



CITY OF WHEATLAND

CITY COUNCIL MEETING STAFF REPORT

September 22, 2020

SUBJECT: Council discussion and consideration of Advanced Metering Infrastructure (AMI) Project, Phase 1 of the Wheatland Comprehensive Drinking Water Project, and adopt resolution authorizing the City Manager to execute contracts and change orders with Mueller Systems, LLC

PREPARED BY: Dane H. Schilling – City Engineer, and
Asa Utterback – Coastland Civil Engineering

Recommendation

Adopt Resolution No. 38-20 authorizing the City Manager to award contracts to Mueller Systems, LLC (Mueller) for the implementation of the Advanced Metering Infrastructure (AMI) Project in the amount of \$82,713.80, and to execute contract change orders not to exceed 15% of the contract amount.

Background/Discussion

With the support of the Yuba Water Agency (YWA), the City has been awarded a \$1.36 million grant through the Integrated Regional Water Management (IRWM) grant program, which includes fifty percent (50%) matching funds by YWA, for a Comprehensive Drinking Water Project. The Comprehensive Project will improve water system reliability; increase community awareness of water consumption; encourage sustainable water practices; and modernize the City's water supply system.

The Advanced Metering Infrastructure (AMI) Water System Metering Upgrade Project is Phase 1 of two phases defined within the Comprehensive Project. The AMI Water System Metering Upgrade Project accounts for \$964,695 of the \$1.38 million in awarded IRWM grant funding. The other project included within the grant is the Water System Reliability Project involving the elevated water tank, which has a programmed budget of \$400,000. Plans for delivery of that project will be brought to the Council at a later date.

The City has aging water meters and outdated meter reading software. The outdated infrastructure makes it difficult to quickly and accurately detect leaks; provides very limited information for water conservation measures; and creates on-going operational challenges which can be solved with available technology. Currently, individual service meters are read manually. Most consumer leaks go undetected until after several monthly reads, which results in substantial

water loss. The system-wide water meter automation upgrades will improve water conservation and system management capabilities significantly. Further, the new system will allow for automated data sharing of groundwater levels with Yuba Water Agency, which will enhance the groundwater sustainability monitoring efforts within the South Yuba Sub-Basin of which provides all of Wheatland's drinking water.

The AMI Project will install all new supply-side and demand-side meters, and implement systemwide water meter automation upgrades using advanced metering technology to fully automate meter reading, enable timely leak detection; provide consumers with data for consumption management, increase operational efficiencies and streamline the City's billing process.

On May 12, 2020, the City Council authorized the draft request for proposals (RFP) and specifications. After receiving direction from the City attorney, it was determined that due to California Public Contract Code, the contract for vendor and AMI system selection needed to be separated from the meter installation contract. The final RFP document was refined and the scope was reduced to exclude meter installations. The meter installations will be provided under a separate activity. The bid documents for the meter installations are currently being prepared and will be brought to City Council for approval at a later date.

City staff issued the final RFP (Attachment 2) on June 12, 2020, soliciting vendor engagement to provide the AMI system and installation of the AMI system components. Five (5) proposals were received on July 20th. A selection panel composed of qualified staff from the Cities of Wheatland, Lincoln, and Yuba City, as well as Coastland Civil Engineering was formed to review proposals. All five vendor teams were deemed well qualified, but three firms stood out as the most qualified. Those three firms, Badger Meter, Ferguson Waterworks/Neptune, and Mueller Systems, were interviewed on August 20th by a panel composed of City staff and the City's consulting project manager from Coastland Civil Engineering.

As a result of the interviews, Mueller was ranked by the panel as the highest-ranking vendor. Mueller's proposal and presentation stood out as providing the best combination of system capabilities; proposed installation and lifecycle costs; team qualifications; and ongoing support that is best suited to the City's needs. Mueller demonstrated that their system meets and exceeds the City's required capabilities for an AMI system and provides the ability to expand with growth of the City over the next twenty years.

City staff subsequently met with Mueller and the City Attorney to clarify and negotiate a refined scope, fee and contract language. The result involves two contracts with to Mueller, a consultant agreement and a software licensing agreement (Attachment 3). The contracts with Mueller provide the data collection system for the meter reading and guaranteed pricing for the selected meters. The purchase and installation of all new meters will be performed under a separate competitively bid and subsequent City Council action.

Staff has determined that no significant environmental impacts should occur as a result of this project and therefore the project is categorically exempt under CEQA.

Alternatives

Alternatively, the City Council may choose to not to authorize the vendor contract award and provide staff with further direction.

Fiscal Impact

On January 21, 2020, the Yuba Water Agency (YWA) awarded the City of Wheatland a \$700,000 grant for the City's Comprehensive Drinking Water Project as the local match to leverage an application to the State for additional grant funding. On April 29, 2020 the City was notified that its project had been selected for full funding from the Proposition 1 Round 1 Integrated Regional Water Management (IRWM) Implementation Grant in the amount of \$682,347 to bring the grant total to \$1,382,347 for the Comprehensive Drinking Water Project. The AMI Water System Metering Upgrade Project and upgrade of the billing software (a separate action) comprise the first phase of the overall project.

The current estimate of Phase 1 project funding and budgeted costs is provided in Tables 1 and 2 below.

Table 1 - Water Conservation & Efficiency (AMI Metering) Funding

Funding		Amount
Integrated Regional Water Management (IRWM) Grant	\$	482,347.50
Yuba Water Agency (YWA) Matching Grant	\$	482,347.50
	TOTAL	\$ 964,695.00

Table 2 - Water Conservation & Efficiency (AMI Metering) Budget

Expenditures		Amount
Project Management, Engineering and Environmental	\$	63,250
Installation / Implementation	\$	742,445
Construction Administration	\$	90,000
City Admin (Transition of billing software)	\$	23,000
City Finance Software Upgrade	\$	46,000
	TOTAL	\$ 964,695

Note: Budgeted amounts include a contingency.

Attachments

1. Resolution No. 38-20
2. Final Request for Proposals (RFP)
3. Contracts - Consultant Agreement and Software Licensing Agreement

RESOLUTION NO. 38-20

RESOLUTION OF THE CITY COUNCIL OF THE CITY OF WHEATLAND AUTHORIZING THE CITY MANAGER TO AWARD CONTRACTS TO MUELLER SYSTEMS, LLC FOR THE IMPLEMENTATION OF THE ADVANCED METERING INFRASTRUCTURE (AMI) PROJECT IN THE AMOUNT OF \$82,713.80 AND TO EXECUTE CONTRACT CHANGE ORDERS NOT TO EXCEED 15% OF THE CONTRACT AMOUNT

WHEREAS, City staff applied for and the City was awarded \$1,382,347 in funding through the combination of a Proposition 1 Integrated Regional Water Management (IRWM) grant and match funding from the Yuba Water Agency (YWA) for the Wheatland Comprehensive Drinking Water Project; and

WHEREAS, the Advanced Metering Infrastructure (AMI) Water System Metering Upgrade Project ("Project") is included in the Wheatland Comprehensive Drinking Water Project grant; and

WHEREAS, Staff has determined that no significant environmental impacts should occur as a result of this project and the project is categorically exempt under CEQA; and

WHEREAS, on May 12, 2020, City Council authorized staff to issue a Request for Proposals soliciting vendors for the Project;

WHEREAS, The City issued the Request for Proposals and five (5) proposals were received from: Badger Meter, Ferguson Waterworks/Neptune, Golden State Flow Measurement/Sensus, Mueller Systems LLC (Mueller), and Smart Earth Technologies; and

WHEREAS, The proposals were reviewed and ranked by a selection panel, consisting of qualified staff from the Cities of Wheatland, Lincoln, and Yuba City, as well as Coastland Civil Engineering, and the top three (3) ranked proposers: Badger, Ferguson Waterworks/Neptune, and Mueller were then interviewed by City staff and Coastland, and

WHEREAS, Staff selected Mueller as the top ranked proposer; and the scope, fee and terms of the contract were negotiated with Mueller under advisement of the City Attorney resulting in a consultant agreement and a software licensing agreement.

NOW, THEREFORE IT IS HEREBY RESOLVED, ORDERED AND FOUND by the City Council of City of Wheatland, State of California, hereby authorizes the City Manager to execute a consultant agreement and a software licensing agreement in the amount of \$82,713.80, and to execute contract change orders not to exceed 15% of the original contract amount with Mueller Systems, LLC for the implementation of the Advanced Metering Infrastructure (AMI) Project.

PASSED AND ADOPTED by the City Council of City of Wheatland, State of California this 22nd day of September 2020, by the following vote:

AYES:

NOES:

ABSTAIN:

ABSENT:

ATTEST:

Rick West, Mayor

Lisa Thomason, City Clerk

Request for Proposal
Advanced Metering Infrastructure
Project

City of Wheatland
Wheatland, CA
June 12, 2020

SUBMITTAL DUE DATE AND TIME:

July 22, 2020 3:00 pm

City of Wheatland

Attention: City Clerk

111 C Street, Wheatland, CA 95692

Mandatory Pre-Proposal Conference at City Hall (111 C Street)

June 30, 2020 10:00 am

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- Attachment F: Summary of Proposed Equipment/System and Alternatives with Technical and Functional Questions F-1

1.0 Project Summary

The City of Wheatland is located in California's Central Valley on the southern border of Yuba County, east of the Feather River, north of the Bear River, and 36 miles north of Sacramento on State Highway 65. Wheatland has an incorporated area of approximately 8.1 square miles with most of its developed area and existing water services focused in a 1.5 square mile area.

The City's existing water services are metered, but most of the meters are more than 15 years old with manual or touch-read systems. As part of this project the City of Wheatland will be replacing all existing water meters serving City connections and implementing a fixed network Advanced Meter Infrastructure (AMI) system on all connections served by the City. The key purposes of the system-wide water meter automation upgrades are to improve water conservation and water use efficiency significantly; improve system reliability; and reduce on-going operational costs.

The City of Wheatland provides water to 1,151 service connections composed of approximately 1,109 residential water meters and 42 commercial/industrial/landscape. Meters are generally located within front yards of residential connections, and behind walks in front of commercial connections. The City estimates that about 100 meters are located in driveways, approximately 25 of which will require plumbing modifications and new meter boxes. Maps of the City and its water system are included as Attachment A. The City also has supply meters located at five (5) different well sites. City supply wells are also shown in the City water system map in Attachment A. An address listing of water services with meter size is also included in Attachment B.

It is the intent of this RFP for the City of Wheatland to obtain proposals for selection of a single brand of water service meters and endpoints to be specified in the City's water system improvement standards, and for the turn-key installation of a single AMI system to serve all connections in the City, including training for city staff and customers for the respective interface portals provided. The meters and endpoints to be selected under this proposal process will be procured and installed under a separate contract. The meter audit included in this scope of work will be used to refine and adjust the installation work requirements to be performed by others.

The proposals shall include costs for the following equipment and services, as described in detail in **Attachment C** of this the RFP:

- 1a. Project Management and Mobilization
- 1b. Meter Audit
- 1c. CIS Data Gap Analysis and Coordination with Installation Contractor
2. Fixed Network AMI System
3. Hosting Services
- A1. Customer Portal (OPTIONAL)
- A2. Handheld Reading Devices (OPTIONAL)

Additionally, the proposals shall include:

- E1a-E1k. List pricing for proposed Water Meters
- E2. List pricing for proposed AMI Endpoints

Pricing information submitted will be used by the City along with submitted life expectancies/warranties to assess 20-year lifecycle costs of the proposed systems.

2.0 Scope of Work

The scope of work for this proposal is included in Attachment D.

3.0 Proposer Response Format

Proposers are advised to become thoroughly familiar with all conditions, instructions and specifications governing this RFP. Proposals shall be made in accordance with these instructions. Proposers shall bear their own costs and expenses in preparing their proposals, and this RFP does not commit the City to pay any costs incurred in the submission of a proposal or in making any necessary studies or designs for the preparation of this RFP. All questions must be answered in the order listed in this section and limit the number of pages to the requested page limit per each section. Minimum text height and spacing of body text for responses required in this proposal shall be 11 point with no compression of spacing. Product specification sheets and warranties should be submitted in appendices with the response as designated herein. Attendance at the pre-proposal conference is mandatory.

Submission will be made to:

**City of Wheatland
Attention: City Clerk
111 C Street
Wheatland, CA 95692**

Submit four bound copies and one electronic (pdf format) copy of the proposal via post (not email) no later than **3:00 pm on July 22, 2020.**

Questions about this Request for Proposal should be made in writing and e-mail to the Project Manager, Asa Utterback of Coastland Civil Engineering at autterback@coastlandcivil.com or mailed to **111 C Street, Wheatland, CA 95692**. All questions must be received by July 14, 2020. Questions via phone will not be accepted.

Tentative City Schedule:

RFP Issued	June 12, 2020
Mandatory Pre-Proposal Conference	June 30, 2020 at 10:00 am
Cutoff for Requests for Information	July 14, 2020 at 4:00 pm
Proposals Due	July 22, 2020 at 3:00 pm
Presentation/Interviews (tentative)	August 12, 2020
Selection and Negotiation	August-September
City Council Approval	September 22, 2020

The City reserves the right to modify this RFP at any time prior to the proposal due date, or to extend the proposal due date, or to cancel this RFP at any time.

3.1 Proposal

Proposals shall be submitted per the following format:

TABLE OF CONTENTS:

- Section 1: Cover Letter (2 page maximum)
The cover letter should include the following:
- Introduction of proposal firm
 - Address
 - Phone number
 - Include the name, signature and contact information of an authorized binding official who is authorized to answer questions regarding the firm's proposal.
 - Include the name of the manufacturer of the proposed AMI System and product name.
- Section 2: Summary of proposed equipment and system with answers to technical and functional questions following format of Attachment F. (Summary - 1-2 pages; Questions and answers - 10 page maximum)
- Section 3: Vendor/Contractor Project Team Experience and Qualifications. Provide company size, performance history, qualifications and experience information for each company involved as a key member, including but not limited to manufacturer and vendor. Information provided shall detail the number of units installed of the proposed products and years in service as relevant to the specifications in this RFP. (8 page maximum)
- Section 4: Provide an organizational chart of the project team committed to this project along with their role. Provide brief biographical resumes of key team members. (6 page maximum)
- Section 5: Project Schedule (2 page maximum, 11x17 pages allowed)
- Section 6: Complete description of proposed metering solution, including AMI system, and replacement meters. The proposed solution shall be consistent with the City's requirements as set forth in the Scope of Work attached to this RFP as Attachment D. Summarize items included as appendices to the proposal. (3 page maximum)
- Section 7: Cost Proposal. The cost proposal shall be broken down by individual items as specified in Attachment C. Table C1 is to be completed based on the Proposer's fee estimate to complete all items proposed. Table C1.1 is to be completed based on the current listing pricing for the proposed meters and endpoints, as applicable. Table C3 only needs to be filled in to the extent Proposer intends to offer the alternative material or service.

The City will use the submitted costs along with its own data to evaluate the 20-year life cycle costs of each proposal.

Section 8: **OPTIONAL ALTERNATIVE:** At proposer’s option, provide a summary of proposed **alternative** equipment and system with answers to technical and functional questions following format of Attachment F for separate consideration. (Summary - 1-2 pages; Questions and answers - 10 page maximum)

The following information shall be included as appendices to the proposal.

- Appendix A Product data/specification sheets for all AMI system components and metering products in proposal
- Appendix B Public agency references broken down in up to four categories (1-AMI System; 2-endpoint type; 3-mechanical meters; 4-ultrasonic or electromagnetic meters). Provide four references for each. Use of the same reference persons for multiple facets of the system is allowed and encouraged. References who cannot be readily contacted may result in a zero score for their part of the averaged scoring.
- Appendix C Warranties as they apply to each of the proposed items in Appendix A.

Proposals will be reviewed to determine if the Proposer meets the minimum qualifications necessary to complete the Scope of Services required for the Project. Proposals not meeting minimum qualifications will be disqualified from further consideration at the sole discretion of the City. The City may seek written clarification from any or all Proposers in order to better understand and evaluate the proposed metering solution. This process may not be used as an opportunity to submit missing documentation or to make substantive revisions to the original proposal.

The Proposer shall certify in the proposal that the Proposer takes no exceptions to this RFP, including but not limited to all of the attachments, or if exceptions are taken, clearly indicate in the proposal those exceptions taken. Unless otherwise indicated in its proposal, each Proposer shall be deemed to have accepted all such terms and conditions as may be specified in this RFP, the attachments and any and all addenda related thereto.

3.2 Presentation / Interview

Presentation/interviews are anticipated to occur on August 12, 2020. This date is subject to change. Up to three (3) top-ranked, qualified proposers will be selected to provide a 60- to 90-minute presentation of the proposed AMI system, including:

1. Operation and use of the City Operations portal,
2. Operation and use of the water customer portal,
3. Overview and example of the proposed training, and
4. Explanation of included software support services,

Team members required to be at the presentation are the proposed project manager and lead training person. Proposers may include other team members in the presentation at their discretion. After the presentation, the proposer’s team will be asked to respond to questions from the panel, as needed, regarding the presentation and the submitted proposal.

4.0 Selection Criteria

All proposals received will be reviewed and evaluated by a committee. This committee will assess the qualifications and select the proposers to be interviewed based upon the criteria and scoring.

Each of the technical categories will be evaluated to determine the best score by the following criteria. The review committee will make a recommendation to award the contract or contracts based on the criteria set forth below:

Evaluation criteria	Description	Approximate Weighted value (100 pt target)
Qualifications, Experience and History of Proposed Vendor Team	Size, qualifications and experience of proposed vendor and/or contractor. Demonstrate quantity and duration of proposed AMI water systems and meter equipment in use. Also show amount of installations performed by the proposed installation company.	20% / 20 points
Technical Requirements /System Capabilities	Degree to which proposed system addresses technical specifications, performance requirements, and desirable functions. Proposed solution must meet all of the RFP technical requirements. Preferred AMI and meter features and benefits will be scored higher. Features and benefits of water conservation and management tools provided are also of high value. Compatibility with the City's billing software will also be considered.	30% / 30 points
Reference Rating of Product Quality, Reliability, Ease of Use & Customer Service	Product quality, reliability, ease of use and customer service experienced and ranked by listed references and City. Listed references and City operations manager will be asked to rank the proposed products and services on a scale of 1 to 10 on a prescribed list of questions or qualities. The average value of their composite ranking will be multiplied by 2.	20% / 20 points
20-year Life Cycle Cost	The engineer's estimate will be divided by the total present value of the 20-year life cycle cost analysis. The result will be multiplied by 30 to determine the point value. Proposed costs totaling less than the Engineer's estimate will be worth more than 30 points.	30% / 30 points

Interviewed proposers will be scored separately for their interview by a panel of City staff. The panel members may differ from the proposal review committee. The proposer's score will be added to the score assigned by the proposal review committee to determine to final rankings.

Interview	Panel scoring of suitability of proposed AMI system components for City needs based on presentation and responses to questions	30 points
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The top ranked proposer, based upon the combined proposal and interview scoring, will be selected for contract negotiation of a contract based on the proposed scope. Upon successful negotiation of contract scope and fee, selected proposer will be recommended for contract approval by City Council. At City discretion, if agreement upon a suitable contract scope and fee is not reached with top ranked proposer, city may terminate negotiations and enter negotiations with the next highest ranked proposer.

The City reserves the right to reject any or all proposals and to waive any and all irregularities to choose the Proposer and may amend the scope of this RFP at any time, which the City believes, in its sole discretion, best serves the City's interest. The City expects to complete its evaluation process to select one or more qualified Proposers, but reserves the right to change key dates and actions as the need arises. The proposals received in response to this RFP will become the property of the City and may be used by the City in any way it deems appropriate. The City reserves the unqualified right to modify and/or suspend any and all aspects of the RFP, to request further information from any firm or person responding to the RFP, to waive any defect as to form or content of this RFP or any response thereto, to extend deadlines for accepting responses or accept amendments to responses after expiration of deadlines and to reject any and all responses to the RFP.

The selected Proposer shall be required to execute a contract with the City that will be subject to City Council approval. **The City anticipates City Council award of this contract at the September 22, 2020 meeting. This date is subject to change.** The contract will incorporate all legal requirements and provisions required for implementation of the metering solution. The City's standard Consultant contract is included as Attachment E and the City expects to use this form as the basis for the contract that it will negotiate and execute with the selected Proposer. Any exceptions to the contract form must be noted in the proposal.

5.0 Project Schedule

Following City Council approval of the contract, the first order of work will be completion of the meter audit for use by the City in finalizing the bid documents for the subsequent installation project by others. The City plans to start bid advertisement for the meter replacement and endpoint installation project within approximately eight (8) weeks of award of this contract for the AMI system. Proposer shall plan and schedule delivery of their AMI system installation, to the extent required, and services to coordinate with and be prepared for activation of new endpoint and meter installations starting within four months of receiving Notice To Proceed on this contract. The field installation work by others is anticipated to be completed within 4 continuous months after the beginning of field installation work.

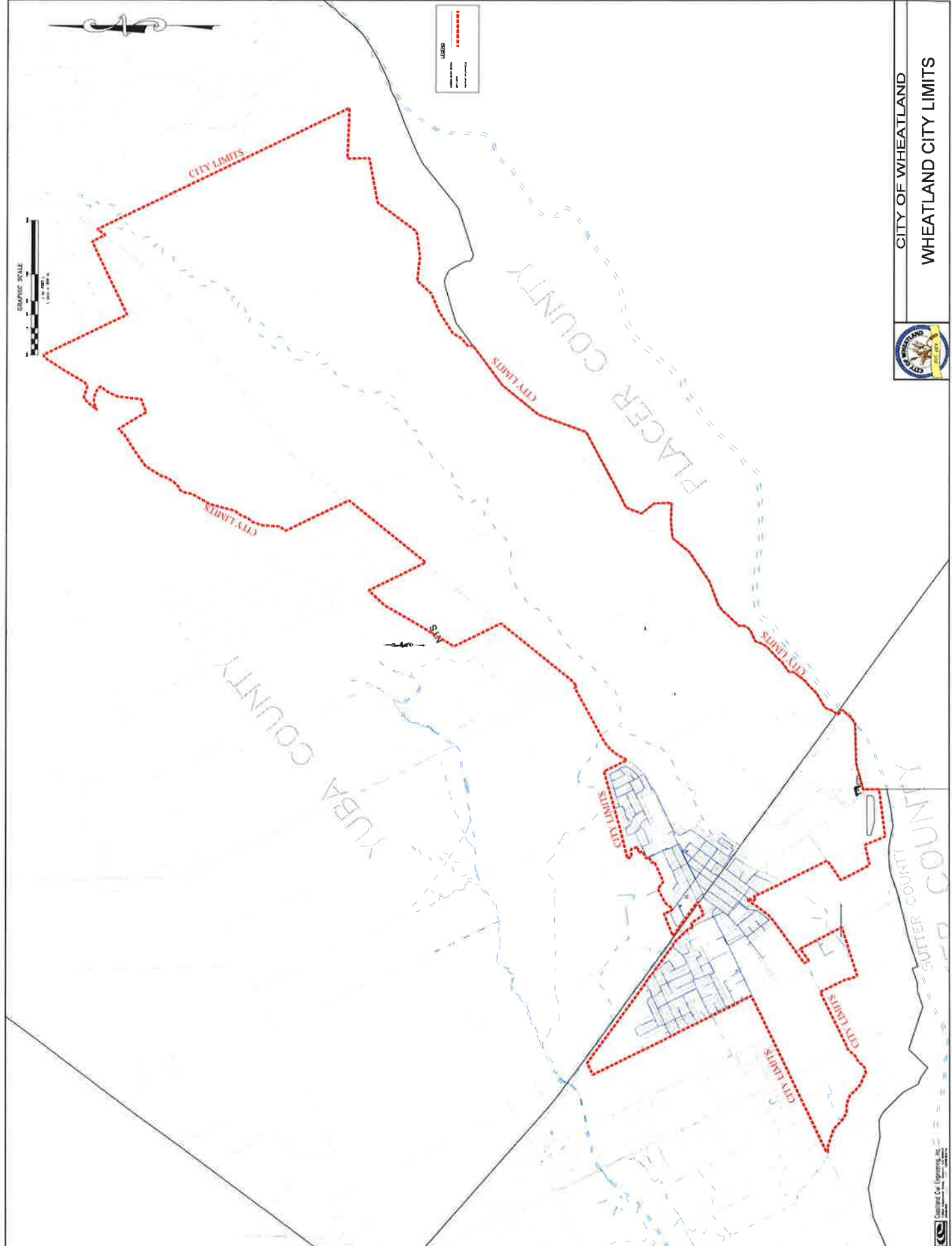
Proposer shall plan to coordinate with the installation contractor to accommodate delivery of meter change-out data according to timeframes needed by City to provide continuity of billing. Demonstrated ability to meet schedule requirements and coordinate with the installation contractor is part of the Technical Requirements scoring.

6.0 Proposal Response to Technical and Functional Questions

Provide a summary of proposed equipment/system according to the format and information requirements in Attachment F of this RFP. In Section 2 of the submittal, provide a complete response to all technical and functional questions that are detailed in Attachment F. All questions must be answered and the data given must be clear and comprehensive. Any references to “equipment being proposed,” “equipment,” etc. refers to the AMI system components and its operating software.

One alternative set of metering equipment may be submitted for ranking and consideration along with supporting information for the alternate equipment. Alternative, if submitted, shall be included as Section 8 of the proposal.

