REQUEST FOR PROPOSALS

Village of Forest Hill

Automatic Meter Reading (AMR) Project

ISSUED BY:

Village of Forest Hill

SECTION I – AMI Project

I. Overview

The Village of Forest Hill's primary objective is to contract with a qualified vendor to provide an Automatic Meter Reading (AMR) System for Water & Gas Utilities. This RFP will cover a system-wide AMR Mobile Read implementation. The Village of Forest Hill wishes to obtain a system that provides the best long-term value over the systems lifetime.

For reliability and meter reading integrity, the Proposer shall be the sole source of the different components of the system deriving - if possible - from one manufacturer (water & gas endpoints, water meters, gas meters, meter reading equipment and meter reading software).

The Proposer shall provide all hardware and software that together comprise the proposed AMR system. This includes meters, meter registers (in the case of retrofits), meter interface units, wire and wire connectors, data collection units, handheld programmers (if necessary).

About the Buyer

The Village of Forest Hill, or the "BUYER" is located in Forest Hill, Louisiana in the parish of Rapides. The buyer operates water & gas utilities and currently has 390 gas service connections and 1100 water service connections.

Administrator

The Village of Forest Hill Mayor or his/her designee will be the Contract Administrator for this project.

II. The Village of Forest Hill's Evaluation Process

Proposals will be reviewed and ranked by the Village of Forest Hill. Firms shall be prepared to make a presentation to the Village of Forest Hill if asked to do so.

All communications regarding this project, including questions related to this Request for Proposal, shall be submitted by email to laural@foresthill-la.com .

Laural Strange, Municipal Clerk

Village of Forest Hill
4300 Highway 112
Forest Hill, LA 71430
318-748-6300

C. **Required Information:** Please submit the following information in the order requested

This section outlines the information that must be included in your proposal. Vendors should review this list to ensure that their proposals include all requested information prior to submission.

a) The proposal must be signed and dated by a representative of the vendor's company who is authorized to negotiate contracts.

b) Vendors submitting proposals should allow for normal mail or delivery time to ensure timely receipt of their Proposal.

c) Failure to include any of the requested information within your Proposal may result in rejection/disqualification.

d) No negotiations, decisions, or actions shall be executed by the proposer as a result of any discussions with any Village of Forest Hill official, employee and/or consultant. Only those transactions provided in written form from the Village of Forest Hill may be considered binding. Also, the Village of Forest Hill will honor only written and signed transactions from proposers.

e) The costs of preparation and delivery of the bid proposal are solely the responsibility of the Proposer. No payments shall be made by the buyer to cover costs incurred by any proposer in the preparation of or the submission of a proposal in response to this RFP or any other associated costs.

f) The contents of each vendor's proposal, including technical specifications for hardware and software, and hardware and software maintenance fees, shall remain valid for a minimum of 120 calendar days from the proposal due date.

g) Please note that the Village of Forest Hill may choose to not purchase all the applications or all the equipment listed in this Request for Proposal

h) The Village of Forest Hill will be awarding a contract to a single vendor for all core applications. Vendors are allowed to provide a proposal that includes subcontractors, but the Village of Forest Hill will be entering into a single agreement with one vendor acting as a Prime. The Prime contractor will be responsible for the timeliness, quality, and deliverables provided by any subcontractors under the Prime contractor's agreement.

IV. Limitations

A. This request does not commit the Village of Forest Hill to the award of a contract, or to pay any costs incurred in the preparation for a response to this request.

B. The Village of Forest Hill may or may not require the prospective proposer to participate in negotiations and to submit additional technical information or other revisions to their proposal as may result from the negotiations.

C. The Village of Forest Hill reserves the right to reject any or all proposals, to waive informalities, to request additional information and to award a contract deemed most advantageous for the Village of Forest Hill.

D. The Village of Forest Hill reserves the right to award bids in whole or part when deemed to be in the best interest of the City. Bidder shall state on their bid form if their bid is “all or none”, otherwise it shall be considered as agreeing to this section.

