

Town of Jerome, Arizona

Advanced Metering Infrastructure (AMI) System Proposal

Submitted by: Ferguson Waterworks | Intelligent Utility Solutions

Date: Nov 5, 2025



Cover Letter

Dear Mr. Klein,

Ferguson Waterworks is pleased to submit our proposal for the Town of Jerome's Advanced Metering Infrastructure (AMI) System. We appreciate the opportunity to support the Town's transition to a modern, reliable, and scalable metering system. This proposal reflects Ferguson's commitment to providing high-quality solutions built upon Neptune Technology Group's proven AMI platform.

The proposed Neptune AMI system is fully compatible with Jerome's current Sensus meters and offers flexibility through both AMR (drive-by) and AMI (fixed network) configurations. Additionally, Ferguson can provide cellular connectivity through Neptune's multicarrier cellular network for locations outside the primary coverage area.

We welcome the opportunity to review the Town's current metering configuration and discuss how our integrated approach can enhance efficiency, reduce water loss, and improve customer service.

Respectfully,

Thomas Otto
Utility Solutions Specialist
Ferguson Waterworks | Intelligent Utility Solutions

Mobile: 623-734-6115



Executive Summary

The Town of Jerome seeks to replace its aging water meter system with a modern AMI platform capable of accurate, real-time metering data and improved operational efficiency. Ferguson Waterworks, in partnership with Neptune Technology Group, proposes a fully integrated Neptune AMI solution utilizing multicarrier cellular connectivity, Neptune 360 software, and the My360 customer engagement portal. This system will ensure Jerome's water utility remains sustainable, scalable, and adaptable for decades.

System Description and Technical Response

Ferguson proposes the Neptune T-10 mechanical meter line paired with the R900i multi-carrier cellular integrated AMI endpoint. This combination provides accurate, maintenance-free performance and supports both fixed-network AMI and mobile AMR collection modes.

The Neptune AMI system uses multicarrier cellular communication to transmit data securely to the Neptune 360 head-end software, ensuring reliable coverage and minimizing infrastructure costs. The system supports over-the-air firmware upgrades, two-way communication, and data redundancy for high reliability. All transmitted data is encrypted and compliant with AWWA and NIST cybersecurity standards.

The proposed solution integrates directly with the Town's Caselle billing software via standard API interface.

Customer Portal and Analytics

Neptune's My360 portal provides Jerome residents access to detailed water usage information, leak alerts, and customized notifications. Utility staff and customers share synchronized data views for improved transparency. My360 allows consumption exports in CSV format and includes options for email and text-based alerts.

Implementation and Training

The Town of Jerome's deployment is expected to be completed within six months of the Notice to Proceed. Ferguson will coordinate closely with the Town's public works and finance teams to minimize disruption.

Training will be provided by Neptune-certified trainers and will include classroom and field sessions. Web-based refresher training and system update sessions are also included.

Stage 1

Kickoff Meeting
Completion Date – Beginning of project

Stage 2

File Validation Start Date – Beginning of project



Projected Completion Date – typically 1 month

Stage 3

Software Provisioning
Start Date – end of stage 2
Projected Completion Date – typically 1-3 days

Stage 4

Training
Start Date – end of stage 3
Projected Completion Date – typically 1-3 days

Stage 5

Project Closeout Completion Date – typically 2 months from kickoff

Warranty and Support

Neptune's MACH 10 meters include a 20-year prorated warranty (first 10-years full, remaining 10-years prorated), and endpoints are covered for up to 20 years, including communication performance. Ferguson provides local technical support, warranty coordination, and system performance monitoring.

Fee Proposal

Item No.	Description	Est. Qty.	Units	Unit Price	Total Price
1	¾ x 5/8" AMI Meter	299	299	\$446.00	\$133,354.00
2	1" threaded AMI Meter	17	17	\$646.00	\$10,982.00
3	1 ½" flanged AMI Meter	13	13	\$1,073.00	\$13,949.00
4	2" AMI Meter	2	2	\$1,306.00	\$2,612.00
5	4" AMI Meter	1	1	\$4,340.00	\$4,340.00
	AMI System Software - Annual Subscription	332 per year	332	\$25.00	\$8,300.00
7	AMI System Training	1	1	\$7,555.00	\$7,555.00
8	AMI Data Collection Hardware/Software	1	0	\$-	\$-
9	FCC Registration	1	0	\$-	\$-
	Optional Services				
	Meter Install 3/4 - 1"	316	316	\$175.00	\$55,300.00



Meter Install 1.5" - 2"	15	15	\$350.00	\$5,250.00
Meter Install 4"	1	1	\$1,000.00	\$1,000.00
3/4" & 1" Pitbox Excavation, Removal & Reset Excavation for pit boxes with obstructive debris and soil, to create a clean, accessible environment for meter installation. Required for meter installations exceeding one pit box or reachable depth or pit boxes set on top of water meter connection fittings	Est. 20%	66	\$125.00	\$8,250.00
*Any product not listed above is offered at 25% off list price	230. 2079		Ψ123.00	γ ο,Σσο.σο
List price is twice Ferguson cost				
Grand Total (includes optional installs)				\$250,892.00
Estimated 20 year cost				
Initial cost		1		\$250,892.00
Year 2		1		\$8,549.00
Year 3		1		\$8,805.47
Year 4		1		\$9,069.63
Year 5		1		\$9,341.72
Year 6		1		\$9,621.97
Year 7		1		\$9,910.63
Year 8		1		\$10,207.95
Year 9		1		\$10,514.19
Year 10		1		\$10,829.62
Year 11		1		\$11,154.51
Year 12		1		\$11,489.14
Year 13		1		\$11,833.82
Year 14		1		\$12,188.83
Year 15		1		\$12,554.49
Year 16		1		\$12,931.13
Year 17		1		\$13,319.06
Year 18		1		\$13,718.64
Year 19		1		\$14,130.19
Year 20		1		\$14,554.10
Assumes 3% CPI Increase each year				



Total		\$465,616.11
Annual increase will be based on CPI, capped at 5%		

Total (20 year): Four Hundred Sixty-five Thousand Six Hundred Sixteen Dollars and Eleven Cents.

Appendices and References

Cottonwood, City of

Mike Traynor: mtraynor@cottonwoodaz.gov

Neptune AMI system and meter installs, project expected to end December 2025

Approx 5K total services

Chandler, City of

Chase Price: chase.price@chandleraz.gov

Converted existing Neptune AMR system (2005 – 2024) to Neptune AMI system (2024 – 2025).

Approx 95K total services

Wickenburg, Town of

Matt Egan: megan@wickenburgaz.gov

Turn-key system install in 2016 to convert walk by system to drive by system with AMI in Wickenburg Ranch. Awarded contract October 2025 to convert remaining system to AMI.

Approx 3K total services

PROPOSAL DOCUMENTS

The following documents and information requested thereon are required to be submitted with your proposal.

Town of Jerome

Proposal Document A – Proposal

To: Honorable Mayor & Council 600 Clark St. Jerome, AZ 86331

In compliance with the Town of Jerome's Request for Proposals for an Advanced Metering Infrastructure System and the Notice to Respondents by the Town Manager, the undersigned respondent:

Having carefully examined the proposal documents and being familiar with the conditions to be met, hereby submits the following proposal for furnishing the material, equipment, labor and everything necessary for the completion of the work listed and agrees to execute contract documents and furnish the required Bonds and Certificates of Insurance for the completion of said work, at the locations and for the prices set forth on the Fee Proposal.

Understands that procurement of this project shall be in accordance with all applicable Standard Specifications and as otherwise required by the General Provisions and Special Provisions.

Understands that this proposal shall be submitted with a proposal guarantee of cash, certified check, cashier's check, or surety bond (in accordance with Title 34, A.R.S.) for an amount not less than ten percent of the total amount proposal.

Agrees that upon receipt of Notice of Award from the Town of Jerome, they will enter into contract negotiations and execute the contract documents.

Work shall commence no later than 30 days, after the Notice to Proceed and shall be completed within 180 calendar days, beginning with the day following the starting date specified in the Notice to Proceed. The time allowed for completing the work includes lead time for obtaining the necessary materials and/or equipment. Respondent agrees to pay, as liquidated damages, two times the sum as stated in the latest revision of the MAG Specifications. Liquidated Damages shall be based upon the final contract amount.

The respondent	hereby acknowle	edges receip	t of and	agrees	that this	proposal	is based	l on
the following Addenda	(if there are no ac	ddenda, wri	te NONE	E below).			

None			

The Town of Jerome retains the right to reject any or all proposals and to waive minor defects and technicalities or withhold the award, as may be deemed best for the interest of the Town.

This proposal shall be valid for a period of 30 days after the proposal deadline. THIS PROPOSAL is submitted by Ferguson Wateworks , a corporation organized under the laws of the State of Arizona, a partnership consisting of _____ of the City of , and holder of Arizona State Contractor's License(s): Classification(s) Respectfully Submitted, Ferguson Waterworks Respondent 8314 E Long Mesa Dr, Prescott Valley, 86314 Address Thomas Otto, Utility Specialist By (Officer & Title) November 5, 2025 Date ATTEST: Thomas Otto, Utility Specialist (Officer and Title) Witness (if respondent is an individual)

Town of Jerome

Proposal Document B – Fee Proposal

Respondent	rerguson	waterwc	DIKS			
-	8314	E Long	Mesa Dr	, Prescott		
Mailing Addres	ssValle	ey, 8631	_4			
		-				
City			State _		_ Zip	
Telephone	623-734-61	15				
rerephone	020 701 01					

PURSUANT to, and in compliance with, the Town of Jerome's Request for Proposals for an Advanced Metering Infrastructure System, the Notice to Respondents, Instructions to Respondents, and the Proposal Documents relating to the:

TOWN OF JEROME ADVANCED METERING INFRASTRUCTURE SYSTEM

This is to certify that the above documents, as well as the site upon which work is to be performed and any and all conditions affecting the work, have been carefully examined, that the amount and nature of work to be accomplished is thoroughly understood and that at no time will misunderstanding of the drawings, specifications or conditions to be overcome be alleged or pled as a basis for change orders, damages or non-performances.

I (We) acknowledge that the following Fee Proposal and table are for the convenience of the Town of Jerome to analyze the individual components of the proposal and to provide a means for partial payments during the project. The sum of the extended unit prices shall be the final price for the product procurement in accordance with the technical specifications. The total price listed on the Fee Proposal shall be the same as listed on the proposal to the Town of Jerome.

FEE PROPOSAL INSTRUCTIONS:

- 1. All items will be paid for as lump sums. The Fee Proposal's estimated quantity and unit price will be used as a means of computing progress payments and as a basis for any Change Orders incurred.
- 2. The owner reserves the right to recalculate the following Fee Proposal if they appear malapportioned.
- 3. The lump sum amounts indicated below are to include the respondent's cost of administration, mobilization, bonds, insurance, and any other miscellaneous items required for the project.

		PROPOSA wn of Jerom ring Infrastr	e	stem	
		Est. Qty.	Units	Unit Price	Total Price
	CIVIL B	ASE PROF	POSAL		
1	³ / ₄ x 5/8" AMI Meter	299			
2	1" threaded AMI Meter	17			
3	1 ½" flanged AMI Meter	13			
4	2" AMI Meter	2			
5	4" AMI Meter	1			
6	AMI System Software	1			
7	AMI System Training	1			
8	AMI Data Collection Hardware/Software	1			
9	FCC Registration	1		\$0	
SU	BTOTAL COSTS – BASE PROPOSAL				
Gł	RAND TOTAL, BASE PROPOSAL			See enclos	e fee schedu

GRAND TOTAL -	- BASE PROPOSA	L (in words):		

NOTE: All Quantities Shown are approximate and are furnished solely for the contractor's convenience. The quantities provided will be the lump sum that payment will be made on. The individual items are for use by the Town to analyze proposals, use as a basis for any supplemental agreements, and for partial progress payments.

Proposal Document C – Non-Collusion Certificate



ADVANCED METERING INFRASTRUCTURE SYSTEM

Respondent:	Ferguson	Waterworks		
The undersigned i	espondent l	nereby certifies as foll	lows:	
herein has not, e collusion, or other	ither direct wise taken	ly or indirectly, ente any action in restrain	endor, association, partnersle ered into any agreement, p t of free competitive pricing erome for consideration in	participated in any g in the preparation
Dated this	30th	day of October	_ 2025.	
			623 734 613	15
Signature			Phone Number	
Thomas Otto			Thomas.otto@	ferguson.com
Written Name			Email Address	

Proposal Document D – Certificate of Ownership



ADVANCED METERING INFRASTRUCTURE SYSTEM

Ferguson Waterworks

Respondent:

-		
The undersigned respondent hereby c	ertifies as follow	vs:
herein, are the only person, vendors, direct or indirect financial interest in t	corporations, par the respondent's b	for, association, partnership, or corporation artnerships, or other associations having any business as legal or equitable owner, creditor older of any security or other evidence of
Dated this day of	October 2	2025.
		623-734-6115
Signature	-	Phone Number
Thomas Otto		Thomas.Otto@ferguson.com
Written Name	-	Email Address

Proposal Document E – Respondent Qualifications, Representations, and Warranties



ADVANCED METERING INFRASTRUCTURE SYSTEM

Ferguson Waterworks

Respondent:

The u	ndersigned respondent he	ereby ce	rtifies as follo	ows:	
X1	Taxes and Leins – Resp	ondent	has no unsati	sfied ta	x or judgment lien on record.
X2	research regarding the work to be done, service the type and quantity of fully understands the classification to be made, and the term agrees that it has satisficated that it will make no classifications made by equipment, and facilities	requirer es to be f labor, e haracter ns and ce ied itsel im again y the To es and to l and upon	ments of the performed, a equipment, are of the work conditions of the f by its own ast the Town own. Responded perform all	solicita ny cond nd facili and serv he solic examin because lent her labor v	its own examination, investigation, and ation, including but not limited to the ditions affecting the work and services, ities necessary to perform. Respondent vices, the manner in which payment is sitation. Respondent acknowledges and ation, investigation, and research, and to of erroneous estimates, statements, or reby proposes to furnish all materials, which may be required to do the work ditions provided in the solicitation, and
Dated	this 30th	day of _	October	_ 2025.	
					623-734-6115
Signat	ture	_			Phone Number
	mas Otto				Thomas.Otto@ferguson.com
Writte	n Name				Email Address



Subcontractor Submittal for optional install.

Town of Jerome

Advanced Metering Infrastructure (AMI) System – Implementation Project

Created by:

Phoenix Water Solutions 1606 E University Dr Suite 109 Phoenix, AZ 85034 (602) 445-3943

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Phoenix Water Solutions RFP Installation Overview

Town of Jerome - Advanced Metering Infrastructure (AMI) System Implementation Project

Phoenix Water Solutions (PWS) has prepared this installation proposal in support of the Town of Jerome's Advanced Metering Infrastructure (AMI) System Implementation Project.

Our team is prepared to perform all installations and related work to successfully replace 332 existing water meters with new AMI-enabled meters, as outlined in the Town's RFP. The scope includes pit box excavation, meter removal, installation, endpoint mounting, programming, all data points captured in the field and provided to the TOJ.

We recognize the unique conditions of Jerome's hillside topography and aging infrastructure and bring to this project a highly qualified installation workforce with proven experience in municipal AMI deployments across Arizona and California.

Field Capabilities

Our experienced field technicians are proficient in residential and commercial meter installation and have been specifically prepared for the scope and conditions of the TOJ meter upgrade project. Core capabilities include:

- Installation of ¾" through 4" water meters
- Debris cleanout and pit box restoration
- Endpoint and antenna integration (through lid or bottom mount)
- Meter programming
- Meter box adjustments for accessibility
- Plumbing reconnections and adjustments (e.g., valve access, service line positioning)
- Real-time field documentation, including GPS location, time stamps, and before/after photos

All installations are completed in accordance with manufacturer specifications, TOJ technical standards, and internal quality control protocols. PWS will support in ensuring full data integrity and compliance for project reporting, inspections, and federal funding guidelines (including WIFA funded requirements).

Site Familiarity & Pre-Bid Understanding

Phoenix Water Solutions (PWS) has thoroughly reviewed the Town of Jerome Advanced Metering Infrastructure (AMI) System RFP, including all technical specifications, and compliance requirements.

Our team has extensive experience performing meter upgrade projects in rural communities with similar characteristics—rocky terrain, historic infrastructure, and varying conditions of service lines. Based on our precon assessment with Town of Jerome field staff we understand and anticipate the following field conditions throughout the project duration:

- Varying types of meter boxes and sizes
- Legacy service line materials
- Metered locations vary throughout the town with pit boxes on hillsides and areas requiring coordinated access
- Excavation and restoration requirements across certain residential & commercial service locations

We are fully prepared to adapt in the field and escalate concerns as needed through the proper communication channels defined by the Town of Jerome.

Full-Scope Installation Delivery

Phoenix Water Solutions delivers a turnkey field operation for this scope.

