



Pioneer Electric Cooperative, Inc.
1850 W. Oklahoma Avenue, Ulysses, KS 67880
Phone (620) 356-1462 Fax (620) 356-1669

Request for Proposal (RFP)
Permanent Work – Power Restoration Services
RFP No. 2019-001

I. Background

Pioneer Electric Cooperative, Inc. (“PEC”) is seeking proposals to establish a contract with a qualified and experienced firm, herein after referred to as “Contractor,” to provide Reconductoring services and Hazard Mitigation (“Services”) to PEC relating to April 2017 Severe Winter Storm, Snowstorm, Straight-Line Winds, and Flooding, DR-4319. Contractor will work under the direction of PEC. Services will be based on the requirements below and the general terms and conditions set forth in a Master Services Agreement (“Agreement”) in the form substantially similar to the one found in Exhibit A to this RFP.

II. General Requirements

- A. Services may include, but are not be limited to, damage assessment, facility restoration and assistance with federal and state reporting.
- B. Services shall include Contractor’s provision of all labor, supervision, transportation, tools, equipment, communications, provisions, and other services and supplies necessary for, or incidental to, the performance of such Services pursuant to the Agreement.
- C. Any and all Services provided by Contractor must comply fully with all applicable federal, state and local laws, regulations and guidelines, as described in the Agreement.
- D. Return bid sheets, bid bond and your company information no later than 10:00 am CST December 2, 2019. Unit prices must be submitted for every unit listed in the excel spread sheet. Bids will be accepted via email or hard copy. Emails submittals should be sent to mhaney@pioneerelectric.coop Hard copies shall be sent to; Pioneer Electric Cooperative ATTN. Storm restoration 1850 west Oklahoma Ave. Ulysses, KS 67880.
- E. Contractor's Designated Representative shall be physically present at PEC’s Headquarters within 10 days after notification of award by PEC. Commencement of work shall begin on or before January 2, 2020 and shall be completed by December 31, 2021.
- F. Any Agreement(s) issued pursuant to this RFP will be based on unit prices.
- G. PEC reserves the right to enter into multiple Agreements as a result of this RFP. It will be PEC’s intent to select one contractor from this RFP. A minimum monthly goal should be total project in miles divided by twenty-four (24) months. Should Contractor not meet monthly minimum construction goals for two consecutive months, PEC reserves the right to enter into multiple agreements. Additional agreement may be at different unit costs.

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III. Federal Compliance Regulations

PEC hereby notifies all proposers that the work covered by this RFP and any resulting Agreement may be funded via Federal grant, including, but not limited to, those issued through the Federal Emergency Management Agency's ("FEMA") Public Assistance Program following federally declared disaster or emergency events. As such, prospective contractors will be required to comply with all applicable Federal, laws, regulations, executive orders, and FEMA or other Federal agency requirements for the type work being performed. All proposers should carefully review the Agreement found in Exhibit A to this RFP for more information on the required minimum clauses as these are non-negotiable.

IV. Scope of Work - Work to be Completed Reconductoring and Hazard Mitigation Project

- A. The Services of the project include a total of approximately 230 miles that shall include facility restoration activities including, but not limited to, the following types of tasks:

Approximately 159 miles of single phase overhead power line reconductor/respan that will include retiring of existing #4 ACSR as well as poles and hardware. These projects will be rebuilt with new poles and #2 T2 ACSR conductor

Approximately 14 miles of single phase overhead power line reconductor that will include replacing existing #1/0 ACSR conductor with #2 T2 ACSR conductor

Approximately 19 miles of three phase overhead power line reconductor/respan that will include retiring of existing #4 ACSR as well as poles and hardware. These projects will be rebuilt with new poles and #2 T2 ACSR conductor

Approximately 39 miles of three phase overhead power line reconductor that will include replacing existing #1/0 ACSR conductor with #2 T2 ACSR

Poles that were set during the initial emergency restoration will be re-used and will require Osmoste butt wrap to be installed before they are reset. Any pole with newer than 2016 pole brand or if noted on staking sheet as "Return To Stock" (RTS) will be salvaged, including all associated material, and need to be re-used within the project that it was retired from or returned to PEC's warehouse. All salvaged materials shall be returned and checked into PEC's warehouse. Quantities shown are approximate. Total miles and projects could be reduced or increased with no change to unit cost bids.

Hazard mitigation projects on the above projects to include installing double deadened, storm guyed poles at a rate of 1 per mile as noted on staking sheets, each pole on single phase to have 2

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down guy wire and anchors. On two and three phase lines, each pole to have 4 down guy wires and anchors.

Some projects may be completed as improved projects utilizing different conductor sizes, pole sizes and span lengths.

Additional repair work for lines that are only being re-conducted will include but not be limited to; plumping and re-tamping poles, tightening hardware, replacing damaged hardware, fix pole grounds, tighten guy wire. Line sections that did not qualify for reconductor will also require repair work as listed above and the repair and resagging of conductor.

The projects above will be divided into projects ranging in size from .05 miles to 6 miles.

V. Documentation Management & Support

Contractor shall provide data management and support to PEC during the recovery effort including but not limited to the following:

- A. If required, Contractor shall supply certification placards meeting FEMA requirements and place such placards on its vehicles.
- B. Contractor shall have a system for clearly tracking and documenting all costs associated with work conducted pursuant to this RFP and resulting Agreement, identifying expenditures and maintaining documentation of the recovery process.

Contractor must maintain all records pertaining to work performed pursuant to this RFP consistent with the requirements set forth in the Agreement.

VI. Staff & Equipment Requirements

Contractor shall ensure that its work force, including subcontractors, maintains self-sufficiency related to fuel, vehicle repair/maintenance, housing, sanitation, food and related accommodations in a manner that is consistent with local requirements and minimizing adverse effects on the community.

VII. Reporting

Contractor shall submit weekly written reports to PEC documenting the progress of project. These reports shall include, but are not limited to, the following:

- A. Progress Reports – Contractor shall provide reports to PEC to detail the progress of power restoration operations. Such reports shall include:
 1. Contractor's Name;

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2. Report Date;
3. Location of Completed Work to include work order number;
4. A description of areas where work was done, and a general overview of the work completed (including a breakdown of value by unit or time/materials/equipment, as applicable);
5. The number of trucks, other equipment and personnel utilized that day; and
6. Other operational and complaint tracking information as requested by PEC.

The format of the reports shall be provided by PEC.

VIII. Other Operational Considerations

- A. Contractor may work seven (7) days per week including holidays and shall work through to project completion. No outages shall be allowed on Sunday or Holidays.
- B. It will be understood that it is necessary for all work to be performed energized to keep outages to a minimum for the least amount of impact to PEC's customers. Any outages must have a two-day notice given to PEC. All outages must be PEC approved. PEC reserves the right to deny allowance of all outages.
- C. Lesser Prairie habitat exist in the PEC service territory. Contractor will need to be familiar with the Western Association of Fish & Wildlife Agencies (WAFWA) Lesser Prairie Chicken Range Wide Conservation Plan and must follow all guidelines and operational requirements.
- D. All new poles will be required to have PEC provided pole number tags installed. Pole tags are part of the pole unit, no additional charge will be allowed.
- E. Prospective Contractor should visit and be familiarized with the project site prior to submitting bids.
- F. All materials for construction provided under the Agreement shall be furnished by PEC.
- G. Contractor must follow American Public Power Association Safety Manual.
- H. PEC is not the safety officer for the contractor.
- I. Contractor must be able to be familiarized with PEC's construction standards.
- J. Each contract crew will only be able to have material for one job at a time. Material Vendor Warehouse will only be open Monday through Friday.
- K. Contractor will be responsible to note, on the staking to be turned in at the completion of each job, the correct pole tag number for each pole installed.
- L. Contractor will be monitored daily by an Inspector that will not have any affiliation to Contractor. Each project will also be inspected when each project is completed.
- M. Contractor must be familiar or be able to be familiarized with RUS construction units and standards.

