

STAFF REPORT

DATE: December 6, 2011

TO: Water/Sewer Committee

FROM: Cari Dale, Water Utilities Director

SUBJECT: **RECOMMEND APPROVAL OF CLOSING CHANGE ORDER 2 FOR AMERICAN INDUSTRIAL SERVICES FOR THE CONSTRUCTION OF THE WELLHEAD FACILITIES FOR WELLS 10 & 11 PROJECT**

SYNOPSIS

Staff recommends that the Water/Sewer Committee recommend that the Utilities Commission recommend that the City Council approve closing Change Order 2 for American Industrial Services of Escondido for the Wellhead Facilities for Wells 10 & 11 project, and authorize the City Engineer to execute the Change Order.

BACKGROUND

The Mission Basin Groundwater Purification Facility, located at 215 Fireside Drive, was originally constructed and put into operation in 1994. The original facility produced 2.2 million gallons per day (mgd) of potable water from brackish groundwater by use of a reverse osmosis treatment process. A subsequent expansion project was to bring the capacity of the plant up to 6.37 mgd. This expansion, accepted by Council in February 2003, consisted of three additional production wells, nine monitoring wells, a high and low pump station, an additional reverse osmosis train, and other infrastructure-related work. All work was satisfactorily completed with the exception of the production wells, which when drilled did not produce sufficient quantities for production.

In October 1998, the City Council authorized a joint participation agreement between the City of Oceanside, the San Diego County Water Authority (SDCWA) and the Metropolitan Water District (MWD) for participation in the Groundwater Recovery Program (GRP). As part of the GRP study, SDCWA has drilled 11 exploratory wells to map the Basin for possible future use. As part of the drilling project, Oceanside had the SDCWA analyze up to five sites with an emphasis on three that can replace the poorly performing Well Sites 6, 7 and 8. Three of the sites are within a mile of the Mission Basin Groundwater Facility with one being on the plant site. Well Site 9 at the plant site was drilled by the SDCWA and during the test pumping produced up to 2,220 gallons per minute. Construction of the wellhead facilities for Well 9 was completed in June 2008 and began producing water shortly after construction was completed. The other two sites, Well Sites 10 and 11, adjacent to Fire Station 7, were later drilled by the SDCWA.

On December 10, 2008, the City Council approved the plans and specification for the construction of the Wellhead Facilities for Wells 10 and 11 project and authorized the City Engineer to call for bids.

On September 15, 2009, eight bids were received and opened for the Wellhead Facilities for Wells 10 and 11 project. The apparent low bidder was Pascal and Ludwig Constructors with a bid of \$1,347,293. However, shortly after the bids were received and within the requirements outlined in the Bid Documents, Pascal and Ludwig Constructors requested to withdrawal their bid. Staff reviewed the request and circumstances thereof and approved the withdrawal. The next lowest bidder is American Industrial Services of Escondido with a bid of \$1,529,471.

On November 18, 2009 the City Council awarded the project to American Industrial Services and the Notice to Proceed was issued on January 20, 2010.

Construction began shortly after the notice to proceed was issued on January 20, 2010; construction was completed on September 20, 2011.

On November 30, 2011, the City Council accepted the improvements constructed by American Industrial Services for the Wellhead Facilities for Wells 10 & 11 project, and authorized the City Clerk to file a Notice of Completion with the San Diego County Recorder.

ANALYSIS

Closing Change Order 2 includes additional work requested by the City to facilitate proper site drainage, a bid unit quantity adjustment, and costs associated with the City Encroachment Permit. The Closing Change Order will increase the total contract by \$7,620.67.

FISCAL IMPACT

The Mission Basin Desalter Facility Expansion fund (908742500710.5703.10600) has a balance of \$734,221. The final payment due to American Industrial Services for work completed including Closing Change Order 2 is \$515,770.29. Therefore, adequate funds are available.

CITY ATTORNEY'S ANALYSIS

The referenced documents are being reviewed by the City Attorney's office.

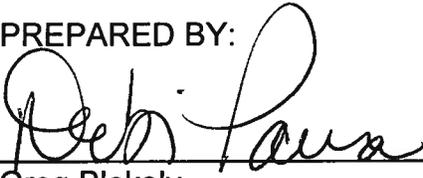
INSURANCE REQUIREMENTS

Does not apply

RECOMMENDATIONS

Staff recommends that the Water/Sewer Committee recommend that the Utilities Commission recommend that the City Council approve closing Change Order 2 for American Industrial Services of Escondido for the Wellhead Facilities for Wells 10 & 11 project, and authorize the City Engineer to execute the Change Order.

