



REQUEST FOR PROPOSALS
STEEL TRANSMISSION POLES

RESPONSE DATE : NO LATER THAN 2:00 PM, JANUARY 20, 2021 (LOCAL TIME)

Newport Utilities (NU) is seeking **SEALED** proposals for steel transmission poles. Specifications attached **Document 1**.

All proposals must be mailed or delivered, at the vendor's sole risk, to the address shown in this request for proposal.

NU is not obligated to accept proposals received after the date and time stated above.

Exceptions, if any, will be considered in the proposal evaluation in determining the successful vendor. Vendor must provide supporting documentation with its proposals for any exceptions.

NU reserves the right to reject any or all proposals, to waive any and all informalities and/or irregularities in the proposal, to negotiate and/or renegotiate with any vendor the terms of its proposal, and to accept any proposal which in its opinion may be in the best interest of NU.

Proposals may be held by NU for a period of time not to exceed sixty (60) days from the due date of the proposals for the purpose of evaluating the proposals or investigating the qualifications of the vendors, prior to awarding of the order. All proposals shall remain effective for at least sixty (60) days after the due date of the proposals.

Each vendor's proposal shall constitute an offer to sell the goods or services sought by this Request for proposals. The award shall be made by execution of a contract mutually agreed upon by both parties.

Questions regarding this request for proposal should be submitted in writing to the person listed below. Questions may be faxed or emailed.



BY: Donna Cureton
TITLE: Purchasing, Logistics, & Fleet Manager
Email: dcureton@newportutilities.com
PHONE: (423) 237-2198



OVERVIEW

Newport Utilities is a municipal electric, water and wastewater service provider providing services in Newport (Cocke County), TN and parts of surrounding counties. Newport's service area is approximately 600 square miles.

REQUEST FOR VENDOR QUALIFICATIONS

Newport Utilities (NU) is in the process of evaluating vendor proposals for steel transmission poles per specifications enclosed on **Document 1**. Your firm is one of the organizations from which qualifications and proposals are being requested.

Due to COVID restrictions, you may email your bid response to:

dcureton@newportutilities.com

Following the receipt of responses which shall be labeled "**SEALED BID-STEEL TRANSMISSION POLES**" due no later than **2:00 pm, January 20, 2021 (local time)**, your proposal will be thoroughly evaluated and a recommendation will be made to our Board for approval on Tuesday, January 26, 2021 at 10:30 am (local time).



Newport Utilities

Steel Transmission Poles – Document 1

January - 2021

1.0 REFERENCES

- a. American Society of Civil Engineers (ASCE) Standard, Design of Steel Transmission Pole Structures, Manual 72, latest edition.
- b. American Society of Civil Engineers (ASCE) Standard, Guidelines for Electrical Transmission Line Structural Loading, Manual 74, latest edition.
- c. American Society of Civil Engineers (ASCE) Standard, Design of Guyed Electrical Transmission Structures, Manual 91, latest edition.
- d. American Society for Testing and Materials (ASTM), various standards, latest revision.
- e. American Welding Society (AWS), Structural Welding Code, AWS D1.1, latest edition.
- f. American National Standards Institute (ANSI), National Electrical Safety Code, ANSI C2, latest edition.

2.0 MATERIALS & SPECIFICATIONS

- a. All materials shall comply with the applicable requirements of ASTM specifications.
- b. Poles shall have a uniform taper throughout their entire length, with minimum tip diameter of 6 inches.
- c. Poles shall have a minimum yield strength of 65 ksi.
- d. Two piece pole joints shall be slip joints.
- e. Overlaps & tolerances shall be provided for each type of pole supplied.
- f. The top and bottom pieces of each pole shall be uniquely marked (unique pole ID #) to identify sections that are to be assembled together so that pieces cannot be mismatched.
- g. The unique pole ID #'s shall also be indicated on drawings for the structures. Reference Table 1: Pole Details for specific pole design requirements.
- h. Hole patterns shall be per pole DRILLING GUIDES A, B or C as indicated in Table 1. Holes for bolts shall be 1/8 inch larger than the nominal bolt diameter after the pole is galvanized.
- i. Grounding provisions shall be made via welded threaded nuts or threaded inserts as shown on DRAWING 1.
- j. Poles shall have bearing plates with a diameter not more than 2 inches greater than the maximum pole diameter.



- k. Provide drain holes at the bottom of the pole.
- l. The exposed embedded portion of the pole shall be surface coated from the butt to a point at least 18 inches above ground line.
- m. Each pole shall be marked on the pole shaft with the following permanently legible identifying information:
 - i. Unique Pole ID #
 - ii. Height
 - iii. Class
 - iv. Ultimate ground moment
 - v. Manufacturer
 - vi. Date of manufacture
- n. Each pole shall be permanently marked on the base and top plate with the height and class.
- o. Provisions to accommodate removable step bolts are required.
 - i. NU to provide steps: Valmont Cat# AS05606.
 - ii. Steps require 1-1/8" holes at maximum 15" alternating spacing (30" max on one side).
- p. Poles shall be galvanized.
- q. Poles supplied shall meet or exceed the following **minimum** ultimate ground line moments:

Height (ft)	Class	Ft-kips
50	1	115
55	1	127
60	1	141
65	1	153
70	1	167
75	1	180
65	H1	185
70	H1	200

3.0 FABRICATION & QUALITY CONTROL

- a. Field welding shall not be permitted.
- b. All parts of the structure shall be neatly finished and free from burrs and sharp edges.



