

**SUBMITTAL TO THE FLOOD CONTROL AND
WATER CONSERVATION DISTRICT BOARD OF SUPERVISORS
COUNTY OF RIVERSIDE, STATE OF CALIFORNIA**



104B

FROM: General Manager-Chief Engineer

SUBMITTAL DATE:
October 8, 2013

SUBJECT: Procure the NovaStar ALERT Hydrologic Monitoring System Upgrade from Hydrolynx
(Total Cost \$44,856, 1 year at \$38,856 and 2 years at \$3000 per fiscal year)

RECOMMENDED MOTION: That the Board of Supervisors:

1. Approve the sole source procurement to upgrade the NovaStar ALERT system from Hydrolynx;
2. Approve an optional two year annual maintenance renewal plan for \$3,000 per fiscal year.

BACKGROUND:

Summary

The District has been operating the current NovaStar 4 Alert system since 2006 and is upgrading the system to the latest version which is NovaStar 5. The Hydrolynx NovaStar 5 Alert system gathers real time precipitation data from gauges located throughout Riverside County. This real-time hydrologic monitoring system consists of rain and stream gauges which report the occurrence of rain or stream flow to a server located at the District's headquarters through radio transmissions. Having this information available allows the District's Hydrologic Data Collection (HDC) staff to monitor, evaluate, and respond to storm and flooding events.

WARREN D. WILLIAMS
General Manager-Chief Engineer

LV:bjp
P8/155744

FINANCIAL DATA	Current Fiscal Year:	Next Fiscal Year:	Total Cost:	Ongoing Cost:	POLICY/CONSENT (per Exec. Office)
COST	\$ 38,856.00	\$ 3,000.00	\$ 44,856	\$	Consent <input type="checkbox"/> Policy <input type="checkbox"/>
NET DISTRICT COST	\$ 38,856.00	\$ 3,000.00	\$ 44,856	\$	

SOURCE OF FUNDS: 48000-947320-523840 – Hydrology Services – Computer
Equipment -Software; 48080-947320-523840 – Data Processing - Computer Equipment - Software

Budget Adjustment: No
For Fiscal Year: 13/14, 14/15, 15/16

C.E.O. RECOMMENDATION:

APPROVE

BY: **Steven C. Horn, MPA**

County Executive Office Signature

MINUTES OF THE BOARD OF SUPERVISORS

On motion of Supervisor Tavaglione, seconded by Supervisor Ashley and duly carried by unanimous vote, IT WAS ORDERED that the above matter is approved as recommended.

Ayes: Jeffries, Tavaglione, Stone, Benoit and Ashley
Nays: None
Absent: None
Date: October 8, 2013
xc: Flood

Kecia Harper-Ihem
Clerk of the Board
By:
Deputy

Prev. Agn. Ref.: | **District:** All | **Agenda Number:**

11-1

ATTACHMENTS FILED
WITH THE CLERK OF THE BOARD

FISCAL PROCEDURES APPROVED
JEANINE J. REY, FINANCE DIRECTOR
BY:
JEANINE J. REY
Departmental Concurrence

- A-30
- 4/5 Vote
- Positions Added
- Change Order

**SUBMITTAL TO THE FLOOD CONTROL AND WATER CONSERVATION DISTRICT
BOARD OF SUPERVISORS, COUNTY OF RIVERSIDE, STATE OF CALIFORNIA
FORM 11: Procure NovaStar ALERT Hydrologic Monitoring System Upgrade from Hydrolynx
(Total Cost \$44,856, 1 year at \$38,856 and 2 years at \$3000 per fiscal year)**

DATE: October 8, 2013

PAGE: Page 2 of 2

BACKGROUND:

Summary (continued)

This service is an integral part of the function of the HDC Section of the District. As part of the upgrade and implementation services, Hydrolynx will migrate our historical precipitation database from the NovaStar 4 system to NovaStar 5.

This is a sole source purchase since the existing County-wide network of transmitters and repeaters for the ALERT system were provided by Hydrolynx. Both the currently installed monitoring hardware and the NovaStar 5 system are proprietary to Hydrolynx and no other supplier provides the NovaStar system software, hardware, license renewals, and technical support for the system.

Impact on Citizens and Businesses

This software assists the District staff to monitor, assess and respond to storm flooding events as they occur in addition to analyzing storm events after the fact for future planning of flood prevention structures, thereby assisting the District in fulfilling its mission of protecting people and property from flooding.

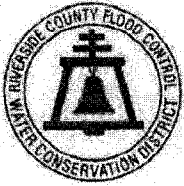
SUPPLEMENTAL:

Additional Fiscal Information

Funds for the Novastar 5 software upgrade and maintenance are included in the District's Hydrology Services and Data Processing budgets for FY 2013-2014 and funds will be budgeted in subsequent fiscal years to cover annual maintenance renewal costs.


Contract History and Price Reasonableness

The District has received approval #14-149 from County Purchasing for this sole source procurement from Hydrolynx. The cost for this software upgrade is \$38,856 including tax and a one (1) year maintenance renewal plan. The District will also purchase additional two (2) one-year maintenance renewals at a cost of \$3,000 each which will expire in 2016. The NovaStar5 Linux operating system allows the District to operate without any system down time. The District finds this cost to be reasonable and acceptable.



