AGENDA
Special, Workshop & Town Hall City Council Meeting
Tuesday, February 17, 2026, 6:00 P.M.
Council Chambers, 116 First Street, Neptune Beach, Florida

1. CALL TO ORDER / ROLL CALL / PLEDGE OF ALLEGIANCE

2. CONSENT AGENDA:

   A. Wastewater Pump Stations SCADA Project — p. 3
   B. Third Amendment to T-Mobile Water Tank Lease Agreement — p. 166

3. RESOLUTIONS:

   A. RESOLUTION NO. 2026-04, A Resolution of the City of Neptune Beach, Duval County, Florida, Approving the Parkside Office Complex Land Agreement to Transfer Certain Portions of Land from Real Property Located at 1102 And 1112 Third Street, Neptune Beach, Florida, from the City of Neptune Beach to 1112 Third Street, LLC; Providing for Incorporation of Recitals, Required Findings, and an Effective Date — p. 190

   B. RESOLUTION NO. 2026-05, A Resolution of the City of Neptune Beach, Duval County, Florida, Approving the Parkside Office Complex Land Agreement to Transfer Certain Portions of Land from Real Property Located at 1102 and 1112 Third Street, Neptune Beach, Florida, from 1112 Third Street, LLC, to the City of Neptune Beach; Providing for Incorporation of Recitals, Required Findings, and an Effective Date — p. 201

   C. RESOLUTION NO. 2026-06, A Resolution of the City of Neptune Beach, Duval County, Florida, Approving the Termination of Utility Easement Located at Park Drive, Neptune Beach, Florida; Providing for Incorporation of Recitals, Required Findings, and an Effective Date — p. 207

4. ADJOURN

WORKSHOP CITY COUNCIL MEETING IMMEDIATELY FOLLOWING THE ABOVE SPECIAL MEETING

1. CALL TO ORDER / ROLL CALL

2. AWARDS / PRESENTATIONS / RECOGNITION OF GUEST / NONE

3. PUBLIC COMMENTS

4. PROPOSED ORDINANCES / NONE

5. CONTRACTS / AGREEMENTS / NONE

6. ISSUE DEVELOPMENT

   A. Impact Fee Discussion (from January 20, 2026) — p. 213
   B. FY2026-2027 Budget Schedule Discussion — p. 248

C. Peace Pole Placement Discussion
D. Jarboe Park 2026 Project Update

7. PUBLIC COMMENTS

8. COUNCIL COMMENTS

9. ADJOURN

TOWN HALL MEETING
IMMEDIATELY FOLLOWING THE ABOVE WORKSHOP

1. CALL TO ORDER / ROLL CALL

2. PUBLIC COMMENTS – OPEN TOPICS

3. ADJOURN

In accordance with Section 286.0105, Florida Statutes, any person desirous of appealing any decision reached at this meeting may need a record of the proceedings. Such person may need to ensure that a verbatim record of the proceedings is made, which record includes the testimony and evidence upon which the appeal is to be based.

In accordance with the Americans with Disabilities Act and Section 286.26, Florida Statute, persons with disabilities needing special accommodation to participate in this meeting should contact the City Clerk's Office at least 48 hours prior to the meeting.

Special Meeting
Agenda Item #2A
SCADA Project

CITY OF NEPTUNE BEACH
CITY COUNCIL MEETING
STAFF REPORT

AGENDA ITEM:	Wastewater Pump Stations SCADA Project
SUBMITTED BY:	Deryle Calhoun, P.E. Public Works Director
DATE:	February 9, 2026
BACKGROUND:	Supervisory Control and Data Acquisition (SCADA) systems use software and hardware to remotely monitor, control, and analyze processes in real-time by utilizing data from devices such as pumps. Currently the City only receives alarm information regarding wastewater pump stations' operational status, requiring personnel to drive to the site and investigate. SCADA would permit: • Remote monitoring and decision making to arrive with the right personnel or potentially avoid after-hours call out response • Daily weekday visits to collect pump run-time information would be reduced to once per week preventive maintenance visits, thereby saving approximately 12 labor hours per week • During storm events wet well levels could be monitored to schedule pump-downs or to throttle flow to overloaded systems • Collection and storage of historical operational information for better maintenance decision making Currently only high wet well and utility power loss is alarmed. In addition to efficiency gains, SCADA will report on loss of communication and pump failure, overload and excessive run time. Staff have identified Mission Communications, LLC as a SCADA provider through their licensed installer, AWC, Inc. that also provides controls and communications support for the water and wastewater treatment facilities. Mission Communications serves over 3,500 utilities across the United States and Canada. The City Attorney has approved use of a City of Palm Coast contract for procuring these services and equipment. The proposal includes panels for all 13 City-owned pump stations, wiring of all panels, start-up/commissioning, and operator training for configuring the dashboard. In addition to the quote, $3,500 would be added for potential additional components and installation labor to interface with existing panels. The Adopted FY26 budget included $30,000 for replacement of a pickup truck. After further discussions, staff will not replace the truck thereby freeing up funds for this request.

BUDGET:	As of 1.29.26, FY26 Sewer Improvements Not Buildings (401-4335-535-60-63) Current Budget is $2,138,453.69 with Budget Available of $1,394,002.76
RECOMMENDATION:	Award to AWC, Inc. in the amount of $46,116.20 which includes $3,500 for potential unknowns as previously noted.
ATTACHMENT:	• Quote from AWC for Mission SCADA dated 1/07/26 • Mission Managed SCADA brochure • Mission SCADA product brochure • AWC sole source letter for Mission products • Piggyback agreement with AWC for Mission Products and Services • City of Palm Coast contract

AWC WINNING TOGETHER

Great Technology
Passionate People
BETTER SOLUTIONS

Confidential: *To be used by recipient's organization only*

Shipping Method:
Carrier: UPS
Service: Ground
Terms: Prepay and Add

Check Availability, Update Quote or Order Online
(Registration Required)

To:	From:
chels NEPTUNE BEACH PUBLIC WORKS DEPT	Chelsea Grover AWC - JACKSONVILLE VALVE SHOP Chelsea.Grover@awc-inc.com

Reference:	3220556
Quote Date:	01/07/2026
Valid Until:	02/06/2026
AWC Quote #:	3220556
Quote Version:	001
AWC Account #:	7C0770
Payment Terms:	Net 30

Bill To:	Ship To:
CITY OF NEPTUNE BEACH 2010 FOREST AVE. NEPTUNE BEACH, FL 32266	NEPTUNE BEACH PUBLIC WORKS DEPT 2010 FOREST AVENUE NEPTUNE BEACH, FL 32266

Subtotal:	$ 42,616.20
Est. Freight:	TBD
Est. Tax:	$ 0.00
Quote Total:	**$ 42,616.20**

Note

Unless otherwise specified in Seller's quotation, prices quoted for Products and Services are good for 30 days and do not include shipping costs or taxes of any description, including without limitation excise, sales, use, property, export, or other taxes which may be imposed upon the manufacture, sale, delivery, export or use of Products or Services. Additionally, quoted prices do not include tariffs, the application and value of which are to be determined by Seller in the event tariffs are levied against such Products or Services. Buyer agrees to pay all such charges or to reimburse Seller therefor upon receipt of Seller's invoice. If Buyer claims exemption from any tax, Buyer shall provide a copy of its tax exemption certificate at the time the order is placed and shall defend, indemnify and hold Seller harmless from and against any claim for taxes, interest and penalties which may be assessed on holding that the items are taxable.

* Lead times may vary due to unforeseen supply chain constraints.

LI #	Part # / Mfg. Name / Description	Qty.	Price	Ext. Price	Availability (ARO)
001	MC M852 **Mission Communicatio** RTU – Wireless Real-Time Alarm System with Streaming Data – NEMA 4X Enclosure (Outdoor enclosure; Includes all parts for standardinstallation) **Line Item Notes:** *Mfr: Mission Communications *Mfr pn: M852 *** Ship Inactive *** Mission SCADA Website Account:	2	$2,949.00	$5,898.00	2 Weeks
002	MC SP850-12 **Mission Communicatio** Service Package - MyDro M850 Series - 1 year **Line Item Notes:** *Mfr: Mission Communicatio *Mfr pn: SP850-12	2	$563.40	$1,126.80	2 Weeks

LI #	Part # / Mfg. Name / Description	Qty.	Price	Ext. Price	Availability (ARO)
003	MC M152 **Mission Communicatio** RTU – MyDro Wireless Real-Time Alarm System – NEMA 4X Enclosure (Outdoor enclosure; Includes all parts for standard installation) **Line Item Notes:** *Mfr: Mission Communicatio *Mfr pn: M152	11	$2,120.00	$23,320.00	2 Weeks
004	MC SP150-12 **Mission Communicatio** Service Package - MyDro M150 Series - 1 year **Line Item Notes:** *Mfr: Mission Communicatio *Mfr pn: SP150-12	11	$347.40	$3,821.40	2 Weeks
005	MI INSTALLATIONS installation assistance and commissioning	13	$650.00	$8,450.00	2 Weeks

Subtotal:	$ 42,616.20
Est. Freight:	TBD
Est. Tax:	$ 0.00
Quote Total:	**$ 42,616.20**

Notes

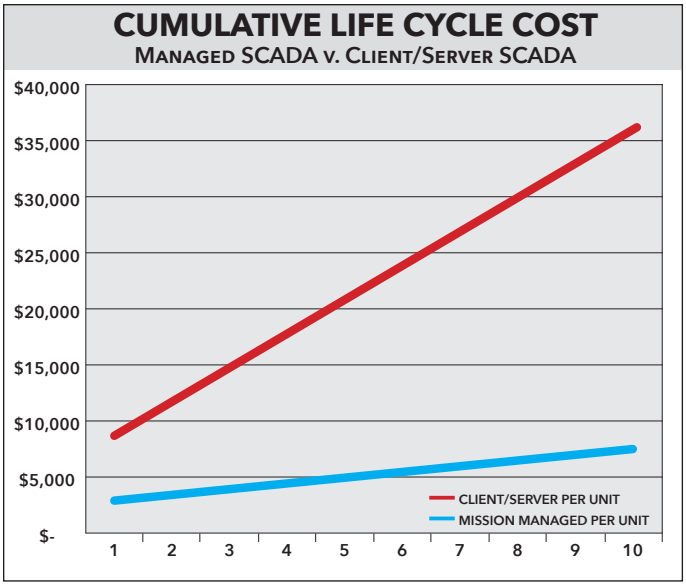
1. If tax exempt, please provide a tax-exempt certificate with purchase order.
2. Estimated delivery is based upon availability at time of quotation. Click Update Quote for current availability. Date in red is after the need date.
3. All stock subject to prior sale. Stock material generally ships the same day if purchase orders are received by 2:00PM EST.
4. Unless otherwise agreed to in writing by both parties, all sales resulting from this quote are subject to AWC's Terms & Conditions.
5. The quoted subtotal does not include import/export duties or credit card processing fees.
6. Credit card payments are acceptable if made at time of order placement, subject to a maximum of $10,000.
   A credit card processing charge of up to 3% of the order amount may be added to the order total.
7. We are unable to estimate the freight. We apologize for the inconvenience. Freight will be determined at time of purchase order.
8. Online access is limited to registered users. Please contact your AWC representative to register.
9. Images shown above are for illustration purposes only.

Managed SCADA

What is Included?

What exactly is included in the annual service fee purchased with a field Remote Terminal Unit (RTU)? What are the actual ongoing costs of the Mission system? Are there any hidden fees? Do I have to buy cellular service to make the RTU work? Are there charges for excessive alarm notifications? Are there any software licenses I have to purchase? How many people can use the system? How long is the RTU data kept? What happens if an RTU is damaged? What about security?

Here's the bottom line: the Mission annual service fee includes everything a utility needs to run a Mission unit in a secure fashion with no risk of hidden fees. This includes all cellular service, the servers that manage and archive the data, web portals, reports, and alarm functions. Mission offers a few optional functions (Tank and Well controller software, OPC Data Transfer, expanded I/O) at additional cost, or simply buy the RTU with the annual service. Then use any existing computers, smart phones, or tablets to access the SCADA system via the secure web logins.



Guaranteed Price Stability

Mission pledges a predictable cost of ownership and has guaranteed that the annual service fee will never increase more than the rate of inflation. This guarantee has been in effect since the company was founded in 1999. No competitors make the same written pledge. For more information, see the Business Performance Guarantee on the back page of this document.

Software as a Service (SaaS)

Mission combines Software as a Service (SaaS) with purpose-built hardware to provide a highly reliable and cost effective turn-key system. The SaaS business model provides more features

Executive Summary

Cellular Services

- Cellular airtime; no overages
- Direct relationships with AT&T, Verizon, and access to many other carriers through Telenor
- Secure socket connections for responsive telemetry

Alarm Notifications

- Phone, fax, email, web, pagers, or text messages; no toll charges
- Sophisticated call–out destination and schedule options
- Alarms can be acknowledged via all methods (except fax and pager) or with a simple toll–free number
- Call–outs recorded and available for review on the web portal
- Numerous "nuisance alarm" reduction features

User Interface and System

- Web portal with state–of–the–art technologies; live data feeds, infinite scrolling, responsive window sizing, active graphics, and more
- Mobile app for smartphones and tablets (123SCADA)
- Customizable overview map of all units at a glance
- Over 50 reports, data views, charts, and graphs optimized for the sensors and features of the RTU
- All historical data available to view comparative analysis or download to a spreadsheet
- Powerful analytical tools like Supergraph
- All systems managed, hosted, and routinely enhanced by Mission

Options and Advanced Features

- Optional automated remote control features like Tank and Well Control, Pulse Based Automated Remote Control, Digital and Analog Interconnect
- Optional real–time OPC link for customers with traditional SCADA HMI
- Expansion boards and service plan for additional data requirements beyond the built-in I/O

Security

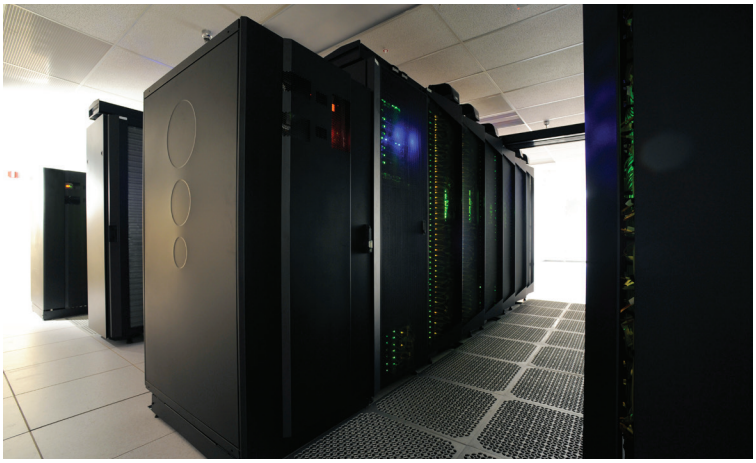
- Data from RTU to servers is encrypted by Mission and sent by carrier over private networks
- RTUs cannot be accessed from the public internet
- Web pages accessed via TLS 2048–bit key encryption
- Logins require credentials; Superadmin can maintain access control list
- Best practices enforced for networks, routers, firewalls, malware protection, and physical access

Support and Warranty

- Toll–free, no–cost technical support
- One–year parts warranty
- Replacement costs for printed circuit board (PCB) and cellular radio of current model Mission branded RTUs will be no higher than $450 and $300 respectively.
- Technology and obsolescence guarantee
- Complimentary training and webinars

with less effort at a substantially lower cost than can be achieved in–house. This business model is ideal for applications that are repeatable, like collection system monitoring and smaller water systems.

The Mission Engineers design all of the electronics and author the software, so we are in full control. Since the data is presented over the web, enhancements are provided system wide with no effort on the utility's part. By combining standardized field hardware, national cellular data networks, and full-featured SCADA software into a single solution, we are able to provide a reliable, managed service specialized for the water and wastewater industries.



Mission operates its SCADA service from a carrier grade data center located near Atlanta, Georgia.

The utility staff has enough to deal with when managing a water and wastewater system. Let Mission manage and monitor the SCADA system.

The Alternative to Managed SCADA

Before Mission, the only way water utilities could harness the benefits of automation via SCADA was to build their own proprietary system. This required going through the specification and bid process and then managing the engineering, construction, and debugging phases of a new technology. This is a time-consuming and expensive proposition. Once the system is running, IT staff is generally required as well as software support agreements.

In-plant processes, like treatment plants and water manufacturing, best served by traditional client/server SCADA systems can accept data from the Mission system via an optional OPC link. This eliminates the complexities of maintaining a utility-wide communications network for the remote assets associated with a collection system.

Included with the Mission Annual Service Fee

On Boarding – After setup forms are received, Mission staff configures the web portal, labels RTU inputs, and enters the call-out destinations for each customer. Mission Technical Support is available to discuss best installation practices and help test inputs before units are put into production. With minimal training, virtually all system parameters from the web portal can be adjusted. With a smartphone, all of the conveniences of the web portal are available in the field. Free training webinars are held weekly to quickly acclimate new users.

Support – A large part of the Mission value proposition is technical support. Talk directly with Mission Technical Support Specialists, use the ticket section of the web portal, or email questions to techsupport@123mc.com. Mission maintains a team of technicians for live telephone technical support from 8 A.M. to 7 P.M. Eastern. After hours support is always available on a responsive callback basis for emergencies at no extra charge.

Current Status – Upon login, the Map view displays all units on a local, customizable map. Clicking on the RTU icons displays additional information such as levels, pressures, or flows. Color codes are used to reflect alarm states, faults, or items of interest. Animated icons show pump running status for real time units.

Alarm Reporting – The Mission system has unparalleled alarm reporting functions. The system can dispatch over 40 phone calls per minute and is scaled as our installed base increases. From the web portal, set up a "phone book" of alarm recipients and the alarm call–out schedule. This even includes Mission's exclusive call recording feature that allows playback recordings of alarm call-outs, eliminating any questions regarding received alarms. The system has a number of nuisance alarm reduction features that eliminate annoying alarms. Alarm notification outcomes are logged. Unique day, night, and weekend schedules are supported and easily setup via the drag-and-drop interface.

Mobile Device Application – The 123SCADA mobile app is available for free download from the app store. Respond to alarm notifications or look at full data from the easy-to-use interface. The app makes on-site RTU setup and configuration easier than ever before. Through the app, scan the QR code on the RTU and receive a prompt to access RTU view, RTU info, and RTU config for the selected device. These options provide access to configure RTU call–out settings, view the status of device inputs, and change basic device information.

The integration of geolocation indicates the location of a device without manually inputting coordinates. Additionally, if they choose to share their location, staff members can be found on the map with location markers. This feature streamlines workflows by providing the ability to route and coordinate service calls.

Using a mobile device camera, take pictures of site equipment such as RTUs, antennas, enclosures, and expansion modules, and submit them directly to a support ticket, making it even more efficient for Mission Technical Support to troubleshoot and resolve system issues.

Cellular Data – All cellular charges are included in the annual fee. Mission buys airtime in bulk and aggregates it across thousands of RTUs. There are no separate overage charges or

early termination fees. Mission has designed its RTUs to send and receive data very efficiently. In the rare case that we notice a runaway sensor, our Technical Support team will assist in resolving the issue so that useful data is received. Mission understands water and wastewater applications, and we know how much data pump stations, wells, tanks, and instruments require. With nearly 30,000 RTUs deployed, we are the largest purchaser of cellular data airtime in the water and wastewater industry.

Mission monitors the connection status of field units. Technicians are alerted when we see a general reduction of the online units in the area. Since Mission is in control of all aspects of the system, we can quickly identify the problem and address it internally, get the cellular carrier involved, or assist with the resolution of a local issue.

Ready–Made Reports and Data Folders

- Alarm, alert, and dispatch logs with easy access to call recordings
- Pump information: runtime, starts, alarms, daily, monthly, variance (displayed in tables and graphs)
- Digital data
- Analog data (displayed in tables and graphs)
- Flow data
- Rainfall from national weather service or local tipping bucket (tabular data, graphs, and integrated with other reports like pump runtime)
- Specialty reports: Sanitary sewer overflow/combined sewer overflow (SSO/CSO), Safe Drinking Water Act (SDWA), chlorine, etc.
- Engineering reports: capacity estimator, volumetric calculations
- Weekly management reports for overall system performance
- Disabled inputs reports
- Site access reports: electronic keys
- Website access: by user and IP address
- Unit health: check-in history, cellular connection history, voltage reports, solar data

Commands – MyDro 150 and MyDro 850 feature three output relays that can be controlled from the web portal with the appropriate password. Use these to manually command pumps or open and close valves. MyDro 850 units can be automated via digital interconnect, where a change of a digital input at one location begets a relay change at another. Use the optional Tank and Well solution to automatically close relays based on an analog value at another location. An optional analog output board is available for setting remote variable values, or with real time units mirroring one analog value to another location.

Security

Remote TeIrminal Connectivity

Mission adopts multiple measures to ensure that data is protected at every step – from RTU to end-user. The Mission RTU is purpose–built; it functions for a specific set of tasks, is programmed to understand very limited protocols, and operates without Windows or Linux and their vulnerabilities. The RTU cannot accept an outside connection from an unknown device; the IP address is assigned within a private range. From the RTU to the carrier, Mission encrypts the over–the–air data using two algorithms, one at the application layer and the other at the wireless carrier level. Once the encrypted data reaches the cell towers it is forwarded to the Mission servers over encrypted private networks (VPNs).

Servers

Mission servers are located in a high security data center that requires biometric scans for entry and is guarded 24 hours per day, seven days per week. Access is limited to a small number of Mission personnel. The facility is engineered to withstand a direct F–4 tornado strike and is surrounded by an eight–foot security fence. The site has multiple electric utility interconnects encased in concrete from the substation to the site and 26 MW of generator capacity to last 72 hours. Redundant cooling and fire suppression systems are also in operation. Connections to the internet backbone consists of multiple peering connections across 14 carriers, redundant internal networks, and a 24–hour network operations center.

Web Access

Once the data is delivered to our servers, it is made available via 2048–bit Transport Layer Security (TLS) encrypted website. All activities are logged and monitored. Repeated failed logins are blacklisted by IP address. Access from outside of US and Canada is automatically flagged.

Defense in Depth Security Strategy

The defense in depth security strategy involves layering security measures into the system. Firewalls are configured to minimize entry points and require high levels of validation; VPNs are used to secure the constant connections with cellular providers. Antivirus and antispam tools are used to block malware. The overall system is monitored from several vantage points, which alerts Mission engineers to any anomaly immediately. Mission follows industry standard best practices with respect to configuration and maintenance of all tools and sub-systems.

Practical Issues

Internal threats and shared, stolen, or casual passwords account for many security breaches today. Employing best practices within the organization can reduce security threats. Mission offers five levels of user credentials – Public, Read-Only, Operator, Administrator, and Superadmin. It is recommended to assign a Superadmin to maintain credentials for all users. User accounts require a minimum of 6 characters and must include a number. The general rule holds that passwords should be changed every six months.

Comparison of Alternatives

Cellular communications reduce the risk of interception at the RTU due to the complex modulations and the spread spectrum nature of modern radio access technologies. With private radio network (PRN) and wireless Ethernet based SCADA systems, the customer must commonly implement encryption on their own. Many private radio based systems are unencrypted and point–to–point wireless. Ethernet WPA/WEP key standards are notoriously easy to circumvent. The beauty of the Mission managed service is that security issues are outsourced to the cellular provider and the professionals at Mission, leaving the utility to focus on what they do best.