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- N. Contractor Superintendent and foreman will be required to meet with PEC project managers and coordinators at PEC offices in Ulysses, KS, within ten (10) days of acceptance of the contract. Contractor shall be prepared to discuss manpower, planning and scheduling for the completion of the contract at this meeting.
- O. Clean up of restoration site as directed by PEC; removal of damaged facilities (broken poles, damaged conductors, damaged hardware etc.). Contractor should immediately report transformer oil spills or other environmental concerns to PEC.
- P. Contractor shall be responsible for having all foreign facilities such as rural water lines, underground telephone, fiber optic cables, cable TV, gas pipelines, underground electrical and any other facilities that may be within the area or construction located prior to doing any work. Contractor shall be required to contact "Kansas-One Call: to arrange for the locating of foreign utilities a minimum of 48 hours in advance of the start of construction. Contact "Kansas-One Call" at 800/344-7233 or DIAL 811. Attention: Not all utilities are member of "Kansas-One Call". The contractor shall be responsible for all costs charged by others for location of and repair of the foreign facilities.
- Q. Contractor is required to salvage existing transformers, reclosers, capacitors, meters, all line conductor, and other equipment units (both PEC owned and customer-owned), from the area as noted on sheet, and bring back to warehouse and sorted as directed by PEC.
- R. When working on the traveled portion or shoulder of any public road, the Contractor shall conform to all State or County Requirements. The Contractor shall post warning signs in all directions of traffic flow, and at no time is traffic to be blocked for more than 10 minutes, during which time the Contractor shall furnish an employee to direct traffic. Contractor employees shall wear high visibility shirts or vests when working.
- S. A copy of Commercial General Liability Insurance Policy shall be submitted with Bid Proposal.
- T. Contractor will be required to submit a copy of Commercial General Liability Insurance with PEC as additional insured before work begins.
- U. Vendor will be required to have or obtain: liability insurance covering operations of not less than \$5 million each occurrence, property damage not less than 5 million each occurrence, and \$5 million aggregate for accidents, liability auto insurance covering \$5 million per person, \$5 million each occurrence, and \$5 million property damage each occurrence
- V. In some cases, the landowner may request the retired poles. The Contractor must coordinate with landowner for retired pole disposal. It is required that the Contractor furnish PEC with a pole release form signed by the landowner(s). Release forms will be supplied by the PEC. No retired poles requested by the landowner shall be left along the distribution line for pickup. All other poles will be disposed of at a PEC approved landfill, with accompanying receipts and documentation.
- W. Invoices for completed jobs which has passed inspection will be processed within 20 days of receipt, unless additional time is needed to obtain all necessary information required.
- X. Time is of the essence for the completion of the work described in this contract. It is anticipated by the parties that all work described herein will be completed before December 31, 2021, and

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that any delay in the completion of the work described herein shall constitute a material breach of this contract.

IX. Bonding

If at any time Services being performed are deemed to include construction or facility improvement projects or subcontracts exceeding the Simplified Acquisition Threshold as defined by 48 C.F.R. Subpart 2.1 (currently defined as \$150,000), or if for any other reason PEC determines it necessary, PEC reserves the right to require the following:

- A. A bid guarantee from each Bidder equivalent to five percent (5%) of the bid price. The “bid guarantee” must consist of a firm commitment, such as a bid bond, certified check, or other negotiable instrument accompanying the bid as assurance that the bidder will, upon acceptance of the bid, execute such contractual documents as may be required within the time specified.
- B. A performance bond on the part of the Contractor for one hundred percent (100%) of the contract price. A “performance bond” is one executed in connection with a contract to secure the fulfillment of all the contractor’s obligations under such contract.
- C. A payment bond on the part of the Contractor for one hundred percent (100%) of the contract price. A “payment bond” is one executed in connection with a contract to assure payment as required by law of all persons supplying labor and material in the execution of the work provided for in the contract.

X. Preparation of Proposals

A. *Qualifications*

Proposals must consist of the following information in the order indicated below:

- i. Cover letter stating the proposer’s interest in the project with signature of authorized representative.
- ii. Evidence of any and all relevant licenses and bonding.
- iii. List of at least three professional references from which PEC may determine Contractor’s record of past performance.
- iv. Disclosure of any actual or alleged safety violations in the last five (5) years to include DART Rate and OSHA 300 Log.

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- v. Description of Contractor's technical resources, including explanation of overall project approach and a listing of equipment and employees.
- vi. Description of Contractor's financial stability, including an audited financial statement and disclosure of pending claims and litigation.
- vii. History of Contractor's debarment or suspension from Federal contracting, including certification that Contractor is not currently debarred or suspended.
- viii. A copy of Commercial General Liability Insurance Policy shall be submitted with Bid Proposal.
- ix. Status as a small or minority-owned business, women's business enterprise, or labor surplus area firm.
- x. Use of equipment or provision of services that conserve natural resources and protect the environment and are energy efficient.
- xi. Operational plan to include the use of sub-contractors. All sub-contractors must be PEC approved prior to sub-contractor start of work.

B. Price Proposal

Contractor shall complete the Price Proposal Form (bid sheet) provided with this RFP and include any additional information to provide a complete, all-inclusive price proposal for all services to be provided as outlined in this RFP, including supplying all equipment, tools and labor necessary to perform the Services. The documentation and recovery process, including plan development, mobilization, demobilization, record keeping and quality control, shall be included in the prices.

Contractor will be given detailed work orders locating the damaged facilities. A map is provided showing the areas that the damages have occurred.

Cost-plus-a-percentage-of-cost pricing is not permitted and any bid sheets containing such pricing will be rejected.

PEC is requesting pricing based on "typical" crews and Contractor should therefore include information in its response to this RFP regarding the composition of what it considers to be a typical power restoration crew, including anticipated equipment to be used by such crew.

XI. Acceptance or Rejection of Proposals

Proposals will be accepted from contractors whose proposals are responsive to the RFP and most advantageous to PEC, price, quality, and other factors considered. PEC reserves the right, at its sole discretion, to reject any and all proposals or to cancel this RFP entirely if determined to be in the best

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interest of PEC. PEC reserves the right, at its sole discretion, to waive any technicality in proposals provided such action is in the best interest of PEC.

All proposals will be subject to a review and evaluation process. All proposers responding to this RFP, who meet the requirements, shall be ranked in accordance with the criteria established in these documents. PEC will consider all responsive and responsible proposals received in its evaluation process. PEC will consider the following evaluation criteria, in order of importance:

- Contractor is appropriately licensed and bonded.
- Contractor has an acceptable record of past performance.
- Contractor has adequate financial and technical resources including consideration of:
 - The ability, capability and skill of the proposer to perform the contract;
 - The quality, availability and adaptability of the supplies or contractual services to the particular use required;
 - The ability of the proposer to provide future service for the use of the subject of the contract; and
 - Whether the proposer can perform the contract within the time specified, without delay or interference.
- Price proposal.
- Contractor has a satisfactory record of integrity and business ethics.
- Contractor is not currently and has not been previously suspended or debarred from Federal contracting; or, has an acceptable explanation for any previous suspension or debarment.
- Contractor is adequately insured.
- Contractor has met applicable bonding requirements.
- Whether Contractor is a small or minority-owned business, a women's business enterprise, or a labor surplus area firm.
- Use of equipment and services that conserve natural resources and protect the environment and are energy efficient are preferred.
- Responsiveness of the proposal.
- The previous and existing compliance by the proposer with laws and ordinances relating to the contract.
- The number and scope of conditions attached to the bid or proposal.
- Responsiveness of client references.

