



# City Council Report

**Date:** July 1, 2014  
**To:** City Council  
**Through:** Kari Kent, Deputy City Manager  
**From:** Beth Huning, City Engineer  
Rob Kidder, Assistant City Engineer  
**Subject:** Greenfield Water Reclamation Plant – Odor Control Expansion  
City Project No. C10335  
Council District N/A (Gilbert)

## Strategic Initiatives



## Purpose and Recommendation

The purpose of this report is to provide information to the Council on the bids recently received for the Greenfield Water Reclamation Plant – Odor Control Expansion project (refer to Exhibit “A” for project location).

It is recommended that Council award this project to the lowest responsible bidder, Sunwestern Contractors, Inc., for a total award of \$2,198,579.35.

## Background

The Greenfield Water Reclamation Plant (GWRP) is located at 4400 S. Greenfield Road, Gilbert, Arizona. GWRP is jointly owned by the City of Mesa, Town of Gilbert, and the Town of Queen Creek through an Intergovernmental Agreement (IGA). The IGA gives the City of Mesa the authority to operate and maintain the Plant and provides guidelines for the City of Mesa to be reimbursed by Gilbert and Queen Creek for Plant improvements. For this project, the City of Mesa will receive 39.8% reimbursement from the Town of Gilbert and 18.4% reimbursement from the Town of Queen Creek.

## Discussion

This project includes the installation of an additional odor control scrubber unit and associated infrastructure at the GWRP. Other improvements include replacing the Plant’s aging chemical feed systems and storage tanks, and re-lining the existing chemical containment area. A new and larger shade canopy will also be installed over the Plant’s chemical containment area to help protect the new improvements.

The City of Mesa currently uses three odor control scrubber units to mitigate waste water odors at the Plant. A fourth scrubber unit will be installed at the Plant to provide much needed redundancy and will also provide additional odor control capacity. The redundancy will allow Plant Staff the flexibility to take a scrubber out of service to properly maintain the unit in accordance with the manufacturer's recommendations. At this time, Plant Staff is unable to remove an existing scrubber out of service long enough to properly clean and maintain the unit. This lack of maintenance reduces the scrubber's odor control efficiency and service life.

### **Community Impact**

All of the proposed improvements for this project will be on-site and screened from view by a 12-foot high masonry screen wall. Nearby residents may be temporarily impacted by this project during construction. It is anticipated that the project will begin this summer (2014) and take 240 calendar days to complete.

### **Alternatives**

One alternative would be to not construct the proposed odor control improvements at the Greenfield Water Reclamation Plant. This is not recommended because the Plant will not have the odor control redundancy that is needed and the chemical feed systems, storage tanks, and containment area have all reached the end of their service life.

### **Fiscal Impact**

The total award amount of \$2,198,579.35 is comprised of the lowest responsible bid of \$1,998,708.50, plus a 10% change order allowance of \$199,870.85. Funding for the project is available in the 2010 Wastewater Bond Authorization. For this project, the City of Mesa will be reimbursed 39.8% by the Town of Gilbert and 18.4% by the Town of Queen Creek.

### **Coordinated With**

The Town of Gilbert, Town of Queen Creek, and the City of Mesa's Water Resources Department concur with this recommendation.

CITY OF MESA  
MESA, ARIZONA

**GREENFIELD WATER RECLAMATION PLANT  
ODOR CONTROL EXPANSION**

**PROJECT NO. C10335**

Tabulation of Bids Received, Thursday, May 1, 2014, at 1:30 P.M.

<b>ENGINEER'S ESTIMATE</b>	<b>\$1,846,750.00</b>
1. Sunwestern Contractors, Inc.	\$1,998,708.50
2. Currier Construction, Inc.	\$2,132,445.00
3. Felix Construction Co.	\$2,298,241.00
4. Quest Civil Constructors, Inc.	\$2,253,253.00
5. MGC Contractors, Inc.	\$2,286,500.00
6. Garney Companies, Inc.	\$2,358,000.00
7. PCL Construction, Inc.	\$2,363,910.00
8. McCarthy Building Companies, Inc.	\$2,504,150.00
9. Kear Civil Corporation	\$2,685,381.00
10. Blucor Contracting, Inc.	\$3,095,000.00