



**CITY OF PLANO
COUNCIL AGENDA ITEM**

CITY SECRETARY'S USE ONLY				
<input type="checkbox"/> Consent <input type="checkbox"/> Regular <input type="checkbox"/> Statutory				
Council Meeting Date:		11/12/2012		
Department:		Technology Services		
Department Head		David Stephens		
Agenda Coordinator (include phone #): Dianna Wike x7549				
CAPTION				
To ratify and approve the purchase of the installation of a wireless irrigation connectivity project in the amount of \$73,368, from Scientel Wireless, LLC through an existing HGAC contract and authorizing the City Manager to execute all necessary documents. (HGAC CW10-09)				
FINANCIAL SUMMARY				
<input type="checkbox"/> NOT APPLICABLE <input type="checkbox"/> OPERATING EXPENSE <input type="checkbox"/> REVENUE <input checked="" type="checkbox"/> CIP				
FISCAL YEAR: 2012-13	Prior Year (CIP Only)	Current Year	Future Years	TOTALS
Budget	305,366	594,634	600,000	1,500,000
Encumbered/Expended Amount	-305,366	-17,957	0	-323,323
This Item	0	-73,368	0	-73,368
BALANCE	0	503,309	600,000	1,103,309
FUND(s): CAPITAL RESERVE FUND				
COMMENTS: Funds are included in the FY 2012-13 Capital Reserve CIP. This item, in the amount of \$73,368, will leave a current year balance of \$503,309 for the Irrigation Renovations project.				
STRATEGIC PLAN GOAL: The purchase of wireless irrigation connectivity relates to the City's Goal of Great Neighborhoods - 1st Choice to Live.				
SUMMARY OF ITEM				
Staff recommends Council approve the ratification and purchase of a wireless irrigation connectivity project from Scientel Wireless LLC though the HGAC contract, in the amount of \$73,368. The Parks and Recreation wireless irrigation connectivity project utilizes the existing mesh network to be able to remotely control the irrigation systems at 51 parks located throughout Plano. The change in wireless connectivity was required due to the City migrating away from 900MHZ radio system and Parks requiring an alternative communication method to those remote sites. The remote connectivity to the Parks irrigation systems is essential for the management of water usage at the parks. This connectivity is used to control the watering cycles during all seasons of the year.				
List of Supporting Documents: Memorandum			Other Departments, Boards, Commissions or Agencies	

Interoffice Memo

Date: 10/15/2012
To: Diane Palmer-Boeck, Chief Purchasing Officer
Cc:
From: David Stephens, Director Technology Services
RE: Parks & Recreation Wireless Irrigation Connectivity Project

It is the recommendation of Technology Services to ratify the installation of a wireless irrigation connectivity project to Scientel Wireless LLC. Scientel Wireless has been instrumental in the design and installation of our wireless mesh network and the wireless backhaul. The Parks & Recreation wireless irrigation connectivity project utilizes the mesh network and the accompanying wireless backhaul as primary communications paths to be able to remotely control the irrigation systems at 51 Parks facilities located throughout Plano.

The ratification of an award to Scientel will be based on HGAC contract CW10-09 in the amount of \$73,367.82 for all hardware and installation services to support wireless connectivity to the irrigation control systems at the 51 Park sites. The change in wireless connectivity was required due to the City of Plano migrating away from the 900MHz radio system and Parks requiring an alternative communication method to those remote sites.

This project was broken down into three phases. The first phase was to test a wireless connection from the City of Plano mesh wireless network to 8 locations throughout Plano. The cost of this phase was \$11,394.00. The second phase was to connect 27 irrigation systems to the mesh wireless network at a cost of \$40,051.93. The final phase was to connect 16 irrigations systems to the mesh wireless network at a cost of \$21,921.89.

The remote connectivity to the Parks irrigation systems is essential for the management of water usage at the parks. This connectivity is used to control the watering cycles during all seasons of the year.