Continuous Enhancements – Unlike traditional SCADA software that is installed and maintained locally, Mission's SaaS system is continuously maintained and enhanced at our central servers. The enhancements and new features developed by the engineers of Mission are immediately available at no extra charge. Each year Mission develops new features, some big, some small, all with a focus on the water and wastewater industries. An investment with Mission grows in value over time!

Software and Database Maintenance – The Mission engineering team maintains, archives, and optimizes the system continuously. Terabytes of data are stored on high-speed Storage Array Networks. With a staff of engineers, Mission maintains a more responsive and reliable system.

Hybrid Systems – The optional OPC Data Link is used to synchronize RTU data on Mission servers with a traditional SCADA-HMI server. This allows operators to look at one system while receiving the advantages of managed and low-cost RTU connections. OPC security is assured via credentials and an optional VPN.

Low Risk Field Hardware – After the one–year hardware warranty expires, Mission provides a low–cost replacement parts commitment. Simply stated, the printed circuit board (PCB) and cellular radio of current model Mission branded RTUs will be no higher than $450 and $300 respectively. In addition, we offer a technological obsolescence guarantee that eliminates risk of an orphaned technology. These are some of the ways we have maintained an attrition rate of less than 1% per year.

Business Performance Guarantee

Price Stability Guarantee

For as long as the customer chooses to use the Mission service, the price for monitoring will not increase from the initial term price by more than the amount equal to the annual compounded inflation rate. Term-price inflation considerations are based on an annual review of the previous year's Consumer Price Index for all Urban Consumers (CPI–U), All Items, the broadest domestic measure of consumer inflation as reported by the U.S. Bureau of Labor Statistics (https://www.bls.gov).

Replacement Hardware for the main electronic components (printed circuit board (PCB) and cellular radio) of current model Mission branded RTUs will be no higher than $450 and $300 respectively.

Technology Guarantee

Mission guarantees the radio telemetry technology as the customer wishes to utilize Mission services. If the originally installed radio telemetry technology becomes unavailable, Mission will provide a replacement module for the customer to swap out and replace the non-performing radio telemetry component. The new radio module technology will be equal to or better than the original radio telemetry technology.

If Mission cannot make radio telemetry technology available to the customer within 120 days of the original radio telemetry cessation, then Mission will refund any prepaid and unused service fees and offer a device upgrade per the Obsolescence Guarantee below.

Obsolescence Guarantee

From time-to-time Mission intends to introduce hardware and service improvements to existing hardware models and to introduce new hardware/service offerings. Customers utilizing the managed service offerings of Mission may wish to upgrade previously installed equipment to the newest model offering. Customers may trade-in and/or upgrade equipment for a price equal to the new model price minus the current trade-in value for the existing field equipment. The trade-in value is defined as being 100% of the original MSRP in the first year (from date of purchase), 80% of the purchase price in the second year, 60% in the third year, 40% in the fourth year, and 20% for subsequent years. Additionally, if the new equipment has a different annual service fee associated with it, the new fee will be applied to the customer's annual service at the time of field commissioning of the newer device.

Mission is simply a better way to perform SCADA.

MISSION COMMUNICATIONS

(877) 993-1911 • sales@123mc.com • www.123mc.com

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The Next Generation of Wireless Real–Time Alarm, Monitoring, and Remote Control

All of the functionality of the legacy series (M110 and M800) with an onboard interactive display and enhanced electronics

MyDro 150 and 850 RTUs

Easy to Install

Each remote terminal unit (RTU) includes all necessary hardware for a standard installation, such as a cellular radio, enclosure, backup battery, transformer, antenna with cable, and mounting hardware. Purpose–built RTUs simplify and speed installation. There is no programming required, and RTUs are self–enrolling.

Reliable Wireless Communications

The RTU features a game–changing radio with an embedded SIM that supports multiple carriers (AT&T, T–Mobile, Verizon, and Telenor) as well as a removable SIM for future options such as FirstNet. That means access to multiple carriers is automatic with no need for a site visit to change a SIM. There are no radios to license, nor cellular contracts to set up.

Real–Time Alarms Delivered To All Devices

Real–time alarms are delivered via phone call, text message, email, fax, page, and even to an existing HMI software through an OPC data link. Each alarm is logged with a time stamp for tracking and reporting. The alarm call–out schedule is easy, flexible, and intuitive to set up.

Managed Service–The Complete Package

The Mission system includes all cellular data service, data storage, alarm callouts, reports, and on–call, 24–7–365 technical support. The highly reliable turnkey system offers more features at a lower cost than an in–house setup. No engineering or programming is required, and there are no networks to maintain.

View data and reports using the secure 123SCADA web portal, accessible from any web–enabled device. The 123SCADA user interface is designed to mimic industry–standard Human Machine Interface (HMI) Supervisory Control and Data Acquisition (SCADA) and also includes a legacy user mode. Tabular and graphical reports can be used for compliance reporting and comparative studies. System enhancements are available immediately and included at no cost.

M150 RTUs

Real–Time Alarms with Hourly Summaries

M150 RTUs summarize pump runtimes and pump starts hourly. All alarm data is reported in real time. Analog data and RTU status are reported hourly. Simultaneous pump runtimes can be reported when two pumps run.

M850 RTUs

Real–Time Alarms and Streaming Data

M850 RTUs report pump starts and stops in real–time. Analog values are reported every two minutes or on a five percent change. Volumetric flow calculations can utilize this information along with sump volume (as determined by an analog level sensor or fixed entries) to calculate hourly volumetric flow rates.

Remote Control

Expand system operations with optional remote control for off–site wells, tanks, gates, chlorine dosers, variable frequency drives, and more. Optional automatic remote control interfaces include the Tank and Well Control Package, Digital Interconnect, and Analog Interconnect.

Lift Station Emergency Backup Pump Control

This software-enabled optional feature allows the M150/850 RTUs to temporarily take over pump control for up to two pumps when the primary controller fails, minimizing downtime during critical periods

LCD Touch Screen

- Displays current status
- Supports local configuration

Radio

- Cellular radio supports multiple carriers to ensure optimal connection and signal quality
- No radio licenses or site path studies required

Expandable

- Up to 16 digital inputs, 6 analog inputs, 4 pulse inputs (with SMP), and 2 analog outputs, simultaneously
- Onboard digital inputs configurable for wire fault supervision or strap–on current sensing switch for easier pump run indication
- RS485 for digital, analog, and pulse expansion

Enhanced

- 12 or 24 VDC auxiliary output for battery–backed analog instrument loop power
- Over–the–air upgradeable firmware

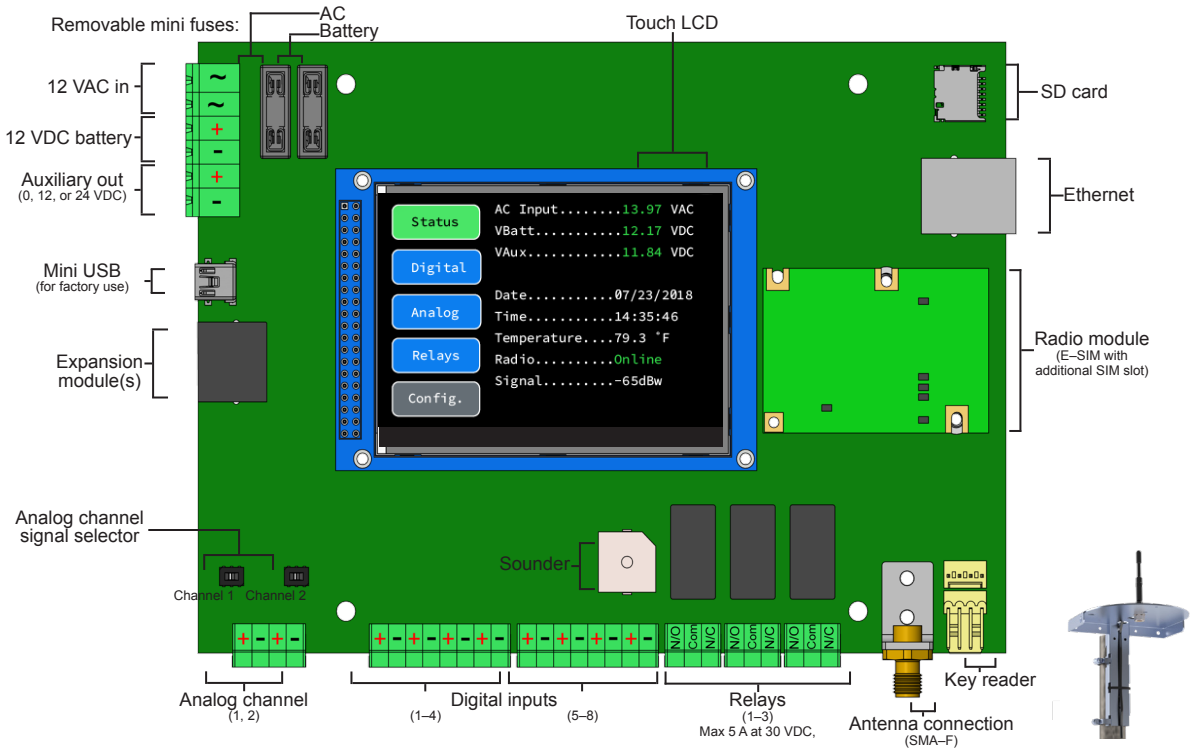
	MyDro 150	MyDro 850
Wastewater	Duplex and triplex sewer lift station, industrial water quality (WQ) alarming, lift station generator alarming	Master pump station monitoring and remote control, critical process monitoring, open channel flow monitoring, sewer station power monitoring, reuse water monitoring and control
Water	Pump station alarming, reservoir level alarming, remote valve alarming, chlorine (Cl) residual WQ alarming, pressure reducing valve station alarming	Pump station monitoring, tank and multiple well control, remote valve monitoring and control, Cl residual WQ alarming, flow or pressure monitoring
Other	Gate status alarming, rainfall monitoring	Septic offload and billing, custody transfer and billing, canal level monitoring and gate control, I&I flow, level data logging

MyDro 50 Also Available

The MyDro 50 offers compact remote monitoring with three analog inputs, three digital inputs, and a latching relay—ideal for tracking rainfall, aquifers, reservoirs, lakes, and water pressure. It also integrates seamlessly into Tank & Well control systems for automated water management.

Read more at 123mc.com/products/MyDro50

Technical Specifications



Outdoor NEMA 4X enclosure:
w 13.25 in x h 13.75 in x d 6.25 in
With sun shield
Weight: 7.6 lbs

NEMA 1 enclosure:
w 11.375 in x h 11.25 in x d 3.5 in
Use indoors, wall mounting
Weight: 3.6 lbs

FlatPak NEMA 1 enclosure:
w 10.5 in x h 7.75 in x d 1.5 in
Use inside MCC cabinet
Weight: 1.8 lbs

5 Ah battery weighs additional
3.6 lbs

		MyDro 150	MyDro 850
Data	**Alarm Data**	Real–time	Real–time
	Pump State	Summarized hourly	Real–time
	Analog Reporting	Current value reported hourly	Every 2 minutes or on 5% change
	Device Health	Built–in inputs reported hourly	
Input/Output	**Digital Inputs**	8 onboard, dry digital inputs with selectable wire fault supervision or direct attach current sensing switch; Expandable to 16 with PN OP653	
		3 configurable for pump run summary reporting; Simultaneous runtimes reported when 2 pumps are monitored	8 configurable for pump run; Pump states reported in real–time. Simultaneous pump runtime reporting supported for up to 7 pumps
	Analog Inputs	2 onboard, 4–20 mA isolated or 0–5 VDC; 4 alarm set points each; Expandable to 9 with PN OP465	
	Digital Relay Outputs	3 remotely controllable, form C, dry contact relay outputs; 5 A at 30VDC, SPDT, N/O, or N/C; Expandable to 9 with PN OP654	
	RS485	Support for specified expansion modules	
	Pulse Inputs	4 channels with Safe Module Plus expansion module PN OP750	
		15–minute reporting	2–minute reporting
	Analog Output	4 channels (4–20 mA or 0–5 V) with PN OP461	
	Electronic Key Reader	Key reader for site activity tracking and service mode	
	Built–in Inputs	AC voltage, battery voltage, board temp, and signal strength; Optional second key reader	
Electrical	**AC Power**	Supervised 120 VAC to 12 VAC, 1.2 A, UL–recognized class II/class III transformer	
	Backup Power	12 V, 5 Ah battery standard with enhanced charging system	
		Up to 50 hours	Up to 18 hours
	Auxiliary	Auxiliary output selectable 12 VDC or 24 VDC for battery–backed analog instrument loop powering; 250 mA max	
	Removable Terminals	Included: Amphenol PN 20020008–G061B01LF (6 pin for power), 20020004–D081B01LF (D08, D04, D03 for I/O)	
	Power Consumption	4.2 W	
Other	**Enclosures**	FlatPak (PN M153), NEMA 1 (PN M151), NEMA 4X (PN M152), Large NEMA 4X (PN M152L)	FlatPak (PN M853), NEMA 1 (PN M851), NEMA 4X (PN M852), Large NEMA 4X (PN M852L)
	Environment	Operating temperature -20–60 °C, non–condensing	
	Cellular Radio	Radios make live, continuous, encrypted TCP socket connections; Payload is end–to–end acknowledged; Penta band (850, 900, 1700, 1900, 2100 mHz); AT&T and partners: LTE, HSPA+, 3G; Verizon and partners: LTE, EVDO, 1XRTT	
	Antenna	Omnidirectional antenna with 11 ft cable, SMA termination, universal mounting bracket	
	Options	Optional SCADA integration OPC link (PN SW586) to client/server HMI, Tank and Well Control Package (see Accessory Catalog for details)	
	Service	Requires Service Packages for the unit and optional expansion boards (see Accessory Catalog for details)	
	Warranty	Two–year manufacturing and material warranty	

Safety Certified

Memo:

January 1st,
2026

To: Mission Customer

This memo confirms that AWC, Inc. is the Exclusive Distributor for Mission Communications' products and services in Florida. Florida's Eastern Time Zone. Cellular Data service and website presentation will be provided by Mission Communications', LLC, therefore all Annual Service Renewals will be invoiced by Mission Communications, LLC.

Michael Hedding
Central Regional Sales Manager
Email: mhedding@123mc.com
Mobile: 941-374-7837
Office: 877-993-1911 ext. 1033
www.123mc.com

CITY OF NEPTUNE BEACH
AGREEMENT TO PIGGYBACK SERVICES

THIS AGREEMENT TO PIGGYBACK SERVICES is made and entered into this _____ day of _____, 2026, by and between the **CITY OF NEPTUNE BEACH**, a Florida municipality, hereinafter referred to as the ("City"), and **AWC, Inc.**, ("Contractor").

WITNESSETH:

WHEREAS, Section 119.0701, Fla. Stat., requires that certain public agency contracts must include certain statutorily required provisions concerning the contractor's compliance for Florida's Public Records Act; and

WHEREAS, Section 768.28, Fla. Stat., sets forth certain mandatory limitations on indemnification and liability for Florida public agencies; and

WHEREAS, Florida law requires that public agency contracts be subject to non-appropriation and thereby contingent upon appropriation during the public agency's statutorily mandated annual budget approval process; and

WHEREAS, Section 448.095, Fla. Stat., imposes certain obligations on public agencies with regard to the use of the E-Verify system by their contractors and subcontractors; and

WHEREAS, Section 287.135, Fla. Stat., provides restrictions on local governments contracting with companies that are on certain Scrutinized Companies lists; and

WHEREAS, Section 286.101, Florida Statutes contains a list of "foreign countries of concern" including, the People's Republic of China, the Russian Federation, the Islamic Republic of Iran, the Democratic People's Republic of Korea, the Republic of Cuba, the Venezuelan regime of Nicolás Maduro, or the Syrian Arab Republic, including any agency of or any other entity under significant control of such "foreign country of concern." Any entity that does business with a state agency or political subdivision must disclose certain of their dealings with those "foreign countries of concern" to the Florida Department of Financial Services; and

WHEREAS, The City of Palm Coast awarded a bid solicitation to Contractor based on the terms of a competitively bid contract in compliance with the procurement laws of the State of Florida ("Previously Procured Contract"). A copy of the complete set of the associated procurement documents are on file with the City Clerk; and

WHEREAS, the services, products and equipment provided by Contractor are needed by the City of Neptune Beach to perform certain services; therefore, the City desires to enter into an agreement with the Contractor pursuant to the same terms of the Previously Procured Contract; and

WHEREAS, the Previously Procured Contract was competitively bid with procedural guarantees of fairness and competitiveness substantially equivalent to those of the City of Neptune Beach; 2) The City of Neptune Beach and Contractor authorize the "piggyback" on the competitive

pricing of their Contract; and 3) it is in the best interest of the residents of the City of Neptune Beach to enter into an agreement with Contractor containing similar terms and conditions as contained in the previously procured contract.

NOW, THEREFORE, in consideration of the covenants set forth herein, the parties agree to this addendum as follows:

1. **Incorporation by Reference.** The foregoing WHEREAS clauses and the Previously Procured Contract are incorporated by reference herein.

2. **Amendments**. The Previously Procured Contract is hereby amended by the terms of this Agreement. All non-conflicting terms and conditions of the Previously Procured Contract are incorporated herein and made a part hereof. In the event of a conflict between the terms of the Previously Procured Contract and terms of this Agreement, the terms of this Agreement shall prevail. The City of Neptune Beach and its equivalent staff and address shall be substituted for the staff and its staff and addresses, as may be required in the Previously Procured Contract. Said substitutions shall include but may not be limited to any insurance provisions, notice requirements, terms of performance and payment of work, venue, indemnifications and all other statutorily and contractually required obligations of the Parties.

3. **Scope of Work**. The particular scope of work which may contain materials, pricing and times of performance are included in the quote, invoice or contact that is attached hereto and made a part hereof as **Exhibit "A"** and shall be binding upon the City and Contractor.

4. **Public Records Compliance.** Contractor agrees that, to the extent that it may "act on behalf" of the City within the meaning of Section 119.0701(1)(a), Florida Statutes in providing its services under this Agreement, it shall:

(a) Keep and maintain public records required by the public agency to perform the service.

(b) Upon request from the public agency's custodian of public records, provide the public agency with a copy of the requested records or allow the records to be inspected or copied within a reasonable time at a cost that does not exceed the cost provided in this chapter or as otherwise provided by law.

(c) Ensure that public records that are exempt or confidential and exempt from public records disclosure requirements are not disclosed except as authorized by law for the duration of the contract term and following completion of the contract if the contractor does not transfer the records to the public agency.

(d) Upon completion of the contract, transfer, at no cost, to the public agency all public records in possession of the contractor or keep and maintain public records required by the public agency to perform the service. If the contractor transfers all public records to the public agency upon completion of the contract, the contractor shall destroy any duplicate public records that are exempt or confidential and exempt from public records disclosure requirements. If the contractor keeps and maintains public records upon completion of the contract, the contractor shall meet all applicable requirements for retaining public records. All records stored

electronically must be provided to the public agency, upon request from the City's custodian of public records, in a format that is compatible with the information technology systems of the City.

(e) Pursuant to Section 119.0701(2)(a), Fla. Stat., **IF EITHER PARTY TO THIS CONTRACT HAS QUESTIONS REGARDING THE APPLICATION OF CHAPTER 119, FLORIDA STATUTES, TO ITS DUTY TO PROVIDE PUBLIC RECORDS RELATING TO THIS AGREEMENT, THAT PARTY SHALL CONTACT THE CUSTODIAN OF PUBLIC RECORDS AT:**

CATHERINE PONSON, CITY CLERK
(904) 270-2400
CLERK@NBFL.US
116 FIRST STREET
NEPTUNE BEACH, FLORIDA 32266

5. Public Records Compliance Indemnification. Contractor agrees to indemnify and hold the City harmless against any and all claims, damage awards, and causes of action arising from the contractor's failure to comply with the public records disclosure requirements of Section 119.07(1), Florida Statutes, or by contractor's failure to maintain public records that are exempt or confidential and exempt from the public records disclosure requirements, including, but not limited to, any third party claims or awards for attorneys' fees and costs arising therefrom. Contractor authorizes the public agency to seek declaratory, injunctive, or other appropriate relief against Contractor in Duval County Circuit Court on an expedited basis to enforce the requirements of this section.

6. Compliance/Consistency with Section 768.28, Fla. Stat. Any indemnification or agreement to defend or hold harmless by City specified in the Brevard County Contract shall not be construed as a waiver of City's sovereign immunity and shall be limited to such indemnification and liability limits consistent with the requirements of Section 768.28, Fla. Stat. and subject to the procedural requirements set forth therein. Any other purported indemnification by COJ in the COJ Contract in derogation hereof shall be void and of no force or effect.

7. Non-appropriation. City's performance and obligation to pay under this Agreement is contingent upon an appropriation during the City's annual budget approval process. If funds are not appropriated for a fiscal year, then the Contractor shall be notified as soon as is practical by memorandum from the City Manager or designee that funds have not been appropriated for continuation of the Agreement, and the Agreement shall expire at the end of the fiscal year for which funding has been appropriated. The termination of the Agreement at fiscal year-end shall be without penalty or expense to the City subject to the City paying all invoices for services rendered during the period the Agreement was funded by appropriations.

8. E-Verify Compliance. Contractor affirmatively states, under penalty of perjury, that in accordance with Section 448.095, Fla. Stat., Contractor is registered with and uses the E-

Verify system to verify the work authorization status of all newly hired employees, that in accordance with such statute, Contractor requires from each of its subcontractors an affidavit stating that the subcontractor does not employ, contract with, or subcontract with an unauthorized alien, and that Contractor is otherwise in compliance with Sections 448.09 and 448.095, Fla. Stat.

9. Compliance/Consistency with Scrutinized Companies Provisions of Florida Statutes. Section 287.135(2)(a), Florida Statutes, prohibits a company from bidding on, submitting a proposal for, or entering into or renewing a contract for goods or services of any amount if, at the time of contracting or renewal, the company is on the Scrutinized Companies that Boycott Israel List, created pursuant to section 215.4725, Florida Statutes, or is engaged in a boycott of Israel. Section 287.135(2)(b), Florida Statutes, further prohibits a company from bidding on, submitting a proposal for, or entering into or renewing a contract for goods or services over one million dollars ($1,000,000) if, at the time of contracting or renewal, the company is on either the Scrutinized Companies with Activities in Sudan List or the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List, both created pursuant to section 215.473, Florida Statutes, or the company is engaged in business operations in Cuba or Syria. Contractor hereby certifies that Contractor is not listed on any of the following: (i) the Scrutinized Companies that Boycott Israel List, (ii) Scrutinized Companies with Activities in Sudan List, or (iii) the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List. Contractor further hereby certifies that Contractor is not engaged in a boycott of Israel or engaged in business operations in Cuba or Syria. Contractor understands that pursuant to section 287.135, Florida Statutes, the submission of a false certification may subject Contractor to civil penalties, attorney's fees, and/or costs. Contractor further understands that any contract with City for goods or services of any amount may be terminated at the option of City if Contractor (i) is found to have submitted a false certification, (ii) has been placed on the Scrutinized Companies that Boycott Israel List, or (iii) is engaged in a boycott of Israel. And, in addition to the foregoing, if the amount of the contract is one million dollars ($1,000,000) or more, the contract may be terminated at the option of City if the company is found to have submitted a false certification, has been placed on the Scrutinized Companies with Activities in Sudan List or the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List, or has been engaged in business operations in Cuba or Syria.