Attachment A: City Water System, Service Area, and Service Addresses



Attachment B: Existing City Water Services

Utility Billing - Address Information

**Active Accounts - Sorted by Location ID

Location ID	Cycle	Section	Read Seq #	ACTIVE ACCOUNTS
AND1-000094-0000-01	001	RT1	0000002830	94 ANDERSON WAY
AND1-000098-0000-01	001	RT1	0000002840	98 ANDERSON WAY
AND1-000099-0000-01	001	RT1	0000001000	99 ANDERSON WAY
AND1-000156-0000-01	001	RT1	0000002810	156 ANDERSON WAY
AND1-000158-0000-01	001	RT1	0000002800	158 ANDERSON WAY
AND1-000160-0000-02	001	RT1	0000002790	160 ANDERSON WAY
AND1-000161-PARK-00	001	RT1	0000001010	ANDERSON WAY #PARK
AND1-000162-0000-02	001	RT1	0000002780	162 ANDERSON WAY
AND1-000164-0000-02	001	RT1	0000002770	164 ANDERSON WAY
AND1-000166-0000-04	001	RT1	0000002760	166 ANDERSON WAY
AND1-000168-0000-01	001	RT1	0000002750	168 ANDERSON WAY
AND1-000169-0000-01	001	RT1	0000001020	169 ANDERSON WAY
AND1-000171-0000-01	001	001	0000001030	171 ANDERSON WAY
AND1-000172-0000-01	001	RT1	0000002730	172 ANDERSON WAY
AND1-000173-0000-01	001	RT1	0000001040	173 ANDERSON WAY
AND1-000174-0000-01	001	RT1	0000002720	174 ANDERSON WAY
AND1-000175-0000-01	001	RT1	0000001050	175 ANDERSON WAY
AND1-000176-0000-01	001	RT1	0000002710	176 ANDERSON WAY
AND1-000177-0000-01	001	001	0000001060	177 ANDERSON WAY
AND1-000178-0000-01	001	RT1	0000002700	178 ANDERSON WAY
AND1-000179-0000-01	001	RT1	0000001070	179 ANDERSON WAY
AND1-000180-0000-01	001	RT1	0000002690	180 ANDERSON WAY
AND1-000182-0000-01	001	RT1	0000002680	182 ANDERSON WAY
BLAC-000502-0000-01	001	RT5	0000012820	502 BLACKFORD CT
BLAC-000503-0000-03	001	001	0000012740	503 BLACKFORD CT
BLAC-000504-0000-01	001	RT5	0000012810	504 BLACKFORD CT
BLAC-000505-0000-01	001	RT5	0000012750	505 BLACKFORD CT
BLAC-000506-0000-01	001	RT5	0000012800	506 BLACKFORD CT
BLAC-000508-0000-02	001	RT5	0000012790	508 BLACKFORD CT
BLAC-000509-0000-02	001	RT5	0000012770	509 BLACKFORD CT
BOW1-000400-0000-01	001	RT5	0000010260	400 BOWERS WAY
BOW1-000402-0000-01	001	RT5	0000010250	402 BOWERS WAY
BOW1-000501-0000-01	001	001	0000012860	501 BOWERS WAY
BOW1-000503-0000-01	001	RT5	0000012870	503 BOWERS WAY
BOW1-000507-0000-01	001	RT5	0000012880	507 BOWERS WAY
BOW1-000600-0000-01	001	RT5	0000012910	600 BOWERS WAY
BOW1-000601-0000-02	001	RT5	0000009940	601 BOWERS WAY
BOW1-000602-0000-01	001	RT5	0000012900	602 BOWERS WAY
BOW1-000603-0000-01	001	RT5	0000009950	603 BOWERS WAY
BOW1-000700-0000-02	001	RT5	0000009930	700 BOWERS WAY
BOW1-000701-0000-01	001	RT5	0000009760	701 BOWERS WAY
BOW1-000702-0000-02	001	RT5	0000009920	702 BOWERS WAY
BOW1-000703-0000-01	001	RT5	0000009770	703 BOWERS WAY
BOW1-000704-0000-01	001	RT5	0000009910	704 BOWERS WAY
BOW1-000705-0000-01	001	RT5	0000009780	705 BOWERS WAY
BOW1-000707-0000-02	001	RT5	0000009790	707 BOWERS WAY
BOW1-000708-0000-01	001	RT5	0000009890	708 BOWERS WAY
BOW1-000709-0000-00	001	RT5	0000009800	709 BOWERS WAY
BOW1-000710-0000-01	001	RT5	0000000000	710 BOWERS WAY
BOW1-000711-0000-00	001	RT5	0000009810	711 BOWERS WAY
BOW1-000712-0000-00	001	RT5	0000009870	712 BOWERS WAY
BOW1-000713-0000-00	001	RT5	0000009820	713 BOWERS WAY
BOW1-000714-0000-00	001	RT5	0000009860	714 BOWERS WAY
BOW1-000715-0000-02	001	RT5	0000009830	715 BOWERS WAY
BOW1-000716-0000-00	001	RT5	0000009850	716 BOWERS WAY
BOW1-000717-0000-03	001	RT1	0000009840	717 BOWERS WAY

Location ID	Cycle	Section	Read Seq #	ACTIVE ACCOUNTS
BRO1-000097-0000-01	001	RT2	0000003380	97 BROCK DR
BRO1-000099-0000-01	001	RT2	0000003370	99 BROCK DR
BRO1-000100-0000-01	001	RT2	0000002860	100 BROCK DR
BRO1-000101-0000-01	001	RT2	0000003360	101 BROCK DR
BRO1-000102-0000-01	001	RT2	0000002870	102 BROCK DR
BRO1-000103-0000-00	001	RT2	0000003350	103 BROCK DR
BRO1-000104-0000-00	001	RT2	0000003200	104 BROCK DR
BRO1-000105-0000-02	001	RT2	0000003340	105 BROCK DR
BRO1-000106-0000-01	001	RT2	0000003210	106 BROCK DR
BRO1-000107-0000-00	001	RT2	0000003330	107 BROCK DR
BRO1-000108-0000-01	001	RT2	0000003220	108 BROCK DR
BRO1-000109-0000-00	001	RT2	0000003320	109 BROCK DR
BRO1-000110-0000-01	001	RT2	0000003230	110 BROCK DR
BRO1-000111-0000-01	001	RT2	0000003310	111 BROCK DR
BRO1-000112-0000-01	001	RT2	0000003240	112 BROCK DR
BRO1-000114-0000-01	001	RT2	0000003250	114 BROCK DR
BRO1-000115-0000-01	001	RT2	0000003290	115 BROCK DR
BRO1-000116-0000-01	001	RT2	0000003260	116 BROCK DR
BRO1-000117-0000-01	001	RT2	0000003280	117 BROCK DR
BRO1-000119-0000-01	001	RT2	0000003270	119 BROCK DR
BST1-000115-0000-03	001	RT3	0000004240	115 B ST
BST1-000301-0000-00	001	RT3	0000005530	301 B ST
BST1-000302-0000-01	001	RT3	0000005660	302 B ST
BST1-000305-0000-01	001	RT3	0000005520	305 B ST
BST1-000315-0000-01	001	RT3	0000005510	315 B ST
BST1-000510-0000-02	001	RT3	0000006040	510 B ST
BST1-000511-0000-00	001	RT3	0000006000	511 B ST
CAR1-000100-0000-01	001	RT2	0000002990	100 CARNEY CIR
CAR1-000102-0000-00	001	RT2	0000002980	102 CARNEY CIR
CAR1-000108-0000-01	001	RT2	0000002950	108 CARNEY CIR
CAR1-000109-0000-01	001	RT2	0000003110	109 CARNEY CIR
CAR1-000110-0000-01	001	RT2	0000002940	110 CARNEY CIR
CAR1-000111-0000-01	001	RT2	0000003120	111 CARNEY CIR
CAR1-000112-0000-01	001	RT2	0000002930	112 CARNEY CIR
CAR1-000113-0000-03	001	RT2	0000003130	113 CARNEY CIR
CAR1-000114-0000-01	001	RT2	0000002920	114 CARNEY CIR
CAR1-000116-0000-01	001	RT2	0000002910	116 CARNEY CIR
CAR1-000117-0000-02	001	001	0000003150	117 CARNEY CIR
CAR1-000118-0000-00	001	RT2	0000002900	118 CARNEY CIR
CAR1-000119-0000-03	001	RT2	0000003160	119 CARNEY CIR
CAR1-000120-0000-01	001	RT2	0000002890	120 CARNEY CIR
CAR1-000122-0000-01	001	RT2	0000002880	122 CARNEY CIR
CAR2-000500-0000-01	001	RT5	0000009470	500 CARPENTER CT
CAR2-000501-0000-01	001	RT5	0000009460	501 CARPENTER CT
CAR2-000502-0000-01	001	RT5	0000009480	502 CARPENTER CT
CAR2-000503-0000-01	001	RT5	0000009450	503 CARPENTER CT
CAR2-000504-0000-01	001	RT5	0000009490	504 CARPENTER CT
CAR2-000505-0000-01	001	RT5	0000009440	505 CARPENTER CT
CAR2-000506-0000-01	001	RT5	0000009500	506 CARPENTER CT
CAR2-000507-0000-01	001	RT5	0000009430	507 CARPENTER CT
CAR2-000508-0000-01	001	RT5	0000009510	508 CARPENTER CT
CAR2-000509-0000-01	001	RT5	0000009420	509 CARPENTER CT
CAR2-000510-0000-01	001	RT5	0000009520	510 CARPENTER CT
CAR3-000800-0000-01	001	RT5	0000011110	800 CARPENTER PL
CAR3-000801-0000-01	001	RT5	0000011200	801 CARPENTER PL
CAR3-000802-0000-01	001	RT5	0000011120	802 CARPENTER PL
CAR3-000803-0000-01	001	RT5	0000011190	803 CARPENTER PL
CAR3-000804-0000-01	001	001	0000011130	804 CARPENTER PL

Location ID	Cycle	Section	Read Seq #	ACTIVE ACCOUNTS
CAR3-000806-0000-01	001	RT5	0000011140	806 CARPENTER PL
CAR3-000807-0000-01	001	RT5	0000011170	807 CARPENTER PL
CAR3-000808-0000-01	001	RT5	0000011150	808 CARPENTER PL
CAR3-000809-0000-01	001	RT5	0000011160	809 CARPENTER PL
CARP-000511-0000-01	001	001	0000009410	511 CARPENTER WAY
CARP-000512-0000-01	001	RT5	0000009250	512 CARPENTER WAY
CARP-000513-0000-04	001	RT5	0000009400	513 CARPENTER WAY
CARP-000514-0000-01	001	RT5	0000009260	514 CARPENTER WAY
CARP-000515-0000-01	001	RT5	0000009390	515 CARPENTER WAY
CARP-000516-0000-01	001	RT5	0000009270	516 CARPENTER WAY
CARP-000517-0000-01	001	001	0000009380	517 CARPENTER WAY
CARP-000518-0000-01	001	RT5	0000009280	518 CARPENTER WAY
CARP-000519-0000-01	001	RT5	0000009370	519 CARPENTER WAY
CARP-000600-0000-01	001	RT4	0000009290	600 CARPENTER WAY
CARP-000601-0000-01	001	RT5	0000009360	601 CARPENTER WAY
CARP-000602-0000-01	001	RT5	0000009300	602 CARPENTER WAY
CARP-000603-0000-01	001	RT5	0000009350	603 CARPENTER WAY
CARP-000604-0000-01	001	RT5	0000009310	604 CARPENTER WAY
CARP-000605-0000-01	001	RT5	0000009340	605 CARPENTER WAY
CARP-000606-0000-01	001	RT5	0000009320	606 CARPENTER WAY
CARP-000607-0000-01	001	RT5	0000009330	607 CARPENTER WAY
CARP-000702-0000-00	001	RT5	0000010840	702 CARPENTER WAY
CARP-000703-0000-01	001	001	0000012130	703 CARPENTER WAY
CARP-000704-0000-01	001	001	0000010850	704 CARPENTER WAY
CARP-000705-0000-01	001	RT5	0000012120	705 CARPENTER WAY
CARP-000706-0000-01	001	RT5	0000010870	706 CARPENTER WAY
CARP-000707-0000-01	001	RT5	0000012110	707 CARPENTER WAY
CARP-000708-0000-01	001	RT5	0000010860	708 CARPENTER WAY
CARP-000709-0000-01	001	RT5	0000012100	709 CARPENTER WAY
CARP-000710-0000-01	001	RT5	0000010880	710 CARPENTER WAY
CARP-000711-0000-01	001	RT5	0000012090	711 CARPENTER WAY
CARP-000712-0000-01	001	RT5	0000010890	712 CARPENTER WAY
CARP-000713-0000-01	001	RT5	0000012080	713 CARPENTER WAY
CHA1-000600-0000-01	001	RT5	0000008990	600 CHANA WAY
CHA1-000601-0000-00	001	RT5	0000008810	601 CHANA WAY
CHA1-000602-0000-01	001	RT5	0000008980	602 CHANA WAY
CHA1-000603-0000-02	001	RT5	0000008820	603 CHANA WAY
CHA1-000604-0000-01	001	RT5	0000008970	604 CHANA WAY
CHA1-000605-0000-01	001	RT5	0000008830	605 CHANA WAY
CHA1-000606-0000-01	001	RT5	0000008960	606 CHANA WAY
CHA1-000607-0000-01	001	RT5	0000008840	607 CHANA WAY
CHA1-000608-0000-00	001	RT5	0000008950	608 CHANA WAY
CHA1-000609-0000-02	001	RT5	0000008850	609 CHANA WAY
CHA1-000610-0000-01	001	RT5	0000008940	610 CHANA WAY
CHA1-000611-0000-01	001	RT5	0000008860	611 CHANA WAY
CHA1-000612-0000-01	001	RT5	0000008930	612 CHANA WAY
CHA1-000613-0000-01	001	RT5	0000008870	613 CHANA WAY
CHA1-000614-0000-00	001	RT5	0000008920	614 CHANA WAY
CHA1-000615-0000-00	001	RT5	0000008880	615 CHANA WAY
CHA1-000616-0000-01	001	RT5	0000008910	616 CHANA WAY
CHA1-000617-0000-01	001	RT5	0000008890	617 CHANA WAY
CHA1-000619-0000-00	001	RT5	0000008900	619 CHANA WAY
COR -000105-0000-01	001	RT1	0000001530	105 CORBIN DR
COR -000107-0000-02	001	RT1	0000001520	107 CORBIN DR
COR -000109-0000-01	001	RT1	0000001510	109 CORBIN DR
COR -000111-0000-01	001	RT1	0000001500	111 CORBIN DR
COR -000113-0000-02	001	RT1	0000001490	113 CORBIN DR
COR -000115-0000-02	001	RT1	0000001480	115 CORBIN DR

Location ID	Cycle	Section	Read Seq #	ACTIVE ACCOUNTS
COR -000116-0000-01	001	RT1	000002230	116 CORBIN DR
COR -000117-0000-02	001	RT1	000001470	117 CORBIN DR
COR -000118-0000-03	001	RT1	000002240	118 CORBIN DR
COR -000120-0000-01	001	RT1	000002250	120 CORBIN DR
CST1-000101-0000-01	001	RT3	000000000	101 C ST
CST1-000102-0000-01	001	RT3	0000004140	102 C ST
CST1-000103-0000-01	001	RT3	0000004000	103 C ST
CST1-000104-0000-01	001	RT3	0000004130	104 C ST
CST1-000105-0000-01	001	RT3	0000000000	105 C ST
CST1-000106-0000-02	001	RT3	0000004120	106 C ST
CST1-000107-0IRR-01	001	RT3	0000000000	107 C ST
CST1-000108-0000-01	001	RT3	0000004110	108 C ST
CST1-000110-0000-01	001	RT3	0000004100	110 C ST
CST1-000111-0000-00	001	001	0000000000	111 C ST
CST1-000112-0IRR-01	001	RT3	0000004090	112 C ST
CST1-000114-0000-01	001	RT3	0000004080	114 C ST
CST1-000116-0000-00	001	RT3	0000004070	116 C ST
CST1-000201-0000-01	001	RT3	0000005270	201 C ST
CST1-000210-0000-01	001	RT3	0000005370	210 C ST
CST1-000411-0000-02	001	RT3	0000006530	411 C ST
CST1-000413-0000-01	001	RT3	0000006520	413 C ST
CST1-000414-0000-00	001	RT3	0000006540	414 C ST
CST1-000515-0000-01	001	RT3	0000005920	515 C ST
CST1-000602-0000-01	001	RT3	0000005830	602 C ST
CST1-000603-0000-01	001	RT3	0000005840	603 C ST
CYR1-000101-0000-01	001	RT2	0000003000	101 CYRUS DAM DR
CYR1-000103-0000-00	001	RT2	0000003010	103 CYRUS DAM DR
CYR1-000104-0000-01	001	RT2	0000003100	104 CYRUS DAM DR
CYR1-000105-0000-01	001	RT2	0000003020	105 CYRUS DAM DR
CYR1-000106-0000-01	001	RT2	0000003090	106 CYRUS DAM DR
CYR1-000107-0000-00	001	RT2	0000003030	107 CYRUS DAM DR
CYR1-000109-0000-00	001	RT2	0000003040	109 CYRUS DAM DR
CYR1-000110-0000-00	001	RT2	0000003070	110 CYRUS DAM DR
CYR1-000111-0000-01	001	RT2	0000003050	111 CYRUS DAM DR
CYR1-000112-0000-01	001	RT2	0000003060	112 CYRUS DAM DR
CYR1-000113-0000-01	001	RT2	0000003190	113 CYRUS DAM DR
CYR1-000114-0000-01	001	RT2	0000003180	114 CYRUS DAM DR
DON1-000400-0000-01	001	RT5	0000010180	400 DONNER CT
DON1-000401-0000-01	001	RT5	0000010190	401 DONNER CT
DON1-000402-0000-01	001	RT5	0000010170	402 DONNER CT
DON1-000403-0000-01	001	RT5	0000010200	403 DONNER CT
DON1-000404-0000-01	001	RT5	0000010160	404 DONNER CT
DON1-000405-0000-01	001	001	0000010210	405 DONNER CT
DST1-000098-0000-01	001	RT3	0000005120	98 D ST
DST1-000100-0000-01	001	RT3	0000005160	100 D ST
DST1-000100-0SWR-01	001	RT3	0000000000	100 D ST #1
DST1-000105-0000-00	001	RT4	0000007530	105 D ST
DST1-000109-0000-01	001	RT4	0000007520	109 D ST
DST1-000111-0000-03	001	RT4	0000008190	111 D ST
DST1-000114-0000-01	001	RT3	0000005110	114 D ST
DST1-000119-0000-01	001	RT4	0000007430	119 D ST
DST1-000121-0000-01	001	RT4	0000007440	121 D ST
DST1-000200-0000-01	001	RT3	0000005100	200 D ST
DST1-000201-0000-01	001	RT4	0000008200	201 D ST
DST1-000415-0000-01	001	RT4	0000008550	415 D ST
DST1-000506-0000-00	001	RT3	0000006340	506 D ST
EST1-000209-0000-01	001	RT4	0000008150	209 E ST
EST1-000211-0000-01	001	RT4	0000008140	211 E ST

Location ID	Cycle	Section	Read Seq #	ACTIVE ACCOUNTS
EST1-000213-0000-01	001	RT4	0000008130	213 E ST
EST1-000215-0000-01	001	RT4	0000008120	215 E ST
EST1-000300-0000-00	001	RT4	0000008370	300 E ST
EST1-000301-0000-01	001	RT4	0000006920	301 E ST
EST1-000305-MULT-01	001	RT4	0000006910	305 E ST #MULT
EST1-000409-0000-01	001	RT4	0000006840	409 E ST
EST1-000505-0000-01	001	RT4	0000006740	505 E ST
EVE1-000000-0000-01	001	RT5	0000000000	EVERGREEN DR
EVE1-000506-0A/B-01	001	RT5	0000011900	506 EVERGREEN DR # A/B
EVE1-000507-0A/B-01	001	RT5	0000011880	507 EVERGREEN DR # A/B
EVE1-000508-0A/B-01	001	RT5	0000011920	508 EVERGREEN DR # A/B
EVE1-000509-0A/B-01	001	RT5	0000011870	509 EVERGREEN DR # A/B
EVE1-000510-0A/B-01	001	RT5	0000011930	510 EVERGREEN DR # A/B
EVE1-000512-0A/B-01	001	RT5	0000011940	512 EVERGREEN DR # A/B
EVE1-000513-0A/B-01	001	RT5	0000011860	513 EVERGREEN DR # A/B
EVE1-000602-0A/B-01	001	RT5	0000011970	602 EVERGREEN DR # A/B
EVE1-000603-0A/B-01	001	RT5	0000011830	603 EVERGREEN DR # A/B
EVE1-000604-0A/B-01	001	RT5	0000011980	604 EVERGREEN DR # A/B
EVE1-000605-0A/B-01	001	RT5	0000011820	605 EVERGREEN DR # A/B
EVE1-000606-0A/B-01	001	RT5	0000011990	606 EVERGREEN DR # A/B
EVE1-000607-0A/B-01	001	RT5	0000011810	607 EVERGREEN DR # A/B
EVE1-000609-0A/B-01	001	RT5	0000011800	609 EVERGREEN DR # A/B
EVE1-000611-0A/B-01	001	RT5	0000011790	611 EVERGREEN DR # A/B
EVE1-000701-0A/B-01	001	RT5	0000011780	701 EVERGREEN DR # A/B
EVE1-000702-0A/B-01	001	RT5	0000012020	702 EVERGREEN DR # A/B
EVE1-000703-0A/B-01	001	RT5	0000011770	703 EVERGREEN DR # A/B
EVE1-000704-0A/B-01	001	RT5	0000012030	704 EVERGREEN DR # A/B
EVE1-000705-0A/B-01	001	RT5	0000011760	705 EVERGREEN DR # A/B
EVE1-000706-0A/B-01	001	RT5	0000012040	706 EVERGREEN DR # A/B
EVE1-000707-000A-01	001	RT5	0000011750	707 EVERGREEN DR # A
EVE1-000708-0A/B-01	001	RT5	0000012050	708 EVERGREEN DR # A/B
EVE1-000709-0A/B-01	001	RT5	0000011740	709 EVERGREEN DR # A/B
EVE1-000710-0A/B-01	001	RT5	0000012060	710 EVERGREEN DR # A/B
EVE1-000711-0A/B-01	001	RT5	0000011730	711 EVERGREEN DR # A/B
EVE1-000713-0A/B-01	001	RT5	0000011720	713 EVERGREEN DR #A/B
EVE1-000801-0A/B-01	001	RT5	0000011310	801 EVERGREEN DR # A/B
EVE1-000802-0A/B-01	001	RT5	0000011220	802 EVERGREEN DR # A/B
EVE1-000803-0A/B-01	001	RT5	0000011300	803 EVERGREEN DR # A/B
EVE1-000804-0A/B-01	001	RT5	0000011230	804 EVERGREEN DR # A/B
EVE1-000806-0A/B-01	001	RT5	0000011240	806 EVERGREEN DR # A/B
EVE1-000808-0A/B-01	001	RT5	0000011250	808 EVERGREEN DR # A/B
EVE1-000810-0A/B-01	001	RT5	0000011260	810 EVERGREEN DR # A/B
FIR1-000502-0000-03	001	RT3	0000005130	502 FIRST ST
FIR1-000504-0000-01	001	RT3	0000005140	504 FIRST ST
FIR1-000508-0000-01	001	001	0000005150	508 FIRST ST
FIR1-000601-0000-02	001	RT4	0000007510	601 FIRST ST
FIR1-000604-0000-01	001	001	0000007540	604 FIRST ST
FIR1-000606-0000-00	001	RT4	0000007550	606 FIRST ST
FIR1-000608-000A-00	001	001	0000000000	608-A FIRST ST
FIR1-000608-000B-01	001	RT4	0000007560	608-B FIRST ST
FIR1-000610-0000-00	001	RT4	0000007570	610 FIRST ST
FIR1-000612-0000-01	001	RT3	0000007580	612 FIRST ST
FIR1-000614-0000-00	001	RT4	0000007590	614 FIRST ST
FIR1-000615-0000-03	001	RT4	0000007310	615 FIRST ST
FIR1-000701-0000-02	001	RT4	0000007300	701 FIRST ST
FIR1-000707-0000-00	001	RT4	0000007290	707 FIRST ST
FIR1-000801-0000-01	001	RT4	0000007280	801 FIRST ST-LOCKED
FIR1-000803-0000-01	001	RT4	0000007270	803 FIRST ST

Location ID	Cycle	Section	Read Seq #	ACTIVE ACCOUNTS
FIR1-000813-0000-01	001	RT4	000007360	813 FIRST ST
FOU1-000207-0000-01	001	RT3	0000005630	207 FOURTH ST
FOU1-000208-0000-01	001	RT3	0000004450	208 FOURTH ST
FOU1-000208-NBLD-00	001	RT3	0000004460	208 FOURTH ST
FOU1-000209-0A/B-00	001	RT3	0000005640	209 FOURTH ST A/B
FOU1-000210-0000-01	001	RT3	0000004470	210 FOURTH ST
FOU1-000214-0000-02	001	RT3	0000004480	214 FOURTH ST
FOU1-000215-0000-01	001	RT3	0000005670	215 FOURTH ST-LOCKED
FOU1-000300-0000-00	001	RT3	0000004490	300 FOURTH ST
FOU1-000302-0000-00	001	RT3	0000004500	302 FOURTH ST
FOU1-000304-0A/B-00	001	RT3	0000004510	304 FOURTH ST
FOU1-000305-0000-01	001	RT3	0000005500	305 FOURTH ST
FOU1-000306-0000-02	001	RT3	0000004520	306 FOURTH ST
FOU1-000307-0000-04	001	RT2	0000005490	307 FOURTH ST
FOU1-000308-0000-00	001	RT3	0000004530	308 FOURTH ST
FOU1-000309-0000-01	001	RT3	0000005480	309 FOURTH ST
FOU1-000310-0000-01	001	RT3	0000004540	310 FOURTH ST
FOU1-000312-0000-01	001	RT3	0000004550	312 FOURTH ST
FOU1-000313-0000-00	001	RT3	0000005470	313 FOURTH ST
FOU1-000314-0000-01	001	RT3	0000004560	314 FOURTH ST
FOU1-000315-0000-02	001	RT3	0000005460	315 FOURTH ST
FOU1-000400-0000-01	001	RT3	0000004570	400 FOURTH ST
FOU1-000401-0000-01	001	RT3	0000004780	401 FOURTH ST
FOU1-000404-0000-01	001	RT3	0000004580	404 FOURTH ST
FOU1-000405-0000-00	001	RT3	0000004770	405 FOURTH ST
FOU1-000407-0000-02	001	RT3	0000004760	407 FOURTH ST
FOU1-000408-0000-00	001	001	0000000000	408 FOURTH ST & 400 FRONT ST
FOU1-000411-0000-02	001	001	0000004750	411 FOURTH ST
FOU1-000419-0000-03	001	RT3	0000004730	419 FOURTH ST
FOU1-000500-0A/B-03	001	RT3	0000004590	500 FOURTH ST # A/B
FOU1-000501-0000-02	001	RT3	0000004720	501 FOURTH ST
FOU1-000502-0000-01	001	RT3	0000004600	502 FOURTH ST
FOU1-000503-0000-02	001	RT3	0000004710	503 FOURTH ST
FOU1-000505-0000-00	001	RT3	0000004700	505 FOURTH ST
FOU1-000506-0000-03	001	RT3	0000004610	506 FOURTH ST
FOU1-000508-0000-03	001	RT3	0000004620	508 FOURTH ST
FOU1-000509-0000-01	001	RT3	0000004690	509 FOURTH ST
FOU1-000510-0000-00	001	RT3	0000004630	510 FOURTH ST
FOU1-000511-0000-01	001	001	0000004680	511 FOURTH ST
FOU1-000512-0000-00	001	RT3	0000004640	512 FOURTH ST
FOU1-000513-0000-03	001	RT3	0000004670	513 FOURTH ST
FOU1-000514-0000-01	001	RT3	0000004650	514 FOURTH ST
FOU1-000515-0000-01	001	RT3	0000004660	515 FOURTH ST
FOU1-000602-0000-01	001	RT4	0000008460	602 FOURTH ST
FOU1-000603-0000-00	001	RT4	0000008440	603 FOURTH ST
FOU1-000605-0000-01	001	RT4	0000008430	605 FOURTH ST
FOU1-000607-0000-04	001	001	0000008420	607 FOURTH ST
FOU1-000608-0000-01	001	RT4	0000008470	608 FOURTH ST
FOU1-000609-0000-00	001	RT4	0000008410	609 FOURTH ST
FOU1-000610-0000-02	001	RT4	0000008480	610 FOURTH ST
FOU1-000611-0000-01	001	RT4	0000008400	611 FOURTH ST
FOU1-000612-0000-01	001	RT4	0000008490	612 FOURTH ST
FOU1-000614-0000-00	001	RT4	0000008500	614 FOURTH ST
FOU1-000615-0000-01	001	RT4	0000008380	615 FOURTH ST
FOU1-000700-0000-00	001	001	0000006850	700 FOURTH ST
FOU1-000701-0000-00	001	RT4	0000006900	701 FOURTH ST
FOU1-000702-0000-02	001	RT4	0000006860	702 FOURTH ST
FOU1-000707-0000-01	001	RT4	0000006890	707 FOURTH ST