V. Minimum Requirements of Proposer

A. Proposals shall be considered only from firms normally engaged in performing the type of work specified within this Request for Proposal. In the determination of the evidence of responsibility and ability to perform the required services by the proposer, the Village of Forest Hill shall determine whether the evidence of responsibility and ability to perform is satisfactory. The Village of Forest Hill reserves the right to reject any or all proposals.

B. Previous experience in the performance of projects of a similar nature to ensure timely and efficient completion.

C. Proposer shall have in-house Project Management and Technical Support staff to assist during project implementation and after project completion.

D. The individual/firm warrants that he/she is fully qualified, with adequate personnel and experience to undertake the services required within a reasonable time.

E. The proposer shall be an equal employment opportunity employer and shall adhere to any applicable local, state or federal affirmative action requirements.

VI. Criteria for Evaluation and Award

The successful Proposer will be selected based upon the best response offered to the Village of Forest Hill. Vendor responses should include, “comply”-“does not comply” to technical specification sections where appropriate. When needed, vendor responses should include detailed answers to specific questions included in technical specification. Proposers may be requested to give an oral presentation after submission of responses should the Village of Forest Hill find it necessary to determine which is the best received.

Evaluation Criteria: Submitted proposals will be evaluated and scored based upon the following criteria:

Criteria	Weight
Price	25%
Meets the System Qualifications	45%
Local Service and Support	25%
Quality of the RFP Response	5%

VII. Incurred Expenses

The Village of Forest Hill is not responsible for any expenses which proposers may incur in the preparation and submittal of proposals requested by this RFP, including but not limited to, costs with travel, accommodations, interviews or presentation of proposals.

VIII. Technical Specifications

A. <u>AMR System Overview</u>

General

- AMR provider shall include all costs for equipment, deployment, installation, configuration and testing.
- For reliability and meter reading integrity, the AMR provider shall be the sole manufacturer of the different components of the system (water & gas meters, endpoints, meter reading equipment and meter reading software), and provide a turnkey system offering to the utility.
- The AMR Provider shall identify all required WB/DB equipment required for system operation.
- The system selected shall have a 20 year operational life span.
- The AMR provider shall offer Technical Support and Extended Maintenance options to the utility.
- The AMR provider shall alert the utility when updates or upgrades are available.

System Functionality Requirements

- Meters shall be pre-qualified to operate with the AMR system.
- The AMR system shall provide accurate meter readings from water meters, which will be used for billing customers.
- The AMR system shall use a primary use licensed radio frequency technology to transmit data and be capable of drive-by collection.

- The AMR system proposed shall be compatible with meter brands qualified by AMR provider.
- The AMR system shall be a communication component independent of the meter.
- All system components shall operate over a temperature range of 25º F to 105º F, and a cyclical high humidity condensing atmosphere (0-100% relative humidity).
- All applicable system components shall be FCC licensed and approved if the system operating frequency is within the FCC licensing range.
- AMR provider shall furnish the AMR system with hand-held devices for AMR installation programming and a mobile drive-by system for routine collection of meter readings. It shall be the AMR provider's responsibility to propose any components, ancillary services, etc., not addressed in this Request for Proposal to ensure a complete and fully functional system.

System Design Features

- The system shall operate as a wake up alert, or "poll-response'' two-way network.
- The system shall support off-cycle or on-demand reads.
- The system shall be able to obtain short-interval readings (more frequently than hourly) to monitor and profile water consumption patterns.
- Communication between endpoints and mobile receivers shall use primary, FCC-licensed frequencies. FCC licenses for the spectrum should already be obtained so there is no delay or uncertainty in the process.
- The system shall have safeguards to maintain customer data confidentiality as well as integrity of the data being transmitted.
- The AMR system shall include endpoints that transmit both the endpoint ID and register ID with the readings and alarms.
- The AMR system shall include a separate endpoint ID for each port on a dual port endpoint.
- The AMR system shall include cut wire or bad register connection alerts and reports.
- The AMR system shall include a low battery alert and report.
- The AMR system shall include a user configurable backflow alarm and report.
- The AMR system shall include a non-route exception report (new meters on route).
- The AMR system shall include a user configurable leak alert, alarm and report.
- The AMR system shall include a register malfunction alert, alarm and report.
- The AMR system shall include a high/low reading alert and report.
- The AMR system shall include a consumption report.
- The AMR system shall include a units of measure mismatch report (endpoints transmit their units of measure along with the reading).