- No subcontracted labor all crews are in-house & trained with varying years of experience
- Designated field supervisors are assigned to oversee all activities
- Quality Assurance is built into our bid and install process
- Our backend administrative team tracks production, submits reporting, and assists in daily recordkeeping

We are fully equipped to support Change Order procedures if needed for additional repairs or work outside the defined bid items when pre-approved by the Town of Jerome.

Service Agency & Service Agents

As a fully registered and licensed contractor in the state of Arizona, Phoenix Water Solutions is uniquely positioned to deliver high-quality, fully compliant utility infrastructure services for municipal, district, and public agency clients across the state. Our qualifications, certifications, and in-house capabilities not only meet—but exceed—the expectations set forth for public works contractors in Arizona.

Regulatory Compliance & Licensing

PWS holds a valid Arizona Registrar of Contractors license for CR-37 (Plumbing) under license number ROC #339119. We are fully registered with the Arizona Corporation Commission and maintain active status with all required state and municipal licensing authorities.

PWS is a Registered Service Agency with the Arizona Department of Weights and Measures (AZDWM), ensuring that all metering services we perform—including removal, installation, calibration, and testing—are legally authorized, traceable, and compliant with Arizona state standards.

These credentials reflect our unwavering commitment to regulatory adherence, technical accuracy, and public accountability.

Certified Service Agents & Metering Expertise

PWS employs certified service agents and technicians trained in the installation, replacement, and maintenance of water, BTU, and electric meters. Our staff are familiar with a wide variety of AMI and AMR technologies, endpoint integrations, and service line plumbing repairs.

Our technicians undergo routine field and safety training to ensure alignment with:

- ADOSH (Arizona Division of Occupational Safety and Health) safety and confined space standards
- Equipment-specific manufacturer specifications
- Local utility and water agency protocols, GIS documentation, and meter data formats

In-House Workforce Model

PWS performs all installations using in-house, full-time employees—not subcontractors. This model allows for:

Greater control over quality, schedule, and documentation

- Professionalism and consistency across job sites
- Streamlined issue resolution and reduced delays

Our crews are uniformed, background-checked, and trained to uphold strict jobsite standards with minimal disruption to customers.

Integrated Turnkey Delivery

With a deep understanding of metering infrastructure, PWS offers a turnkey service model that includes:

- Project mobilization and workforce deployment
- Field data capture (serial numbers, photos, GPS, and field notes)
- Component replacement (boxes, lids, valves)
- Quality control and warranty-backed labor
- Digital transmittals and reporting in agency-requested formats

Whether performing 500 meter retrofits or replacing tens of thousands of meters under an AMI upgrade, PWS delivers clean, consistent, and fully documented work across all phases of the project.

Trusted by Utilities & Districts Across Arizona

With a focus on quality, reliability, and long-term infrastructure outcomes, PWS has become a trusted partner for metering projects statewide. Our licensing, internal systems, and field-tested workforce make us a strong fit for any public agency or utility seeking a contractor who understands the regulatory, logistical, and technical demands of utility service installation work.

Process to Complete Work

Proposed Work Plan and Approach

Phoenix Water Solutions (PWS) will provide professional services for the replacement of all water meters and transmitters in support of the Town of Jerome AMI System Upgrade Project.

This involves the replacement and activation of approximately 332 existing water meters ranging in size from $\frac{5}{8}$ " × $\frac{3}{4}$ " to 4".

PWS will carry out all field installation activities well within the 180 calendar days required from Notice to Proceed (NTP), adhering to typical project working hours of 7:00 AM to 5:00 PM, Monday through Friday, excluding Town-observed & Federal holidays. Our team will work directly with the selected AMI vendor to ensure accurate installation, data verification, and seamless transition of data into the Town's Caselle billing software.

Timeline, Rate of Production & Staffing Plan

Based on the Town of Jerome's system size, variances in meter locations, and project requirements, PWS anticipates the following staffing plan & installation timeline:

Deployment Timeline

- Total Working Days: ~15-25
- Total Calendar Days: ~30-45 days from Notice to Proceed
- Estimated Daily Output: 11–16 meters installed per technician per day (depending on access, topography, and meter size)

This timeline accounts for the total of 332 meter replacements, with additional time allotted for cleanouts, service line repairs, or extended scopes of work.

Estimated Production Rates

- Production will vary slightly based on terrain, meter box accessibility, and property types (residential vs. commercial)
- Installations will be executed in logical route phases to minimize disruption, ensure efficient crew movement, and support coordination with the Town's staff.
- Each meter will be activated and verified for data transmission prior to completion.

Project Completion Accounts For

- Locating and access due to Jerome's hillside topography
- Cleanout and/or pit box adjustments for accessibility to valve and meter unions
- Restoration of ground surfaces
- GPS and photo documentation for each data point collected
- Final QC checks and weekly close out reviews coordinated with AMI Vendor and TOJ

All records will be compiled into daily and weekly progress reports shared with project manager. PWS will also support final punch list completion and assist with warranty documentation handoff at project close-out.

Deployment Team

Project Manager – Oversees overall planning, scheduling, and reporting of field activities. The Project Manager ensures proper documentation, monitors productivity metrics, coordinates any field change requests, and maintains close communication with TOJ and the AMI contractors' management team to ensure compliance throughout our execution.

Field Supervisor – Provides daily leadership in the field and technical oversight, ensuring safety procedures, meter install specs, and data capture standards are met. The supervisor verifies proper meter installation, endpoint activation, and documentation, while coordinating any issue resolution with the Town of Jerome.

2–3 Field Technicians per Crew – Responsible for meter installations, endpoint activation, and data collected for each location. Crews are trained to handle minor plumbing repairs, cleanouts, and site restoration. Technicians are trained in confined-space safety and public interaction to ensure minimal disruption to residents and businesses.

Support Technicians (as needed) – Deployed to assist with specialized field tasks, rework, or punch list completion, and to maintain schedule adherence.

PWS's deployment model includes flexibility for scaling manpower to match project pacing and to accommodate factors such as terrain challenges, weather, or unforeseen conditions—ensuring consistent productivity and quality-driven outcomes from start to finish.

Installation Protocol

- 1. Pre-Inspection & Documentation
 - Conduct a visual inspection of the meter box and surrounding infrastructure
 - Photograph and log conditions of piping, valves, fittings, boxes, and meter reads
 - Note any discrepancies or variances at each location
- 2. Meter Changeout
 - Remove existing meter and return to Town per requirements
 - Install new meter level and aligned
 - Mount endpoint and verify data transmission
 - Backfill and clean site; confirm box is flush with grade
- 3. Post-Installation Verification
 - Record and submit the following at each location:
 - Address
 - Old and new serial numbers
 - Old final meter read
 - New IMR

- Date/time of installation
- Arrival and departure photos
- Valve position
- 4. RTU & Damage Handling
 - Document and report inaccessible or unsafe sites
 - Notify Town of Jerome of any property damage and coordinate repairs immediately

All removed materials will be returned to Town of Jerome at the designated location. Any supplemental scopes such as curb stop replacement, pit box resets, storage & staging will be handled by PWS on a case-by-case basis and priced separately, as they are excluded from our base bid. These items will be coordinated directly with the Town of Jerome well in advance of their occurrence.

Quality Control & Project Oversight

PWS integrates quality assurance into every stage of field execution to ensure full compliance with contract standards and expectations:

- Daily Supervisor Checks: Field supervisors will validate install quality, safety protocols, and documentation completion
- Weekly QA Reviews: Completed installs will be audited for compliance and data accuracy
- Photo Validation: All meter reads and endpoint/transmitter pairings must be verified against digital photos
- Issue Escalation & Rework: Any site failing inspection or data transfer will be flagged for rework
- Endpoint Verification: Units that fail to transmit properly to the AMI network will be reprogrammed, repositioned, or replaced as directed

Work Order Management & Data Handling

Phoenix Water Solutions (PWS) utilizes a cloud-based digital system to collect, organize, and submit all installation data in real time. This ensures compliance with the Town of Jerome's documentation standards while supporting efficient communication, progress tracking, and project oversight.

Key capabilities include:

- Daily uploads of installation data from the field
- Dashboards showing installation status, exceptions, and photos
- Data export in approved formats for import into Caselle
- Long-term storage of installation data (photos, GPS, meter reads) for at least 12 months postcompletion
- Meter and endpoint installation logs
- Before-and-after photo documentation
- GPS coordinates and timestamps
- Serial numbers and field notes linked to each service address.

- Endpoint signal verification reports
- Compatibility with the AMI vendor's digital record-keeping system and the Town's Caselle billing software for seamless work order processing and audit tracking

This digital documentation process ensures accuracy, transparency, and efficiency from field installation to project closeout, allowing the Town of Jerome to monitor installation performance in real time.

Exception & Damage Reporting

All inaccessible or obstructed sites, as well as discovered damaged or corroded valves, meter boxes, or service lines, will be thoroughly documented with photographic evidence and promptly reported to Town representatives.

PWS will not independently perform corrective actions outside the approved scope without direction from the Town.

This process protects the Town's liability and ensures alignment with established procedures.

All reported exceptions will include:

- Description of issue and location
- Supporting photo documentation
- GPS coordinates and timestamp
- Recommended next steps or required approvals

Inventory Tracking & Management

PWS will maintain detailed inventory control of all supplied materials (meters, gaskets, washers, valves, lids, boxes, and related components) from the time of checkout at the designated staging area until successful installation or approved return.

Daily inventory documentation will include:

- Detailed logs of materials used, returned, or remaining in possession
- Notification and return of damaged, defective, or excess materials
- Daily reconciliation reports submitted to support transparency and accuracy
- Secure storage and tracking of all provided materials to prevent loss or misallocation

Warranty & Customer Satisfaction

All workmanship performed by Phoenix Water Solutions (PWS) is backed by a 12-month warranty from the date of installation.

Covered at no charge:

• Installation related leaks, data transmission issues, or faulty fittings/gaskets

Response time:

- All end-user or Town-reported concerns will be acknowledged same business day
- · A field technician will be dispatched within 24 hours to assess and resolve the issue

Escalations:

 Issues beyond the defined scope will be elevated through the project manager and coordinated with the Town under standard utility procedures

Documentation:

 All warranty visits will be logged with photographs, corrective actions, and confirmation of completion for recordkeeping

Post-warranty support:

 PWS remains available to assist with ongoing service or maintenance needs beyond the warranty period

Communication & Management Process

As a key subcontractor, PWS will align its communication strategy with all Town of Jerome requirements regarding documentation, scheduling, reporting, and field visibility.

Our approach ensures clear, timely, and accurate communication; seamless coordination with project management team; and real-time visibility into field progress and installation quality. This plan defines our strategies for documentation, meetings, and reporting to maintain a strong working relationship and keep the project on schedule.

Customizable Dashboards

Pre-Construction Coordination

- PWS will participate in the pre-construction meeting with AMI vendor and the Town of Jerome to review project requirements, safety expectations, and coordination protocols.
- All required submittals, safety plans, and work schedules will be submitted for review and approval prior to field mobilization.
- Property access coordination will be managed in collaboration with the Town, ensuring all service locations are verified before installation begins.

Daily Updates

- Number of meters installed (by size and location)
- RTUs, communication issues, or exceptions encountered (with supporting photos)
- Site-specific conditions affecting installation or scheduling
- Inventory usage and field material status
- · Any safety or customer-related incidents encountered in the field

Weekly Reporting

- Installation summary and progress status
- RTU and exception reports
- QA/QC verification records
- Inventory reconciliation and material usage logs
- Summary of completed vs. pending service locations

Progress Meetings

 PWS will attend weekly progress meetings with the Town of Jerome to review ongoing activities and resolve open issues.

- Discussion topics will include:
 - Weekly lookahead schedules
 - Site-specific challenges or access limitations
 - Material tracking and inventory review
 - QC review and resolution of flagged items
 - Coordination of public notifications or traffic control

Daily Check-Ins

PWS On-Site Supervisors will conduct daily field briefings with the installation crews to confirm:

- Installation goals and planned routes for the day
- Utility or customer-related concerns raised by field staff
- Updates on defective legacy materials at service locations
- Adjustments to crew assignments or schedules as needed

Customer & Property Owner Notification

Phoenix Water Solutions (PWS) understands that property owner notifications—such as door hangers, call centers, or access permission forms—are not currently part of the base installation scope. However, should the Town of Jerome require this support, PWS is fully capable of assisting with notification efforts upon request and will price these services accordingly.

This includes, but is not limited to:

- Distribution of door hangers prior to and after meter replacement
- Delivery of 48-hour advance notices to affected residents and businesses
- · Collection of signed access permission forms for meters located outside public rights-of-way

All notices and templates will be coordinated with and approved by the Town of Jerome before use if this responsibility is assigned to PWS during the course of the project.

Adherence to Project Standards & Practices

Materials Handling:

All materials provided by the Town of Jerome will be handled and installed per manufacturer specifications and Town requirements. Any discrepancies, damage, or shortages will be immediately documented and reported for direction.

Professional Execution:

All installation work will be performed efficiently, safely, and respectfully, with full attention to

site preservation and community impact. Ground disturbances, meter box adjustments, and restoration areas will be restored to their original or improved condition, maintaining property appearance and public safety.

Tailored Metrics & Delivery

- If additional data fields or reporting formats are required by the Town of Jerome, PWS can promptly adjust field documentation and reporting templates to meet specific project needs.
- PWS's digital workflow system allows for on-demand customization of installation logs, photo reports, and progress dashboards for greater transparency.

Client-Specific Goals

- Regular communication ensures that PWS's field performance, documentation standards, and reporting schedules stay fully aligned with project oversight and the Town's operational priorities.
- Adjustments to production pacing, data formatting, or field scheduling can be made to address unique site conditions or Town preferences.

Installation Pricing

Town of Jerome

Advanced Metering Infrastructure (AMI) System

- Implementation Project



Phoenix Water Solutions, LLC 1606 E University Dr Ste 109 Phoenix, AZ 85034 (602) 962-9348 **Service Address** Town of Jerome 600 Clark St Jerome, Arizona 86331

Description	Price	QTY	Subtotal
3/4" Meter & Endpoint Installation		299	PARTICIPALITY OF THE PARTICIPA
Pre- and post-install visual inspection of meter box, piping, and fittings			
Removal of existing meter and return to Town-designated location			
Installation of new Endpoint & meter, level and aligned per spec			
Documentation of:			
Old meter read and serial number			
Endpoint/transmitter/MTU number			
New meter serial number and install timestamp			
Address, GPS, & Route			
Photo documentation of install and surrounding condition			
Site cleanup, backfill, and restoration to pre-construction condition			
1" Meter & Endpoint Installation	MALLE	17	

Pro and pact install visual inspection

Pre- and post-install visual inspection of meter box, piping, and fittings Removal of existing meter and return to Town-designated location Installation of new Endpoint & AMI meter, level and aligned per spec Documentation of:

Old meter read and serial number

Endpoint/transmitter/MTU number

New meter serial number and install timestamp

Address, GPS, & Route

Photo documentation of install and surrounding condition

Site cleanup, backfill, and restoration to pre-construction condition

1.5" Meter & Endpoint Installation		13	
Pre- and post-install visual inspection of meter box, piping, and fittings	y 00 0g0		
Removal of existing meter and return to Town-designated location			
Installation of new Endpoint & AMI meter, level and aligned per spec			
Documentation of:			
Old meter read and serial number			
Endpoint/transmitter/MTU number			
New meter serial number and install timestamp			
Address, GPS, & Route			
Photo documentation of install and surrounding condition			
Site cleanup, backfill, and restoration to pre-construction condition			
Flange Kits, Nuts, Bolts, etc. excluded	•4•		
2" Meter & Endpoint Installation		2	ARIPA
Pre- and nost-install visual inspection of mater box pining and fittings	•		A 220 AB

Pre- and post-install visual inspection of meter box, piping, and fittings Removal of existing meter and return to Town-designated location Installation of new Endpoint & AMI meter, level and aligned per spec Documentation of:

Old meter read and serial number

Endpoint/transmitter/MTU number

New meter serial number and install timestamp

Address, GPS, & Route

Photo documentation of install and surrounding condition Site cleanup, backfill, and restoration to pre-construction condition Flange Kits, Nuts, Bolts, etc. excluded

	1	
V~ 33		
		1

Total



Appendix A – Installation Scope Summary

Phoenix Water Solutions | Town of Jerome AMI Project

Phoenix Water Solutions has been actively engaged with the Town of Jerome project since early 2025, conducting a preliminary field review and coordination with the Town's water operator to assess existing conditions and meter configurations throughout the system. This early involvement has allowed PWS to develop a strong understanding of the Town's infrastructure, terrain, and site access considerations, ensuring that our installation pricing and schedule are grounded in real field data rather than assumptions.