XII. Small & Minority Businesses, Women's Business Enterprises, and Labor Surplus Area Firms

All Contractors must work to ensure fairness in bidding and sub-contracting procedures with small and minority businesses, women's business enterprises, and labor surplus area firms. PEC will potentially use

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federal funding for some or all of the work covered by this RFP; therefore, if Contractor intends to subcontract any portion of the Services covered by this RFP and the resulting Agreement, Contractor must take all necessary affirmative steps to assure that small and minority businesses, women's business enterprises, and labor surplus area firms are solicited and used when possible. Affirmative steps must include:

- i. placing qualified small and minority businesses and women's business enterprises on solicitation lists;
- ii. assuring that small and minority businesses, and women's business enterprises are solicited whenever they are potential sources;
- iii. dividing total requirements, when economically feasible, into smaller tasks or quantities to permit maximum participation by small and minority businesses, and women's business enterprises;
- iv. establishing delivery schedules, where the requirement permits, which encourage participation by small and minority businesses, and women's business enterprises; and
- v. using the services and assistance, as appropriate, of such organizations as the Small Business Administration and the Minority Business Development Agency of the Department of Commerce.

XIII. Term

The term of this Agreement shall begin on the Effective Date of this Agreement and shall expire and terminate 2 years after such date or when the Services are complete and final payment has been made and accepted.

XIV. Miscellaneous

- A. Any contractor that participated in developing or drafting this RFP is excluded from competing for any contract under this RFP.
- B. By submitting a response to the RFP, the proposer certifies that its Proposal has not been arrived at collusively or otherwise in violation of federal, state, or local laws. Any contract or Agreement from which any agent, officer, or employee of PEC or any relative thereof, will realize a financial gain, directly or indirectly, shall be subject to termination by PEC consistent with its policies for review of such matters.
- C. Small and minority-owned businesses, women's business enterprises, and labor surplus area firms are encouraged to respond to this RFP.
- D. The contents of this RFP are incorporated into the Agreement. Where a conflict exists, the Agreement prevails.
- E. Contractor shall supervise and direct the work, using skillful labor and proper equipment for all tasks. Safety of Contractor's personnel and equipment is the responsibility of Contractor.

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- F. Contractor shall pay for all materials, personnel, taxes, and fees necessary to perform under the terms of the Agreement.
- G. Contractor must be duly licensed in accordance with the state and local statutory requirements to perform the work. Contractor shall obtain all permits necessary to complete the Services requested by this RFP and as covered by the resulting Agreement. Contractor shall be responsible for determining what permits are necessary. Copies of all permits shall be submitted to PEC for inspection.
- H. Contractor shall be responsible for removing all equipment from any public or private property. Contractor is not permitted to store equipment or trucks on any public or private property without express permission of the owner.
- I. Contractor will ensure all necessary materials for job are provided by material vendor as noted on material list. Any additional material needed, other than for material changes that are agreed upon by PEC and Field Designer, must be purchased from Vendor at Contractor's expense.

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Price Proposal

Work Order 20175097

Assembly Unit	Assembly Unit Description	Transaction Type	Quantity	Unit Cost	Extended Cost
A 5-2	1 PH TAP OFF C1, B1	Construction	1		
C 1- 2-10	3PH 10' XARM CONST.	Construction	3		
C 1- 2RP	3PH 8' XARM CONST RAPTOR PROOF	Construction	20		
C 7A-HD8	8' D.E. H.D. HUGHES BRO CONST	Construction	2		
C 7X	3PH XARM EXISTING	Construction	1		
C 7XFG	3PH FG-XARM EXISTING	Construction	1		
D40-3	DIST. 40 FT. CLASS 3 POLE	Construction	5		
D40-4	DIST. 40 FT. CLASS 4 POLE	Construction	20		
E 2-3	SNGL.O.H.GUY THRU.BOLT TYPE	Construction	1		
E 9-3	SINGLE DOWN GUY W/4WAY POLE BD	Construction	4		
E 9-3M	SINGLE DOWN GUY W/POLE BAND CONN LINK	Construction	2		
F1-5TF	PISA ANCHOR TWIN FLITE	Construction	4		
F1-5TRF	TRIPLE HELIX 10-12-14 ANCHOR	Construction	2		
G311CX	3PH TRANS. BANK 240/480 EXISTING CLSTR	Construction	2		
HC1-2-A1M	C1-2 MINUS A1 W/10'XARM	Construction	1		
M 2-11#4	DRIVEN GROUND W/#4 WIRE	Construction	5		
M 2-12#4	GROUND W/BUTT PLATE W/#4 WIRE	Construction	20		
M 5- 1	HOTLINE CLAMP	Construction	3		
M 5- 2	POLE TOP PIN W/INSULATOR	Construction	2		
M 5- 9STR	CUTOUT S&C W/STIRRUP LINE FUSE	Construction	1		
M 8- 6-17	480 100A 3PH METER LOOP FM12	Construction	2		
PRI10T2	1/0 T2 CONDUCTOR	Construction	21,416		
				Install Total	

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A 5-2	1 PH TAP OFF C1, B1	Retirement	1		
C 1	3PH 8'XARM CONST PRIM SUPPORT	Retirement	8		
C 1-10	C1-3PH 10' XARM	Retirement	3		
D35-3	DIST. 35 FT. CLASS 3 POLE	Retirement	2		
D35-4	DIST. 35 FT. CLASS 4 POLE	Retirement	15		
D40-3	DIST. 40 FT. CLASS 3 POLE	Retirement	1		
E 2-2	SNGL.O.H. GUY THRU.BOLT TYPE	Retirement	1		
G311CX	3PH TRANS. BANK 240/480 EXISTING CLSTR	Retirement	2		
HC1-A1M	C1 MINUS A1 W10 FT ARM	Retirement	8		
M 2-11	DRIVEN GROUND	Retirement	3		
M 2-12	GROUND W/BUTT PLATE	Retirement	9		
M 5- 1	HOTLINE CLAMP	Retirement	1		
M 5- 6-3PH	3 PHASE ARRESTER BRACKET ASSEMBLY	Retirement	1		
M 5- 9	CUTOUT S&C X-ARM MOUNT LINE FUSE	Retirement	1		
M 8- 6-15	480 100A 3PH METER LOOP FM12	Retirement	2		
PRI1061	1/0 6/1 ACSR	Retirement	21,384		
				Retire Total	

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Work Order 20175140

Assembly Unit	Assembly Unit Description	Transaction Type	Quantity	Unit Cost	Extended Cost
C 7X	3PH XARM EXISTING	Construction	2		
M 5- 1	HOTLINE CLAMP	Construction	3		
PRI02T2	#2 T2 CONDUCTOR	Construction	19,976		
				Install Total	

C 7X	3PH XARM EXISTING	Retirement	2		
M 5- 1	HOTLINE CLAMP	Retirement	3		
PRI0271	#2 7/1 ACSR	Retirement	4,994		
PRI1061	1/0 6/1 ACSR	Retirement	14,982		
				Retire Total	

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**Work Order
 20175351**

Assembly Unit	Assembly Unit Description	Transaction Type	Quantity	Unit Cost	Extended Cost
A 1	1 PH. SINGLE PRIMARY SUPPORT	Construction	42		
A 5	1 PH DEADEND	Construction	1		
A 5-1	1 PH PRIMARY PHASE TAP	Construction	1		
D35-3	DIST. 35 FT. CLASS 3 POLE	Construction	2		
D35-4	DIST. 35 FT. CLASS 4 POLE	Construction	41		
E 1-3	SNGL. DOWN GUY THRU.BOLT TYPE	Construction	3		
F1-3S	15000# SCREW ANCHOR	Construction	3		
G 10	1PH TRANS ON D E ASSY.& CUTOUT	Construction	1		
M 2-11	DRIVEN GROUND	Construction	8		
M 2-12	GROUND W/BUTT PLATE	Construction	35		
M 5- 1	HOTLINE CLAMP	Construction	1		
M 5- 6	LIGHTNING ARRESTER W/GRND	Construction	2		
M 8-10-200A-15	120/240 200A 1PH DOWN LOOP FM2	Construction	1		
M52-3	POLE IDENT. LETTERS & NUMBERS	Construction	1		
PRI02T2	#2 T2 CONDUCTOR	Construction	20,834		
				Install Total	