- The AMR system shall include meters with advanced alarm capability, including high resolution leak and backflow alarms as well as tampering and condition alarms.

Water Meters

- All residential water meters shall utilize a solid-state electromagnetic design.
- The measuring element shall be made of a noncorrosive, lead-free glass fiber reinforced, composite alloy material. A battery powered magnetic flow sensor will be utilized to measure the velocity of the water which is linearly proportional to the volume. The measuring element shall be free of any moving parts within the flow path.
- The register must be an electronic device encapsulated in glass with 9 programmable digits utilizing an LCD display.
- The register shall have indicators for flow direction, empty pipe, battery life and unit of measurement.
- The register must be hermetically sealed with a heat tempered glass cover and be tamper resistant.
- The meters must have configurable alarms to alert Village of Forest Hill of potential tamper including but not limited empty pipe, tampering, low battery, customer leak, reverse flow, high flow, and magnetic tamper. The settings for the water alarms shall be configurable on-site and remotely over-the-air from the AMR system. Describe the configurable alarms built into the water meter.
- The meters shall support detection of higher than usual water flow for the service. The AMR system shall support notifications and the customer when a continuous flow alarm has occurred.
- The meters shall be able to detect continuous consumption based on a customer's configurable settings and alarm when the setting is exceeded.
- Residential meters shall be warranted for a period of twenty (20) years.

Water Endpoints

- The endpoint electronics shall be hermetically sealed in a high density polyethylene (HDPE) enclosure that is waterproof and provides operating temperature range of -30° F to 165°F (-34°C to 74°C).
- For pit or vault applications:
- The endpoint shall be water submersible, capable of operating in 100% condensing humidity and provides operating temperature range of -30° F to 165°F (-34°C to 74°C).
- The endpoint antenna shall be designed to be installed through the industry standard 1¾" inch hole in a pit lid with no degradation of transmission range.

- To avoid obsolescence, the endpoints shall utilize a configurable architecture that allows new technologies to be implemented.
- The endpoint shall be capable of being received by either a handheld receiver, mobile receiver or fixed network receiver without special configuration or remanufacture.
- Endpoints shall be capable of transmitting meter resolution as fine as 0.01 cubic feet for meters up to 1 inch, and as fine as 1 cubic foot for meters up to 8 inch.
- Transmission power of the endpoints shall be up to 2 watts.
- Receiver sensitivity of the endpoints shall be -115 dBm.
- Endpoints shall be interoperable with competitive registers.
- The endpoint shall provide maximum range and consistency when installed through a pit lid.
- The endpoint shall be capable of installation below the pit lid.
- The endpoint shall have a dual-port configuration.
- The endpoint shall be capable of transmitting information from two different meters.
- The endpoint shall transmit a separate endpoint ID and register ID for each port.
- The endpoint shall have a 20 year unit and battery warranty.
- The endpoint shall have an expected life greater than or equal to 20 years under normal use.
- The endpoint shall have a low battery alert and alarm.
- Programming parameters shall be configured and loaded into a hand held unit prior to endpoint installation.
- The installer shall receive a confirmation after a successful endpoint programming.
- The endpoint shall be able to connect to a different meter if it exchanged.
- The integral endpoint antenna shall be located in the top housing and not adversely affected when fully submerged under water.
- The wire connectors shall be free of water intrusion, corrosion, and failure over the system lifetime.
- The endpoint shall be permanently labeled with the manufacturer's name, model number, endpoint identification number, tamper warning, required FCC labeling, input/output connections, date of manufacture, part number, manufacturer address, and firmware version.
- The endpoint shall not require any special tools to install.
- The endpoint shall have a TouchCoupler to simplify installation.
- The endpoint shall be activated using a handheld device.
- Endpoint activation software shall be simple and intuitive.
- The endpoint shall have the ability to record and transmit GIS coordinates.
- The endpoint shall be easily uninstalled in case of maintenance.

