

# Agenda Report

**TO:** CITY COUNCIL

**DATE:** June 1, 2009

**FROM:** CITY MANAGER

**SUBJECT:** AUTHORIZE CONTRACTS WITH UTILITY DATA CONTRACTORS FOR \$400,000 AND AVINEON, INC FOR \$750,000 FOR THE WATER AND POWER DEPARTMENT GEOGRAPHIC INFORMATION SYSTEM PROJECT.

## **RECOMMENDATION:**

It is recommended that the City Council:

1. Authorize a Purchase Order Contract with Utility Data Contractors (UDC) in an amount not to exceed \$400,000 to provide technical engineering program management services for the Water & Power Department's Geographical Information System (GIS).
2. Grant the proposed purchase order an exemption from competitive bidding pursuant to City Charter section 1002(H) Contracts with other governmental entities or their contractors for labor, material, supplies or services.
3. Accept the proposal submitted by Avineon, Inc. in response to a Request for Proposals, reject all other proposals and authorize the City Manager to enter into a contract with Avineon, Inc. in an amount not to exceed \$750,000 to provide regular data maintenance, circuit clean-up, ad hoc data updates and data quality standardization for the Water and Power Department's Electrical GIS.

## **BACKGROUND:**

Pasadena Water and Power Department (Department) is currently finishing the Software Implementation for the Department's Enterprise Geographic Information System (GIS) project, which converted paper-based electrical system data into a geographical database. The GIS software applications comprise 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 will also be used for managing capital assets, spatial analysis and modeling, resource management and development planning, including information to help emergency planners calculate emergency response times in the event of a natural disaster. To fully capture the value of the program, specific and unique contract services are needed to provide additional technical resources to the Department for the next phase of the GIS project and to assess and improve existing operational processes where additional efficiencies can be realized through the integration of GIS technology. The objective is to take full advantage of GIS functionality and ensure that the value of the initial investment is maximized. The Department has identified the following areas where contractor assistance will be required for the next phase:

1. Additional technical support services, including quality assurance, training, and standardization.
2. Conversion of engineering records, data clean up and system maintenance, for electrical asset information that changed when paper data was "frozen" during the original GIS data conversion project.
3. Field inspections of electrical assets and verification of asset specifications and attributes to ensure data integrity.
4. Field Portal software to provide fast, high-quality data entry during field inspections described above, by field personnel.
5. Engineering Design Tool software so designers can create work packages directly in GIS, improving productivity and increasing efficiency and accuracy.

The Department does not have the in-house resources required to perform the services described above. Staff is recommending to contract resources to provide the first two services listed above. The Department will return to City Council with contract recommendations for field inspection services, field portal software and engineering design tools (items 3, 4 and 5 above) at a later time.

#### Purchase Order Contract with UDC (for Item 1 above)

In September, 2008, the Imperial Irrigation District (IID) established a service agreement with Utility Data Contractors (UDC) to provide technical support, on-site handoff, and training services for IID's GIS implementation project. UDC has agreed to provide the same type of services to the Department for the same time and expenses rate as the IID agreement. Several large utilities utilize UDC for expert management services similar to those the Department now requires. UDC will provide the required

expert help with standardization processes in maintenance, quality assurance and field production management, selection of software tools and hardware, training, data model enhancements and recommendations for fine-tuning software applications. The Department requests approval to enter into a purchase order contract with UDC for services similar to IID's for an amount not to exceed \$400,000 over a two year term.

Service Contract with Avineon, Inc. (for Item 2 above)

During the three-year data conversion period, updates to the distribution system were captured and set aside to allow the conversion process to proceed with "frozen" data (data that would not change during the conversion period). The Department accumulated a backlog of maintenance and new construction data records generated during that time that must now be digitally converted.

On December 23, 2008, the Department issued a Request for Proposals to provide data conversion and data clean up of frozen data. The request was posted on the City's web page and mailed to five potential responders. Twelve companies responded with interest and six submitted proposals. A cross-functional team of Department stakeholders evaluated the proposals on price, quality, approach and capability.

<u>Vendor</u>	<u>Evaluated Score</u>
<b>Avineon</b>	<b>2.99</b>
Ramtech	2.66
ESRI	2.43
Nobel	2.22
Power Engineers	2.04
DSM	1.93

Avineon, Inc. received the highest evaluated score and is recommended to receive a service contract not to exceed \$750,000 over a two year term.

These two contracts will provide the Department with the resources needed for the next phase of the GIS project. The proposed contracts are in compliance with the Competitive Bidding and Purchasing Ordinance P. M. C. 4.08, and rules and regulations promulgated there under.

**FISCAL IMPACT:**

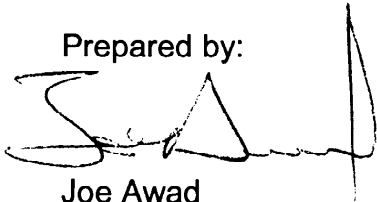
Sufficient funds have been requested in the fiscal year 2010 Power Fund Capital Fund 411, Capital Improvement Project #3034, Distribution System Life Cycle Management to cover the \$650,000 estimated expenditure for fiscal year 2010. Additional funds will be requested as needed for fiscal year 2011. No work will be performed under these contracts unless requested funds are appropriated.

Respectfully submitted,




Michael J. Beck,  
City Manager

Prepared by:



Joe Awad  
Assistant General Manager  
Water and Power Department

Approved by:



Phyllis E. Currie  
General Manager  
Water and Power Department

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

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

*(If printing, please print legibly. Use additional sheets as necessary.)*

<b>1. Contractor/Organization Name:</b> Utility Data Contractors, Inc (EIN# 20-2978937)
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<b>2. Type of Entity:</b> <input checked="" type="checkbox"/> non-government <input type="checkbox"/> nonprofit 501(c)(3), (4), or (6)
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<b>3. Name(s) of trustees, directors, partners, officers of Contractor/Organization:</b>
Rachel T Benson (officer)
Hamid R Akhavan (officer)

<b>4. Names of those with more than a 10% equity, participation or revenue interest in Contractor/Organization:</b>
Rachel T Benson
Hamid R Akhavan

Prepared by: Hamid R Akhavan

Title: President

Phone: 720-733-8862

Date: July 23, 2008