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A 1	1 PH. SINGLE PRIMARY SUPPORT	Retirement	11		
A 5	1 PH DEADEND	Retirement	1		
A 5-1	1 PH PRIMARY PHASE TAP	Retirement	1		
D30-4X	30' USED POLE	Retirement	5		
D35-3	DIST. 35 FT. CLASS 3 POLE	Retirement	2		
D35-4	DIST. 35 FT. CLASS 4 POLE	Retirement	24		
D35-4X	35 FT USED POLE	Retirement	2		
E 1-2	SNGL. DOWN GUY THRU.BOLT TYPE	Retirement	1		
E 1-3	SNGL. DOWN GUY THRU.BOLT TYPE	Retirement	2		
F1-2	12000# ANCHOR	Retirement	1		
F1-3S	15000# SCREW ANCHOR	Retirement	2		
G 10	1PH TRANS ON D E ASSY.& CUTOUT	Retirement	1		
M 2-11	DRIVEN GROUND	Retirement	2		
M 2-12	GROUND W/BUTT PLATE	Retirement	11		
M 5- 1	HOTLINE CLAMP	Retirement	2		
M 5- 6	LIGHTNING ARRESTER W/GRND	Retirement	1		
M 8-10-200A-15	120/240 200A 1PH DOWN LOOP FM2	Retirement	1		
PRI0471	4 7/1 ACSR	Retirement	20,814		
				Retire Total	

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Work Order 20175435

Assembly Unit	Assembly Unit Description	Transaction Type	Quantity	Unit Price	Extended Cost
A 5-2	1 PH TAP OFF C1, B1	Construction	1		
C 1-10	C1-3PH 10' XARM	Construction	7		
C 1RP	3PH 8' XARM RAPTOR PROOF	Construction	8		
C 7A-FG-8	8' D.E. H.D.FIBERGLASS ARM	Construction	1		
C 7X	3PH XARM EXISTING	Construction	1		
C 7XFG	3PH FG-XARM EXISTING	Construction	1		
D40-3	DIST. 40 FT. CLASS 3 POLE	Construction	4		
D40-4	DIST. 40 FT. CLASS 4 POLE	Construction	13		
E 1-3	SNGL. DOWN GUY THRU.BOLT TYPE	Construction	4		
E 1-3M	SINGLE DOWN GUY W/FLANGE CONNECTOR LINK	Construction	1		
F1-3S	15000# SCREW ANCHOR	Construction	3		
G 9	1PH TRANS. ON A1(REQ. CUTOUT)	Construction	1		
K15C	SWINGING K-11 OFF UPSET	Construction	1		
M 2-11	DRIVEN GROUND	Construction	3		
M 2-12	GROUND W/BUTT PLATE	Construction	14		
M 3-25AN/10XARM	3PH OCR'S (U.A.SW'S-10'XARMS) & UPSET	Construction	1		
M 5- 1	HOTLINE CLAMP	Construction	6		
M 5- 2	POLE TOP PIN W/INSULATOR	Construction	1		
M 5- 9	CUTOUT S&C X-ARM MOUNT LINE FUSE	Construction	1		
M 5TRF SEC.	SECONDARY WIRE DOWN/UP ALL SIZES	Construction	1		
PRI02T2	#2 T2 CONDUCTOR	Construction	18,504		
				Install Total	

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A 5-2	1 PH TAP OFF C1, B1	Retirement	1		
C 1	3PH 8'XARM CONST PRIM SUPPORT	Retirement	7		
C 1-10	C1-3PH 10' XARM	Retirement	2		
C 7X	3PH XARM EXISTING	Retirement	1		
C 8A- 8	C8 W/HUGHES BROTHERS 8' ARMS	Retirement	1		
D35-2	DIST.35 FT. CLASS 2 POLE	Retirement	1		
D35-3	DIST. 35 FT. CLASS 3 POLE	Retirement	2		
D35-4	DIST. 35 FT. CLASS 4 POLE	Retirement	2		
D35-4X	35 FT USED POLE	Retirement	5		
D40-3	DIST. 40 FT. CLASS 3 POLE	Retirement	2		
D40-4	DIST. 40 FT. CLASS 4 POLE	Retirement	1		
D40-4X	40 FT USED POLE	Retirement	1		
E 1-2	SNGL. DOWN GUY THRU.BOLT TYPE	Retirement	1		
E 1-3	SNGL. DOWN GUY THRU.BOLT TYPE	Retirement	2		
F1-3S	15000# SCREW ANCHOR	Retirement	1		
G 9X	1PH TRANS. ON A1 SPRING FORK	Retirement	1		
HC1-A1FR	1PH. TO 3 PH 8'X-ARM CONST.FRAMED ARM	Retirement	1		
HC1-A1MFR	C1 MINUS A1 W/10 FT ARM FRAMED ARM	Retirement	2		
K15C	SWINGING K-11 OFF UPSET	Retirement	1		
M 2-11	DRIVEN GROUND	Retirement	4		
M 2-12	GROUND W/BUTT PLATE	Retirement	10		
M 3-25AN	3PH OCR'S (U.A.SW'S-8'XARMS) & UPSET	Retirement	1		
M 5- 1	HOTLINE CLAMP	Retirement	6		
M 5- 2	POLE TOP PIN W/INSULATOR	Retirement	1		
M 5- 6-3PH	3 PHASE ARRESTER BRACKET ASSEMBLY	Retirement	1		
M 5- 9	CUTOUT S&C X-ARM MOUNT LINE FUSE	Retirement	1		
PRI0471	4 7/1 ACSR	Retirement	18,052		
				Retire Total	

Power Restoration Services - Reconductoring and Hazard Mitigation Project

Work Order 20175810

Assembly Unit	Assembly Unit Description	Transaction Type	Quantity	Unit Cost	Extended Cost
M 5PBF	PLUMB AND BACKFILL POLE	Construction	1		
M 5THW 1-PH	TIGHTEN HARDWARE SINGLE PHASE STRUCTURE	Construction	23		
PRI02T2	#2 T2 CONDUCTOR	Construction	10,888		
				Install Total	

PRI1061	1/0 6/1 ACSR	Retirement	10,872		
				Retire Total	

Power Restoration Services - Reconductoring and Hazard Mitigation Project

Project Summary

	Install	Retire	Total
WO 20175097			
WO 20175140			
WO 20175351			
WO 20175435			
WO 20175810			
Total Cost			

Power Restoration Services - Reconductoring and Hazard Mitigation Project

Install Unit Prices

INSTALL UNITS UNIT NO

Wire	UNIT DESCRIPTION	UNIT COST	
PRI0261	#2 6/1 ACSR		Per Foot
PRI0271	#2 7/1 ACSR		Per Foot
PRI02T2	#2 T2 CONDUCTOR		Per Foot
PRI0461	4 6/1 ACSR		Per Foot
PRI0471	4 7/1 ACSR		Per Foot
PRI1061	1/0 6/1 ACSR		Per Foot
PRI10T2	1/0 T2 CONDUCTOR		Per Foot
PRI2061	2/0 6/1 ACSR		Per Foot
PRI477	477 Hawk ACSR		Per Foot
PRI0230	2-3 STND COPPER		Per Foot
PRI4061	4/0 6/1 ACSR		Per Foot
PRI40T2	4/0 T2 CONDUCTOR		Per Foot
SEC1040	1/0 QUAD		Per Foot
SEC1030	1/0 TRIPLEX		Per Foot
SEC2030	2/0 TRIPLEX		Per Foot
SEC2040	2/0 QUAD		Per Foot
SEC0240	#2 QUAD		Per Foot
SEC0230	#2 6/1 TRIPLEX		Per Foot
SEC0461	#4 6/1 ACSR OHSEC		Per Foot
SEC0471	#4 7/1 ACSR OHSEC		Per Foot
SEC4040	4/0 QUAD		Per Foot
SEC4030	4/0 TRIPLEX		Per Foot
SEC0620	6 DUPLEX		Per Foot
SEC0630	6 TRIPLEX		Per Foot
Poles	UNIT DESCRIPTION		
35-2 (D35-2)	DIST. 35 FT. CLASS 2 POLE		
35-3 (D35-3)	DIST. 35 FT. CLASS 3 POLE		
35-4 (D35-4)	DIST. 35 FT. CLASS 4 POLE		
40-2 (D40-2)	DIST. 40 FT. CLASS 2 POLE		
40-3 (D40-3)	DIST. 40 FT. CLASS 3 POLE		
40-4 (D40-4)	DIST. 40 FT. CLASS 4 POLE		