- The endpoint shall be separate from the meter.
- The endpoint shall be able to be installed in any pit location.
- The endpoint shall have the option to connect to the meter register without tools or wire splicing.
- The endpoint shall be capable of removal without the removal of the meter and vice versa.
- The endpoint firmware shall be capable of wireless updates via handheld device.
- Updated endpoint firmware images shall be available as they are released.
- The endpoint shall be warranted to cover hourly data logging.

Gas Endpoints

- Gas meters shall be upgradeable with AMR endpoint to support two-way communication.
- All AMR modules should be tested at the factory to ensure out-of-the-box performance.
- Each AMR module should have a unique identifier and barcoded label which can be scanned.
- What are the typical lead times for gas meters and AMR modules?
- How many two-way gas meters and AMR modules have you shipped for the versions being quoted in your RFP response?
- What is the typical billing reading measurement interval transmitted?
- What standards do your gas meters and AMR modules comply with?
- What RF standards and certifications do the proposed gas meters and AMR modules comply with?
- What ANSI standards do the proposed gas meters and AMR modules comply with?
- Describe the product warranty for the gas meters and AMR modules.
- Will the existing gas meter index be able to be used with your new AMR module?
- Describe the process for installing an AMR endpoint in the field at an existing gas meter installation.
- What data is captured by your field equipment during the above field installation process? What software and equipment is needed to accomplish this work? Include pricing for these items in the pricing section.
- How are LAT / LONG coordinates entered into the AMR endpoint?
- Does your AMR head end system support firmware upgrades over-the-air for gas endpoints?
- Does your AMR head end system support configuration upgrades over-the-air for gas endpoints?
    - Provide a list of all gas meters that the proposed AMR system is compatible with.
    - What warranty is offered for the proposed gas meters and for the AMR modules?
    - What maintenance is needed for the batteries?

Mobile Data Collector

- The mobile data collector shall be compact and portable.
- Transmission power of the mobile data collector shall be 7 watts.
- Receiver sensitivity of the mobile data collector shall be -119 dBm.
- The mobile data collector shall be adaptable to 12-volt DC power.
- The mobile data collector shall be paired with a laptop computer with route reading software.
- The mobile data collector shall be set up in within minutes.
- The mobile data collector shall be safely mounted within a vehicle.
- The mobile data collector shall offer extremely long-range, rapid, and efficient data collection.
- The mobile data collector shall be equipped with a magnetic RF antenna and GPS antenna.
- Operators shall have the ability to obtain the route files and upload reading data wirelessly on the laptop from the utility network.
- The mobile data collector shall be capable of processing multiple reads simultaneously while traveling at the posted speed limit.
- The mobile data collector shall carry a standard one year warranty and have extended warranty options.

Handheld Devices

- The handheld device shall store a history of all installed endpoints with a time stamp and summary of all pertinent information.
- The handheld device shall be available for primary or back-up meter reading.
- The handheld device shall connect to an endpoint communication device via Bluetooth.
- The reading process with the handheld device shall be automatic, hands-free, and continual unless it is halted by the operator.
- A list of meters to be collected shall be displayed on the handheld device.
- Meters shall be removed from the list on the handheld device once collected.
- The handheld device software shall be simple and intuitive.
- The handheld device shall have endpoint audit capability.
- The handheld device software shall allow for the entry of messages and service repair codes.
- The handheld device shall have options for GPS receiver, barcode scanner, and digital camera.
- The handheld device software shall be integrated with Work Order Management software.
- The handheld device shall carry a standard one year warranty.

- The handheld device shall be housed in weather-resistant, high impact, UV-stabilized plastic.
- The handheld device shall automatically adjust the contrast value of the LCD based on ambient temperature and have the ability to be manually adjusted as well.
- The handheld device shall include a backlight feature for areas with insufficient lighting.
- The handheld device shall weigh no more than 30 ounces.
- The handheld device shall include alpha and numeric keys that can operated while wearing gloves.
- The handheld device shall feature at least a 624 MHz microprocessor.
- The handheld device shall feature an operating memory of 128 MB SDRAM.
- The handheld device shall feature 1 GB of data storage memory.
- The handheld device shall feature Lithium ion batteries that are field-replaceable.
- The handheld device shall maintain functionality for up to 1,500 readings for at least 12 hours.
- The handheld device shall operate from -22°F to 130°F (-30°C to 54°C).
- The handheld device shall be tested to MIL-STD 810F and IP67 for waterproof, dustproof, and shockproof (drop testing) standards.

