

Specification E-1639

CITY OF AUSTIN ELECTRIC UTILITY DEPARTMENT

PURCHASE SPECIFICATION

FOR

POLE, DIST, OH, WOOD, REINFORCEMENT

DATE	PREPARED BY	ISSUANCE/REVISION	APPROVAL PROCESS SUPV. / MATERIALS SUPV.
2/4/2002	Peter G. Soosay	ISSUANCE	<hr/> <hr/>

<i>REASON FOR REVISION</i>	<i>AFFECTED PARAGRAPHS</i>
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This specification, until rescinded, shall apply to each future purchase and contract for the commodity described herein.
Retain for future reference.

CITY OF AUSTIN ELECTRIC UTILITY DEPARTMENT
PURCHASE SPECIFICATION
FOR
WOOD POLE REINFORCEMENT

1.0 SCOPE AND CLASSIFICATION

1.1 SCOPE

1.1.1 The City of Austin (COA) Electric Utility Department is hereinafter referred to as Austin Energy (AE). Austin Energy requires a qualified Contractor to provide wood pole reinforcement services. The qualified Contractor, shall have at least five (5) years of experience in wood pole reinforcement.

1.2 CLASSIFICATION

1.2.1 Currently, Austin Energy has the following types of wood poles in the distribution and transmission system:

- a) Southern Yellow Pine 30.0 ft, Class V
- b) Southern Yellow Pine 35.0 ft, Class V
- c) Southern Yellow Pine 40.0 ft, Class III
- d) Southern Yellow Pine 45.0 ft, Class II
- e) Southern Yellow Pine 45.0 ft, Class III
- f) Southern Yellow Pine 50.0 ft, Class II
- g) Southern Yellow Pine 50.0 ft, Class III
- h) Southern Yellow Pine 55.0 ft, Class II
- i) Southern Yellow Pine 60.0 ft, Class II
- j) Southern Yellow Pine 65.0 ft, Class I
- k) Southern Yellow Pine 70.0 ft, Class I
- l) Southern Yellow Pine 75.0 ft, Class I
- m) Southern Yellow Pine 85.0 ft, Class I
- n) Southern Yellow Pine 90.0 ft, Class I

2.0 APPLICABLE SPECIFICATIONS

2.1 The wood pole reinforcement services, shall be in compliance with NESC and all applicable safety guidelines and regulations set forth by Industry Standards.

2.1.1 NESC Table 261-1A - Strength Factors for Structures, Crossarms, Support Hardware, Guys, Foundations and Anchors for Use with Overload Factors of Table 253-1.

3.0 CONTRACTOR REQUIREMENTS

3.1 The Contractor shall treat the wood pole section, prior to reinforcement. The wood pole treatment, shall be in compliance with specification E-1640 (latest revision).

3.2 The Contractor shall restore the pole strength using hot dip galvanized steel truss, secured by hot dip galvanized bands.

~~3.23.3~~ The Contractor shall determine if single or double truss, shall be used to reinforce the pole.

~~3.33.4~~ The truss bands shall be hot dip galvanized as per ASTM A123.

~~3.43.5~~ The banding straps for the truss shall be 2 inches (minimum) wide.

~~3.53.6~~ The Contractor shall determine the length of the truss and the truss yield strength (psi), required for the different wood pole reinforcements.

~~3.63.7~~ The Contractor shall furnish all supervision, labor, tools, equipment and materials needed to complete the truss installation.

~~3.73.8~~ The Contractor shall be able to restore the pole strength, for the poles listed in Section 1.2.1.

~~3.83.9~~ The Contractor shall install the truss without interrupting power to the customers.

~~3.93.10~~ The top of the truss shall have a safety cap, that shall be nailed to the wood pole.

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4.0 CITY OF AUSTIN REQUIREMENTS

4.1 Austin Energy will provide the Contractor, with the following information:

- a) Location of the Pole
- b) Size and Class of Pole
- c) Number of poles to be restored.
- d) Description of the pole damage.

4.2 Austin Energy will inspect the pole(s), upon completion of work by the Contractor.

5.0 BID REQUIREMENTS

5.1 Pre-Bid Meeting and Walk Through

5.1.1 The Bidder shall perform all necessary field inspection of the wood poles, during the pre-bid walk through.

5.2 The Bidder shall state in the bid, the itemized cost for restoring each type of pole.

Include the following Contractors in the Bid:

QPI & M
1501 Mockingbird, Suite 234
Victoria, TX 77905
Walter Pucci: (361) 573-0517; (361) 573-0517 fax

OSMOSE, Inc.
201 Holiday Blvd., Suite 300
Covington, LA 70433
Matt Sillyman: 1-800-736-5383; (281) 782-4546 Cell

RE-SOLVE LTD.
102 N. Linton Ridge Cr.
The Woodlands, TX 77382
Noble C. Kidd III: (281) 363-9547; (281) 367-7197