Our team has completed thousands of meter retrofits and replacements for municipalities, utilities, and national REITs. PWS specializes in turnkey meter installation and deployment. Our team has worked with all major metering models and capable of installing and commissioning all major AMI platforms

Primary Scope of Work

- Removal of existing meters at designated service locations.
- Installation and alignment of new AMI meters and endpoints per manufacturer requirements.
- Endpoint programming and data entry into head-end system or handheld device as applicable
- Comprehensive Field documentation
- QC inspection and turnover package at each service (photos, install sheets, exception logs).
- Coordination with the selected system provider for testing, verification, and system integration

Ancillary & Variable Scope Items

The following item has been identified as a variable add-on to the base installation scope:

- Pit Box Excavation & Replacement:
 If access to valve/curb stop or meter unions are obstructed due to buried, deteriorated, or misaligned boxes, PWS will excavate, remove, and re-install pit boxes as needed to complete the meter changeout.
 - This would be billed on a unit rate basis and only performed with prior written approval from the distributor and/or Town of Jerome project lead.

Variable Item	Price
3/4" & 1" Pitbox Excavation, Removal & Reset	philips
Excavation for pit boxes with obstructive debris and soil, to create a clean, accessible environment for	*** *********************************
meter installation. Required for meter installations exceeding one pit box or reachable depth or pit boxes	
set on top of water meter connection fittings	

Additional Support Services Available

The following optional services can be provided by PWS upon request:

- Meter box and lid replacements
- Lid drilling
- Temporary bypass connections
- Curb & angle stop replacement
- Service line repair or replacement
- Sawcut asphalt/concrete
- Call center services
- Resident notifications

PWS Commitment to Safety & Quality

At Phoenix Water Solutions (PWS), safety, quality, and professionalism are the cornerstones of our field operations. Every project—regardless of size or scope—is executed in strict compliance with Arizona Division of Occupational Safety and Health (ADOSH) standards, best practices in environmental management, and rigorous internal quality control protocols.

ADOSH Compliance & Field Safety

PWS prioritizes full compliance with Arizona's Division of Occupational Safety and Health (ADOSH) for all jobsite activities. Our team members receive ongoing training and certification in:

- Confined space entry and ventilation protocols
- Hazardous material awareness and environmental protections
- Personal protective equipment (PPE) usage and safety protocol adherence
- Lockout/tagout procedures and emergency response

Confined Space Safety

Large meter work, vault access, and enclosed spaces are handled by three-person crews trained in confined space entry.

- Required safety equipment includes tripods, air quality monitors, confined space ladders, and ventilation tools.
- Respiratory protection and rescue protocols are followed per ADOSH confined space requirements.

Comprehensive Employee Safety Training

PWS enforces a documented health and safety policy led by a dedicated Safety Coordinator. Our employee training program includes:

- Basic Safety Training: Hazard recognition, emergency action plans, bloodborne pathogens, and fire prevention
- Field Safety: Ladder safety, power tool operation, mobile equipment use, and heat stress prevention
- Ongoing ADOSH Certification & Refreshers: Updated training on confined space entry, traffic control, and PPE

Quality Control & Installation Best Practices

PWS follows a standardized and documented installation process that ensures high-quality work and strict adherence to project specifications.

Pre-Installation Assessment

- Identify and document landscaping, traffic, meter box conditions, and service line material before beginning work.
- Proactively address potential obstacles to prevent unnecessary delays or service disruptions.

Installation & Quality Assurance

- Technicians follow a step-by-step documented procedure to ensure all meters are installed correctly.
- Leak-checks, AMI/AMR endpoint verification, and field site cleanup are conducted at every installation site.
- Experienced in working with various service line materials including copper, galvanized steel, ductile iron, and PVC.

Post-Installation Verification

- Before-and-after photo documentation
- Meter readings and serial number confirmation
- Before-and-after site documentation, including photographs and GPS data for complete tracking and accountability.

Project & Data Management

PWS ensures seamless integration between installation crews, project oversight teams, and utility systems through advanced project and data management tools.

- On-Site Project Management: PWS will assign an on-site manager(s) responsible for project staffing & installation oversight, customer complaint resolution & emergency response, appointment scheduling & inventory control, and daily quality control audits & compliance reporting.
- PWS-ITS Work Order Management System: PWS utilizes its Installation Tracking System (PWS-ITS) to manage and track all meter change-out programs.

Key Features of PWS-ITS:

- Centralized Data Management: Tracks meter locations, make, model, serial number, and installation status.
- Real-Time Quality Control: Captures installation data, including accuracy test results and leak detection logs.

- Photo & Document Storage: Logs images for quality assurance and work validation.
- Seamless Data Integration: Automatically transfers data to the Utility's billing software and GIS mapping system.

Customer Service Commitment

PWS prioritizes professional, ethical, and customer-focused service in all installation projects.

- Customer Communication & Scheduling: Flexible scheduling for commercial and multi-family properties, minimizing service disruptions. Coordination with municipality & customers for complex meter replacements requiring extended service shutdowns. 24/7 emergency response availability and after-hours contact support.
- Professionalism & Trust: Technicians wear PWS-branded uniforms and carry photo ID badges.
 Vehicles clearly marked with company name and contact information. PWS enforces a
 documented Code of Conduct across all employees. Comprehensive background checks and
 drug testing for all employees.

Installation Warranty & Follow-Up

- All labor is covered under a 12-month workmanship warranty
- Any post-installation issues caused by meter replacement will be corrected at no cost
- PWS provides 24/7 contact availability for urgent follow-ups during the project

Equipment & Resource Readiness

PWS equips all employees with specialized tools and safety equipment necessary to complete meter installations efficiently and safely.

Standard Equipment & Tools

- Fleet vehicles equipped with lifts, safety lights, and company branding
- Personal Protective Equipment (PPE), confined-space safety tools, and traffic safety gear
- Portable meter testing benches
- Hand and power tools for cleaning meter boxes, removing stubborn fittings, and securing new installations
- Vacuum pumps and air blowers for flooded meter boxes
- Valve keys, lid lifters, and generators

Hiring & Employment

PWS is committed to maintaining a workforce that meets all legal, regulatory, and safety requirements.

- E-Verify & Legal Compliance: PWS participates in E-Verify to ensure all employees are legally authorized to work in the United States. Employees adhere to City-mandated badge requirements and uniform policies.
- Employee & OSHA Training: All field technicians receive ADOSH safety training and confined space certification. Continuous training programs ensure employees remain up to date on all confined space, hazardous work, and environmental protection protocols.

Environmental Management

PWS complies with Arizona Department of Environmental Quality (ADEQ) and local environmental regulations during all phases of work.

 Environmental Standards & Waste Management: Follows EPA & ADEQ standards for hazardous waste disposal and lead-free material usage. Recycling and water conservation programs integrated into our installation approach. Where applicable, meter boxes, lids, and related materials are recycled or repurposed.

Exclusions List

The purpose of this Exclusion List is to clearly outline the scope of work that is not covered by Phoenix Water Solutions (PWS) for the Rubidoux Community Services District (RCSD) AMI Implementation Phase I project. This document is a key part of the overall bid and aims to provide transparency, manage expectations, and ensure clear communication between all parties. By explicitly stating what is excluded from the scope, both RCSD and PWS can allocate resources effectively and avoid misunderstandings.

It is essential to review this Exclusion List alongside the main proposal to understand the limitations of the services provided.

Note: This list is illustrative and may not include every potential exclusion. Any concerns should be discussed and resolved prior to bid submission. Items listed here may be performed as additional services if authorized.

Labor Exclusions

- 1. Overtime, Off-Hours, and Weekend Work Not covered unless explicitly approved in writing.
- 2. Non-Specialized Labor Tasks outside PWS's standard water meter installation, box lid, piping, and trenching are excluded.
- **3. Management of Other Subcontractors** PWS is not responsible for managing subcontractors outside its direct hire.

Material Exclusions

- Material Price Fluctuations Price increases after contract execution are not included.
- 2. Owner-Supplied Materials PWS assumes no liability for issues involving provided meters or parts.
- 3. Specialty or High-End Materials Not included unless specifically listed in the bid pricing schedule.

Work Scope Exclusions

- 1. **Design Changes** Any revisions to scope, location, or materials not defined in the RFP or bid documents are excluded.
- 2. **Archaeological or Environmental Discovery** Not responsible for handling buried historical or environmental finds.
- 3. Soil and Environmental Testing Not included unless specifically noted.
- 4. **Landscaping and Water Table Issues** Restoration beyond typical backfill (e.g., turf, landscaping, or high water table mitigation) is excluded.
- 5. Utility Connections System-side utility service or mainline connections are not included unless specified.
- Permit and Licensing Fees PWS assumes the prime contractor will obtain permits unless otherwise agreed.
- 7. **Code Compliance** Any changes made to meet new or updated codes after bid submission are excluded.
- 8. **Pitbox Lids** -- Endpoint lid drilling or lid replacement is not included in this line item. PWS can mount endpoints through existing pre-drilled lids or utilize slotted lids that allow a no-drill slip-in installation. Final

endpoint mounting approach and lid compatibility should be confirmed with Ferguson based on the selected meter system and endpoint hardware.

Safety and Compliance

- Asbestos and Hazardous Material Removal Not included unless discovered and approved by Change
 Order.
- 2. Specialized Safety Gear Not included unless specified in the contract or required by regulation.

Financial Exclusions

- Contingency Costs Any unforeseen conditions not described in the contract documents will require a
 Change Order.
- 2. Interest on Late Payments Not included unless previously defined in the agreement.
- 3. Third-Party Inspections or Consultant Costs These are excluded unless expressly stated.

Project Management and Timelines

- 1. **Delays Caused by Others** PWS is not responsible for delays caused by the District, vendors, weather, permitting, or external contractors.
- 2. **Dispute Mediation or Legal Representation** Legal costs arising from third-party disputes are excluded.

Miscellaneous Exclusions

- Force Majeure PWS is excluded from liability for delays or damages resulting from events beyond
 reasonable control, including natural disasters, severe weather, pandemics, strikes, or governmental actions.
- 2. **Public Relations and Marketing** Costs, labor, or materials related to promotional, outreach, or public information campaigns are not included unless specifically requested and quoted.
- 3. **Dispute Resolution and Legal Fees** Legal costs, mediation, or arbitration involving third parties (e.g., homeowners, subcontractors, vendors) are not included unless specifically approved by the District.

Leak and Infrastructure Exclusions

- 1. **Leaks on Incorrect Side of Meters** PWS is not responsible for leaks on the service/customer side of the meter or due to incorrect labeling of water service lines. Any post-installation issue outside the defined work zone is excluded.
- 2. **Old Infrastructure Failures** Failures due to deteriorated, improperly marked, or undocumented legacy infrastructure (including brittle lines, shallow depths, or corroded valves) are not covered under base contract terms and must be reviewed for additional scope via Change Order.

Large Meter Exclusions

- 1. **External Valve Locations** Excludes additional work for meter vaults that do not have both supply and return valves located outside the vault. Any added requirement to install or relocate valves is not included.
- 2. **Permit Acquisition (PWS)** PWS is not responsible for obtaining permits. Any permitting requirements must be coordinated and managed by the prime contractor or owner.
- 3. **Meter Start-up Responsibility** The process of initializing, activating, or calibrating meters after installation is excluded unless explicitly included in the agreed scope.

- 4. **Installation Requirements** Any unique or project-specific installation requirements not defined in the contract or bid documents are excluded and subject to additional review and pricing.
- 5. **Documentation Requirements** Additional documentation requests (e.g., detailed reports, special data formatting) not specified during the bid process are not included.
- 6. **Meter Delivery Responsibilities** PWS excludes responsibility for delivering large meters to the job site unless clearly defined in the contract. Clarification is needed on whether the responsibility lies with the prime contractor, the District, or PWS.
- 7. **Heavy Meters Consideration** The handling, transportation, and installation of heavy meters requiring special equipment, coordination, or additional labor are excluded unless previously discussed and priced.
- 8. **Weights and Measures** The calibration and certification of meters through a Weights and Measures process is excluded from the scope and pricing unless otherwise stated.

Note: The exclusions outlined above reflect tasks, resources, and responsibilities outside the original scope and pricing for the Rubidoux AMI Implementation Project. If any of these items are requested during the course of the project, PWS will prepare a formal estimate for approval prior to execution. This approach supports transparency, scope alignment, and successful project delivery.





Elevate Your Property's Efficiency and Reliability With Our Tailored Meter Servicing Solution

OUR METER SERVICING EXPERTISE

We are dedicated to providing exceptional meter servicing that aligns with our core values of water conservation, client return on investment (ROI), and seamless service integration. With us, we know how key it is to have water meters that work right and give you the information you need.

NATIONWIDE REACH



Full time Technicians covering 25 States



We have offices in Florida, Arizona, California, Michigan, and Texas.

Tout

BRAND PROMISE

- Turnkey Solutions
- Quantified ROI
- Proactive Solutions
- ✓ Water Utility Experts
- ✓ Data-Driven Services
- Simplified Payment Solutions
- Commitment to Relationships
- Water Conservation Leadership

WHERE NEED MEETS EXPERTISE

Versatile System Knowledge: Proficient with a wide range of metering systems.

Custom Pricing Models: Flexible pricing to meet unique customer requirements.



Who We Are

We were founded in 2015 with a mission to elevate the country's water conservation standards through technology and service. We build and support solutions that reduce waste and address our partner's and customer needs.

Our Mission

Phoenix Water Solutions strives to conserve our most precious resource by installing data-driven technologies and sustainable infrastructure.

Through our services, we reduce waste and make communities proactive with their water management turning their expense into an asset.



Detailed Documentation Process

- GPS Coordinates: Precise location tracking.
- Serial Numbers: Ensuring accurate identification.
- Time Stamps: Verifiable service times.
- Photos: Visual proof of condition and service.
- Field Notes: Comprehensive records of visit.



Customized Service Approach

- Tailored systems for seamless data integration.
- Strategic use of specialized tools for enhanced partnership support.



Professionalism in Action

- Technicians provide live updates.
- Company-branded uniforms and vehicles for easy recognition.
- Thorough final checks to guarantee perfect functioning.

GET IN TOUCH WITH US



www.phoenixwatersolutions.com

info@phoenixwatersolutions.com

SERVICES OFFERED

VAULT METER INSTALLS

Our Technicians are Confined Space Certified for vault meter installations.

LARGE METER CAPABILITY

We also specialize in servicing large meters, including those in vaults or wells, ranging from 3 to 10 inches.

MONTHLY READING SERVICE

Our monthly water meter reading service ensures accuracy and timeliness for billing cycles.

MUNICIPAL & PRIVATE SECTOR COLLABORATION

We are equipped to handle the needs of both private companies and public entities, offering contracted services for comprehensive water meter management.

GENERAL METER SERVICING

We install comprehensive %-inch and 1-inch metering systems, suitable for both indoor and outdoor applications.

WE STAND OUT WITH OUR EXTENSIVE KNOWLEDGE IN SERVICING A VAST ARRAY OF METER SYSTEMS:



Page 27 of 27















Easy Installation, Seamless Integration

Neptune® E-CODER®)R900i™



The Neptune® E-CODER®)R900i [™] is designed as an all-in-one package – pairing absolute encoder technology with the reliable connectivity of any Neptune R900® System endpoint. The E-CODER register provides an easy-to-read LCD display combined with flexible AMR/AMI connectivity and is compatible with any Neptune mechanical meter. Integrated endpoints eliminate the hassle of wiring while delivering reliable and accurate data to optimize system performance, improve customer service, and support water conservation initiatives.

- Eliminate the hassle of endpoint programming and wiring
- Flexible meter reading options with AMR/AMI capabilities
 - R900 (AMR/AMI)
 - ∘ LoRaWAN® (AMI)
 - Cellular (AMI)
- Peace of mind with access to 96 days of historical consumption data
- Prevent tampering and environmental damage with no external wires

- Improve service quality and billing accuracy with detailed consumption data
- Reduce inventory with an all-in-one register and endpoint package
- Pinpoint trouble areas quickly with flags that identify leaks, reverse flow, and tampering
- Streamline testing and onsite troubleshooting with on-screen flow rate and flags



Endpoint Specifications

Electrical Specifications

• Endpoint power: Lithium battery with capacitor

Transmitter Specifications:

- · Two-way endpoint
- Meter Reading & Flag Interval:
 - Every 15 minutes
 - · Leak, Backflow, Tamper
- Data Logging Interval:
- 96 days of hourly data

Environmental Conditions

- Operating Temperature: -22° F to $+149^{\circ}$ F (-30° C to $+65^{\circ}$ C)
- Storage Temperature: -40° F to $+158^{\circ}$ F (-40° C to $+70^{\circ}$ C)
- Operating Humidity: 100% condensing, fully submersible (Pit Set version only)

Materials

- Register Housing:
- Engineer polymer
- Roll-sealed copper (Pit Set version only)
- Lens: Tempered Glass

Options

Compatibility

- Available for every size Neptune mechanical meter
- Handhelds/mobile devices with belt clip transceiver - mobile RF
- Mobile data collector RF
- R900[®] gateway fixed network RF
- · LoRaWAN gateway fixed network RF

Testing units used for diagnostics Extended reading units

Customary billing units

Resolution & Capacity

High Resolution (8-digit reading)

	Size	G	ft³	m³
T-10 (Includes disc side of TRU/FLO)	5⁄8", ¾", 1"	0.1	0.01	0.001
T-10 (Includes disc side of HPPIII)	1½", 2"	1	0.1	0.01
HP Turbine (Includes FS Turbine, HPPIII, Turbine Side of TRU/FLO)	1½", 2", 3", 4"	1	0.1	0.01
HP Turbine (Includes FS Turbine, HPPIII, Turbine Side of TRU/FLO)	6", 8", 10"	10	1	0.1

Register Capacity

	Size	G	ft³	m³
T-10®(Includes disc side of TRU/FLO®)	5/8 ", 3/4", 1"	10,000,000	1,000,000	100,000
T-10 (Includes disc side of HPPIII)	1½", 2"	100,000,000	10,000,000	1,000,000
HP Turbine (Includes FS Turbine, HPPIII, Turbine Side of TRU/FLO)	1½", 2", 3", 4"	100,000,000	10,000,000	1,000,000
HP Turbine (Includes FS Turbine, HPPIII, Turbine Side of TRU/FLO)	6", 8", 10"	1,000,000,000	100,000,000	10,000,000

Units of Measure

• U.S. Gallons, Cubic Feet, Imperial Gallons, Cubic Metres

Antennas

- Internal antenna (not available on LoRaWAN or cellular)
- · Optional through-the-lid antenna
- 18" coax
- 6' coax
- 20' coax

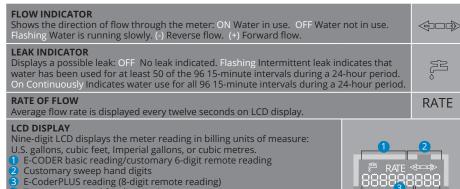
Warranty

• Neptune provides a limited warranty for performance, materials, and workmanship. See warranty statement for details.