10. Disclosure Requirements for "Foreign Countries of Concern". CONTRACTOR shall comply with the disclosure requirements set forth is section 286.101 (3) (a), F.S., which requires "Any entity that applies to a state agency or political subdivision for a grant or proposes having a contract value of $100,000 or more shall disclose to the state agency or political subdivision any current or prior interest of, any contract with, or any grant or gift received from a "foreign country of concern" if such interest, contract, grant or gift received from a "foreign country of concern" if such interest, contract, grant or gift has a value of $50,000 or more and such interest existed at any time or such contract, grant or gift was received or in force at any time during the previous five (5) years. Such disclosure shall contain the name and mailing address of the disclosing entity, the amount of the gift or the value of the interest disclosed, the applicable "foreign country of concern" and, if applicable the date of termination of the contract or interest, the date of receipt of the grant or gift and the name of the agent or controlled entity that is the source or interest holder. Within one (1) year before applying for any grant or proposing any contract, such entity must provide a copy of such disclosure to the Department of Financial Services". Pursuant to section 268.101(7), F.S.: "In addition to any fine assessed under [section

286.101(7)(a), F.S.], a final order determining a third or subsequent violation by an entity other than a state agency or political subdivision shall automatically disqualify the entity from eligibility for any grant or contract funded by a state agency or any political subdivision until such ineligibility is lifted by the Administration Commission for good cause."

11. No coercion for labor or services. The Contractor swears under penalty of perjury that the Contractor does not use coercion for labor or services as defined as follows:

"Coercion" means:

1. Using or threatening to use physical force against any person;
2. Restraining, isolating, or confining or threatening to restrain, isolate, or confine any person without lawful authority and against her or his will;
3. Using lending or other credit methods to establish a debt by any person when labor or services are pledged as a security for the debt, if the value of the labor or services as reasonably assessed is not applied toward the liquidation of the debt, the length and nature of the labor or services are not respectively limited and defined;
4. Destroying, concealing, removing, confiscating, withholding, or possessing any actual or purported passport, visa, or other immigration document, or any other actual or purported government identification document, of any person;
5. Causing or threatening to cause financial harm to any person;
6. Enticing or luring any person by fraud or deceit; or
7. Providing a controlled substance as outlined in Schedule I or Schedule II of Sec. 893.03, Fla. Stat. to any person for the purpose of exploitation of that person.

12. Venue and Jurisdiction. Notwithstanding any of other provision to the contrary, this Agreement and the parties' actions under this Agreement shall be governed by and construed under the laws of the state of Florida, without reference to conflict of law principles. As a material condition of this Agreement, each Party hereby irrevocably and unconditionally consents to submit and does submit to the jurisdiction of the Circuit Court in and for Duval County, Florida for any actions, suits or proceedings arising out of or relating to this Agreement.

13. Attorneys' Fees and Costs. Notwithstanding any of other provision to the contrary, if litigation ensues regarding this Agreement, each party hereto shall bear its own attorneys' fee and costs.

14. Additional Terms. Notwithstanding any of other provision to the contrary, the parties agree as follows:

A. This agreement may be signed in counterparts and electronic copies and signatures shall be deemed as if originals.

IN WITNESS WHEREOF, the parties hereto have caused this Agreement to be signed on the date first above written.

Under penalties of perjury, and pursuant to Sec. 92.525, Fla. Stat., Contractor declares that Contractor has read the foregoing paragraph 11 "No coercion for labor or services" and that the facts stated in it are true.

THE CITY OF NEPTUNE BEACH:

By: _____
Chairwoman Cori Bylund, Mayor of the City of Neptune Beach

Attested By: _____
City Clerk

CONTRACTOR: _____:

Signature: _____

Print Name: David Mareiniss

Print Title: Technical Account Mgr.

STATE OF Florida
COUNTY OF St Johns
The foregoing instrument was acknowledged before me by means of ☑ physical presence or ☐ online notarization, this 3 day of February, 2025, by David Mareiniss of AWC, a Florida corporation, on behalf of the corporation, and he/she is personally known to me or has produced Florida Drivers license as identification.

_____
Signature of Notary Public - State of Florida

Jaser Javed
Printed/Typed/Stamped Name of Notary

JASER JAVED
Notary Public - State of Florida
Commission # HH 662829
My Comm. Expires Apr 10, 2029

Approved as to Legal Form and Content by:

_____
Vose Law Firm, City Attorney

Docusign Envelope ID: 5AAC3B0F-98D3-4FB6-846D-D8C2D7CC5C6F

CONTRACT EXECUTIVE OVERVIEW
(Amendment/Renewal)

Vendor Name AWC, Inc.

Project Name: Mission Communications Products and Services (SCADA)

Bid/Reference # SS-UT-24-54

Contract Type: Master Price Agreement

Original Contract Date: 08/18/2024 **New End Date:** 08/17/2026

Resolution # 2024-117 **City Council Approval Date:** 08/06/2024

City's Project Manager Brandon Mahadeo

Brief Description/Purpose:

First Renewal-MPA for Mission Communications Products and Services (SCADA)

Approvals:

Responsible Dept. Director Signed by: John Zobler 8ED4AB9E9E2249D... **Date:** Sep 26, 2025 | 11:46 AM PDT

City Finance Signed by: Helena Alves 4F2A3892B67B492... **Date:** Aug 8, 2025 | 5:02 PM EDT

City Attorney Signed by: Marcus Duffy A9D59FA5D9FD417... **Date:** Aug 8, 2025 | 11:40 AM EDT

Acting City Manager DocuSigned by: Lauren Johnston 17644D609F7D434... **Date:** Sep 27, 2025 | 5:35 AM EDT

Vendor Name and Email David Mareiniss David.Mareiniss@AWC-INC.COM

Docusign Envelope ID: 5AAC3B0F-98D3-4FB6-846D-D8C2D7CC5C6F

city of PALM COAST

Finance Department
Budget & Procurement Office

160 Lake Avenue
Palm Coast, FL 32164
386-986-3730

AWC, Inc.
Attn: David Mareiniss
11653 Central Parkway, Suite 210
Jacksonville, Florida 32224

RE: Letter Authorizing Contract Renewal

Master Price Agreement
Contract Name

August 18, 2024
Effective date

Mission Communications Products and Services (SCADA)
Project name and #

David,

The above referenced contract is currently set to expire August 17, 2025. At this time, the City of Palm Coast seeks to renew the above referenced contract under the same original terms and conditions for one (1) additional year until August 17, 2026. This is the first renewal.

Taxes. Taxes, customs and tariffs on commodities or contractual services purchased under this contract will not be assessed against the City of Palm Coast unless mandated by State or Federal Law.

Contractor is aware of and agrees to comply with the requirements of Florida Statutes § 287.138. To the extent that, under this Agreement, Contractor has access to personal identifying information, Contractor agrees that: Contractor is not owned by the government of a foreign country of concern; the government of a foreign country of concern does not have a controlling interest in Contractor; and Contractor is not organized under the laws of and does not have its principal place of business in a foreign country of concern. Per Florida Statutes § 287.138(1)(c), “foreign country of concern” means the People's Republic of China, the Russian Federation, the Islamic Republic of Iran, the Democratic People's Republic of Korea, the Republic of Cuba, the Venezuelan regime of Nicolás Maduro, or the Syrian Arab Republic, including any agency of or any other entity of significant control of such foreign country of concern. Breach of this provision shall be considered a material breach of this Agreement and shall entitle City to, in its sole discretion, terminate this Agreement.

Pursuant to Section 287.05701, F.S., the City cannot give preference to a Contractor based on the Contractor’s social, political, or ideological interests such as:

a. The Contractor’s political opinions, speech, or affiliations;
b. The Contractor’s religious beliefs, religious exercise, or religious affiliations;
c. The Contractor’s lawful ownership of a firearm;
d. The Contractor’s lawful engagement in lawful manufacture, distribution, sale, purchase, or use of firearms or ammunition;
e. The Contractor’s engagement in the exploration, production, utilization, transportation, sale, or manufacture of fossil fuel-based energy, timber, mining, or agriculture;
f. The Contractor’s support of the state or federal government in combating illegal immigration, drug trafficking, or human trafficking;
g. The Contractor’s engagement with, facilitation of, employment by, support of, business

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relationship with, representation of, or advocacy for any person described herein;
h. The Contractor's failure to meet or commit to meet, or expected failure to meet, any of the following as long as such Contractor is in compliance with applicable state or federal law: 1) environmental standards, including emissions standards, benchmarks, requirements or disclosures; 2) social governance standards, benchmarks, or requirements, including, but not limited to, environmental or social justice; corporate board or company employment composition standards, benchmarks, requirements, or disclosures based on characteristics protected under the Florida Civil Rights Act of 1992; or policies or procedures requiring or encouraging employee participation in social justice programming, including, but not limited to, diversity, equity, or inclusion training.

Contractor is aware of and agrees to comply with the requirements of Florida Statutes § 448.095. E-Verify Registration and Use. "Effective January 1, 2021, public and private employers, contractors and subcontractors must require registration with, and use of the E-verify system to verify the work authorization status of all newly hired employees. Contractor acknowledges and agrees to utilize the U.S. Department of Homeland Security's E-Verify System to verify the employment eligibility of: a) All persons employed by Contractor to perform employment duties within Florida during the term of the contract; and b) All persons (including sub vendors/subconsultants/subcontractors) assigned by Contractor to perform work pursuant to the contract with the City. The Contractor acknowledges and agrees that use of the U.S. Department of Homeland Security's E-Verity System during the term of the contract is a condition of the contract with the City of Palm Coast. By entering into this Agreement, the Contractor becomes obligated to comply with the provisions of Section 448.05, F.S. (2023), "Employment Eligibility," as amended from time to time. This includes, but is not limited to, utilization of the E-Verify System to verify the work authorization status of all newly hired employees and requiring all subcontractors to provide an affidavit to Contractor attesting that the subcontractor does not employ, contract with, or subcontract with, an unauthorized alien. Contractor agrees to execute the same affidavit and to maintain a copy of such affidavits for the duration of this Agreement. Failure to comply with this paragraph will result in the termination of this Agreement as provided in Section 448.095, F.S. (2023), as amended, and the Contractor will not be awarded a public contract for at least one (1) year after the date on which the Agreement was terminated. Contractor will also be liable for any additional costs to City incurred because of the termination of this Agreement in accordance with this section."

Contractor hereby certifies that it: a) has not been placed on the Scrutinized Companies that Boycott Israel List, nor is engaged in a boycott of Israel; b) has not been placed on the Scrutinized Companies with Activities in Sudan List nor the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List; and c) has not been engaged in business operations in Cuba or Syria. If City determines that Contractor has falsely certified facts under this paragraph or if Contractor is found to have been placed on the Scrutinized Companies Lists or is engaged in a boycott of Israel after the execution of this Contract, City will have all rights and remedies to terminate this Contract consistent with Section 287.135, F.S., as amended. The City reserves all rights to waive the certifications required

If agreed, please indicate approval by electronically signing below.

Please feel free to contact me at the email address below, if you have any questions.

Regards,

Nathalie Garcia

Nathalie Garcia
Sr. Contracts and Procurement Coordinator
ngarcia@palmcoastgov.com

Docusign Envelope ID: 5AAC3B0F-98D3-4FB6-846D-D8C2D7CC5C6F

This contract renewal is hereby acknowledged and agreed to:

CITY OF PALM COAST

DocuSigned by:

By: Lauren Johnston

17644D609F7D434...

Print: Lauren Johnston

Title: Acting City Manager

Date: Sep 27, 2025 | 5:35 AM EDT

SUPPLIER

Signed by:

By: David Mareiniss

2B6365A1...

(Authorized Corporate Signatory)

Print Name: David Mareiniss

Title: Technical Account Manager

Date: Aug 8, 2025 | 7:05 AM PDT

Docusign Envelope ID: 5AAC3B0F-98D3-4FB6-846D-D8C2D7CC5C6F

CONTRACTOR E-VERIFY AFFIDAVIT

I hereby certify that _____ *[insert contractor company name]* does not employ, contract with, or subcontract with an unauthorized alien, and is otherwise in full compliance with Section 448.095, Florida Statutes.

All employees hired on or after January 1, 2021 have had their work authorization status verified through the E-Verify system.

A true and correct copy of _____ *[insert contractor company name]* proof of registration in the E-Verify system is attached to this Affidavit.

_____

Print Name: _____

Title: _____

Date: _____

STATE OF FLORIDA

COUNTY OF _____

The foregoing instrument was acknowledged before me by means of ☐ physical presence or ☐ online notarization, this ____ day of _____, 20___ by _____ *[name of officer or agent, title of officer or agent]* of _____ *[name of contractor company acknowledging]*, a _____ *[state or place of incorporation]* corporation, on behalf of the corporation. He/she is personally known to me or has produced _____ *[type of identification]* as identification.

[Notary Seal]

_____

Notary Public

_____

Name typed, printed or stamped

My Commission Expires: _____

Docusign Envelope ID: 5AAC3B0F-98D3-4FB6-846D-D8C2D7CC5C6F

AFFIDAVIT OF COMPLIANCE WITH ANTI-HUMAN TRAFFICKING LAWS

State of _____

County of _____

In accordance with section 787.06 (13), Florida Statutes, the undersigned, on behalf of _____ (the "Entity"), hereby attests under penalty of perjury, that the Entity does not use coercion for labor or services as defined in Section 787.06, Florida Statutes, entitled "Human Trafficking."

The undersigned representative of the Entity is authorized to execute this affidavit on behalf of the Entity.

Date: _____ Signed: _____

Entity: _____ Name: _____

Title: _____

Sworn to (or affirmed) and subscribed before me this _____ day of _____, 2024, by _____.

Notary Signature

_____
PRINT, TYPE OR STAMP NAME OF NOTARY

Personally known_____
OR Produced Identification_____
Type of Identification Produced_____

Docusign Envelope ID: 5AAC3B0F-98D3-4FB6-846D-D8C2D7CC5C6F

FOREIGN COUNTRY OF CONCERN ATTESTATION
(PUR 1355)

This form must be completed by an officer or representative of an entity submitting a bid, proposal, or reply to, or entering into, renewing, or extending, a contract with a Governmental Entity which would grant the entity access to an individual's Personal Identifying Information. Capitalized terms used herein have the definitions ascribed in Rule 60A-1.020, F.A.C.

AWC Inc. is not owned by the government of a Foreign Country of Concern, is not organized under the laws of nor has its Principal Place of Business in a Foreign Country of Concern, and the government of a Foreign Country of Concern does not have a Controlling Interest in the entity.

Under penalties of perjury, I declare that I have read the foregoing statement and that the facts stated in it are true.

Printed Name: David Mareiniss

Title: Technical Account Manager

Signature: Signed by: David Mareiniss 2B6365415BEE493... Date: Aug 8, 2025 | 7:05 AM PDT

Docusign Envelope ID: 5AAC3B0F-98D3-4FB6-846D-D8C2D7CC5C6F

BPO Mgr. Approval

DS

CONTRACT EXECUTIVE OVERVIEW
(Non-Construction)

Vendor Name AWC, INC.

Project Name: Mission Communications Products and Services (SCADA)

Bid/Reference # SS-UT-24-54

Contract Type: Master Services Agreement

Contract Value $ Over $50k

Resolution # 2024- 117 **City Council Approval Date:** 08/06/2024

Standard Contract Template (Y/N): y

If No, then Reviewed by City Attorney: n/a

Length of Contract: 1 year

Renewable (Y/N): yes

If Yes, # and length of renewals: 2 at one year each

City's Project Manager Andrew Schober

Brief Description/Purpose:

Mission Communications and Products Services (SCADA)

Approvals:

Responsible Dept. Director Signed by: Amanda Rees 25188E6E7F5D473... **Date:** Aug 12, 2024 | 8:09 AM PD

City Finance Signed by: Helena Alves 4F2A3892B07B492... **Date:** Aug 12, 2024 | 9:49 AM ED

City Attorney Signed by: Marcus Duffy A9D59FA5D9FD417... **Date:** Aug 17, 2024 | 9:50 PM ED

Acting City Manager DocuSigned by: Lauren Johnston 17644D609F7D434... **Date:** Aug 18, 2024 | 10:00 AM E

Vendor Name and Email Address: David Mareiniss David.Mareiniss@AWC-INC.COM

Docusign Envelope ID: 5AAC3B0F-98D3-4FB6-846D-D8C2D7CC5C6F

city of PALM COAST

Finance Department
Budget & Procurement Office

160 Lake Avenue
Palm Coast, FL 32164
386-986-3730

Dear Supplier,

Please review and sign the attached agreement via DocuSign.

In addition, please attach proof of insurance which is compliant with the insurance requirements set forth in the Agreement.

Thank you.

Regards,
City of Palm Coast
Budget & Procurement Office

MASTER PRICE AGREEMENT

THIS MASTER PRICE AGREEMENT ("Agreement") made and entered into this 18th day of August, 2024 ("Effective Date"), between AWC, INC. whose primary place of business is 11653 Central Parkway, Suite 210, Jacksonville, Florida 32224 ("SUPPLIER") and the CITY OF PALM COAST, a municipal corporation of the State of Florida, holding tax exempt status, whose address is 160 Lake Avenue, Palm Coast, Florida 32164, ("CITY").

WITNESSETH:

WHEREAS, CITY desires to procure certain goods ("Goods") as set forth in Exhibit "A" Product/Price List, attached hereto and made a part hereof, from time to time from a competent and qualified supplier and has conducted a formal Sole Soure request (SS-UT-24-54) requesting bids/quotes for the Goods; and

WHEREAS, SUPPLIER is competent and qualified to provide the Goods to CITY and desires to provide said Goods to CITY at the firm prices established herein and in accordance with the terms and conditions stated herein;

NOW, THEREFORE, in consideration of the mutual understandings and covenants set forth herein, CITY and SUPPLIER agree as follows:

1. PURCHASE ORDERS. During the term of this Agreement and solely upon receipt of authorizations for delivery in the form of written purchase orders ("Purchase Orders"), executed by CITY and signed by SUPPLIER, SUPPLIER shall furnish and deliver those Goods as specified in the Purchase Order and in accordance with the quantities and date or dates for delivery set forth in the Purchase Order. Each Purchase Order shall describe the Goods and related services, if any, as well as the quantities, date or dates for delivery and the amount and method of payment. The Purchase Orders will be issued under and shall incorporate the terms of this Agreement regardless of their text. This Agreement standing alone does not authorize purchase or delivery of Goods or require CITY to place any orders. No claim for Goods furnished by the SUPPLIER not specifically provided for herein or not ordered by CITY shall be honored by CITY. CITY makes no promise that CITY will issue a Purchase Order to SUPPLIER, or as to the number of Purchase Orders during the life of this Agreement. CITY reserves the right to contract with other parties for the goods contemplated by this Agreement when it is determined by CITY to be in the best interest of CITY to do so. Whenever the terms of this Agremeent conflict with any Purchase Order issued pursuant to it, this Agreement shall prevail.

2. DELIVERY- Time is of the essence in the performance of this Agreement. SUPPLIER will arrange each delivery by a carrier chosen by SUPPLIER, and delivery shall be completed in accordance with the date or dates set forth in the Purchase Order. Terms of shipping are F.O.B. Destination Freight Prepaid. Title and risk of loss shall pass when items have been received, inspected and accepted by City. All associated shipping, insurance and other related costs shall be borne by SUPPLIER. Extra charges for any purpose will not be allowed unless explicitly indicated on the Purchase Order. CITY reserves the right to conduct any inspection or investigation to verify compliance of the Goods and related services with the requirements of this Agreement and to reject any delivery not in compliance, and if the deficiency is not visible at the time of delivery, to take and/or require appropriate corrective action.

3. COMPENSATION.

A. Pricing. Pricing for the Goods set forth in any Purchase Oder issued hereunder shall be in accordance with the rates, fees and discounts set forth in Exhibit A, Product/Price List.

B. Invoicing. Upon satisfactory delivery of the Goods required hereunder and, upon acceptance by the CITY, SUPPLIER may invoice the CITY for the amount of compensation provided for under the terms of this Agreement less any amount already paid by the CITY. SUPPLIER shall invoice CITY the amount due based on the Goods provided under the Purchase Order; but, in no event, shall the invoice amount exceed the amounts actually provided. Each Purchase Order shall be invoiced separately. SUPPLIER shall render to CITY, at the close of each calendar month, an itemized invoice properly dated, describing any Goods provided, the cost of the Goods, the name and address of SUPPLIER, the purchase order number, Agreement number (if applicable) and all other information required by this Agreement.The original invoice shall be emailed to ap@palmcoastgov.com.

C. Payment Terms. Payment shall be made after review and approval by CITY under the Prompt Payment Act., Fla. Stat. 218.73. Payments shall be made by CITY to SUPPLIER not more than once monthly.

4. TERM AND TERMINATION.

A. **Term**. This Agreement shall take effect on the Effective Date and shall terminate at the end of one (1) year. Following the initial term and at the sole option of CITY, this Agreement may be renewed for two (2) successive periods not to exceed one (1) year each. Expiration of the term of this Agreement shall have no effect upon Purchase Orders issued pursuant to this Agreement and prior to the expiration date. Purchase Orders shall remain in effect until delivery and acceptance of the goods authorized by the Purchase Order as well as during periods of warranty and guarantee.

B. **Termination**.

i. Termination Without Cause. CITY may terminate this Agreement or any Purchase Order in whole or in part for convenience upon written notice to SUPPLIER sent at least fourteen (14) calendar days prior to the delivery date specified. Upon receipt of such notice, SUPPLIER shall immediately cease all work and discontinue delivery of all Goods unless the notice directs otherwise. CITY shall have no liability to SUPPLIER beyond payment of any balance owing for Goods purchased and already delivered to and accepted by CITY prior to SUPPLIER'S receipt of the notice of termination.

ii. Termination For Cause. City may terminate this Agreement or any Purchase Order in whole or in part at any time for default by written notice to SUPPLIER. Upon receipt of such notice, SUPPLIER shall immediately cease all work and discontinue delivery of all Goods unless the notice directs otherwise. In the event of a breach by SUPPLIER, including failure to make available or to deliver the Goods in the time and or manner provided for in this Agreement or a Purchase Order, CITY reserves the right to purchase substitutions and to charge SUPPLIER for any loss incurred. If this Agreement or any Purchase Order is terminated by CITY for SUPPLIER'S default, then SUPPLIER will be liable for all incidental and consequential damages resulting from SUPPLIER'S breach, including all damages provided in the Uniform Commercial Code (UCC). In the event SUPPLIER is adjudged by a court to be in default, SUPPLIER will pay to CITY all costs and expenses incurred by CITY in connection with the suit, including reasonable attorney's fees.

5. **INDEMNIFICATION AND INSURANCE.**

A. **Indemnification/Sovereign Immunity**.

i. SUPPLIER shall indemnify, hold harmless and defend CITY: (1) from any liabilities, damages, losses and costs, including but not limited to, reasonable attorneys fees arising from any claim or action based on any acts or omissions of SUPPLIER, its employees, servants, agents or subcontractors in completing the work under this Agreement; (2) with respect to any and all claims, suits, actions, and proceedings of actual or alleged infringements of any letter, Patent, Industrial Design right, Trademark or Trade Name, Trade Secret, Copyright or other protected right in any country resulting from any sale, use or manufacture of any Goods delivered hereunder. CITY reserves its rights to be represented in any such action by its own counsel at its own expense.

ii. The indemnification obligations herein shall not be limited to the amount of insurance coverage required herein. In addition, in claims against any person or entity indemnified under this Section by an employee of SUPPLIER or its agents or subcontractors, anyone directly or indirectly employed by them or anyone for whose acts they may be liable, the indemnification obligation under this Section shall not be limited by a limitation on amount of damages, compensation, or benefits payable by or for SUPPLIER or its agents or subcontractors, under Workers Compensation acts, disability benefits acts, or other employee benefit acts.

iii. City expressly retains all rights, benefits and immunities of sovereign immunity and nothing herein shall be deemed to affect the rights, privileges, and immunities of City as set forth in Section 768.28, Florida Statutes.

