

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



ITEM: 11.2
(ID # 12429)

MEETING DATE:
Tuesday, May 12, 2020

FROM : FLOOD CONTROL DISTRICT:

SUBJECT: FLOOD CONTROL DISTRICT: Authorize the Purchasing Agent to Issue a Purchase Order to HydroLynx Systems, Inc. for the Purchase of an Upgrade of the Alert System to ALERT2 System Without Seeking Competitive Bids for Two Years; All Districts. [\$203,692 Total – 100% District Funds]

RECOMMENDED MOTION: That the Board of Supervisors:

1. Ratify and Authorize the Purchasing Agent to issue a Purchase Order for the purchase of an upgrade to ALERT2 Flood Monitoring System with HydroLynx Systems, Inc. without seeking competitive bids for an aggregate amount of \$203,692 (FY2019-20 \$101,968, FY2020-21 \$101,724).

ACTION:Policy

Jason Uhley, GENERAL MGR-CHF FLD CNTRL ENG

4/28/2020

MINUTES OF THE BOARD OF SUPERVISORS

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

Ayes: Jeffries, Spiegel, Washington, Perez and Hewitt
Nays: None
Absent: None
Date: May 12, 2020
xc: Flood

Kecia R. Harper
Clerk of the Board

By:
Deputy

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

FINANCIAL DATA	Current Fiscal Year:	Next Fiscal Year:	Total Cost:	Ongoing Cost
COST	\$101,968	\$101,724	\$ 203,692	\$ 0
NET COUNTY COST	\$ 0	\$ 0	\$ 0	\$ 0
SOURCE OF FUNDS: 48000-947240-526960 Hydrology-Small Tools & Instruments			Budget Adjustment:	No
			For Fiscal Year: 19/20, 20/21	

C.E.O. RECOMMENDATION: Approve

BACKGROUND:

Summary

The Riverside County Flood Control and Water Conservation District (District) has operated an ALERT1 radio rain gauge flood warning system for over 45 years. The system is comprised of 70 gauges placed throughout the County, along with four repeater sites. This network is comprised of a HydroLynx transmitter and repeater units. This purchase is necessary to upgrade the District's ALERT1 System, bringing the network up to standard with the ALERT2 protocols set forth by the flood warning community.

Impact on Residents and Businesses

This hardware upgrade improves the capabilities of District staff to monitor and respond to storm flooding events as they occur as well as improves the capabilities of District staff to further analyze the impacts of storm events in affected communities after the event occurs. Analysis of such impacts benefit residents and businesses because it allows for future planning of flood prevention structures in affected communities and assists District staff in fulfilling the District's mission of protecting people and property from flooding events.

Additional Fiscal Information

Funds for the upgrade to the ALERT2 System are included in the District's Fiscal Year 2019-2020 Hydrology Services budget for Phase 1 and will be included in the Districts Fiscal Year 2020-2021 Hydrology Services budget for Phase 2.

Contract History and Price Reasonableness

This is a sole source purchase because the ALERT2 System is proprietary to HydroLynx Systems, Inc. HydroLynx Systems, Inc. is the only company that makes a direct upgrade for their units from the ALERT1 System to the ALERT2 System design.

The District has received approval #20-116 from County Purchasing for the HydroLynx Systems, Inc. ALERT2 System sole source procurement. The cost for this upgrade is in two (2) phases occurring over two (2) fiscal years as follows: Phase 1, Fiscal Year 19/20: \$101,968.00 and Phase 2, Fiscal Year 20/21: \$101,724.00. The District finds this cost to be reasonable and acceptable.