Location ID	Cycle	Section	Read Seq #	ACTIVE ACCOUNTS
FOU1-000708-0000-00	001	RT4	000006870	708 FOURTH ST
FOU1-000709-0A/B-03	001	RT4	000006880	709 FOURTH ST # A/B
FRA1-000904-0000-00	001	RT4	000007700	904 FRASER CT
FRA1-000905-0000-01	001	RT4	000007690	905 FRASER CT
FRA1-000906-0000-01	001	RT4	000007710	906 FRASER CT
FRA1-000907-0000-01	001	RT4	000007680	907 FRASER CT
FRA1-000908-0000-01	001	RT4	000007720	908 FRASER CT
FRA1-000909-0000-00	001	RT4	000007670	909 FRASER CT
FRA1-000910-0000-02	001	RT4	000007730	910 FRASER CT
FRA1-000911-0000-03	001	RT4	000007660	911 FRASER CT
FRO1-000401-PARK-01	001	RT3	000000000	401 FRONT ST
FRO1-000404-0000-01	001	001	000006480	404 FRONT ST-LOCKED
FRO1-000410-0000-01	001	RT3	000006470	410 FRONT ST
FRO1-000412-0000-02	001	001	000006460	412 FRONT ST-LOCKED
FRO1-000414-0000-02	001	RT3	000006450	414 FRONT ST
FRO1-000418-0000-02	001	001	000006440	418 FRONT ST
FRO1-000420-0000-00	001	RT3	000006430	420 FRONT ST
FRO1-000424-0000-01	001	001	000006420	424 FRONT ST-LOCKED
FST1-000100-0000-01	001	RT4	000008020	100 F ST
FST1-000101-0000-01	001	RT4	000008010	101 F ST
FST1-000111-0000-01	001	RT4	000008000	111 F ST
FST1-000120-0000-00	001	001	000008030	120 F ST
FST1-000121-0000-00	001	001	000007990	121 F ST
FST1-000140-0000-03	001	RT4	000008040	140 F ST
FST1-000141-0000-01	001	RT4	000007980	141 F ST
FST1-000160-0000-00	001	RT4	000008050	160 F ST
FST1-000161-0000-01	001	RT4	000007970	161 F ST
FST1-000180-0000-01	001	RT4	000008060	180 F ST
FST1-000181-0000-01	001	RT4	000007960	181 F ST
FST1-000200-0000-01	001	RT4	000008070	200 F ST
FST1-000201-0000-01	001	RT4	000007950	201 F ST
FST1-000220-0000-01	001	RT4	000008080	220 F ST
FST1-000221-0000-00	001	RT4	000007940	221 F ST
FST1-000240-0000-01	001	RT4	000008090	240 F ST
FST1-000241-0000-01	001	001	000007930	241 F ST
FST1-000261-0000-01	001	RT4	000007920	261 F ST
FST1-000281-0000-00	001	RT4	000007910	281 F ST
GRIF-000700-0000-02	001	RT5	0000010270	700 GRIFFITH WAY
GRIF-000703-0000-01	001	RT5	0000012850	703 GRIFFITH WAY
GRIF-000704-0000-01	001	RT5	0000010280	704 GRIFFITH WAY
GRIF-000705-0000-01	001	RT5	0000012840	705 GRIFFITH WAY
GRIF-000706-0000-01	001	RT5	0000010290	706 GRIFFITH WAY
GRIF-000707-0000-02	001	RT5	0000012830	707 GRIFFITH WAY
GRIF-000708-0000-01	001	RT5	0000010300	708 GRIFFITH WAY
GRIF-000800-0000-01	001	RT5	0000010310	800 GRIFFITH WAY
GRIF-000801-0000-01	001	001	0000012730	801 GRIFFITH WAY
GRIF-000802-0000-01	001	RT5	0000010320	802 GRIFFITH WAY
GRIF-000803-0000-01	001	RT5	0000012720	803 GRIFFITH WAY
GRIF-000804-0000-01	001	RT5	0000010330	804 GRIFFITH WAY
GRIF-000805-0000-01	001	RT5	0000012710	805 GRIFFITH WAY
GRIF-000806-0000-01	001	RT5	0000010340	806 GRIFFITH WAY
GRIF-000807-0000-01	001	RT5	0000012700	807 GRIFFITH WAY
GRIF-000808-0000-01	001	RT5	0000010350	808 GRIFFITH WAY
GRIF-000809-0000-01	001	RT5	0000012690	809 GRIFFITH WAY
GRIF-000810-0000-01	001	RT5	0000010360	810 GRIFFITH WAY
GRIF-000811-0000-01	001	RT5	0000012680	811 GRIFFITH WAY
GRIF-000812-0000-01	001	RT5	0000010370	812 GRIFFITH WAY
GRIF-000814-0000-02	001	RT5	0000010380	814 GRIFFITH WAY

Location ID	Cycle	Section	Read Seq #	ACTIVE ACCOUNTS
GRIF-000815-0000-01	001	RT5	0000012660	815 GRIFFITH WAY
GRIF-000816-0000-01	001	RT5	0000010390	816 GRIFFITH WAY
GRIF-000817-0000-02	001	RT5	0000012650	817 GRIFFITH WAY
GRIF-000818-0000-01	001	RT5	0000010400	818 GRIFFITH WAY
GRIF-000819-0000-01	001	RT5	0000012640	819 GRIFFITH WAY
GRIF-000820-0000-01	001	RT5	0000010410	820 GRIFFITH WAY
GRIF-000821-0000-02	001	RT5	0000012630	821 GRIFFITH WAY
GRIF-000822-0000-01	001	001	0000010420	822 GRIFFITH WAY
GRIF-000823-0000-01	001	RT5	0000012620	823 GRIFFITH WAY
GRIF-000824-0000-01	001	001	0000010430	824 GRIFFITH WAY
GRIF-000825-0000-01	001	RT5	0000012610	825 GRIFFITH WAY
GRIF-000826-0000-01	001	RT5	0000010440	826 GRIFFITH WAY
GST-000106-0000-01	001	RT4	0000007640	106 G ST
GST-000111-0000-02	001	RT4	0000007210	111 G ST
GST-000120-0000-01	001	RT4	0000007650	120 G ST
GST-000121-0000-00	001	RT4	0000007200	121 G ST
GST-000141-0000-02	001	RT4	0000007190	141 G ST
GST-000170-0000-00	001	RT4	0000007740	170 G ST
GST-000181-0000-01	001	RT4	0000007170	181 G ST
GST-000185-0000-01	001	RT4	0000007160	185 G ST
GST-000199-0000-01	001	RT4	0000007150	199 G ST
GST-000213-0000-01	001	001	0000007140	213 G ST
GST-000227-0000-01	001	RT4	0000007130	227 G ST
GST-000230-0000-00	001	RT4	0000007830	230 G ST
GST-000240-0000-01	001	RT4	0000007840	240 G ST
GST-000241-0000-01	001	RT4	0000007120	241 G ST
GST-000255-0000-01	001	RT4	0000007110	255 G ST
GST-000260-0000-01	001	RT4	0000007850	260 G ST
GST-000269-0000-01	001	RT4	0000007100	269 G ST
GST-000280-0000-00	001	RT4	0000007860	280 G ST
GST-000283-0000-00	001	RT4	0000007090	283 G ST
GST-000301-0000-01	001	RT4	0000007080	301 G ST
GST-000315-0000-03	001	RT4	0000007070	315 G ST
HAM1-000500-0000-01	001	RT5	0000008780	500 HAMON CT
HAM1-000501-0000-02	001	RT5	0000008630	501 HAMON CT
HAM1-000502-0000-01	001	RT5	0000008770	502 HAMON CT
HAM1-000503-0000-01	001	RT5	0000008640	503 HAMON CT
HAM1-000504-0000-01	001	RT5	0000008760	504 HAMON CT
HAM1-000505-0000-00	001	RT5	0000008650	505 HAMON CT
HAM1-000506-0000-01	001	RT5	0000008750	506 HAMON CT
HAM1-000507-0000-01	001	RT5	0000008660	507 HAMON CT
HAM1-000508-0000-01	001	RT5	0000008740	508 HAMON CT
HAM1-000509-0000-00	001	RT5	0000008670	509 HAMON CT
HAM1-000510-0000-00	001	RT5	0000008730	510 HAMON CT
HAM1-000511-0000-01	001	RT5	0000008680	511 HAMON CT
HAM1-000512-0000-01	001	RT5	0000008720	512 HAMON CT
HAM1-000513-0000-01	001	RT5	0000008690	513 HAMON CT
HAM1-000514-0000-03	001	RT5	0000008710	514 HAMON CT
HAM1-000516-0000-00	001	RT5	0000008700	516 HAMON CT
HAR1-000000-IRRI-01	001	RT5	0000010690	HARDING PL #IRRI
HAR1-000701-0000-01	001	RT5	0000010770	701 HARDING PL
HAR1-000703-0000-01	001	RT5	0000010760	703 HARDING PL
HAR1-000705-0000-01	001	RT5	0000010750	705 HARDING PL
HAR1-000707-0000-02	001	RT5	0000010740	707 HARDING PL
HAR1-000708-0000-01	001	RT5	0000010540	708 HARDING PL
HAR1-000709-0000-01	001	001	0000010730	709 HARDING PL
HAR1-000710-0000-01	001	RT5	0000010550	710 HARDING PL
HAR1-000711-0000-01	001	RT5	0000010720	711 HARDING PL

Location ID	Cycle	Section	Read Seq #	ACTIVE ACCOUNTS
HAR1-000712-0000-02	001	001	0000010560	712 HARDING PL
HAR1-000713-0000-01	001	001	0000010710	713 HARDING PL
HAR1-000714-0000-01	001	RT5	0000010570	714 HARDING PL
HAR1-000716-0000-01	001	RT5	0000010580	716 HARDING PL
HAR1-000800-0000-01	001	001	0000010590	800 HARDING PL
HAR1-000801-0000-01	001	001	0000010680	801 HARDING PL
HAR1-000802-0000-01	001	RT5	0000010600	802 HARDING PL
HAR1-000803-0000-01	001	RT5	0000010670	803 HARDING PL
HAR1-000804-0000-02	001	RT5	0000010610	804 HARDING PL
HAR1-000805-0000-01	001	RT5	0000010660	805 HARDING PL
HAR1-000806-0000-01	001	RT5	0000010620	806 HARDING PL
HAR1-000807-0000-01	001	RT5	0000010650	807 HARDING PL
HAR1-000808-0000-01	001	RT5	0000010630	808 HARDING PL
HAR1-000809-0000-01	001	RT5	0000010640	809 HARDING PL
HIG1-001912-0150-00	001	001	0000000000	1912 STATE HIGHWAY 65 # 150
HIG1-001912-0170-00	001	001	0000000000	1912 STATE HIGHWAY 65 #170
HIG1-001912-0180-00	001	001	0000000000	1912 STATE HIGHWAY 65 #180
HIG1-001912-0200-00	001	001	0000000000	1912 STATE HIGHWAY 65 #200
HIG1-001912-0210-00	001	001	0000000000	1912 STATE HIGHWAY 65 #210
HIG1-001912-0220-00	001	001	0000000000	1912 STATE HIGHWAY 65 #220
HIG1-001912-0230-00	001	RT5	0000000000	1912 STATE HIGHWAY 65 #230
HIG1-001912-0240-00	001	001	0000000000	1912 STATE HIGHWAY 65 #240
HIG1-001912-0IRR-00	001	RT5	0000000000	1912 STATE HIGHWAY 65 #IRR
HIG1-001912-1920-00	001	RT5	0000000000	1912 STATE HIGHWAY 65
HIG1-001916-0000-01	001	001	0000000000	1916 STATE HIGHWAY 65
HIG1-001916-0IRR-00	001	001	0000000000	1916 STATE HIGHWAY 65-IRR
HIG1-001920-0110-00	001	001	0000000000	1920 STATE HIGHWAY 65 #110
HIG1-001920-0140-00	001	001	0000000000	1920 STATE HIGHWAY 65 #140
HIG1-001920-0150-00	001	001	0000000000	1920 STATE HIGHWAY 65 #150
HIG1-001920-0170-00	001	RT5	0000000000	1920 STATE HIGHWAY 65 #170
HIG1-001920-0230-00	001	001	0000000000	1920 STATE HIGHWAY 65 #230
HIG1-001946-0000-01	001	001	0000011890	1946 HIGHWAY 65
HIG1-001995-0000-02	001	RT4	0000007450	1995 HIGHWAY 65
HOL1-000904-0000-01	001	RT4	0000007800	904 HOLLAND CT
HOL1-000905-0000-01	001	RT4	0000007790	905 HOLLAND CT
HOL1-000906-0000-01	001	RT4	0000007810	906 HOLLAND CT
HOL1-000907-0000-01	001	RT4	0000007780	907 HOLLAND CT
HOL1-000908-0000-01	001	RT4	0000007820	908 HOLLAND CT
HOL1-000909-0000-01	001	RT4	0000007770	909 HOLLAND CT
HOL1-000911-0000-01	001	RT4	0000007760	911 HOLLAND CT
HOL1-000913-0000-00	001	RT4	0000007750	913 HOLLAND CT
HOP1-000073-0000-00	001	RT4	0000007320	73 HOOPER ST
HOP1-000100-0000-02	001	RT4	0000007480	100 HOOPER ST
HOP1-000111-WESC-01	001	RT4	0000007410	111 HOOPER ST
HOP1-000112-0000-00	001	RT4	0000007470	112 HOOPER ST
HOP1-000113-0000-01	001	RT4	0000007420	113 HOOPER ST
HUD1-000103-0000-01	001	RT1	0000002670	103 HUDSON WAY
HUD1-000105-0000-02	001	RT1	0000002660	105 HUDSON WAY
HUD1-000106-PARK-00	001	RT1	0000001080	HUDSON WAY #PARK
HUD1-000108-0000-01	001	RT1	0000001090	108 HUDSON WAY
HUD1-000109-0000-01	001	RT1	0000002650	109 HUDSON WAY
HUD1-000110-0000-01	001	RT1	0000001110	110 HUDSON WAY
HUD1-000112-0000-01	001	RT1	0000001100	112 HUDSON WAY
HUD1-000113-0000-02	001	RT1	0000002630	113 HUDSON WAY
HUD1-000114-0000-02	001	RT1	0000001120	114 HUDSON WAY
HUD1-000115-0000-01	001	RT1	0000002620	115 HUDSON WAY
HUD1-000116-0000-02	001	RT1	0000001130	116 HUDSON WAY
HUD1-000117-0000-01	001	RT1	0000002610	117 HUDSON WAY

Location ID	Cycle	Section	Read Seq #	ACTIVE ACCOUNTS
HUD1-000149-0000-01	001	RT1	000002440	149 HUDSON WAY
HUD1-000151-0000-01	001	RT1	000002450	151 HUDSON WAY
HUD1-000153-0000-03	001	RT1	000002460	153 HUDSON WAY
HUD1-000155-0000-01	001	RT1	000002470	155 HUDSON WAY
HUD1-000157-0000-01	001	RT1	000002480	157 HUDSON WAY
HUD1-000159-0000-02	001	RT1	000002490	159 HUDSON WAY
HUD1-000161-0000-01	001	RT1	000002500	161 HUDSON WAY
HUD1-000162-0000-02	001	RT1	000001450	162 HUDSON WAY
HUD1-000163-0000-01	001	RT1	000002510	163 HUDSON WAY
HUD1-000165-0000-03	001	RT1	000002520	165 HUDSON WAY
HUD1-000166-0000-02	001	RT1	000001280	166 HUDSON WAY
HUD1-000167-0000-01	001	RT1	000002530	167 HUDSON WAY
HUD1-000169-0000-01	001	RT1	000002540	169 HUDSON WAY
HUD1-000170-0000-01	001	001	000001260	170 HUDSON WAY
HUD1-000171-0000-01	001	RT1	000002550	171 HUDSON WAY
HUD1-000173-0000-02	001	RT1	000002560	173 HUDSON WAY
HUD1-000175-0000-01	001	RT1	000002570	175 HUDSON WAY
HUD1-000177-0000-01	001	RT1	000002580	177 HUDSON WAY
HUD1-000179-0000-03	001	RT1	000002590	179 HUDSON WAY
HUD1-000181-0000-01	001	RT1	000002600	181 HUDSON WAY
HUD2-000106-0000-01	001	RT1	000001200	106 HUDSON CT
HUD2-000107-0000-01	001	RT1	000001190	107 HUDSON CT
HUD2-000108-0000-01	001	RT1	000001210	108 HUDSON CT
HUD2-000109-0000-01	001	RT1	000001180	109 HUDSON CT
HUD2-000110-0000-02	001	RT1	000001220	110 HUDSON CT
HUD2-000111-0000-01	001	RT1	000001170	111 HUDSON CT
HUD2-000112-0000-01	001	RT1	000001230	112 HUDSON CT
HUD2-000113-0000-01	001	RT1	000001160	113 HUDSON CT
HUD2-000114-0000-01	001	RT1	000001240	114 HUDSON CT
HUD2-000115-0000-01	001	RT1	000001150	115 HUDSON CT
HUD2-000117-0000-01	001	RT1	000001140	117 HUDSON CT
JOH1-000119-0000-00	001	RT1	000001750	119 JOHNSON CT
JOH1-000120-0000-02	001	RT1	000001740	120 JOHNSON CT
JOH1-000121-0000-01	001	RT1	000001760	121 JOHNSON CT
JOH1-000122-0000-01	001	RT1	000001730	122 JOHNSON CT
JOH1-000123-0000-07	001	RT1	000001770	123 JOHNSON CT
JOH1-000124-0000-00	001	RT1	000001720	124 JOHNSON CT
JOH1-000125-0000-00	001	RT1	000001780	125 JOHNSON CT
JOH1-000126-0000-01	001	RT1	000001710	126 JOHNSON CT
JOH2-000128-0000-01	001	RT1	000001700	128 JOHNSON ST
JOH2-000130-0000-01	001	RT1	000001690	130 JOHNSON ST
JOH2-000132-0000-01	001	RT1	000001680	132 JOHNSON ST
JOH2-000134-0000-01	001	RT1	000001670	134 JOHNSON ST
JOH2-000136-0000-01	001	RT1	000001660	136 JOHNSON ST
JOH2-000137-0000-01	001	RT1	000001940	137 JOHNSON ST
JOH2-000138-0000-04	001	RT1	000001650	138 JOHNSON ST
JOH2-000139-0000-03	001	RT1	000001950	139 JOHNSON ST
JOH2-000140-0000-02	001	RT1	000001640	140 JOHNSON ST
JOH2-000141-0000-02	001	RT1	000001960	141 JOHNSON ST
JOH2-000142-0000-01	001	RT1	000001630	142 JOHNSON ST
JOH2-000143-0000-01	001	RT1	000001970	143 JOHNSON ST
JOH2-000144-0000-01	001	RT1	000001620	144 JOHNSON ST
JOH2-000145-0000-01	001	RT1	000001980	145 JOHNSON ST
JOH2-000146-0000-01	001	RT1	000001610	146 JOHNSON ST
JOH2-000147-0000-01	001	RT1	000001990	147 JOHNSON ST
JOH2-000149-0000-01	001	RT1	000002000	149 JOHNSON ST
JOH2-000150-0000-01	001	RT1	000001590	150 JOHNSON ST
JOH2-000151-0000-06	001	RT1	000002010	151 JOHNSON ST

Location ID	Cycle	Section	Read Seq #	ACTIVE ACCOUNTS
JOH2-000152-0000-01	001	RT1	0000001580	152 JOHNSON ST
JOH2-000153-0000-02	001	RT1	0000002020	153 JOHNSON ST
JOH2-000154-0000-02	001	RT1	0000001570	154 JOHNSON ST
JOH2-000155-0000-01	001	001	0000002030	155 JOHNSON ST
JOH2-000156-0000-01	001	001	0000001560	156 JOHNSON ST
JOH2-000158-0000-01	001	RT1	0000001550	158 JOHNSON ST
JOH2-000160-0000-01	001	RT1	0000001540	160 JOHNSON ST
KEM0-000803-0000-01	001	001	0000012550	803 KEMPTON CT
KEM0-000804-0000-01	001	RT5	0000012560	804 KEMPTON CT
KEM0-000805-0000-01	001	RT5	0000012540	805 KEMPTON CT
KEM0-000806-0000-01	001	RT5	0000012570	806 KEMPTON CT
KEM0-000807-0000-01	001	RT5	0000012530	807 KEMPTON CT
KEM0-000808-0000-01	001	RT5	0000012580	808 KEMPTON CT
KEM0-000809-0000-02	001	001	0000012520	809 KEMPTON CT
KEM0-000810-0000-01	001	RT5	0000012590	810 KEMPTON CT
KEM0-000811-0000-01	001	RT5	0000012510	811 KEMPTON CT
KEM0-000812-0000-01	001	RT5	0000012600	812 KEMPTON CT
KEM0-000813-0000-01	001	RT5	0000012500	813 KEMPTON CT
KEY1-000810-0000-03	001	RT5	0000011630	810 KEYSER DR
KEY1-000811-0000-02	001	RT5	0000011520	811 KEYSER DR
KEY1-000812-0000-01	001	RT5	0000011620	812 KEYSER DR
KEY1-000813-0000-01	001	RT5	0000011530	813 KEYSER DR
KEY1-000814-0000-03	001	RT5	0000011610	814 KEYSER DR
KEY1-000815-0000-03	001	RT5	0000011540	815 KEYSER DR
KEY1-000816-0000-01	001	001	0000011600	816 KEYSER DR
KEY1-000817-0000-01	001	RT5	0000011550	817 KEYSER DR
KEY1-000818-0000-01	001	RT5	0000011590	818 KEYSER DR
KEY1-000819-0000-01	001	RT5	0000011560	819 KEYSER DR
KEY1-000820-0000-01	001	RT5	0000011580	820 KEYSER DR
KEY1-000821-0000-01	001	RT5	0000011570	821 KEYSER DR
KRI1-000101-0000-01	001	RT3	0000005860	101 KRISTEN DR
LOF1-000700-0000-01	001	RT5	0000011660	700 LOFTON RD
LOF1-000701-0000-02	001	001	0000011650	701 LOFTON RD
LOF1-000702-0000-04	001	RT5	0000011670	702 LOFTON RD
LOF1-000703-0000-01	001	RT5	0000011640	703 LOFTON RD
LOF1-000704-0000-01	001	001	0000011680	704 LOFTON RD
LOF1-000705-0000-01	001	RT5	0000011510	705 LOFTON RD
LOF1-000706-0000-03	001	RT5	0000011690	706 LOFTON RD
LOF1-000707-0000-01	001	RT5	0000011500	707 LOFTON RD
LOF1-000708-0000-01	001	RT5	0000011700	708 LOFTON RD
LOF1-000709-0000-01	001	RT5	0000011490	709 LOFTON RD
LOF1-000710-0000-01	001	RT5	0000011710	710 LOFTON RD
MAI1-000100-0000-01	001	RT3	0000004430	100 MAIN ST
MAI1-000104-0000-02	001	RT3	0000005680	104 MAIN ST
MAI1-000106-0000-02	001	RT2	0000005690	106 MAIN ST
MAI1-000108-0000-01	001	RT3	0000005700	108 MAIN ST
MAI1-000110-0000-00	001	RT3	0000005710	110 MAIN ST
MAI1-000111-0000-01	001	RT3	0000004440	111 MAIN ST
MAI1-000205-01/2-01	001	RT3	0000006080	205 MAIN ST # 1/2
MAI1-000206-0000-01	001	RT3	0000006090	206 MAIN ST
MAI1-000207-0207-01	001	RT3	0000006640	207 MAIN STREET
MAI1-000208-0ABC-00	001	RT3	0000006100	208 MAIN ST
MAI1-000209-0000-01	001	RT3	0000006630	209 MAIN ST
MAI1-000211-0000-01	001	RT3	0000006620	211 MAIN ST
MAI1-000213-0000-01	001	RT3	0000006610	213 MAIN ST
MAI1-000214-0000-01	001	RT3	0000006120	214 MAIN ST
MAI1-000215-0000-00	001	RT3	0000006600	215 MAIN ST
MAI1-000301-0000-01	001	RT3	0000006590	301 MAIN ST

Location ID	Cycle	Section	Read Seq #	ACTIVE ACCOUNTS
MAI1-000304-0000-01	001	RT3	0000006130	304 MAIN ST
MAI1-000305-0000-01	001	RT3	0000006580	305 MAIN ST
MAI1-000306-0000-01	001	RT3	0000006140	306 MAIN ST
MAI1-000307-0000-01	001	RT3	0000006570	307 MAIN ST
MAI1-000308-0A/B-02	001	RT3	0000006150	308 MAIN ST
MAI1-000309-0000-01	001	RT3	0000006560	309 MAIN ST
MAI1-000310-0000-01	001	RT3	0000006160	310 MAIN ST
MAI1-000312-0000-01	001	RT3	0000006170	312 MAIN ST
MAI1-000313-0000-01	001	RT3	0000006550	313 MAIN ST
MAI1-000314-0A/B-05	001	RT3	0000006180	314 MAIN ST A/B
MAI1-000407-0000-02	001	RT3	0000006510	407 MAIN ST
MAI1-000408-00AB-02	001	RT3	0000006200	408 MAIN ST
MAI1-000414-0000-01	001	RT3	0000006220	414 MAIN ST
MAI1-000422-0000-01	001	RT3	0000006230	422 MAIN ST
MAI1-000502-0000-00	001	RT3	0000006270	502 MAIN ST
MAI1-000503-0000-01	001	RT3	0000006400	503 MAIN ST
MAI1-000504-0000-02	001	RT3	0000006280	504 MAIN STREET
MAI1-000506-0000-01	001	RT3	0000006290	506 MAIN ST
MAI1-000508-0000-03	001	RT3	0000006300	508 MAIN ST
MAI1-000509-0000-01	001	RT3	0000006390	509 MAIN ST
MAI1-000511-0000-01	001	RT3	0000006380	511 MAIN ST
MAI1-000512-0000-00	001	RT3	0000006320	512 MAIN ST
MAI1-000513-0000-00	001	RT3	0000006370	513 MAIN ST
MAI1-000514-0000-01	001	RT3	0000006330	514 MAIN ST
MAI1-000515-0000-01	001	RT3	0000006360	515 MAIN ST
MAI1-000600-0000-00	001	RT4	0000006650	600 MAIN ST
MAI1-000604-0000-01	001	RT4	0000006660	604 MAIN ST
MAI1-000605-0000-03	001	RT4	0000008540	605 MAIN ST
MAI1-000607-0000-00	001	001	0000008530	607 MAIN ST
MAI1-000608-0000-01	001	RT4	0000006670	608 MAIN ST
MAI1-000609-0000-00	001	RT4	0000008520	609 MAIN ST
MAI1-000611-0000-00	001	RT4	0000008510	611 MAIN ST
MAI1-000612-0000-00	001	RT4	0000006730	612 MAIN ST
MAI1-000700-0000-01	001	RT4	0000006750	700 MAIN ST
MAI1-000701-0000-01	001	RT4	0000006830	701 MAIN ST
MAI1-000703-0000-04	001	RT4	0000006820	703 MAIN ST
MAI1-000704-0000-02	001	RT4	0000006760	704 MAIN ST
MAI1-000705-0000-01	001	RT4	0000006810	705 MAIN ST
MAI1-000706-0000-01	001	RT4	0000006770	706 MAIN ST
MAI1-000707-0000-00	001	RT4	0000006800	707 MAIN ST
MAI1-000710-0000-00	001	001	0000006780	710 MAIN ST
MAI1-000711-0000-02	001	RT4	0000006790	711 MAIN ST
MAL1-000504-0000-00	001	001	0000006720	504 MALONE AVE
MAL1-000514-0000-01	001	RT4	0000006710	514 MALONE AVE
MAL1-000516-0000-01	001	RT4	0000006700	516 MALONE AVE
MAL1-000611-0000-01	001	RT4	0000006680	611 MALONE AVE
MCC1-000099-0000-01	001	RT1	0000001370	99 MCCURRY ST
MCC1-000101-0000-02	001	RT1	0000001360	101 MCCURRY ST
MCC1-000104-0000-01	001	RT1	0000001380	104 MCCURRY ST
MCC1-000105-0000-02	001	RT1	0000001350	105 MCCURRY ST
MCC1-000106-0000-01	001	RT1	0000001390	106 MCCURRY ST
MCC1-000107-0000-01	001	RT1	0000001340	107 MCCURRY ST
MCC1-000108-0000-01	001	RT1	0000001400	108 MCCURRY ST
MCC1-000109-0000-04	001	RT1	0000001330	109 MCCURRY ST
MCC1-000110-0000-02	001	RT1	0000001410	110 MCCURRY ST
MCC1-000111-0000-02	001	RT1	0000001320	111 MCCURRY ST
MCC1-000112-0000-01	001	RT1	0000001420	112 MCCURRY ST
MCC1-000113-0000-01	001	RT1	0000001310	113 MCCURRY ST

