

# Staff Report

**TO:** Board of Directors

**FROM:** Chip Close, Director of Water Operations  
Aurora Penaluna, Customer Service Administrator

**DATE:** March 27, 2024

**SUBJECT:** Beacon AMA Meter Service Units Purchase Order (Consent)

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## **WATER OPERATIONS**

### **RECOMMENDATION:**

Approve a sole source purchase order to Badger Meter, Inc. for the purchase of 2024 cellular and mobile read service units and related licenses in the amount of \$130,000 and authorize the General Manager to execute the appropriate documents.

### **BACKGROUND:**

The District uses advanced metering infrastructure (AMI) technology to collect consumption, diagnostic and status data from customer meters. This data is automatically transmitted at pre-determined intervals to a central database for billing, troubleshooting and analysis. This system requires the District purchase service units (cellular air time) to facilitate the transmission of data. In areas where cellular signal is not reliable, the District uses automatic meter reading (AMR). AMR meters collect the same data; however, the data is collected when a technician drives by with a data receiver. Each of the District's AMI/AMR customer meters uses one service unit per month. The District purchases bulk service units to ensure the lowest cost per unit, \$0.81 per service unit for AMI data and \$0.03 for AMR data.

The District currently has 11,800 AMI meters and 1,852 AMR meters and we continue to retrofit additional meters.

Section 3080.3.J.3 of the District's Procurement Policy allows sole source purchases when a necessary item is only available from one source.

**BUDGETARY IMPACT:**

The current annual cost of service units and licensing is included in the 2024 Water Operating Budget.

Attachments (1):

- Purchase Requisition PR24-10133-03



**NEVADA IRRIGATION DISTRICT**  
**Purchase Requisition**

No. **24-10133- 03**

Date: March 27, 2024

Ship to: NID

Attention: Aurora

Delivery Required by:

Via \_\_\_\_\_

Due Date \_\_\_\_\_

To be filled in by Purchasing Dept.

| Quantity  | Description  | Dept Code        | Expense Code | Proj/Fac Code      | Terms                                |        | F.O.B.     |       |
|---|--|------------------|--------------|--------------------|--------------------------------------|--------|------------|-------|
|   |  |                  |              |                    | P.O. No.                             | Vendor | Unit Price | Total |
|   | 2024 Beacon LTE Orion Cellular Service Units & Mobile Read Service | 10133            | 52615        |                    |                                      |        |            |       |
|   | Units including related licenses. Not to exceed \$130,000          |                  |              |                    |                                      |        |            |       |
|   |  |                  |              |                    |                                      |        |            |       |
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|   |  |                  |              |                    |                                      |        |            |       |
| 68886-301 Beacon Mobile Hosting Service Unit (Mobile) @ \$0.03/unit |  |                  |              |                    |                                      |        |            |       |
| 68886-104 LTE Orion Cellular 1XRTT Service Unit @ \$0.81/unit       |  |                  |              |                    |                                      |        |            |       |
|   |  |                  |              |                    | # Attachments                        |        | Total Cost |       |
|   |  |                  |              |                    |                                      |        | 0          |       |
|   |  |                  |              |                    | _____<br>IT Approver (if needed)     |        |            |       |
|   |  |                  |              |                    | Signed _____<br>First Level Approver |        |            |       |
| General Manager   |  | Finance Approver |              | Department Manager |                                      |        |            |       |