AGENDA ITEM E-5

CITY OF LODI
COUNCIL COMMUNICATION

TM

AGENDA TITLE: Approve specifications and authorize advertisement for bids for wood utility poles as required during calendar year 2004 (EUD)

MEETING DATE: April 7, 2004

PREPARED BY: Electric Utility Director

RECOMMENDED ACTION: That the City Council approve the specifications and authorize advertisement for bids for the purchase of wood utility poles as needed by the Electric Utility Department during calendar year 2004.

BACKGROUND INFORMATION: Wood utility poles are needed on an ongoing basis for replacement of damaged or deteriorated poles and for routine line maintenance and upgrades.

Staff plans to advertise for bids as requirements are identified and as storage space allows, and will periodically bring recommended purchase quantities to the Council for approval.

FUNDING: Electric Utility Department 2003-2005 Financial Plan and Budget,
Business Unit 161652, Pages E-4 and E-42
Estimated Cost: $50,000

BID OPENING: April 20, 2004

Alan N Vallow, Electric Utility Director

Attachment: Specifications
Prepared by Joel Harris, Purchasing Officer

cc: Manager, EUD Engineering and Operations

APPROVED: H. Dixon Flynn, City Manager

1.0 SCOPE

These specifications cover the minimum acceptable quality of full-length wood poles for use in the City of Lodi's overhead distribution and subtransmission system.

2.0 SPECIFICATIONS

The following specifications shall be met:

A. Poles and methods of manufacturing shall be in accordance with American National Standards Institute (ANSI), Rural Electrification Administration (REA) and American Wood Preservers Association (AWPA) latest revision, except the spiral grain of any pole shall not exceed one complete rotation in any 30 feet.

B. Poles shall be cut, marked and bored as specified in Section 6.0 of this specification.

3.0 TREATING REQUIREMENTS

The following requirements shall be met:

A. Prior to treatment, poles shall be seasoned to a maximum of twenty-five percent (25%) moisture content of the sapwood based upon the oven-dried weight.

B. Poles shall be Douglas Fir and pressure-treated with pentachlorophenol in accordance with the requirements of AWPA Standards C1, "All Timber Products - Preservative Treatment by Pressure Processes," and C4, "Poles - Preservative Treatment by Pressure Processes," or the latest revisions thereof.

C. The pentachlorophenol shall meet the requirements of AWPA Standard P8, "Standards for Organic Preservative Systems," or the latest revision thereof. The carriers shall be a petroleum solvent in conformance with the latest edition of AWPA Standard P9, "Standard for Hydrocarbon Solvents for Oil-Borne Preservative."

4.0 ALTERNATE SPECIES AND TREATMENTS

The following species and treatments which otherwise meet or exceed the requirements of these specifications will be considered as alternate:

- Species other than Douglas Fir.
- Douglas Fir pressure treated with pentachlorophenol in heavy petroleum solution.
- Copper napthenate treatment.

5.0 HANDLING AND SHIPPING

The following requirements shall be met:

A. After treatment, the pole surface shall not be damaged by dragging or from the use of cant hooks, peavies, tongs, cables, slings and other tools normally used in pole-handling operations.

B. Unloading shall be performed only by crane or unloader supplied by the trucker/bidder. All shipments will be F.O.B. delivered and unloaded, Lodi, California.

6.0 ADDITIONAL REQUIREMENTS

The following requirements shall be met:

A. Marking

Poles shall be permanently marked on the face and the butt of each pole in accordance with ANSI Standards.

Exception: The distance of the pole brands from the butt shall be:

10 feet for 50-foot pole lengths and below;
14 feet for 55-foot to 75-foot pole lengths;
18 feet for 80-foot to 100-foot pole lengths.

B. Cutting and Boring

- Full length treated poles shall be cut and marked before treatment.
- Poles shall be cut so that the butts are approximately square.
- Poles shall be cut so that the tops have a slope in any direction of approximately two inches (2”) over the diameter.
- No boring required.

7.0 DELIVERY

Truck delivery shall be made to the City of Lodi Municipal Service Center, 1331 South Ham Lane, Lodi, California, only during normal receiving hours, 8:00 a.m. - 4:00 p.m., Monday through Friday, excluding holidays. Unloading shall be performed only by crane or boom truck supplied by the bidder or bidder’s contract carrier.