MEMORANDUM
RIVERSIDE COUNTY FLOOD CONTROL
AND WATER CONSERVATION DISTRICT

DATE: September 17, 2013

TO: Board of Supervisors
VIA: Purchasing Agent
FROM: Warren D. Williams, General Manager-Chief Engineer 
RE: Sole Source Procurement – Hydrolynx Systems, Inc.
Request for Purchase of the NovaStar5 Software for the District

The information provided below is in support of the District requesting approval for a sole source. Outside of a duly declared emergency, the time to develop a statement of work or specifications is not in itself justification for sole source.

1. **Supply/Service being requested:** Software System upgrade from Hydrolynx NovaStar 4 to NovaStar5
2. **Supplier being requested:** Hydrolynx Systems, Inc.
3. **Alternative suppliers that can or might be able to provide supply/service:** None for the NovaStar5 Software System
4. **Extent of market search conducted:** On May 11, 2004, Item 11.6 was approved by the District's Board of Supervisors for the Sole Source purchase of Alert Transmitters and Rain Gauge Top Sections from Hydrolynx Systems, Inc. Since that time, we have been operating our current NovaStar4 Alert System and need to upgrade the current system to the latest version which is NovaStar5. Other companies such as DiadVisor by OneRain and DataWise by JE Fuller offer their own sole source software programs designed to provide the same alert monitoring but on Windows based platforms. The District has been operating on a LINUX based system since the inception of this program. Switching from LINUX to Windows now would cost the District upwards of \$50,000 in new software, hardware, and decoders necessary to transfer the archived information stored on the Alert Server to a new Windows based platform. The District has 70 rainfall monitoring stations throughout Riverside County valued at a replacement cost of \$4,500 per site. That, along with new software, computers, and decoders plus archive management of the current rainfall data, is not a cost effective alternative.
5. **Unique features of the supply/service being requested from this supplier, which no alternative supplier can provide:** The Hydrolynx NovaStar5 Alert system gathers real-time precipitation data from rain gauges located throughout Riverside County. This real-time hydrologic monitoring system consists of rain and stream gauges which report the occurrence of rain or stream flow to a stand-alone server located at the District's headquarters. Having this information available allows the District to staff, monitor, evaluate and respond to storm and flooding events. This software is an integral part of the function of the District's Hydrologic Data Collection section.

TO: Board of Supervisors
RE: Sole Source Procurement – Hydrolynx Systems, Inc.
Request for Purchase of the NovaStar5 Software for the District

- 6. **Reasons why my department requires these unique features and what benefit will accrue to the county:** The District has been operating the current NovaStar4 Alert System Software on a QN-X operating system (non-windows) since 2006 and is upgrading the system to the latest version which is NovaStar5 (Linux non-windows based operating system). The Hydrolynx NovaStar5 Alert system allows the District's Hydrologic Data Collection (HDC) staff to monitor, evaluate and respond to storm and flooding events. As part of the upgrade and implementation services, Hydrolynx will migrate our historical precipitation database from the NovaStar4 to NovaStar5. This is a sole source purchase since the existing County-wide network of transmitters and repeaters for the Alert system were provided by Hydrolynx. Both the currently installed monitoring hardware and the NovaStar5 system are proprietary to Hydrolynx and no other supplier provides the NovaStar system software, hardware, license renewals and technical support for the system. OneRain and JE Fuller could provide software to replace the current system but at a significant cost and downtime to the District.
- 7. **Price Reasonableness including purchase price and any ongoing maintenance or ancillary costs from the supplier:** [The cost for this software upgrade is \$38,856 including tax and a one (1) year maintenance renewal plan. The District will also purchase additional two (2) one-year maintenance renewals at a cost of \$3,000 each which will expire in 2016. The NovaStar5 Linux operating system allows the District to operate without any system down time.] The Novastar is backed by the Diadvisor windows based application as well. Funds for this system upgrade are budgeted in the FY 2013-2014 budget and funds will be budgeted in subsequent years to cover the annual maintenance renewal costs. [The District finds this cost to be reasonable and acceptable] See attached approved H11 #PR2013-00245.
- 8. **Does moving forward on this product or service further obligate the county to future similar contractual arrangements or any ongoing costs affiliated with this sole source? (Maintenance, support, or upgrades, if so, please explain).** No
- 9. **Period of Performance:** N/A

[Signature] _____ *9/23/13*
 Department Head Signature Date

Purchasing Department Comments: *1 Time Purchase plus 2 years Annually Renewable Maintenance*

Approve Approve with Condition(s) Disapprove

Not to exceed: \$ 38,856 One time Annual Amount through 3000 6-30-2016

[Signature] _____ *9-23-13* *Purchase 14-149* *Maint. Renewal 14-149A*

Purchasing Agent Date Approval Number
 (Reference on Purchasing Documents)

Attachment
 GG:mc
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