B. **Insurance.** The SUPPLIER shall at SUPPLIER'S own cost, procure insurance in accordance with Exhibit "B" Insurance Requiremenst, attached hereto and made a part hereof.

6. **ALTERNATIVE DISPUTE/CONFLICT RESOLUTION.**

A. In the event of a dispute related to any performance or payment obligation arising under this Agreement, the parties agree to exhaust the conflict resolution procedures reasonably imposed by CITY prior to filing suit or otherwise pursuing legal remedies.

B. SUPPLIER agrees that it will file no suit nor otherwise pursue legal remedies based on facts or evidentiary materials that were not presented for consideration in the dispute resolution procedures set forth in subsection (A) of this Section..

C. In the event that the CITY'S dispute resolution procedures are exhausted and a suit is filed or legal remedies are otherwise pursued, the parties shall exercise their best efforts to resolve disputes through voluntary mediation. Mediator selection and the procedures to be employed in voluntary mediation shall be reasonably imposed by CITY. The costs of voluntary mediation shall be shared equally among the parties participating in the mediation.

7. **ASSIGNMENT**. SUPPLIER shall not assign this Agreement, any rights hereunder, or any monies due or to become due, nor delegate or subcontract any obligations or work, without the prior written consent of CITY.

8. AUDIT OF BOOKS AND RECORDS. SUPPLIER shall maintain all books, documents, papers, accounting records and other evidence pertaining to this Agreement during the term of this Agreement and for five (5) years subsequent to the expiration or termination of this Agreement and/or final payment, whichever is later. CITY or CITY'S authorized representative may at all reasonable times during the term of this Agreement and for five (5) years thereafter and upon reasonable notice, inspect and audit the books, documents, papers, accounting records and other evidence pertaining to this Agreement, and SUPPLIER shall make such materials available at the SUPPLIER'S office upon CITY'S request. In the event any audit or inspection conducted after final payment reveals any overpayment by CITY under the terms of this Agreement, SUPPLIER shall refund such overpayment to CITY within thirty (30) days of notice by CITY.

9. CHOICE OF LAW/JURISDICTION. This Agreement shall be governed by and interpreted in accordance with the laws of the State of Florida. In any action or proceeding required to enforce or interpret the terms of this Agreement, venue shall be of the Seventh Judicial Circuit in and for Flagler County, Florida, or the Middle District of Florida in Orlando, Fl., if in federal court.

10. COMPLIANCE WITH LAWS. SUPPLIER agrees to comply with all Federal, State, and City laws, ordinances, regulations, and codes, including but not limited to nondiscrimination, immigration and ethics laws. Violation of this section is grounds for debarment and termination of this Agreement.

11. SCRUTINIZED COMPANIES. Contractor hereby certifies that it: a) has not been placed on the Scrutinized Companies that Boycott Israel List, nor is engaged in a boycott of Israel; b) has not been placed on the Scrutinized with Activities in Sudan List nor the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List; and c) has not been engaged in business operations in Cuba or Syria. If City determines that Contractor has falsely certified facts under this paragraph or if Contractor is found to have been placed on the Scrutinized Companies Lists or is engaged in a boycott of Israel after the execution of this Contract, City will have all rights and remedies to terminate this Contract consistent with Section 287.135, F.S., as amended. The City reserves all rights to waive the certifications required by this paragraph on a case-by-case exception basis pursuant to Section 287.135, F.S., as amended.

12. CONTRACTOR PREFERENCE. Pursuant to Section 287.05701, F.S., the City cannot give preference to a Contractor based on the Contractor's social, political, or ideological interests such as:

a. The Contractor's political opinions, speech, or affiliations;
b. The Contractor's religious beliefs, religious exercise, or religious affiliations;
c. The Contractor's lawful ownership of a firearm;
d. The Contractor's lawful engagement in lawful manufacture, distribution, sale, purchase, or use of firearms or ammunition;
e. The Contractor's engagement in the exploration, production, utilization, transportation, sale, or manufacture of fossil fuel-based energy, timber, mining, or agriculture;
f. The Contractor's support of the state or federal government in combating illegal immigration, drug trafficking, or human trafficking;
g. The Contractor's engagement with, facilitation of, employment by, support of, business relationship with, representation of, or advocacy for any person described herein;
h. The Contractor's failure to meet or commit to meet, or expected failure to meet, any of the following as long as such Contractor is in compliance with applicable state or federal law: 1) environmental standards, including emissions standards, benchmarks, requirements or disclosures; 2) social governance standards, benchmarks, or requirements, including, but not limited to, environmental or social justice; corporate board or company employment composition standards, benchmarks, requirements, or disclosures based on characteristics protected under the Florida Civil Rights Act of 1992; or policies or procedures requiring or encouraging employee participation in social justice programming, including, but not limited to, diversity, equity, or inclusion training.

13. CONTRACT DOCUMENTS. The Sole Source request and all submissions prepared by SUPPLIER in response to the Sole Source request are incorporated herein by reference to the extent not inconsistent with the terms and conditions as set forth herein. Each Exhibit referred to and attached to this Agreement is an essential part of this Agreement. The Exhibits and any amendments or revisions thereto, even if not physically attached hereto, shall be treated as if they are part of this Agreement.

14. ENFORCEABILITY. If any provision of this Agreement shall be held to be invalid or unenforceable for any reason, the remaining provisions shall continue to be valid and enforceable. The failure of either party to enforce any provision of this Agreement shall not be construed as a waiver or limitation of that party's right to subsequently enforce and compel strict compliance with every provision of this Agreement. The waiver of a breach of any term or condition of this Agreement or Purchase Order hereunder shall not be deemed to constitute the waiver of any other breach of the same or any other term or condition hereunder. In addition, neither CITY'S review, approval or acceptance of, nor payment for, any Goods provided hereunder shall be construed to operate as a waiver of any rights under this Agreement or the Puchase Order.

15. ENTIRE AGREEMENT. This Agreement shall constitute the entire understanding of the parties and shall not be changed, amended, altered or modified except in writing and signed by authorized representatives of the parties with the same formality and equal dignity herewith. All prior agreements, whether written or oral between the parties relating to the subject matter hereof are

superseded by this Agreement and are of no further force or effect. Accordingly, it is agreed that no deviation from the terms of this Agreement shall be predicated upon any prior representations or agreements, whether oral or written. Any amendments to this Agreement must be in writing signed by both parties. In the event of a conflict between this Agreement and a Purchase Order or any other writing, this Agreement controls over such inconsistent or additional terms.

16. E-VERIFY REGISTRATION AND USE. Effective January 1, 2021, public and private employers, contractors and subcontractors must require registration with, and use of the E-verify system in order to verify the work authorization status of all newly hired employees. Contractor acknowledges and agrees to utilize the U.S. Department of Homeland Security's E-Verify System to verify the employment eligibility of:

A. All persons employed by Contractor to perform employment duties within Florida during the term of the contract; and
B. All persons (including subvendors/subsconsultants/subcontractors) assigned by Contractor to perform work pursuant to the contract with the City. The Contractor acknowledges and agrees that use of the U.S. Department of Homeland Security's E-Verity System during the term of the contract is a condition of the contract with the City of Palm Coast.

By entering into this Agreement, the Contractor becomes obligated to comply with the provisions of Section 448.05, F.S. (2023), "Employment Eligibility," as amended from time to time. This includes, but is not limited to, utilization of the E-Verify System to verify the work authorization status of all newly hired employees, and requiring all subcontractors to provide an affidavit to Contractor attesting that the subcontractor does not employ, contract with, or subcontract with, an unauthorized alien. Contractor agrees to execute the same affidavit and to maintain a copy of such affidavits for the duration of this Agreement. Failure to comply with this paragraph will result in the termination of this Agreement as provided in Section 448.095, F.S. (2023), as amended, and the Contractor will not be awarded a public contract for at least one (1) year after the date on which the Agreement was terminated. Contractor will also be liable for any additional costs to City incurred as a result of the termination of this Agreement in accordance with this section.

17. INDEPENDENT CONTRACTOR. The relationship of the parties established by this Agreement and all Purchase Orders is that of independent contractors. It is agreed that nothing herein contained is intended or should be construed as in any manner creating or establishing a relationship of co-partners between the parties, or as making the SUPPLIER, (including its officers, employees, and agents), the agent, representative, or employee of CITY for any purpose, or in any manner, whatsoever. Persons employed by the SUPPLIER in the performance of services and functions pursuant to this Agreement shall have no claim to pension, workers' compensation, unemployment compensation, civil service or other employee rights or privileges granted to CITY'S officers and employees either by operation of law or by CITY.

18. NOTICES. Whenever either party desires to give notice to the other, it must be given by written notice, sent by registered or certified United States mail, with return receipt requested, addressed to the party for whom it is intended at the place last specified and the place for giving of notice shall remain such until it shall have been changed by written notice in compliance with the provisions of this Section. For the present, the parties designate the following as the respective places for giving of notice:

FOR CITY:
The City Manager
City of Palm Coast
160 Lake Avenue
Palm Coast, Florida 32164

FOR SUPPLIER:
David Mareiniss
AWC, Inc.
11653 Central Parkway, Suite 210
Jacksonville, Florida 32224

19. PUBLIC RECORDS LAW. The parties specifically acknowledge that this Agreement is subject to the laws of the State of Florida, including without limitation, Chapter 119, Florida Statutes, which generally makes public all records or other writings made or received by the parties. If SUPPLIER is either a "contractor" as defined in Section 119.0701(1)(a), Florida Statutes, or an "agency" as defined in Section 119.011(2), Florida Statutes, SUPPLIER shall:

1. Keep and maintain all public records required by CITY to perform the services herein; and
2. Upon request from CITY'S custodian of public records, provide CITY with a copy of the requested records or allow the records to be inspected or copied within a reasonable time at a cost that does not exceed the cost provided in Chapter 119, F.S. or as otherwise provided by law; and
3. Ensure that public records that are exempt or confidential and exempt from public records disclosure requirements are not disclosed except as authorized by law for the duration of the Agreement Term and following completion of the Agreement if SUPPLIER does not transfer the records to CITY; and
4. Upon completion of the Agreement, transfer, at no cost, to CITY all public records in possession of the SUPPLIER or keep and maintain public records required by CITY to perform the services herein. If the SUPPLIER transfers all public records to CITY upon completion of the Agreement, the SUPPLIER shall destroy any duplicate public records that are exempt or confidential and exempt from public records disclosure requirements. If the SUPPLIER keeps and maintains public records upon completion of the Agreement, the SUPPLIER shall meet all applicable requirements for retaining public records. All records stored

electronically must be provided to CITY, upon request from CITY'S custodian of public records, in a format compatible with the information technology systems of CITY.

All requests to inspect or copy public records relating to the Agreement shall be made directly to CITY. Notwithstanding any other provision of this Agreement to the contrary, failure to comply with the requirements of this paragraph shall result in the immediate termination of the Agreement, without penalty to CITY. A contractor who fails to provide the public records to CITY within a reasonable time may be subject to penalties pursuant to Section 119.10, Florida Statutes. Further, the SUPPLIER shall fully indemnify and hold harmless CITY, its officers, agents and employees from any liability and/or damages, including attorney's fees through any appeals, resulting from the SUPPLIER'S failure to comply with these requirements.

IF THE SUPPLIER HAS QUESTIONS REGARDING THE APPLICATION OF CHAPTER 119, FLORIDA STATUTES, TO THE SUPPLIER'S DUTY TO PROVIDE PUBLIC RECORDS RELATING TO THIS AGREEMENT, CONTACT THE CITY CLERK'S OFFICE AT 386-986-3713, CITYCLERK@PALMCOASTGOV.COM, 160 LAKE AVENUE, PALM COAST, FLORIDA 32164.

20. SUBCONTRACTORS. In the event that SUPPLIER, during the course of this Agreement, requires the services of any subcontractors or other professional associates in connection with performance of this Agreement or any Purchase Order , SUPPLIER must first secure CITY'S prior express written approval. If subcontractors or other professional associates are required, SUPPLIER shall remain fully responsible for the performance of subcontractors or other professional associates.

21. UCC. In addition to any rights or remedies contained in this Purchase Order, each party shall have rights, duties, and remedies available through the Uniform Commercial Code.

22. WARRANTY. SUPPLIER warrants that all Goods supplied are new, of good quality, and free from defects in title, workmanship, material, and in design, and are in full compliance with the specifications.In addition, SUPPLIER warrants that all work or services, if any, shall be performed in a good and competent workmanlike manner. A copy of this warranty and all applicable manufacturer's warranties shall be furnished with the delivery of the Goods and, services if any. The equipment manufacturer's warranty must apply at a minimum, and must be honored by SUPPLIER.

IN WITNESS WHEREOF, the parties hereto have made and executed this Agreement on the date below written for execution by the CITY.

CITY OF PALM COAST

DocuSigned by:
By: Lauren Johnston
17644D609F7D434...

Print: Lauren Johnston

Title: Acting City Manager

Date: Aug 18, 2024 | 10:00 AM EDT

AWC, INC.

Signed by:
By: David Mareiniss
2B6365415BEE493...
Authorized Signatory

Print: David Mareiniss

Title: Technical Account Manager

Date: Aug 12, 2024 | 4:58 AM PDT

Exhibits:
A: Product/Price List
B: Insurance Requirements

Exhibit A
PRODUCT/PRICE LIST

(See attached)

Remote Terminal Units (RTUs)				
Item Number	Description	Notes	MSRP	
MyDro M150 Series				
M151	**RTU – MyDro Wireless Real–Time Alarm System – NEMA 1 Enclosure** (Indoor wall mounting enclosure, not weatherproof; includes all parts for standard installation)	See Notes 1 and 2	$2,000.00	
M152	**RTU – MyDro Wireless Real–Time Alarm System – NEMA 4X Enclosure** (Outdoor enclosure, includes all parts for standard installation)	See Notes 1 and 2	$2,157.89	
M152L	**RTU – MyDro Wireless Real–Time Alarm System – Large NEMA 4X Enclosure** (Outdoor enclosure, includes all parts for standard installation)	See Notes 1 and 2	$2,283.16	
M153	**RTU – MyDro Wireless Real–Time Alarm System – FlatPak Enclosure** (Mounts inside MCC cabinet, includes all parts for standard installation)	See Notes 1 and 2	$2,000.00	
MyDro M850 Series				
M851	**RTU – Wireless Real–Time Alarm System with Streaming Data – NEMA 1 Enclosure** (Indoor wall mounting enclosure, not weatherproof, includes all parts for standard installation)	See Notes 1 and 2	$2,842.11	
M852	**RTU – Wireless Real–Time Alarm System with Streaming Data – NEMA 4X Enclosure** (Outdoor enclosure, includes all parts for standard installation)	See Notes 1 and 2	$3,000.00	
M852L	**RTU – Wireless Real–Time Alarm System with Streaming Data – Large NEMA 4X Enclosure** (Outdoor enclosure, includes all parts for standard installation)	See Notes 1 and 2	$3,105.26	
M853	**RTU – Wireless Real–Time Alarm System with Streaming Data – FlatPak Enclosure** (Mounts inside MCC cabinet, includes all parts for standard installation)	See Notes 1 and 2	$2,842.11	
In-Sewer RTU				
M84	**RTU – Manhole Monitor Plus – Sewer Overflow Alarm and Tracking System** (Battery–powered; includes: 1 float with 20 ft cable, mounting bracket, in–road antenna and installation hardware), Telit, LTE, M2M	See Notes 1 and 2	$2,289.47	
Solar-Powered RTUs				
M152SL	**RTU – Solar Wireless Real–Time Alarm System** (Includes: radio adapter – AT&T or Verizon, NEMA 4X enclosure – large, solar panel mounting rack, large solar panel (20 W), solar charge regulator and battery – 35 Amp–hour)	See Notes 1 and 2	$3,121.05	
M152SL-50	**RTU – Solar Wireless Real–Time Alarm System** (Includes: radio adapter – AT&T or Verizon, NEMA 4X enclosure – large, solar panel mounting rack, large solar panel (50 W), solar charge regulator and battery – 35 Amp–hour)	See Notes 1 and 2	$3,236.84	
M852SL	**RTU – Solar Wireless Real-Time Alarm System with Streaming Data** (Includes: radio adapter – AT&T or Verizon, NEMA 4X enclosure – large, solar panel mounting rack, solar Panel (20 W), solar charge regulator and battery – 35 Amp–hour)	See Notes 1 and 2	$3,984.21	
M852SL-50	**RTU – Solar Wireless Real-Time Alarm System with Streaming Data** (Includes: radio adapter – AT&T or Verizon, NEMA 4X enclosure – large, solar panel mounting rack, solar panel (50 W), solar charge regulator and battery – 35 Amp–hour)	See Notes 1 and 2	$4,100.00	
RTU Kits (RTUs not included)				
Rainfall Measurement Kits				
KT278-SMP	**Rainfall Kit MyDro — AC** (Includes: Rain Tipping Bucket, Universal Mounting Stand Base Assembly and Safe Module Plus)	See Note 3	$1,821.05	
KT280	**Rainfall Kit MyDro — 20 Watt Solar** (Includes: rain tipping bucket, steel powder-coated mounting stand, expansion module – pulse input, large NEMA 4X enclosure, large solar panel (20 W), Solar panel mounting rack, Solar charge regulator and large 35 Amp–hour battery)	See Note 3	$2,842.11	
Solar Kits				
KT862	**Solar Kit MyDro — 20 W** (Includes: 20 W solar panel, solar panel mounting rack, large NEMA 4X enclosure, 35 Ah battery, and solar charge regulator)	See Note 3	$963.16	
Expansion Modules and Option Boards				
Item Number	Description	Notes	MSRP	
Expansion Modules				
OP465	**Expansion Module — Analog Input** (4–channel analog input module via RS485)	See Notes 4 and 5	$747.37	
OP461	**Expansion Module — Analog Output** (2–channel analog output module via RS485)	See Notes 4 and 5	$747.37	
OP653	**Expansion Module — Digital Input** (8–channel isolated digital input module via RS485)	See Notes 4 and 5	$747.37	
OP654	**Expansion Module — Digital Output** (8–channel Power Relay Output Module w/Modbus for MyDro)	See Notes 4 and 5	$747.37	
OP750	**Safe Module Plus — Pulse Input, relay output, float connector** (4–channel counter via RS485)	See Notes 3 and 5	$342.11	

Expansion Modules and Option Boards Continued
Option Boards

OP650	**Option Board** — **Digital Input** (8 additional isolated digital inputs for alarm purposes)	See Notes 5, 6, and 8	$526.32	
OP400*	**Sensor — AC Current Switch** (Strap-on, nylon enclosure, 6 ft twisted pair wire, red LED)	See Note 7, and 49	$39.09	
Annual Service				
SP150-12	**Service Package — MyDro 150 Series —** 1 year	See Notes 9 - 11	$365.68	
SP150-24	**Service Package — MyDro 150 Series —** 2 year (10% discount included)	See Notes 9 - 11	$658.11	
SP150-36	**Service Package — MyDro 150 Series —** 3 year (15% discount included)	See Notes 9 - 11	$932.21	
SP850-12	**Service Package — MyDro 850 Series —** 1 year	See Notes 9 - 11	$593.05	
SP850-24	**Service Package — MyDro 850 Series —** 2 year (10% discount included)	See Notes 9 - 11	$1,068.42	
SP850-36	**Service Package — MyDro 850 Series —** 3 year (15% discount included)	See Notes 9 - 11	$1,512.63	
SPMMP-12	**Service Package — Manhole Monitor Plus —** 1 year	See Notes 9 - 12	$239.37	
SPMMP-24	**Service Package — Manhole Monitor Plus —** 2 year (10% discount included)	See Notes 9 - 12	$430.86	
SPMMP-36	**Service Package — Manhole Monitor Plus —** 3 year (15% discount included)	See Notes 9 - 12	$610.39	
SPMB-12	**Service Package — MyDro 850 I/O —** 1 Year (1-8 Channels)	See Notes 11 - 13		
Antennas and Antenna Accessories				
RF445	**Antenna Adapter — Base** (7.5 in TNC–F to Molded Antenna Base adapter)	See Note 14	$20.00	
RF446	**SMA–F to TNC–F Adapter**		$52.63	
RF3004	**Antenna — Directional Yagi** (11 dB gain, Multi-band antenna, 700 – 2700 MHz, includes N–M connector, no antenna cable)	See Note 15	$108.42	
RF409	**Antenna — Low Profile With Cable and Adapter** (3 dB gain, dual band tamper resistant antenna and SMA–F to TNC–F adapter)		$146.32	
RF412	**Antenna — Low Profile With Cable** (3 dB gain, Dual band tamper resistant antenna and 11 ft SMA Cable)		**$97.89**	
RF417	**Antenna Cable — 10 ft RG58** (N–M to SMA–M)		**$17.89**	
RF418	**Antenna Cable — 11 ft RG58** (SMA–M to Molded Antenna Base)	See Note 16	$37.89	
RF413C	**Antenna Cable — 15 ft** (Includes: low signal loss 9913 cable with TNC–M connectors on both ends, 8 in TNC-F to SMA–M adapter and 7.5 in TNC–F to molded antenna base adapter)	See Note 17	$91.58	
RF414C	**Antenna Cable — 20 ft** (Includes: low signal loss 9913 cable with TNC–M connectors on both ends, 8 in TNC–F to SMA–M adapter and 7.5 in TNC–F to molded antenna base adapter)	See Note 17	$226.32	
RF415C	**Antenna Cable — 25 ft** (Includes: low signal loss 9913 cable with TNC-M connectors on both ends, 8 in TNC–F to SMA–M adapter and 7.5 in TNC–F to molded antenna base adapter)	See Note 17	$292.63	
RF416C	**Antenna Cable — 50 ft** (Includes: low signal loss 9913 cable with TNC-M connectors on both ends, 8 in TNC-F to SMA-M adapter and 7.5 ft TNC-F to molded antenna base adapter)	See Note 17	$505.26	
RF8007	**Antenna Kit — Universal Stand** (Includes: antenna bracket, 11 ft molded end antenna cable, antenna whip, 1/4-20x1/2 in screw and 2 mounting clamps)	See Note 18	$104.21	
RF435*	**Antenna Kit — Pole Mount without Antenna L-Bracket (**Includes: 11 ft RG58 SMA-M to molded end antenna cable, antenna LTE stubby, and 2 Mounting Clamps)	See Note 19, and 49	$72.63	
RF430	**Antenna Mini — Whip** (Replacement, LTE)	See Note 20	$26.32	
RF436*	**Bracket — Universal Antenna Mount** (Replacement, universal, aluminum)	See Note 21, and 49	$31.58	