LCD Display

- 9-digit display for extra resolution on manual reads.
- Internal Antenna
- External Antenna Port
- Solar Panel
- 4 Date of Manufacture
- 5 LCD Display
- 6 T-10[®] Meter
- R900® Endpoint Integrated







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Neptune Technology Group 1600 Alabama Highway 229 Tallassee, AL 36078 800-633-8754 f 334-283-7293



A PRODUCT SHEET OF NEPTUNE TECHNOLOGY GROUP

T-10 Meter

SIZES 5/8", 3/4", AND 1"

Every T-10° water meter meets or exceeds the latest AWWA C700 Standard. Its nutating disc, positive displacement principle has been time-proven for accuracy and dependability since 1892, ensuring maximum utility revenue.

The T-10 water meter consists of three major assemblies: a register, a lead free, high-copper alloy maincase, and a nutating disc measuring chamber.

The T-10 meter is available with a variety of register types. For reading convenience, the register can be mounted in one of four positions on the meter.

The corrosion-resistant maincase will withstand harsh service conditions; internal water pressure, rough handling, and in-line piping stress.

The innovative floating chamber design of the nutating disc measuring element is unaffected by meter position of in-line piping stresses while the unique chamber seal extends the low-flow accuracy by sealing the chamber outlet port to the maincase outlet port. The nutating disc measuring element utilizes corrosion-resistant materials throughout and a thrust roller to minimize wear.



KEY FEATURES

REGISTER

Magnetic-driven, low-torque registration ensures accuracy

Impact-resistant register

High-resolution, low-flow leak detection

Bayonet-style register mount allows in-line serviceability

Tamperproof seal pin deters theft

Date of manufacture, size, and model stamped on dial face

LEAD FREE MAINCASE

NSF/ANSI 372, NSF/ANSI 61

Lifetime guarantee

Resists internal pressure stresses and external damage

Handles in-line piping variations and stresses

Provides residual value vs. plastic or composite

Electrical grounding continuity

NUTATING DISC MEASURING CHAMBER

Positive displacement

Widest effective flow range for maximum revenue

Proprietary polymer materials maximize long-term accuracy

Floating chamber design is unaffected by in-line piping stresses

Specifications

- NSF/ANSI 372, NSF/ANSI 61
- National Type Evaluation Program (NTEP) certification

Application

 Cold water measurement of flow in one direction in residential service applications

Maximum Operating Water Pressure

• 150 psi (1034 kPa)

Maximum Operating Water Temperature

• 80°F

Measuring Chamber

 Nutating disc technology design made from proprietary synthetic polymer

Options

Sizes

- · 5/8", 5/8" x 3/4"
- · 3/4", 3/4" SL, 3/4" x 1"
- 1", 1" x 1¹/₄"

Units of Measure:

• U.S. gallons, imperial gallons, cubic feet, cubic metres

Register Types

• Direct reading: bronze box and cover (standard)

Remote Reading:

ProCoder[™], E-CODER[®],
 E-CODER[®])R900i[™],
 ProCoder[™])R900i[™]

Bottom Caps

- Synthetic polymer (5/8" only)
- Cast iron
- Lead free, high-copper alloy

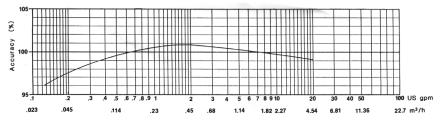
Connections

• Lead free, high-copper alloy, straight or bent

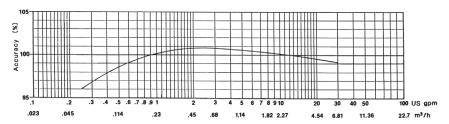
Environmental Conditions

- Operating temperature: +33° F to +149° F (0° C to +65° C)
- Storage temperature: +33° F to +158° F (0° C to +70° C)

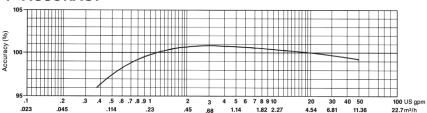
5/8" ACCURACY



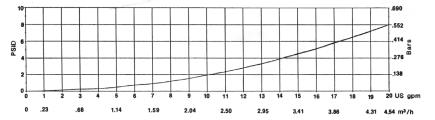
3/4" ACCURACY



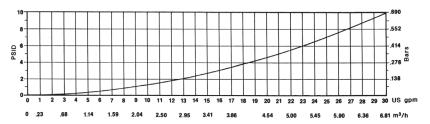
1" ACCURACY



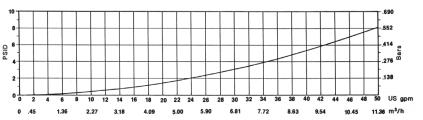
5/8" PRESSURE LOSS



3/4" PRESSURE LOSS



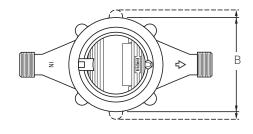
1" PRESSURE LOSS

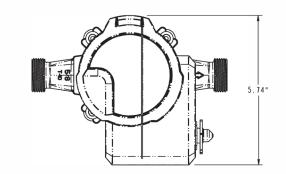


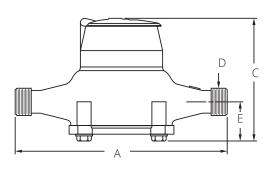
These charts show typical meter performance. Individual results may vary.

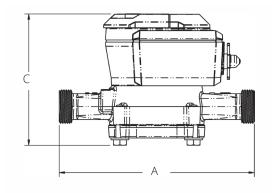
Dimensions

	Α	В		С				D-	E-	
Meter Size	in/ mm	in/ mm	Std. in/mm	ARB in/mm	ProCoder™ or E-CODER®	ProCoder™) R900 <i>i</i> ™ or ProCoder™) R450 <i>i</i> ™	E-CODER®) R900 <i>i</i> ™or E-CODER®) R450 <i>i</i> ™	NPSM Thread	in/ mm	Weight lbs/kg
5/8"	7½ 191	3% 92	4% 111	5¼ 133	5¼ 133	5¼ 133	5¼ 133	³⁄₄" - 14"	1½ 38	3¼ 1.4
%" x ¾"	7½ 191	3% 92	4¾ 111	5¼ 133	5¼ 133	5¼ 133	5¼ 133	1" - 11½"	1½ 38	3¾ 1.5
Pre 2011 %"	7½ 191	3% 92	4% 124	5½ 146	5½ 139	5½ 139	5½ 139	¾" - 14"	1% 41	3¾ 1.7
Pre 2011 %" x ³ 4"	7½ 191	3% 92	4% 124	5½ 146	5½ 139	5½ 139	5½ 139	1" - 11½"	1% 41	4 1.8
3/4"	9 229	4% 111	5½ 140	6¼ 159	6¼ 159	6¼ 159	6¼ 159	1" - 11½"	1% 48	6 2.7
³⁄4" SL	7½ 191	4% 111	5½ 140	6¼ 159	6¼ 159	6¼ 159	6¼ 159	1" - 11½"	1% 48	5½ 2.5
³ ⁄ ₄ " x 1"	9 229	4% 111	5½ 140	6¼ 159	6¼ 159	6¼ 159	6¼ 159	11/4" - 111/2"	1% 48	6½ 2.9
1"	10¾ 273	6½ 165	6% 162	7 178	7 178	7 178	7 178	1¼" - 11½"	2½ 54	9¾ 4.4
1" x 1¼"	10¾ 273	6½ 165	6¾ 162	7 178	7 178	7 178	7 178	1½" - 11½"	2½ 54	10¼ 4.6









Operating Characteristics

Meter Size	Normal Operating Range @ 100% Accuracy (+/- 1.5%)	AWWA Standard	Low Flow @ 95% Accuracy
5/8"	½ to 20 US gpm	1 to 20 US gpm	⅓ US gpm
	0.11 to 4.55 m³/h	0.23 to 4.5 m³/h	0.03 m³/h
3/4"	³ / ₄ to 30 US gpm	2 to 30 US gpm	¹ / ₄ US gpm
	0.17 to 6.82 m ³ /h	0.45 to 6.8 m³/h	0.06 m³/h
1"	1 to 50 US gpm	3 to 50 US gpm	³/s US gpm
	0.23 to 11.36 m³/h	0.68 to 11.4 m ³ /h	0.09 m³/h

Registration

ProRead Regist (per sweep han	ration d revolution)	%"	¾" & 1"
10	US Gallons	√	√
10	Imperial Gallons	√	√
1	Cubic Foot	√	√
0.1	Cubic Metre	√	√
Register Capacity ProRead, ProCoder, and E-CODER		5/8″	³/4" & 1 "
10,000,000	US Gallons	√	√
10,000,000	Imperial Gallons	√	√
1,000,000	Cubic Feet	√	√
100,000	Cubic Metres	√	√
ProCoder and E-CODER High Resolution (8-digit reading)		5/8″	³/4″ & 1 ″
0.1	US Gallons	√	√
0.1	Imperial Gallons	√	√
0.01	Cubic Feet	√	√
0.001	Cubic Metres	√	√

Warranty

Neptune® provides a limited warranty for performance, materials, and workmanship. See warranty statement for details.

Guaranteed Compatibility

All T-10 water meters are guaranteed adaptable to our ProRead[™], AutoDetect, ProCoder[™], E-CODER[®], E-CODER[®])R450*i*[™], ProCoder[™])R900*i*[™], E-CODER[®])R450*i*[™], ProCoder[™])R900*i*[™], TRICON[®]/S, TRICON/E[®]3, and Neptune meter reading systems without removing the meter from service.



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A PRODUCT SHEET OF NEPTUNE TECHNOLOGY GROUP

T-10® METER

SIZES: 1 ½" and 2"

Every Neptune® T-10® water meter meets or exceeds the latest AWWA C700 Standard. Its nutating disc, positive displacement principle has been time-proven for accuracy and dependability since 1892, ensuring maximum utility revenue.

The T-10 water meter consists of three major assemblies: a register, a lead free, high-copper alloy maincase, and a nutating disc measuring chamber.

The T-10 meter is available with a variety of register types. For reading convenience, the register can be mounted in one of four positions on the meter.

The corrosion-resistant maincase will withstand harsh service conditions: internal water pressure, rough handling, and in-line piping stress.

The innovative floating chamber design of the nutating disc measuring element protects the chamber from frost damage while the unique chamber seal extends the low-flow accuracy by sealing the chamber outlet port to the maincase outlet port. The nutating disc measuring element utilizes corrosion-resistant materials throughout and a thrust roller to minimize wear.



KEY FEATURES

Register

- Magnetic-driven, low-torque registration ensures accuracy
- Impact-resistant register
- High-resolution, low-flow leak detection
- Bayonet-style register mount allows in-line serviceability
- Tamperproof seal pin deters theft
- Date of manufacture, size, and model stamped on dial face

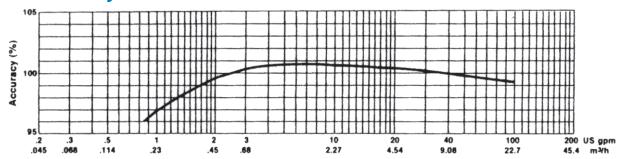
Lead Free Maincase

- Made from lead free, high-copper alloy
- · NSF/ANSI 61 Certified
- NSF/ANSI 372 Certified
- Lifetime guarantee
- Resists internal pressure stresses and external damage
- Handles in-line piping variations and stresses
- Provides residual value vs. plastic
- Electrical grounding continuity

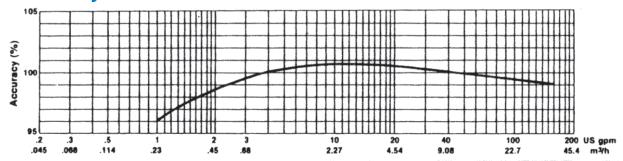
Nutating Disc Measuring Chamber

- Positive displacement
- Widest effective flow range for maximum revenue
- Proprietary polymer materials maximize long-term accuracy
- Floating chamber design is unaffected by in-line piping stresses

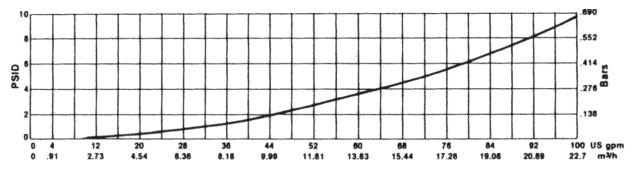
1 1/2" Accuracy



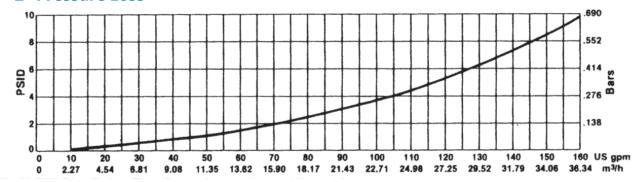
2" Accuracy



1 ½" Pressure Loss



2" Pressure Loss



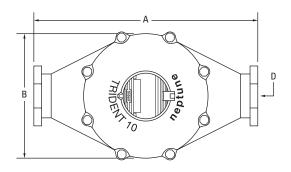
Operating Characteristics

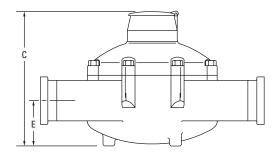
Meter	Normal Operating Range	AWWA	Low Flow
Size	@100% Accuracy (±1.5%)	Standard	@ 95% Accuracy
1 ½"	2 to 100 US gpm	5 to 100 US gpm	³/₄ US gpm
	0.46 to 22.73 m³/h	1.1 to 22.7 m³/h	0.17 m³/h
2"	2 ¹ / ₂ to 160 US gpm	8 to 160 US gpm	1 US gpm
	0.57 to 36.36 m³/h	1.8 to 36.3 m³/h	0.23 m³/h

Dimensions

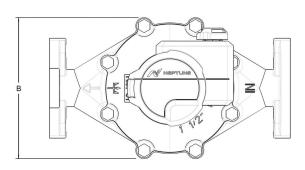
Meter Size	A in/mm	B in/mm	C-Std. in/mm	C-ARB in/mm	C- E-CODER®) R900i™ or ProCoder™) R900i™	D- Threads per inch	D- Thread Type	E in/mm	Weight lbs/kg
1 ½" Screw End	12	8 ½ ₆ 205	8 ½ 206	8 ¹³ / ₁₆ 220.3	8 ³ / ₈ 213	11 ¹ / ₂	1 ¹ / ₂ NPT	2 ^{9/} 16 65	31 14.1
1 ½" Flanged End	13 330	8 ½ ₆ 205	8 ½ 206	8 ¹³ / ₁₆ 220.3	8 ³ / ₈ 213	_	_	2 ⁹ / ₁₆ 65	35 15.9
2" Screw End	15 ¼ 387	9 ½ ₁₆ 240	9 ½ 237	9 ¹⁵ / ₁₆ 248.4	9 ¹ / ₂ 241	11 ¹ / ₂	2" NPT	3 ¹ / ₈ 79	40 18.1
2" Flanged End	17 432	9 ¾ ₁₆ 240	9 ½ 237	9 ¹⁵ / ₁₆ 248.4	9 ¹ / ₂ 241	_	_	3 ¹ / ₈ 79	44 20.0

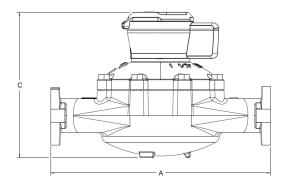
T-10 With Standard Register





T-10 With E-CODER®)R900*i*™ or ProCoder™)R900*i*™ Pit Register





Guaranteed Compatibility

All T-10 meters are guaranteed adaptable to our ProRead[™], ProCoder[™], E-CODER[®], E-CODER®)R900i[™], E-CODER®)R450i[™], • Cold water measurement of flow in ProCoder[™])R900i[™], TRICON[®]/S, TRICON/E[®]3, and Neptune Utility Systems[™] without removing the meter from service.