Location ID	Cycle	Section	Read Seq #	ACTIVE ACCOUNTS
MCC1-000114-0000-01	001	RT1	000001430	114 MCCURRY ST
MCC1-000115-0000-02	001	RT1	000001300	115 MCCURRY ST
MCC1-000116-0000-01	001	RT1	000001440	116 MCCURRY ST
MCC1-000117-0000-01	001	RT1	000001290	117 MCCURRY ST
MCD1-000500-0000-00	001	RT5	0000008530	500 MCDEVITT DR
MCD1-000503-0000-00	001	RT5	0000008570	503/501 MCDEVITT DR
MCD1-000505-000A-03	001	RT5	0000008610	505 MCDEVITT DR # A
MCD1-000505-000B-02	001	RT5	0000008580	505 MCDEVITT DR # B
MCD1-000507-000B-03	001	RT5	0000008600	507 MCDEVITT DR # B
MCD1-000509-0000-00	001	RT5	0000008620	509 MCDEVITT DR
MCD1-000603-0000-01	001	RT5	0000008790	603 MCDEVITT DR
MCD1-000605-0000-01	001	RT5	0000008800	605 MCDEVITT DR
MCD1-000607-0000-00	001	RT5	0000009000	607 MCDEVITT DR
MCD1-000609-0000-01	001	RT5	0000009010	609 MCDEVITT DR
MCD1-000611-0000-01	001	RT4	0000009020	611 MCDEVITT DR
MCD1-000613-0000-00	001	001	0000009030	613 MCDEVITT DR
MCD1-000615-0000-01	001	RT5	0000009040	615 MCDEVITT DR
MCD1-000617-0000-00	001	RT5	0000009740	617 MCDEVITT DR
MCD1-000619-0000-01	001	RT5	0000009750	619 MCDEVITT DR
MCD1-000627-0000-01	001	RT5	0000012280	627 MCDEVITT DR
MCD1-000629-0000-01	001	RT5	0000012290	629 MCDEVITT DR
MCD1-000701-0000-01	001	RT5	0000012300	701 MCDEVITT DR
MCD1-000703-0000-01	001	RT5	0000012310	703 MCDEVITT DR
MCD1-000705-0000-01	001	001	0000012320	705 MCDEVITT DR
MCD1-000706-0000-01	001	RT5	0000010520	706 MCDEVITT DR
MCD1-000708-0000-01	001	RT5	0000010510	708 MCDEVITT DR
MCD1-000710-0000-01	001	RT5	0000010500	710 MCDEVITT DR
MCD1-000800-0000-01	001	RT5	0000010490	800 MCDEVITT DR
MCD1-000800-IRRI-00	001	RT5	0000010450	MCDEVITT DR #IRRI
MCD1-000802-0000-01	001	RT5	0000010480	802 MCDEVITT DR
MCD1-000803-0000-01	001	RT5	0000012440	803 MCDEVITT DR
MCD1-000804-000A-01	001	RT5	0000000000	804 MCDEVITT DR
MCD1-000804-000B-02	001	RT5	0000010470	804 MCDEVITT DR
MCD1-000805-0000-01	001	RT5	0000012450	805 MCDEVITT DR
MCD1-000806-0000-01	001	RT5	0000010460	806 MCDEVITT DR
MCD1-000807-0000-01	001	RT5	0000012460	807 MCDEVITT DR
MCD1-000809-0000-01	001	RT5	0000012470	809 MCDEVITT DR
MCD1-000811-0000-01	001	RT5	0000012480	811 MCDEVITT DR
MCD1-000813-0000-01	001	RT5	0000012490	813 MCDEVITT DR
MCDO-000098-0000-01	001	RT1	0000001790	98 MCDONALD DR
MCDO-000100-0000-01	001	RT1	0000001800	100 MCDONALD DR
MCDO-000102-0000-02	001	RT1	0000001810	102 MCDONALD DR
MCDO-000104-0000-01	001	RT1	0000001820	104 MCDONALD DR
MCDO-000105-0000-02	001	RT1	0000001930	105 MCDONALD DR
MCDO-000106-0000-02	001	RT1	0000001830	106 MCDONALD DR
MCDO-000107-0000-01	001	RT1	0000001920	107 MCDONALD DR
MCDO-000108-0000-01	001	RT1	0000001840	108 MCDONALD DR
MCDO-000110-0000-01	001	RT1	0000001850	110 MCDONALD DR
MCDO-000112-0000-01	001	RT1	0000001860	112 MCDONALD DR
MCDO-000114-0000-01	001	RT1	0000001870	114 MCDONALD DR
MCDO-000115-0000-01	001	RT1	0000001910	115 MCDONALD DR
MCDO-000116-0000-01	001	RT1	0000001880	116 MCDONALD DR
MCDO-000117-0000-01	001	RT1	0000001900	117 MCDONALD DR
MCDO-000119-POND-00	001	RT1	0000001890	MCDONALD DR/RETENTION BASIN
MEA1-000200-0000-00	001	RT3	0000003530	200 MEADOW WAY
MEA1-000202-0000-02	001	RT3	0000003540	202 MEADOW WAY
MEA1-000204-0000-02	001	RT3	0000003550	204 MEADOW WAY
MEA1-000206-0000-01	001	RT3	0000003560	206 MEADOW WAY

Location ID	Cycle	Section	Read Seq #	ACTIVE ACCOUNTS
MEA1-000208-0000-01	001	RT3	0000003570	208 MEADOW WAY
MEA1-000210-0000-00	001	RT3	0000003580	210 MEADOW WAY
MEA1-000212-0000-00	001	RT3	0000003590	212 MEADOW WAY
MEA1-000300-0000-01	001	RT3	0000003610	300 MEADOW WAY
MEA1-000302-0000-01	001	RT3	0000003620	302 MEADOW WAY
MEA1-000304-0000-01	001	RT3	0000003630	304 MEADOW WAY
MEA1-000306-0000-00	001	RT3	0000003640	306 MEADOW WAY
MEA1-000308-0000-00	001	RT3	0000003650	308 MEADOW WAY
MEA1-000310-0000-00	001	RT3	0000003660	310 MEADOW WAY
MEA1-000312-0000-00	001	RT3	0000003670	312 MEADOW WAY
MEA1-000314-0000-01	001	RT3	0000003680	314 MEADOW WAY
MEA1-000316-0000-01	001	RT3	0000003690	316 MEADOW WAY
MEL1-000138-0000-01	001	RT1	0000002130	138 MELTON WAY
MEL1-000139-0000-02	001	RT1	0000002140	139 MELTON WAY
MEL1-000140-0000-01	001	RT1	0000002120	140 MELTON WAY
MEL1-000141-0000-02	001	RT1	0000002150	141 MELTON WAY
MEL1-000142-0000-02	001	001	0000002110	142 MELTON WAY
MEL1-000143-0000-01	001	RT1	0000002160	143 MELTON WAY
MEL1-000144-0000-01	001	RT1	0000002100	144 MELTON WAY
MEL1-000145-0000-01	001	RT1	0000002170	145 MELTON WAY
MEL1-000146-0000-01	001	RT1	0000002090	146 MELTON WAY
MEL1-000147-0000-01	001	RT2	0000002180	147 MELTON WAY
MEL1-000148-0000-04	001	RT1	0000002080	148 MELTON WAY
MEL1-000149-0000-01	001	RT1	0000002190	149 MELTON WAY
MEL1-000150-0000-01	001	RT1	0000002070	150 MELTON WAY
MEL1-000151-0000-01	001	RT1	0000002200	151 MELTON WAY
MEL1-000152-0000-01	001	RT1	0000002060	152 MELTON WAY
MEL1-000153-0000-01	001	001	0000002210	153 MELTON WAY
MEL1-000154-0000-01	001	RT1	0000002050	154 MELTON WAY
MEL1-000155-0000-01	001	RT1	0000002220	155 MELTON WAY
MEL1-000156-0000-02	001	RT1	0000002040	156 MELTON WAY
MES -000200-0000-00	001	RT3	0000003700	200 MESA ST
MES -000201-0000-01	001	RT3	0000004340	201 MESA ST
MES -000202-0000-01	001	RT3	0000003710	202 MESA ST
MES -000203-0000-01	001	RT3	0000004330	203 MESA ST
MES -000204-0000-01	001	RT3	0000003720	204 MESA ST
MES -000205-0000-01	001	RT3	0000004320	205 MESA ST
MES -000206-0000-04	001	RT3	0000003730	206 MESA ST
MES -000207-0000-02	001	RT3	0000004310	207 MESA ST
MES -000208-0000-01	001	RT3	0000003740	208 MESA ST
MES -000209-0000-02	001	RT3	0000004300	209 MESA ST
MES -000210-0000-01	001	RT3	0000003750	210 MESA ST
MES -000211-0000-01	001	RT3	0000004290	211 MESA ST
MES -000212-0000-02	001	RT3	0000003760	212 MESA ST
MES -000214-0000-02	001	RT4	0000003770	214 MESA ST
MES -000215-0000-01	001	RT3	0000004270	215 MESA ST
MES -000216-0000-01	001	RT3	0000003780	216 MESA ST
MES -000217-0000-03	001	RT3	0000004260	217 MESA ST
MES -000219-0000-02	001	RT3	0000004250	219 MESA ST
MES -000300-0000-01	001	RT3	0000003790	300 MESA ST
MES -000302-0000-01	001	RT3	0000003800	302 MESA ST
MES -000303-0000-01	001	RT3	0000004230	303 MESA ST
MES -000304-0000-02	001	RT3	0000003810	304 MESA ST
MES -000305-0000-02	001	RT3	0000004220	305 MESA ST
MES -000306-0000-00	001	RT3	0000003820	306 MESA ST
MES -000307-0000-01	001	RT3	0000004210	307 MESA ST
MES -000308-0000-01	001	RT3	0000003830	308 MESA ST
MES -000309-0000-02	001	RT3	0000004200	309 MESA ST

Location ID	Cycle	Section	Read Seq #	ACTIVE ACCOUNTS
MES -000310-0000-01	001	RT3	0000003840	310 MESA ST
MES -000311-0000-04	001	RT3	0000004190	311 MESA ST
MES -000312-0000-01	001	RT3	0000003850	312 MESA ST
MES -000313-0000-03	001	RT3	0000004180	313 MESA ST
MES -000314-0000-01	001	001	0000003860	314 MESA ST
MES -000315-0000-01	001	RT3	0000004170	315 MESA ST
MES -000316-0000-01	001	RT3	0000003870	316 MESA ST
MES -000317-0000-04	001	RT3	0000004160	317 MESA ST
MES -000319-0000-00	001	RT3	0000004150	319 MESA ST
MES -000400-0000-01	001	RT3	0000003880	400 MESA ST
MES -000401-0000-03	001	RT3	0000003990	401 MESA ST
MES -000402-0000-00	001	RT3	0000003890	402 MESA ST
MES -000403-0000-01	001	001	0000003980	403 MESA ST
MES -000404-0000-01	001	RT3	0000003900	404 MESA ST
MES -000405-0000-01	001	RT3	0000003970	405 MESA ST
MES -000406-0000-02	001	RT3	0000003910	406 MESA ST
MES -000407-0000-02	001	RT3	0000003960	407 MESA ST
MES -000408-0000-00	001	RT3	0000003920	408 MESA ST
MES -000409-0000-01	001	RT3	0000003950	409 MESA ST
MES -000410-0000-01	001	RT3	0000003930	410 MESA ST
MES -000411-0000-01	001	RT3	0000003940	411 MESA ST
NIC1-000104-0000-01	001	RT3	0000003460	104 NICHOLS RD
NIC1-000106-0000-01	001	RT3	0000003450	106 NICHOLS RD
NIC1-000108-0000-01	001	RT3	0000003440	108 NICHOLS RD
NIC1-000109-0000-00	001	RT3	0000003470	109 NICHOLS RD
NIC1-000110-0000-01	001	RT3	0000003430	110 NICHOLS RD
NIC1-000111-0000-02	001	RT3	0000003480	111 NICHOLS RD
NIC1-000112-0000-01	001	RT3	0000003420	112 NICHOLS RD
NIC1-000113-0000-02	001	RT3	0000003490	113 NICHOLS RD
NIC1-000114-0000-01	001	RT3	0000003410	114 NICHOLS RD
NIC1-000115-0000-01	001	RT3	0000003500	115 NICHOLS RD
NIC1-000116-0000-00	001	RT3	0000003400	116 NICHOLS RD
NIC1-000117-0000-01	001	RT3	0000003510	117 NICHOLS RD
NIC1-000118-0000-01	001	RT3	0000003390	118 NICHOLS RD
NIC1-000133-0000-00	001	RT3	0000003520	133 NICHOLS RD
NIG1-000601-0000-01	001	RT5	0000010040	601 NIGHTINGALE WAY
NIG1-000603-0000-01	001	RT5	0000010030	603 NIGHTINGALE WAY
NIG1-000604-0000-01	001	RT5	0000010130	604 NIGHTINGALE WAY
NIG1-000605-0000-01	001	RT4	0000010020	605 NIGHTINGALE WAY
NIG1-000606-0000-02	001	RT5	0000010140	606 NIGHTINGALE WAY
NIG1-000607-0000-01	001	RT5	0000010010	607 NIGHTINGALE WAY
NIG1-000608-0000-01	001	RT5	0000010150	608 NIGHTINGALE WAY
NIG1-000609-0000-01	001	RT5	0000010000	609 NIGHTINGALE WAY
NIG1-000611-0000-01	001	RT5	0000009990	611 NIGHTINGALE WAY
NIG1-000612-0000-01	001	RT5	0000010220	612 NIGHTINGALE WAY
NIG1-000613-0000-01	001	001	0000009980	613 NIGHTINGALE WAY
NIG1-000614-0000-01	001	RT5	0000010230	614 NIGHTINGALE WAY
NIG1-000615-0000-02	001	RT5	0000009970	615 NIGHTINGALE WAY
NIG1-000616-0000-01	001	RT5	0000010240	616 NIGHTINGALE WAY
NIG1-000617-0000-01	001	RT5	0000009960	617 NIGHTINGALE WAY
NIG2-000402-0000-01	001	RT5	0000010080	402 NIGHTINGALE CT
NIG2-000404-0000-01	001	001	0000010090	404 NIGHTINGALE CT
NIG2-000405-0000-02	001	RT5	0000010070	405 NIGHTINGALE CT
NIG2-000406-0000-01	001	RT5	0000010100	406 NIGHTINGALE CT
NIG2-000407-0000-01	001	RT5	0000010060	407 NIGHTINGALE CT
NIG2-000409-0000-01	001	RT5	0000010050	409 NIGHTINGALE CT
NIG2-000410-0000-01	001	RT5	0000010110	410 NIGHTINGALE CT
NIG2-000412-0000-01	001	RT5	0000010120	412 NIGHTINGALE CT

Location ID	Cycle	Section	Read Seq #	ACTIVE ACCOUNTS
OLI1-000101-0000-01	001	RT3	0000004400	101 OLIVE ST
OLI1-000103-0000-00	001	RT3	0000004390	103 OLIVE ST
OLI1-000105-0000-02	001	RT3	0000004380	105 OLIVE ST
OLI1-000107-0000-01	001	RT3	0000004370	107 OLIVE ST
OLI1-000111-0000-02	001	RT3	0000004360	111 OLIVE ST
OLI1-000115-0000-00	001	RT3	0000004350	115 OLIVE ST
OLI1-000201-0000-01	001	RT3	0000005620	201 OLIVE STREET
OLI1-000203-0000-03	001	RT3	0000005610	203 OLIVE ST
OLI1-000205-0000-02	001	001	0000005600	205 OLIVE ST
OLI1-000207-0000-01	001	RT3	0000005590	207 OLIVE ST
OLI1-000209-0000-01	001	RT3	0000005580	209 OLIVE ST
OLI1-000211-0000-00	001	RT3	0000005570	211 OLIVE ST
OLI1-000213-0000-05	001	RT3	0000005560	213 OLIVE ST
OLI1-000215-0000-01	001	RT3	0000005550	215 OLIVE ST
OLI1-000217-0000-02	001	RT3	0000005540	217 OLIVE ST
OLI1-000301-0000-00	001	RT3	0000005350	301 OLIVE ST
OLI1-000303-0000-01	001	RT3	0000005340	303 OLIVE ST
OLI1-000305-0000-01	001	RT3	0000005330	305 OLIVE ST
OLI1-000307-0000-02	001	RT3	0000005320	307 OLIVE ST
OLI1-000309-0000-00	001	RT3	0000005310	309 OLIVE ST
OLI1-000311-0000-00	001	RT3	0000005300	311 OLIVE ST
OLI1-000313-0000-01	001	RT3	0000005290	313 OLIVE ST
OLI1-000315-0000-02	001	RT3	0000005280	315 OLIVE ST
OLI1-000405-0000-01	001	RT3	0000005260	405 OLIVE ST
OLI1-000407-0000-01	001	RT3	0000005250	407 OLIVE ST
OLI1-000409-0000-01	001	RT3	0000005240	409 OLIVE ST
OLI1-000411-0000-00	001	RT3	0000005230	411 OLIVE ST
OLI1-000612-0000-00	001	001	0000007500	612 OLIVE ST
OLI1-000615-0000-03	001	RT4	0000007490	615 OLIVE ST
OLI1-000700-0000-01	001	RT4	0000007330	700 OLIVE ST
OLI1-000711-0000-01	001	RT4	0000007400	711 OLIVE ST
OLI1-000712-0000-01	001	RT4	0000007350	712 OLIVE ST
OLI1-000801-0000-01	001	RT4	0000007380	801 OLIVE ST
OLI1-000900-0000-01	001	RT4	0000007370	900 OLIVE ST
PUMP-001415-0000-00	001	RT1	0000000000	1415 PUMPKIN LANE
RED1-000514-0A/B-01	001	RT5	0000012070	514 REDWOOD AVE # A/B
RED1-000515-0A/B-01	001	RT5	0000011210	515 REDWOOD AVE # A/B
RED1-000603-000A-01	001	RT5	0000011330	603 REDWOOD AVE # A
RED1-000805-0000-02	001	RT5	0000011340	805 REDWOOD AVE
RED1-000807-0000-01	001	RT5	0000011350	807 REDWOOD AVE
RED1-000809-0000-02	001	001	0000011360	809 REDWOOD AVE
RED1-000810-0000-02	001	RT5	0000011480	810 REDWOOD AVE
RED1-000811-0000-01	001	001	0000011370	811 REDWOOD AVE
RED1-000812-0000-02	001	RT5	0000011470	812 REDWOOD AVE
RED1-000813-0000-01	001	RT5	0000011380	813 REDWOOD AVE
RED1-000814-0000-01	001	RT5	0000011460	814 REDWOOD AVE
RED1-000815-0000-01	001	RT5	0000011390	815 REDWOOD AVE
RED1-000816-0000-02	001	RT5	0000011450	816 REDWOOD AVE
RED1-000817-0000-01	001	RT5	0000011400	817 REDWOOD AVE
RED1-000818-0000-02	001	001	0000011440	818 REDWOOD AVE
RED1-000819-0000-01	001	RT5	0000011410	819 REDWOOD AVE
RED1-000820-0000-01	001	RT5	0000011430	820 REDWOOD AVE
RED1-000821-0000-03	001	RT5	0000011420	821 REDWOOD AVE
RIC1-000800-0000-01	001	RT5	0000011010	800 RICH PL
RIC1-000801-0000-01	001	RT5	0000011100	801 RICH PL
RIC1-000802-0000-02	001	RT5	0000011020	802 RICH PL
RIC1-000803-0000-02	001	RT5	0000011090	803 RICH PL
RIC1-000804-0000-01	001	RT5	0000011030	804 RICH PL

Location ID	Cycle	Section	Read Seq #	ACTIVE ACCOUNTS
RIC1-000805-0000-02	001	RT5	0000011080	805 RICH PL
RIC1-000806-0000-01	001	RT5	0000011040	806 RICH PL
RIC1-000807-0000-01	001	RT5	0000011070	807 RICH PL
RIC1-000808-0000-01	001	001	0000011050	808 RICH PL
RIC1-000809-0000-02	001	RT5	0000011060	809 RICH PL
RIC2-000703-0000-01	001	RT5	0000010950	703 RICH CT
RIC2-000704-0000-01	001	RT5	0000010960	704 RICH CT
RIC2-000705-0000-01	001	RT5	0000010940	705 RICH CT
RIC2-000706-0000-01	001	RT5	0000010970	706 RICH CT
RIC2-000707-0000-01	001	RT5	0000010930	707 RICH CT
RIC2-000708-0000-01	001	RT5	0000010980	708 RICH CT
RIC2-000709-0000-01	001	RT5	0000010920	709 RICH CT
RIC2-000710-0000-01	001	001	0000010990	710 RICH CT
RIC2-000711-0000-00	001	RT5	0000010910	711 RICH CT
RIC2-000712-0000-01	001	RT5	0000011000	712 RICH CT
RIC2-000713-0000-02	001	RT5	0000010900	713 RICH CT
ROS1-000600-0000-01	001	RT5	0000009730	600 ROSE AVE
ROS1-000601-0000-00	001	RT5	0000009050	601 ROSE AVE
ROS1-000602-0000-01	001	RT5	0000009720	602 ROSE AVE
ROS1-000604-0000-01	001	RT5	0000009710	604 ROSE AVE
ROS1-000605-0000-02	001	RT5	0000009070	605 ROSE AVE
ROS1-000606-0000-01	001	RT5	0000009700	606 ROSE AVE
ROS1-000607-0000-01	001	RT5	0000009080	607 ROSE AVE
ROS1-000608-0000-00	001	RT5	0000009690	608 ROSE AVE
ROS1-000609-0000-00	001	RT5	0000009090	609 ROSE AVE
ROS1-000610-0000-01	001	RT5	0000009680	610 ROSE AVE
ROS1-000611-0000-01	001	RT5	0000009100	611 ROSE AVE
ROS1-000612-0000-01	001	RT5	0000009670	612 ROSE AVE
ROS1-000613-0000-01	001	RT5	0000009110	613 ROSE AVE
ROS1-000614-0000-02	001	RT5	0000009660	614 ROSE AVE
ROS1-000615-0000-01	001	RT5	0000009120	615 ROSE AVE
ROS1-000616-0000-01	001	RT5	0000009650	616 ROSE AVE
ROS1-000617-0000-01	001	RT5	0000009130	617 ROSE AVE
ROS1-000648-0A/B-01	001	RT5	0000011950	648 ROSE AVE # A/B
ROS1-000649-0A/B-01	001	RT5	0000011960	649 ROSE AVE # A/B
ROS1-000650-0A/B-01	001	RT5	0000011850	650 ROSE AVE # A/B
ROS1-000651-0A/B-01	001	RT5	0000011840	651 ROSE AVE # A/B
SEC1-000400-0000-05	001	RT3	0000005020	400 SECOND ST
SEC1-000402-0000-01	001	RT3	0000005030	402 SECOND ST
SEC1-000404-0000-03	001	001	0000005040	404 SECOND ST
SEC1-000410-0412-01	001	RT3	0000005060	410/412 SECOND ST
SEC1-000414-0000-01	001	RT3	0000005070	414 SECOND ST
SEC1-000501-0000-00	001	RT3	0000005210	501 SECOND ST
SEC1-000503-0000-01	001	RT3	0000005200	503 SECOND ST
SEC1-000508-0000-01	001	RT3	0000005080	508 SECOND ST
SEC1-000509-0000-02	001	RT3	0000005180	509 SECOND ST
SEC1-000511-0000-01	001	RT3	0000005170	511 SECOND ST
SEC1-000520-0000-03	001	RT3	0000005090	520 SECOND ST
SEC1-000604-0000-05	001	RT4	0000008220	604 SECOND ST
SEC1-000605-0A/B-02	001	RT4	0000008180	605 SECOND ST, UNIT A-B
SEC1-000606-0000-03	001	RT4	0000008230	606 SECOND ST
SEC1-000608-0A/B-01	001	RT4	0000008240	608 SECOND ST
SEC1-000609-0000-00	001	RT4	0000008170	609 SECOND ST
SEC1-000612-0000-01	001	RT4	0000008250	612 SECOND STREET
SEC1-000614-0000-02	001	RT4	0000008260	614 SECOND ST
SEC1-000615-0000-01	001	RT4	0000008160	615 SECOND ST
SIX1-000200-0000-01	001	RT3	0000005720	200 SIXTH ST
SIX1-000206-0000-00	001	RT3	0000005730	206 SIXTH ST

Location ID	Cycle	Section	Read Seq #	ACTIVE ACCOUNTS
SIX1-000207-0000-01	001	RT3	000006070	207 SIXTH ST
SIX1-000208-0000-02	001	RT3	000005740	208 SIXTH ST
SIX1-000209-0000-01	001	RT3	000006060	209 SIXTH ST
SIX1-000210-0000-00	001	RT3	000005750	210 SIXTH ST
SIX1-000211-0000-00	001	RT3	000006050	211 SIXTH ST
SIX1-000212-0000-01	001	RT3	000005760	212 SIXTH ST
SIX1-000300-0000-01	001	RT3	000005770	300 SIXTH ST
SIX1-000301-0000-02	001	RT3	000005990	301 SIXTH ST
SIX1-000302-0000-02	001	RT3	000005780	302 SIXTH ST
SIX1-000304-0000-01	001	RT3	000005790	304 SIXTH ST
SIX1-000305-0000-01	001	RT3	000005980	305 SIXTH ST
SIX1-000306-0000-01	001	RT3	000005800	306 SIXTH ST
SIX1-000307-0000-00	001	RT3	000005970	307 SIXTH ST
SIX1-000308-0000-00	001	RT3	000005810	308 SIXTH ST
SIX1-000309-0000-01	001	RT3	000005960	309 SIXTH ST
SIX1-000310-0000-02	001	RT3	000005820	310 SIXTH ST
SIX1-000313-0000-02	001	RT3	000005940	313 SIXTH ST
SIX1-000315-0000-01	001	RT3	000005930	315 SIXTH ST
SIX1-000405-0407-00	001	RT1	000000000	405/407 SIXTH ST
SIX1-000408-0000-01	001	RT3	000005850	408 SIXTH ST
SIX1-000413-0000-00	001	RT3	000005880	413 SIXTH ST
SIX1-000705-0000-00	001	001	000000000	705 SIXTH ST
SIX1-000710-0000-01	001	RT4	000006690	710 SIXTH ST
SP01-000512-0A/B-02	001	RT5	0000012000	512 SPRUCE AVE # A/B
SP01-000515-0A/B-01	001	RT5	0000012010	515 SPRUCE AVE # A/B
SP01-000700-0000-01	001	RT5	0000012270	700 SPRUCE AVE
SP01-000702-0000-01	001	RT5	0000012260	702 SPRUCE AVE
SP01-000704-0000-01	001	RT5	0000012250	704 SPRUCE AVE
SP01-000706-0000-03	001	RT5	0000012240	706 SPRUCE AVE
SP01-000708-0000-01	001	RT5	0000012230	708 SPRUCE AVE
SP01-000710-0000-02	001	RT5	0000012220	710 SPRUCE AVE
SP01-000712-0000-01	001	RT5	0000012210	712 SPRUCE AVE
SP01-000714-0000-01	001	RT5	0000012200	714 SPRUCE AVE
SP01-000716-0000-01	001	RT5	0000012190	716 SPRUCE AVE
SP01-000718-0000-01	001	001	0000012180	718 SPRUCE AVE
SP01-000719-0000-01	001	001	0000010780	719 SPRUCE AVE
SP01-000720-0000-01	001	RT5	0000012170	720 SPRUCE AVE
SP01-000721-0000-01	001	001	0000010790	721 SPRUCE AVE
SP01-000722-0000-01	001	RT5	0000012160	722 SPRUCE AVE
SP01-000723-0000-01	001	RT5	0000010800	723 SPRUCE AVE
SP01-000724-0000-01	001	RT5	0000012150	724 SPRUCE AVE
SP01-000725-0000-01	001	RT5	0000010810	725 SPRUCE AVE
SP01-000727-0000-01	001	RT5	0000010820	727 SPRUCE AVE
SP01-000729-0000-01	001	RT5	0000010830	729 SPRUCE AVE
SP01-000800-PARK-00	001	RT1	0000000000	800 SPRUCE AVE #PARK
SPE1-001955-0000-01	001	RT3	0000004420	1955 SPENCEVILLE RD
SPE1-001957-0000-01	001	RT3	0000004410	1957 SPENCEVILLE RD
STA1-000513-0000-02	001	RT3	0000006260	513 STATE ST
STA1-000515-0A/B-01	001	RT3	0000006250	515 STATE ST A/B
STA1-000517-0000-01	001	RT3	0000006240	517 STATE ST
STAR-000512-0000-04	001	RT5	0000009140	512 STAR CT
STAR-000513-0000-01	001	RT5	0000009240	513 STAR CT
STAR-000514-0000-01	001	RT5	0000009150	514 STAR CT
STAR-000515-0000-01	001	RT5	0000009230	515 STAR CT
STAR-000516-0000-02	001	001	0000009160	516 STAR CT
STAR-000517-0000-01	001	RT5	0000009220	517 STAR CT
STAR-000518-0000-02	001	001	0000009170	518 STAR CT
STAR-000519-0000-01	001	RT5	0000009210	519 STAR CT