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

Attachments:

1. Request for Purchase
2. HydroLynx Systems Sole Source

P8230859
SC:rlp


Teresa Summers, Director of Purchasing 4/28/2020


Jason Farin, Senior Management Analyst 5/7/2020



MEMORANDUM

RIVERSIDE COUNTY FLOOD CONTROL
AND WATER CONSERVATION DISTRICT

DATE: April 16, 2020

TO: Board of Supervisors/Purchasing Agent

VIA: Samuel Cox, Buyer I, 951.955.0097 or ext. 50097

FROM: Jason E. Uhley, General Manager-Chief Engineer *J. Uhley*

RE: Sole Source Procurement; Hydrolynx Systems, Inc.
Request for Purchase of the Alert2 System

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

1. **Supplier being requested:** Hydrolynx Systems, Inc.
2. **Vendor ID:** 0000034593
3. Single Source Sole Source
4. **Have you previously requested and received approval for a sole or single source request for this vendor for your department?**

Yes NO

SSJ# 20-057 and dating back to 2012

- 4a. **Was the request approved for a different project?** The answer is both yes and no the purpose of the equipment purchased is the same and this purchase is an upgrade in the equipment. The projects vary from District facilities to remote areas to the Holy Fire burn areas etc.

Yes No *There are several approved SSJ's for various items from Hydrolynx and some do pertain the Alert System items.

5. **Supply/Service being requested:** The District has operated an ALERT1 radio rain gauge flood warning system for over 45 years. The system is comprised of 70 gauges placed throughout the county, along with four repeater sites. This network is comprised of Hydrolynx transmitter and repeater units. The purpose of this upgrade is to bring our ALERT1 network up to standard with the ALERT2 protocols set forth by the Flood Warning community. Hydrolynx is the only company that makes a direct upgrade for their units to the ALERT2 design.

MEMORANDUM

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April 16, 2020

TO: Board of Supervisors/Purchasing Agent
 RE: Sole Source Procurement; Hydrolynx Systems, Inc.
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6. **Unique features of the supply/service being requested from this supplier:** In order for the District to maintain a cooperative relationship with surrounding agencies in the Flood Warning community, the District must upgrade to the ALERT2 Protocol. Hydrolynx is the only company that makes a direct plug and play upgrade for all of the District's units. These have been dependable units, and after a long working relationship, Hydrolynx is familiar with the District's network and its needs.
7. **Reasons why my department requires these unique features from the vendor and what benefit will accrue to the county:** The District's entire network of ALERT1 equipment is made by Hydrolynx. This type of equipment is operated in very harsh and wet environments, and Hydrolynx equipment has proven itself to be reliable making it the best choice to continue using. The District's operational goal with this system is to keep up with current technological advances while continuing to scan the horizon for ways to make it work even better for the public's interest.
8. **Period of Performance:** From: FY19/20 to FY20/21 (two years to complete upgrades) (total number of years)

Is this an annually renewable contract? Yes No
 Is this a fixed-term agreement? Yes No

9. **Identify all costs for this requested purchase. In addition, please include any single or sole source amounts previously approved and related to this project and vendor in the section designated below for current and future fiscal years. You do not need to include previous fiscal year amounts. If approval is for multiple years, ongoing costs must be identified below. If annual increases apply to ongoing costs such as CPI or other contract increases, provide the estimated annual cost for each consecutive year. If the annual increase may exceed the Purchasing Agent's authority, Board approval must be obtained.**

Description:	FY 19/20	FY 20/21	Total
One-time Costs:	\$101,968.00	\$101,723.75	\$203,691.75
Upgrade Alert II System			
Ongoing Costs	NA	NA	
NA			
Previous SSJ Approved Amounts			
Total Costs	\$101,968.00	\$101,723.75	\$203,691.75

10. **Price Reasonableness:** This upgrade is being done in cooperation with several other agencies under the auspices of a California Department of Water Resources (DWR) grant. Riverside County was awarded \$209,000 to be used for implementing the ALERT2 protocol, in turn improving our Flood Warning System. The DWR will repay the money we spend once the equipment is installed and the proper documentation is turned in. The plan is to spend \$100,000

MEMORANDUM

April 16, 2020

TO: Board of Supervisors/Purchasing Agent
RE: Sole Source Procurement; Hydrolynx Systems, Inc.
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each year for two years and to recoup that once the installation is complete. This grant will allow for zero equipment costs to the District which is of course a benefit to the residents of Riverside County. Once this upgrade is complete, we would expect to get 10-20 years out of this system. The price for Phase 1 of this purchase is \$101,968.00 including tax and freight, and the price for Phase 2 is \$101,723.75. The District finds this cost fair and reasonable.

11. Projected Board of Supervisor Date (if applicable): May 19, 2020

[Signature] Department Head Signature (or designee) Jason Uhley Print Name 4/16/2020 Date

The section below is to be completed by the Purchasing Agent or designee.

