Water Advanced Metering Infrastructure Implementation Program

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CITY OF DENTON

Overview of Advanced Metering Infrastructure (AMI)

AMI is an integrated system of smart meters, communication networks and data management systems that enables two-way communication between the utility and meter.

- Primary System Components include:
  - Solid State Meters
  - Endpoints (data transmitters)
  - Data Collection System
  - System Management
- Benefits:
  - Improves water utility metrics associated with water use
  - Allows Customers real time access to view their water usage
  - Ensures regulatory compliance
  - Eliminates manual meter reading efforts
  - Increases response time to leaks or unusual consumption patterns
  - Sustainability and Water conservation enhancements

Project Scope

- Implementation of city-wide smart meters, network connectivity and software.
  - Acquisition and installation of solid-state meters, endpoints, and boxes
  - Connectivity to cellular network for usage transmittal
  - Integration and support for Software systems necessary to operations and management
- Major Project Milestones
  - Proof of Concept
  - System Acceptance Testing
  - City-wide deployment

Estimated timeline of 2 years for project completion

Evaluation Process & Fiscal Considerations

- RFP issued to Ten prospective suppliers; advertised publicly
- Six proposals received
- Evaluation based on delivery capability, specification compliance, and price
- Fiscal impact:

Year 1	$6.6M	Year 7	$331K
Year 2	$13.9M	Year 8	$337K
Year 3-5	$954K	Year 9	$344K
Year 6	$325K	Year 10	$351K

- Additional contingency of approximately 12%
- Total contract value not to exceed $26M over ten years

Recommendation & Next Steps

Staff Recommendation:

- Award contract to Badger Meter, Inc.
- Contract Term: Five-year with five one-year renewals under the same terms and conditions

Next Steps: Council consideration and approval

QUESTIONS?