



Agenda Report

April 25, 2016

TO: Honorable Mayor and City Council

FROM: Water and Power Department

SUBJECT: AUTHORIZATION TO ENTER INTO A CONTRACT WITH UTILITY DATA CONTRACTORS AND AVINEON FOR ELECTRIC GEOGRAPHIC INFORMATION SYSTEM ENHANCEMENTS AND SERVICES

RECOMMENDATION:

It is recommended that the City Council:

1. Find that the proposed action is not a project subject to the California Environmental Quality Act ("CEQA") as defined in Section 21065 of CEQA and Section 15378 of the State CEQA Guidelines and, as such, no environmental document pursuant to CEQA is required for the project;
2. Authorize the Interim City Manager to enter into a contract without competitive bidding pursuant to the City Charter Section 1002 (F), Contracts for Professional or Unique Services, with Utility Data Contractors ("UDC") for GIS Enhancements and services in an amount not to exceed \$1,900,000 or for five years, whichever occurs first; and
3. Authorize the Interim City Manager to enter into a contract without competitive bidding pursuant to the City Charter Section 1002 (F), Contracts for Professional or Unique Services, with Avineon for GIS and Cascade Data Maintenance in an amount not to exceed \$1,625,000 or five years, whichever occurs first.

BACKGROUND:

The current GIS software application used by Pasadena Water and Power ("PWP") is comprised of a computerized system that manages large amounts of information and is capable of assembling, storing, manipulating and displaying geographically referenced electrical assets and information based on locations. GIS is used for managing electric system capital assets, spatial analysis and modeling, outage management response, and customer service. To fully capture the value of the program, specific and unique resources are needed to assist PWP in integrating GIS into other technology platforms to assess and improve existing operational processes and to maintain data integrity.

The purpose of this contract is to enhance and maintain the existing information database as changes are made to the electrical infrastructure. PWP has identified the following areas where contractor assistance will be required:

1. GIS Enhancements, which includes:
 - a. Additional expert technical support services - including quality assurance, staff training, and standardization, to assist with the integration of future Advanced Metering Infrastructure ("AMI") meters and Advanced Distribution Management Systems integration with existing systems including Cascade Asset Management Database, Enterprise Customer Information Services ("ECIS"), Outage Management System ("OMS"), and Supervisory Control and Data Acquisition ("SCADA");
 - b. Field inspections of electrical assets and verification of asset specifications and attributes to ensure data integrity;
 - c. Field Portal software to provide fast, high-quality data entry during field inspections, vegetation management, and DigAlert inspections by PWP field personnel. The technical knowledge is needed to integrate this portal into PWP Cascade Asset Management software; and
 - d. Integrate new design tool to GIS with Cascade Asset Management software.

2. GIS data maintenance, which includes:
 - a. Conversion of engineering records;
 - b. Data clean up; and
 - c. System maintenance for electrical asset information that was affected when paper data was "frozen" during the original GIS data conversion project.

3. Cascade Asset Management data improvement, which includes:
 - a. Update of PWP's asset data; and
 - b. Data enhancements.

On December 22, 2015, a Notice Inviting Proposals for Electric GIS Enhancements and Services for 2016-2020 was published in the Pasadena Journal and posted on the City's web page and Planet Bids. Staff is unaware of any local vendors that provide this type of service. This Request for Proposal ("RFP") was sent out as a multiple award contract, allowing vendors to propose on any or all of the three service areas listed above.

Two proposals were received on January 7, 2016, one from UDC and the other from Avineon. UDC only proposed on Item 1 as listed above and Avineon proposed on all three items. In Avineon's proposal they subcontracted to perform the tasks listed in Item 1 while proposing to perform items 2 and 3 with their own staff. PWP staff found that the proposal from UDC for the scope of work listed in Item 1 was preferable and further recommends contracting with both firms independently for their respective expertise. This will avoid payment to Avineon for the markup for subcontracting its services. PWP

Contract with Avineon and UDC

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has successfully done business with both companies in the past. In 2009, contracts valued at \$750,000 and \$400,000, respectively, were awarded to UDC and Avineon for similar GIS consulting services.

GIS Enhancements

Proposer	Qualifications & Experience	Staff Support & Responsiveness	Cost of Services	Schedule	References	Local Pasadena Business	Small/Micro Business	Total Score
Avineon McLean, VA	4	4	4	4	5	0	0	3.75
Utility Data Contractors ("UDC") Englewood, CO	5	5	4	4	5	0	0	4.2 (Out of 5)

GIS Data Maintenance

Proposer	Qualifications & Experience	Staff Support & Responsiveness	Cost of Services	Schedule	References	Local Pasadena Business	Small/Micro Business	Total Score
Avineon	5	4	5	4	5	0	0	4.3 (Out of 5)

CASCADE Data Maintenance

Proposer	Qualifications & Experience	Staff Support & Responsiveness	Cost of Services	Schedule	References	Local Pasadena Business	Small/Micro Business	Total Score
Avineon	4	5	5	4	5	0	0	4.15 (Out of 5)

Contract with UDC

Staff recommends that a contract be entered into with UDC to provide GIS Enhancement services. Several large utilities utilize UDC, such as Sempra Energy, San Diego Gas and Electric, Pacific Gas and Electric, and Imperial Irrigation District for expert management services similar to those that PWP now requires. The recommended contract with UDC is for an amount not to exceed \$1,900,000 over a five year term.

Contract with Avineon

Staff recommends that a contract be entered into with Avineon to provide GIS data maintenance and CASCADE data maintenance. PWP accumulates daily backlogs of maintenance and new construction data records which must be digitally converted. The recommended contract with Avineon is for an amount not to exceed \$1,625,000 over a five year term.

COUNCIL POLICY CONSIDERATION:

The proposed contract is consistent with the Public Facilities Element of the General Plan and supports the Council's goals to: upgrade security systems at all power distribution facilities that are consistent with currently accepted industry levels of security; and provide a high level of public service which adds to the quality of life in the City and increases its attractiveness through more efficient management of resources.

ENVIRONMENTAL ANALYSIS:

The issuance of contracts and appropriation of funding for GIS enhancements and services is an administrative action that would not cause either a direct physical change in the environment or a reasonably foreseeable indirect physical change in the environment. Therefore, the proposed action is not a "project" subject to CEQA, as defined in Section 21065 of CEQA and Section 15378 of the State CEQA Guidelines. Since the action is not a project subject to CEQA, no environmental document is required.

FISCAL IMPACT:

The maximum cost of this action is \$3,525,000. Funds for this action will be addressed by the utilization of appropriations in the Power Capital Fund 411, Capital Improvement Project #3034 – Distribution System Life Cycle Management. The following table presents a summary of the contracts spending.

Fiscal Year	UDC		Avineon		Total
2017	\$350,000		\$300,000		\$650,000
2018	\$350,000		\$300,000		\$650,000
2019	\$350,000		\$300,000		\$650,000
2020	\$350,000		\$300,000		\$650,000
2021	\$350,000		\$300,000		\$650,000
Contingency	\$150,000		\$125,000		\$275,000
5-year Total	\$1,900,000		\$1,625,000		\$3,525,000

The Fiscal Year 2017 budget for CIP #3034 includes a request of \$650,000 to cover the anticipated spending for the UDC and Avineon contracts as well as an additional \$100,000 for internal labor support, for a total expenditure of \$750,000.

Respectfully submitted,



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