Specifications

Certification

NSF/ANSI 61, NSF/ANSI 372

Application

one direction

Maximum Operating Water Pressure

• 150 psi (1,034 kPa)

Maximum Operating Water Temperature

• 80°F

Measuring Chamber

• Nutating disc technology design made from proprietary synthetic polymer

Registration

ProRead Registration (per sweep hand revo		1 ½"	2"
100	US Gallons	✓	✓
100	Imperial Gallons	✓	✓
10	Cubic Feet	✓	✓
1	Cubic Metre		1
.01	Cubic Metre	✓	
Register Capacity ProRead, ProCoder, a	ınd E-CODER	1 ½"	2"
100,000,000	US Gallons	1	1
100,000,000	Imperial Gallons	1	1
10,000,000	Cubic Feet	1	1
100,000	Cubic Metres	/ *	
1,000,000	Cubic Metres	/ **	✓
E-CODER High Resolu	tion (8-digit reading)	1 ½"	2"
1	US Gallons	1	1
1	Imperial Gallons	1	1
0.1	Cubic Feet	1	1
0.01	Cubic Metres		1
0.001	Cubic Metres	1	
ProCoder High Resolution (8-digit reading)		1 ½"	2"
1	US Gallons	✓	✓
1	Imperial Gallons	1	✓
0.1	Cubic Feet	✓	✓
0.01	Cubic Metres	1	1

^{*}ProRead and E-CODER only **ProCoder only

Options

Sizes

- 1 ½" flanged or threaded end
- 2" flanged or threaded end

Units of Measure

• U.S. gallons, imperial gallons, cubic feet, cubic metres

Register Types

• ProCoder, E-CODER, E-CODER)R900i, ProCoder)R900i

Measuring Chamber

• Synthetic polymer

Companion Flanges

• Lead free, high-copper alloy

Environmental Conditions

- Operating temperature: +33°F to +149°F (0°C to +65°C)
- Storage temperature:
- +33°F to +158°F (0°C to +70°C)

Test Ports

• 1" (optional)

Warranty

Neptune provides a limited warranty for performance, materials, and workmanship. See warranty statement for details.

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Superior Accuracy. Zero Maintenance.

Neptune® MACH 10® Ultrasonic Meter



The MACH 10® ultrasonic water meter features solid state ultrasonic technology including a factory-calibrated, replaceable unitized measuring element (UME) with no degradation of accuracy over time. Combined with a corrosion-resistant, lead free, high-copper alloy maincase, the MACH 10 is built to withstand demanding service conditions and deliver sustained accuracy over the life of the meter.

- Sizes 3" through 12"
- Extended low-flow range for superior leak detection
- Accuracy sustained over meter life
- Can be installed in both horizontal and vertical applications
- Open flow path design with low pressure loss

- Advanced ultrasonic technology with easily replaceable UME design
- Lead free, high-copper alloy maincase
- UL Listed and FM Approved (standard)
- Available in standard turbine and compound lay lengths
- No maintenance



Specifications

AWWA C715 Compliant

NSF/ANSI 61 Certified

UL Listed/FM Approved (Standard)

Maximum Operating Water Pressure

• 175 psi

Operating Water Temperature Range

 $\cdot +33^{\circ}F \text{ to } +122^{\circ}F (+0.5^{\circ}C \text{ to } +50^{\circ}C)$

Environmental Conditions

- Operating temperature: +14°F to +149°F (-10°C to +65°C)
- Storage temperature: -40°F to +158°F (-40°C to +70°C)

Expected Battery Life

• 10 years

Applications

- · Potable water
- · Fire service
- · Reclaim water

Warranty

 Neptune provides a limited warranty for performance, materials, and workmanship. See warranty statement for details.

System Compatibility

 Compatible with Neptune R900® System. Also available as MACH 10®)R900i™ for an integrated radio solution and MACH 10®)TC for Sensus Touch Coupler compatibility.

Operating Characteristics

Matau	Extended Low	Normal Operating	Safe Ma Operating	-
Meter Size	Flow @ 100% Accuracy (+/- 3.0%)	Range @ 100% Accuracy (+/- 1.5%)	Normal Operation (Non Fire Service)	Fire Service
3"	0.50 U.S. gpm	0.75 to 500 U.S. gpm	500 U.S. gpm	420 U.S. gpm
4"	0.75 U.S. gpm	1.5 to 1250 U.S. gpm	1250 U.S. gpm	1100 U.S. gpm
6"	1.0 U.S. gpm	2.0 to 2000 U.S. gpm	2000 U.S. gpm	1800 U.S. gpm
8"	4.0 U.S. gpm	6.0 to 4000 U.S. gpm	4000 U.S. gpm	4000 U.S. gpm
10"	6.0 U.S. gpm	10.0 to 6500 U.S. gpm	6500 U.S. gpm	6500 U.S. gpm
12"	8.0 U.S. gpm	12.0 to 8000 U.S. gpm	8000 U.S. gpm	8000 U.S. gpm

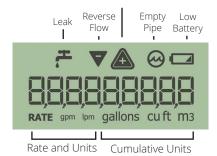
Registration

	Resolution git reading)	3"	4"	6" - 12"
1	U.S. Gallons	√	√	
10	U.S. Gallons			√
0.1	Cubic Feet	√	√	
1	Cubic Feet			√
0.01	Cubic Metres	√	√	
0.1	Cubic Metres			√

LCD Display

9-digit display for extra resolution on manual reads.

Forward Flow + Warning for Excessive Flow



Dimensions

Meter Size	Length	Height	Weight
3"	12"	9½"	39 lbs
3	17"	9½"	42 lbs
4"	14"	11"	51 lbs
4	20"	11"	57 lbs
6"	18"	12¾"	79 lbs
0	24"	12¾"	91 lbs
8"	20"	15 ¾"	160 lbs
10"	26"	17 ‰"	264 lbs
12"	19 7/10"	20"	292 lbs

Available Units of Measure

Consumption	Rate
Gallons	GPM
Cubic Feet	GPM
Cubic Metres	LPM

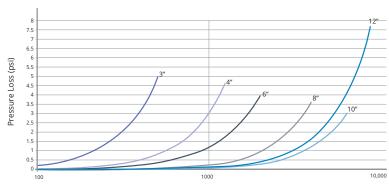




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Pressure Loss

This chart shows typical meter performance. Individual results may vary.



Flow Rate (U.S. gpm)

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Neptune® 360™ Meter Data Management Platform

A Product of Neptune Technology Group







Data is just data unless you can use it effectively.

Go beyond basic meter reading and billing with

Neptune® 360™ and gain a deeper understanding of the data you collect for faster, more informed decisions.

From mobile meter reading to an AMI network, use the same software platform. Your utility and consumer data all in one place, without the burden of maintaining IT infrastructure.

Integrate and share your data seamlessly, respond to your customers faster, and proactively identify and resolve issues quickly with software designed specifically for water utilities.

Putting Your Data in View

Having data is one thing, making sense of it is another. Neptune 360 delivers an intuitive, userfriendly design, making data clear and easy to interpret. Examining your entire AMI network using system-wide Key Performance Indicators and geographical views assists with identifying areas of concern and finding ways to maximize operational efficiencies.

Quickly access a dashboard view of your largest water customers while also providing consumers self-service access to their water consumption. Analysis of individual trends and usage patterns helps resolve customer service calls with confidence. Detailed reporting of consumption activity, potential leaks, and reverse flow will keep you ahead of issues that could impact your utility's revenue.





Lift Your IT Burden with a Cloud-Based Solution

Boost utility efficiency with Neptune 360. No longer install servers or perform upgrades. All you need is an Internet browser to log on from anywhere at any time.

Share Information

Your management, maintenance, customer service, water conservation, and other departments all need fast, easy access to information. Share and leverage actionable data captured by Neptune 360, empowering collaboration and helping predict impacts on your utility. The platform seamlessly integrates meter data, event data, and alerts directly with third-party work order systems, customer portals, hydraulic modeling applications, and other systems through Application Programming Interfaces (APIs).



A True Sense of Security

Ease your security concerns and stay focused on the critical work of water. Neptune 360 is SOC-certified and operates from a continuously-monitored world-class data center, providing the highest level of security, redundancy, and disaster recovery services.



An Application that Grows as You Grow

From mobile meter reading today, to moving to an AMI network tomorrow, the same software platform is utilized. Apply trend analysis in rate structure planning and usage initiatives. The modular-based platform makes it easy to turn on new features as your needs evolve, bringing you critical data to proactively plan for tomorrow.



Trust the Data

Data accuracy and dependability matter. By implementing the highest-level architecture, Neptune ensures data integrity with processes and tools to maintain quality from the meter to the platform as part of routine business operation.

Neptune® My360™ Consumer Portal

Enhance utility customer service and

Users can set water thresholds and





Analyze and share meaningful data with a platform that empowers utilities. Actionable insights help you achieve your goals and objectives.

Stream accurate actionable data right into Neptune® 360™.

METERS MATTER

WALK-BY DATA

Sync collected data easily.

FUTURE PROOF AMI

Connect AMI network data.

MOBILE

Incorporate mobile data collection.

BRING YOUR OWN DEVICE

Eliminate specialized devices and communicate efficiently.



THIRD PARTY SOFTWARE

Link data with third party applications (such as CIS and ESRI).



CONSUMER PORTAL

Intuitive self-service solution to view consumption and encourage conservation.



- + ACT QUICKLY
- + PLAN FOR THE FUTURE
- + MANAGE GROWTH



Specifications

Neptune 360

- Google Chrome and Microsoft Edge web browsers supported
- When using touch screen monitors, Neptune recommends Microsoft Edge web browser for optimal viewing and performance

Neptune 360 Mobile

Neptune 360 Mobile supports Android, iPhone, and iPad devices running the following operating systems:

- · Android:
 - Recommended device manufacturers: Samsung, Nexus, or Motorola
 - Supported OS Versions: 5.1 11
- iOS:
 - Versions 10.3.1 15

Neptune My360

- A web browser with Internet connectivity is required
- Responsive design with capability to run on desktop, laptop, tablet and mobile devices



Neptune® 360™ Mobile

Neptune 360 Mobile provides direct communication via wireless from the field without the need to go back into the office, yielding data on demand for more efficient customer service. Other application capabilities include RF Test, Off-Cycle Read, and Data Log to capture 96 days of hourly historical consumption — addressing customer issues faster.

96
days of hourly historical consumption

Bring Your Own Device to Field Operations

Save money and time with Neptune 360 Mobile — use your utility's existing Android or iOS cell phones or tablet devices to perform meter reading. Pair with a Neptune R900® System belt clip transceiver or mobile data collector and expand your field device options when performing re-reads, reading monthly routes or even responding to high water bill complaints.

Neptune® 360™ Benefits

- Neptune-managed system with no installation required
- Cloud-based solution in a world-class data center with the highest level of security and disaster recovery/redundancy
- · 24/7 software system monitoring
- Retain data ownership in a system designed exclusively for water utilities
- Integrate and access Data Analytics across departments — helping your utility achieve goals and objectives
- Identify potential leaks, excessive consumption, and reverse flow to proactively resolve issues faster
- · Migrate easily from mobile to fixed network
- · Aid Non-Revenue Water reduction, conservation, and rate planning
- A single platform across devices that can be accessed anywhere at any time





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Support Customer Service and Water Conservation Efforts

Neptune® My360™ Consumer Portal



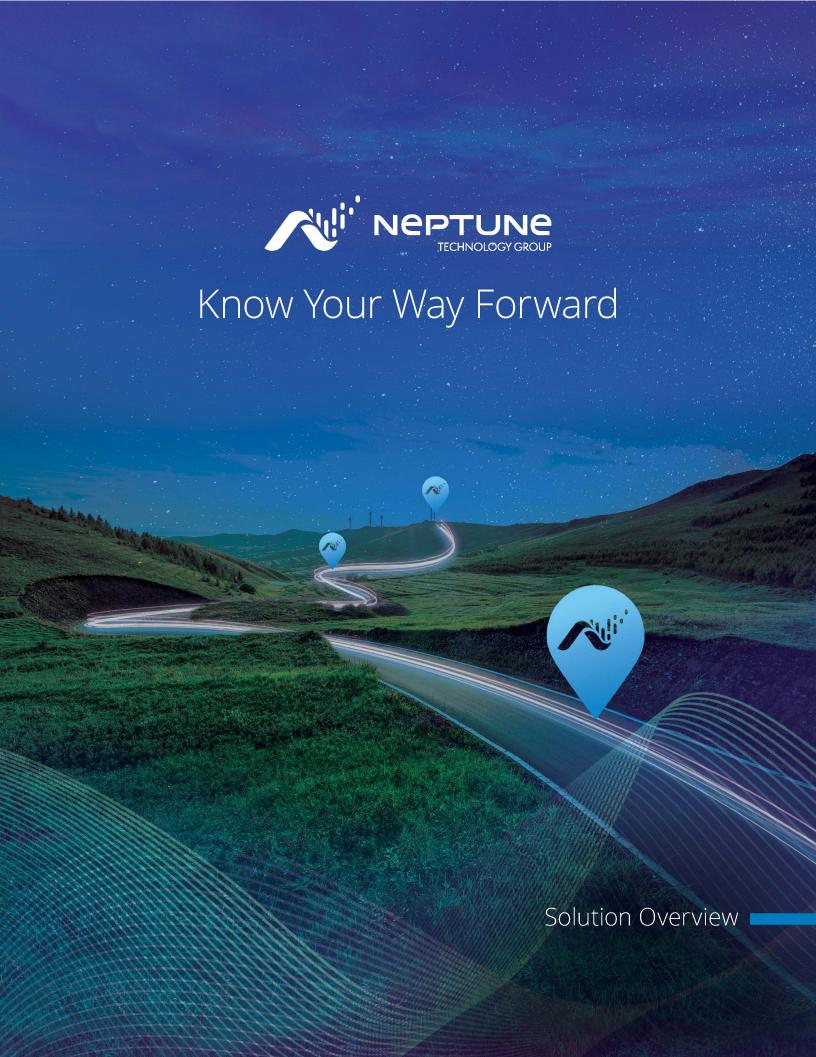
Enhance utility customer service and operational efficiency by providing consumers with a convenient, proactive way to monitor their own water consumption 24/7. Users no longer have to wait for a bill to detect possible issues, which means less water lost and fewer high bill complaints.

Users can set water thresholds and out-of-town alerts for greater peace of mind. And water conservation is encouraged when consumers can see how much they actually use with easy-to-read charts and graphs.

Neptune My360 is web-based to work on all devices and is always up-to-date. Get up and running quickly without the need for complex integrations.

- Easily customize to utility branding
- Visibility into consumer portal usage and adoption
- Self-service access to consumer data reduces customer calls and high bill complaints
- Responsive design works on desktop, laptop, tablet, and mobile devices
- Intuitive dashboard that highlights potential issues faster





Win Your Day with Technology Designed for the *Business of Water*.

At Neptune®, products aren't just products. We have a passion for delivering innovative, reliable solutions developed to address your most important priorities, timeframe, and budget. When you buy Neptune, you are assured a solution that is always forwards and backwards compatible with your other Neptune asset investments. Neptune will help you minimize cost, eliminate inefficient processes, and maximize revenue. Our products and services are "future proof", enabling you to build on rather than change out.

Striving to always be your *most valued partner*, we offer solutions tailored to you so that you can focus on the *critical work of water*.

Find the Right Solution for You



Intuitive, User-Friendly Software Your data, safe, and always available

The introduction of advanced technology to utilities has opened a flood gate of possibilities: from increasing efficiency and accuracy to time and cost savings. Software is the engine that drives this innovation and acts as the dashboard — keeping an eye on your water operations to ensure that they are running smoothly.

Neptune® 360™

Neptune® 360™ provides you with a single, easy-to-use, integrated solution no matter how you collect your data. Manage, share, and secure your data with cloud-based software designed exclusively for the business of water.

Neptune 360 gives you the ability to tailor your software to your utility with a platform that can grow with your needs, and without added IT infrastructure. Transition from a mobile metering system to fixed network with ease. Seamlessly integrate across departments, providing access to actionable data to optimize operational efficiency.

Neptune 360 provides ondemand access to your critical data, helping you quickly identify potential leaks, excessive consumption, and reverse flow — improving customer response time and enabling proactive and efficient issue identification and resolution. All data can be viewed in a single user interface for any read method.

Monitored 24/7 from a worldclass data center, Neptune 360 assures you of the highest level of security, redundancy, and disaster recovery protection for your data.

