



AGENDA  
ITEM 10b  
DATE 6-22-09

# City Council Report

**Date:** June 22, 2009  
**To:** City Council  
**Through:** Bryan Raines, Deputy City Manager  
**From:** Edward Quedens, Business Services Director  
**Subject:** Purchase of Two (2) Replacement Programmable Logic Controllers for the Water Resources Department (Mesa Contract #2009128) (Water Bond Funded)  
"Citywide" contract

## Purpose and Recommendation

Council is requested to approve the Purchase of Two (2) Replacement Programmable Logic Controllers as recommended. Bid pricing was obtained and evaluated by the Water Resources and Business Services Departments.

The Business Services Department recommends authorizing purchase from the lowest, responsive and responsible bidder, Intecon, Inc. dba National Automation Services at \$89,904.61, including applicable sales tax.

## Background/Discussion

This purchase will provide replacement Programmable Logic Controllers (PLCs) to upgrade existing PLCs at the Brooks and Pasadena Water Distribution Pump Stations. Due to the age of the existing controllers, they are no longer supported by the vendor and are unable to be accessed during power outages. As a result, these stations are "blind" to the Utilities Control Room during outages and are unable to be monitored.

PLCs are small computers used for automating industry processes and are designed for extended temperature ranges, dirty or dusty conditions, immunity to electrical noise and resistance to vibration and impact.

Seven (7) responsive bids were received in April 2009.

## Alternatives

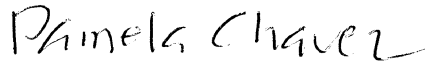
Council may choose not to award this purchase and new bids would be obtained.

**Fiscal Impact**

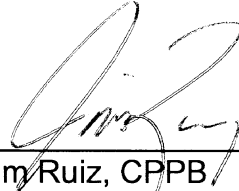
The total amount of \$89,904.61 is available in the Water Resources Department's budget through Water Bond Program funds.

**Coordinated With:**

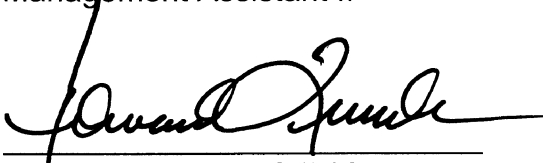
Water Resources Department



Pamela Chavez,  
Management Assistant II



Jim Ruiz, CPPB  
Purchasing Administrator



Edward Quedens, C.P.M.  
Business Services Director



Bryan Raines,  
Deputy City Manager

**CITY OF MESA  
AWARD RECOMMENDATION  
PROGRAMMABLE LOGIC CONTROLLERS  
(REQUEST FOR BID #2009128)**

**Intecon, Inc. dba National Automation Services  
Tempe, AZ**

Quantity	Description	Total Net Bid
1 each	Programmable Logic Controller with Full Control Back Panels for Brooks Station \$41,837 /each	\$41,837.00
1 each	Programmable Logic Controller with Full Control Back Panels for Pasadena Station \$41,331 /each	<u>\$41,331.00</u>
	<b>Sub Total</b>	<b>\$83,168.00</b>
	8.1% Sales Tax	<u>6,736.61</u>
	<b>TOTAL</b>	<b>\$89,904.61</b>

**April 2009 Bid Results:**

<b>Intecon Inc. dba National Automation Services Tempe, AZ</b>	<b>\$83,168.00 (Recommended)</b>
Vertech Industrial Systems Tempe, AZ	\$ 87,650.00
Keller Electrical Industries, Inc. Phoenix, AZ	\$ 90,922.14
Hydro Controls and Pump Systems, Inc. Phoenix, AZ	\$ 99,900.00
Control Logic, Inc. Mesa, AZ	\$102,700.00
RDC Electrical Corp. Phoenix, AZ	\$117,400.00
Laron Incorporated Tucson, AZ	\$137,008.20