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45-2 (D45-2)	DIST. 45 FT. CLASS 2 POLE	
45-3 (D45-3)	DIST. 45 FT. CLASS 3 POLE	
45-4 (D45-4)	DIST. 45 FT. CLASS 4 POLE	
50-2 (D50-2)	DIST. 50 FT. CLASS 2 POLE	
50-3 (D50-3)	DIST. 50 FT. CLASS 3 POLE	
55-2 (D55-2)	DIST. 55 FT. CLASS 2 POLE	
Single Phase	UNIT DESCRIPTION	
A1 (A1-RP)	1 PH. SINGLE PRIMARY SUPPORT	
A1-1 (A1-1RP)	See RUS Specifications	
A1A	See RUS Specifications	
A1-1A	See RUS Specifications	
A1A	See RUS Specifications	
A2	See RUS Specifications	
A22	See RUS Specifications	
A3 (A3-RP)	See RUS Specifications	
A4 (A4-RP)	See RUS Specifications	
A5 (A5-RP)	1 PH DEADEND	
A5-1 (A5-1RP)	1 PH PRIMARY PHASE TAP	
A5-2 (A5-2RP)	1 PH TAP OFF C1, B1	
A5-2A (A5-2ARP)	See RUS Specifications	
A5-3	See RUS Specifications	
A5-4 (A5-4RP)	See RUS Specifications	
A6 (A6-RP)	See RUS Specifications	
A7A	See RUS Specifications	
A7X	See RUS Specifications	
A8A	See RUS Specifications	
A9	See RUS Specifications	
A9-1	See RUS Specifications	
Three Phase	UNIT DESCRIPTION	
C1	See RUS Specifications	
C1A	See RUS Specifications	
C1-RP	3PH 8' XARM RAPTOR PROOF	
C1-8 FRAMED	See RUS Specifications	
C1RP-FRAMED	See RUS Specifications	

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C1RPM-FRAMED 10'	See RUS Specifications	
C1-1	See RUS Specifications	
C1PL	See RUS Specifications	
C1-1PL	See RUS Specifications	
C1-10	C1-3PH 10' XARM	
C1-1-10	See RUS Specifications	
C1-1A	See RUS Specifications	
C1-2	See RUS Specifications	
C1-2RP	3PH 8' XARM CONST RAPTOR PROOF	
C1-2-10	3PH 10' XARM CONST.	
C1-2-8FRAMED	See RUS Specifications	
C1-2-10FRAMED	See RUS Specifications	
C1-3 (C1-3RP)	See RUS Specifications	
C1-3P-10	See RUS Specifications	
C1-3-10	See RUS Specifications	
C1-4	See RUS Specifications	
C2	See RUS Specifications	
C2-1	See RUS Specifications	
C2-10	See RUS Specifications	
C2-2PL	See RUS Specifications	
C22 (C22-10)	See RUS Specifications	
C2-2	See RUS Specifications	
C24 (C24-10)	See RUS Specifications	
C3	See RUS Specifications	
C3-1	See RUS Specifications	
C4-1	See RUS Specifications	
C5-1	See RUS Specifications	
C5-3	See RUS Specifications	
C7A (C7A-10)	See RUS Specifications	
C7A-HD8 (C7A-HD10)	D.E. H.D. HUGHES BRO CONST	
C 7A-FG-8	8' D.E. H.D.FIBERGLASS ARM	
C7X	3PH XARM EXISTING	
C7XFG	3PH FG-XARM EXISTING	
C8A-8	See RUS Specifications	
C8A-10	See RUS Specifications	
C8AHB-HD (C8AHB-HD10)	See RUS Specifications	
C 8A-FG-8	C8 D.E. W/FIBERGLASS 8' ARM	
C9	See RUS Specifications	
C9-1	See RUS Specifications	
C9-2	See RUS Specifications	
C9-2N (Lower neutral)	See RUS Specifications	
C9-3	See RUS Specifications	

Power Restoration Services - Reconductoring and Hazard Mitigation Project

C9M (Lower neutral)	See RUS Specifications	
Guys and Anchors	UNIT DESCRIPTION	
E1-3 (INCLUDES E3-10)	SNGL. DOWN GUY THRU.BOLT TYPE	
E 1-3M (INCLUDES E3-10)	SINGLE DOWN GUY OFF OF FIBER GLASS DE-ARM	
E2-3	SNGL.O.H.GUY THRU.BOLT TYPE	
E 2-3M	SNGL.O.H.GUY OFF FIBER GLASS DE - ARM	
E3-10 (Reflector)	See RUS Specifications	
E3-11 (Cattle spikes)	See RUS Specifications	
E3-3 (INCLUDES E3-10)	See RUS Specifications	
E4-3	See RUS Specifications	
E5-1	See RUS Specifications	
E5-2	See RUS Specifications	
E5-3	See RUS Specifications	
E9-3 (Pole band) (INCLUDES E3-10)	SINGLE DOWN GUY W/4WAY POLE BD	
E9-3M (Add guy to ex. Band) (E3-10)	SINGLE DOWN GUY W/POLE BAND CONN LINK	
F1-3S	15000# SCREW ANCHOR	
F1-5TF5 (TWIN)	PISA ANCHOR TWIN FLITE	
F1-5TRFS (TRIPLE)	TRIPLE HELIX 10-12-14 ANCHOR	
Transformers	UNIT DESCRIPTION	
G210, G211, G212(5-37.5 KVA)	See RUS Specifications	
G310,G311,G312(5-37.5 KVA)	See RUS Specifications	
G310,G311,G312(50 KVA & up)	See RUS Specifications	
P310-311-312 (All Platforms)	See RUS Specifications	
G310CX, G311CX, G312CX	3PH TRANS. BANK EXISTING CLSTR	
G10 (5-37.5 KVA (Combination Unit)	1PH TRANS ON D E ASSY.& CUTOUT	
G9 (5-37.5 KVA)(Combination Unit)	1PH TRANS. ON A1(REQ. CUTOUT)	
G39-(5-37.5KVA)(Combination Unit)	See RUS Specifications	
Misc. Units	UNIT DESCRIPTION	
HC1-2-10-A1	C1-2 MINUS A1 W/10'XARM	