- c. Manufacturer shall make tests in accordance with ASTM A370 and ASTM A673 to verify that the material used in the poles meets the impact properties.
- d. Mill test reports showing chemical and physical properties of all material furnished under this specification shall be maintained by the manufacturer for a period of 5 years and shall be traceable to the structure.
- e. The cost of tests made by the Manufacturer, including the cost of the certified test reports shall be considered included in the price.
- f. If requested, furnish copies of these test reports to the Owner.

4.0 APPROVED MANUFACTURERS

- a. Thomas & Betts
- b. Valmont
- c. FWT
- d. McWane
- e. Union Metal
- f. Transamerican
- g. V & S Schuler
- h. Powco

5.0 SUBMITTAL & REVIEW PROCESS

- a. Submit shop drawings to Owner for review for limited purpose of checking for conformance with requirements.
- b. Submit the following for review and approval:
 - i. Pole weight
 - ii. Ultimate ground line moment
 - iii. Drawings of poles showing hole orientations and sizes
 - iv. Coatings and finish specifications
 - v. Description of pole shaft, including thickness, length, diameter, taper, cross-sectional geometry, slip joint lengths and allowable tolerances
 - vi. Special handling instructions
- c. Review shall not relieve responsibility for complying with requirements.
- d. Upon review, make corrections required and resubmit new copies for further review as required.
- e. Direct specific attention in writing to any revisions other than corrections required on previous submittals.

6.0 SHIPPING

- a. All parts for multi-piece poles shall be shipped together.
- b. The Owner shall be notified 3 working days prior to shipping.



- c. Notification shall include:
 - i. Name of common carrier
 - ii. Expected time of arrival
 - iii. Pole quantities listed by height and class and pole ID
- d. Owner shall be immediately notified should delivery time or carrier change.
- e. After delivery, the poles will be inspected and shall be free of dirt, oil blisters, flux, black spots, dross, teardrop edges, flaking paint or zinc.
- f. Poles shall be smooth and unscarred.
- g. Poles not passing inspection shall be repaired or replaced at no additional cost to the Owner.



Newport Utilities – January 2021

BID FORM FOR TRANSMISSION POLES

Height (ft)	Class	GL Mom (Ft.- Kips)	Quantity	Unit	Unit Price	Extended Price	Mfg.	Delivery
55	1	127	6	each				
60	1	141	5	each				
65	1	153	4	each				
75	1	180	3	each				
					TOTAL			



Height (ft)	Class	Shape (Round / 12 Flats)	Tip Dia. (In)	Base Dia. (In)	Steel Thickness (In)	Base Tube Length (Ft)	Top Tube Length (Ft)	Overlap Length (Ft)
55	1							
60	1							
65	1							
75	1							

Company: _____

By: _____

Title: _____

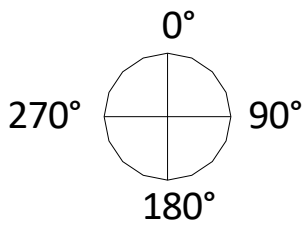
Date: _____



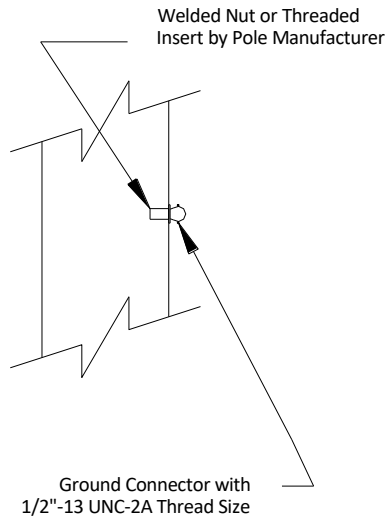
TABLE 1: POLE DETAILS

Qty	Unique Pole ID#	Height(Ft)	Class	Drilling
6	A1-A6	55	1	A
5	B1-B5	60	1	A
4	C1-C4	65	1	A
3	D1-D3	75	1	A

DRAWING 1



Hole Orientation Angle Reference



Install grounding provisions at 6" down from top, 30' above ground line and 2' above ground line @ 45° on all poles

Provide 1.125" holes from 14' above ground line to 5' from top of pole in a continuous pattern suitable for installing removable step bolts (Valmont Cat# AS05606). Provide offset tabs with 1.125" holes on the top section of 2-piece poles in the vicinity of the slip joint area to accommodate step bolt installation across the section overlap area. One series of step bolt holes shall be at the 135° orientation, and the alternating set shall be at the 315° orientation.