Location ID	Cycle	Section	Read Seq #	ACTIVE ACCOUNTS
STAR-000520-0000-01	001	RT5	0000009180	520 STAR CT
STAR-000521-0000-01	001	RT5	0000009200	521 STAR CT
STAR-000522-0000-01	001	RT5	0000009190	522 STAR CT
STIN-000602-0000-01	001	RT5	0000012380	602 STINEMAN CT
STIN-000603-0000-01	001	RT5	0000012390	603 STINEMAN CT
STIN-000604-0000-01	001	RT5	0000012370	604 STINEMAN CT
STIN-000605-0000-01	001	RT5	0000012400	605 STINEMAN CT
STIN-000606-0000-01	001	RT5	0000012360	606 STINEMAN CT
STIN-000607-0000-01	001	RT5	0000012410	607 STINEMAN CT
STIN-000608-0000-01	001	RT5	0000012350	608 STINEMAN CT
STIN-000609-0000-01	001	RT5	0000012420	609 STINEMAN CT
STIN-000610-0000-01	001	RT5	0000012340	610 STINEMAN CT
STIN-000611-0000-01	001	RT5	0000012430	611 STINEMAN CT
STIN-000612-0000-01	001	RT5	0000012330	612 STINEMAN CT
SUL -000131-0000-01	001	RT1	0000002360	131 SULLIVAN WAY
SUL -000133-0000-02	001	RT1	0000002370	133 SULLIVAN WAY
SUL -000134-0000-01	001	RT1	0000002350	134 SULLIVAN WAY
SUL -000135-0000-01	001	RT1	0000002380	135 SULLIVAN WAY
SUL -000136-0000-01	001	RT1	0000002340	136 SULLIVAN WAY
SUL -000137-0000-02	001	RT1	0000002390	137 SULLIVAN WAY
SUL -000138-0000-01	001	001	0000002330	138 SULLIVAN WAY
SUL -000139-0000-01	001	001	0000002400	139 SULLIVAN WAY
SUL -000140-0000-01	001	RT1	0000002320	140 SULLIVAN WAY
SUL -000141-0000-01	001	RT1	0000002410	141 SULLIVAN WAY
SUL -000142-0000-01	001	RT1	0000002310	142 SULLIVAN WAY
SUL -000143-0000-01	001	RT1	0000002420	143 SULLIVAN WAY
SUL -000144-0000-02	001	RT1	0000002300	144 SULLIVAN WAY
SUL -000145-0000-01	001	RT1	0000002430	145 SULLIVAN WAY
SUL -000146-0000-03	001	RT1	0000002290	146 SULLIVAN WAY
SUL -000148-0000-02	001	RT1	0000002280	148 SULLIVAN WAY
SUL -000150-0000-01	001	RT1	0000002270	150 SULLIVAN WAY
SUL -000152-0000-02	001	RT1	0000002260	152 SULLIVAN WAY
SUNR-000000-0000-00	001	001	0000000000	W SUNRISE ORCHARDS
THI1-000300-0000-02	001	001	0000005400	300 THIRD ST
THI1-000302-0000-01	001	RT3	0000005410	302 THIRD ST
THI1-000302-01/2-01	001	RT3	0000005420	302 1/2 THIRD ST
THI1-000304-0000-01	001	RT3	0000000000	304 THIRD ST
THI1-000306-0000-01	001	RT3	0000005430	306 THIRD ST
THI1-000308-0000-01	001	RT3	0000005440	308 THIRD ST
THI1-000309-0000-00	001	RT3	0000005390	309 THIRD ST
THI1-000310-0000-01	001	RT3	0000005450	310 THIRD ST
THI1-000400-0000-00	001	RT3	0000004790	400 THIRD ST
THI1-000401-0000-01	001	RT3	0000005010	401 THIRD ST
THI1-000403-0000-01	001	001	0000005000	403 THIRD ST
THI1-000404-0000-01	001	RT3	0000004800	404 THIRD ST
THI1-000405-0000-01	001	RT3	0000004990	405 THIRD ST
THI1-000406-0000-01	001	RT3	0000004810	406 THIRD ST
THI1-000407-0409-03	001	RT3	0000004980	407/409 THIRD ST
THI1-000411-0413-03	001	RT3	0000004970	411/413 THIRD ST
THI1-000412-0000-01	001	RT3	0000004820	412 THIRD ST-LOCKED
THI1-000415-0000-01	001	RT3	0000004960	415 THIRD ST
THI1-000500-0000-02	001	RT3	0000004830	500 THIRD ST
THI1-000501-0000-00	001	RT3	0000004950	501 THIRD ST
THI1-000502-0000-01	001	RT3	0000004840	502 THIRD ST
THI1-000504-0000-01	001	RT3	0000004850	504 THIRD ST
THI1-000506-0000-02	001	RT3	0000004860	506 THIRD ST
THI1-000508-0000-01	001	RT3	0000004870	508 THIRD ST
THI1-000509-0000-01	001	RT3	0000004930	509 THIRD ST

Location ID	Cycle	Section	Read Seq #	ACTIVE ACCOUNTS
THI1-000510-0000-03	001	RT3	0000004880	510 THIRD ST
THI1-000511-0000-02	001	RT3	0000004920	511 THIRD ST
THI1-000512-0000-01	001	RT3	0000004890	512 THIRD ST
THI1-000515-0000-00	001	001	0000004910	515 THIRD ST
THI1-000603-0000-04	001	001	0000008320	603 THIRD ST
THI1-000604-0000-01	001	RT3	0000008330	604 THIRD ST
THI1-000605-0000-02	001	RT4	0000008310	605 THIRD ST
THI1-000606-0000-03	001	RT4	0000008340	606 THIRD ST
THI1-000607-0000-01	001	RT4	0000008300	607 THIRD ST
THI1-000609-0000-01	001	RT4	0000008290	609 THIRD ST
THI1-000612-0000-00	001	RT4	0000008360	612 THIRD ST
THI1-000613-0000-01	001	RT4	0000008280	613 THIRD ST
THI1-000702-0704-01	001	RT4	0000006930	702-704 THIRD ST
THI1-000705-0000-01	001	RT4	0000008110	705 THIRD ST
THI1-000708-0000-02	001	RT3	0000006940	708 THIRD ST
THI1-000800-0000-01	001	RT4	0000006950	800 THIRD ST
THI1-000802-0000-00	001	RT4	0000006960	802 THIRD ST
THI1-000803-0000-00	001	RT4	0000008100	803 THIRD ST
THI1-000804-0000-00	001	RT4	0000006970	804 THIRD ST
THI1-000806-0000-01	001	RT4	0000006980	806 THIRD ST
THI1-000808-0000-01	001	RT4	0000006990	808 THIRD ST
THI1-000900-0000-01	001	RT4	0000007000	900 THIRD ST
THI1-000902-0000-01	001	RT4	0000007010	902 THIRD ST
THI1-000903-0000-01	001	RT3	0000007900	903 THIRD ST
THI1-000904-0000-01	001	RT4	0000007020	904 THIRD ST
THI1-000905-0000-01	001	RT4	0000007890	905 THIRD ST
THI1-000906-0000-01	001	RT4	0000007030	906 THIRD ST
THI1-000907-0000-02	001	RT4	0000007880	907 THIRD ST
THI1-000908-0000-01	001	RT4	0000007040	908 THIRD ST
THI1-000909-0000-00	001	RT4	0000007870	909 THIRD ST
THI1-000910-0000-01	001	RT4	0000007050	910 THIRD ST
THI1-000912-0000-01	001	RT4	0000007060	912 THIRD ST
TULI-000601-0A/B-01	001	RT5	0000011270	601 TULIP ST # A/B
TULI-000602-0A/B-01	001	RT5	0000011290	602 TULIP ST # A/B
TULI-000603-0A/B-01	001	RT5	0000011280	603 TULIP ST # A/B
WEB -000000-MULT-02	001	RT3	0000005870	WEBB DR #MULT
WHE1-000805-0000-01	001	RT4	0000007250	805 WHEATLAND RD
WHE1-000904-0000-01	001	RT4	0000007600	904 WHEATLAND RD
WHE1-000906-0000-01	001	RT4	0000007610	906 WHEATLAND RD
WHE1-000908-0000-01	001	RT4	0000007620	908 WHEATLAND RD
WHE1-000910-0000-01	001	RT4	0000007630	910 WHEATLAND RD
WHE1-001000-0000-01	001	RT4	0000007220	1000 WHEATLAND RD
WHE1-001010-0WHS-01	001	RT4	0000007230	1010 WHEATLAND RD
WHE1-005091-0000-00	001	RT1	0000000000	5091 WHEATLAND RD
WHE1-005091-0IRR-00	001	RT1	0000000000	5091 WHEATLAND RD # IRR
WHE1-005121-0A/B-00	001	RT4	0000007240	5121 WHEATLAND RD
WOLF-000500-0000-01	001	RT5	0000009590	500 WOLF CT
WOLF-000501-0000-01	001	RT5	0000009580	501 WOLF CT
WOLF-000502-0000-01	001	RT5	0000009600	502 WOLF CT
WOLF-000503-0000-01	001	RT5	0000009570	503 WOLF CT
WOLF-000504-0000-01	001	RT5	0000009610	504 WOLF CT
WOLF-000505-0000-01	001	RT5	0000009560	505 WOLF CT
WOLF-000506-0000-01	001	RT4	0000009620	506 WOLF CT
WOLF-000507-0000-01	001	RT5	0000009550	507 WOLF CT
WOLF-000508-0000-01	001	RT5	0000009630	508 WOLF CT
WOLF-000509-0000-01	001	RT5	0000009540	509 WOLF CT
WOLF-000510-0000-01	001	RT5	0000009640	510 WOLF CT
WOLF-000511-0000-01	001	RT5	0000009530	511 WOLF CT

Location ID	Cycle	Section	Read Seq #	ACTIVE ACCOUNTS
WPD-000100-BRMS-01	001	RT5	0000012920	100 WHEATLAND PARK DR

INACTIVE/TEMP SHUT OFF	ADDRESS
BLAC-000510-LIFT-00	BLACKFORD COURT #LIFT
CARP-000701-WELL-08	701 CARPENTER WAY WELL #8
CST1-000109-LIFT-00	LIFT STATION 109 C STREET
DST1-000205-0000-01	205 D ST
EVE1-000811-0000-00	811 EVERGREEN DR
FIR1-000803-000A-01	803 FIRST ST
FOU1-000602-LAWN-01	602 FOURTH ST
FRO1-000400-0000-01	400 FRONT ST
FRO1-000402-0000-01	402 FRONT ST
KEY1-000823-0000-00	823 KEYSER DR
MAI1-000212-0000-01	212 MAIN ST/PARKING LOT
MAI1-000501-LOCK-01	501 MAIN ST
MAI1-000510-0000-01	510 MAIN ST
MAL1-000700-LIFT-00	700 MALONE AVE #LIFT
MAL1-000800-SWTP-00	800 MALONE AVE #SWTP
PUMP-001415-XXXX-01	1415 PUMPKIN LN SEWER ACCT
RED1-000823-0000-00	823 REDWOOD AVE
SEC1-000408-0000-02	408 SECOND ST
SEC1-000409-WELL-04	409 SECOND ST WELL #4
SEC1-000413-0000-01	413 SECOND ST

Attachment C: Cost Proposal

PROJECT COSTS

General

The intent of this cost proposal is to identify all costs of providing complete turn-key delivery, installation and support of an Advanced Metering Infrastructure (AMI) system for the City of Wheatland’s potable water system. The cost to furnish all materials shall include sales tax, shipping and all incidental costs of providing specified items to the City. Values entered here will be the basis of values in contract with City.

TABLE C1 - PROPOSED AMI CONTRACT COSTS					
Item	Description	Quantity	Units	Unit Cost	Total Cost
1a.	Project Management	1	LS		
1b.	Meter Audit	1,151	EA		
1c.	CIS Data Gap Analysis and Coordination with Installation Contractor	1	LS		
2	Fixed Network AMI system	1	LS		
3	Hosting Services Maximum annual escalation = _____%	1	YR		
Total Contract Costs					

Meter and Endpoint List Pricing

In the interest of identifying all costs of providing the complete AMI system as proposed for the City of Wheatland’s potable water system, current list pricing will be used to estimate cost to furnish the proposed meters and endpoints in Table C1.1. Proposer shall provide written verification of basis for submitted list pricing prior to execution of contract by City.

TABLE C1.1 – LIST PRICE VALUES FOR PROPOSED METERS AND ENDPOINT EQUIPMENT						
Item	Description	Quantity	Units	List Price	Unit Cost (List plus 10% for tax and shipping)	Total Estimated Cost
E1a	¾" Water Meters	604	EA			
E1b	¾" with ASV*	10	EA			
E1c	1" Water Meters	485	EA			
E1d	1" with ASV*	10	EA			
E1e	1-1/2" Water Meters	22	EA			
E1f	2" Water Meters	15	EA			

E1g	3" Water Meters	1	EA			
E1h	4" Water Meters	1	EA			
E1i	6" Water Meters (demand)	3	EA			
E1j	6" Water Meters (supply)	4	EA			
E1k	8" Water Meters (supply)	1	EA			
E2	Endpoint	1,151	EA			

Estimated Meter and Endpoint Installation Costs (Work to be Performed by Others)

In the interest of identifying all costs of providing complete AMI system for the City of Wheatland’s potable water system, the estimated costs in Table C1.2 will be used by the City to represent the estimated cost of installation work to be performed by others. The estimated unit costs for Item W2a “Water Meter Replacement” and Item W4 “Install Endpoint” in Table C1.2 will be used in conjunction with the proposed costs to furnish the respective items when calculating the LC1 and LC2 life cycle costs associated with any such required replacements. Where proposed equipment warrants changes in quantities, these quantities will be adjusted accordingly for the proposed cost (e.g., endpoints which are built into meters and don’t require external antenna will not require separate installation cost). The values provided in Table C1.2 will not otherwise be considered in the ranking of proposals.

TABLE C1.2 – ENGINEER’S ESTIMATED INSTALLATION COSTS for WORK BY OTHERS					
Item	Description	Quantity	Units	Unit Cost	Total Estimated Cost
W1	Mobilization	1	LS	\$35,200	\$35,200
W2a	Water Meter Replacement	1,151	EA	\$120	\$138,120
W2b	Meter Plumbing Modification (3/4" thru 2" size)	56	EA	\$700	\$39,200
W2c	Supply Well Meter Installation with Test Port	5	EA	\$750	\$3,750
W2d	Meter Pit Cleanout	200	EA	\$30	\$6,000
W3a	Water Meter Box Lid Replacement	100	EA	\$40	\$4,000
W3b	Water Meter Box Replacement	100	EA	\$200	\$20,000
W3c	Driveway Repair	25	EA	\$1,000	\$25,000
W4	Install Endpoint	1,151	EA	\$15.00	\$17,265

LIFE CYCLE COSTS

The city will perform a life-cycle cost analysis using data provided in this proposal to reasonably represent the approximate costs of continued operation and maintenance of the delivered and installed AMI system over the first 20 years of the system life, including replacements and maintenance per manufacturers recommendations and life expectancies plus all on-going and recurring costs of the required services. Results of the city’s analysis will be used as part of the ranking of the proposed system in the selection process and made available to proposers after selection.

ALTERNATIVE COSTS

TABLE C3 - PROPOSED ALTERNATIVE COSTS (Not considered in Total Life Cycle Cost Comparison)					
A1	Customer Portal (Optional) Maximum annual escalation = _____%	1	YR		
A2	Handheld Reading Devices (OPTIONAL)	1	LS		
Total Alternative Costs					

Attachment D: Specification and Scope of Work

General Information

The City does not have a readily identified property available to offer as a staging area for use by proposers. Use of unused portions of City property which are not explicitly open to public use or actively used by City operations may be proposed in the written proposal for consideration by the City.

All quantities are estimated for the purposes of cost comparison and establishment of contract values. Actual quantities will be verified through the meter audit and the resulting project quantities will be adjusted accordingly. The contract to be awarded from this solicitation does not include the meter installations or any of the associated field work that is estimated to be needed. The meter and endpoint installations and associated field work will be procured under a separate contract on a competitive bid basis.

The cost to furnish all materials shall include sales tax, shipping and all incidental costs of providing specified items to the City.

The proposal shall include the following items.

Item 1a. Project Management

Proposer shall provide a project management team for the overall management of the project including but not limited to:

1. Schedule workflow for AMI implementation, manage/schedule work efforts, and report status to City
2. Work with City to address customer complaints
3. Manage data to connect new meter data into the City's database so that minimal or no information has to be captured or entered manually by the City.
4. Coordinate with installation contractor to manage data input and activation of accounts on AMI system.
5. Provide weekly written project status updates
6. Conduct biweekly coordination meetings

The lump sum amount for mobilizing all efforts, managing data to connect to City's database, coordinating with the installation contractor, providing project status updates, and conducting coordination meetings. Contractor may apply for payment for this item on a percent complete basis as the items covered in project management are completed.

The lump sum price shall be full compensation for the completion of all items included in the scope for this item.

Item 1b. Meter Audit

Proposer shall perform a field audit of all supply and demand meter locations to determine or confirm and report on the following for each meter:

1. Service address for service (demand) meters according to City-provided data
2. Account number and account type according to City-provided data
3. Customer name associated with account according to City-provided data
4. Name and phone number of contact person according to City-provided data
5. Existing service meter size (inches) and type
6. Existing service meter lay length (meters smaller than 1")
7. Existing meter serial/ID number (read by bar code scanner where possible)

8. Existing endpoint ID (read by bar code scanner where possible)
9. Box type and condition
10. Lid size, type, material, and condition
11. Meter box condition
12. Pipe material (copper, PVC, galvanized, etc.)
13. Determine cleanness of box/drain rock and accessibility of meter/curb stop valve
14. Check for and note damage, tampering, or leaks
15. GPS position of meter location: Global Positioning System (GPS) location data shall be collected using a Global Navigation Satellite System (GNSS) receiver rated for sub-meter accuracy.
16. Identify whether meter depth is greater than 12-inches, as measured from surface of box to face of meter register.
17. Identify code for location of meter box as being in landscaping, driveway, sidewalk, or asphalt pavement.

All data shall be collected digitally using an approved software application (app) based data collection and work order management system loaded on a mobile device or computer to be furnished by the contractor for their own use. The selected system shall allow for the convenient tracking of all important details. Complete database of all collected data from the meter audit shall be summarized, tabulated and provided to the City in a database format. Codes for each required item of data to be collected shall be consistent and readily sortable for reporting. Particular effort may be required to enable ready reporting of locations where non-standard features or unsuitable conditions will require work in order to install replacement meters.

Item 1c. CIS Data Gap Analysis and Coordination with Installation Contractor

Proposer shall perform a data gap analysis of the City's existing customer information system (CIS) to determine where data may be missing or inconsistent. Identify the gaps or inconsistencies and assist and guide the City in making the corrections. The city will provide the labor to enter the corrected information.

Work with the City in the coordination with the installation contractor which will be under separate contract with the City to get new meter and installation information input into the AMI system. Advertisement for bid of the installation contract is estimated to occur within two (2) months of the notice to proceed for work under this AMI system contract with anticipated award of that contract within four (4) months of this notice to proceed.

Item 2. Advanced Metering Infrastructure System (Cellular or Fixed Network)

Depending upon the technology proposed, some of the collector requirements may not be applicable. If so, provide a marked copy of this item to indicate applicability to the proposed technology with your proposal. The scope for this item includes:

1. Collector Units – Fixed Network
 - a) Environmental conditions of the meter system network of collectors/repeaters shall ideally be deployed on City owned property located throughout the City. Collectors/repeaters must operate in temperature extreme ranges of -40 to +185 degrees F.
 - b) Power Supply - The collector units shall be powered using either AC/battery or solar/battery to retrieve meter readings and relay them to a centralized location.

- c) Diagnostic Information - At a minimum, the collector units shall measure and record battery strength, Radio Frequency (RF) signal strength and time and date stamp each inbound transmission. These records will be included with each transmission.
- d) The collector unit locations shall be determined by the reading solution manufacturer as part of this proposal based on a propagation study performed by the manufacturer. The proposed number of collector units shall provide 100 percent coverage for the service territory without the need for any repeaters or boosters.
- e) If during installation, the Proposer determines the need for additional collector units, they shall be added at no additional cost to the City.
- f) Collector units shall be capable of being mounted on roofs, utility poles, streetlights, towers, elevated storage tank, etc., to collect readings from all meters in the coverage area. No special tower construction will be allowed.
- g) Collector unit network redundancy will be incorporated into the collector unit placement process to accelerate the reading process and ensure all meters provide a reading.
- h) Installation collector units shall be automatically recognized and installed onto the system network. Collector unit behaviors shall be programmable, including connection time, alarm message handling, alternative connection numbers, etc.
- i) The metering reading network shall be capable of adding collector units at any time without need for system reconfiguration.
- j) All collector unit electronics shall be electrically isolated and protected against static discharge and indirect lightning strikes.
- k) After being installed, collector units shall require minimal maintenance over the life of the unit.
- l) Collector units shall be easily configured to utilize a variety of WAN technologies to communicate to the head end computer. Collector units shall have optional backhaul communication methods such as cellular, Wi-Fi, ethernet, IP, and fiber optic and shall be easily upgraded from one WAN technology to another.
- m) Field Programmer / Handheld Unit. The programmer shall contain its own software for programming and be provided with easy instructions for operation. Main and back-up batteries must be readily available from local suppliers. Units shall be provided with any needed communications software, adapters, chargers, or accessories. All software shall be licensed to the City of Wheatland. The hand-held device shall have the ability to upload data in the unit's memory.

2. Meter Reading System Software

- a) The AMI vendor shall provide integration of a software system with their AMI solution. The AMI vendor shall fully integrate the software into their system and provide a turn-key system to the City. No third-party contracts will be executed by the City other than contracting with the Tyler Technologies for the Incode integration and cooperation. The Proposed software system shall be integrated by the vendor to provide fully automated communication with the City's utility billing software (Incode by Tyler Technologies), including potentially the Tyler Technologies customer portal with its full functionality.

- b) The meter solution manufacturer shall host the head end server and software. The City will not host. Costs for use of any third party host shall be included and specified in the proposal along with a specification of what data will be transmitted through the third party vendor.
- c) The Proposer shall provide sufficient and continuous Internet Technology (IT) support for system development and work with the City's IT department to set the security clearance, pop-up blockers, and enable mixed content.
- d) The meter reading solution manufacturer must support an interface with the City's billing system, Tyler Technologies Incode, with the ability to provide the appropriate software to automatically transfer appropriate data to the City's CIS and consumer engagement system. The system shall be integrated with the City's billing system directly.
- e) The meter reading solution shall maintain synchronization with Tyler Technologies Incode at least six times per day. The meter solution manufacturer shall retrieve a synchronization file from a secure FTP site provided by the City or provide a location on an FTP site operated by the manufacturer.
- f) System shall have back-up capabilities and procedures to ensure that system and consumption data is not corrupted or lost.
- g) System diagnostics shall be collected at all levels and transferred on to the vendor's hosted head end computer/server where several types of diagnostic reports shall be produced. Such reports shall indicate problems ranging from battery voltage to failure to recognize a proper communication with the meter. At minimum the report shall indicate MTU battery status. Capabilities beyond this should be specified in the proposal.
- h) Customer support staff interface – The solution must provide an interface for City customer staff.
- i) The fixed network software solution must offer:
 - Rate information
 - Customer information
 - Service point information
 - Meter data
 - Tamper data
 - Event data
- j) The software solution must allow the City staff to generate reports and tables within the software with the ability to easily select and compile particular data for printing or exporting via csv format. The software will enable the City staff to search the database to easily locate specific customer information and readings.
- k) The software solution must be able to support aggregation of readings and billings of multiple individual meter endpoints for billing of a common customer entity.
- l) The solution must be able to store and archive multiple types of data for each individual endpoint including but not restricted to:
 - Rate information
 - Customer information
 - Service point information

- Meter data
- Tamper data
- Event data
- Store/archive a minimum 24 months of data. All data must be easily retrievable.
- Accessible by a rich client or Web-browser based interface for the purposes of system administration and diagnostic troubleshooting.
- Be designed as a robust and scalable data repository to leverage best practices of data warehousing. The database should support scalability and have a highly flexible data structure to allow new data elements to be created without changes in table structures.

3. Meter Reading System Installation

a) Collector Installation:

Submit plan for collector installation based on results of propagation study. The manufacturer of the selected meter reading solution will perform the installation of all infrastructures required to support the entire service area and shall be responsible for coordination of access with the property managers with the assistance of the City's Water Division. Work outside of normal City work hours will require approval by the City and the presence of a City staff person will be required.

b) Endpoint Installation:

The installation personal must have completed the manufacturers installation and training course and have attained the manufacturer's certificate of installation.

4. The Proposer that is awarded the contract will be required to submit an installation plan for meter reading network infrastructure, meter and endpoint deployment, including:

a) Quality assurance/quality control (QA/QC)

- Field discrepancies - Provide verification that every meter installed connects to the system. Provide a plan to deal with discrepancies in the system such as but not limited to meter box damage, meter cannot be located, incorrect lid type for reading technology, meter transmits incorrect data. Define your process for identifying failed AMI connections for the purpose of pushing data to the City's meter reading system for manual meter reading. The plan shall describe how these discrepancies will be identified and the Proposer's process to correct the discrepancies.
- Data discrepancies - Describe City data review process – The information the City provides will most likely have errors. Describe the plan to identify and address City data errors in order to minimize impacts to the overall project.

b) Describe the process for notifying customers at the time of installation. A notification process shall be in place sufficient to prevent damage to customer at water shutoff and re-startup.

c) Furnishing of handheld computer devices

- d) Support and training for staff – Describe training process including when the training will be scheduled and duration of the training. List each separate training session, schedule and length of each training session, and who needs to attend each session.
5. The proposer shall provide in a collected and succinct format the following information with the proposal detailing the expected on-going costs and work requirements over a 20-year life where a fixed network is proposed:
 - a. All ongoing maintenance of collectors and infrastructure
 - b. Monitoring of AMI infrastructure
 - c. Monitoring of AMI wide-area-network (WAN) including data collectors and cellular / landline backhaul
 - d. Any required updates and/or upgrades of AMI data collectors over the lifecycle of the project.
 6. Warranty management - The Proposer awarded this AMI item is responsible for installations and warranties of the AMI system installed under this contract. The AMI system shall be designed and implemented with a planned actual reading acquisition of 100 percent on a daily basis and not less than 98 percent overall. Contracted vendor/contractor shall include with the proposed work all studies and equipment required to ensure compliance. This excludes temporary occurrences preventing meter reading such as obstructions due to vehicles parked over meters, tampered meters, and broken wires for example.

The lump sum amount shall include all costs for providing an AMI solution through a Software-as-a-Service (SaaS). The AMI vendor shall provide the entire AMI system, hardware and software, to the City including:

- All AMI data collection infrastructure (not including endpoints) to serve all meters in the City, including meters at City facilities
- Dedicated computer hardware required for system
- Software for use by City utilities and customer service staff
- Full integration with the City's Tyler Technologies Incode billing system
- Turn-key integration with the city-chosen customer portal
- Training
- Network subscription bundled with hardware at time of purchase
- Collectors, network operations software & data collection platform
- AMI Network design with propagation/service coverage studies as needed to ensure specification compliance.

Item 3. Hosting Services

The scope for this item includes:

1. The City is looking for a Software-as-a-Service (SaaS) solution with warranted full compatibility within

- the proposed AMI system.
2. Provide on-going hosting services as needed to complete delivery from all meters to the billing system and the city/user portals of all collected data which is required to satisfy these specifications. This is expected to be a secure, cloud-based server and software system. Costs detailed in the proposal shall include all fees and costs for software, hardware, infrastructure, updates, general facilities, software licensing, technical support, and any other required provisions to implement the proposed AMI solution throughout the 20-year lifecycle.
 3. Proposal shall detail the security measures which are implemented with the system with the standards and certifications which are achieved by the system. Internet-based communications shall use only encrypted data transmitted via a virtual private network (VPN) for system controls and data transmission.