Software

- The AMR Software shall comply with prevailing industry standards and should run on a Windows-compatible computer.
- The AMR Software shall exist as a PC-based application.
- The AMR Software should interface with Sensus file layout format to interface to the utility's CIS for meter reading.
- The AMR Software shall support single and dual register meter information.
- The AMR Software shall be able to export data to Microsoft Excel and Adobe PDF formats.
- The AMR Software shall allow for data entry and editing by users.
- The AMR Software shall be secured via Windows password protection.
- The meter reading software shall be map-based, intuitive, and easy-to-use.
- The meter reading software shall be fully automated to collect all data sent from endpoints and pair it with the correct account.
- The meter reading software shall display the location of all meters, read and unread meters, alarms, and other conditions within the meter route on the map.
- The meter reading software shall navigate the driver along the route.
- The meter reading software shall display the location of the vehicle on the map and move the map according to the location of the vehicle.

- The meter reading software shall detect and report mismatches between the endpoint ID and register ID.
- The meter reading software shall detect and report mismatches between ports of the dual-port endpoint.
- The meter reading software shall have audible tones as well as unique icons for alerts and alarms.
- The meter reading software shall have configurable map layers.
- The meter reading software shall obtain a time stamp when the reading is received via the mobile data collector.
- The meter reading software shall process new endpoints/meters/accounts found during the meter reading process.
- The meter reading software shall classify new meters as non-route meters and include all information in reports.
- The meter reading software shall have the capability to accept manual readings and/or account notes.
- The meter reading software shall allow an unlimited number of pre-defined or free-form alphanumeric text notes.
- The meter reading software shall allow the meter reader to enter a manual read multiple times until correct.
- The meter reading software shall have the ability to search unread meters, alarmed meters, read meters, meter addresses, meter numbers, and endpoint numbers.
- The meter reading software shall have the ability to enter answers to survey questions.
- The meter reading software shall validate meter readings for reasonableness, such as high or low readings.
- The meter reading software shall handle potential meter rollovers.
- The meter reading software shall provide route data back-up capabilities.
- The host software shall be provided by the AMR provider.
- The host software shall interface with the utility's CIS.
- The host software shall have licenses provided and maintained by the AMR provider for the duration of the contract.
- The host software shall convert meter read information into a flat file.
- The host software shall be expandable and adaptable.
- Flat files shall easily transfer from the CIS to the host software to the meter reading software and vice versa.
- The host software shall have the ability to load multiple routes for different areas.
- The Host Software shall provide standard reporting to include the following information:
    - Account List

- Alarm Summary
- AMR ID/Meter ID Mismatch
- AMR Master Route
- Consumption
- Cumulative Summary
- Electric Peak Demand Reset
- Electric Remote Actions
- FlexNet Installation (*Handheld Only*)
- High/Low Exception
- Information Changed (*Handheld Only*)
- Location Change
- Manual Read Exception
- Marked Location
- Master Route
- Meter Change Out (*Handheld Only*)
- Multiple Read Exception
- Multiplier Mismatch
- Endpoint Status
- Endpoint Worksheet
- Non-Read Exception
- Non-Route Exception
- Note Master
- Port Invalidation
- Programmed endpoints (*Vehicle Only*)
- Question
- Register Malfunction
- Register Mismatch
- Register Text Mismatch
- Route Comparison
- Route Exceptions
- Route Note
- Route Statistical Summary
- Route Title Page
- Units of Measurement Mismatch
- Work Performed (*Handheld Only*)
- Zero Consumption

- The host software shall have the ability to interface to system back-up solution.
- The host software shall provide route level back-up capabilities.

- The AMR provider shall include menus, navigators, data elements, and major screen shots of the host software.
- The host software shall be able to create custom reports.
- The AMR provider shall provide software documentation including system overview, flow charts, file descriptions and layouts, descriptions of program function and logic, back-up and recovery procedures, screen layouts, data entry procedures, report descriptions, user options descriptions, and error message descriptions.