Power Restoration Services - Reconductoring and Hazard Mitigation Project

HC1-2-A1	C1-2 MINUS A1 W/8'X-ARM	
HC1-2-A1M	C1-2 MINUS A1 W/10'XARM	
HC1-2RP-A1	C1-2RP MINUS A1 W/8'X-ARM	
HC1-A1	1PH. TO 3 PH 8'X-ARM CONST.	
HC1RP-A1	1PH. TO 3 PH 8'X-ARM CONST.	
HC1-A1FR	1PH. TO 3 PH 8'X-ARM CONST.FRAMED ARM	
HC1-A1M	C1 MINUS A1 W/10 FT ARM	
HC1-A1MFR	C1 MINUS A1 W/10 FT ARM FRAMED ARM	
HC7A-A7A	1PH. D.E. TO 3PH. D.E.	
J & K UNITS		
J10	See RUS Specifications	
K11	See RUS Specifications	
K11M	{Off the back existing bolt}	
K15C-4FT (K15C)	SWINGING K-11 OFF UPSET 4 FT EXTENSION LINK	
Grounds		
M2-11(M2-11#4)	DRIVEN GROUND W/#4 WIRE	
M2-12 (M2-12#4)	GROUND W/BUTT PLATE W/#4 WIRE	
M2-9	SHORT GROUND/REPAIR GROUND	
Switches and OCRS	UNIT DESCRIPTION	
M3-10 (1-Phase OCR no sw.)	See RUS Specifications	
M3-15 - M2-15M (Air Switch)	See RUS Specifications	
M3-23A (OCR w/Cutout)	See RUS Specifications	
M3-24A	See RUS Specifications	
M3-25	See RUS Specifications	
M3-25A (M3-25A-10)	See RUS Specifications	
M3-25AN (M3-25A-10)	M3-25A WITH NEUTRAL FEEDING THROUGH	
M3RBS (Reg. Bypass)	See RUS Specifications	
M3UAS (Underarm Switch)	See RUS Specifications	
M33-1	See RUS Specifications	
M33-2	See RUS Specifications	
M33-3	See RUS Specifications	
M33-4	See RUS Specifications	
M33-5	See RUS Specifications	
M33-6	See RUS Specifications	

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M33-7	See RUS Specifications	
M33-8	See RUS Specifications	
M3-2A	See RUS Specifications	
M3-3A (M3-3A-10)	See RUS Specifications	
M43-10 {Tap Assembly}	See RUS Specifications	
M5-1	HOTLINE CLAMP	
M5-10 (STR-STND)	See RUS Specifications	
M5-13	See RUS Specifications	
M5-14	See RUS Specifications	
M5-16	See RUS Specifications	
M5-17	See RUS Specifications	
M5-18	See RUS Specifications	
M5-2	POLE TOP PIN W/INSULATOR	
M5-20	See RUS Specifications	
M5-21	See RUS Specifications	
M5-22	See RUS Specifications	
M5-23	See RUS Specifications	
M5-24	See RUS Specifications	
M5-25	See RUS Specifications	
M5-26	See RUS Specifications	
M5-27	See RUS Specifications	
M5-28	See RUS Specifications	
M52-3	POLE IDENT. LETTERS & NUMBERS	
M52-4	See RUS Specifications	
M52-5	See RUS Specifications	
M5-3, M5-4, M5-5	See RUS Specifications	
M5-6	LIGHTNING ARRESTER W/GRND	
M5-6R	See RUS Specifications	
M5-6-2PH	See RUS Specifications	
M5-6-3PH	See RUS Specifications	
M5-8	See RUS Specifications	
M5-9 STR & STND	See RUS Specifications	
M6-6	See RUS Specifications	
POLE KEY	See RUS Specifications	
Regulators	UNIT DESCRIPTION	
M 7-11	1VOLTAGE REG. POLE MOUNTED	
M 7-11-M514	1PH REG.LESS.1 XARM	
M 7-11-M514HD	1PH REG.LESS.1 XARM 1/0-4/0-T2 >	
Meter Loops	UNIT DESCRIPTION	

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M8-9 30 amp (All)	See RUS Specifications	
M8-9 100 amp (All)	See RUS Specifications	
M8-9 200 amp (All)	See RUS Specifications	
M8-10-30A (All)	See RUS Specifications	
M8-10 100 amp(All)	See RUS Specifications	
M8-10 200 amp(All)	120/240 200A 1PH DOWN LOOP FM2	
M8-15	See RUS Specifications	
M8-15M	See RUS Specifications	
M8-6 100 amp(All)	See RUS Specifications	
M8-6 200 amp(All)	See RUS Specifications	
M8-6CT (All)	See RUS Specifications	
M8-10CT (All)	See RUS Specifications	
Capacitors		
M9-11	See RUS Specifications	
M9-13	See RUS Specifications	
URD Units		
UA1	See RUS Specifications	
UA3	See RUS Specifications	
UB1	See RUS Specifications	
UB2	See RUS Specifications	
UB3	See RUS Specifications	
UB4	See RUS Specifications	
UC1	See RUS Specifications	
UC2	See RUS Specifications	
UC3	See RUS Specifications	
UC4	See RUS Specifications	
UC5	See RUS Specifications	
UC6	See RUS Specifications	
UM5	See RUS Specifications	
UM8-2	See RUS Specifications	
UM12	See RUS Specifications	
TRANSFER UNITS/MISC	UNIT DESCRIPTION	
UNIT NO		
M 5WRP	20"X 25'ROLLED POLE WRAP OSMOSE	
M 5PBF	PLUMB AND BACKFILL POLE	
M 5TRF PRI/NEUT 1-PH	PRI. AND NEUT. DOWN/UP ALL WIRES	

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M 5TRF PRI/NEUT 3-PH	PRI. AND NEUT. DOWN/UP ALL WIRES	
M 5PERCH	RAPTOR EAGLE PERCH	
M 5RAPTOR-GUARD	RAPTOR GUARD 16" TRIANGLE	
M 5TRF SEC.	SECONDARY WIRE DOWN/UP ALL SIZES	
M 5SPLICE 1-PH	SPLICE SINGLE PHASE WIRE TO RE-ATTACH	
M 5SPLICE 3-PH	SPLICE THREE PHASE WIRE TO RE-ATTACH	
M 5TRF CAP. BANK	TAKE CAPACITOR BANK DOWN & BACK UP ALL S	
M 5TRF MTRLP	TAKE METER LOOP DOWN & BACK UP ALL TYPES	
M 5TRF 1-PH OCR	TAKE OCR DOWN & BACK UP ALL SIZES	
M 5TRF 3-PH OCR	TAKE OCR'S DOWN & BACK UP ALL SIZES	
M 5TRF 1-REG	TAKE REGULATOR DOWN & BACK UP ALL SIZES	
M 5TRF ROUTER	TAKE ROUTER DOWN & BACK UP	
M 5TRF LIGHT	TAKE SECURITY LITE DOWN & BACK UP	
M 5TRF 1-PH TRANS	TAKE TRANS. DOWN & BACK UP ALL SIZES	
M 5TRF 3-PH TRANS	TAKE TRANS. DOWN & BACK UP ALL SIZES	
M 5TGW	TIGHTEN GUY WIRE	
M 5THW 1-PH	TIGHTEN HARDWARE SINGLE PHASE STRUCTURE	
M 5THW 3-PH	TIGHTEN HARDWARE THREE PHASE STRUCTURE	
M 5TRF E3-11 SPKS	REMOVE AND RE-INSTALL CATTLE SPIKE	
UA1	See RUS Specifications	
UA3	See RUS Specifications	
UB1	See RUS Specifications	
UB2	See RUS Specifications	
UB3	See RUS Specifications	
UB4	See RUS Specifications	
UC1	See RUS Specifications	
UC2	See RUS Specifications	
UC3	See RUS Specifications	
UC4	See RUS Specifications	
UC5	See RUS Specifications	
UC6	See RUS Specifications	
UM5	See RUS Specifications	
UM8-2	See RUS Specifications	
Cable Attachment		

Power Restoration Services - Reconductoring and Hazard Mitigation Project

Telephone Attachment		
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Removal Unit Prices