Data Management Platform shall include the ability to:

- Report high volume consumers
- Report daily system consumption
- Report daily system snapshot
- Provide graphical and tabular data presentation of consumption
- Provide pressure monitoring
- Provide summary of meter data and diagnostics
- Summarize consumption and profile data
- Report continuous and reverse flow, and high consumption
- Integrate with GIS (actual integration not required at this time)
- Facilitate customer data sharing option via integration with web portal
- Facilitate fully automated billing processes

The lump sum price shall be the annual amount for providing hosting services for all collected data including fees for software, facilities, and any other fees incurred to implement the AMI solution included in Item 3. This shall include the price for software licensing, fees, technical support, and upgrades for the initial warranty period. Maximum annual escalation of the annual hosting service shall be provided as part of the proposal.

Item E1a-E1k. Water Meters

Proposed meters shall conform to this specification:

1. There are 1,151 service (demand) meters and 6 active supply meters within the existing City system. Table D-1 provides a schedule of the estimated quantity of existing meters by size and use. The proposal shall provide information for all proposed meters which would be used in conjunction with the proposed AMI system. The replacement of all existing meters will be specified and contracted for installation under a separate public works construction contract. The meters proposed by the selected and awarded AMI system proposer will be specified for use in the separate meter replacement contract. The meters selected by the City for use through this proposal will also be incorporated in the City's water system

improvement standards. The City reserves the right to consider and use other models of meters produced by the same manufacturer for all service (demand) meters.

Table D-1 – Schedule of Estimated Meter Quantities by Size

Item	Meter Size / Use	Quantity
4a	¾" / service	604
4b	¾" with ASV* / service	10
4c	1" / service	485
4d	1" with ASV* / service	10
4e	1½" / service	22
4f	2" / service	15
4g	3" / service	1
4h	4" / service	1
4i	6" / service	3
4j	6" / supply	4
4k	8" / supply	1

2. The meters proposed with this AMI system proposal shall conform to the following specifications:
 - Meters to be provided with an Automated Shutoff Valve (ASV) are preferred with the ASV incorporated in the standard lay length for the meter size. The ASV shall be operated remotely via the AMI network or other remote method. Meters with ASVs are to be installed in lieu of a non-ASV meter on service locations to be designated by the City. This is a preferred feature. Proposals will not be disqualified for not including remote shutoff capabilities. Proposers are welcome to discuss advantages and disadvantages in the proposal.
 - It is expected that the majority of the existing ¾" meters have a 7.5" lay length, but there are likely some meters with a 9" lay length. Proposers will need to identify existing lay lengths during the meter box audit process. Proposers shall provide a cost for 7.5" lay length in the cost proposal and the proposal shall include a statement indicating the cost differential for other lay lengths. The number of existing meters with each lay length shall be confirmed during the meter box audit.
 - City preference is for ultrasonic or magnetic flow meter technology to reduce long term system maintenance requirements and reduce water loss where those meters can meet all requirements of these specifications. However, the proposing vendor/contractor is encouraged to also provide alternative use of mechanical positive displacement meters where the life cycle cost will be reduced, or a better value can be demonstrated.
 - Meters, registers, endpoints, data collectors, reading devices and software shall be warranted as fully compatible with each other for all intended uses in this specification package and sold through one point of contact to simplify installation, maintenance, replacement, and warranty management. City preference is for all components to be manufactured by a single company or brand.

- Proposed water meter must be manufactured and sold for a minimum of 3 years and shall have at least 50,000 in service. Ultrasonic or electromagnetic service meters of 2-inch nominal size or larger with lesser service length or fewer in service will be considered. Where meters are provided with lesser service length, proposer shall provide a product development plan to describe the future of the proposed technology. Such ultrasonic or electromagnetic meters shall be provided with a full replacement warranty of not less than 10 years.
- All meters shall have a unique serial number durably marked on the main case along with indication of the year of the manufacture.
- Meter casing must be made of a stainless steel, bronze or copper alloy material. Plastic or polymer meter bodies are not acceptable.
- Meters must meet current Safe Drinking Water Act lead free standards and shall be constructed of copper, bronze, or stainless steel and ANSI/NSF Standard 61 Certified. The meter body, top and bottom covers and other component in contact with water, shall be no more than 0.25% of lead content and shall conform to California Proposition 65 requirements. Polymer bodied meters will be considered where ultrasonic or magnetic flow meters are being proposed.
- All meters must meet or exceed all applicable American Water Works Association (AWWA) standards for cold water meters for accuracy and capacity, including but not limited to: C700, C707, C713 and/or C715.
- Meters 2" in size and larger must be equipped with valves for in-line test provisions. All meter assemblies shall be tested and shall comply with the requirements of the latest revision of the applicable AWWA Standards.
- All meters shall be furnished with certified test results attached to each meter or shipment of meters showing that every meter has been tested and compliant with meter accuracy and capacity requirements according to the most recent AWWA standards.
- Meters shall have a measured-fluid temperature range of at least 34°F to 122°F
- All meters shall be equipped with an electronic encoder type meter register with a water-tight sealed connection between the meter and the register.
- Meter register's electronic enclosure shall be constructed of a durable engineered composite designed to last the life of the meter, be weather resistant, sealed, and tamper protected. If meter register's electronic enclosure is removable, proposals should discuss how meter register is prevented from being removed.
- Read resolution of the meter register is planned to be a minimum of:
 - For meters of sizes 1" and smaller = 1/100th (one hundredth) of a cubic foot
 - For 1.5" and 2" meters = 1/10th (tenth) cubic foot
 - For 3" and larger = 1 cubic footHowever, all meters shall have a minimum resolution of 1/10th (one tenth) of a cubic foot.
- Register display shall be straight reading, permanently sealed electronic high resolution nine-digit LCD display that displays:
 - Consumption
 - Rate of flow
 - Alarms
 - Unit of measure factory programmed for cubic feet

- Meter registers must be capable of directly interfacing with Endpoint Transmission Devices without the need for any on-site register programming.
- Registers shall have a unique identification number that can be read electronically when the meter is interrogated and transmitted to or stored in the AMI endpoint.
- Meters and registers shall be warranted against defect in material and workmanship for a period of twelve months from date of installation identified on the meter reading data system.
- Any required field connections to endpoints or encoders shall be made with pre-formed waterproof connectors. No wire splicing of any kind shall be required to be performed during installation.
- Supply meters to be installed at City wells shall be provided with dual output to communicate directly with both the provided AMI system and the City's existing SCADA system.

Proposer shall assume that the existing demand/service meters greater than 2" in size are compound and will be replaced with a compound meter, if they do not have an ultrasonic or electromagnetic meter available for any given size.

Item E2. AMI Endpoint

Proposed AMI Endpoints shall conform to this specification:

- a) AMI endpoint meter reading data transmission equipment - Proposers may propose with either unlicensed radio, licensed radio or cellular endpoints. City preference is for cellular technology to reduce system infrastructure and maintenance requirements but will consider fixed network technology where benefits are demonstrated to be well suited to the City. Proposal shall address the benefits of the proposed system over the other.
 - i. All radio systems proposed by the Proposer must operate on a FCC regulated or proven frequency, as shown by successful references, to prevent erroneous reading errors. If proposed system will operate on a licensed frequency, the Proposer must obtain said license on behalf of the City of Wheatland. All related one-time and on-going costs shall be detailed and included in cost proposal and lifecycle cost analysis.
 - ii. All equipment must comply with current FCC requirements - Part 90 of the FCC regulations. The Proposer must have supporting documentation available upon request to verify compliance.
 - iii. The City will not accept a drive-by system with the expectation to migrate to a fixed network reading solution, nor the installation of technology that has not been field tested for a period of at least 5 years.
 - iv. Manufacturer's experience must include a metering solution that has been available for over 5 years, having at least 20 water utility customer deployments, completely installed and operational.
 - v. All endpoints shall be compatible with meters and AMI system to be installed in the City of Wheatland. Meters, registers, endpoints, data collectors, reading devices and software shall be warranted as fully compatible with each other for all intended uses in this specification package and sold through one point of contact to simplify installation, maintenance, replacement, and warranty management. City preference is for all components to be manufactured by a single company or brand.

b) Endpoints & Field Programming Equipment

- i. **Warranty** - The endpoint devices shall have a full-warranty of at least ten (10) years from date of installation against any defects in materials and workmanship. The endpoint battery shall have full warranty for ten (10) years from date of delivery. Additionally, for radio systems, the endpoint battery and electronics shall be warranted for an additional ten (10) years at a prorated replacement cost. The total warranted life of the endpoint shall be twenty (20) years for radio systems.
- ii. The installation contractor shall utilize a software application to track and collect data during the meter installations. The program shall allow the user to view data collected during the meter box audit and collect additional data at the time of meter replacement. Data to be collected at the time of meter replacement shall include:
 - a) Old meter serial # as collected during the meter box audit
 - b) Last meter reading
 - c) New meter serial #
 - d) New endpoint ID #
 - e) Initial reading of new meter
 - f) Work performed
 - g) Date of work performed
- iii. The endpoint features shall comply with the following:
 - **Housing:** The endpoints will be housed in a molded plastic housing, hermetically sealed and resistant to rain, moisture and temperature changes from -40 to +140 degrees F, and capable of being submerged underwater without damage. The enclosure must house the complete unit, which includes electronics, battery compartment, antenna and wire connections. The meter lids will need to be modified or replace lids as needed to ensure the antenna edges do not protrude above the meter lid and meter lid/antenna edges are flush with the ground surface.
 - **Battery Life:** It is preferred that the endpoints shall have a permanently installed non-field replaceable battery with (20 - radio, 10 - cellular) year life cycle expectancy based upon not less than four (4) reading transmissions per day Monday through Friday and one reading transmission on the weekends. Proposer may propose a lesser frequency of data transmissions per day and provide an explanation of the cost benefit value. If a lesser frequency of data transmittals is being proposed, proposer should address how their leak detection capabilities are fully supported by the proposed data transmission frequency.
 - **Maintenance:** The endpoints shall be maintenance free. After initial installation, endpoint will continue to operate at optimal levels for the entire life of the product.
 - **Read Interval:** The endpoints shall transmit a brief data packet containing the endpoint identification number and port number (if applicable), the meter reading, and tamper flags at programmed intervals. The two-way water endpoints shall be capable of collecting data in intervals of 60 minutes or less as well as provide top-of-the-hour, time synchronized hourly reads. The read interval shall be reconfigured over the air from the head end computer. Meter reading system shall time stamp the transmitted meter reads. Proposer shall discuss the capability and cost difference of providing 15-minute reading intervals.
 - **Transmission:** Endpoint must store a minimum of 30 days of time-synchronized 60-minute (or less) reading data. In the unforeseen event that the communication system is

unavailable for a period of time, readings shall continue to be captured and stored and returned to the utility upon system restoration.

- **Firmware Updates:** All end point transmission devices shall have the capability to receive and process commands from the hosted server system for any required firmware updates to eliminate the need to manually perform the update function at each locale. AMI modules must support group firmware updates to reduce system maintenance time.
- **Water pressure reading:** Water pressure reading capability on all 1-inch and smaller meters is preferred. Water pressure reading capability is desired for all service meters, but not required. If pressure reading capability is not included on the majority of the proposed meter sets, provide alternative proposal for on-going distribution system pressure monitoring.
- **Leak Detection:** The system shall monitor water consumption through the meter and indicate when there is an abnormal increase in water consumption suggesting a leak within the customer's premise. The software must also provide meter reading management reports, usage analysis reports (leak detection, tamper detection, battery alerts, and backflow conditions), and system management diagnostics.
- **No Flow and Reverse Flow Detection:** The system (either through reports or alarms from the endpoint) shall indicate when there is an extended period of no flow or a minimum flow or a reverse flow through the meter.
- **High Flow Detection:** The system shall provide a report of accounts with abnormally high consumption during any billing period, suggesting a continuous flow condition.
- **Constant Consumption:** The system shall provide a constant consumption report to identify locations which a potential leak had occurred by monitoring for constant usage or continuous flow with consecutive reads.
- **Time Synchronization:** The system shall provide time synchronized meter reads that allow the City to obtain a snapshot of water consumption. All endpoints on the network must maintain time synchronization within 30 seconds of each other.
- **Diagnostic Information:** endpoints shall provide diagnostic information, such as battery voltage, and tamper flags with every transmitted reading.
- **Meter Compatibility/Ports:** Endpoints shall be compatible with multiple makes and models of meters. The endpoints shall be capable of receiving meter data from various independent meter manufacturers equipped with encoder registers.
- **Installation:** Endpoints shall be easily installed and provide appropriate provisions to avoid installer mistakes in installation, connection to meters, and programming. Meter reading system shall be able to give the installer a positive confirmation of successful installation in the field prior to the installer leaving the site.
- **Alarms / Tampering** - The system shall contain tamper detection capability of the meter, endpoint or wiring in between and provide a daily transfer to the head end computer to allow for proper notification and reporting. Proposal should describe the potential to provide immediate transfer to the head end computer. System must allow for triggering of

e-mail, or electronic message notification to subscribed users. Mandatory tamper detection shall include the following:

- Cut wires
- Equipment failures (such as meter failure)

Item A1. Customer Portal (Optional)

The City is considering using the customer portal provided through their Tyler Technologies accounting system. The proposer is encouraged to include scope and pricing for their recommended customer portal and provide benefits beyond the capabilities of the Tyler Technologies customer portal. This optional item may be eliminated at the City's discretion.

The scope for this item includes:

1. Customer engagement web portal which includes:
 - a) Customer login/authentication
 - b) Online access and smart phone application to allow the utility customer access to timely consumption information and water exception event messages via web and mobile devices.
 - c) Web based customer dashboard with meter reading data presentment
 - d) Analysis module for customers to see how their homes compare their month to month and year to year usage
 - e) Customer alerts for detected leaks and usage above customer-set limits
 - f) Proactive water conservation reports
 - g) A mobile solution for customer account management
 - h) Technical support and customer training resources to acclimate and support customer use.

The lump sum for customer portal services for all customers shall include fees for software, any other fees incurred, technical support, and any other costs related to providing customer portal services. Maximum annual escalation of the customer portal service shall be provided as part of the proposal.

Item A2. Handheld Reading Devices (OPTIONAL)

Proposer may incorporate the use of handheld reading devices in the proposed system if recommended. Proposal should describe the purpose and benefit of using the handheld devices.

The lump sum price shall include all costs for providing the number of handheld devices recommended by the proposer for the intended use.

Designated Life Cycle Costs

The City will perform a lifecycle cost evaluation using the values quoted with this proposal for consideration and ranking purposes. Calculations will consider the following factors involved in a 20-year lifecycle of the proposed equipment and system:

1. Repair, Service & Replacement of Water Meters, Including Encoders
2. Repair, Service & Replacement of Endpoints

3. Repair, Service & Replacement of AMI System Fixed Network components
4. Software-as-a-Service (SaaS) Hosting and Service Fees to 20 Years
5. Water Revenue Loss

Attachment E: City Standard Consultant Contract

**City of Wheatland
Advanced Metering Infrastructure Project Agreement**

[NOTE: Final terms subject to change.]

This Agreement is entered into as of the date last signed and dated below by and between City of Wheatland, a local government agency ("City"), and _____, a _____ ***[Insert type and jurisdiction of entity]*** ("Contractor"), who agree as follows:

1 Scope of Work

Contractor shall perform the work and render the services described in the attached Exhibit A (the "Work"). Contractor shall provide all labor, services, equipment, tools, material and supplies required or necessary to properly, competently and completely perform the Work. Contractor shall determine the method, details and means of doing the Work.

2 Payment

2.1 City shall pay to Contractor a fee based on the fee arrangement described on the attached Exhibit A.

The total fee for the Work shall not exceed \$_____. There shall be no compensation for extra or additional work or services by Contractor unless approved in advance in writing by City. Contractor's fee includes all of Contractor's costs and expenses related to the Work.

2.2 At the end of each month, Contractor shall submit to City an invoice for the Work performed during the preceding month. The invoice shall include a brief description of the Work performed, the dates of Work, number of hours worked and by whom (if payment is based on time), payment due, and an itemization of any reimbursable expenditures. If the Work is satisfactorily completed and the invoice is accurately computed, City shall pay the invoice within 30 days of its receipt.

3 Term

3.1 This Agreement shall take effect on the above date and continue in effect until completion of the Work, unless sooner terminated as provided below. Time is of the essence in this Agreement. If Exhibit A includes a Work schedule or deadline, then Contractor must complete the Work in accordance with the specified schedule or deadline, which may be extended by City for good cause shown by Contractor. If Exhibit A does not include a Work schedule or deadline, then Contractor must perform the Work diligently and as expeditiously as possible, consistent with the professional skill and care appropriate for the orderly progress of the Work.

3.2 This Agreement may be terminated at any time by City upon 10 days advance written notice to Contractor. In the event of such termination, Contractor shall be fairly compensated for all work performed to the date of termination as calculated by City based on the above fee and payment provisions. Compensation under this section shall not include any termination-related expenses, cancellation or demobilization charges, or lost profit associated

with the expected completion of the Work or other such similar payments relating to Contractor's claimed benefit of the bargain.

4 Professional Ability of Contractor

4.1 Contractor represents that it is specially trained and experienced, and possesses the skill, ability, knowledge and certification, to competently perform the Work provided by this Agreement. City has relied upon Contractor's training, experience, skill, ability, knowledge and certification as a material inducement to enter into this Agreement. All Work performed by Contractor shall be in accordance with applicable legal requirements and meet the standard of care and quality ordinarily to be expected of competent professionals in Contractor's field.

4.2 The following individuals are designated as key personnel and are considered to be essential to the successful performance of the work hereunder: [**Describe Contractor's key personnel by name or by reference, e.g. the individuals whose resumes are included in Exhibit A.**]. Contractor agrees that these individuals may not be removed from the Work or replaced without compliance with the following sections:

4.2.1 If one or more of the key personnel, for whatever reason, becomes, or is expected to become, unavailable for work under this contract for a continuous period exceeding 30 work days, or is expected to devote substantially less effort to the work than indicated in the proposal or initially anticipated, Contractor shall immediately notify City and shall, subject to City's concurrence, promptly replace the personnel with personnel of at least substantially equal ability and qualifications.

4.2.2 Each request for approval of substitutions must be in writing and contain a detailed explanation of the circumstances necessitating the proposed substitutions. The request must also contain a complete resume for the proposed substitute and other information requested or needed by City to evaluate the proposed substitution. City shall evaluate Contractor's request and City shall promptly notify Contractor of its decision in writing.

5 Conflict of Interest

Contractor (including principals, associates and professional employees) represents and acknowledges that (a) it does not now have and shall not acquire any direct or indirect investment, interest in real property or source of income that would be affected in any manner or degree by the performance of Contractor's services under this agreement, and (b) no person having any such interest shall perform any portion of the Work. The parties agree that Contractor is not a designated employee within the meaning of the Political Reform Act and City's conflict of interest code because Contractor will perform the Work independent of the control and direction of the City or of any City official, other than normal contract monitoring, and Contractor possesses no authority with respect to any City decision beyond the rendition of information, advice, recommendation or counsel.

6 Contractor Records

6.1 Contractor shall keep and maintain all ledgers, books of account, invoices, vouchers, canceled checks, and other records and documents evidencing or relating to the

Work and invoice preparation and support for a minimum period of three years (or for any longer period required by law) from the date of final payment to Contractor under this Agreement. City may inspect and audit such books and records, including source documents, to verify all charges, payments and reimbursable costs under this Agreement.

6.2 In accordance with California Government Code section 8546.7, the parties acknowledge that this Agreement, and performance and payments under it, are subject to examination and audit by the California State Auditor for three years following final payment under the Agreement.

7 Ownership of Documents

All works of authorship and every report, study, spreadsheet, worksheet, plan, design, blueprint, specification, drawing, map, photograph, computer model, computer disk, magnetic tape, CAD data file, computer software and any other document or thing prepared, developed or created by Contractor under this Agreement and provided to City ("Work Product") shall be the property of City, and City shall have the rights to use, modify, reuse, reproduce, publish, display, broadcast and distribute the Work Product and to prepare derivative and additional documents or works based on the Work Product without further compensation to Contractor or any other party. Contractor may retain a copy of any Work Product and use, reproduce, publish, display, broadcast and distribute any Work Product and prepare derivative and additional documents or works based on any Work Product; provided, however, that Contractor shall not provide any Work Product to any third party without City's prior written approval, unless compelled to do so by legal process. If any Work Product is copyrightable, Contractor may copyright the same, except that, as to any Work Product that is copyrighted by Contractor, City reserves a royalty-free, nonexclusive and irrevocable license to use, reuse, reproduce, publish, display, broadcast and distribute the Work Product and to prepare derivative and additional documents or works based on the Work Product. If City reuses or modifies any Work Product for a use or purpose other than that intended by the scope of work under this Agreement, then City shall hold Contractor harmless against all claims, damages, losses and expenses arising from such reuse or modification. For any Work Product provided to City in paper format, upon request by City at any time (including, but not limited to, at expiration or termination of this Agreement), Contractor agrees to provide the Work Product to City in a readable, transferable and usable electronic format generally acknowledged as being an industry-standard format for information exchange between computers (e.g., Word file, Excel spreadsheet file, AutoCAD file).

8 Confidentiality of Information

8.1 Contractor shall keep in strict confidence all confidential, privileged, trade secret, and proprietary information, data and other materials in any format generated, used or obtained by the City or created by Contractor in connection with the performance of the Work under this Agreement (the "Confidential Material"). Contractor shall not use any Confidential Material for any purpose other than the performance of the Work under this Agreement, unless otherwise authorized in writing by City. Contractor also shall not disclose any Confidential Material to any person or entity not connected with the performance of the Work under this Agreement, unless otherwise authorized in advance in writing by City. If there is a question if Confidential Material is protected from disclosure or is a public record or in the public domain, the party considering disclosure of such materials shall consult with the other party concerning the proposed disclosure.

8.2 Contractor, and its officers, employees, agents, and subcontractors, shall at all times take all steps that are necessary to protect and preserve all Confidential Material. At no time shall Contractor, or its officers, employees, agents, or subcontractors in any manner, either directly or indirectly, use for personal benefit or divulge, disclose, or communicate in any manner, any Confidential Material to any person or entity unless specifically authorized in writing by the City or by order of a court or regulatory entity with jurisdiction over the matter. Contractor, and its officers, employees, agents, and subcontractors shall protect the Confidential Material and treat it as strictly confidential in accordance with applicable law, City policies and directives, and best industry security practices and standards.

8.3 If any person or entity, other than City or Contractor, requests or demands, by subpoena, discovery request, California Public Records Act request or otherwise, Confidential Material or its contents, the party to whom the request is made will immediately notify the other party, so that the parties may collectively consider appropriate steps to protect the disclosure of those materials. The parties agree to take all steps reasonably necessary to preserve the confidential and privileged nature of the Confidential Material and its content. In the event that the parties cannot agree whether to oppose or comply with a disclosure demand, the opposing party may oppose the demand at its sole cost and expense, in which event the party favoring disclosure will refrain from disclosing the demanded Confidential Material until such time as a final agreement regarding disclosure is reached or, if an agreement is not reached, a judicial determination is made concerning the demand.

8.4 Unless otherwise directed in writing by the City, upon contract completion or termination, Contractor must destroy all Confidential Materials (written, printed and/or electronic) and shall provide a written statement to the City that such materials have been destroyed.

9 Compliance with Laws

9.1 General. Contractor shall perform the Work in compliance with all applicable federal, state and local laws and regulations. Contractor shall possess, maintain and comply with all federal, state and local permits, licenses and certificates that may be required for it to perform the Work. Contractor shall comply with all federal, state and local air pollution control laws and regulations applicable to the Contractor and its Work (as required by California Code of Regulations title 13, section 2022.1). Contractor shall be responsible for the safety of its workers and Contractor shall comply with applicable federal and state worker safety-related laws and regulations.

9.2 Intentionally omitted.

9.3 Contractor may perform some of the Work pursuant to funding provided to the City by various federal and/or state grant and/or loan agreement(s) that impose certain funding conditions on City and its sub-recipients (the "Funding Conditions"). For any such Work, if City informs Contractor about the Funding Conditions, then Contractor agrees to determine, comply with and be subject to the Funding Conditions that apply to City's Contractors and contractors performing the Work, including, but not limited to, provisions concerning record keeping, retention and inspection, audits, state or federal government's right to inspect Contractor's work, nondiscrimination, workers' compensation insurance, drug-free workplace certification, and, compliance with the Americans with Disabilities Act and related State laws.

10 Indemnification.

10.1 Contractor shall indemnify, defend, protect, and hold harmless City, and its officers, employees and agents (“Indemnitees”) from and against any claims, liability, losses, damages and expenses (including attorney, expert witness and Contractor fees, and litigation costs) (collectively a “Claim”) that arise out of, pertain to, or relate to the negligence, recklessness, or willful misconduct of Contractor or its employees, agents or subcontractors. The duty to indemnify, including the duty and the cost to defend, is limited as provided in this section. However, this indemnity provision will not apply to any Claim arising from the sole negligence or willful misconduct of City or its employees or agents. Contractor’s obligations under this indemnification provision shall survive the termination of, or completion of Work under, this Agreement.

10.2 This section 10.2 applies if the Contractor is a “design professional” as that term is defined in Civil Code section 2782.8. If a court or arbitrator determines that the incident or occurrence that gave rise to the Claim was partially caused by the fault of an Indemnitee, then in no event shall Contractor’s total costs incurred pursuant to its duty to defend Indemnitees exceed Contractor’s proportionate percentage of fault as determined by a final judgment of a court or final decision of arbitrator.

11 Insurance

Types & Limits. Contractor at its sole cost and expense shall procure and maintain for the duration of this Agreement the following types and limits of insurance:

<i>Type</i>	<i>Limits</i>	<i>Scope</i>
Commercial general liability	\$2,000,000 per occurrence & \$4,000,000 aggregate	at least as broad as Insurance Services Office (ISO) Commercial General Liability Coverage (Occurrence Form CG 00 01) including products and completed operations, property damage, bodily injury, personal and advertising injury
Automobile liability	\$1,000,000 per accident	at least as broad as ISO Business Auto Coverage (Form CA 00 01)
Workers’ compensation	Statutory limits	
Employers’ liability	\$1,000,000 per accident	
Professional liability*	\$1,000,000 per claim	

*Required only if Contractor is a licensed engineer, land surveyor, geologist, architect, doctor, attorney or accountant.

11.1 **Other Requirements.** The general and automobile liability policy(ies) shall be endorsed to name City, its officers, employees, volunteers and agents as additional insureds regarding liability arising out of the Work. Contractor's coverage shall be primary and apply separately to each insurer against whom claim is made or suit is brought, except with respect to the limits of the insurer's liability. City's insurance or self-insurance, if any, shall be excess and shall not contribute with Contractor's insurance. Each insurance policy shall be endorsed to state that coverage shall not be canceled, except after 30 days (10 days for non-payment of premium) prior written notice to City. Insurance is to be placed with admitted insurers with a current A.M. Best's rating of A:VII or better unless otherwise acceptable to City. Workers' compensation insurance issued by the State Compensation Insurance Fund is acceptable. Contractor agrees to waive subrogation that any insurer may acquire from Contractor by virtue of the payment of any loss relating to the Work. Contractor agrees to obtain any endorsement that may be necessary to implement this subrogation waiver. The workers' compensation policy must be endorsed to contain a subrogation waiver in favor of City for the Work performed by Contractor.

11.2 **Proof of Insurance.** Upon request, Contractor shall provide to City the following proof of insurance: (a) certificate(s) of insurance evidencing this insurance; and (b) endorsement(s) on ISO Form CG 2010 (or insurer's equivalent), signed by a person authorized to bind coverage on behalf of the insurer(s), and certifying the additional insured coverage.

12 **General Provisions**

12.1 **Entire Agreement; Amendment.** The parties intend this writing to be the sole, final, complete, exclusive and integrated expression and statement of the terms of their contract concerning the Work. This Agreement supersedes all prior oral or written negotiations, representations, contracts or other documents that may be related to the Work, except those other documents (if any) that are expressly referenced in this Agreement. This Agreement may be amended only by a subsequent written contract approved and signed by both parties.