Neptune® 360™ Mobile

Neptune® 360™ Mobile provides direct communication to the office using standard wireless devices you already own, including smart phones and tablets. Get your data on demand just by opening a web browser. Check trends, sync data from the field, and answer customer questions with ease, without ever having to go into the office.





Neptune® 360™ Mobile

Data Collection That Works For You The flexibility to migrate at your own pace

There are many different avenues to collecting the data that drives the software, including walk by, drive by, or AMI. All of these share the same function – receiving information. Only Neptune allows you the flexibility to customize data collection to your individual criteria. One size definitely does not fit all. Neptune provides the flexibility to choose the right option, or hybrid of options, for you as your needs continue to change and grow.

The Neptune R900® System

Neptune's R900® System is comprised of data collectors, endpoints, and connectivity working together seamlessly to receive and transmit information about your system and ensure that your operations are running efficiently and effectively.

Neptune's R900 System endpoints eliminate the need for separate reading systems, site visits, endpoint reprogramming, or reconfiguration. Neptune endpoints greatly improve access to meter readings and help to proactively identify potential issues and resolve customer inquiries with detailed consumption information, as well as alerts for leaks or backflow. Mobile and fixed network messages are interleaved and continuously transmitted, allowing

you to maintain backup mobile-reading capability with the same endpoints. Gateways collect metering consumption data as well as daily leak, reverse flow, and days of no flow alerts from all communication-enabled meters and send it to a cloud-based server to optimize your fixed network.

Neptune will configure the right mix of products to achieve your goals, regardless of how you collect your data: AMR, AMI, or cellular.











The **mobile data collector** offers a portable meter reading option that fits in any vehicle to make Automatic Meter Reading (AMR) accurate and efficient. Data is available in real time, allowing you the ability to view and share consumption activity graphs on-site to address high bill complaints and other customer inquiries.

The **belt clip transceiver** offers multi-platform compatibility and accelerates data retrieval by eliminating meter access issues and reducing meter reading time.

Neptune's cellular solution offers you the flexibility to meet your business needs either as a last mile supplement, or for your full AMI deployment. Easily integrated into your existing R900 System, Neptune's cellular solution assures a reliable, highly secure, and easy-to-deploy AMI data solution to start collecting actionable meter data immediately.

If you choose to own or operate your own network, Neptune's proprietary AMI solution is flexible and tailored to each utility. Or, save time and money with a Network-as-a-Service (NaaS) solution that outsources the management and monitoring of your AMI infrastructure for the life of your project—including design, installation, and ongoing operations and maintenance. We facilitate deployment of a communication infrastructure that optimizes your AMI network performance with no operational burden and a design that can grow with your needs.

the right mix of
products to achieve
your needs, regardless
of how you collect
your data.



Neptune® Gateway



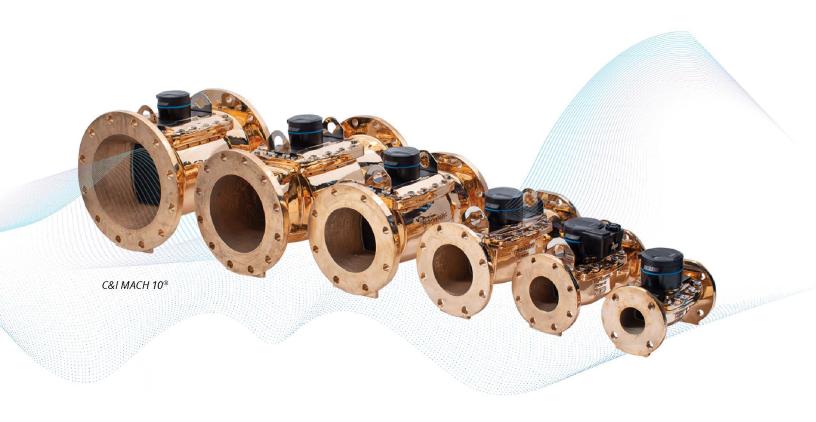


A Better Meter Matters

Accurate measurement tools to maximize revenue

The water meter is the critical source of the precise data collected to help you manage your water resources and take informed action. Neptune offers a full line of residential and commercial meters that provide you with the best source of measurement of the data that is crucial to keeping your operation running reliably and efficiently. Our meters are accurate, durable, and engineered to measure every drop, minimizing Non-Revenue Water and the need to frequently maintain or replace your meters.

Neptune offers different types of metering technologies so that you can select the right meter for your application.



MACH 10[®] Ultrasonic Water Meters

SIZES: ¾", ¾", 1", 1½", 2", 3", 4", 6", 8", 10", 12"

The MACH 10® features no moving parts that wear and tear over time, ensuring maintenancefree, sustained accuracy and performance over the life of the meter and maximum revenue generation from your metering program. Its high-resolution measurement allows you to accurately capture extremely low flow rates, while a rugged, lead free bronze maincase adds to its long-term performance. Save time and money while delivering superior accuracy, and unmatched sampling rates. The MACH 10 is also available with an integrated endpoint, which



eliminates the hassle of wiring and reliably delivers data to optimize system performance.

Ideal for potable, fire service and reclaim water applications, the MACH 10 meter line is highly versatile and allows for reduction in inventory and standardization on one reliable meter.

The C&I MACH 10® has the only solid state, field-replaceable Unitized Measuring Element (UME) that can be easily changed out at the end of its ten-year life for additional convenience and savings.



MACH 10®)R900i





T-10[®] Mechanical Meters *SIZES*: %", ¾", 1", 1½", 2"

The Neptune T-10® meter is time proven for dependability and provides a wide effective flow range for maximum revenue. Its proprietary polymer measuring chamber maximizes long-term accuracy, and the durable lead free bronze maincase is guaranteed for the life of the meter.

TRU/FLO® Compound Meters SIZES: 2" HP, 3;" 4", 6", 6" X 8"

The TRU/FLO® captures reads with technology specially designed for extremely wide flow rate applications. Combining low-flow sensitivity with high-flow capacity, the TRU/FLO ensures accurate measurement at all flow rates. For reading convenience, registers can be mounted in any one of four positions on the meter.



High Performance (HP) Turbine Meters

SIZES: 11/2", 2", 3", 4", 6", 8", 10"

The Neptune HP Turbine water meter exceeds industry standards for performance and accuracy with the widest flow ranges of any turbine meter on the market. The rugged, lead free, high-copper alloy maincase is corrosion-resistant, lightweight, and compact, and offers the flexibility of adaptability for both present and future systems.



Neptune offers different types of metering technologies so that you can select the right meter for your application.

High Performance (HP) Fire Service Turbine Stainless Steel (S) Meters

SIZES: 3", 4", 6", 8", 10"

The Neptune® HP Fire Service S meter is designed to measure both domestic and fire service usage where flow rates are moderate to high. Exceeding continuous flow rate industry standards, it offers some of the widest flow ranges of any fire service turbine meter on the market.

HP PROTECTUS® III Stainless Steel (S) Fire Service Meters

SIZES: 4," 6", 8", 10"

Neptune's HP PROTECTUS® III S
Fire Service water meter is the
industry standard for combined fire
service/drinking water applications,
measuring extremely wide flow
ranges. Designed to measure both
domestic and fire service water
usage through a single water line,
the HP PROTECTUS® III S accurately
and reliably registers leaks and
unauthorized use from fire
service lines.



Neptune 1 1/2 Neptune 1 1/2 Callons (GPH) E-Coder 8

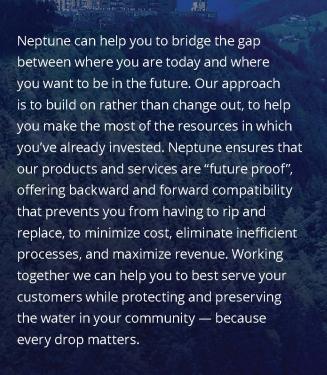
E-CODER® and T-10® Meter

Registers

Neptune registers provide reliable, accurate meter reading, advanced customer consumption data, and priority alarms for continuous leaks, tamper, and reverse flow events. Neptune registers help you increase efficiency by providing detailed data to help you improve customer service outcomes.

Choose between standalone registers or those integrated with endpoints to provide two-way communications of your advanced metering data. Simultaneous mobile and fixed reading capabilities facilitate migration from mobile to fixed network reading without site visits or reprogramming. Neptune gives you the flexibility to combine the right register with the right meter for your needs.





Being your leading partner in water metering tools, technology, and connectivity, we will guide the way forward and connect you to what's next in water.



#winyourday



neptunetg.com

Neptune Technology Group

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Neptune Technology Group (Canada) Ltd.

7275 West Credit Avenue Mississauga, Ontario L5N 5M9 Canada Tel: 905-858-4211 Fax: 905-858-0428

Neptune Technology Group Inc.

Avenida Ejercito Nacional No 418 Piso 12, Despacho 1203 Colonia Polanco V Sección C.P. 11560 Delegación, Miguel Hidalgo Mexico D.F. Tel: (55) 5203-5708, (55) 5203-4032,

(55) 5203-5294

#winyourday





Cellular Endpoint

1. WARRANTY FFFFCTIVE DATE

This warranty will be effective for any cellular endpoint that is shipped on or after June 1, 2021. Each warranty referenced in this statement begins at the later of (i) the date of original purchase from Neptune or (ii) the date of original shipment from a Neptune-authorized distributor of water meters (that later date is referred to as "the Date of Shipment").

2. CELLULAR ENDPOINT

Neptune Technology Group Inc. warrants that the cellular endpoint (which includes a Neptune-supplied battery that is not intended to be removable or replaceable) shall be free from defects in manufacture and design for a period of twenty (20) years from the "Date of Shipment" (such period being the "Warranty Period"). Neptune shall not be responsible for any defects in the cellular endpoint (whether due to design, materials, manufacture, or otherwise) which manifest themselves after the expiration of the Warranty Period. Neptune will repair or replace a non-performing cellular endpoint free of charge for the first ten (10) years, and at the then-current list price during the remaining ten (10) years according to the discount schedule at the right. Replacement cellular endpoints are warranted for the balance of the original applicable cellular endpoint warranty.

3. WARRANTIES ARE INAPPLICABLE UNDER CERTAIN CONDITIONS

This warranty does not include field replacement labor or materials costs, which are the responsibility of the utility. This warranty does not apply if product is placed in non-recommended installations; may have been repaired with parts not recommended by Neptune; converted, altered, or connected by other than Neptune recommended procedures; is used with other than genuine Neptune meter registers and components or read by equipment not approved or licensed by Neptune; or damaged due to improper

Year of Failure	Cellular Endpoint	
	Replacement Price Discount*	
1-10	Full replacement: 100%	
11	70%	
12	70%	
13	60%	
14	60%	
15	50%	
16	45%	
17	40%	
18	35%	
19	30%	
20	25%	

^{*} Replacement price discount percentages will be applied towards the thencurrent list price in effect for the year product is accepted by Neptune under warranty conditions. Replacement endpoints are warranted for one (1) year after date of shipment or balance of original endpoint warranty, whichever is greater.

care or maintenance, or improper periodic testing (please refer to the Cellular Endpoint Installation and Maintenance Guide). This warranty does not apply to any cellular endpoint that has been damaged by, or subjected to, conditions which, in the opinion of Neptune, have affected the cellular endpoint's ability of performance, including but not limited to: misuse; improper handling; application or installation; excessive operating conditions; tampering or unauthorized repairs and modifications; accidental or intentional damage; or acts of God. In no event shall Neptune be liable for special, incidental, indirect, or consequential damages, including, without limitation, lost revenue. Neptune contracts with third parties to provide cellular data service, as available, to and for the cellular endpoint.

CUSTOMER ACKNOWLEDGES THAT CELLULAR DATA SERVICE IS MADE AVAILABLE ONLY WITHIN THE OPERATING RANGE OF THE NETWORKS. SERVICE MAY BE TEMPORARILY REFUSED, INTERRUPTED, OR LIMITED BECAUSE OF: (A) FACILITIES LIMITATIONS; (B) TRANSMISSION LIMITATIONS CAUSED BY ATMOSPHERIC, TERRAIN, OTHER NATURAL OR ARTIFICIAL CONDITIONS ADVERSELY AFFECTING TRANSMISSION, WEAK BATTERIES, SYSTEM OVERCAPACITY, MOVEMENT OUTSIDE A SERVICE AREA OR GAPS IN COVERAGE IN A SERVICE AREA AND OTHER CAUSES REASONABLY OUTSIDE OF A CELLULAR DATA PROVIDER'S CONTROL SUCH AS, BUT NOT LIMITED TO, INTENTIONAL OR NEGLIGENT ACTS OF THIRD PARTIES THAT DAMAGE OR IMPAIR THE NETWORK OR DISRUPT SERVICE; OR (C) EQUIPMENT MODIFICATIONS, UPGRADES, RELOCATIONS. REPAIRS, AND OTHER SIMILAR ACTIVITIES NECESSARY FOR THE PROPER OR IMPROVED OPERATION OF SERVICE.



CUSTOMER ACKNOWLEDGES THAT CELLULAR DATA SERVICE MAY BE PROVIDED FROM A PROVIDER'S CARRIER PARTNER(S). CARRIER PARTNER NETWORKS ARE MADE AVAILABLE AS-IS AND THE CELLULAR DATA SERVICE PROVIDER MAKES NO WARRANTIES OR REPRESENTATIONS AS TO THE AVAILABILITY OR QUALITY OF ROAMING SERVICE PROVIDED BY CARRIER PARTNERS, AND THE CELLULAR DATA SERVICE PROVIDER WILL NOT BE LIABLE IN ANY CAPACITY FOR ANY ERRORS, OUTAGES, OR FAILURES OF CARRIER PARTNER NETWORKS.

CUSTOMER UNDERSTANDS AND AGREES THAT IT: (1) HAS NO CONTRACTUAL RELATIONSHIP WITH THE UNDERLYING CELLULAR DATA PROVIDER; (2) IS NOT A THIRD-PARTY BENEFICIARY OF ANY AGREEMENT BETWEEN NEPTUNE AND THE UNDERLYING CELLULAR DATA PROVIDER; (3) THAT THE UNDERLYING CELLULAR DATA PROVIDER HAS NO LIABILITY OF ANY KIND TO CUSTOMER, WHETHER FOR BREACH OF CONTRACT, WARRANTY, NEGLIGENCE, STRICT LIABILITY IN TORT OR OTHERWISE; AND (4) THAT DATA TRANSMISSIONS AND MESSAGES MAY BE DELAYED. DELETED OR NOT DELIVERED. AND NO EMERGENCY CALL CAPABILITY EXISTS.

THE ABOVE WARRANTY FOR THE CELLULAR ENDPOINT IS THE SOLE AND EXCLUSIVE WARRANTY GIVEN BY NEPTUNE WITH RESPECT TO THE CELLULAR ENDPOINT. ALL OTHER WARRANTIES, CONDITIONS, TERMS, REPRESENTATIONS, OR OTHER LEGALLY OPERATIVE PROVISIONS CONCERNING THE CELLULAR ENDPOINT ARE HEREBY EXPRESSLY EXCLUDED, INCLUDING, WITHOUT LIMITATION, ANY WARRANTY, CONDITION, TERM, AND REPRESENTATION OR OTHER LEGALLY OPERATIVE PROVISION AS TO MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. THIS PARAGRAPH IS EXPRESSLY INTENDED TO EXCLUDE FROM THIS CONTRACT ALL STATUTORY AND COMMON LAW WARRANTIES TO THE MAXIMUM EXTENT PERMITTED BY LAW. TO AVOID ANY AMBIGUITY OR MISUNDERSTANDING, ALL PROBLEMS ARISING WITH A CELLULAR ENDPOINT AFTER THIS POINT ARE BUYER'S RESPONSIBILITY. NEPTUNE'S LIABILITY SHALL IN NO EVENT EXCEED THE PURCHASE PRICE OF THE CELLULAR ENDPOINT. NEPTUNE SHALL NOT BE SUBJECT TO AND DISCLAIMS THE FOLLOWING: (1) ANY OTHER OBLIGATIONS OR LIABILITIES ARISING OUT OF BREACH OF CONTRACT OR OF WARRANTY, (2) ANY OBLIGATIONS WHATSOEVER ARISING FROM TORT CLAIMS (INCLUDING NEGLIGENCE AND STRICT LIABILITY) OR ARISING UNDER OTHER THEORIES OF LAW WITH RESPECT TO PRODUCTS SOLD OR SERVICES RENDERED BY NEPTUNE, OR ANY UNDERTAKINGS, ACTS, OR OMISSIONS RELATING THERETO, AND (3) ALL CONSEQUENTIAL INCIDENTAL SPECIAL MULTIPLE. EXEMPLARY, AND PUNITIVE DAMAGES WHATSOEVER.