Manhole Monitor Hardware				
Item Number	Description	Notes	MSRP	
RF8006	**Antenna — Above–ground** (Dual band antenna with 12 ft SMA-M to SMA-F coaxial antenna cable housed in a 6 ft x 3.5 in vandal resistant PVC post)	See Note 22	$263.16	
RF8003	**Antenna — In–ground** (Replacement, dynamic load, omni directional, MM-AC1)		**$250.53**	
PW8202	**Battery Pack Kit** (Replacement lithium manganese dioxide, 6.6 V, 601 Ah battery pack with 5+ year nominal lifetime, O–ring, 4 pan head Phillips stainless steel screws, nitrile gloves)		**$122.11**	
CP8807	**Carabiner** (Snap hook, 3-1/8 in L, 316 rated stainless steel)		**$9.47**	
CP8000	**Drill Bit** (3/8 in x 24 in masonry bit, MM)	See Note 23	$40.00	
IT8503	**Float — 10 ft** (Normally–closed, mercury–free, mechanically–activated, milliampmaster, ROHS–compliant float with small weight attached; Heat, chemical, and abrasion–resistant yellow cable with molded watertight termination with integral o–ring and locking bayonet) **For use with M83**		**$54.74**	
IT8502	**Float — 20 ft** (Normally–closed, mercury–free, mechanically–activated, milliampmaster, ROHS–compliant float with small weight attached; Heat, chemical, and abrasion–resistant yellow cable with molded watertight termination with integral o–ring and locking bayonet) **For use with M83**		**$92.63**	
IT8504	**Float — 30 ft** (Normally–closed, mercury–free, mechanically–activated, milliampmaster, ROHS–compliant float with small weight attached; Heat, chemical, and abrasion–resistant yellow cable with molded watertight termination with integral O–ring and locking bayonet) **For use with M83**		**$75.79**	
IT8401	**Float — 10 ft** (Normally–closed, mercury-free, mechanically activated, milliampmaster, ROHS compliant float with small weight attached; Heat, chemical, and abrasion resistant yellow cable. SGS CERTIFIED) **For use with M84**		**$54.74**	
IT8402	**Float — 20 ft** (Normally–closed, mercury-free, mechanically activated, milliampmaster, ROHS compliant float with small weight attached; Heat, chemical, and abrasion resistant yellow cable. SGS CERTIFIED) **For use with M84**		**$92.63**	
IT8403	**Float — 30 ft** (Normally–closed, mercury-free, mechanically activated, milliampmaster, ROHS compliant float with small weight attached; Heat, chemical, and abrasion resistant yellow cable. SGS CERTIFIED) **For use with M84**		**$75.79**	
IT8410	**Opti-Float — 15 ft**	See Note 50	$103.16	
E8110	**Mounting Bracket — Sidewall** (Replacement, 304–rated stainless steel, multi–position, wire management tabs)		**$29.47**	
Marketing Materials				
Literature				
Item Number	Description	Max Order QTY		
LIT-1 Trifold	Trifold brochure with general information about the Mission Communications system (50 per package)	2		
LIT-2 Managed SCADA	Bifold brochure with information about Mission Communications business guarantees (25 per package)	4		
LIT-3 Case Studies	Bifold brochure with summaries of case studies published about Mission Communications customers (25 per package)	2		
LIT-4 MyDro Specification	Data sheet with information about capabilities and technical specifications of MyDro 150 and MyDro 850 RTUs (25 per package)	4		
LIT-5 MyDro Expansion Specification	Data sheet with information about capabilities and technical specifications of MyDro Expansion Modules for use with MyDro 150 and MyDro 850 RTUs (25 per package)	4		
LIT-7 Tank and Well Control Package	Data sheet with information about capabilities and technical specifications of Tank and Well Control Package (25 per package)	2		
LIT-8 Accessory Catalog	Catalog of accessory, component, and replacement parts for use with Mission system (10 per package)	2		
LIT-9 Pocket Folder	Includes 1 copy of each document listed above (5 per package)	3		
LIT-10 RTU Upgrade	Small trifold brochure with information about the benefits of upgrading from legacy series units (M110 and M800) to MyDro series units (M150 and M850) (25 per package)	3		
LIT-11 Manhole Monitor Plus Specification	Data sheet with information about capabilities and technical specifications of Manhole Monitor Plus (25 per package)	2		
LIT-12 Safe Module Plus Specification	Data sheet with information about capabilities and technical specifications of Safe Module Plus (25 per package)	2		
LIT-13 Demo Units Document	Data sheet with information and talking points of Mission Demo Unit (25 per package)	2		
Giveaway Items (Items and availability subject to change based on stock)				
ADV-1 Flashlight Pens	Ballpoint pen with flashlight (25 per package)	2		
ADV-3 Screwdrivers	Small Phillips and flathead screwdriver (25 per package)	2		
ADV-4 Sticky Notepads	4 x 6-in notepad with Mission logo and contact information (10 per package)	3		
ADV-5 Safety Shirts	Short Sleeve Cooling Performance Crew Printed Mission Logo (1 per package)	2		
ADV-6 Stadium Cups	22 oz Frosted White Mission Logo Stadium Cup (Color changes to blue with cold temperature) (5 per package)	2		
ADV-7 Hand Sanitizer	0.5 oz Hand Sanitizer with Mission Logo (5 per package)	2		

Power Accessories and Replacement Components				
	Power Supply — (24V 1A output, 24W, Din-rail mount, universal AC input(100-240VAC)	See Note 29	$36.84	
PW441*	**Battery — 5 Amp-hour** (Replacement, sealed, lead–acid, 12 VDC)	See Note 24, and 49	$49.47	
PW442	**Battery — 7 Amp-hour** (Sealed, lead–acid, 12 VDC)		**$37.89**	
PW7002	**Power Booster** (24 VDC regulated output, 12–24 VDC input, 0.75 Amp max output)	See Note 25	$55.79	
PW426	**Power Supply — Plug–In** (24 VDC, 1 Amp, UL listed, black)	See Note 26	$44.21	
PW479	**Relay** (Single pole double throw, 12/24 VDC, 35 mA coil; contacts rated 120 VAC, 10 Amps; includes: MOVs and diodes)	See Note 27	$36.84	
PW480	**Relay — Solid State** (Single pole single throw, N/O only, 5 – 24 VDC control, 120 VAC 20 Amp load)	See Note 28	$57.89	
PW429*	**Transformer — Flying Lead** (Replacement, UL–listed, class 2, 120 VAC step-down to 12.6 VAC)	See Note 24, and 49	$31.58	
PW430A	**Transformer — Plug–in** (12.6 VAC output, MOV protected)	See Note 30	$24.21	
Replacement and Component Parts				
CP422	**Annunciator/Buzzer** (Replacement)		**$14.74**	
CP500	**Cable, RS485, MyDro Communication Data Cable**		**$36.84**	
CP600	**Mission Communications RS–485 to RS–232 Serial Converter**		**$225.26**	
CP700	**RS-232 LC150 Serial Adapter Cable DB9 to RJ45**		**$82.11**	
CP571	**Conformal Coating** (Protects printed circuit boards from corrosive environments, Includes: main PCB, radio assembly, Wet Well Module and option board if used)	See Note 31	$100.00	
CP305	**Connector Kit for MyDro** (Includes 1 connector, power – 6 pos, 1 connector, analog – 4 pos, 2 connectors, digital – 8 pos, and 3 connectors, relay – 3 pos)		**$33.68**	
E4102	**Enclosure — FlatPak** (Replacement, includes: electronic key reader, annunciator/buzzer and main printed circuit board; dimensions: 1.36 in x 10.33 in x 7.89 in)	See Notes 6 and 32	$315.79	
E4102M	**Enclosure — FlatPak MyDro** (Replacement, includes: electronic key reader, back plate, MyDro molded cover, standoffs and MyDro molded shroud)	See Notes 6 and 32 - 33	$315.79	
E4103	**Enclosure — NEMA 1** (Replacement, includes: electronic key reader, annunciator/buzzer and main printed circuit board; dimensions: 3 in x 11 in x 11 in)	See Note 6	$315.79	
E4103M	**Enclosure — NEMA 1 MyDro** (Replacement, includes: electronic key reader, annunciator/buzzer, dimensions: 3 in x 11 in x 11 in)	See Notes 6 and 32 - 33	$315.79	
E428	**Enclosure — NEMA 4X** (Replacement, includes: hardware, electronic key reader, annunciator/buzzer and main printed circuit board; dimensions: 6.5 in x 10.75 in x 13.5 in)	See Note 6	$405.26	
E428M	**Enclosure — NEMA 4X MyDro** (Replacement, includes: hardware, electronic key reader, and annunciator/buzzer, dimensions: 6.5 in x 10.75 in x 13.5 in)	See Notes 6 and 32 - 33	$405.26	
CP350	**Universal Stand Base Assembly**		**$587.37**	
CP450	**Keys — Electronic** (Package of 5)		**$40.00**	
CP419*	**Fuse Auto 2A 58VDC** (Package of 5)	See Note 49	$10.53	
CP421	**Key Reader — Legacy** (Replacement, electronic)	See Note 6	$24.21	
CP421-MyDro	**Key Reader — MyDro** (Replacement, electronic)	See Note 31	$24.21	
CP627*	**MyDro LCD** (Replacement, For use with CP626)	See Notes 3, 34, and 49	$52.63	
CP625*	**Printed Circuit Board —** Main/Legacy, replacement	See Notes 6, 35, and 49	$421.05	
CP626*	**MyDro Printed Circuit Board —** Main/MyDro (Does not include LCD)	See Notes 3, 35, and 49	$421.05	
CP628	**Main Board Assembly —** (Printed circuit board — main LTE/MyDro, LCD screen, connector kit, and adaptor)	See Note 3	$984.21	
RL*	**Radio/Daughterboard Assembly —** Legacy: For M110 and M800	See Notes 6, 36, and 49	$315.79	
RM*	**Radio/Daughterboard Assembly —** MyDro: For MyDro 150, MyDro 850, and Manhole Monitor	See Notes 3, 36, and 49	$315.79	

Item Number	Description	Notes	MSRP	
Solar Options				
PW862	**Battery — 35 Amp-hour** (Dimensions: 5 in x 7.5 in x 7 in, weight: 25 lbs.)	See Notes 37 and 38	$183.16	
PW865	**Charge Regulator — SunSaver** (12 V)	See Note 37	$94.74	
E865	**Enclosure — Large NEMA 4X** (Assembled, includes: Hardware, electronic key reader and annunciator/buzzer, dimensions: 7.25 in x 13 in 15.84 in)	See Notes 33 and 37	$317.89	
E865M	**Enclosure — Large NEMA 4X Mydro** (Assembled, includes: Hardware, electronic key reader and annunciator/buzzer, dimensions: 7.25 in x 13 in 15.84 in)	See Notes 33 and 37	$317.89	
CP864	**Mounting Rack** (For Solar Panel – 20 W)	See Note 37	$75.79	
CP868	**Solar Panel — 20 W** (Dimensions: 1.97 in x 22.68 in x 14.06 in)	See Note 37	$289.47	
CP869	**Solar Panel — 50 W** (Dimensions: 22.68 in x 14.06 in x 1.97 in)	See Note 37	$342.11	
Specialty Software and Upgrade Options				
SW550	**New Account/Website Setup**	See Notes 11 and 39	$263.16	
SW586	**SCADA Integration — OPC-UA Link Over Internet**	See Notes 11 and 39	$2,100.00	
SW590	**SCADA Integration — VPN Setup for OPC**	See Notes 11 and 39 - 40	$526.32	
SW587	**Tank and Well Control Package**	See Notes 11 and 41 - 42	$1,315.79	
SW588	**PBARC — Pulse Based Automated Remote Control**	See Note 46	$1,315.79	
SW585	**Mission PLC Configuration — PLC Setup**	See Notes 11 and 39	$526.32	
SW800	**Upgrade — M110 to M800 or M150 to M850** (Over–the–air conversion, service package will be converted from M110 to M800 or M150 to M850)	See Notes 11 and 43 - 44	$842.11	
SP-1Upgrade	**Service Package — M110/M150 Upgrade —** Proration from M110 to M800 Series or M150 to M850 Series –– 1 month, non–ship	See Notes 11 and 44 - 45	$18.95	
Transducers and Instrumentation				
IT475	**Loop Isolator — Analog** (Universal signal conditioning module, active, requires external power supply, configurable for multiple input and output formats)		**$496.24**	
IT476	**Loop Isolator** (4 – 20 mA, loop–powered, non–adjustable range/span)		**$72.18**	
IT476P12	**Loop Isolator** (4 – 20 mA, 12 VDC supply required)		**$72.18**	
IT476P24	**Loop Isolator** (4 – 20 mA, 24 VDC supply required)		**$72.18**	
IT251	**Rain Tipping Bucket** (NOAA compliant, corrosion resistant metal, measurements in 1/100 in of rain)	See Note 46	$1,127.82	
IT482	**Surge Suppressor — Analog** (For use with 4 – 20 mA loop circuits)	See Note 47	$82.71	
IT484	**Transducer — Current** (Switchable 0 – 30, 0 – 60, 0 – 120 Amp, 4 – 20 mA output)		**$210.53**	
IT470-1	**Transducer — Level, 0 – 15 ft, 40 ft Cable** (Submersible, loop–powered, 2–wire transducer, 4 – 20 mA DC output over 0 – 6.5 PSI span (0 – 15 ft), 40 ft of signal cable, includes: sealed breather system and integral surge suppressor)	See Note 17	$1,026.32	
IT470-2	**Transducer — Level, 0 – 23 ft, 40 ft Cable** (Submersible, loop–powered, 2–wire transducer, 4 – 20 mA DC output over 0 – 10 PSI span (0 – 23.1 ft), 40 ft of signal cable, includes: Sealed breather system and integral surge suppressor)	See Note 17	$1,026.32	
IT470-3	**Transducer — Level, 0 – 23 ft, 65 ft Cable** (Submersible, loop-powered, 2–wire transducer, 4 – 20 mA DC output over 0 – 10 PSI span (0 – 23.1 ft), 65 ft of signal cable, includes: sealed breather system and integral surge suppressor)	See Note 17	$1,131.58	
IT470-4	**Transducer — Level, 0 – 23 ft, 55 ft Cable** (Submersible, loop–powered, 2–wire transducer, 4 – 20 mA DC output over 0 – 10 PSI span (0 – 23.1 ft), 55 ft of signal cable, includes: sealed breather system and integral surge suppressor)		**$984.21**	
IT470-5	**Transducer — Level, 0 – 15 ft, 65 ft Cable** (Submersible, loop-powered, 2–wire transducer, 4 – 20 mA DC output over 0 – 6.5 PSI span (0 – 15 ft), 65 ft of signal cable, includes: sealed breather system and integral surge suppressor)		**$1,125.32**	
IT465S	**Transducer — Pressure, 0 – 30 PSI** (Non–submersible, 4 – 20 mA, 36 in non–submersible cable, ceramic sensor, 1/4 in NPT 316L SS process connection, 1% FS accuracy, 9 – 30 VDC supply voltage, 1000 ohm max. load resistance (at 30 VDC), 60 PSI max. pressure, 300 PSI over pressure, comes with surge suppressor)		**$252.63**	
IT472S	**Transducer — Pressure, 0 – 75 PSI** (Non–submersible, 4 – 20 mA, 36 in non–submersible cable, ceramic oil–filled sensor, 1/4 in NPT 316L SS process connection, 1% FS accuracy, 9 – 30 VDC supply voltage, 1000 ohm max. load resistance (at 30 VDC), 100 PSI max. pressure, 300 PSI over pressure, comes with surge suppressor)		**$272.81**	
IT473S	**Transducer — Pressure, 0 – 150 PSI** (Non–submersible, 4 – 20 mA, 36 in non–submersible cable, ceramic sensor, 1/4 in NPT 316L SS process connection, 1% FS accuracy, 9 – 30 VDC supply voltage, 1000 ohm max. load resistance (at 30 VDC), 300 PSI max. pressure, 750 PSI over pressure, comes with surge suppressor)		**$252.63**	
IT477S	**Transducer — Pressure, 0 – 15 PSI** (Non–submersible, 4 – 20 mA, 36 in non–submersible cable, ceramic oil–filled sensor, 1/4 in NPT 316L SS process connection, 1% FS accuracy, 9-30 VDC supply voltage, 1000 ohm max. load resistance (at 30 VDC), 30 PSI max. pressure, 150 PSI over pressure, comes with surge suppressor)		**$252.63**	
IT474S	**Transducer — Pressure, 0 – 75 PSI** (Non–submersible, 0 – 5 VDC, 36 in non-submersible cable, ceramic oil-filled sensor, 1/4" NPT 316L SS process connection, 1% FS accuracy, 9-30 VDC supply voltage, 1000 ohm max. load resistance (at 30 VDC), 100 PSI max. pressure, 300 PSI over pressure; Comes with surge suppressor)	See Note 48	$252.63	

Pulsar Measurement USD Price List - 2024
Contents

Section 1
Pricing Guide and Ordering from Pulsar Measurement

Section 2
AVFM 6.1 Area Velocity Measurement

Docusign Envelope ID: 5AAC3B0F-98D3-4FB6-846D-D8C2D7CC5C6F

Section 3
BigFoot Level Velocity Transmitter

Section 4
DFM 6.1 Doppler Flow Meter

Section 5
DFS 5.1 Doppler Flow Switch

Section 6
DLT 2.0 Differential Level Transmitter

Section 7
ISM 5.0 Insertion Electromagenic Meter

Section 8
LIT25 Level Indicating Transmitter

Section 9
MantaRay Portable Area Velocity Flow Meter

Section 10
OCF 6.1 Open Channel Flow Meter

Section 11
PDFM 5.1 Portable Doppler Flow Meter

Section 12
PSL 5.0 Pump Station Level Controller

Section 13
PTFM 6.1 Portable Ultrasonic Transit Time Flow Meter

Section 14
Ranger- Wireless Transmitter

Section 15
SFM 6.1 Slurry Flow Meter

Section 16
Stingray 2.0 Portable Level Velocity Meter

Section 17
TTFM 6.1 Ultrasonic Transit Time Flow Meter

Docusign Envelope ID: 5AAC3B0F-98D3-4FB6-846D-D8C2D7CC5C6F

Pulsar Measurement USD Price List - 2024
Contents (Continued)

Section 18
MDot Thermal Mass Flow Meter

Section 19
Reflect (2 Wire Radar Sensor)

Section 20
dB (ultrasonic), dB Mach3 (ultrasonic) and dBR (mmWave radar) Transducers

Section 21
Ultra (Ultra4, Ultra 5, UltraTwin, Ultra FlowCERT) Controllers

Section 22
Intelligent Controllers (Zenith and Ultimate)

Section 23
Blackbox

Section 24
dBi (Intelligent Ultrasonic Transducer)

Section 25
IMP (Standard, Lite, 2-Wire)

Section 26
Non-Contact Velocity Transducer(FarSight, MicroFlow, Microflow-i)

Section 27
FlowPulse

Section 28
PulsarGuard

Section 29
SludgeFinder (VT)

Section 30
Service Charges & Certification Fees

Section 31
Terms & Conditions- Restocking, Warranty, and Returns Policy

Docusign Envelope ID: 5AAC3B0F-98D3-4FB6-846D-D8C2D7CC5C6F

Pulsar Measurement USD Pricing and Ordering 2024

Price binder includes price lists, recommended parts, service fees, and Pulsar Measurement Terms and Conditions

To Place an Order:

Email PO to: ordersnorthamerica@pulsarmeasurement.com

PO's should include:
Bill To Address
Ship To Address
Ship to Contact Name/Phone #
Part #
Quantity
Method of Shipment (Prepay and Add or Shipping Account #)

Call with Credit Card and ask for Customer Service:

855-300-9151 or 888-473-9546

Request to Expedite Shipments requires:

EIN #(Employer Identification Number) of final destination- "Tax ID # from W9"
Contact Name
Contact Phone #

There can be additional days for Red shipments due to customs processing
If a customer requests expedite, additional customs transaction fees will occur and be charged directly to the customer by the shipping carrier

To Request a RMA, please contact your SAE (Sales Application Engineer) or Tech Support to review the request for service or calibration

Warranty and Terms and Conditions are included on the last page of the Pulsar Measurement Price Book

Lead Time: 1-2 weeks on stocked products and non-standard stocked products, 4-6 weeks.
Contact Customer Service, SAE or Regional Sales Manager (RSM) for additional assistance or expedite requests
*Larger quantity orders over 10, can incur a longer lead time

Model Configuration:

For most product models it requires a controller and transducer
Example: Ultra4+ dB10
Intelligent Sensors do not require a controller: dBi, Reflect, FarSight*, IMP
**Can be configured multiple options*
Contact your RSM/SAE for support and to confirm compatability

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Docusign Envelope ID: 5AAC3B0F-98D3-4FB6-846D-D8C2D7CC5C6F

AVFM 6.1 Area-Velocity Flow Meter

Model Please configure model on next page

Approximate shipping weight: 11 lbs / 5 kg

STANDARD FEATURES:

QZ02L sensor: measures flow Velocity and Level simultaneously Sensor cable: 25 ft / 7.6 m submersible, shielded 3-coaxial pairs Flow rate range: 0.1 to 20 ft/sec and reverse flow to -5 ft/sec

Accuracy: Velocity - ± 2% of reading or ± 0.04 ft/sec (whichever is grea

Repeatability & Linearity ± 0.5%

Level - ± 0.25% of reading or ± 0.08” (whichever is greater) Repeatability & Linearity 0.1%

Enclosure: watertight, NEMA4X (IP66) polycarbonate Display: white, backlit matrix

Totalizer: 14 digit

Calibration: built-in 5-key programmer

Outputs: three isolated 4-20mA/0-5V, Flow, Level and Velocity

2 control relays: 5 amp, SPDT - programmable for flow proportional pulse output, flow and/or level alarm

Datalogger: 128 Megabyte storage capacity (6.5 million points) Power input: 100-240VAC 50/60Hz, 10 VA maximum

CE, UL/CSA/EN 61010-1

AVFM 6.1 Area-Velocity Flow Meter **Model** **AVFM 6.1 __-__-__-__-__- ---------- __**

BASE PRICE: $5,013.85

POWER INPUT

Standard – 100-240VAC 50/60Hz, 10VA Maximum 9-	$0.00	A
32VDC, 10W Maximum	$116.35	B

ENCLOSURE & ELECTRONICS PROTECTION

Standard NEMA4X (IP66) polycarbonate	$0.00	1
NEMA4X polycarbonate enclosure with conformally coated electronics	$376.75	2
CXJ8106 – Explosion proof NEMA7 (non-returnable & non-refundable)	$2,288.10	3

ENCLOSURE TEMPERATURE RATING

Standard (-5° to 140°F / -20° to 60°C)	$0.00	A
Heater and Thermostat 115VAC, 15 VA additional to Power Input (25 VA total)	$144.05	B
Heater and Thermostat 230VAC, 15 VA additional to Power Input (25 VA total)	$144.05	C

INTRINSIC SAFETY

Standard – QZ02L for non-hazardous locations only	$0.00	1
QTY 3 ISB Intrinsic Safety Barriers for sensor installation in Class I, Div 1, Groups C,D; Class II, Groups E,F,G; Class III; Encl. Type 4	$1,340.75	2

***TRANSDUCERS* (each with 25ft / 7.6m cable)**

Standard – QZ02L submersible sensor, measures level and velocity	$0.00	A1
PZ15-LP non-contacting level plus separate QZ02L-B-SS submersible velocity	$376.75	B1
PZ15-LP Non-contacting Level plus SE4 Clamp-on Velocity	$410.00	B2
PZ15 Non-contacting Level plus SE4 Clamp-on Velocity	$410.00	F2

TRANSDUCER MOUNTING HARDWARE

Standard – Stainless steel mounting bracket (included with all Transducer options)	$0.00	1

TRANSDUCER CABLE LENGTH

Standard – 25 ft. 7.6m, cable type matches Transducer selection 50	$0.00	A
ft / 15 m, cable type matches Transducer selection	$171.75	B
100 ft / 30 m, cable type matches Transducer selection	$498.65	C