12.2 **Independent Contractor.** Contractor's relationship to City is that of an independent contractor. All persons hired by Contractor and performing the Work shall be Contractor's employees or agents. Contractor and its officers, employees and agents are not City employees, and they are not entitled to City employment salary, wages or benefits. Contractor shall pay, and City shall not be responsible in any way for, the salary, wages, workers' compensation, unemployment insurance, disability insurance, tax withholding, and benefits to and on behalf of Contractor's employees. Contractor shall, to the fullest extent permitted by law, indemnify City, and its officers, employees, volunteers and agents from and against any and all liability, penalties, expenses and costs resulting from any adverse determination by the federal Internal Revenue Service, California Franchise Tax Board, other federal or state agency, or court concerning Contractor's independent contractor status or employment-related liability.

12.3 **Subcontractors.** No subcontract shall be awarded nor any subcontractor engaged by Contractor without City's prior written approval. Contractor shall be responsible for requiring and confirming that each approved subcontractor meets the minimum insurance requirements specified in section 11 of this Agreement. Any approved subcontractor shall obtain the required insurance coverages and provide proof of same to City in the manner provided in section 11 of this Agreement.

12.4 **Assignment.** This Agreement and all rights and obligations under it are personal to the parties. The Agreement may not be transferred, assigned, delegated or subcontracted in whole or in part, whether by assignment, subcontract, merger, operation of law or otherwise, by either party without the prior written consent of the other party. Any transfer, assignment, delegation, or subcontract in violation of this provision is null and void and grounds for the other party to terminate the Agreement.

12.5 **No Waiver of Rights.** Any waiver at any time by either party of its rights as to a breach or default of this Agreement shall not be deemed to be a waiver as to any other breach or default. No payment by City to Contractor shall be considered or construed to be an approval or acceptance of any Work or a waiver of any breach or default.

12.6 **Severability.** If any part of this Agreement is held to be void, invalid, illegal or unenforceable, then the remaining parts will continue in full force and effect and be fully binding, provided that each party still receives the benefits of this Agreement.

12.7 **Governing Law and Venue.** This Agreement will be governed by and construed in accordance with the laws of the State of California. The county and federal district court where City's office is located shall be venue for any state and federal court litigation concerning the enforcement or construction of this Agreement.

12.8 **Notice.** Any notice, demand, invoice or other communication required or permitted to be given under this Agreement must be in writing and delivered either (a) in person, (b) by prepaid, first class U.S. mail, (c) by a nationally-recognized commercial overnight courier service that guarantees next day delivery and provides a receipt, or (d) by email with confirmed receipt. Such notices, etc. shall be addressed as follows:

City:

City of Wheatland

Attn: _____

City of Wheatland, 111 C Street, Wheatland, CA 95692

E-mail: _____

Contractor:

Attn: _____

E-mail: _____

Notice given as above will be deemed given (a) when delivered in person, (b) three days after deposited in prepaid, first class U.S. mail, (c) on the date of delivery as shown on the overnight courier service receipt, or (d) upon the sender's receipt of an email from the other party confirming the delivery of the notice, etc. Any party may change its contact information by notifying the other party of the change in the manner provided above.

12.9 **Signature Authority.** Each party warrants that the person signing this Agreement is authorized to act on behalf of the party for whom that person signs. The Parties may execute and deliver this Agreement and documents necessary to perform it, including

task orders and amendments, in any number of original or facsimile counterparts. When each Party has signed and delivered at least one counterpart to the other Party, each counterpart shall be deemed an original and, taken together, the counterparts shall constitute one and the same document, which shall be binding and effective.

City of Wheatland:

Dated: _____

By: _____

[Name]
[Title]

[Name of Contractor]:

Dated: _____

By: _____

[Name/Title]

Attachment F: Summary of Proposed Equipment/System and Alternatives with Technical and Functional Questions

Answers shall be supported by product data sheets provided in Section 6 of this proposal. Due to variability of options available from each manufacturer, this may also be completed for one alternative proposed set of equipment in addition to the primary proposal, but alternative is not required.

1. Fill in the following table with the proposed meter information (this is intended to be a summary and not a replacement for tables required in technical questions):

Size	Manufacturer/Model	Meter Type	Length of time sold/ # in service	Low flow accuracy
Service / Demand Meters				
¾" – 1"				
1.5" – 2"				
3"				
4"				
6"				
Supply Meters				
6"				
8"				

2. Proposed AMI system type/brand:
Type: Cellular / Fixed Network / Other _____
AMI System Brand: _____
3. Power type, Battery Life and Warranties

Equipment/ Model or Series	Summary of Power supply / battery life ¹	Summary of warranty periods and warranty cost coverage
Meter: (by model/series)		
Encoded Register:		
Endpoint:		
AMI System Components (as applicable)		

Specify proposed number of data reading transmissions per day: _____

Technical and Functional Questions

1.0 Water Meter Replacement	
1.1	If applicable, identify any of the estimated installation work requirements and costs that are noted to be performed by others which can be avoided or reduced based on the meter equipment included in your proposal.
2.0 Water Meters	
2.1	What brand of water meter are you proposing and pricing? For each meter size, provide in tabular format: model, type, material, operating flow range, extended low flow range, AWWA Standards met, length of time deployed.
2.2	Describe the warranty period for the proposed water meters with prorated warranty table, if applicable.
2.3	What is the meter register's resolution for each of the proposed encoder/registers and with which meters will each be used?
2.4	Provide detailed description of the water pressure reading capabilities which will be provided with the proposed meters and the system installation, including reading of pressures by AMI system.
3.0 AMI System	
3.a AMI System General	
3.a.1	Describe the type of AMI system being proposed (e.g. Fixed Base, Cell, Mesh) giving an overview of system components. Include how the reads are transmitted to the collectors/repeaters and back to the head end server. In an appendix to your response provide specification sheets for meters, registers and the meter reading system including endpoint modules, system software, collectors and repeaters, as applicable.
3.a.2	What is the FCC radio bandwidth for the proposed meter endpoint/transmitter equipment? Explain the benefits of the proposed bandwidth.
3.a.3	How many years has the proposed AMI technology been deployed?

3.a.4	Describe the FCC compliance status of your equipment and who retains ownership of the license?
3.a.5	Is there a backup reading method if the primary method fails or is temporarily disabled?
3.a.6	For the AMI system proposed, provide the total number systems and endpoints supplied in the past 12 months.
3.a.7	Does proposer provide break-fix ticketing, triage, and trouble call dispatching for AMI operations? Is this included with proposed cost, or as a separate option? If as a separate option, provide cost of option here.
3.b Collector Unit/Repeaters	
3.b.01	To the extent expected for this system, describe in general terms the primary collector, boosters/repeaters and other system hardware that will be required to serve the entire area within the City of Wheatland City limits including quantities and rough mapped layout. The City prefers the installation of all collector units on City owned property.
3.b.02	Can the proposed AMI system add additional collector/repeater units without reconfiguring the system?
3.b.03	What are the collector/repeater power supply requirements? Does the proposed Collector/Repeater have battery backup power? If so, what is the expected life of the battery?
3.b.04	What is the Collector's data storage capacity?
3.b.05	Describe the Collector's backhaul communication method(s) for transmitting data to the head end/network computer – e.g., cellular, virtual private network (VPN), etc.
3.b.06	What is the City's proposed responsibility for backhaul licensing and costs?
3.b.07	Describe system security measures against hacking or malicious intervention.

3.b.08	How is the Collector designed to protect against static discharge and indirect lightning strikes?
3.b.09	Does the system provide time synchronized time stamped meter reads? Describe how the system maintains time synchronization across the network.
3.b.10	Describe the expected Collector/Repeater life and the typical maintenance schedule for Collector/Repeater for the first 20-year period of operation.
3.b.11	What is the warranty provided for the Collector Unit? For repeater/booster units?
3.c. Endpoints & Field Programming Equipment	
3.c.1	What is the proposed Endpoint module transmission output power?
3.c.2	Does the proposed read frequency of the Endpoint differ from the specified amount? If so, enumerate.
3.c.3	Describe the warranty period for the proposed endpoint and provide prorated warranty table if applicable.
3.c.4	Does your meter reading system provide at least hourly aggregate consumption in total, by user type, and by geographic area so that City can integrate data from the AMI database with the City's SCADA. Describe hourly and daily reading aggregation capabilities for system analysis.
3.c.5	Does the meter reading system have a feature that allows the utility owner to "wake up" the endpoint and transmit a message or command at any time of day? Describe two- way communication capabilities.
3.c.6	Can the Endpoint transmissions read interval be reprogrammed? If so, can it be done from the utility office?



City of Wheatland
 111 C Street
 Wheatland, CA 95692
 Phone: (530) 633-2761

June 24, 2020

ADDENDUM NO. 1
To
REQUEST FOR PROPOSAL
for
Advanced Metering Infrastructure Project

Each proposal shall acknowledge receipt of this addendum by reference to its number and date in the cover letter. Failure to acknowledge this addendum will impact overall score of the proposal. Below is a summary of changes to the RFP.

Changes

Item	RFP Section	Description
A1-1	3.0 Proposer Response Format	The mandatory pre-proposal conference is hereby cancelled and will not be required. No pre-proposal conference will be held.
A1-2	3.1 Proposal	Replace Section 7 description with the following: Cost Proposal. The cost proposal shall be broken down by individual items as specified in Attachment C. Table C1 is to be completed based on the Proposer's fee estimate to complete all items proposed. <u>Table C1.1 is to be completed with quotes of firm pricing at which proposer agrees to sell the proposed meters and endpoints, as applicable for the associated installation project.</u> Table C3 only needs to be filled in to the extent Proposer intends to offer the alternative material or service.
A1-3	Attachment C, Project Costs	Replace description and table for "Meter and Endpoint List Pricing" with the text and table on Page 4 of this addendum.

Questions regarding this RFP have been received. The City responses are provided as follows:

	Question	Response
1	Will the pre-proposal meeting be offered remotely?	The mandatory pre-proposal conference is hereby cancelled and will not be required. No pre-proposal conference will be held.
2	Will the meter and endpoint installation contract be decided via a bid process?	Yes.

	Question	Response
3	Please confirm how the meters proposed under this process will be selected and used.	<p>The RFP states:</p> <ol style="list-style-type: none"> 1. In the fourth paragraph of "Section 1.0 Project Summary" (on Page 1): <i>"It is the intent of this RFP for the City of Wheatland to obtain proposals for selection of a single brand of water service meters and endpoints to be specified in the City's water system improvement standards, and for the turn-key installation of a single AMI system to serve all connections in the City, including training for city staff and customers for the respective interface portals provided. The meters and endpoints to be selected under this proposal process will be procured and installed under a separate contract."</i> 2. In Attachment D under the specification for "Item E1a-E1k. Water Meters" (on Pages D-7 and D-8): <i>"The meters proposed by the selected and awarded AMI system proposer will be specified for use in the separate meter replacement contract. The meters selected by the City for use through this proposal will also be incorporated in the City's water system improvement standards. The City reserves the right to consider and use other models of meters produced by the same manufacturer for all service (demand) meters."</i>
4	Will the meters/endpoints be sold by the AMI proposers to the City or will they be sold to the holder of the meter/ endpoint/ installation contract?	The current plan is to have the meters/endpoints procured by the holder of the meter/ endpoint/ installation contract. This process does not preclude the ability of the City to contract for the procurement of the meters and endpoints separate from the installation.
5	If sold to the holder of the installation contract, will the AMI/meter vendor sell the meters/ endpoints at the price provided in their RFP response?	Attention is directed to Items A1-2 and A1-3 of this addendum to answer this question.
6	Will the meter/meter box audit be part of the meter/ endpoint installation contract?	No. The City plans to have selected vendor from this RFP process provide the meter audit in order to refine and adjust the installation work requirements that will be bid.
7	I can't find any specs on the water meter boxes Wheatland uses? Can you send me a link or some specs?	No water meter boxes will be procured or installed under this contract.

	Question	Response
8	<p>For the well site meters:</p> <p>What are the sizes needed?</p> <p>Will there be electricity available?</p> <p>Will a SCADA output be required?</p>	<p>Well Site meter sizes are shown on Table D-2 below.</p> <p>120V electricity is available at each supply/well meter location.</p> <p>SCADA output is required for each supply/well meter.</p>

Table D-2 - Supply Well Details

Well No.	Location Description	Meter Size/Type	Work to be done by others
3	City of Wheatland Corp Yard	8"	To be Replaced and add test port
4	2 nd & Olive St	6"	To be Replaced and add test port
5	Evergreen	6"	To be Replaced and add test port
5	Evergreen (secondary meter)	8"	No changes (will remain)
6	Southeast corner of Wheatland High School	6"	To be Replaced and add test port
8	Carpenter Way	6"	To be Replaced and add test port

Meter and Endpoint Pricing

In the interest of identifying all costs of providing the complete AMI system as proposed for the City of Wheatland's potable water system and establishing Not-To-Exceed sales prices for the proposed meters and endpoints to be provided for the subsequent installation project, current list pricing will be used to estimate cost to furnish the proposed meters and endpoints in Table C1.1. Submitted not-to-exceed pricing is expected to be valid for up to 12 months from date of submittal.

TABLE C1.1 – NOT-TO-EXCEED PRICES FOR PROPOSED METERS AND ENDPOINT EQUIPMENT						
Item	Description	Quantity	Units	Unit Price	Unit Cost (Unit Price plus sales tax and shipping)	Total Estimated Cost
E1a	¾" Water Meters	604	EA			
E1b	¾" with ASV*	10	EA			
E1c	1" Water Meters	485	EA			
E1d	1" with ASV*	10	EA			
E1e	1-1/2" Water Meters	22	EA			
E1f	2" Water Meters	15	EA			
E1g	3" Water Meters	1	EA			
E1h	4" Water Meters	1	EA			
E1i	6" Water Meters (demand)	3	EA			
E1j	6" Water Meters (supply)	4	EA			
E1k	8" Water Meters (supply)	1	EA			
E2	Endpoint	1,151 ¹	EA			

Note 1 – Endpoint quantities may be stated to vary where endpoints are built into some certain proposed meters.

Addendum prepared by:



Asa Utterback, PE
Senior Engineer, Coastland Civil Engineering



City of Wheatland
 111 C Street
 Wheatland, CA 95692
 Phone: (530) 633-2761

July 10, 2020

ADDENDUM NO. 2
To
REQUEST FOR PROPOSAL
for
Advanced Metering Infrastructure Project

Each proposal shall acknowledge receipt of this addendum by reference to its number and date in the cover letter. Failure to acknowledge this addendum will impact overall score of the proposal. Below is a summary of changes to the RFP.

Changes

Item	RFP Section	Description
A2-1	1.0 Project Summary (p. 1)	Revise the title of cost item 2 to read <i>“Advanced Metering Infrastructure System (Cellular or Fixed Network)”</i>
A2-2	3.1 Proposal Section 7 description (p. 3)	Replace the following text: Table C3 only needs to be filled-in to the extent Proposer intends to offer the alternative material or service. With: Table C3 only needs to be filled-in to the extent Proposer intends to offer the alternative optional material or service.
A2-3	4.0 Selection Criteria (p. 5)	Remove the last sentence from Evaluation criteria for Qualifications, Experience and History of Proposed Vendor Team. Description should read: <i>“Size, qualifications and experience of proposed vendor and/or contractor. Demonstrate quantity and duration of proposed AMI water systems and meter equipment in use. Also show amount of installations performed by the proposed installation company.”</i>
A2-4	Attachment C, Table C1 – Proposed AMI Contract Costs	Revise the title of cost item 2 to read <i>“Advanced Metering Infrastructure System (Cellular or Fixed Network)”</i>

A2-5	Attachment D; Item 2. Advanced Metering Infrastructure System (Cellular or Fixed Network) (p. D-6)	Revise the bulleted list of costs to be included in the lump sum cost provided for Item 2 to include: <ul style="list-style-type: none"> • 20-year data plan costs to city for all cellular endpoints
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Questions regarding this RFP have been received. The City responses are provided as follows:

	Question	Response
1	In regards to the meter audit, what is the account number and account type according to City-provided data?	Account number is the unique number associated with each billing account. The City will provide account numbers to the awarded proposer. The City has experienced difficulty extracting some account related information from the utility billing software. Recent efforts have resulted in duplicate account numbers (potentially due to billing aggregation), null values, etc. This is expected to be resolved by the awarded proposer as part of the data gap analysis. Proposer should plan to have some direct contact with the City's utility billing vendor (Tyler Technologies) as necessary to extract all account data needed to perform the work under this contract and for use during the meter installations.
2	Regarding the meter audit, what is the customer name associated with account according to City-provided data?	Customer name is the name of the individual to which the account is billed to. The City will provide customer names to the awarded proposer.
3	Regarding the meter audit, what is the name and phone number of contact person according to City-provided data?	Contact Person is the point of contact for each residence or account #. The City will provide name and phone number of contact person to the awarded proposer.
4	Will any vendor looking to submit a solution for a cellular endpoint be required to produce a clear cost for the full 20 yrs of that product use? ie. Data plan per device cost through 20 yrs?	See Addendum item A2-5 for clarification.

	Question	Response
5	There does not appear to be any service connections out near the far east side of the city limits. Would the proposer need to plan for AMI coverage for any potential coverage now? Or would it be that the proposer demonstrate how their solution can expand and migrate forward with any city growth?	Proposer should demonstrate how their solution can expand and migrate forward with future City growth within the existing City Limits. No current coverage beyond the existing service zone is required for the initial AMI system. Demonstration of how far the initial coverage will extend within the City Limits is required.
6	Does the project management scope need to include a call center? How about production of door hangers?	Providing a call center or customer service line is not a required part of the solution, but it could add value in the rating system to the extent it enhances the services provided. Door hangars are not needed for the work being performed under this contract.
7	Question 2.1 of the Technical and Functional Questions is asking for a tabular format and seems similar to Attachment F-1. Are you asking for another similar reporting of that same information?	Yes, we are asking for two similar forms of reporting. The information on Page F-2 of Attachment F is intended to be a summary of the proposed meters which will be used as a quick reference for review purposes, whereas question 2.1 is expected to include more thorough and detailed information.
8	Section 7, referring to the cost proposal states that Table C3 needs to be completed is there is an intent to provide an alternative material. The table right now is only structured for customer portal and handhelds. Will there be something else provided for a secondary meter type offering?	If a proposer desires to provide an alternative material and pricing (such as pricing for mechanical meters vs. ultrasonic/electromagnetic meters), a second version of table C1.1 should be submitted with the proposal. See Addendum Item A2-2 for further clarification regarding the text description for Section 7 on page 3. The City will evaluate the 20-year life cycle costs of each alternative submitted and consider each separately. Metering alternatives are not required, but have the potential to add value to the scoring of an AMI system by demonstrating both newer meter technology and older longevity with the differing costs.

	Question	Response
9	<p>In Section 4.0 Selection Criteria, first category of qualifications the description reads: <i>Size, qualifications, and experience of proposed vendor and/or contractor. Demonstrate quantity and duration of proposed AMI water systems and meter equipment in use. Also show amount of installations performed by the proposed installation company.</i> Will the point value change as this RFP is not proposing an installation company?</p>	<p>The sentence regarding “amount of installations performed by the proposed installation company” is being removed with this addendum. See Addendum Item A2-3 for clarification.</p>
10	<p>Is prevailing wage required on labor performed during the audit? If so, is there a special determination for the labor code that is to be used?</p>	<p>At this time, it is our understanding that the labor performed during the meter box audit is not subject to prevailing wage requirements.</p>

Addendum prepared by:



Asa Utterback, PE
Senior Engineer, Coastland Civil Engineering



City of Wheatland
 111 C Street
 Wheatland, CA 95692
 Phone: (530) 633-2761

July 16, 2020

ADDENDUM NO. 3
To
REQUEST FOR PROPOSAL
for
Advanced Metering Infrastructure Project

Each proposal shall acknowledge receipt of this addendum by reference to its number and date in the cover letter. Failure to acknowledge this addendum will impact overall score of the proposal. Below is a summary of changes to the RFP.

Changes

Item	RFP Section	Description
A3-1	Attachment D, Specification and Scope of Work, Item 2, Paragraph 1.d)	Revise Paragraph 1.d) under Item 2. Advanced Metering Infrastructure System (Cellular or Fixed Network) of Attachment D to read: The collector/repeater unit locations shall be determined by the reading solution manufacturer as part of this proposal based on a propagation study performed by the manufacturer. The proposed number of collector and repeater units shall provide 100 percent coverage for the initial service territory without the need for any additional equipment. Propagation study shall identify the estimated additional equipment needed to cover all currently unserved areas in existing City Limits.
A3-2	Attachment D, Specification and Scope of Work, Item 2	Under Item 2. Advanced Metering Infrastructure System (Cellular or Fixed Network) of Attachment D, all remaining references to collector units shall be considered to apply to and allow for repeater units depending upon the needs and configuration of the fixed-network system being proposed.
A3-3	Attachment D, Specification and Scope of Work, Item 2	Under Item E1a-E1k. Water Meters, Part 2, seventh bullet (3 rd bullet on Page D-9) shall be revised to read: Meter casing must be made of a stainless steel, bronze or copper alloy material, where available. Plastic or polymer meter bodies are only acceptable where ultrasonic or magnetic flow meters are being proposed.

Additional questions regarding this RFP have been received. The City responses are provided as follows:

	Question	Response
1	<p><i>Page D-11, Housing: The endpoints will be housed in a molded plastic housing, hermetically sealed and resistant to rain, moisture, and temperature changes from -40 to +140 degrees F, and capable of being submerged underwater without damage. The enclosure must house the complete unit, which includes electronics, battery compartment, antenna, and wire connections. The meter lids will need to be modified or replace lids as needed to ensure the antenna edges do not protrude above the meter lid and meter lid/antenna edges are flush the ground surface.</i></p> <p>There is no place to provide any cost associated with lid replacements or modifications. This work will be done by the second RFP for the contractor, but does the city want to know the cost for these options? If meter lid replacement, what type of material would the city choose to go with?</p>	<p>Table C1.2 Engineer’s Estimated Installation Costs for Work By Others accounts for the meter lid and box replacements using values estimated by City. The proposer does not need to provide pricing for these items.</p>
2	<p>Warranty management - The Proposer awarded this AMI item is responsible for installations and warranties of the AMI system installed under this contract.</p> <p>Is the city to accept that the warranties for the products fall to the manufacture warranties and not from the proposer? Is project management to warranty any issues caused by the city’s selection of the installer.</p>	<p>The proposer is to show how the warranty of the AMI system that is installed under this contract is provided and supported.</p> <p>The products installed under the installation contract will fall under the manufacturer warranty. The products proposed shall come with a manufacturer warranty that satisfies the warranty requirements stated in the RFP.</p>
3	<p><u>Attachment E, Section 3.2</u> <i>“This Agreement may be terminated at any time by City upon 10 days advance written notice to Contractor.”</i></p> <p>Assuming the city would still pay for any product or materials ordered prior to any written notification of termination?</p>	<p>The intent of Section 3.2 is that the Contractor would be fairly compensated under California law for goods and services received and committed up to the time of termination. Compensation for the costs of ordered goods would be determined by the real cost of terminating the order at the time of contract termination if the City does not intend to take possession of the ordered goods.</p>

	Question	Response
4	<p><u>Attachment E, Section 7</u> <i>"All works of authorship and every report, study, spreadsheet, worksheet, plan, design, blueprint, specification, drawing, map, photograph, computer model, computer disk, magnetic tape, CAD data file, and any other document or thing prepared, developed or created by Contractor under this Agreement and provided to City ("Work Product") shall be the property of City, and City shall have the rights to use, modify, reuse, reproduce, publish, display, broadcast and distribute the Work Product and to prepare derivative and additional documents or works based on the Work Product without further compensation to Contractor or any other party."</i></p> <p>Does the City know that they will own the license to use the software, but not own the software?</p>	<p>Yes, the City understands that the City will own a license to use the software, but not the software itself. Attachment E is the City's standard consultant form and will be used as a basis for the project, but modifications to the terms of the final contract may be negotiated depending on the mutual agreement of the City and the proposer, if needed.</p>
5	<p><u>Attachment E, Section 9.3</u> <i>"Contractor may perform some of the Work pursuant to funding provided to the City by various federal and/or state grant and/or loan agreement(s) that impose certain funding conditions on City and its sub-recipients (the "Funding Conditions"). For any such Work, if City informs Contractor in writing about the Funding Conditions and Contractor acknowledges receipt of such notice, then Contractor agrees to determine, comply with and be subject to the Funding Conditions that apply to City's Contractors and contractors performing the Work, including, but not limited to, provisions concerning record keeping, retention and inspection, audits, state or federal government's right to inspect Contractor's work, nondiscrimination, workers' compensation insurance, drug-free workplace certification, and, compliance with the Americans with Disabilities Act and related State laws."</i></p> <p>Can we recommend that any funding conditions be specifically incorporated into this agreement? Can it be, at minimum, the City must inform in writing with acknowledgement by Contractor?</p>	<p>It is the City's understanding that all required funding conditions have been incorporated in the RFP document and Attachment E City Standard Consultant Contract. Should other requirements need to be incorporated which go beyond the contracted requirements, the impact of those additions would need to be negotiated in good faith as a change to the contract.</p>

	Question	Response
6	<p><u>Page D-3, Item f)</u> <i>Collector units shall be capable of being mounted on roofs, utility poles, streetlights, towers, elevated storage tank, etc., to collect readings from all meters in the coverage area. No special tower construction will be allowed.</i></p> <p>If a collector is attached to the streetlight pole, is there power available through that pole? Just standard 110 AC power is needed.</p>	<p>It is anticipated that 110V AC power can be obtained from the street lighting electrical and mounting on certain lights will be conditionally allowed. Doing so will require Contractor to coordinate, obtain permission from and achieve compliance with requirements of PG&E and the City in advance.</p>
7	<p><i>There are 1,151 service (demand) meters and 6 active supply meters within the existing City system. Table D-1 provides a schedule of the estimated quantity of existing meters by size and use.</i></p> <p>Table D-1 only shows 5 supply meters. Do any of the other three 6" demand meters require the ability to provide output for SCADA controls? Is the supply meter count 5 or 6? If 6, what size is the 6th meter?</p>	<p>The 6-inch demand meters do not require the ability to provide output for SCADA controls.</p> <p>The City needs five (5) 6-inch supply meters replaced. The sixth meter that is noted in Paragraph 1 of "Item E1a-E1k Water Meters" is a secondary 8-inch meter on Well #5 which does not need to be replaced. This project involves four 6-inch supply meters and one 8-inch supply meter.</p> <p>Refer to Addendum #1, Question 8/Table D-2 for meter sizes and the work to be performed at each location.</p>
8	<p>There is conflicting information in the RFP to whether a RF Repeater/ Signal Booster or would be allow or if only collectors are desired, can you please confirm whether or not RF repeaters would be okay?</p>	<p>The City will consider AMI systems which include the use of repeaters or boosters.</p> <p>See Items A3-1 and A3-2 for the changes made to clarify this.</p>

Addendum prepared by:



Asa Utterback, PE
Senior Engineer, Coastland Civil Engineering

**MUELLER SYSTEMS
MASTER AGREEMENT**

THIS MASTER AGREEMENT (this “**Agreement**”) is entered into this _____ day of _____ between MUELLER SYSTEMS, LLC, a Delaware limited liability corporation having its principal offices at 10210 Statesville Blvd, Cleveland, North Carolina 27013 (referred to in this Agreement as “**Mueller Systems**” or “**Provider**”), and _____ (referred to in this Agreement as “**Customer**” or “**Purchaser**”). This Agreement governs the sale by Provider and the purchase by Customer for its own use and not for resale of, as applicable, Equipment, Software, Documentation and other items related to advanced metrology infrastructure systems. In the event of any conflict or inconsistency between the terms and conditions of this Agreement and terms and conditions of any other agreement or document, the terms and conditions of this Agreement shall govern and control and the conflicting or inconsistent terms and conditions are hereby rejected. In consideration of the mutual obligations set forth in this Agreement, Customer and Mueller Systems agree as follows:

1. DEFINITIONS.

a. “**Content**” means the information developed or legally acquired by Customer which may be used in connection with or accessed by any module of the Software.

b. “**Documentation**” means the user guides, reference manuals, and installation materials provided by Provider to Customer related to the Software and Equipment.

c. “**Equipment**” means the components, devices, products, equipment and related items provided by Provider identified in Appendix A.

d. “**Services**” means activities related to deployment and installation services, repair services, hosting services and technical support/maintenance services as provided by Mueller Systems and as identified in Appendix B.

e. “**Software**” means the object code versions of Mueller Systems’ software identified in Appendix A, together with all subsequent authorized updates, replacements, modifications or enhancements.