Purchasing Department Comments:

Approve Approve with Condition/s Disapprove

Condition/s:

Not to exceed:

One-time \$ _____
 Annual Amount \$ _____ / per fiscal year through 6/30/2021 (date)
(If Annual Amount Varies each FY)
FY 19/20: \$ 101,968
FY 20/21: \$ 101,724
FY _____: \$ _____

[Signature] Purchasing Agent 4/21/2020 Date 20-116 Approval Number
(Reference on Purchasing Documents)



February 18, 2020

Mr. Robert Laag
Riverside County Flood Control

Phone(951) 955-1232
Fax.....(951) 684-8409
Emailrelaag@RIVCO.ORG

RefQuotation # 2002Q502/Quotation valid until June 30, 2020

Dear Robert:

Thank you for giving HydroLynx the opportunity to quote on your requirement. Please let me know if you have any questions, or if I can assist you in any way.

<u>Model #</u>	<u>Description</u>	<u>Qty</u>	<u>Unit</u>	<u>Total</u>
GRANT 3 - PHASE 2				
5096/A2-UP-H	ALERT2 High Data Rate Transmitter Upgrades Upgrade existing 5096 to ALERT2, includes ALERT2 Encoder PCB High Data Rate, GPS Antenna/receive with lightning arrestor, and 9601-02 version 5 EPROM <i>Customer will supply radio.</i>	28	2195.00	61,460.00
5033-0.3B	300mA Solar Panel, regulator and mounting bracket <i>When adding a 5096/A2 ALERT2 transmitter to an existing station you must upgrade you solar panel to a 5 watt panel</i>	31	350.00	10,850.00
5031-22	12 volt 22 amp Hour Gel Cell Battery	31	110.00	3,410.00
	Sub-Total			\$75,720.00
5096/A2-90-H	ALERT2 High Data Rate Transmitter New Transmitter in Round Canister, 2 Digital, 1 Analog Input includes internal 22-amp hour battery, ALERT2 Encoder PCB High Data Rate, GPS Antenna/receive with lightning arrestor, ALERT2 9601-01 Version 5 EPROM	2	3590.00	7,180.00
RTR-MX-V	Maxon Synthesized Radio, (Riverside County frequency list)	2	500.00	1,000.00
	Sub-Total			\$8,180.00
A2X-RPT-UP-H	ALERT2 High Data Rate PCB Upgrade includes cables harnesses VS108792, VS108793, VS108812, VS108814 Customer will send back existing receiver/decoder for update to high data rate	1	7100.00	7,100.00
LABOR	Labor to convert Receiver/Decoder to high Data Rate	4	175.00	700.00
	Sub-Total			\$7,800.00
	TOTAL			\$91,700.00
	Sales Tax 8.75%			8,023.75
	Freight			2,000.00
	GRAND TOTAL			\$101,723.75

