

Agenda Report

Date: January 9, 2006

To: City Council

From: City Manager

Subject: **AUTHORIZATION TO ENTER INTO A CONTRACT WITH GE MULTILIN FOR A SUBSTATION FIBER OPTIC MULTIPLEXER COMMUNICATION NETWORK FOR AN AMOUNT NOT TO EXCEED \$684,250.00**

RECOMMENDATION:

It is recommended that the City Council authorize the City Manager to enter into a contract with GE Multilin for an amount not to exceed \$684,250.00.

BACKGROUND:

Pasadena Water and Power (PWP) maintains constant communication with much of its electrical equipment and components using copper lines. These copper lines are aging and are no longer capable of interfacing with new equipment built with state of the art solid state technology. PWP proposes to replace the copper system with a fiber optic multiplexer communication system to provide the increased bandwidth required for new communication and control systems and for the transferal of existing systems.

This fiber optic multiplexer system will utilize two existing fibers from the City's fiber optic network. The multiplexers allow many communication channels to be "multiplexed" onto one pair of fibers, thereby maximizing bandwidth utilization, and, more importantly, the multiplexers automatically reroute communications in the event of disruptions on any particular leg of fiber cable. This is most essential for many critical communications systems. The power Supervisory Control and Data Acquisition system, power substation relaying and protection, power substation alarms, security monitoring, and new ethernet channels will utilize the fiber optic system.

A request for proposals (RFP) was issued seeking the services of a fiber optic communications engineering firm that would be responsible for all aspects of the engineering, procurement, installation, configuration, and commissioning of the required system. The RFP was distributed to four prospective bidders. Two bids were received and opened in the City Clerk's office on November 23, 2004. However, the project was delayed until contract terms were resolved and additional funds were appropriated in the fiscal year 2006 budget. The contractor has provided a proposal extension until January 31, 2006.

While the proposed contract is exempt from competitive bidding pursuant to Subsection 1002(G) of the City Charter, Professional or Unique Services, a competitive selection process was utilized based on the evaluation criteria included in the RFP and found in Attachment 1. The final outcome of the evaluation is as follows:

<u>Bidder</u>	<u>Base Bid Price</u>	<u>Evaluation Grade</u>
GE Multilin	\$539,522.00	90
RFL Electronics	\$552,609.00	68

GE Multilin received the highest overall evaluation grade and is recommended to receive the contract award for an amount not to exceed \$684,250. This amount includes the base bid price, sales tax, monies for spare parts, test panels, and on-site training, and a contingency of 15% to accommodate any unexpected construction conditions, data base modifications, or for the purchase of improved products.

Base Bid	\$539,522.00
Options	55,478.00
15% Contingency	<u>89,250.00</u>
Contract Price	\$684,250.00

GE Multilin is prepared to begin work within thirty days of execution of the contract and work will be completed within twelve months.

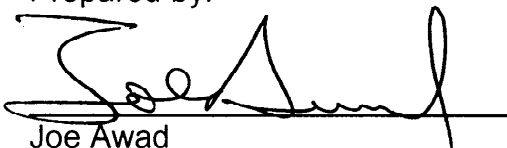
FISCAL IMPACT:

Sufficient funds for this project have been budgeted in FY2005 Fund 411, Capital Improvement Budget Number 3168, "Engineering Services, Management, Installation and Maintenance of Fiber Optic System."


Respectfully Submitted,


CYNTHIA J. KURTZ
City Manager

Prepared by:


Joe Awad
Business Unit Director
Water and Power Department

Approved by:


Phyllis E. Currie
General Manager
Pasadena Water and Power

FIBER OPTICS COMMUNICATIONS ENGINEERING FIRM EVALUATION CRITERIA

The following criteria were used in evaluation of the proposals:

Index	Criteria	Weight	RFL Electronics	GE Multilin
1	Ability of vendor to satisfy functional requirements and other objectives	40%	30	40
2	Scheduling and anticipated level of flexibility for coordination with City electrical operations.	5%	0	5
3	Anticipated level, timeliness and quality of vendor's support during and after testing	10%	10	10
4	Favorable assessment, by other clients with similar needs, of the vendor's proposed products and services.	10%	8	10
5	Vendor's general business stability and capacity including such factors as organization site, financial position, time in business. references and qualifications based upon professional and practical experience.	10%	10	10
6	Total system costs, including costs of vendor's products and services, system software and/or configuration cost, hardware purchase and maintenance cost, installation costs, and cost to the City for resources required to support installation and operation of the system. Payment schedule in accordance with RFP requirements.	15%	10	15
7	Proposers that have been certified by the State of California as a small or micro-business shall receive a 5% preference	5%	0	0
8	Local Pasadena Business receives a 5% preference. The proposer will receive a 2.5% preference if the Vendor is not local but one or more local subcontractors are hired.	5%	0	0
	TOTAL		68	90

**Disclosure Pursuant to the
City of Pasadena Taxpayer Protection Amendment of 2000
Pasadena City Charter, Article XVII**

Contractor hereby discloses its trustees, directors, partners, officers, and those with more than a 10% equity, participation, or revenue interest in Contractor, as follows:

Contractor Name: G E Multilin		
Trustees, directors, partners, officers of Contractor: (use additional sheets as necessary)		
General Electric Multilin is a wholly owned subsidiary of General Electric Company and as such has no board of directors, trustees etc.		
Those with more than a 10% equity, participation or revenue interest in Contractor: (use additional sheets as necessary)		
General Electric Multilin is a 100% owned subsidiary of General Electric Company		

Pasadena City Attorney's office has advised that this form is acceptable.