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SERIAL COMMUNICATIONS

Standard – None	$0.00	1
Modbus® RTU via RS-485	$349.05	2

CONTROL RELAYS

2 – Standard	$0.00	A
4 Extra Relays (6 total), rated 5 amp SPDT, fully programmable	$265.95	B

Docusign Envelope ID: 5AAC3B0F-98D3-4FB6-846D-D8C2D7CC5C6F

OPTIONS AND ACCESSORIES

Code	Description	Price
VXC	Extra QZ02L sensor cable up to 500 ft / 152 m (submersible tri-coaxial, price is per ft)	$6.53
DXC	Extra dual-coaxial sensor cable up to 500 ft / 152 m for optional QZ02L-B submersible velocity-only sensor (price is per ft)	$2.70
XC	Extra coaxial sensor cable up to 500 ft/152 m for optional PZ15-LP level sensor (price is per ft)	$1.00
JB2X	Sensor cable Junction Box, NEMA4X/IP66 polycarbonate	$64.30
JB4X	Sensor cable Junction Box for separate level and velocity, NEMA4X/IP66	$83.15
PM	Enclosure Panel Mount Flange assembly	$160.70
SCR	Enclosure Sunscreen (iridite aluminum)	$45.45
PZS	Sensor Sunscreen (for optional non-contacting PZ15-LP level sensor)	$21.05
MB-QZ	Extra submersible sensor Mounting Bracket, stainless steel	$51.00
MB15	Extra ultrasonic level Mounting Bracket, stainless steel	$51.00
MNL	Additional Manuals (one supplied with each instrument)	$32.20
SP4	Lightning/Surge Protection in NEMA13,12 Steel Enclosure	$1,634.40
VSJ6	SS Pipe Mounting Band for 6”/152 mm ID pipes (fits ±0.5”/13 mm)	$243.80
VSJ8	SS Pipe Mounting Band for 8”/203 mm ID pipes (fits ±0.5”/13 mm)	$282.60
VSJ10	SS Pipe Mounting Band for 10”/254 mm ID pipes (adjustable ±0.5”/13 mm)	$482.00
VSJ12	SS Pipe Mounting Band for 12”/305 mm ID pipes (adjustable ±0.5”/13 mm)	$520.80
VSJ14	SS Pipe Mounting Band for 14”/356 mm ID pipes (adjustable ±0.5”/13 mm)	$520.80
VSJ15	SS Pipe Mounting Band for 15”/381 mm ID pipes (adjustable ±0.5”/13 mm)	$559.60
VSJ16	SS Pipe Mounting Band for 16”/406 mm ID pipes (adjustable ±0.5”/13 mm)	$559.60
VSJ18	SS Pipe Mounting Band for 18”/457 mm ID pipes (adjustable ±0.5”/13 mm)	$603.90
VSJ20	SS Pipe Mounting Band for 20”/508 mm ID pipes (adjustable ±0.5”/13 mm)	$603.90
VSJ24	SS Pipe Mounting Band for 24”/610 mm ID pipes (adjustable ±0.5”/13 mm)	$642.70
VSJ30	SS Pipe Mounting Band for 30”/762 mm ID pipes (adjustable ±0.5”/13 mm)	$720.30
VSJ32-40	SS Half-Pipe Mounting Band for 32-40”/813-1016 mm ID pipes	$675.95
VSJ42-54	SS Half-Pipe Mounting Band for 42-54”/1067-1372 mm ID pipes	$742.45
VSJ56-72	SS Half-Pipe Mounting Band for 56-72”/1422-1829 mm ID pipes	$792.30
VD6	SS Pipe Dam Band for 6”/152 mm ID pipes (fits ±0.5”/13 mm)	$266.70
VD8	SS Pipe Dam Band for 8”/203 mm ID pipes (fits ±0.5”/13 mm)	$311.15
VD10	SS Pipe Dam Band for 10”/254 mm ID pipes (adjustable ±0.5”/13 mm)	$511.15
VD12	SS Pipe Dam Band for 12”/305 mm ID pipes (adjustable ±0.5”/13 mm)	$538.88
VD14	SS Pipe Dam Band for 14”/356 mm ID pipes (adjustable ±0.5”/13 mm)	$538.88
VD15	SS Pipe Dam Band for 15”/381 mm ID pipes (adjustable ±0.5”/13 mm)	$583.35
VD16	SS Pipe Dam Band for 16”/406 mm ID pipes (adjustable ±0.5”/13 mm)	$583.35
VD18	SS Pipe Dam Band for 18”/457 mm ID pipes (adjustable ±0.5”/13 mm)	$627.80

Replacement Sensors - Please provide instrument serial number when ordering replacements

Code	Description	Price
QZ02L-SS-01-SD[1]	Standard submersible Velocity/Level Sensor, 316SS with 25 ft. / 7.6 m cable	$1050.00
QZ02L-SS-02-SD[1]	Optional submersible Velocity/Level Sensor, 316SS with 50 ft. / 15 m cable	$1,222.25
QZ02L-SS-03-SD[1]	Optional submersible Velocity/Level Sensor, 316SS with 100 ft. / 30 m cable	$1,577.80
QZ02L-SS-01-DP[1]	Submersible Velocity Sensor, 316SS with 25 ft. / 7.6 m cable	$822.25
QZ02L-SS-02-DP[1]	Submersible Velocity Sensor, 316SS with 50 ft. / 15 m cable	$988.90
QZ02L-SS-03-DP[1]	Submersible Velocity Sensor, 316SS with 100 ft. / 30 m cable	$1,344.45
PZ15-LP[2]	Non-contacting ultrasonic Level Sensor, PVC with 25 ft / 7.6 m cable	$667.15
PZ15-LP-25XC[2]	Non-contacting ultrasonic Level Sensor, PVC with 50 ft / 15 m cable	$694.45
PZ15-LP-75XC[2]	Non-contacting ultrasonic Level Sensor, PVC with 100 ft / 30 m cable	$744.45
PZ15	Non-contacting ultrasonic Level Sensor, PVC with 25 ft / 7.6 m cable	$667.15
PZ15-25XC	Non-contacting ultrasonic Level Sensor, PVC with 50 ft / 15 m cable	$694.45
PZ15-75XC	Non-contacting ultrasonic Level Sensor, PVC with 100 ft / 30 m cable	$744.45

[1] Sensors include MB-QZ mounting bracket

[2] Sensors include MB15 mounting bracket

Docusign Envelope ID: 5AAC3B0F-98D3-4FB6-846D-D8C2D7CC5C6F

Bigfoot Level-Velocity Transmitter

Model **Bigfoot __-___**

Approximate shipping weight: 4.4 lbs / 2 kg

STANDARD FEATURES:
Sensor cable - 50 ft (15 m) submersible 6-conductor, 18 ga.
Temperature compensation – automatic, continuous
Outputs – 4-20mA Velocity and 4-20mA Level, 1000 ohm at 24VDC
Power input – 10-26VDC, 150mA Max.
Sensor mounting – includes MB-BF stainless steel mounting bracket 1
Manual - Installation and Operation

BASE PRICE: $2,727.80

POWER INPUT

Standard – 10-26 VDC, 150mA Max	$0.00	A

SENSOR CABLE LENGTH

Standard 50 ft (15 m) continuous, 6-conductor	$0.00	1
Optional 100 ft (30 m) continuous, 6-conductor	$122.25	2

Docusign Envelope ID: 5AAC3B0F-98D3-4FB6-846D-D8C2D7CC5C6F

OPTIONS AND ACCESSORIES

Code	Description	Price
BXC	Additional 6-conductor cable (for extension past SENSOR CABLE LENGTH)	$2.44
BSJ12*	SS Pipe Mounting Band for 12”/300 mm ID pipes (adjustable ±0.5”/13 mm)	$516.70
BSJ14*	SS Pipe Mounting Band for 14”/350 mm ID pipes (adjustable ±0.5”/13 mm)	$516.70
BSJ15*	SS Pipe Mounting Band for 15”/375 mm ID pipes (adjustable ±0.5”/13 mm)	$561.15
BSJ16*	SS Pipe Mounting Band for 16”/400 mm ID pipes (adjustable ±0.5”/13 mm)	$605.60
BSJ18*	SS Pipe Mounting Band for 18”/450 mm ID pipes (adjustable ±0.5”/13 mm)	$605.60
BSJ20*	SS Pipe Mounting Band for 20”/500 mm ID pipes (adjustable ±0.5”/13 mm)	$605.60
BSJ24*	SS Pipe Mounting Band for 24”/600 mm ID pipes (adjustable ±0.5”/13 mm)	$644.45
BSJ30*	SS Pipe Mounting Band for 30”/750 mm ID pipes (adjustable ±0.5”/13 mm)	$722.25
BD12* SS Pipe Dam Band	for 12”/300 mm ID pipes (adjustable ±0.5”/13 mm)	$516.70
BD14* SS Pipe Dam Band	for 14”/350 mm ID pipes (adjustable ±0.5”/13 mm)	$516.70
BD15* SS Pipe Dam Band	for 15”/375 mm ID pipes (adjustable ±0.5”/13 mm)	$550.00
BD16*	SS Pipe Dam Band for 16”/400 mm ID pipes (adjustable ±0.5”/13 mm)	$550.00
BD18*	SS Pipe Dam Band for 18”/450 mm ID pipes (adjustable ±0.5”/13 mm)	$588.90
MB-BF	Additional submersible Bigfoot sensor mounting bracket, stainless steel	$88.90

* Lead time is 1-2 weeks ARO.

Docusign Envelope ID: 5AAC3B0F-98D3-4FB6-846D-D8C2D7CC5C6F

DFM 6.1 Doppler Flow Meter

Model Please configure model on next page

Approximate shipping weight: 11 lbs / 5 kg

STANDARD FEATURES:
SE4-A sensor - Clamp-on, single head ultrasonic for 0.5" to 180" (12.7 mm to 4.5 m) ID pipes
Sensor cable - 25 ft / 7.6 m shielded coaxial pair
Flow rate range: ± 0.1 to 40 ft/sec (± 0.03 to 12.2 m/sec) in fluids containing bubbles or solids with a minimum size of 100 microns and a minimum concentration of 75 ppm to act as acoustic reflectors
Accuracy: ± 2% of reading or ± 0.1 ft/sec (whichever is greater)
Installation: PC4 Sensor mounting clamp for 0.6" - 32" (15 - 800 mm) OD pipes Includes silicone coupling compound
Enclosure: watertight, NEMA4X (IP66) polyester and polycarbonate
Display: White, backlit matrix
Totalizer: 14 digit
Calibration: built-in 5-key programmer
Output: isolated 4-20mA (1000 ohm)
2 control relays: 5 amp, SPDT - programmable for flow proportional pulse output, and/or flow alarm
Datalogger: 128 Megabyte storage capacity (26 million points) Power input: 100-240VAC 50/60Hz, 10VA maximum
CE, UL/CSA/EN 61010-1

DFM 6.1 Doppler Flow Meter **Model** **DFM 6.1 ----------**

BASE PRICE: $3,844.45

POWER INPUT

Standard – 100-240VAC 50/60Hz, 10VA Maximum 9-	$0.00	A
32VDC, 10W Maximum	$116.70	B

ENCLOSURE & ELECTRONICS PROTECTION

Standard NEMA4X (IP66) polycarbonate	$0.00	1
NEMA4X polycarbonate enclosure with conformally coated electronics	$377.80	2
CXJ8106 – Explosion proof NEMA7 (CSA Class I, Div 1)[1]	$2,294.45	3
CXJ8106 – Explosion proof NEMA7 (ATEX/IECEx Ex db IIB+H2 Gb)[1]	$2,294.45	5

ENCLOSURE TEMPERATURE RATING

Standard (-5° to 140°F / -20° to 60°C)	$0.00	A
Heater and Thermostat 115VAC, 15 VA additional to Power Input (25 VA total)	$144.45	B
Heater and Thermostat 230VAC, 15 VA additional to Power Input (25 VA total)	$144.45	C

INTRINSIC SAFETY

Standard – SE4-A, Non-Incendive for Class I Div 2, Groups A,B,C,D	$0.00	1
QTY 2 ISB Intrinsic Safety Barriers for sensor installation in Class I, Div 1, Groups C,D; Class II, Groups E,F,G; Class III; Encl. Type 4	$900.00	2
QTY 2 ISB Intrinsic Safety Barriers for sensor installation in ATEX/IECEx Zone 0, Ex ia IIB T4 Ga	$900.00	3

***TRANSDUCERS* (each with 25ft / 7.6m cable)**

Standard – SE4-A Clamp-on Sensor (for 0.5"/12.5mm to 180" (4.5m) ID pipes)	$0.00	A

TRANSDUCER MOUNTING HARDWARE

Standard – PC4, Includes stainless bracket, mounting clamps, and coupling compund	$0.00	1

TRANSDUCER CABLE LENGTH

Standard – 25 ft. 7.6m	$0.00	A
50 ft / 15 m	$83.35	B
100 ft / 30 m	$216.70	C

SERIAL COMMUNICATIONS

Standard – None	$0.00	1
Modbus® RTU via RS-485 or HART (field selectable)	$350.00	2

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CONTROL RELAYS

2 – Standard	$0.00	A
4 Extra Relays (6 total), rated 5 amp SPDT, fully programmable	$266.70	B

[1] *Lead Time for a DFM 6.1 with this option is 2 weeks. Non-returnable & Non- refundable*

Docusign Envelope ID: 5AAC3B0F-98D3-4FB6-846D-D8C2D7CC5C6F

OPTIONS AND ACCESSORIES

Code	Description	Price
DXC	Extra sensor cable up to 500 ft / 152 m (RG174U shielded coaxial pair, price per foot)	$2.70
JB2X	Sensor cable Junction Box, NEMA4X (IP66) polycarbonate	$64.45
PM	Panel Mount Flange assembly	$161.15
SCR	Enclosure Sunscreen (iridite aluminum)	$45.60
PC4	Extra Sensor Mounting Kit with coupling tape and SS clamps for pipes up to 32” (80 cm)	$107.77
PC4S	PC4S Doppler Sensor Mounting Kit with Expansion Springs	$150.00
CT	Coupling Tape – lower maintenance for permanent installations, price per foot	$26.70
CC-SL30	Coupling Compound – Super Lube® Synthetic Grease 3.0 oz tube	$57.80
CC-SL30HT	Coupling Compound for Fluid Temp. > 120°C (250°F) – Super Lube® Dielectric Grease 3.0 oz tube	$64.45
SP2	Lightning/Surge Protection in NEMA4 Steel Enclosure	$988.90

Replacement Sensors - Please provide instrument serial number when ordering replacements

Code	Description	Price
SE4-A	Standard clamp-on Sensor with 25 ft / 7.6 m shielded coaxial pair	$755.60
SE4-A-25DXC	Clamp-on Sensor with 50 ft / 15 m length cable	$838.90
SE4-A-75DXC	Clamp-on Sensor with 100 ft / 30 m length cable	$966.70

Docusign Envelope ID: 5AAC3B0F-98D3-4FB6-846D-D8C2D7CC5C6F

DFS 5.1 Doppler Flow Switch

Model Please configure model on next page

Approximate shipping weight: 5 lbs / 3.6 kg

STANDARD FEATURES:
SE4 sensor - clamp-on ultrasonic for 0.5" to 180" (12.5 mm to 4.5 m) ID pipes
Sensor cable - 20 ft / 6 m shielded coaxial pair
installation - Silicone coupling compound
PCK2 stainless steel Pipe Clamp Kit for 0.5-16" / 12.5-406 mm OD pipes
Enclosure - watertight, dust-tight NEMA4X (IP67) polycarbonate
1 Relay - 5 ampere DPDT
Set point - On/Off adjustment 0.25 - 10 ft/sec (0.076 - 3 m/sec) Relay
time delay - adjustable, 0-80 seconds
Indication - Relay LED, Flow rate LED Bar Graph Power
input – 100-240VAC 50-60Hz
1 Manual - Installation and Operation

DFS 6.1 Doppler Flow Switch

Model **DFS 5.1 .....**

BASE PRICE: $1,327.80

POWER INPUT

Standard – 100-240VAC 50/60Hz	$0.00	A
12-24VDC	$161.15	B

SENSOR CABLE LENGTH **(with 20ft / 6m shielded coaxial cable)**

Standard – 25ft / 7.6m per Clamp-on Sensor (for 0.5"/12.5mm to 180" (4.5m) ID pipes)	$0.00	A
ft / 15 m	$83.35	B
100 ft / 30 m	$216.70	C

Docusign Envelope ID: 5AAC3B0F-98D3-4FB6-846D-D8C2D7CC5C6F

OPTIONS AND ACCESSORIES

Code	Description	Price
DXC	Extra sensor cable up to 500 ft / 152 m (RG174U shielded coaxial pair, price per foot)	$2.70
JB2X	Sensor cable Junction Box, NEMA4X (IP66) polycarbonate	$64.45
PCK2	Extra stainless steel Mounting Clamp Kit for 0.5-16 in (12.5-406 mm) OD pipes	$83.35
CT	Coupling Tape – lower maintenance for permanent installations (price per foot)	$26.70
CC-SL30	Coupling Compound – Super Lube® Synthetic Grease 3.0 oz tube	$57.80
CC-SL30HT	Coupling Compound for Fluid Temp. > 120°C (250°F) – Super Lube® Dielectric Grease 3.0 oz tube	$64.45

Replacement Sensors - Please provide instrument serial number when ordering replacements

Code	Description	Price
SE4	Standard clamp-on Sensor with 25 ft / 7.6 m shielded coaxial pair	$755.60
SE4-25DXC	Sensor with 50 ft / 15 m continuous cable	$838.90
SE4-75DXC	Sensor with 100 ft / 30 m continuous cable	$966.70

Docusign Envelope ID: 5AAC3B0F-98D3-4FB6-846D-D8C2D7CC5C6F

DLT 2.0 Differential Level Transmitter

Model Please configure model on next page

Approximate shipping weight: 11 lbs / 7 kg

STANDARD FEATURES:
Sensors – Qty 2, PZ15 ultrasonic, PVC, 15 ft / 4.5 m range
Sensor cable – 25 ft / 7.6 m coaxial
Enclosure - watertight, dust tight NEMA4X (IP66) polycarbonate
Programming - built-in 5-key programmer, Password protected Calibration - Level, Range, Differential Level and Open Channel Flow Display: White, backlit matrix Level/Differential/Flow, 12 digit Totalizer
2 control relays - 5 amp, SPDT - programmable for level control, differential control,
or flow proportional pulse Temperature compensation - automatic
Outputs – Qty 3, isolated 4-20mA (1000 ohm)
Power input - 100-240VAC 50/60Hz, 3 Watts maximum Surge protection - sensor, AC power and 4-20mA output

Docusign Envelope ID: 5AAC3B0F-98D3-4FB6-846D-D8C2D7CC5C6F

DLT 2.0 Differential Level Transmitter **Model DLT 2.0----------__**

BASE PRICE: $4,266.70

POWER INPUT

Standard – 100-240VAC 50/60Hz, 10VA Maximum 9-	$0.00	A
32VDC, 10W Maximum	$122.25	B

ENCLOSURE & ELECTRONICS PROTECTION

Standard NEMA4X (IP66) polycarbonate	$0.00	1

ENCLOSURE TEMPERATURE RATING

Standard (-5° to 140°F / -20° to 60°C)	$0.00	A
Heater and Thermostat 115VAC, 15 VA additional to Power Input (25 VA total)	$144.45	B
Heater and Thermostat 230VAC, 15 VA additional to Power Input (25 VA total)	$144.45	C

ELECTRONICS PROTECTION

Standard - No circuit board coating	$0.00	1
Conformal coating (partial - excludes power supply, display, and optional logger)	$305.60	2

***TRANSDUCERS* (each with 25ft / 7.6m cable)**

Standard – QTY-2 PZ15, PVC (8"/203.2mm deadband, 15ft/4.57m max range)	$0.00	D
~~QTY-2 PZ34, PVC (12"/304.8mm deadband, 32ft/10m max range)~~	~~$305.60~~	B

INTRINSIC SAFETY BARRIERS (built into electronics enclosure)

Standard, PZ sensor, Non-Incendive for Class I Div 2, Groups A,B,C,D	$0.00	1
QTY 2 Intrinsic Safety Barriers for PZ Sensor installation in Class I, Div 1, Groups C,D; Class II, Groups E,F,G; Class III; Encl. Type 4	$900.00	2

TRANSDUCER CABLE LENGTH

Standard – 25 ft. 7.6m (two sensors)	$0.00	A
50 ft / 15 m (two sensors)	$71.15	B
100 ft / 30 m (two sensors)	$142.25	C

Docusign Envelope ID: 5AAC3B0F-98D3-4FB6-846D-D8C2D7CC5C6F

DATA LOGGER

Standard – None	$0.00	1
Greyline Logger – 3 channel (A & B sensors plus Differential), 2 million point data Logger (with USB output, PC software)	$722.25	2

CONTROL RELAYS

2 – Standard	$0.00	A
4 Extra Relays (6 total), rated 5 amp SPDT, fully programmable	$266.70	B

Docusign Envelope ID: 5AAC3B0F-98D3-4FB6-846D-D8C2D7CC5C6F

OPTIONS AND ACCESSORIES

Code	Description	Price
XC	Extra sensor cable up to 500ft / 152m, price per foot	$1.00
JB4X	Sensor cable Junction Box for dual sensors, NEMA4X/IP66	$83.35
PM	Panel Mount Flange assembly .	$161.15
SCR	Enclosure Sunscreen (iridite aluminum)	$45.60
PZS	Sensor Sunscreen (iridite aluminum)	$21.15
SBMS1	Sensor Submergence Shield (PVC,)	$238.90
SP5	Lightning/Surge Protection in NEMA 13,12 Steel Enclosure	$1,455.60
CC-SL30	Coupling Compound – Super Lube® Synthetic Grease 3.0 oz tube	$667.15
CC-SL30HT	Coupling Compound for Fluid Temp. > 120°C (250°F) – Super Lube® Dielectric Grease 3.0 oz tube	$694.45
SP2	Lightning/Surge Protection in NEMA4 Steel Enclosure	$744.45

Replacement Single Sensors - Please provide instrument serial number when ordering replacements
Both sensors must be same model. Do not mix PZ15/PZ34

Code	Description	Price
PZ15	PVC, (8”/203mm deadband, 15ft/4.6m range) with 25ft/7.6m cable	$667.15
PZ15-25XC	PVC, (8”/203mm deadband, 15ft/4.6m range) with 50ft/15.2m cable	$694.45
PZ15-75XC	PVC, (8”/203mm deadband, 15ft/4.6m range) with 100ft/30.5m cable	$744.45
PZ34	PVC, (12”/305mm deadband, 32ft/10m range) with 25ft/7.6m cable	$838.90
PZ34-25XC	PVC, (12”/305mm deadband, 32ft/10m range) with 50ft/15.2m cable	$861.15
PZ34-75XC	PVC, (12”/305mm deadband, 32ft/10m range) with 100ft/30.5m cable	$916.20

Docusign Envelope ID: 5AAC3B0F-98D3-4FB6-846D-D8C2D7CC5C6F

ISM 5.0 Insertion Electromagnetic Meter

Model Please configure model on next page

Approximate shipping weight: 6 lbs / 2.7 kg

STANDARD FEATURES:
Quad-electrode sensor
Watertight, airtight, dust-proof cast aluminum electronics enclosure
Analog output – selectable 4-20mA, 0-5V or 0-10V
Frequency output – 0-500Hz, for remote display option
Pulse output – scalable
Power input – 20-28VDC or 20-28VAC
Signal cable length – 25 ft (7.6 m) multi-conductor, submersible NIST traceable calibration certificate
1 Manual - Installation and Operation