PREPARED BY:


for Greg Blakely
Administration Manager

STAFF REPORT

DATE: December 6, 2011

TO: Water/Sewer Committee

FROM: Cari Dale, Water Utilities Director

SUBJECT: **RECOMMEND AUTHORIZATION TO AWARD A PROFESSIONAL CONTRACTOR SERVICES AGREEMENT IN THE AMOUNT OF \$136,492.00 TO GENERAL PUMP COMPANY FOR WELL 3 REHABILITATION AND WELL 9 REDEVELOPMENT**

SYNOPSIS

Staff recommends that the Water/Sewer Committee recommend that the Utilities Commission recommend that the City Council authorize the award of a contract in the amount of \$136,492.00 to General Pump Company of San Dimas for the Well 3 Rehabilitation and the Well 9 Redevelopment; and authorize the City Manager to execute the agreement upon receipt of all supporting documents.

BACKGROUND

The Mission Basin Groundwater Desalting Facility (MBGDF), located at 215 Fireside Drive, was originally constructed and put into operation in 1994. The original facility produced 2.2 million gallons per day (mgd) of potable water from brackish groundwater by use of a reverse osmosis treatment process. One of the original groundwater wells for providing water to the facility was Well 3, which was completed in June 1995. In July 2011, Well 3 was taken off line due to the screen being plugged and a greatly reduced flow rate. Therefore, Well 3 needs rehabilitation work in order to bring it up to its designed production rate and provide a reliable flow of groundwater to the MBGDF. The rehabilitation work will include pulling the pump and motor, rebuilding the pump, pre-cleaning video documentation of the well interior, cleaning the well, post-cleaning video documentation of the well interior, installing the motor and rebuilt pump, performing a pump test, and re-commissioning the well.

A subsequent expansion project was to bring the capacity of the plant up to 6.37 mgd. This expansion, accepted by Council in February 2003 consisted of three additional production wells, nine monitoring wells, a high and low pump station an additional reverse osmosis train and other infrastructure-related work. All work was satisfactorily completed with the exception of the production wells, which when drilled did not produce sufficient quantities for production.

In October 1998, the City Council authorized a joint participation agreement between the City of Oceanside, the San Diego County Water Authority (SDCWA) and the

Metropolitan Water District (MWD) for participation in the Groundwater Recovery Program (GRP). As part of the GRP study, SDCWA has drilled 11 exploratory wells to map the Basin for possible future use. As part of the drilling project, the City of Oceanside had the SDCWA analyze up to five sites with an emphasis on three that can replace the poorly performing Well Sites 6, 7 and 8. Three of the sites are within a mile of the MBGDF with one being on the plant site, which was named Well 9. Well 9 was drilled by the SDCWA and during the test pumping produced up to 2,220 gallons per minute. In June 2008 the wellhead facilities for Well 9 were completed. Currently, Well 9 has a sand pumping issue, which at high flows can impact plant processes and production. Therefore, Well 9 needs redevelopment to bring it up to its designed production rate and provide a reliable flow of groundwater to the MBGDF. Well 9 work will include pulling the pump and motor, rebuilding the pump, pre-cleaning video documentation of the well interior, dual swab redevelopment of the well screen, cleaning the well, post-cleaning video documentation of the well interior, installing the motor and rebuilt pump, performing a pump test, and re-commissioning the well.

ANALYSIS

On October 21, 2011, staff solicited proposals from five pump contracting firms (Exhibit A) to provide the necessary rehabilitation work for Well 3 and the redevelopment work for Well 9. The firms were selected based upon their experience and expertise in providing groundwater well redevelopment and rehabilitation services.

On November 15, 2011, two proposals were received by the Water Utilities Department (Exhibit B). In accordance with the City's procedure, a panel consisting of City project managers was selected to evaluate the proposals. The panel recommended that General Pump Company be selected to provide the Well 3 Rehabilitation and Well 9 Redevelopment work.

FISCAL IMPACT

The Mission Basin Desalter Facility Minor Improvements fund (908748500712.5702.10600) has a balance of \$370,350. The General Pump Company bid for \$77,075.60 for the Well 3 Rehabilitation work and \$59,416.40 for the Well 9 Redevelopment work for a total cost of \$136,492.00. Therefore, adequate funds are available for the project.

CITY ATTORNEY'S ANALYSIS

The referenced documents are being reviewed by the City Attorney's.

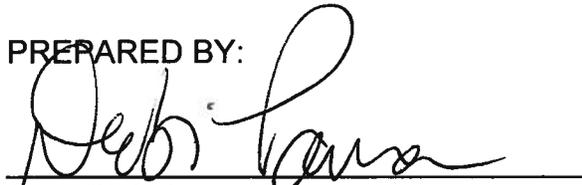
INSURANCE REQUIREMENTS

The City's standard insurance requirements will be met.

RECOMMENDATIONS

Staff recommends that the Water/Sewer Committee recommend that the Utilities Commission recommend that the City Council authorize the award of a contract in the amount of \$136,492.00 to General Pump Company of San Dimas for the Well 3 Rehabilitation and the Well 9 Redevelopment; and authorize the City Manager to execute the agreement upon receipt of all supporting documents.

PREPARED BY:



for Greg Blakely
Administration Manager

- Exhibit A: Request for Proposals Mailing List
- Exhibit B: Proposal Results