Terms Net 30 days
Shipping FOB West Sacramento
Delivery 30 - 60 days, ARO

Sincerely,

Kimberly A. Blair
President



February 18, 2020

Mr. Robert Laag
Riverside County Flood Control

Phone(951) 955-1232
Fax(951) 684-8409
Emailrelaag@RIVCO.ORG

RefQuotation # 2002Q501/Quotation valid until June 30, 2020

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<i>Model #</i>	<i>Description</i>	<i>Qty</i>	<i>Unit</i>	<i>Total</i>
GRANT 3 - PHASE 1				
ALERT2 High Data Rate Repeater Trade Up from existing ALERT1 repeaters				
ALERT1 RX, ALERT2 RX, ALERT2 TX				
<i>Cactus City: A1/A2 RX: 169.525 A2TX: 166.075 MHz</i>				
<i>Edom Hill: A1/A2 RX: 169.525 A2TX: 166.075 MHz</i>				
<i>Whitewater: A1/A2 RX: 166.075 A2TX: 171.900 MHz</i>				
<i>Santlago: A1/A2 RX: 171.900 A2TX: 170.225 MHz</i>				
5052RP-B2-H/TU	ALERT2 HDR Repeater in NEMA 4X enclosure with 2 antenna polyphaser connectors, 2 3-pin power connector, external battery, Use customers 50386 PCB/ with 50386 PCOS, Ritron ALERT1 RX radio, Ritron ALERT2 TX radio, ALERT1 modem PCB Add ALERT2 receiver with A2X Repeater PCB, Ritron ALERT2 RX radio, RX radio BNC splitter, GPS antenna, bracket, cable and lightning protection Must return to HydroLynx for upgrade Sub-Total	4	14000.00	56,000.00 \$56,000.00
5052RP-B2-H	Spare ALERT2 High Data Rate Repeater ALERT1 RX, ALERT2 RX, ALERT2 TX <i>Use 4 frequency pairs above.</i> ALERT2 HDR Repeater in NEMA 4X enclosure with 2 antenna polyphaser connectors, 2 3-pin power connector, external battery, 50386 PCB/ with 50386 PCOS, Ritron ALERT1 RX radio, Ritron ALERT2 TX radio, ALERT1 modem PCB, A2X Repeater PCB, Ritron ALERT2 RX radio, RX radio BNC splitter, GPS antenna, bracket, cable and lightning protection Sub-Total	1	16000.00	16,000.00 \$16,000.00
5462/A2FX	ALERT2 Field Decoder ALERT2 Field Decoder with transmit data feature (Blue Water Design)1 Basic Package	6000.00		6,000.00



Quotation#2020Q501
Page 2

Model #	Description	Qty	Unit	Total
5052RD-K-H	Base Station ALERT/ALERT2 High Data Rate Receiver/Decoder ALERT2 HDR Receiver and Decoder in Rack Mount Enclosure Ritron radio receiver (ALERT2 Frequency: 170.225 MHz) ALERT2 decoder in Desktop Enclosure with rack mount brackets, ALERT2 receive data and power LEDs, 1 antenna connector for ALERT2 radio, 1 network connector for ALERT2 data, 1 serial connector for ALERT2 data, 1 USB connector for ALERT2 decoder console	1	6980.00	6,980.00
5052RD-OP1	ALERT1 Receiver /Decoder Option for 5052RD-K Ritron radio receiver (ALERT1 Frequency: 170.225 MHz) ALERT1 decoder mounted in 5052RD-K enclosure, ALERT1 receive data LED, speaker with switch, 1 antenna connector for ALERT1 radio, 1 network connector for ALERT1 data, 1 serial connector for ALERT1 data	1	1450.00	1,450.00
5030-PS	12 Vdc Power Supply with 3-pin MS connector	1	110.00	110.00
5071C-NET-5E	Network cable for ALERT1/ALERT2 data and time sync, 7 feet	2	55.00	110.00
5050LA	Antenna Lightning Protection	1	110.00	110.00
CRG58-NM/NM3	Antenna pigtail cable, 5050LA to TWR2-150, 3 feet	1	100.00	100.00
TWR2-150	Receiver distribution panel (Frequency: 170.225) Includes power supply, pre-amp, splitter	1	1750.00	1,750.00
TWX-150	Receiver crystal filter for ALERT1/2 radio (Frequency: 170.225)	1	2195.00	2,195.00
CRG58-NM/BNC3	Antenna pigtail cable, TWR2-150 to 5052RD-K, 3 feet	2	100.00	200.00
	Recommend battery backup for AC power supply			
	Sub-Total			\$13,005.00
	TOTAL			\$91,005.00
	Sales Tax 8.75%			7,962.94
	Freight			3,000.00
	GRAND TOTAL			\$101,967.94

Terms Net 30 days
Shipping FOB West Sacramento
Delivery 30 - 60 days, ARO

Sincerely,

Kimberly A. Blair
President



April 10, 2020

Riverside County Flood Control District
1195 Market Street
Riverside, CA 92501

To whom it may concern:

HydroLynx Systems is the manufacturer and sole source provider of the 5096 Data Transmitter, 50386 and 50388 Data Communications Units, Repeater and Base Station equipment including all HydroLynx ALERT2 upgrade equipment and related sensors. We are the sole source repairs, service and training provider for this equipment.

If you have any questions please feel free to call me at (916) 374-1800.

Sincerely Yours,

Kimberly A. Blair
President