

## 1. GENERAL

Chelan County PUD is requesting firm price quotations for thirteen (13) reels of 1272 45/7 ACSR, and three (3) reels of 1272 54/19 ACSR, for use as electrical conductor in an overhead transmission system.

## 2. STANDARDS

All material furnished under these specifications shall conform to the latest applicable approved standards of the IEEE, NEMA, ANSI, and ASTM unless otherwise specified herein.

## 3. INSPECTION

The District shall at any reasonable time be permitted to have a representative visit the Contractor's factory for the purpose of witnessing manufacture of the wire to ascertain if the material and manufacturing process conforms to the specifications and to determine if the work is progressing at a proper rate to meet the scheduled shipment.

The District reserves the right to spot check any and all reels received to see if they conform with the specifications under which the wire was ordered. Wire found not conforming to these Specifications will be returned at the expense of the Contractor.

## 4. DELIVERY

The District shall accept delivery only on Monday through Friday between the hours of 8:30 AM and 3:30 PM. The District's Project Manager, George Velazquez (509-661-4547) shall be notified forty-eight (48) hours prior to delivery. Deliveries made more than two weeks prior to the stated delivery date shall be approved by the District's Project Manager.

## 5. REELS, SHIPPING, AND MARKING

Each reel shall be legibly marked with the wire size, weight (gross, tare, net, and lbs/ft), Chelan County PUD bid number, and manufacturers reel number. The same information shall be marked on a tag attached to the end of the wire on the reel.

All wire shall be shipped on steel reels with both ends securely fastened to the reel. All wire shall be properly protected to ensure delivery without damage during shipping and handling operations. Outer layers of reeled wire shall be covered by a heavy-duty weatherproof cushioning material.

All wire shall be shipped on an open flat bed truck. The District will not accept any wire shipped in an enclosed van.

All reels shall be shipped in an upright manner. Any reels shipped on their side flange will be marked "rejected" and returned freight collect to the manufacturer.

Each reel shall contain one continuous length of wire. Length tolerance of -0%/+5% from the requested reel length is allowable.

## 6. WORKSMANSHIP, MATERIAL, AND FINISH

All workmanship and material used on the equipment shall be first class, the best of their respective kinds, and shall be in full accordance with the most modern manufacturing practices for wire.



*Material Standards*

*Date 7-11-2005*

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**OVERHEAD CONDUCTOR FOR THE ROCKY REACH – ANDREW  
YORK/MONITOR 230KV TRANSMISSION LINE**

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## 7. ITEM DESCRIPTIONS

### 7.1. 13 reels of 1272 45/7 ACSR

- Code word “Bittern”
- Steel core wires to be class A galvanizing.
- Finish to be dull non-reflective type equivalent to Alcoa’s “Non-specular”
- Overall cable diameter to be 1.345 inches.
- Rated breaking strength shall be 34,100 pounds.
- Nominal D.C. resistance 0.135 ohms/KFt.or less @ 20°C.

The length per reel of 1272 45/7 ACSR “Bittern” to be furnished for this project is as followed:

<u>Reel No.</u>	<u>Length (ft)</u>
1	11,245
2	11,245
3	11,245
4	11,245
5	11,245
6	11,245
7	11,245
8	11,245
9	11,245
10	11,245
11	11,245
12	11,245
13	3,750

### 7.2. 3 reels of 1272 54/19 ACSR

- Code word “Pheasant”
- Steel core wires to be class A galvanizing.
- Finish to be dull non-reflective type equivalent to Alcoa’s “Non-specular”
- Overall cable diameter to be 1.382 inches.
- Rated breaking strength shall be 43,500 pounds.
- Nominal D.C. resistance 0.135 ohms/KFt.or less @ 20°C.

The length per reel of 1272 54/19 ACSR “Pheasant” to be furnished for this project is as followed:

<u>Reel No.</u>	<u>Length (ft)</u>
14	3,585
15	3,585
16	3,585



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