Removal Units

UNIT NO

Wire	UNIT DESCRIPTION	UNIT COST	
PRI0261	#2 6/1 ACSR		Per Foot
PRI0271	#2 7/1 ACSR		Per Foot
PRI02T2	#2 T2 CONDUCTOR		Per Foot
PRI0461	4 6/1 ACSR		Per Foot
PRI0471	4 7/1 ACSR		Per Foot
PRI1061	1/0 6/1 ACSR		Per Foot
PRI10T2	1/0 T2 CONDUCTOR		Per Foot
PRI2061	2/0 6/1 ACSR		Per Foot
PRI477	477 Hawk ACSR		Per Foot
PRI0230	2-3 STND COPPER		Per Foot
PRI4061	4/0 6/1 ACSR		Per Foot
PRI40T2	4/0 T2 CONDUCTOR		Per Foot
SEC1040	1/0 QUAD		Per Foot
SEC1030	1/0 TRIPLEX		Per Foot
SEC2030	2/0 TRIPLEX		Per Foot
SEC2040	2/0 QUAD		Per Foot
SEC0240	#2 QUAD		Per Foot
SEC0230	#2 6/1 TRIPLEX		Per Foot
SEC0461	#4 6/1 ACSR OHSEC		Per Foot
SEC0471	#4 7/1 ACSR OHSEC		Per Foot
SEC4040	4/0 QUAD		Per Foot
SEC4030	4/0 TRIPLEX		Per Foot
SEC0620	6 DUPLEX		Per Foot
SEC0630	6 TRIPLEX		Per Foot
Poles			
SP 8FT (Stub Pole)	See RUS Specifications		
35-2 (D35-2)	DIST. 35 FT. CLASS 2 POLE		
30-4X (D30-4X)	30' USED POLE		
35-3 (D35-3) (35-3 RTS)	DIST. 35 FT. CLASS 3 POLE		
35-4 (D35-4) (35-4 RTS) (D35-4X)	DIST. 35 FT. CLASS 4 POLE		

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40-2 (40-2) (RTS)	See RUS Specifications	
40-3 (D40-3) {RTS}	DIST. 40 FT. CLASS 3 POLE	
40-4 (D40-4) (D40-4X) {RTS}	DIST. 40 FT. CLASS 4 POLE	
45-2 (D45-2)	See RUS Specifications	
45-3 (D45-3)	See RUS Specifications	
45-4 (D45-4) (D45-4X)	See RUS Specifications	
50-2 (D50-2)	See RUS Specifications	
50-3 (D50-3)	See RUS Specifications	
50-4 (D50-4)	See RUS Specifications	
55-2 (D55-2) (55-1X)	See RUS Specifications	
RTS- Return To Stock	See RUS Specifications	
Single Phase		
A1 (A1-RP)	1 PH. SINGLE PRIMARY SUPPORT	
A1-1 (A1-1RP)	See RUS Specifications	
A2	See RUS Specifications	
A22	See RUS Specifications	
A3 (A3-RP)	See RUS Specifications	
A4 (A4-RP)	See RUS Specifications	
A5 (A5-RP)	1 PH DEADEND	
A5-1 (A5-1RP)	1 PH PRIMARY PHASE TAP	
A5-2 (A5-2RP)	1 PH TAP OFF C1, B1	
A5-2A (A5-2ARP)	See RUS Specifications	
A5-3	See RUS Specifications	
A5-4 (A5-4RP)	See RUS Specifications	
A6 (A6-RP)	See RUS Specifications	
A7	See RUS Specifications	
A7A	See RUS Specifications	
A7-1	See RUS Specifications	
A7X	See RUS Specifications	
A7-4	See RUS Specifications	
A8	See RUS Specifications	
A8A	See RUS Specifications	
A9	See RUS Specifications	
A9-1	See RUS Specifications	
B-Phase		
B1	See RUS Specifications	
B1-1 (B1-1ARP)	See RUS Specifications	
B1-1N (B1-1NRP)	See RUS Specifications	

Power Restoration Services - Reconductoring and Hazard Mitigation Project

B1-N-10	See RUS Specifications	
B1N (B1-NRP)	See RUS Specifications	
B2 (B2-RP)	See RUS Specifications	
B22	See RUS Specifications	
B3	See RUS Specifications	
B4-1(B4-1RP)	See RUS Specifications	
B5-1(B5-1RP)	See RUS Specifications	
B7	See RUS Specifications	
B7A (B7A-NRP)	See RUS Specifications	
B7-1	See RUS Specifications	
B7XN (B7X-NRP)	See RUS Specifications	
B7-1N	See RUS Specifications	
B7-AN	See RUS Specifications	
B7N	See RUS Specifications	
B7X (B7XN)	See RUS Specifications	
B8	See RUS Specifications	
B8-1 (B8-1RP)	See RUS Specifications	
B8AN	See RUS Specifications	
B9 (B9-RP)	See RUS Specifications	
B9-1 (B9-1RP)	See RUS Specifications	
B9-1N (B9-1NRP)	See RUS Specifications	
B9-2 (B9-2RP)	See RUS Specifications	
B9-3 (B9-3RP)	See RUS Specifications	
Three Phase		
C1 (C1RP)	3PH 8'XARM CONST PRIM SUPPORT	
C1-8 FRAMED	See RUS Specifications	
C1-10 FRAMED	See RUS Specifications	
C1RP-FRAMED	See RUS Specifications	
C1RPM-FRAMED 10'	See RUS Specifications	
C1-1 (C1-1RP)	See RUS Specifications	
C1PL	See RUS Specifications	
C1-1PL	See RUS Specifications	
C1-10	C1-3PH 10' XARM	
C1-1-10	See RUS Specifications	
C1-2 (C1-2RP) (C1-2-10)	See RUS Specifications	
C1-2-8FRAMED	See RUS Specifications	
C1-2-10FRAMED	See RUS Specifications	
C1-3 (C1-3RP)	See RUS Specifications	
C1-3P-10	See RUS Specifications	

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C1-3-10	See RUS Specifications	
C1-4	See RUS Specifications	
C2	See RUS Specifications	
C2-1	See RUS Specifications	
C2-10	See RUS Specifications	
C2-2PL	See RUS Specifications	
C22 (C22-10)	See RUS Specifications	
C2-2	See RUS Specifications	
C24 (C24-10)	See RUS Specifications	
C3	See RUS Specifications	
C3-1	See RUS Specifications	
C4	See RUS Specifications	
C4-1	See RUS Specifications	
C5-1	See RUS Specifications	
C5-3	See RUS Specifications	
C7	See RUS Specifications	
C7-1 (C7-1-10)	See RUS Specifications	
C7-2	See RUS Specifications	
C7A (C7A-10)	See RUS Specifications	
C7A-HD8 (C7A-HD10)	See RUS Specifications	
C7X	3PH XARM EXISTING	
C8	See RUS Specifications	
C8-1	See RUS Specifications	
C8-2 (C8-2-10)	See RUS Specifications	
C8-3	See RUS Specifications	
C8A (C8A-8) (C8A-10) (C 8A-FG-8)	See RUS Specifications	
C8AHB-HD (C8AHB-HD10)	See RUS Specifications	
C9	See RUS Specifications	
C9-1	See RUS Specifications	
C9-2	See RUS Specifications	
C9-2N (Lower neutral)	See RUS Specifications	
C9-3	See RUS Specifications	
C9M (Lower neutral)	See RUS Specifications	
Guys and Anchors		
E11	See RUS Specifications	
E1-1	See RUS Specifications	
E12	See RUS Specifications	

