored in electronic media format can deteriorate or be modified inadvertently or otherwise without authorization of the data's creator, the party receiving electronic files agrees that it shall perform acceptance tests or procedures within 30 days, after which the receiving party shall be deemed to have accepted the data thus transferred. Any errors detected within the 30 day acceptance period shall be corrected by the party delivering the electronic files. JEO shall not be responsible to maintain documents stored in electronic media format after acceptance by the owner.

b. When transferring documents in electronic media format, JEO makes no representations as to long term compatibility, usability, or readability of documents resulting from the use of software application packages, operating systems, or computer hardware differing from those used by JEO at the beginning of the project.

c. The owner may make and retain copies of documents for information and reference in connection with use on the project by the owner.

d. If there is a discrepancy between the electronic files and the hard copies, the hard copies govern.

e. Any verification or adaptation of the documents by JEO for extensions of the project or for any other project shall entitle JEO to further compensation at rates to be agreed upon by the owner and JEO.

9. SUBCONSULTANTS: JEO may employ consultants as JEO deems necessary to assist in the performance of the services. JEO shall not be required to employ any consultant unacceptable to JEO.

10. INDEMNIFICATION: To the fullest extent permitted by law, JEO and the owner shall indemnify and hold each other

JEO CONSULTING GROUP INC □ JEO ARCHITECTURE INC

harmless and their respective officers, directors, partners, employees, and consultants from and against any and all claims, losses, damages, and expenses (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals, and all court or arbitration or other dispute resolution costs) to the extent such claims, losses, damages, or expenses are caused by the indemnifying parties' negligent acts, errors, or omissions. In the event claims, losses, damages, or expenses are caused by the joint or concurrent negligence of JEO and the owner, they shall be borne by each party in proportion to its negligence.

11. INSURANCE: JEO shall procure and maintain the following insurance during the performance of services under this agreement:

- a. Workers' Compensation: Statutory
- b. Employer's Liability
 - i. Each Accident: \$500,000
 - ii. Disease, Policy Limit: \$500,000
 - iii. Disease, Each Employee: \$500,000
- c. General Liability
 - i. Each Occurrence (Bodily Injury and Property Damage): \$1,000,000
 - ii. General Aggregate: \$2,000,000
- d. Auto Liability
 - i. Combined Single: \$1,000,000
- e. Excess or Umbrella Liability
 - i. Each Occurrence: \$1,000,000
 - ii. General Aggregate: \$1,000,000
- f. Professional Liability:
 - i. Each Occurrence: \$1,000,000
 - ii. General Aggregate: \$2,000,000
- g. All policies of property insurance shall contain provisions to the effect that JEO and JEO's consultants' interests are covered and that in the event of payment of any loss or damage the insurers shall have no rights of recovery against any of the insureds or additional insureds thereunder.
- h. The owner shall require the contractor to purchase and maintain general liability and other insurance as specified in the Contract Documents and to cause JEO and JEO's consultants to be listed as additional insured with respect to such liability and other insurance purchased and maintained by the contractor for the project.
- i. The owner shall reimburse JEO for any additional limits or coverages that the owner requires for the project.

12. TERMINATION: This agreement may be terminated by either party upon 7 days prior written notice. In the event of termination, JEO shall be compensated by owner for all services performed up to and including the termination date. The effective date of termination may be set up to thirty (30) days later than otherwise provided to allow JEO to demobilize personnel and equipment from the site, to complete tasks whose value would otherwise be lost, to prepare notes as to the status of completed and uncompleted tasks, and to assemble project materials in orderly files.

13. GOVERNING LAW: This agreement is to be governed by the law of the state in which the project is located.

14. SUCCESSORS, ASSIGNS, AND BENEFICIARIES: The owner and JEO each is hereby bound and the partners, successors, executors, administrators and legal representatives of the owner and JEO are hereby bound to the other party to this agreement and to the partners, successors, executors, administrators and legal representatives (and said assigns) of such other party, with respect to all covenants, agreements and obligations of this agreement.

a. Neither the owner nor JEO may assign, sublet, or transfer any rights under or interest (including, but without limitation, monies that are due or may become due) in this agreement without the written consent of the other, except to the extent that any assignment, subletting, or transfer is mandated or restricted by law. Unless specifically stated to the contrary in any written consent to an assignment, no assignment shall release or discharge the assignor from any duty or responsibility under this agreement.

b. Unless expressly provided otherwise in this agreement: Nothing in this agreement shall be construed to create, impose, or give rise to any duty owed by the owner or JEO to any contractor, contractor's subcontractor, supplier, other individual or entity, or to any surety for or employee of any of them.

c. All duties and responsibilities undertaken pursuant to this agreement shall be for the sole and exclusive benefit of the owner and JEO and not for the benefit of any other party.

15. PRECEDENCE: These standards, terms, and conditions shall take precedence over any inconsistent or contradictory language contained in any proposal, contract, purchase order, requisition, notice to proceed, or like document regarding JEO's services.

16. SEVERABILITY: Any provision or part of the agreement held to be void or unenforceable shall be deemed stricken, and all remaining provisions shall continue to be valid and binding upon the owner and JEO, who agree that the agreement shall be reformed to replace such stricken provision or part thereof with a valid and enforceable provision that comes as close as possible to expressing the intention of the stricken provision.

17. NON-DISCRIMINATION CLAUSE: Pursuant to Neb. Rev. Stat. § 73-102, the parties declare, promise, and warrant that they have and will continue to comply fully with Title VI of the Civil Rights Act of 1964, as amended (42 U.S.C.A § 1985, et seq.) and the Nebraska Fair Employment Practice Act, Neb. Rev. Stat. § 48-1101, et seq., in that there shall be no discrimination against any employee who is employed in the performance of this agreement, or against any applicant for such employment, because of age, color, national origin, race, religion, creed, disability or sex.

18. E-VERIFY: JEO shall register with and use the E-Verify Program, or an equivalent federal program designated by the United States Department of Homeland Security or other federal agency authorized to verify the work eligibility status of a newly hired employee pursuant to the Immigration Reform and Control Act of 1986, to determine the work eligibility status of new employees physically performing services within the state where the work shall be performed. Engineer shall require the same of each consultant.