Docusign Envelope ID: 5AAC3B0F-98D3-4FB6-846D-D8C2D7CC5C6F

ISM 5.0 Insertion Electromagnetic Meter

Model **ISM 5.0 ----------**

BASE PRICE: $4,122.25

FLOW DIRECTION

Standard – Single Direction	$0.00	A
Bi-directional with 2 pulse outputs and flow direction relay	$377.80	B

POWER INPUT

Standard - 20-28VDC / 20-28VAC	$0.00	1

METER LENGTH (bottom of enclosure to bottom of sensor)

Standard - 20" (508mm) for 3-16" (DN 80-400) nominal pipes	$0.00	A
24" (610mm) for 18-72" (DN 450-1800) nominal pipes	$161.15	B
Custom	Inquire	C

Docusign Envelope ID: 5AAC3B0F-98D3-4FB6-846D-D8C2D7CC5C6F

OPTIONS AND ACCESSORIES

Separate additional length signal cable, submersible PVC jacketed, multi-conductor

Code	Description	Price
25 MXC	25 ft (7.6 m) length	$70.00
50 MXC	50 ft (15 m) length	$138.90
100 MXC	100 ft (30 m) length	$255.60

Grounding Rings and Probes

Code	Description	Price
HTGP2	1 Pair of Hot Tap Stainless Steel Grounding Probes (requires installation kit for each ground probe, ordered separately - see Options and Accessories section)	$538.90
HTGP1	1 (single) Hot Tap Stainless Steel Grounding Probe (requires installation kit for each ground probe, ordered separately - see Options and Accessories section)	$277.80
GR3	3" Pair of Grounding Rings, ANSI Class 150	$605.60
GR4	4" Pair of Grounding Rings, ANSI Class 150	$716.70
GR6	6" Pair of Grounding Rings, ANSI Class 150	$877.80
GR8	8" Pair of Grounding Rings, ANSI Class 150	$1,205.60
GR10	10" Pair of Grounding Rings, ANSI Class 150	$1,538.90
GR12	12" Pair of Grounding Rings, ANSI Class 150	$1,983.35
GR14	14" Pair of Grounding Rings, ANSI Class 150	$2,177.80
GR16	16" Pair of Grounding Rings, ANSI Class 150	$2,322.25
GR18	18" Pair of Grounding Rings, ANSI Class 150	$3,116.70
GR20	20" Pair of Grounding Rings, ANSI Class 150	$3,705.60
GR24	24" Pair of Grounding Rings, ANSI Class 150	$4,272.25

Remote Displays

Code	Description	Price
D-100-120	Microprocessor-based rate/total display with 2 auxiliary analog inputs, and bi-directional input. 120VAC input power.	$1,666.70
D-100-024	Microprocessor-based rate/total display with 2 auxiliary analog inputs, and bi-directional input. 120VAC input power.	$1,666.70
D-100-240	Microprocessor-based rate/total display with 2 auxiliary analog inputs, and bi-directional input. 120VAC input power.	$1,666.70
D-100-MOD-120	Microprocessor-based rate/total display with 2 auxiliary analog inputs, plus MODBUS®-RTU RS485 or TCP/ IP serial interface. 120VAC input power	$2,011.15
D-100-MOD-024	Microprocessor-based rate/total display with 2 auxiliary analog inputs, plus MODBUS®-RTU RS485 or TCP/ IP serial interface. 24VAC input power	$2,011.15
D-100-MOD-240	Microprocessor-based rate/total display with 2 auxiliary analog inputs, plus MODBUS®-RTU RS485 or TCP/ IP serial interface. 240VAC input power	$2,011.15
D-1201-01-120[1,2]	Display Module: 1 LCD, flow rate and/or total. 120VAC input power	$867.80
D-1201-01-024[1,2]	Display Module: 1 LCD, flow rate and/or total. 24VAC input power	$867.80
D-1201-01-240[1,2]	Display Module: 1 LCD, flow rate and/or total. 240VAC input power	$867.80

[1] FLOW DIRECTION = A only. Use the D-100 when FLOW DIRECTION = B

[2] Flow Rate and Total cannot be set for MGD and Gal x 1 Mil. Use D-100 for these requests

Docusign Envelope ID: 5AAC3B0F-98D3-4FB6-846D-D8C2D7CC5C6F

"STANDARD" Installation Kits (Dry Pipe Installation of Kit)

Carbon Steel Welded Pipe

Code	Kit Description	Kit Includes	Price
INSTL01DW-FMD	Installation kit for 3" and larger welded steel domestic water pipes (Valve & nipple comply with NSF/ANSI 61 & 372)	• 1" full port bronze ball valve • 1" weld-on carbon steel branch outlet • 1" brass close nipple	$161.15
INSTL01DW-FMD	Stainless steel installation kit for 31"" and larger welded steel pipe	• 1" full port SS ball valve • 1" weld-on carbon steel branch outlet • 1" SS close nipple	$277.80

Copper Tube

F-STD-INSTL4	Installation kit for 3" copper tube (Complies with NSF/ANSI 61 & 372)	• 1" full port bronze ball valve • 1"copper street adapter with MNPT threads • Copper tee with 1" outlet	$416.70
F-STD-INSTL9	Installation kit for 4" copper tube (Complies with NSF/ANSI 61 & 372)	• 1" full port bronze ball valve • 1"copper street adapter with MNPT threads • Copper tee with 1" outlet	$677.80

"HOT TAP" Installation Kits (Dry or Wet Pipe Installation of Kit)

Carbon Steel Welded Pipe

Code	Kit Description	Kit Includes	Price
INSTL02DW-FMH	Hot tap installation kit for 3" and larger welded steel domestic water pipes (Valve, nipple & bushing comply with NSF/ANSI 61 & 372)	• 1 ¼" full port bronze ball valve • 1 ¼" brass close nipple • 1 ¼" x 1" brass reducing bushing • 1 ¼" weld-on carbon steel branch outlet	$238.90
INSTL0006-FMH	Stainless steel hot tap installation kit for 3" and larger welded steel pipe	• 1 ¼" full port SS ball valve • 1 ¼" SS close nipple • 1 ¼" x 1" SS reducing bushing • 1 ¼" weld-on carbon steel branch outlet	$355.60

Copper Tube

INSTL019A-FMH	Hot tap installation kit for Sch Std, Sch 40 or Sch 80 steel or PVC pipe (3" to 6") (Complies with NSF/ANSI 61 & 372)	• 1 ¼" full port bronze ball valve • 1 ¼" brass close nipple • 1 ¼" x 1" brass reducing bushing • Ductile iron saddle with 1 ¼" outlet	$427.80
INSTL019B-FMH	Hot tap installation kit for Sch Std, Sch 40 or Sch 80 steel or PVC pipe (8" to 14") (Complies with NSF/ANSI 61 & 372)	• 1 ¼" full port bronze ball valve • 1 ¼" brass close nipple • 1 ¼" x 1" brass reducing bushing • Ductile iron saddle with 1 ¼" outlet	$527.80

Copper Tube With Saddles

INSTL0022-FMH	Hot tap installation kit for 3" to 6" copper tube. (Complies with NSF/ANSI 61 & 372)	• 1 ¼" full port bronze ball valve • 1 ¼" brass close nipple • 1 ¼" x 1" brass reducing bushing • SS saddle with 1 ¼" outlet	$644.45

HDPE/PPR Pipe

INSTL5002-FMH	Hot tap installation kit for pipe size range 3" to 42". Customer provides their own 1 ¼" female NPT pipe outlet. (Complies with NSF/ANSI 61 & 372)	• 1 ¼" full port bronze ball valve • 1 ¼" brass close nipple • 1 ¼" x 1" brass reducing bushing	$322.25

Stainless Steel

F-HTAP-INSTL31	Hot tap installation kit for 1 ¼" and larger welded stainless steel pipe	• 1 ¼" full port 316 SS ball valve • 1 ¼" 316 SS close nipple • 1 ¼" x 1" 316 SS reducing bushing • 1 ¼" weld-on 316 SS branch outlet	$583.35

Important Note: For installation in any pipe not referenced above, it is up to the installer to provide either a 1" or 1 ¼" female NPT pipe outlet so that one of the above kits can be used, or a complete valve assembly already installed on the pipe, at least 1" full-port. The ISM installs into a 1" female NPT thread, so if the

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existing valve assembly is larger than 1” NPT, a reducer bushing can be installed so that the meter can be inserted.

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LIT25 Level Indicating Transmitter

Model Please configure model on next page

Approximate shipping weight: 4 lbs / 2.7 kg

STANDARD FEATURES:
Sensor – PZ32T, PVC and Teflon, 32ft / 10 m range
Sensor cable – 25 ft / 7.6m coaxial
Enclosure - watertight, dust tight NEMA4X (IP67) polycarbonate
Programming - built-in 2 button keypad
Calibration - selectable Level or Range mode
Display - large 4-digit LCD - inches, cm or percent
Temperature compensation - automatic
Output - isolated 4-20mA (1000 ohm)
1 signal Relay - 1 amp, for ON/OFF level control, temperature or echo loss
Power input - 100-130VAC 50/60Hz, 5 watts maximum
Electrical surge protection - sensor, AC power and 4-20mA output

Docusign Envelope ID: 5AAC3B0F-98D3-4FB6-846D-D8C2D7CC5C6F

LIT25 Level Indicating Transmitter

Model **LIT25 ---------- ___**

BASE PRICE: $1,888.90

POWER INPUT

Standard – 100-130VAC 50/60Hz	$0.00	A
200-250VAC 50/60Hz	$0.00	B
24VDC	$116.70	C
12VDC	$116.70	D

ELECTRONICS PROTECTION

Standard - no circuit board coating or enclosure heater	$0.00	1
Conformal Coating (“tropicalized”) for moist atmospheres	$116.70	2
Enclosure Heater and Thermostat (AC only, 15 Watts)	$144.45	3
Enclosure Heater and Thermostat (AC only), plus conformal coating	$244.45	4

SENSOR (with 25ft/7.6m cable and built-in temperature compensation)

Standard PZ32T, PVC and Teflon (32 ft / 10 m range on liquids)	$0.00	A
PZ32TE All Teflon (32 ft / 10 m range on liquids)	$194.45	E
PZ34T4F Flange Mount, 4” with Teflon face (32 ft/10m range)	$627.80	F
PZ34T6F Flange Mount, 6” with Teflon face (32 ft/10m range)	$677.80	G
PZ34 PVC (16” / 406.4 mm deadband, 32 ft / 10 m range on liquids)	$161.15	L
PZ15 PVC (8” / 203.2 mm deadband, 15’ / 4.57 m Max. range)	$0.00	M
PZ15-LP Low-Profile, PVC (8” / 203.2 mm deadband, 15’ / 4.57 m Max. range)	$0.00	N

INTRINSIC SAFETY

Standard (General Purpose locations / not Intrinsically Safe)	$0.00	1
ISB Intrinsic Safety Barrier for any Ultrasonic Sensor rated for Class I, Div 1, Groups C,D; Class II, Groups E,F,G; Class III; Encl. Type 4	$450.00	2

TRANSDUCER CABLE LENGTH

Standard length 25 ft / 7.6 m	$0.00	A
50 ft / 15 m	$35.60	B
100 ft / 30 m	$71.15	C

Docusign Envelope ID: 5AAC3B0F-98D3-4FB6-846D-D8C2D7CC5C6F

OPTIONS AND ACCESSORIES

Code	Description	Price
XC	Extra sensor cable up to 500 ft / 152 m, price per foot	$1.00
JB2X	Sensor cable Junction Box, NEMA4X/IP66 polycarbonate	$64.45
SNUB	Snubber – Noise Suppresser for Relay	$21.15
PZS	Sensor Sunscreen (iridite aluminum)	$21.15
SBMS[1]	Sensor Submergence Shield (PVC)	$222.25
SP1	Lightning/Surge Protection in NEMA13,12 Steel Enclosure	$811.15

[1] Only compatible with PZ15 and PZ34 sensors

SPARE/REPLACEMENT ULTRASONIC SENSORS (25 ft / 7.6 m Cable and Temperature Compensation)

****IMPORTANT – Provide Instrument Serial number when ordering replacements***

Code	Description	Price
PZ32T	PVC & Teflon (12”/305mm deadband, 32ft/10m range) with 25ft/7.6m cable	$667.15
PZ32T-25XC	PVC & Teflon (12”/305mm deadband, 32ft/10m range) with 50ft/15.2m cable	$694.45
PZ32T-75XC	PVC $ Teflon (12”/305mm deadband, 32ft/10m range) with 100ft/30.5m cable	$744.45
PZ32TE	All Teflon (same specs as PZ32T, but rated to 170°F/76°C)	$911.15
PZ32TE-25XC	All Teflon (same specs as PZ32T-25XC, but rated to 170°F/76°C)	$933.35
PZ32TE-75XC	All Teflon (same specs as PZ32T-75XC, but rated to 170°F/76°C)	$977.80
PZ34	PVC, (12”/305mm deadband, 32ft/10m range) with 25ft/7.6m cable	$838.90
PZ34-25XC	PVC, (12”/305mm deadband, 32ft/10m range) with 50ft/15.2m cable	$861.15
PZ34-75XC	PVC, (12”/305mm deadband, 32ft/10m range) with 100ft/30.5m cable	$883.35
PZ34T4F	Flange Mount, 4” with Teflon face (32 ft/10m range) with 25ft/7.6m cable	$1,366.70
PZ34T4F-25XC	Flange Mount, 4” with Teflon face (32 ft/10m range) with 50ft/15.2m cable	$1,394.45
PZ34T4F-75XC	Flange Mount, 4” with Teflon face (32 ft/10m range) with 100ft/30.5m cable	$1,438.90
PZ34T6F	Flange Mount, 6” with Teflon face (32 ft/10m range) with 25ft/7.6m cable	$1,422.25
PZ34T6F-25XC	Flange Mount, 6” with Teflon face (32 ft/10m range) with 50ft/15.2m cable	$1,450.00
PZ34T6F-75XC	Flange Mount, 6” with Teflon face (32 ft/10m range) with 100ft/30.5m cable	$1,500.00
PZ15	PVC, (8”/203mm deadband, 15ft/4.6m range) with 25ft/7.6m cable	$1094.45
PZ15-25XC	PVC, (8”/203mm deadband, 15ft/4.6m range) with 50ft/15.2m cable	$1,116.70
PZ15-75XC	PVC, (8”/203mm deadband, 15ft/4.6m range) with 100ft/30.5m cable	$1,161.15
PZ15-LP[2]	Low profile, PVC with 25 ft / 7.6 m cable	$667.15
PZ15-LP-25XC[2]	Low profile, PVC with 50 ft / 15 m cable	$694.45
PZ15-LP-75XC[2]	Low profile, PVC with 100 ft / 30 m cable	$744.45

[2] Sensors include MB15 mounting bracket

Docusign Envelope ID: 5AAC3B0F-98D3-4FB6-846D-D8C2D7CC5C6F

MantaRay Protable Area-Velocity Flow Meter

Model **MantaRay**

Approximate shipping weight: 14 lbs / 4.5 kg

BASE PRICE: $6,983.35

STANDARD FEATURES:
QZ02L submersible ultrasonic Level-Velocity Sensor
Sensor cable – 25 ft / 7.6 m shielded tri-coaxial
MB-QZ sensor mounting bracket - stainless steel
Enclosure - watertight, airtight, dust proof (IP 67) polycarbonate
Display – white backlit matrix LCD
Battery – built-in rechargeable NiMH, 10,000 mAH
Power input – 100-240VAC charger, 24VDC external battery
Outputs – 4-20mA/0-5VDC, 2 programmable solid-state relays
Breakout box – connections for charger, DC power, relays and 4-20mA
Data logger – 2 million data point capacity with USB output to Flash drive
'Greyline Logger' PC software for Windows™
1 Manual - Installation and Operation

Docusign Envelope ID: 5AAC3B0F-98D3-4FB6-846D-D8C2D7CC5C6F

OPTIONS AND ACCESSORIES

Code	Description	Price
PVXC5	Sensor Cable Extension 50 ft / 15 m with watertight connectors	$438.90
QZ02L-SS-01-PS[1]	Spare/replacement Sensor with 25' (7.6 m) cable	$1,166.70
MB-QZ	Extra submersible sensor Mounting Bracket, stainless steel	$51.15
MRBB1	Replacement Breakout Box	$311.15
RENT	Monthly rental (* Requires purchase of QZ02L sensor. Rentals only allowed in United States and Canada)	$1,238.90
VSJ6	SS Pipe Mounting Band for 6"/152 mm ID pipes (fits ±0.5"/13 mm)	$244.45
VSJ8	SS Pipe Mounting Band for 8"/203 mm ID pipes (fits ±0.5"/13 mm)	$283.35
VSJ10	SS Pipe Mounting Band for 10"/254 mm ID pipes (adjustable ±0.5"/13 mm)	$483.35
VSJ12	SS Pipe Mounting Band for 12"/305 mm ID pipes (adjustable ±0.5"/13 mm)	$522.25
VSJ14	SS Pipe Mounting Band for 14"/356 mm ID pipes (adjustable ±0.5"/13 mm)	$522.25
VSJ15	SS Pipe Mounting Band for 15"/381 mm ID pipes (adjustable ±0.5"/13 mm)	$561.15
VSJ16	SS Pipe Mounting Band for 16"/406 mm ID pipes (adjustable ±0.5"/13 mm)	$561.15
VSJ18	SS Pipe Mounting Band for 18"/457 mm ID pipes (adjustable ±0.5"/13 mm)	$605.60
VSJ20	SS Pipe Mounting Band for 20"/508 mm ID pipes (adjustable ±0.5"/13 mm)	$605.60
VSJ24	SS Pipe Mounting Band for 24"/610 mm ID pipes (adjustable ±0.5"/13 mm)	$644.45
VSJ30	SS Pipe Mounting Band for 30"/762 mm ID pipes (adjustable ±0.5"/13 mm)	$722.25
VSJ32-40	SS Half-Pipe Mounting Band for 32-40"/813-1016 mm ID pipes	$677.80
VSJ42-54	SS Half-Pipe Mounting Band for 42-54"/1067-1372 mm ID pipes	$744.45
VSJ56-72	SS Half-Pipe Mounting Band for 56-72"/1422-1829 mm ID pipes	$794.45
VD6	SS Pipe Dam Band for 6"/152 mm ID pipes (fits ±0.5"/13 mm)	$266.70
VD8	SS Pipe Dam Band for 8"/203 mm ID pipes (fits ±0.5"/13 mm)	$311.15
VD10	SS Pipe Dam Band for 10"/254 mm ID pipes (adjustable ±0.5"/13 mm)	$511.15
VD12	SS Pipe Dam Band for 12"/305 mm ID pipes (adjustable ±0.5"/13 mm)	$538.90
VD14	SS Pipe Dam Band for 14"/356 mm ID pipes (adjustable ±0.5"/13 mm)	$538.90
VD15	SS Pipe Dam Band for 15"/381 mm ID pipes (adjustable ±0.5"/13 mm)	$583.35
VD16	SS Pipe Dam Band for 16"/406 mm ID pipes (adjustable ±0.5"/13 mm)	$583.35
VD18	SS Pipe Dam Band for 18"/457 mm ID pipes (adjustable ±0.5"/13 mm)	$627.80

[1] Includes MB-QZ Mounting Bracket

Docusign Envelope ID: 5AAC3B0F-98D3-4FB6-846D-D8C2D7CC5C6F

OCF 6.1

Model Please configure model on next page

Open Channel Flow and Tank Level Meter

Approximate shipping weight: 10 lbs / 4.5 kg

STANDARD FEATURES:
Sensor – open channel flow: PZ15, PVC, 15' / 4.57m max. range tank level: PZ32T, PVC and Teflon, 32' / 10m max range
Sensor cable – 25 ft / 7.6 m coaxial
Enclosure - watertight, NEMA4X (IP66) polycarbonate
Power input - 100-240VAC 50/60Hz, 10VA maximum
Display - White, backlit matrix
Totalizer - 12 digit
Configuration - built-in 5-key programmer
Data logger – 26 million point capacity, free software for reporting
Analog output - isolated 4-20mA (1000 ohm)
2 control relays - 5 amp, SPDT - programmable for flow
Proportional pulse output, and/or flow alarm
CE, UL/CSA/EN 61010-1

OCF 6.1 Open Channel Flow and Tank Level Meter

Model OCF 6.1 ----------

BASE PRICE: $2,727.80

POWER INPUT

Standard – 100-240VAC 50/60Hz, 10VA Maximum 9-	$0.00	A
32VDC, 10W Maximum	$116.70	B

ENCLOSURE & ELECTRONICS PROTECTION

Standard NEMA4X (IP66) polycarbonate	$0.00	1
NEMA4X polycarbonate enclosure with conformally coated electronics	$377.80	2
CXJ8106 – Explosion proof NEMA7 (CSA Class I, Div 1)[1]	$2,294.45	3

ENCLOSURE TEMPERATURE RATING

Standard (-5° to 140°F / -20° to 60°C)	$0.00	A
INTRINSIC SAFETY		
Heater and Thermostat 115VAC, 15 VA additional to Power Input (25 VA total)	$144.45	B
Standard – QZ02L for non-hazardous locations only	$0.00	1
QTY 1 ISB Intrinsic Safety Barriers for sensor installation in Class I, Div 1 Groups C,D; Class II, Groups E,F,G; Class III; Encl. Type 4	$430.00	2
Heater and Thermostat 230VAC, 15 VA additional to Power Input (25 VA total)	$145.45	C

***TRANSDUCERS* (each with 25ft / 7.6m cable)**

Standard Open Channel Flow - PZ15 PVC (8” / 203.2 mm deadband, 15’ / 4.57 m Max. range)	$0.00	D
Standard Tank Level - PZ32T, PVC and Teflon (32 ft / 10 m range on liquids)	$0.00	A
ADDITIONAL OPEN CHANNEL FLOW AND TANK LEVEL OPTIONS, SEE NEXT PAGE		

TRANSDUCER MOUNTING HARDWARE

Standard – All sensors include 3/4” female NPT coupler	$0.00	1

TRANSDUCER CABLE LENGTH

Standard – 25 ft. 7.6m	$0.00	A
50 ft / 15 m	$35.60	B
100 ft / 30 m	$71.15	C

Docusign Envelope ID: 5AAC3B0F-98D3-4FB6-846D-D8C2D7CC5C6F

SERIAL COMMUNICATIONS

Standard – None	$0.00	1
Modbus® RTU via RS-485	$350.00	2

CONTROL RELAYS

2 – Standard	$0.00	A
4 Extra Relays (6 total), rated 5 amp SPDT, fully programmable	$266.70	B

Docusign Envelope ID: 5AAC3B0F-98D3-4FB6-846D-D8C2D7CC5C6F

ADDITIONAL TRANSDUCER OPTIONS (FILL IN ON PREVIOUS PAGE, TRANSDUCERS SECTION)

Open Channel Flow		
PZ15-LP Low-profile, PVC (8” / 203.2mm deadband, 15’ / 4.57m max range (Includes stainless steel mounting bracket instead of ½” NPT coupler)	$0.00	GL

Tank Level		
PZ32TE All Teflon (32 ft / 10m range, rated to temperature 170°F/76°C)	$194.45	E
PZ34 PVC (16” / 406.4 mm deadband, 32 ft / 10m range on liquids)	$161.15	B
PZ34T4F Flange Mount, 4” with Teflon face (16” / 406.4 mm deadband,32 ft/10m range)	$627.80	B4
PZ34T6F Flange Mount, 6” with Teflon face (32 ft/10m range)	$677.80	B6