Power Restoration Services - Reconductoring and Hazard Mitigation Project

E1-2 includes reflector	SNGL. DOWN GUY THRU.BOLT TYPE	
E1-3 includes reflector	SNGL. DOWN GUY THRU.BOLT TYPE	
E 1-3M	SINGLE DOWN GUY OFF OF FIBER GLASS DE-ARM	
E2-1	See RUS Specifications	
E2-2	SNGL.O.H. GUY THRU.BOLT TYPE	
E2-3	See RUS Specifications	
E 2-3M	SNGL.O.H.GUY OFF FIBER GLASS DE - ARM	
E3-10	GUY MARKER	
E3-11 cattle spike	See RUS Specifications	
E3-3, E3-2	See RUS Specifications	
E4-2, E4-3	See RUS Specifications	
E5-1	See RUS Specifications	
E5-2 includes reflector	See RUS Specifications	
E5-3	See RUS Specifications	
E6-2, E6-3	See RUS Specifications	
E7-2, E7-3	See RUS Specifications	
E8-2, E8-3	See RUS Specifications	
E9-3 (Pole band)	See RUS Specifications	
E9-3M (Add guy to ex. Band)	See RUS Specifications	
E9-4	See RUS Specifications	
F1-1	See RUS Specifications	
F1-2 (F1-2T)	12000# ANCHOR	
F1-2S	See RUS Specifications	
F1-3 (F1-3S) (F1-3T)	15000# SCREW ANCHOR	
F1-4 (F1-4S)	See RUS Specifications	
F1-5S	See RUS Specifications	
F1-5TFS (TWIN)	See RUS Specifications	
F1-5TRFS (TRIPLE)	See RUS Specifications	
F5-1	See RUS Specifications	
F5-2	See RUS Specifications	
F5-3	See RUS Specifications	
F6-1	See RUS Specifications	
F6-2	See RUS Specifications	
F6-3	See RUS Specifications	
Transformers		
G210, G211, G212(5-37.5 KVA)	See RUS Specifications	
G210X, G211X, G212X(5-37.5 KVA)	See RUS Specifications	

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G310,G311,G312(5-37.5 KVA)	See RUS Specifications	
G310X,G311X,G312X(5-37.5 KVA)	See RUS Specifications	
G310,G311,G312(50 KVA & up)	See RUS Specifications	
G310X,G311X,G312X(50 KVA & up)	See RUS Specifications	
G310CX, G311CX, G312CX	3PH TRANS. BANK EXISTING CLSTR	
P310-311-312 (All Platforms)	See RUS Specifications	
G10 (5-37.5 KVA (Combination Unit)	1PH TRANS ON D E ASSY.& CUTOUT	
G10X (5-37.5 KVA (Combination Unit)	See RUS Specifications	
G9 (5-37.5 KVA)(Combination Unit)	See RUS Specifications	
G9X (5-37.5 KVA)(Combination Unit)	1PH TRANS. ON A1 SPRING FORK	
G9,10,39-(5-37.5KVA)	See RUS Specifications	
G9X,10X,39X-(5-37.5KVA)	See RUS Specifications	
Misc. Units		
HC1-2-10-A1	C1-2 MINUS A1 W/10'XARM	
HC1-2-A1	C1-2 MINUS A1 W/8'X-ARM	
HC1-2-A1M	C1-2 MINUS A1 W/10'XARM	
HC1-2RP-A1	C1-2RP MINUS A1 W/8'X-ARM	
HC1-A1	1PH. TO 3 PH 8'X-ARM CONST.	
HC1RP-A1	1PH. TO 3 PH 8'X-ARM CONST.	
HC1-A1FR	1PH. TO 3 PH 8'X-ARM CONST.FRAMED ARM	
HC1-A1M	C1 MINUS A1 W/10 FT ARM	
HC1-A1MFR	C1 MINUS A1 W/10 FT ARM FRAMED ARM	
HC7A-A7A	1PH. D.E. TO 3PH. D.E.	
J & K UNITS		
J8	See RUS Specifications	
J9	See RUS Specifications	
J10	See RUS Specifications	
K11	See RUS Specifications	
K11M	{Off the back existing bolt}	
K15C-4FT (K15C)	SWINGING K-11 OFF UPSET 4 FT EXTENSION LINK	
K10	See RUS Specifications	

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Grounds		
M2-1	See RUS Specifications	
M 2- 9	SHORT GROUND	
M2-11(M2-11#4)	DRIVEN GROUND	
M2-12 (M2-12#4)	GROUND W/BUTT PLATE	
M2-2	See RUS Specifications	
M 3-15 - M2-15M (Air Switch)	See RUS Specifications	
Switches and OCRS		
M3-2A	See RUS Specifications	
M3-3A (M3-3A-10)	See RUS Specifications	
M3-10 (1-Phase OCR no sw.)	See RUS Specifications	
M3-11 (M3-11A)	See RUS Specifications	
M3-12 (M3-12A)	See RUS Specifications	
M3-15 - M2-15M (Air Switch)	See RUS Specifications	
M3-23A (OCR w/Cutout)	See RUS Specifications	
M3-24	See RUS Specifications	
M3-24A	See RUS Specifications	
M3-25	See RUS Specifications	
M3-25A (M3-25A-10)	See RUS Specifications	
M3-25AN (M3-25A-10)	M3-25A WITH NEUTRAL FEEDING THROUGH	
M3RBS (Reg. Bypass)	See RUS Specifications	
M3UAS (Underarm Switch)	See RUS Specifications	
M33-1	See RUS Specifications	
M33-2	See RUS Specifications	
M33-3	See RUS Specifications	
M33-4	See RUS Specifications	
M33-5	See RUS Specifications	
M33-6	See RUS Specifications	
M33-7	See RUS Specifications	
M33-8	See RUS Specifications	
M3-41	See RUS Specifications	
M43-10	See RUS Specifications	
M43-4	See RUS Specifications	
M5-1	HOTLINE CLAMP	
M5-10 (STR-STND)	See RUS Specifications	
M5-11	See RUS Specifications	

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M5-12	See RUS Specifications	
M5-13	See RUS Specifications	
M5-14	See RUS Specifications	
M5-16	See RUS Specifications	
M5-17	See RUS Specifications	
M5-18	See RUS Specifications	
M5-19	See RUS Specifications	
M5-2	See RUS Specifications	
M5-20	See RUS Specifications	
M5-21	See RUS Specifications	
M5-22	See RUS Specifications	
M5-23	See RUS Specifications	
M5-24	See RUS Specifications	
M5-25	See RUS Specifications	
M5-26 (M5-26A)	See RUS Specifications	
M5-27	See RUS Specifications	
M52-3	See RUS Specifications	
M52-4	See RUS Specifications	
M52-5	See RUS Specifications	
M5-3	See RUS Specifications	
M5-4	See RUS Specifications	
M5-5	See RUS Specifications	
M5-6	LIGHTNING ARRESTER W/GRND	
M5-6R	See RUS Specifications	
M5-6-2PH	See RUS Specifications	
M5-6-3PH	3 PHASE ARRESTER BRACKET ASSEMBLY	
M5-8	See RUS Specifications	
M5-9 (STND & STR)	See RUS Specifications	
Regulators		
M 7-11	1VOLTAGE REG. POLE MOUNTED	
M 7-11-M514	1PH REG.LESS.1 XARM	
M 7-11-M514HD	1PH REG.LESS.1 XARM 1/0-4/0-T2 >	
M 7-13	See RUS Specifications	
Meter Loops		
M8-9 30 amp (All)	See RUS Specifications	
M8-9 100 amp (All)	See RUS Specifications	
M8-9 200 amp (All)	See RUS Specifications	
M8-10-30A (All)	See RUS Specifications	
M8-10 100 amp(All)	See RUS Specifications	

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M8-10 200 amp(All)	120/240 200A 1PH DOWN LOOP FM2	
M8-15	See RUS Specifications	
M8-15M	See RUS Specifications	
M8-6 100 amp(All)	See RUS Specifications	
M8-6 200 amp(All)	See RUS Specifications	
M8-6CT (All)	See RUS Specifications	
M8-10CT (All)	See RUS Specifications	
Capacitors		
M9-11	See RUS Specifications	
M9-12	See RUS Specifications	
M9-13	See RUS Specifications	
URD Units		
POLE KEY	See RUS Specifications	
UA1	See RUS Specifications	
UA3	See RUS Specifications	
UB1	See RUS Specifications	
UB2	See RUS Specifications	
UB3	See RUS Specifications	
UB4	See RUS Specifications	
UC1	See RUS Specifications	
UC2	See RUS Specifications	
UC3	See RUS Specifications	
UC4	See RUS Specifications	
UC5	See RUS Specifications	
UC6	See RUS Specifications	
UM5	See RUS Specifications	
UM8-2	See RUS Specifications	
UM12	See RUS Specifications	

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Staking Sheets on following pages