5/8" to 2" MACH 10® Ultrasonic Meter

1. TERMS OF LIMITED WARRANTY

With respect to its Neptune® MACH 10® water meter ("MACH 10"), Neptune Technology Group Inc. ("Neptune") warrants that for meters sold on or after August 1, 2021, for potable water or combined potable water and residential fire service applications, the MACH 10 meter will be warranted to be free from manufacturing defects in workmanship and material as follows:

The MACH 10 will be, at the later of (i) the date of original purchase from Neptune or (ii) the date of original shipment from a Neptune-authorized distributor of water meters (that later date is referred to as "the Date of Shipment"), and will remain for a period of 18 months from the Date of Shipment, or 12 months from date of installation, whichever comes first, free from manufacturing defects in workmanship and material. Neptune makes the following additional warranties with respect to certain MACH 10 components, dependent upon the size of meter:

a) Lead Free Bronze Maincase

i) 5/8" - 1" MACH 10

Neptune warrants that the MACH 10 lead free bronze maincase will be free from manufacturing defects in workmanship and material for twenty (20) years from the Date of Shipment.

Replacement Price Discount					
Year of Failure	5/8" to 1"	1.5" to 2"			
	MACH 10®	MACH 10®			
1-10	Full replacement 100%	Full replacement 100%			
11	70%	n/a			
12	70%	n/a			
13	60%	n/a			
14	60%	n/a			
15	50%	50% n/a			
16	45%	n/a			
17	40%	n/a			
18	35%	n/a			
19	30%	n/a			
20	25%	n/a			

*Replacement price discount percentages will be applied towards the then-current list price in effect for the year product is accepted by Neptune under warranty conditions. Replacement MACH 10 electronics are warranted for one (1) year after date of shipment or balance of original MACH 10 warranty, whichever is greater.

ii) 1½" - 2" MACH 10

Neptune warrants that the MACH 10 lead free bronze maincase will be free from manufacturing defects in workmanship and material for ten (10) years from the Date of Shipment.

b) Electronics (Battery, PCB, Transducers, LCD)

i) 5/8" - 1" MACH 10

Neptune warrants that the electronics of the MACH 10 will be free from manufacturing defects in workmanship and material for a period of twenty (20) years from the Date of Shipment. Neptune will repair or replace a non-performing MACH 10 free of charge for the first ten (10) years and at a discount of the then-current list price during the following ten (10) years per the schedule at the right. The MACH 10 warranty does not include the external housing that encapsulates the electronics.

ii) 1½" - 2" MACH 10

Neptune warrants the electronics of the MACH 10 will be free from manufacturing defects in workmanship and material for a period of ten (10) years from the Date of Shipment. Neptune will repair or replace a non-performing MACH 10 free of charge during the ten (10) year Warranty Period. The MACH 10 warranty does not include the external housing that encapsulates the electronics.

With respect to Section 1 and subparts a) and b), the period from the Date of Shipment to the expiration of the specified time period is the "Warranty Period" with respect to each specified component. Neptune shall not be responsible for any defects in the MACH 10 or any specified component (whether due to design, materials, manufacture, or otherwise) that manifest themselves after the expiration of the specified Warranty Period.

2. MACH 10 METER ACCURACY

Provided that the MACH 10 meter and the components specified in Section 1 and subparts a) and b) are functioning properly (regardless of whether the MACH 10 meter and specified components are within or outside an applicable Warranty Period), Neptune makes the following warranties with respect to meter accuracy, dependent upon the size of meter:

i) 5/8" - 1" MACH 10

Neptune MACH 10 meters are warranted to meet or exceed meter accuracy of $\pm 1.5\%$ for the published ranges set forth in Neptune's current product sheet in existence at the time of the Date of Shipment of the MACH 10 meter for twenty (20) years from Date of Shipment. Neptune further warrants the MACH 10 to meet or exceed extended low flow accuracy of $\pm 3\%$ for the published ranges set forth in Neptune's current product sheet in existence at the time of the Date of Shipment of the MACH 10 meter for twenty (20) years from Date of Shipment.

ii) 11/2" - 2" MACH 10

Neptune MACH 10 meters are warranted to meet or exceed meter accuracy of ±1.5% for the published ranges set forth in Neptune's current product sheet in existence at the time of the Date of Shipment of the MACH 10 meter for ten (10) years from date of shipment. Neptune further warrants the MACH 10 to meet or exceed extended low flow accuracy of ±3% for the published ranges set forth in Neptune's current product sheet in existence at the time of the Date of Shipment of the MACH 10 meter for ten (10) years from Date of Shipment.

3. WARRANTY RETURNS

If a Neptune MACH 10 meter fails an accuracy test during an applicable Warranty Period, it may be returned to Neptune for evaluation. Any MACH 10 meter proved to the satisfaction of Neptune to have failed the warranties set forth in this Certificate of Warranty will, at the option of Neptune, be repaired or replaced at no cost to the customer. An accuracy test shall be conducted by the customer according to then-current AWWA testing standards. Any meter being returned for repair to Neptune under this performance warranty must be returned with a copy of the customer's test results. If the meter is returned to Neptune without a copy of the test results or if Neptune's factory test shows the meter to meet Neptune's published accuracy specifications, then the customer will be charged a nominal testing fee by Neptune in such cases. If after the meter has been tested by Neptune, Neptune determines that the meter has failed the warranties set forth in this Certificate of Warranty, then Neptune will repair or replace the meter at Neptune's option. Repaired or replacement MACH 10 meters are warranted for one (1) year after Date of Shipment of the repaired or replacement MACH 10 meter or the balance of the original MACH 10 meter warranty, whichever is greater.

4. RESPONSIBILITY LIMITED TO COSTS OF REPLACEMENT AND REPAIR

If the MACH 10 fails to meet the warranties set forth in Sections 1 and 2 of this Certificate of Warranty, then Neptune, at its option shall repair or replace the MACH 10 or part thereof, provided that (a) the MACH 10 is delivered to a Neptune representative, (b) the MACH 10 is accompanied by a Return Material Authorization (RMA), and (c) all costs of delivery to Neptune are assumed by the purchaser of the MACH 10. Neptune's liability is limited to its costs of replacement and repair of the non-performing MACH 10, and without limitation, this warranty does not include field replacement, labor, or materials costs, which are the responsibility of the customer. Damages resulting from miscalculation of water usage or lost revenue or profit are not recoverable from Neptune. It is the responsibility of the customer to periodically verify the operation and accuracy of its meters.

5. WARRANTIES ARE INAPPLICABLE UNDER CERTAIN CONDITIONS

The warranties set forth in this Certificate of Warranty do not apply to any MACH 10 meter that has been damaged by, or subjected to, conditions which, in the opinion of Neptune, have affected the ability of the MACH 10 to perform, including but not limited to: misuse; improper handling, application or installation; excessive operating conditions; foreign materials in the water; aggressive water conditions; tampering or unauthorized repairs or modifications; accidental or intentional damage; or acts of God. This Certificate of Warranty shall not apply if the product is placed in a non-recommended installation, is connected or altered by other than Neptune recommended procedures or is read by equipment not approved or licensed by Neptune. Neptune makes no claims concerning operability and/or compatibility or third-party reading systems. In addition, this Certificate of Warranty shall not apply if third-party reading equipment is believed to have caused damage to the MACH 10. In order to determine its liability, if any, under this Certificate of Warranty, Neptune shall have the right to inspect any MACH 10 meter or part thereof that is claimed to be defective at Neptune or other location designated by Neptune.

THE ABOVE WARRANTY FOR THE MACH 10 WATER METER IS THE SOLE AND EXCLUSIVE WARRANTY GIVEN BY NEPTUNE WITH RESPECT TO THE MACH 10. ALL OTHER WARRANTIES, CONDITIONS, TERMS, REPRESENTATIONS, OR OTHER LEGALLY OPERATIVE PROVISIONS CONCERNING THE MACH 10 ARE HEREBY EXPRESSLY EXCLUDED, INCLUDING, WITHOUT LIMITATION, ANY WARRANTY, CONDITION, TERM, AND REPRESENTATION OR OTHER LEGALLY OPERATIVE PROVISION AS TO MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. THIS PARAGRAPH IS EXPRESSLY INTENDED TO EXCLUDE FROM THIS CONTRACT ALL STATUTORY AND COMMON LAW WARRANTIES TO THE MAXIMUM EXTENT PERMITTED BY LAW. TO AVOID ANY AMBIGUITY OR MISUNDERSTANDING, ALL PROBLEMS ARISING WITH A MACH 10 WATER METER AFTER THIS POINT SHALL BE BUYER'S RESPONSIBILITY. NEPTUNE'S LIABILITY SHALL IN NO EVENT EXCEED THE PURCHASE PRICE OF THE MACH 10 WATER METER. NEPTUNE SHALL NOT BE SUBJECT TO AND DISCLAIMS THE FOLLOWING: (1) ANY OTHER OBLIGATIONS OR LIABILITIES ARISING OUT OF BREACH OF CONTRACT OR OF WARRANTY, (2) ANY OBLIGATIONS WHATSOEVER ARISING FROM TORT CLAIMS (INCLUDING NEGLIGENCE AND STRICT LIABILITY) OR ARISING UNDER OTHER THEORIES OF LAW WITH RESPECT TO PRODUCTS SOLD OR SERVICES RENDERED BY NEPTUNE, OR ANY UNDERTAKINGS, ACTS, OR OMISSIONS RELATING THERETO, AND (3) ALL CONSEQUENTIAL, INCIDENTAL, SPECIAL, MULTIPLE, EXEMPLARY, AND PUNITIVE DAMAGES WHATSOEVER.





3" to 12" MACH 10[®] Ultrasonic Meter

1. TERMS OF LIMITED WARRANTY

With respect to its Commercial and Industrial Neptune® MACH 10® water meter ("MACH 10"), Neptune Technology Group Inc. ("Neptune") warrants that MACH 10 meters sold on or after August 1, 2021, for potable water or combined potable water and fire service applications, will be warranted to be free from manufacturing defects in workmanship and material as follows:

The MACH 10 will be, at the later of (i) the date of original purchase from Neptune or (ii) the date of original shipment from a Neptune-authorized distributor of water meters (that later date is referred to as "the Date of Shipment"), and will remain for a period of 18 months from the Date of Shipment, or 12 months from date of installation, whichever comes first, free from manufacturing defects in workmanship and material. Neptune makes the following additional warranties with respect to certain MACH 10 components.

a) Lead Free Bronze Maincase

Neptune warrants at the Date of Shipment that the lead free, high copper bronze maincase of the MACH 10 will be free from manufacturing defects in workmanship and material for the life of the meter.

b) Electronics (Battery, PCB, Transducers, LCD)

Neptune warrants that the unitized measuring element (UME) and/or electronics of the MACH 10 will be free from manufacturing defects in workmanship and material for a period of ten (10) years from the Date of Shipment. Neptune will repair or replace a non-performing MACH 10 UME free of charge for the first five (5) years and at a discount of the then-current list price, during the following five (5) years per the schedule to the right. The MACH 10 warranty does not include the external housing that encapsulates the electronics.

Year of Failure	MACH 10 [®]	
	Replacement Price Discount*	
1-5	Full replacement 100%	
6	70%	
7	60%	
8	45%	
9	35%	
10	25%	

^{*} Replacement price discount percentages will be applied towards the then-current list price in effect for the year product is accepted by Neptune under warranty conditions. Replacement MACH 10 electronics are warranted for one (1) year after date of shipment or balance of original MACH 10 warranty, whichever is areater.

With respect to Section 1 and subparts a) and b), the period from the Date of Shipment to the expiration of the specified time period is the "Warranty Period" with respect to each specified component. Neptune shall not be responsible for any defects in the MACH 10 or any specified component (whether due to design, materials, manufacture, or otherwise) that manifest themselves after the expiration of the specified Warranty Period.

2. MACH 10 METER ACCURACY WARRANTY

Provided that the MACH 10 meter and the components specified in Section 1 and subparts a) and b) are functioning properly (regardless of whether the MACH 10 meter and specified components are within or outside an applicable Warranty Period detailed above), Neptune makes the following warranties with respect to meter accuracy:

Neptune MACH 10 meters are warranted to meet or exceed new meter accuracy per AWWA specifications of $\pm 1.5\%$ for the published ranges set forth in Neptune's current product sheet in existence at the time of the Date of Shipment of the MACH 10 meter for ten (10) years from Date of Shipment. Neptune further warrants the MACH 10 to meet or exceed extended low flow accuracy of $\pm 3\%$ for the published ranges set forth in Neptune's current product sheet in existence at the time of the Date of Shipment of the MACH 10 meter for ten (10) years from Date of Shipment (that period being the "Accuracy Warranty Period").

3. WARRANTY RETURNS

If a Neptune MACH 10 meter fails an accuracy test during the Accuracy Warranty Period, the meter or UME may be returned to Neptune for evaluation. An accuracy test shall be conducted by the customer according to then-current AWWA testing standards. Any meter being returned for repair to Neptune under the accuracy warranty must be returned with a copy of the customer's test results. If the meter is returned to Neptune without a copy of the test results or if Neptune's factory test shows the meter to meet Neptune's published accuracy specifications, then the customer will be charged a nominal testing fee by Neptune in such cases. If after the meter has been tested by Neptune, Neptune determines that the meter has failed the accuracy warranty set forth in this Certificate of Warranty, then Neptune will repair or replace the meter at Neptune's option. Repaired MACH 10 meters are warranted for one (1) year after Date of Shipment of the repaired MACH 10 meter or the balance of the applicable original MACH 10 meter warranty (maincase, UME/electronics, or accuracy), whichever is greater.

If a replacement UME is deemed necessary, the new UME will include a new original warranty as specified in Sections 1 and 2 of this Certificate of Warranty.

4. RESPONSIBILITY LIMITED TO COSTS OF REPLACEMENT AND REPAIR

If the MACH 10 fails to meet the warranties set forth in Sections 1 and 2 of this Certificate of Warranty, then Neptune, at its option shall repair or replace the MACH 10 or part thereof, provided that (a) the MACH 10 is delivered to a Neptune representative, (b) the MACH 10 is accompanied by a Return Material Authorization (RMA), and (c) all costs of delivery to Neptune are assumed by the purchaser of the MACH 10. Neptune's liability is limited to its costs of replacement and repair of the non-performing MACH 10, and without limitation, this warranty does not include field replacement, labor, or materials costs, which are the responsibility of the customer. Damages resulting from miscalculation of water usage or lost revenue or profit are not recoverable from Neptune. It is the responsibility of the customer to periodically verify the operation and accuracy of its meters.

5. WARRANTIES ARE INAPPLICABLE UNDER CERTAIN CONDITIONS

The warranties set forth in this Certificate of Warranty do not apply to any MACH 10 meter that has been damaged by, or subjected to, conditions which, in the opinion of Neptune, have affected the ability of the MACH 10 to perform, including but not limited to: misuse; improper handling, application or installation; excessive operating conditions; foreign materials in the water; aggressive water conditions; tampering or unauthorized repairs or modifications; accidental or intentional damage; or acts of God. This Certificate of Warranty shall not apply if the product is placed in a non-recommended installation, is connected or altered by other than Neptune recommended procedures or is read by equipment not approved or licensed by Neptune. Neptune makes no claims concerning operability and/or compatibility or third-party reading systems. In addition, this Certificate of Warranty shall not apply if third-party reading equipment is believed to have caused damage to the MACH 10. In order to determine its liability, if any, under this Certificate of Warranty, Neptune shall have the right to inspect any MACH 10 meter or part thereof that is claimed to be defective at Neptune or other location designated by Neptune.

THE ABOVE WARRANTY FOR THE MACH 10 WATER METER IS THE SOLE AND EXCLUSIVE WARRANTY GIVEN BY NEPTUNE WITH RESPECT TO THE MACH 10. ALL OTHER WARRANTIES, CONDITIONS, TERMS, REPRESENTATIONS, OR OTHER LEGALLY OPERATIVE PROVISIONS CONCERNING THE MACH 10 ARE HERBY EXPRESSLY EXCLUDED, INCLUDING, WITHOUT LIMITATION, ANY WARRANTY, CONDITION, TERM, AND REPRESENTATION OR OTHER LEGALLY OPERATIVE PROVISION AS TO MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. THIS PARAGRAPH IS EXPRESSLY INTENDED TO EXCLUDE FROM THIS CONTRACT ALL STATUTORY AND COMMON LAW WARRANTIES TO THE MAXIMUM EXTENT PERMITTED BY LAW. TO AVOID ANY AMBIGUITY OR MISUNDERSTANDING, ALL PROBLEMS ARISING WITH A MACH 10 WATER METER AFTER THIS POINT SHALL BE BUYER'S RESPONSIBILITY. NEPTUNE'S LIABILITY SHALL IN NO EVENT EXCEED THE PURCHASE PRICE OF THE MACH 10 WATER METER. NEPTUNE SHALL NOT BE SUBJECT TO AND DISCLAIMS THE FOLLOWING: (1) ANY OTHER OBLIGATIONS OR LIABILITIES ARISING OUT OF BREACH OF CONTRACT OR OF WARRANTY, (2) ANY OBLIGATIONS WHATSOEVER ARISING FROM TORT CLAIMS (INCLUDING NEGLIGENCE AND STRICT LIABILITY) OR ARISING UNDER OTHER THEORIES OF LAW WITH RESPECT TO PRODUCTS SOLD OR SERVICES RENDERED BY NEPTUNE, OR ANY UNDERTAKINGS, ACTS, OR OMISSIONS RELATING THERETO, AND (3) ALL CONSEQUENTIAL, INCIDENTAL, SPECIAL, MULTIPLE, EXEMPLARY, AND PUNITIVE DAMAGES WHATSOEVER.