2. SOFTWARE

a. Software on Equipment License. For Equipment purchased by Customer from Mueller Systems, Mueller Systems hereby grants Customer a limited, non-exclusive, non-sublicensable, non-transferable, perpetual, irrevocable license to use and execute the Software embedded in the Equipment for its internal business purposes in connection with such Equipment (“Firmware”).

b. Online Software Access. Subject to the terms of this Agreement and the payment of the fees specified in Section 6a herein, Mueller Systems grants to Customer, for its internal business purposes and during the term of this agreement, a limited, non-exclusive, non-sublicensable, non-transferable right to access and use and make available to Customer’s utility users, as applicable, and/or employees the online, hosted Software specified herein.

c. Restrictions. Except as specifically and expressly permitted in writing by Mueller Systems, Customer shall not (i) violate any restriction set forth in this Agreement; (ii) modify, translate, de-compile, reverse compile, disassemble, or create or attempt to create, by reverse engineering or otherwise, the source code from the object code of the Software; (iii) adapt the Software in any way for use to create a derivative work; or (iv) include or combine the Software in or with any other software.

d. Ownership. This Agreement does not grant to Customer any ownership interest in the Software or Documentation. Customer has a license to use the Software and Documentation as provided in this Agreement. Customer hereby agrees and acknowledges that Mueller Systems owns all right, title, and interest in the Software and Documentation, and Customer will not contest those rights or engage in any conduct contrary to those rights. Any copy, modification, revision, enhancement, adaptation, translation, or derivative work of or created from the Software and Documentation made by or at the direction of Customer shall be owned solely and exclusively by Mueller Systems, as shall all patent rights, copyrights, trade secret rights, trademark rights and all other proprietary rights, worldwide.

e. Reservation. Mueller Systems reserves all rights not specifically granted under this Agreement.

3. **EQUIPMENT** In consideration of the fees set forth in Appendix D of this Agreement, Mueller Systems will provide the Equipment identified in Appendix A.

4. **SERVICES** In consideration of the fees set forth in Appendix D of this Agreement, Mueller Systems will provide the Services identified in Appendix B.

5. **CONFIDENTIALITY** The Software, Equipment and Documentation, including any ideas, concepts, know-how and technology contained therein, shall be considered the proprietary and confidential information of Mueller Systems and, as such, shall be subject to the confidentiality provisions of this Agreement. If a separate, written non-disclosure agreement exists between Mueller Systems and Customer, such agreement will control and will apply according to its terms and conditions to all confidential information the parties exchange with each other. If no separate, written non-disclosure agreement exists between Mueller Systems and Customer, the terms listed in Appendix C will apply to the confidential information the parties exchange with each other.

6. **FEES AND PAYMENT**

a. Software Fees. Customer shall pay the Software fees set forth in Appendix D of this Agreement.

b. Equipment Fees. Customer shall pay the Equipment fees set forth in Appendix D of this Agreement. Title to the Equipment, except the Software and Documentation that are subject to licenses provided in this Agreement, passes from Mueller Systems to Customer when Mueller Systems ships the Equipment.

c. Service Fees. Customer shall pay the Service fees set forth in Appendix D of this Agreement.

d. Taxes. All prices and fees are in U.S. dollars unless otherwise specified. All amounts payable under this Agreement are exclusive of all sales, use, value-added, excise, property, withholding, and other taxes and duties. Customer will pay all taxes and duties assessed by any

authority in connection with this Agreement and with Customer's performance hereunder. Customer will promptly reimburse Mueller Systems for any and all taxes or duties that Mueller Systems may be required to pay in connection with this Agreement or its performance. This provision does not apply to taxes based on Mueller Systems' income, or any taxes for which Customer is exempt, provided Customer has furnished Mueller Systems with a valid tax exemption certificate.

e. Payment. Unless provided otherwise herein, Customer agrees to pay all amounts specified in Appendix D or otherwise due under this Agreement within thirty (30) days after the date of invoice. Past due amounts will shall bear interest from the due date until paid at a rate of (i) one and one-half percent (1.5%) per month or (ii) the maximum rate permitted by law, whichever is less. All payments made under this Agreement shall be nonrefundable, except as specifically provided otherwise in this Agreement.

7. **TERM; TERMINATION**

a. Term. The term of this Agreement is one (1) year commencing upon the date of this Agreement. This Agreement will automatically renew for subsequent, successive one (1) year periods at the then-current Mueller Systems prices unless either party gives the other party written notice of its intent to not renew at least thirty (30) days prior to the expiration of the then current term. Mueller Systems may increase support fees at any time on thirty (30) days prior notice to Customer. Within such thirty (30) days, Customer may terminate the Agreement by providing written notice to Mueller Systems.

b. Termination for Breach. If either party breaches this Agreement, and such breach is not cured within thirty (30) days of the breach, after receiving written notice, the non-breaching party may terminate this Agreement, including all licenses provided herein, effective upon written notice to the other party.

c. Effect of Termination. Termination of this Agreement shall have the effect designated in Appendix B.

d. Non-Exclusive Remedy. Termination of this Agreement or any license granted hereunder shall not limit the remedies otherwise

available to either party, including injunctive relief.

e. Survival. Unless otherwise stated herein, any provision that, by its nature or terms, is intended to survive the expiration or termination of this Agreement, will survive.

8. LIMITED WARRANTIES; REMEDIES

a. Software. Subject to the exclusions herein, including those in Appendix A, Mueller Systems warrants that commencing from the date of shipment or provision to Customer and continuing for the period set forth in Appendix A (the "**Warranty Period**"), (i) the media on which the Software is furnished will be free of defects in materials and workmanship under normal use; and (ii) the Software will perform substantially in conformance with the applicable Documentation provided to Customer by Mueller Systems. Mueller Systems does not warrant that the Software will operate in combinations with other software, except as specified in the Documentation, that the Software will meet the Customer's requirements or that the operation of the Software will be uninterrupted or error-free. Customer assumes responsibility for taking adequate precautions against damages which could be caused by defects, interruptions or malfunctions in the Software or the hardware on which it is installed. Mueller Systems' entire obligation and Customer's exclusive remedy with respect to the Software warranties set forth above shall be, at Mueller Systems' option, to either (x) repair or replace any Software containing an error or condition which is reported by Customer in writing to Mueller Systems which causes the Software not to conform with the warranty set forth herein; or (y) refund a pro-rated amount paid by Customer to Mueller Systems and terminate this Agreement and all licenses provided herein.

b. Services. Mueller Systems warrants that all services provided by it to Customer under this Agreement shall be performed in a workmanlike manner. Mueller Systems' entire obligation and Customer's exclusive remedy with respect to the Service warranties set forth above shall be the re-performance of the applicable non-conforming Service.

c. Equipment. Subject to the exclusions herein, including those in Appendix A, Mueller Systems warrants to Customer that the Equipment will comply with provided specifications for the

periods specified in Appendix A. Claims under this Section will be considered if submitted to Mueller Systems within sixty (60) days following the discovery of any noncompliant Equipment covered by this Agreement and provided Mueller Systems or its agents are permitted a commercially reasonable opportunity to examine and analyze the Equipment claimed to be noncompliant. Mueller Systems' entire obligation and Customer's exclusive remedy with respect to the Equipment warranties set forth herein, at Mueller Systems' option, is repair or replacement of any Equipment found noncompliant, subject to the terms and conditions herein, during the applicable warranty period after such Equipment is properly packaged and returned prepaid to Mueller Systems' designated service center.

d. Costs. Any and all costs associated with uninstalling and shipping noncompliant Equipment and Software will be the responsibility of Customer. Any costs associated with installation of replacement Equipment and Software, which was installed by Mueller, shall be the responsibility of Mueller for one (1) year from the date of shipment to Customer.

e. Exclusions. The warranties provided by Mueller Systems shall not apply to Equipment and/or Software which: (i) have been altered, except with the express written consent, permission or instruction of Mueller Systems, (ii) have been used in conjunction with another product resulting in the defect, except for those third party products specifically approved by Mueller Systems, (iii) were other than the most current version of the Software (but only to the extent that any failure of the Software would have been avoided by the use of the most current version), (iv) have been damaged by improper environment, abuse, misuse, accident, negligence, act of God, excessive operating conditions, or unauthorized attachments or modifications, (v) have not been properly installed and operated in accordance with the Documentation, or as otherwise instructed by Mueller Systems, or (vi) any other exclusion set forth in any Appendix hereto.

f. DISCLAIMERS. TO THE EXTENT PERMITTED BY APPLICABLE LAW, THE WARRANTIES AND REMEDIES STATED ABOVE ARE EXCLUSIVE AND NO OTHER WARRANTIES OR REMEDIES EXPRESS, IMPLIED OR STATUTORY, APPLY TO THE DOCUMENTATION, THE SOFTWARE, THE

EQUIPMENT OR ANY SERVICES TO BE PROVIDED BY MUELLER SYSTEMS UNDER THIS AGREEMENT, INCLUDING BUT NOT LIMITED TO WARRANTIES OR CONDITIONS OF TITLE, NON-INFRINGEMENT, MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, QUALITY OR PERFORMANCE, AND ANY IMPLIED WARRANTY ARISING FROM COURSE OF PERFORMANCE, COURSE OF DEALING OR USAGE OF TRADE, ALL OF WHICH MUELLER SYSTEMS EXPRESSLY DISCLAIMS.

9. **INDEMNIFICATION.** Mueller Systems will indemnify and defend Customer from any third party claim that the Software and Equipment infringe on another person's or company's patent, copyright or other intellectual property right as specified in this Section. This indemnity does not cover and specifically excludes (a) intellectual property rights recognized in countries and jurisdictions other than the United States, and (b) claims relating to infringement of intellectual property rights by a third party's products and software. Mueller Systems has no obligation under this Section for any claim to the extent it results from or arises out of Customer's modification of the Equipment or Software or from any combination, operation or use of the Software or Equipment with other third party products or services. Mueller Systems' duty to indemnify under this Section is contingent upon Mueller Systems receiving prompt notice of a claim and Mueller Systems' right to solely control resolution of a claim. Customer's sole remedy for an indemnified claim under this Section is as follows: Mueller Systems will, at its expense and in its discretion either (a) resolve the claim in a way that permits Customer's continued ownership and use of the affected Software and Equipment, (b) provide a comparable, non-infringing replacement at no cost to Customer, or (c) accept return of the Software and Equipment, provide a reasonable depreciated refund and terminate this Agreement and all licenses herein. This Section is the exclusive statement of Mueller Systems' liability and responsibility for indemnifying Customer for infringement of intellectual property rights

10. **LIMITATION OF LIABILITY.**

a. MUELLER SYSTEMS' MAXIMUM LIABILITY HEREUNDER IS EXPRESSLY LIMITED TO THE TOTAL AMOUNT PAID

FOR THE SOFTWARE, SERVICES, AND EQUIPMENT IN THE IMMEDIATELY PRECEDING TWELVE (12) MONTHS AND WILL UNDER NO CIRCUMSTANCE EXCEED THE AMOUNT PAID BY CUSTOMER IN THE IMMEDIATELY PRECEDING TWELVE (12) MONTHS FOR THE SOFTWARE, SERVICES AND EQUIPMENT PROVIDED BY MUELLER SYSTEMS UNDER THIS AGREEMENT. Some states do not allow the limitation and/or exclusion of liability for incidental or consequential damages, so the above limitation may not apply.

b. The provisions of this Agreement allocate the risks between Customer and Mueller Systems. Mueller Systems' pricing reflects this allocation of risk and the limitations of liability specified herein.

11. **NOTICE.** All notices required to be given hereunder shall be in writing. Notice shall be considered delivered and effective upon receipt when sent by registered or certified mail, return receipt requested, addressed to the parties as set forth above. Either party, upon written notice, may change any name or address to which future notice shall be sent.

12. **GENERAL.** The Software will not be exported or re-exported in violation of any export provisions of the United States or any other applicable jurisdiction. The rights and obligations of this Agreement are personal rights granted to the Customer only. The Customer may not transfer or assign any of the rights or obligations granted under this Agreement to any other person or legal entity. Any such purported transfer or assignment shall be null and void. Mueller Systems will be free of liability to the Customer where Mueller Systems is prevented from executing its obligations under this Agreement in whole or in part due to force majeure, such as earthquake, typhoon, flood, fire, and war or any other unforeseen and uncontrollable. Any modification or amendment to any of the provisions of this Agreement will be in writing and signed by an authorized officer of each party. This Agreement does not create or imply any relationship in agency or partnership between the parties. Headings are inserted for the convenience of the parties only and are not to be considered when interpreting this Agreement. The validity of this Agreement and the rights, obligations, and relationship of the parties resulting from same will be interpreted and

determined in accordance with the law of the State of Delaware, and applicable federal law, without regard to its choice of law provisions. The parties specifically exclude from application to the Agreement the United Nations Convention on Contracts for the International Sale of Goods and the Uniform Computer Information Transactions Act. If any provision of this Agreement is contrary to and in violation of any applicable law, such provision will be considered null and void to the extent that it is contrary to such law, but all other provisions will remain in effect. The waiver or failure of either party to exercise any right herein shall not be deemed a waiver of any further right hereunder. This Agreement constitutes the entire agreement between the parties with respect to the subject matter hereof and supersedes all other prior and contemporary agreements, understandings, and commitments between the parties regarding the subject matter of this Agreement.

[Signatures Appear on the Following Page]

EACH PARTY ACKNOWLEDGES THAT IT HAS READ THIS AGREEMENT, UNDERSTANDS IT, AND AGREES TO BE BOUND BY ITS TERMS AND CONDITIONS.

Mueller Systems

By: _____

Name (Print or Type)

Title

Customer

By: _____

Name (Print or Type)

Title

Note: Please initial and return all pages

Appendix A

Mueller Systems – Product Warranty Statement

1. **Limited Warranty.** Mueller Systems, LLC (“Mueller”) warrants that, for the duration of the Warranty Period (defined below): (a) each product purchased from Mueller (“Product”) will be free from defects in materials and workmanship under normal use, installation and service conditions; (b) the media on which any Software is furnished will be free of defects in materials and workmanship under normal use; and (c) any such Software will substantially conform to the applicable published Mueller functional specifications for such Software. Products will have a warranty period of the greater of (i) one (1) year from date of shipment or (ii) the applicable warranty period for a specific Product stated below in Section 6 (“Warranty Period”).

2. **Exclusive Remedy.** Mueller will, at its option, either repair or replace with an equivalent substitute a Product that is in breach of the foregoing warranty during the Warranty Period if Purchaser reports the breach to Mueller within sixty (60) days after Purchaser discovers the breach. At Mueller’s request, Purchaser will ship the allegedly defective Product to a repair facility designated by Mueller at Purchaser’s expense and risk. If Mueller, in its sole discretion, determines that the Product breached the applicable warranty, Mueller will ship the repaired or replaced Product to Purchaser at Mueller’s expense and risk. If Mueller determines that it is unable to repair or replace such Product, it will, at Mueller’s sole discretion provide a cash or credit refund to Purchaser. If Mueller repairs or replaces any such defective Product, the Warranty Period for the repaired or replaced Product will continue for the longer of (y) thirty (30) days, or (z) the remainder of the original Warranty Period. Mueller’s warranty is subject to exclusions, as set forth in Section 3. This Section 2 sets forth Mueller’s entire liability, and the Purchaser’s exclusive remedy, for any alleged breach of warranty for any Products.

3. **Exclusions.** Mueller has no obligation under this Product Warranty Statement if (a) a Product has been subject to misuse, neglect or accident or has been damaged through abuse, alteration, installation or application inconsistent with AWWA guidelines or Mueller specifications, including but not limited to Mueller propagation studies, failure to follow Mueller’s operation or maintenance instructions or negligence in transportation, handling, or storage, or repaired by anyone other than Mueller or its authorized personnel, (b) with respect to software, there has been a change to the software’s operating environment not made or authorized by Mueller or if Purchaser fails to install any correction or enhancement provided by Mueller, or if a virus is introduced through no fault of Mueller, or (c) if any Product fails to satisfy the applicable warranty as a result of any force majeure event. Mueller’s Product Return process can be found at www.muellersystemsreturns.com.

4. **Important Disclaimer.** EXCEPT AS EXPRESSLY SET FORTH HEREIN, MUELLER DISCLAIMS ALL OTHER EXPRESS OR IMPLIED WARRANTIES, INCLUDING ANY IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, TITLE AND NON-INFRINGEMENT AND WARRANTIES ARISING FROM A COURSE OF DEALING, USAGE OR TRADE PRACTICE. TO THE EXTENT ANY IMPLIED WARRANTY CANNOT BE EXCLUDED, SUCH WARRANTY IS LIMITED IN DURATION TO THE EXPRESS WARRANTY PERIOD.

5. **Limitation on Liability.** Mueller has no liability with respect to damage or destruction of property or the personal injury or death of persons resulting from defects in Products or from improper installation, use, maintenance or operation of any Products. In all cases, Mueller’s liability shall not exceed the total amount paid by Purchaser to Mueller under this Order.

6. **Product Warranties.** The following provisions in this Section 6 modify the limited warranty in Section 1 with respect to the specific Products identified below:

Automated Meter Reading (AMR) / Advanced Metering Infrastructure (AMI) Products

Product	Description	Warranty Period
AMR / AMI Software	These items of Software will perform in accordance with Mueller's published specifications for the duration of the Warranty Period.	One (1) year from date of shipment to Purchaser.
AMR / AMI Hardware – unless otherwise expressly specified herein	During the Warranty Period, these Products will be free from defects in materials and workmanship.	One (1) year from date of shipment to Purchaser.
AMR / AMI Radio Modules – AMI water module endpoints and AMR water module endpoints	During the Warranty Period, these Products will be free from defects in materials and workmanship.	Ten (10) years from date of shipment to Purchaser. Additionally, the unit is covered by a prorated warranty for years eleven (11) through fifteen (15) at a fifty-percent (50%) discount, and years sixteen (16) through twenty (20) at a twenty-five-percent (25%) discount from the date of shipment to Purchaser. All discounts will be calculated on the then current published price of the original product. All prorated warranty discounts are to be used towards the purchase of replacement units.
Encoder Register Products, Wall Pads and Pit Pads.	During the Warranty Period, these Products will be free from defects in materials and workmanship.	Ten (10) years from date of shipment to Purchaser. Additionally, the unit is covered by a prorated warranty for years eleven (11) through fifteen (15) at a fifty-percent (50%) discount, and years sixteen (16) through twenty (20) at a twenty-five-percent (25%) discount from the date of shipment to Purchaser. All discounts will be calculated on the then current published price of the original product. All prorated warranty discounts are to be used towards the purchase of replacement units.

Water Metering Products

Product	Description	Warranty Period
All Meter Products not otherwise specified herein	During the Warranty Period, these Products will be free from defects in materials and workmanship.	One (1) year from date of shipment to Purchaser.
Remote Disconnect Meters (RDM) valve and solenoid assembly	During the Warranty Period, these Products will be free from defects in materials and workmanship.	Five (5) year warranty or two-thousand (2,000) actuations of the valve, whichever comes first, from the date of shipment to Purchaser.
Bronze Maincases	During the Warranty Period, these Products will be free from defects in materials and workmanship.	Twenty-Five (25) years from date of shipment to Purchaser.
Composite Maincases	During the Warranty Period, these Products will be free from defects in materials and workmanship.	Fifteen (15) years from date of shipment to Purchaser.

Standard registers for the above listed mechanical meters	During the Warranty Period, these Products will be free from defects in materials and workmanship.	Ten (10) years from date of shipment to Purchaser.
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Models 400 and 500 Series Meters	AWWA ¹ New Meter Accuracy	5/8" – Five (5) years from the date of shipment to Purchaser or the registration of 500,000 U.S. gallons, whichever comes first; 3/4" – Five (5) years from the date of shipment to Purchaser or the registration of 750,000 U.S. gallons, whichever comes first; 1" – Five (5) years from the date of shipment to Purchaser or the registration of 1,000,000 U.S. gallons, whichever comes first; 1-1/2" – Two (2) years from the date of shipment to Purchaser or the registration of 1,600,000 U.S. gallons, whichever comes first; 2" – Two (2) years from the date of shipment to Purchaser or the registration of 2,700,000 U.S. gallons, whichever comes first.										
	AWWA Repaired Meter Accuracy (AWWA M6 Manual)	5/8" – Fifteen (15) years from the date of shipment to Purchaser or the registration of 1,500,000 U.S. gallons, whichever comes first; 3/4" – Fifteen (15) years from the date of shipment to Purchaser or the registration of 2,250,000 U.S. gallons, whichever comes first; 1" – Fifteen (15) years from the date of shipment to Purchaser or the registration of 3,000,000 U.S. gallons, whichever comes first; 1-1/2" – Ten (10) years from the date of shipment to Purchaser or the registration of 5,000,000 U.S. gallons, whichever comes first; 2" – Ten (10) years from the date of shipment to Purchaser or the registration of 8,000,000 U.S. gallons, whichever comes first.										
Model HbMAG electromagnetic cold-water meters	During the Warranty Period, these Products will be free from defects in materials and workmanship.	Two (2) years from date of shipment to Purchaser.										
Solid State Meters	<p>During the Warranty Period (ten (10) years from date of shipment to Purchaser) these Products will meet or exceed accuracy of +/- 1.5% between the specified minimum flow rate to the specified maximum. Additionally, the unit is covered by a prorated warranty for years eleven (11) through fifteen (15) at a fifty-percent (50%) discount, and years sixteen (16) through twenty (20) at a twenty-five-percent (25%) discount from the date of shipment to Purchaser. All discounts will be calculated on the then current published price of the original product. All prorated warranty discounts are to be used towards the purchase of replacement units for the following sizes:</p> <table> <tr> <td>5/8" Meter</td> <td>0.1 gpm to 20 gpm</td> </tr> <tr> <td>5/8" x 3/4", 3/4" Short, and 3/4" Long Meter</td> <td>0.1 to 30 gpm</td> </tr> <tr> <td>1" Meter</td> <td>0.4 to 55 gpm</td> </tr> <tr> <td>1 1/2" Meter</td> <td>0.25 to 100 gpm</td> </tr> <tr> <td>2" Meter</td> <td>1.5 to 160 gpm</td> </tr> </table>		5/8" Meter	0.1 gpm to 20 gpm	5/8" x 3/4", 3/4" Short, and 3/4" Long Meter	0.1 to 30 gpm	1" Meter	0.4 to 55 gpm	1 1/2" Meter	0.25 to 100 gpm	2" Meter	1.5 to 160 gpm
5/8" Meter	0.1 gpm to 20 gpm											
5/8" x 3/4", 3/4" Short, and 3/4" Long Meter	0.1 to 30 gpm											
1" Meter	0.4 to 55 gpm											
1 1/2" Meter	0.25 to 100 gpm											
2" Meter	1.5 to 160 gpm											

Appendix B Services

1. Software Services and Support Obligations

¹ American Water Works Association ("AWWA")

a. "Update" to the Software means a subsequent release of the Software that Provider makes generally available to its current customers for the Software. Updates include changes and corrections to the Software as are required to keep the Software in substantial conformance with the applicable Documentation and that are created by Provider as corrections for defects in the Software. Updates shall not include any release, option or future product that Provider licenses separately. Provider shall in its sole discretion determine the nature, content, timing and release of any Updates.

b. Web-based support, consisting of information on the most current release of the Software through Provider's web site.

c. Phone support in the form of advice and counsel via telephone regarding Customer's use of the most current release of the Software, as well as Customer's connectivity and ability to access Content. Phone Support is provided from 8:00 AM to 7:00 PM Eastern Time, Monday through Thursday and 8:00 AM to 5:00 PM Eastern Time on Fridays. All hours and days exclude recognized U.S. holidays observed by Mueller Systems.

2. Software Hosting Services

a. Except as specifically permitted in this Agreement, Customer shall have web-based access to the Software hosted by Provider pursuant to this Agreement.

b. Provider shall provide Customer with access and related hosting services to the Software installed on Provider's servers. Provider will also install the Content provided by Customer. Provider will define the appropriate performance specifications and will host the server at a Provider's location. Provider will monitor and perform routine maintenance on the server, and if the server is not operating properly, will make a good faith effort to operate Customer's system on a backup server, if available. Access to Customer's server is restricted to authorized Provider information technology and support personnel only. Differential and full server backups are performed when reasonably practicable.

c. Customer shall be responsible for installing, operating and maintaining the equipment, software, and/or facilities at Customer location recommended by Provider for effective access to and use of the Software installed on Mueller Systems server. Customer shall be responsible for providing and maintaining its own Internet access and all necessary telecommunications equipment at Customer's location necessary for accessing the Software.

d. Upon termination, for any reason, of the Agreement or any license(s) granted herein, Provider shall immediately cease providing access to the Software and Hosting Services. Customer shall (i) immediately stop access and use of all such Provider confidential information (including Software); (ii) shall return all copies of the Software, Documentation, and any Provider confidential information to Provider; and (iii) delete all Software, Documentation, and other confidential information off of any and all storage media possessed or controlled by Customer. Customer shall provide Provider with written certification signed by an officer of Customer that Customer has complied with the provisions of this Section. Customer shall immediately pay all amounts due to Provider.

Appendix C

Confidential Information

For purposes of this Attachment, “party” or “parties” shall mean Provider and Customer, including their respective subsidiaries and affiliates who are providing information under this Agreement. The parties agree to maintain confidential information as follows:

1. **Definition of Confidential Information.** The parties understand and agree that confidential information is any and all current and future Equipment, Documentation and/or Software information, roadmap, technical or financial information, customer names, addresses and related data, contracts, practices, procedures and other business information, including software reports, strategies, plans, documents, drawings, machines, tools, models, patent disclosures, samples, materials and requests for proposals that may be disclosed between the parties, whether written, oral, electronic or otherwise, however and wherever acquired (“Confidential Information”). Confidential Information excludes any information which would otherwise fall in the definitions above, but which was (a) known to the recipient of the information (“Recipient”) before receipt from the disclosing party; (b) publicly available through no fault of Recipient; (c) rightly received by Recipient from a third party without a duty of confidentiality; (d) disclosed by disclosing party to a third party without a duty of confidentiality on the third party; (e) independently developed by Recipient without breach of this or any other confidentiality agreement; or (f) disclosed by Recipient after prior written approval from the disclosing party.
2. **Obligations of Confidentiality and Remedies.** Recipient agrees to protect the disclosing party’s Confidential Information with the same degree of care, but no less than a reasonable degree of care, as Recipient uses with respect to its own Confidential Information. Neither party has any obligation to exchange Confidential Information. Both parties acknowledge and agree that the disclosure of the other party’s Confidential Information could cause irreparable harm. Therefore, an injured party is entitled to applicable equitable relief, including injunctions, in addition to other remedies, for such wrongful disclosure of Confidential Information. In addition, disclosure of Confidential Information required by a government body or court of law is not a violation of this Section if the Recipient gives prompt notice of the required disclosure to the disclosing party.
3. **Term of Confidentiality Obligations.** Recipient’s duty to protect Confidential Information expires three (3) years from the date of disclosure of the particular Confidential Information.
4. **No Warranties on Confidential Information.** Neither party warrants or guarantees the accuracy of any Confidential Information transferred between the parties.

Appendix D

Hosting Services

Part #	Description	UNITS	SALE PRICE	EXTENDED NET
MSW-S-M-YR-ALL-5K	MIHOST 1-5K (SYSTEM/YR)	1,151	5.25	\$ 6,042.75
Hosting Services Total Annual Fees:				USD 6,042.75

Optional Extended Warranties

Extended Warranty (Annual Maintenance) Annual payment will extend standard warranty terms and conditions	Part Number	Retail Price
“Multi-Network” Collector Extended Warranty per year	MS-G-M-YR	\$ 2,361.00
Mi.Tech Handheld and Install Radio Extended Warranty per year	MS-H-M-YR	\$ 1,126.00
Maintenance Radio Extended Warranty per year	MS-G-M-YR-MHUB	\$ 470.00
Mi.net Repeater AC/DC Extended Warranty	MS-R-M-YR	\$ 433.00