

# MAINTENANCE AND SUPPORT AGREEMENT WITH TANTALUS SYSTEMS, INC. FOR THE ELECTRIC AMI HEAD-END SYSTEM

#### **Riverside Public Utilities**

**Board of Public Utilities** 

May 9, 2022

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#### **BACKGROUND**

- 1. On January 28, 2019, the Board of Public Utilities approved the Electric AMI and Meter Data Management System (MDMS), including a Professional Services Agreement with Tantalus Systems, Inc. for a cloud-based Electric Advanced Meter Infrastructure (AMI) Head-End System.
  - a) Tantalus was selected through Request for Proposal No. 1837, consistent with the City purchasing process.
  - b) Original contract include initial maintenance and support fees through December 31, 2021
- 2. March 12, 2019 City Council Project Implementation
- 3. December 17, 20219 City Council Phase 2 update & staffing budget amendment
- 4. June 14, 2021 City Council Land Use Committee update Phase 3 project update
- 5. November 9, 2021 City Council update Phase 3 project update



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### **ADVANCED METERING INFRASTRUCTURE**

AMI is a system of:

- 1. Advanced meters
- 2. Communications networks
- 3. Data management

It allows **two-way communication** between a customer's meter and the utility. The system transmits near **real-time information** about usage.



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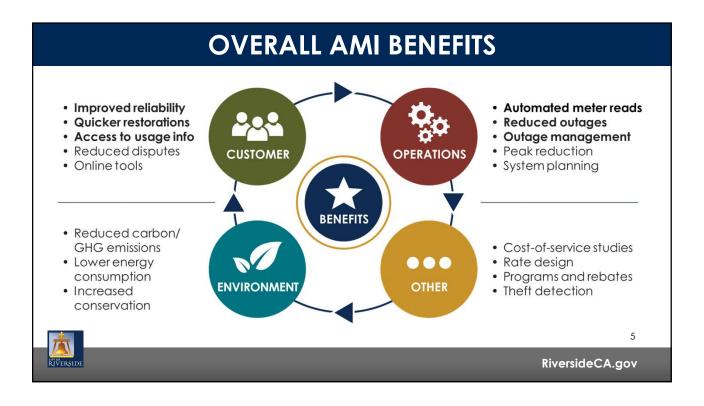
#### METER DATA MANAGEMENT SYSTEM

An MDMS validates, estimates and edits the meter data to ensure the data is accurately transferred to the Customer Information System (CIS) for billing.



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#### **RIVERSIDE'S PROGRAM APPROACH**

- 1. **Primary Goal**: maximize investment in existing ERT meters.
- **2. ERT Overlay**: install fixed network utilizing new AMI meters and collection devices to collect data from the existing meters, while providing new AMI functionality.
- **3. Phased Approach**: Alpha and Beta Proof-of-Concepts, before rolling out Full Implementation.
- **4. Best Practices**: utilize lessons learned from other utilities that have already implemented AMI.

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#### MAINTENANCE AND SUPPORT AGREEMENT

- 1. A Maintenance and Support Agreement is necessary to continue to maintain the licensing and technical support that Tantalus provides for the system.
- 2. Maintenance and Support Agreement with Tantalus
  - a. Annual renewal:
  - b. Initial licensing fee of \$135,046;
  - c. Future licensing fees guaranteed not to increase by more than 3.5%;
  - d. Future funding will be included as part of the biennial budget process for the respective budget years and with Board approval requested in the annual purchase order report.



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#### STRATEGIC PLAN ALIGNMENT

#### **Envision Riverside 2025 Strategic Plan Priorities**



🚻 No. 2 Community Well-Being



No. 4. Environmental Stewardship



🖄 No. 6. Infrastructure, Mobility & Connectivity

#### **Cross-Cutting Threads**



Community Trust







Equity



## **RECOMMENDATIONS**

#### That the Board of Public Utilities:

- 1. Approve the Maintenance and Support Agreement with Tantalus Systems, Inc., a Delaware Corporation, for continued use of the Electric Advanced Meter Infrastructure Head-End System with annual automatic renewals, initial cost for fiscal year 2021/22 is \$135,046; and
- 2. Authorize the City Manager, or designee, to execute the agreement, including making minor non-substantive changes, and to sign all documents and instruments necessary to complete the transactions.



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