Radio Licenses

- The RF modulation used by the endpoints shall be narrow band spectrum.
- AMR provider shall maintain an extensive portfolio of primary-use, FCC licensed frequencies.
- There shall be no delay, uncertainty, or hidden costs in acquiring required spectrum.
- AMR provider shall perform all license maintenance with the FCC for the life of the contract.
- AMR provider shall name utility as sub-licensee with the FCC for the life of the contract.
- FCC licenses shall be renewable for the duration of the contract.

Migratability

- The utility shall be able to use the same meter radios to migrate from walk-by/drive-by to AMI systems to address regions based on technology and deployment timelines.
- Radios shall not require any re-programming or site visits to work in AMI system.
- Once migrated to AMI, the system shall have the ability to use AMR drive-by data collection as a backup to the AMI system.

Training

- The AMR provider shall provide comprehensive training for the AMR system.
- Training shall include introductory training and role-based training.
- The AMR provider shall provide full system documentation and access to the AMR provider's education website.
- The AMR provider shall provide follow-up training as necessary.
- Training shall be provided at utility's office(s).
- Training shall cover the following topics:
    - Introduction to AMR
    - Meter reading functions in the host software
    - Supplemental host software functions and troubleshooting
    - Handheld operations

    - Mobile data collector operation
    - Meter reading functions in the meter reading software
- The AMR provider shall provide the following training aids:
    - PowerPoint presentations.
    - Interactive student simulation software which runs on customer computers.
    - Software and technical manuals.
- The AMR provider shall provide trained and experienced instructors to lead the training classes.
- The AMR provider shall provide evaluation forms for each training session.

Support and Maintenance

- Year one support shall include:
    - 8 am- 8pm EST phone support
    - All software licenses and updates to the AMR system
    - Equipment loaner program
    - Remote diagnostics via utility provided VPN connection
    - On-site troubleshooting as needed

Proposal Format

Please include the following items in the order listed below:

- Cover Letter
- Table of Contents
    - Executive Summary
    - Company Information
    - Application Software and Hardware Information
    - Technical Specification & Web Portal Compliance
    - Project Management, Implementation, and Conversion
    - Maintenance and Support
    - Training and Education
    - References
    - Cost Proposal (menu pricing)

Proposal Terms and Conditions

- Request for Proposal Format
    - Proposals must be made in strict accordance with the Request for Proposal format provided herein.
- Bulletins and Addenda
    - Any bulletins or addenda to the Proposal specifications issued during the period between issuance of the RFP and receipt of proposals are to be considered

covered in the Proposal and in awarding a contract they will become a part thereof Receipt of bulletins or addenda shall be acknowledged by vendors in their proposal cover letter.

- False or Misleading Statements
    - If; in our opinion, a proposal contains false or misleading statements or references that do not support a function, attribute, capability, or condition as contended by the vendor, the entire proposal shall be rejected.
- Clarification of Proposal
    - We reserve the right to obtain clarification of any point in a vendor's proposal or to obtain additional information necessary to properly evaluate a particular proposal. Failure of a vendor to respond to such a request for additional information or clarification may result in rejection of the vendor's proposal.
- Responsiveness
    - Proposals should respond to all elements & requirements of this RFP to the maximum extent possible. Vendors are asked to clearly identify any limitations or exceptions to the requirements inherent in the proposed system. Alternative approaches will be given consideration, if the approach clearly offers us increased benefits.
- Rejection of Proposal
    - Proposals that are not prepared in accordance with these instructions to vendors may be rejected/disqualified. If not rejected, the Village of Forest Hill may demand correction of any deficiency and accept the corrected Proposal upon compliance with these instructions to proposing vendors.
- Bid Modifications
    - Any bidder may modify their bid by written or fax communications up to two days prior to the closing time. The written or fax communication should not reveal the bid price as this will not be known until the sealed bid is opened.
- Late Submissions
    - Regardless of cause, late qualifications will not be accepted and will automatically be disqualified from further consideration. It shall be the Vendor's sole risk to assure delivery at the designated office by the designated time. Late qualifications will not be opened and may be returned to the Vendor at the expense of the Vendor or destroyed if requested.
- Acceptance of Proposals
    - The contents of the proposal of the successful bidder will become, at our option, a contractual obligation if a contract ensues. Failure of the successful bidder to accept this obligation may result in cancellation of the award.