DRILLING GUIDE A

**HOLES THRU ORIENTATION ANGLE
0° - 180°**

DISTANCE FROM TOP OF POLE	BOLT DIAMETER (INCHES)	HOLE DIAMETER (INCHES)
0'-3"	0.75	0.875
0'-8"	0.75	0.875
1'-0"	0.75	0.875
1'-4"	0.75	0.875
1'-8"	0.75	0.875
2'-0"	0.75	0.875
6'-0"	0.75	0.875
6'-4"	0.75	0.875
6'-8"	0.75	0.875
7'-0"	1	1.125
7'-4"	1	1.125
7'-8"	0.75	0.875
8'-0"	1	1.125
8'-4"	1	1.125
8'-8"	0.75	0.875
9'-4"	1	1.125
10'-4"	1	1.125
11'-4"	1	1.125
12'-4"	1	1.125
12'-8"	0.75	0.875
13'-0"	1	1.125
13'-4"	1	1.125
13'-8"	0.75	0.875
14'-0"	1	1.125
14'-4"	1	1.125
17'-5"	0.75	0.875
17'-9"	0.75	0.875
18'-8"	0.75	0.875
19'-0"	1	1.125
19'-4"	0.75	0.875
19'-8"	0.75	0.875
20'-0"	1	1.125
20'-4"	0.75	0.875

**HOLES THRU ORIENTATION ANGLE
90° - 270°**

DISTANCE FROM TOP OF POLE	BOLT DIAMETER (INCHES)	HOLE DIAMETER (INCHES)
5"	0.75	0.875
10"	0.75	0.875
1' - 2"	0.75	0.875
1' - 6"	0.75	0.875
1' - 10"	0.75	0.875
3' - 10"	0.75	0.875
5' - 3"	0.75	0.875
7' - 2"	1	1.125
7' - 6"	1	1.125
7' - 10"	1	1.125
8' - 2"	1	1.125
8' - 9"	1	1.125
9' - 4"	1	1.125
9' - 11"	1	1.125
10' - 6"	1	1.125
11' - 5"	0.75	0.875
12' - 2"	0.75	0.875
12' - 6"	1	1.125
12' - 10"	0.75	0.875
13' - 2"	0.75	0.875
13' - 6"	1	1.125
13' - 10"	0.75	0.875
14' - 2"	0.75	0.875
14'-6"	1	1.125
14' - 10"	0.75	0.875
19' - 0"	0.75	0.875
19' - 5"	0.75	0.875
19' - 9"	0.75	0.875
20' - 1"	0.75	0.875
20' - 5"	0.75	0.875



25'-0"	0.75	0.875
25'-4"	0.75	0.875

Provide 1.125" hole at bottom of pole 3' above ground line thru orientation angle 0° - 180°.

DRILLING GUIDE B

**HOLES THRU ORIENTATION ANGLE
0° - 180°**

DISTANCE FROM TOP OF POLE	BOLT DIAMETER (INCHES)	HOLE DIAMETER (INCHES)
0'-3"	0.75	0.875
0'-7"	0.75	0.875

**HOLES THRU ORIENTATION ANGLE
120° - 300°**

DISTANCE FROM TOP OF POLE	BOLT DIAMETER (INCHES)	HOLE DIAMETER (INCHES)
0'-9"	0.75	0.875

**HOLES THRU ORIENTATION ANGLE
90° - 270°**

DISTANCE FROM TOP OF POLE	BOLT DIAMETER (INCHES)	HOLE DIAMETER (INCHES)
0'-6"	0.75	0.875
0'-10"	0.75	0.875
6'-0"	0.75	0.875
7'-0"	0.75	0.875
12'-0"	0.75	0.875
13'-0"	0.75	0.875
18'-0"	0.75	0.875
19'-0"	0.75	0.875

Provide 1.125" hole at bottom of pole 3' above ground line thru orientation angle 0° - 180°.



DRILLING GUIDE C

**HOLES THRU ORIENTATION ANGLE
0° - 180°**

DISTANCE FROM TOP OF POLE	BOLT DIAMETER (INCHES)	HOLE DIAMETER (INCHES)
0'-3"	0.75	0.875
0'-7"	0.75	0.875
6'-0"	0.75	0.875
6'-2"	0.75	0.875
6'-6"	0.75	0.875
12'-0"	0.75	0.875
12'-2"	0.75	0.875
12'-6"	0.75	0.875
18'-0"	0.75	0.875
18'-2"	0.75	0.875
18'-6"	0.75	0.875

**HOLES THRU ORIENTATION ANGLE
90° - 270°**

DISTANCE FROM TOP OF POLE	BOLT DIAMETER (INCHES)	HOLE DIAMETER (INCHES)
0'-6"	0.75	0.875
0'-10"	0.75	0.875
7'-0"	0.75	0.875
7'-2"	0.75	0.875
7'-6"	0.75	0.875
13'-0"	0.75	0.875
13'-2"	0.75	0.875
13'-6"	0.75	0.875
19'-0"	0.75	0.875
19'-2"	0.75	0.875
19'-6"	0.75	0.875

Provide 1.125" hole at bottom of pole 3' above ground line thru orientation angle 0° - 180°.