Neptune T-10, HP Turbine, TRU/FLO® Compound Cold Water Meters Warranty



1. Terms of Limited Warranty.

With respect to its Neptune T-10, HP TURBINE, TRU/FL0 © Compound Water Meters (collectively the "Water Meters"), Neptune Technology Group Inc. ("Neptune") warrants the following on meters sold on or after 11/1/92:

The Water Meters will be, at the later of (i) the date of original purchase from Neptune or (ii) the date of original shipment from Neptune-authorized distributor of Water Meters (that later date is referred to as "the Date of Shipment") and will remain for a period of eighteen (18) months from the Date of Shipment, or twelve (12) months from date of installation, whichever comes first, free from manufacturing defects in workmanship and material.

- (a) Maincase. The no-lead high copper alloy or Brass maincase of the Water Meters will be at the Date of Shipment free from manufacturing defects in workmanship and material for the life of the Water Meter
- (b) Frost Protection. All Neptune T-10 Cold Water Meters shipped with a synthetic polymer or cast iron bottom cap will, commencing upon the Date of Shipment, be warranted against chamber damage for a period of ten (10) years.
- (c) Registers. Standard, roll sealed registers of the Water Meters will be at the Date of Shipment, and shall remain for the following periods, free from manufacturing defects in workmanship and material for a period of ten (10) years. The ARB®, ProRead™ (ARB VI), and E-Coder® (ARB VII) system registers are warranted for ten (10) years from Date of Shipment. All ProRead encoder receptacles shipped after January 1, 2001 shall be warranted for five years from the Date of Shipment. All other components and parts are covered under Neptune's standard one-year material and workmanship guarantee.
- (d) Meter Accuracy for Neptune T-10. Neptune T-10 Meters and Neptune T-10 nutating disc chambers in TRU/FLO Compound Water Meters are warranted to meet or exceed, as listed herein, accuracy standards of the AWWA Standard C700-95 for a period of: (i) five (5) years from Date of Shipment for 5/8", 3/4" and 1" meters; (ii) for a period of two (2) years from the Date of Shipment for 1 1/2" and 2" meters; or (iii) the applicable registration shown below, whichever occurs first. Neptune further guarantees that the Neptune T-10 and Neptune T-10 nutating disc chambers in TRU/FLO Compound Water Meters will perform to at least Repaired Meter Accuracy Standards, according to AWWA Manual M-6 Chapter 5 (1999) Table 5.3 for an additional ten (10) years or the registration shown below, whichever occurs first.
- (e) Meter Accuracy for HP Turbine and TRU/FLO. The HP Turbine and TRU/FLO Compound Cold Water Meters will perform, for a period of one (1) year from the Date of Shipment, to American Water Works Association ("AWWA") accuracy standards for new water meters.

SIZE	EXTENDED LOW FLOW ACCURACY	NEW METER ACCURACY	REPAIRED METER ACCURACY
% & %"x ¾"	% US gpm @ 95% 5 years or 500,000 gallons	500,000 gallons	1,500,000 gallons
3/4"	¼ US gpm @ 95% 5 years or 750,000 gallons	750,000 gallons	2,250,000 gallons
1"	% US gpm @ 95% 5 years or 1,000,000 gallons	1,000,000 gallons	3,000,000 gallons
1 ½"	% US gpm @ 95% 2 years or 1,600,000 gallons	1,600,000 gallons	5,000,000 gallons
2"	1 US gpm @ 95% 2 years or 2,700,000 gallons	2,700,000 gallons	8,000,000 gallons





2. Warranty Return.

If a Neptune Water Meter fails an accuracy test during an applicable warranty period, it may be returned to Neptune for repair or replacement at Neptune's option. An accuracy test shall be conducted by the customer according to AWWA standards. Any meter being returned for repair to Neptune under this performance guarantee must be returned with a copy of the customer's test results. If the meter is returned to Neptune without a copy of the test results or if Neptune's factory test shows the meter to meet current AWWA standards, the customer will be charged a nominal testing fee by Neptune in such cases. Neptune will repair or replace the meter at Neptune's option after the meter has been tested by Neptune. Meters repaired or replaced under the performance quarantee will be quaranteed to perform to AWWA repaired meter accuracy standards.

3. Warranties are exclusive.

The warranties set forth in this certificate of warranty are in lieu of any other warranty, guarantee, or representation, whether expressed or implied, including without limitation, the warranty of merchantability and the warranty of fitness for a particular purpose.

4. Damages limited to costs of replacement and repair.

If the Water Meter fails to meet the warranties set forth in Paragraph 1 of this Certificate of Warranty, Neptune, at its option shall, without charge of labor or materials, repair or replace the Water Meter or part thereof, provided that (a) the Water Meter is delivered to a Neptune representative, (b) the Water Meter is accompanied by a Return Material Authorization (RMA), and (c) all costs of delivery to Neptune are assumed by the purchaser of the Water Meter. Neptune's liability is limited to its costs of replacement and repair of the defective water meter. Damages resulting from miscalculation of water usage or lost revenue or profit are not recoverable from Neptune. It is the responsibility of the customer to periodically verify the operation and accuracy of its meters.

5. Warranties are inapplicable under certain conditions.

The warranties set forth in this Certificate of Warranty do not apply to any Water Meter that has been damaged by, or subjected to, conditions which, in the opinion of Neptune, have affected the Water Meter's ability of performance, including but not limited to: misuse; improper handling, application or installation; excessive operating conditions; foreign materials in the water; aggressive water conditions; tampering or unauthorized repairs or modifications; accidental or intentional damage; acts of God. This Certificate of Warranty shall not apply if product is placed in non-recommended installation, is connected or altered by other than Neptune recommended procedures, is used with other than genuine Neptune meter registers and components, or read by equipment not approved or licensed by Neptune. Neptune makes no claims concerning operability and/or compatibility or third party reading systems. In addition, this Certificate of Warranty shall not apply if third party reading equipment is believed to have caused damage to the meter or register. In order to determine its liability, if any, under this Certificate of Warranty, Neptune shall have the right to inspect any Water Meter or part thereof that is claimed to be defective at Neptune or other location designated by Neptune.

NEPTUNE'S LIABILITY WITH RESPECT TO BREACHES OF THE FOREGOING LIMITED WARRANTY SHALL BE LIMITED AS STATED HEREIN. NEPTUNE'S LIABILITY SHALL IN NO EVENT EXCEED THE PURCHASE PRICE. NEPTUNE SHALL NOT BE SUBJECT TO AND DISCLAIMS THE FOLLOWING: (1) ANY OTHER OBLIGATIONS OR LIABILITIES ARISING OUT OF BREACH OF CONTRACT OR OF WARRANTY (2) ANY OBLIGATIONS WHATSOEVER ARISING FROM TORT CLAIMS (INCLUDING NEGLIGENCE AND STRICT LIABILITY) OR ARISING UNDER OTHER THEORIES OF LAW WITH RESPECT TO PRODUCTS SOLD OR SERVICES RENDERED BY NEPTUNE, OR ANY UNDERTAKINGS, ACT OR OMISSIONS RELATING THERETO, AND (3) ALL CONSEQUENTIAL, INCIDENTAL, SPECIAL, MULTIPLE, EXEMPLARY, AND PUNITIVE DAMAGES WHATSOEVER.







BACKGROUND AND QUALIFICATIONS

FERGUSON WATERWORKS - BACKGROUND AND QUALIFICATIONS



Largest Distributor

Offering Customizable Solutions



33,000+

Associates



\$29.7 Billion

Annual sales in FY 2023



1,700+

Locations



Over 1 Million
Customers Worldwide



70

Years of Operation



Publicly Traded Listed on NYSE & LSE



37,000Suppliers

Ferguson is a leading value-added distributor in North America, providing expertise, solutions, and products from infrastructure, plumbing, and appliances to HVAC (heating, ventilation, and air conditioning), fire, fabrication, and more. Our more than 1,700 final-mile locations are within 60 miles of 95% of the North American population, and we build long-term relationships with our customers by providing a valuable experience – in our branches and online – rooted in exceptional service. **Since 1953**, Ferguson has been a source of quality supplies for a variety of industries, each working together to help build better infrastructure, better homes, and better businesses.

Ferguson is proud to provide best-in-class products, service, and capabilities across the following industries: Waterworks, Commercial/Mechanical, Facilities Supply, Fire and Fabrication, HVAC, Industrial, Residential Trade, Residential Building and Remodel, and Residential Digital Commerce. With 70 years of industry experience, Ferguson's associates are dedicated to understanding the latest products and services available, so they can recommend the system or tool best suited for a Utility's immediate and future needs. The professionals we serve help transform the world we live in, and we are their trusted partners with the scale, expertise, and solutions to provide peace of mind.

Ferguson's expansive product offering allows for the availability of material for on-time jobsite delivery and by leveraging the resources of a nationwide company. Ferguson is positioned to manage the extensive range of projects that this highly specialized industry demands.

We are Ferguson, and Together We Build Better.



CORPORATE VALUES, MISSION, AND VISION



METER AND AUTOMATION GROUP BACKGROUND (MAG)

When Ferguson deployed its first AMI project in 2008, the decision was made on a national level to invest in substantial sales, installation, and ongoing support resources for AMR/AMI projects with the Meter and Automation Group (MAG). Ferguson's in-house team of metering experts are highly trained in the latest metering technology and project management support. Our strong relationship with the top 4-meter manufacturers allows us to offer municipalities access to an extensive range of automated meter reading (AMR), advanced metering infrastructure (AMI), products and solutions. Our MAG team will clearly identify the specific needs of your municipality and will help you select the right AMR/AMI technology based on your requirements and project goals.

In addition to guiding a municipality through the selection of meter system products from top brands, our MAG team members will also provide municipalities with support throughout the installation process. We will help strategically design your utility's metering system to ensure the most accurate readings of meter data. Additionally, Ferguson can leverage its branch network and municipal sales focus to bring unprecedented support. Ferguson's MAG has sixteen years of experience inclusive of Product Specialists, General, Area, and Sales Managers, IT Integration and Installation Project Managers, and Municipal Sales Associates for additional support.



Dedicated Ferguson AMR/AMI sales, service and support employees



More than 2 million points sold since the year 2000



In-house project management team provides assistance for a variety of water meter installation services



Project management services for subcontractor installation and integration



Service and support with a customized maintenance program after sale and installation



METER AND AUTOMATION GROUP BENEFITS

- ✓ Quality Meter & Technology Supplier: Ferguson works hand in hand with many of our manufacturing vendors to offer products and solutions to our customers in need every day. Our rigorous supplier qualification enables us to maintain a detailed list of approved manufacturers, manufacturing sites and specific products from qualified suppliers nationwide.
- Finance Solutions: Ferguson has partnered with firms that specialize in Waterworks project financing so we can help Utilities explore creative funding options to drive higher returns and get more done.
- Expansive Product Offerings and Solutions: Developing knowledgeable and quality focused associates strengthens our ability to partner with our customers and manufactures, offering detailed product knowledge, problem solving solutions, and cost-savings opportunities. Ferguson's expansive product offering allows for the availability of material for on-time jobsite delivery and by leveraging the resources of a nationwide company.
- AMR/AMI Technology Experts: With 70 years of industry experience, Ferguson Waterworks is one of the largest suppliers of water, sewer and storm management products and services to multiple segments of the Waterworks sector. Our associates are dedicated to understanding the latest products and services available, so they can recommend the system or tool best suited for the Utility's immediate and future needs.
- ✓ Meter Testing: Our Meter and Automation Group (MAG) provides meter testing services that ensure your system provides accurate real-time water use data, leak alerts, and more.
- ✓ Support & Project Management: Ferguson provides project management and installation services such as field mapping, instruction, and testing for new water meter systems.
- ✓ Data Analytics Support: Intelligent metering systems and cloud-based analytics software applications can provide unprecedented access to real-time information about consumption demand and system efficiency, which allows forward-thinking Utilities to use predictive analysis to preemptively correct problems.
- Network & Meter Installation: Ferguson partners with experienced national and regional meter installers. All approved Installation partners will comply with the scope of work generated by Ferguson and the Utility. The installers will also adhere to the meter manufacturer's installation specifications, and all other applicable local, state, and federal codes/regulations.





FINANCIALS

- o **COMPANY LEGAL STRUCTURE:** Ferguson is a Limited Liability Company (LLC).
- o **HEADQUARTER'S ADDRESS:** 751 Lakefront Commons, Newport News, VA 23606
- o FERGUSON'S FEDERAL TAX ID: 54-1211771
- o FERGUSON'S D-U-N-S NUMBER: 00-895-5171
- E-VERIFY: 1205487
- o **SAM.gov UNIQUE ENTITY ID NO.:** G3UJV497QGU3
- VERIFICATION OF CURRENT BONDING CAPACITY: Maximum amount of bond authorized to issue: \$50,000,000 Single \$200,000,000 Aggregate.
- BANK REFERENCE: Bank of America Acct: 3752290835 for all inquiries please visit www.bankvod.com

MAIN CORPORATE SITE: Ferguson is part of Ferguson plc, which is listed on the New York Stock Exchange (NYSE: FERG) and the London Stock Exchange (LSE: FERG) and is in the FTSE 100 index of listed companies.

Ferguson's earnings statements are located in Ferguson's Annual Report at www.corporate.ferguson.com. Key sections include our businesses, investors, financial details, media, and sustainability. There is also information on our strategy and links to our business unit websites.

COMPANY REVENUE FOR PAST 3 YEARS





LOCAL PRESENCE AND NATIONAL CAPABILITY

LOCAL CAPABILITY

LOCAL FERGUSON OFFICE

8314 East Long Mesa Drive, Prescott Valley, AZ 86314

Ferguson has over 1,700 branch locations across the U.S, and roughly 300 of those are dedicated to commercial/municipal Waterworks. This allows us to maintain additional stocking levels to ensure that the Tribe will never have to wait for deliveries. This also means that there is no need to tie up funds in the Tribe's warehouse inventory.

Our team has expansive industry knowledge and experience in the state of Arizona, and we work alongside the local Ferguson Waterworks team to offer substantial project resources. This scope includes immediate meter inventories, phone and on-site technical support, meter testing, project management, RMA assistance, and more.



Map illustrates Ferguson's local support platform.

NATIONAL CAPABILITY

Our Waterworks locations and regional Meter Depots allow us to maintain a dedicated metering



Map illustrates Ferguson's national support

inventory, ensuring customers have reliable access to the products they need. Our well-trained staff will also be able to quickly respond to any issues as they arise, as the success of any AMI/AMR system is dependent on solid project experience and support. We utilize inventory our management system and communicate with our partners for product availability and lead times.



MANUFACTURER BACKGROUND - NEPTUNE

Neptune is an AMR/AMI systems vendor with a successful history for **130 years**. As a leading provider of meter reading systems and water measurement products, Neptune has continually focused on the evolving needs of



water utilities – revenue optimization, operational efficiencies, and improved customer service. Our vision is to be viewed as the *most valued partner* of our utility customers and help them manage the world's scarce water, energy, and human funding resources.

Neptune's fully integrated manufacturing facility ensures a dependable and dedicated support for all hardware, software, and support for mobile Advanced Meter Reading (AMR) and fixed-base Advanced Metering infrastructure (AMI) systems. All Neptune water meters meet or exceed American Water Works Association standards as well as all the revised requirements of the Safe Drinking Water Act (SDWA). Accurate meter readings are guaranteed with Neptune's absolute encoder technology — a field-proven meter reading concept first introduced in 1964. This solid foundation allows a seamless migration from manual data collection to handheld, mobile, and fixed network radio frequency systems. Neptune's migration approach means you'll never outgrow Neptune technology.

Neptune has approximately 700 employees in North America producing meter reading systems and water measurement products. Neptune's state-of-the-art, ISO9001-certified, 300,000-square-foot facility in Tallassee, Alabama houses our integrated manufacturing, engineering, and support capabilities. Additionally, Neptune opened its Atlanta based Innovation Center in the spring of 2017 with a focus on software and hardware development, including IT support.

KEY FACTS

- o 715 employees located in the US, Canada, and Mexico
- o 300,000 square foot manufacturing facility
- 100% lead free foundry
- o 4000+ AMR/AMI reading systems deployed
- System hardware optimized for water applications
- Superior battery management
- o Common software platform optimized for mobile and fixed network applications
- o Integrated RF MIU and absolute encoder technologies for Neptune meters
- o R900™ building block for Smart Water solutions Supports fixed base AMI and back up mobile AMR
- Cloud Based Data Management Software offered as a Software-as-a-Service (SaaS) model AMI infrastructure support offered as Network-as-a-Service (NaaS) model