- Proposals submitted are offers only and the decision to accept or reject is a function of quality, reliability, capability, reputation, and expertise of the proposing vendors. The Village of Forest Hill reserves the right to terminate the selection process at any time and to reject any or all proposals.
- The Village of Forest reserves the right to accept the Proposal that is, in its judgment, the best and most favorable to the interests of the Village of Forest and to the public; to reject the low price Proposal; to accept any item of any Proposal; to reject any and all Proposals; and to waive irregularities and informalities in any Proposal submitted or in the Request for Proposal process, provided; however, the waiver of any prior defect or informality shall not be considered a waiver of any future or similar defect or informality. Proposing vendors should not rely upon or anticipate such waivers in submitting their Proposal.

PROPOSAL MENU PRICING

Description	Quantity	Unit of Measurement	Unit Price	Total Price
5/8 x 3/4 Water Meter	1100	Each		
5/8 x 3/4 Water Meter and Endpoint installation	1100	Each		
1” Water Meter	53	Each		
1” Water Meter and Endpoint installation	53	Each		
1 1/2” Water Meter	5	Each		
1 1/2” Water Meter and Endpoint installation	5	Each		
2” Residential Water Meter	12	Each		
2” Water Meter and Endpoint installation	12	Each		
2” Compound Water Meter	12	Each		
2” Water Meter and Endpoint installation	12	Each		
Pit Set Water Endpoints	1182	Each		
Gas Meter Endpoints (R275)	390	Each		
Gas Meter 1.25 Spud (R275)	12	Each		
Gas Meter Endpoint Installation (R275)	390	Each		
Gas Meter Endpoints (R415)	37	Each		
Gas Meter Endpoint Installation (R415)	37	Each		
Vehicle Transceiver w/ Laptop	1	Each		
Software	1	Each		
Handheld w/ docking station	1	Each		
Hardware (Field Support Tools)	1	Each		
Annual Support Fee/Training	1	Each		
Meter Box Lid Modification (Drill Hole in Plastic Lid)	282	Each		
Project Management (Monthly Fee)	3	Each		
Supply residential 5/8" - 1" plastic meter box with AMR recess lid	900	Each		

Meter & Endpoint Installation Software	1	Each		
Mobilization Fee	1	Lump Sum		
Contingency (Installation Incidentals)	1	Lump Sum	$10,000	
Residential 5/8”-1” Water Meter Box Adjustment/Replacement/Removal	900	Each		

ANTI-COLLUSION AFFIDAVIT

STATE OF: Louisiana

CITY OF: Village of Forest Hill

_____, being duly sworn deposes and says that:

1. He is the _____ of _____
   submitting the attached bid;
2. He is fully informed respecting the preparation and content of the attached bid and of all pertinent circumstances respecting such bid;
3. Such bid is genuine and is not collusive or sham bid;
4. Neither the said bidder, nor any of its officers, partners, owners, agents, representatives, employees or parties interested, including this affidavit, has in any way collude, conspired, connived or agreed, directly or indirectly, with any other bidder firm or person to submit or to refrain from bidding in connection with such contract, or has in any manner, directly or indirectly sought by agreement or collusion or communication or conference with any other bidder, firm or person to fix and overhead, profit, or cost element of the bid price of any other bidder to secure through collusion, conspiracy, connivance or unlawful agreement any advantage against the Village of Forest Hill, or any person interested in the proposed contract; and
5. The price or prices quoted in the attached bit are fair and proper and are not contained by any collusion, conspiracy, connivance or unlawful agreement on the party of the bidder or any of its agents, representatives, owners, employees or parties, in interest, including this affiant.

_____
(Contractor)

_____

Subscribed and sworn to before me,
This _____ day of _____, 20___.

Notary Public _____

Parish of _____

My Commission Expires _____