Docusign Envelope ID: 5AAC3B0F-98D3-4FB6-846D-D8C2D7CC5C6F

OPTIONS AND ACCESSORIES

Code	Description	Price
XC	Extra sensor cable up to 500ft / 152m (price is per foot)	$1.00
JB2X	Sensor cable Junction Box, NEMA4X (IP66) polycarbonate	$64.45
SMS	Sensor Mounting Stand (for Open Channel applications) **NOTE:** Width required to span flume/weir/stilling well and height required when ordering. See SMS datasheet on Pulsar website for more details.	$305.60
PM	Enclosure Panel Mount Flange assembly	$161.15
SCR	Enclosure Sunscreen (iridite aluminum)	$45.60
PZS	Sensor Sunscreen (iridite aluminum)	$21.15
SBMS[1]	Sensor Submergence Shield (PVC)	$238.90
SP1	Lightning/Surge Protection in NEMA13,12 Steel Enclosure	$811.15

[1] Only compatible with PZ15 and PZ34 sensors

Spare/*Replacement Sensors below - (25ft/7.6m cable and temperature compensation)*
**Provide instrument serial number when ordering replacements*

Code	Description	Price
PZ32T	PVC & Teflon (12”/305mm deadband, 32ft/10m range) with 25ft/7.6m cable	$667.15
PZ32T-25XC	PVC & Teflon (12”/305mm deadband, 32ft/10m range) with 50ft/15.2m cable	$694.45
PZ32T-75XC	PVC $ Teflon (12”/305mm deadband, 32ft/10m range) with 100ft/30.5m cable	$744.45
PZ32TE	All Teflon (same specs as PZ32T, but rated to 170°F/76°C)	$888.90
PZ32TE-25XC	All Teflon (same specs as PZ32T-25XC, but rated to 170°F/76°C)	$933.35
PZ32TE-75XC	All Teflon (same specs as PZ32T-75XC, but rated to 170°F/76°C)	$977.80
PZ34	PVC, (12”/305mm deadband, 32ft/10m range) with 25ft/7.6m cable	$838.90
PZ34-25XC	PVC, (12”/305mm deadband, 32ft/10m range) with 50ft/15.2m cable	$861.15
PZ34-75XC	PVC, (12”/305mm deadband, 32ft/10m range) with 100ft/30.5m cable	$883.35
PZ34T4F	Flange Mount, 4” with Teflon face (32 ft/10m range) with 25ft/7.6m cable	$1,366.70
PZ34T4F-25XC	Flange Mount, 4” with Teflon face (32 ft/10m range) with 50ft/15.2m cable	$1,394.45
PZ34T4F-75XC	Flange Mount, 4” with Teflon face (32 ft/10m range) with 100ft/30.5m cable	$1,438.90
PZ34T6F	Flange Mount, 6” with Teflon face (32 ft/10m range) with 25ft/7.6m cable	$1,422.25
PZ34T6F-25XC	Flange Mount, 6” with Teflon face (32 ft/10m range) with 50ft/15.2m cable	$1,450.00
PZ34T6F-75XC	Flange Mount, 6” with Teflon face (32 ft/10m range) with 100ft/30.5m cable	$1,500.00
PZ15	PVC, (8”/203mm deadband, 15ft/4.6m range) with 25ft/7.6m cable	$667.15
PZ15-25XC	PVC, (8”/203mm deadband, 15ft/4.6m range) with 50ft/15.2m cable	$694.45
PZ15-75XC	PVC, (8”/203mm deadband, 15ft/4.6m range) with 100ft/30.5m cable	$744.45
PZ15-LP1	Low profile, PVC with 25 ft / 7.6 m cable	$667.15
PZ15-LP-25XC[2]	Low profile, PVC with 50 ft / 15 m cable	$694.45
PZ15-LP-75XC[2]	Low profile, PVC with 100 ft / 30 m cable	$744.45

[2] Sensors include MB15 mounting bracket

Docusign Envelope ID: 5AAC3B0F-98D3-4FB6-846D-D8C2D7CC5C6F

PDFM 5.1 Protable Doppler Flow Meter

Model **PDFM 5.1**

Approximate shipping weight: 14 lbs / 4.5 kg

BASE PRICE: $6,355.60

STANDARD FEATURES:
PSE4 sensor - strap-on, single head ultrasonic for 0.5" - 180" (12.5 mm to 4.5 m) ID pipes or larger
Sensor cable - 12 ft / 3.5 m shielded coaxial pair
PC4 Sensor mounting kit with CC30 coupling compound and stainless steel clamps for pipes up to 32" (80 cm)
Enclosure - portable ABS with rugged IP67 carry case
Display - white, backlit matrix LCD
Calibration - built-in 5-key programmer
Sensitivity - adjustable cutoff
Damping - keypad adjustable
Signal strength indication
Power input- built-in NiMH battery for up to 18 hours operation
- external charger with 100-240VAC power input
Outputs - 4-20mA, USB
Data logger - fully programmable 300,000 point capacity
'Greyline Logger' PC software for Windows™
1 set cables - 4-20mA and USB
1 Manual - Installation and Operation

Docusign Envelope ID: 5AAC3B0F-98D3-4FB6-846D-D8C2D7CC5C6F

OPTIONS AND ACCESSORIES

Code	Description	Price
PXC4	Sensor Cable Extension 50 ft / 15 m with connectors	$216.70
PC4	Extra Sensor Mounting Kit with Couplant and SS clamps for pipes up to 32” (80 cm)	$107.80
CC-SL30	Coupling Compound – Super Lube® Synthetic Grease 3.0 oz tube	$57.80
CC-SL30HT	Coupling Compound for Fluid Temp. > 120°C (250°F) – Super Lube® Dielectric Grease 3.0 oz tube	$64.45
PSA	Replacement Charger with 100-240VAC Power Input	$76.70

REPLACEMENT SENSORS (each with 12 ft. / 3.5 m shielded coaxial cable)

** Provide Instrument Serial number when ordering replacements*

PSE4	Standard Sensor for 0.5” (12.5 mm) ID pipes or larger	$744.45

RENTAL – Available in United States & Canada Only - Minimum billing: 1 month - 80% credit of rental towards purchase

RENT	Monthly Rate for standard model	$1,238.90

Docusign Envelope ID: 5AAC3B0F-98D3-4FB6-846D-D8C2D7CC5C6F

PSL 5.0 Pump Station Level Controller

Model Please configure model on next page

Approximate shipping weight: 10 lbs / 4.5 kg

STANDARD FEATURES:
Sensor – PZ34, PVC, 32ft / 10 m range
Sensor cable - 25ft / 7.6m coaxial
Auxiliary sensor – accepts redundant 4-20mA sensor connectionn
Temperature compensation - automatic
Enclosure - watertight, dust tight NEMA4X (IP66) polycarbonate
Programming - built-in 5 button keypad, Password protected
Calibration – Level, Range or Volume in selectable Units Display - white, backlit matrix LCD
6 relays - 5 ampere SPDT, programmable level alarm and/or pump control modes, pump alternation/sequencing, failsafe/echo-loss, temperature alarm
Outputs - isolated 4-20mA (1000 ohm)
Report logger - pump Run Time report
Power input - 100-240VAC 50/60Hz, 3 Watts with standard features Surge protection - sensor, AC power and 4-20mA output
1 Manual - Installation and Operation

Docusign Envelope ID: 5AAC3B0F-98D3-4FB6-846D-D8C2D7CC5C6F

PSL 5.0 Pump Station Level Controller

Model **PSL 5.0----------**

BASE PRICE: $3,077.80

POWER INPUT

Standard – 100-240VAC 50/60Hz, 10VA Maximum	$0.00	A
9-32VDC, 10W Maximum	$116.70	B

ENCLOSURE & ELECTRONICS PROTECTION

Standard NEMA4X (IP66) polycarbonate	$0.00	1
CXJ8106 - Explosion proof NEMA7 (non-returnable & non-refundable)	$2,294.45	2

ENCLOSURE TEMPERATURE RATING

Standard (-5 to 140°F / -20 to 60°C)	$0.00	A
Heater and Thermostat, 115VAC, 15 Watts	$144.45	B
Heater and Thermostat, 230VAC, 15 Watts	$144.45	C

ELECTRONICS PROTECTION

Standard - No circuit board coating	$0.00	1
Conformal coating ("tropicalized" for humid atmospheres	$145.00	2

***TRANSDUCERS* (each with 25ft / 7.6m cable)**

Standard PZ34 PVC (16" / 406.4 mm deadband, 32 ft / 10 m range on liquids)	$0.00	B
PZ32T PVC and Teflon (12" / 305 mm deadband, 32 ft / 10 m range on liquids)	$0.00	A
PZ32TE All Teflon (32 ft / 10m range, rated to temperature 170°F/76°C)	$194.45	E
PZ34T4F Flange Mount, 4" with Teflon face (32 ft/10m range)	$627.80	B4
PZ34T6F Flange Mount, 6" with Teflon face (32 ft/10m range)	$677.80	B6
PZ15 PVC (8" / 203.2 mm deadband, 15' / 4.57 m Max. range)	$0.00	D
PZ15-LP Low-Profile, PVC (8" / 203.2 mm deadband, 15' / 4.57 m Max. range)	$0.00	GL

INTRINSIC SAFETY BARRIERS (built into electronics enclosure)

Standard, PZ sensor, Non-Incendive for Class I Div 2, Groups A,B,C,D ISI	$0.00	1
Intrinsic Safety Barrier for ultrasonic sensor and cable for installation in Class I, Div 1, Groups C,D; Class II, Groups E,F,G; Class III;	$450.00	2
QTY 2 Intrinsic Safety Barriers for ultrasonic + KLR750 pressure sensor and cable for installation in Class I, Div 1, Groups C,D; Class II, Groups E,F,G; Class III;	$894.45	3

TRANSDUCER CABLE LENGTH

Standard – 25 ft. 7.6m	$0.00	A
50 ft / 15 m	$35.60	B
100 ft / 30 m	$71.15	C

DATA LOGGER

Standard – None	$0.00	1
Greyline Logger – 3 channel (A & B sensors plus Differential), 2 million point data Logger (with USB output, PC software)		

Docusign Envelope ID: 5AAC3B0F-98D3-4FB6-846D-D8C2D7CC5C6F

	$722.25	2

Docusign Envelope ID: 5AAC3B0F-98D3-4FB6-846D-D8C2D7CC5C6F

OPTIONS AND ACCESSORIES

Code	Description	Price
XC	Extra sensor cable up to 500ft / 152m (price is per foot)	$1.00
JB2X	Sensor cable Junction Box, NEMA4X (IP66) polycarbonate	$64.45
PM	Panel Mount Flange assembly	$161.15
SCR	Enclosure Sunscreen (iridite aluminum)	$45.60
PZS	Sensor Sunscreen (iridite aluminum)	$21.15
SBMS[1]	Sensor Submergence Shield (PVC)	$238.90
SP1	Lightning/Surge Protection in NEMA13,12 Steel Enclosure	$811.15

[1] Only compatible with PZ15 and PZ34 sensors

SPARE/REPLACEMENT SENSORS (25 ft / 7.6m cable and temperature compensation)
**Provide Instrument Serial number when ordering replacements*

Code	Description	Price
KLR750	Submersible Pressure Transducer with 50 ft / 15.2 m vented cable	$1,405.60
PZ34	PVC, (12”/305mm deadband, 32ft/10m range) with 25ft/7.6m cable	$838.90
PZ34-25XC	PVC, (12”/305mm deadband, 32ft/10m range) with 50ft/15.2m cable	$861.15
PZ34-75XC	PVC, (12”/305mm deadband, 32ft/10m range) with 100ft/30.5m cable	$883.35
PZ32T	PVC & Teflon (12”/305mm deadband, 32ft/10m range) with 25ft/7.6m cable	$667.15
PZ32T-25XC	PVC & Teflon (12”/305mm deadband, 32ft/10m range) with 50ft/15.2m cable	$694.45
PZ32T-75XC	PVC $ Teflon (12”/305mm deadband, 32ft/10m range) with 100ft/30.5m cable	$744.45
PZ32TE	All Teflon (same specs as PZ32T, but rated to 170°F/76°C)	$911.15
PZ32TE-25XC	All Teflon (same specs as PZ32T-25XC, but rated to 170°F/76°C)	$933.35
PZ32TE-75XC	All Teflon (same specs as PZ32T-75XC, but rated to 170°F/76°C)	$977.80
PZ34T4F	Flange Mount, 4” with Teflon face (32 ft/10m range) with 25ft/7.6m cable	$1,366.70
PZ34T4F-25XC	Flange Mount, 4” with Teflon face (32 ft/10m range) with 50ft/15.2m cable	$1,394.45
PZ34T4F-75XC	Flange Mount, 4” with Teflon face (32 ft/10m range) with 100ft/30.5m cable	$1,438.90
PZ34T6F	Flange Mount, 6” with Teflon face (32 ft/10m range) with 25ft/7.6m cable	$1,422.25
PZ34T6F-25XC	Flange Mount, 6” with Teflon face (32 ft/10m range) with 50ft/15.2m cable	$1,450.00
PZ34T6F-75XC	Flange Mount, 6” with Teflon face (32 ft/10m range) with 100ft/30.5m cable	$1,500.00
PZ15	PVC, (8”/203mm deadband, 15ft/4.6m range) with 25ft/7.6m cable	$667.15
PZ15-25XC	PVC, (8”/203mm deadband, 15ft/4.6m range) with 50ft/15.2m cable	$694.45
PZ15-75XC	PVC, (8”/203mm deadband, 15ft/4.6m range) with 100ft/30.5m cable	$744.45
PZ15-LP1	Low profile, PVC with 25 ft / 7.6 m cable	$667.15
PZ15-LP-25XC[2]	Low profile, PVC with 50 ft / 15 m cable	$694.45
PZ15-LP-75XC[2]	Low profile, PVC with 100 ft / 30 m cable	$744.45

[2] Sensors include MB15 mounting bracket

Docusign Envelope ID: 5AAC3B0F-98D3-4FB6-846D-D8C2D7CC5C6F

PTFM 6.1 Portable Ultrasonic Transit Time Flow Meter

Approximate shipping weight: 12lbs / 5.5 kg

STANDARD FEATURES:
Pair of SE16B ultrasonic transducers -
clamp-on for 2" to 10" (50 mm to 250 mm) pipes
Sensor cables – 1 pair, 12 ft / 3.66 m triaxial with connectors
Flow rate range - ± 0.1 to 40 ft/sec (± 0.02 to 12 m/sec)
Accuracy - ±1.0% of flow rate from 1.5 to 40 ft/sec (0.03 to 12 m/sec)
± 0.015 ft/sec (±0.0046 m/s) below 1.5 ft/sec (0.46 m/s)
Installation Hardware – Suitable kit Included with each transducer. Universal parts include Super Lube® Synthetic Grease, sanding block, mylar sleeve, and black Sharpie® marker
Carry Case – IP67 with protective molded foam inserts for all transducer combinations Electronics – Aluminum with protective silicone end covers, IP67 with sensor cables connected Display – Color TFT LCD display, IPS type, 2.8" screen size, 320x240, 500 NITS brightness Power – Rechargeable Lithium polymer battery with up to 15 hours of continuous operation
Datalogger – 12 million data point capacity
Calibration – Wet calibrated at factory. Built-in 5-key configuration CE

Model **PTFM 6.1 - ____**

SENSOR CONFIGURATION	*Price (USD):*	*Code:*
SE16A – 1 pair, recommended for 0.5 to 2 inch (15 to 50 mm) nominal pipes. Includes TMK-A1 mounting hardware.	$6,377.80	A
SE16B (Standard) – 1 pair, recommended for 2 to 10 inch (50 to 250 mm) nominal pipes. Includes TMK-B1 mounting hardware.	$6,377.80	B
SE16C – 1 pair, recommended for 12 to 48 inch (300 to 1,200 mm) nominal pipes. Includes TMK-C2 mounting hardware.	$6,911.15	C
SE16A & SE16B – 1 pair each, recommended for 0.5 to 10 inch (15 to 250 mm) nominal pipes. Includes TMK-A1 and TMK-B1 mounting hardware.	$7,111.15	D
SE16B & SE16C – 1 pair each, recommended for 2 to 48 inch (50 to 1,200 mm) nominal pipes. Includes TMK-B1 and TMK-C2 mounting hardware.	$7,977.80	E
SE16A & SE16C – 1 pair each, recommended for 0.5 to 2 (15 to 50 mm) & 12 to 48 inch (300 to 1,200 mm) nominal pipes. Includes TMK-A1 and TMK-C2 mounting hardware.	$7,977.80	F
SE16A, SE16B & SE16C – 1 pair each, recommended for 0.5 to 48 inch (15 to 1,200 mm) nominal pipes. Includes TMK-A1, TMK-B1, and TMK-C2 mounting hardware.	$8644.45	G

Docusign Envelope ID: 5AAC3B0F-98D3-4FB6-846D-D8C2D7CC5C6F

OPTIONS AND ACCESSORIES

Code	Description	Price
PTT12-AB	Replacement PTFM 6.1 cable pair, 12 ft (3.66 m), with BNC connectors and protective rubber boots for SE16A or SE16B transducers. Also compatible with SE16C transducers	$450.00
PTT12-C	Replacement PTFM 6.1 cable pair, 12 ft (3.66 m), with BNC connectors and threaded strain-relief connection for SE16C transducers. Not compatible with SE16A or SE16B transducers	$450.00
PTT50	Transducer Cable Extension – One Pair 50’ (15 m) triaxial cables for connection to standard 12’ pair of PTFM 6.1 cables (62’ / 19m total cable length)	$938.90
TMK-A1	Transducer Mounting Kit with track mount with built-in ruler, pair of pipe clamps for OD up to 4” (100 mm), and Super Lube® coupling compound	$216.70
TMK-B1	Transducer Mounting Kit with pair of stainless mounting brackets, pair of pipe clamps for OD up to 30” (750 mm), alignment bar, and SuperLube® coupling compound	$222.25
TMK-C2	Transducer Mounting Kit with pair of stainless mounting brackets, pair of pipe clamps for OD up to 48” (1200 mm), alignment bar with built-in ruler, and SuperLube® coupling compound	$350.00
CC-SL30	Super Lube® Coupling Compound, 3.0 oz tube	$64.45
CC-SL	Coupling Compound for Fluid Temp. > 120°C (250°F) – Super Lube® Dielectric Grease 3.0 oz tube	$70.00
PSA-C	Replacement charger with USB-C connector, for portable 6.1 products	$76.70
PC16-MB1	Replacement Single Stainless Transducer Mounting Bracket (from TMK-B1 kit)	$76.70
PC16-MA1	Replacement Stainless Track Mount (from TMK-A1 kit)	$166.70
PC16-MC1	Replacement Stainless Transducer Mounting Bracket (from TMK-C2 kit)	$144.45
TMK-C2-AB	Replacement alignment bar with built-in ruler (from TMK-C2 kit)	$150.00
PC9	Replacement SS pipe clamp for pipe OD up to 9” (225 mm)	$13.35
PC22	Replacement SS pipe clamp for pipe OD up to 22” (550 mm)	$26.70
PC48	Replacement SS pipe clamp for pipe OD up to 48” (1,200 mm)	$45.60

REPLACEMENT TRANSDUCERS

Code	Description	Price
SE16A*	Spare/Replacement Single Transducer (two transducers are used with each flowmeter)	$694.45
SE16B*	Spare/Replacement Single Transducer (two transducers are used with each flowmeter)	$694.45
SE16C*	Spare/Replacement Single Transducer (two transducers are used with each flowmeter)	$794.45

** Provide instrument serial number when ordering replacements*

MONTHLY RENTALS (Only available in United States and Canada)

RENTAL PTFM 6.1-A	Includes SE16A sensor pair. One-month rental price.	$1,238.90
RENTAL PTFM 6.1-B	Includes SE16B sensor pair. One-month rental price.	$1,238.90
RENTAL PTFM 6.1-C	Includes SE16C sensor pair. One-month rental price.	$1,238.90
RENTAL PTFM 6.1-G	Includes all sensor pairs. One-month rental price.	$1,655.60

Docusign Envelope ID: 5AAC3B0F-98D3-4FB6-846D-D8C2D7CC5C6F

SignalFire RANGER

Model RANGER-----------N

Approximate shipping weight: 1 lbs / 0.6 kg

STANDARD FEATURES:

- Plug & play, instant connectivity of a sensor to the cloud over cellular networks
- Optimized for battery life using latest cell modem technology LTE CAT M1 / NB-IoT
- Multi input/output to connect to a variety of sensors including analog, HART, and Modbus
- MQTT & Sparkplug-B ready to integrate with hosts other than SignalFire Cloud
- Operating Temp: -40 to 185 F (-40 to 85 C)
- Humidity: 0-100% condensing
- Battery Life: Up to 8 years depending on configuration
- Data Interface: LTE CAT M1 / NB-IoT, auto-selectable

SparkPlug B messaging

Base Price: $1,080.00

- Cellular Radio Power: 23dBm
- Antenna Type: LTE w/ Internal GPS
- Safety Rating: Class I, Division 2, Groups A,B,C,D, T5

Certified to CSA C22.2 No. 213:2017 Conforms to UL 121201:201, CE approved

- Estimated Monthly Data Usage: Check-in interval dependent

1 min = 27 MB, 5 min = 5.4 MB, 15 min = 1.08 MB, 60 min = 0.27 MB

- Cellular Specifications:

LTE band support: Cat-M1 / NB-IoT: B1, B2, B3, B4, B5, B8, B12, B13,

B14, B17, B20, B25, B26, B28, B66

Supports 4FF SIM type Power saving features: eDRX Secure socket using TLS PTCRB certified

INPUT POWER

Standard – 4 D Cell Pack	$0.00	4DPak
DC step down adapter, 10-30VDC input range	$116.70	DC

ANTENNA

Standard – Internal LTE & GPS	$0.00	Int
External LTE SMA connector	$52.25	Ext

INPUTS/OUTPUTS

Standard – 1 analog input, 2 digital inputs, 1 relay output	$0.00	NONE
Expansion module, total 3 analog inputs, 3 digital inputs, 1 relay output	$173.35	2AI1DI
Expansion module, Modbus RS485	$173.35	Modbus
Expansion module, HART, supports 15 multidrop devices	$213.35	HART

SIM & CLOUD CONFIGURATION

No SIM card, no SignalFire Cloud, user provides LTE CAT M1 SIM	-$216.00	NoSIM
Standard – Verizon SIM, 1 year data plan, SignalFire Cloud connectivity	$0.00	VZSIM1
Verizon SIM, 3 year data plan, SignalFire Cloud connectivity	$480.00	VZSIM3
No SIM card, 1 year SignalFire Cloud, user provides LTE CAT M1 SIM	-$84.00	SFCloud1
No SIM card, 3 year SignalFire Cloud, user provides LTE CAT M1 SIM	$400.00	SFCloud3

MODBUS REGISTER COUNT

Standard – Not Applicable (*INPUTS/OUTPUTS* ≠ Modbus)	$0.00	N
Real-time field device connectivity using PACTware or similar software, 1-year plan (*INPUTS/OUTPUTS* = HART)	U p t o	32 Modbus registers (*INPUTS/OUTPUTS* = Modbus) Up to 96 Modbus registers, 1-year plan (*INPUTS/OUTPUTS* = Modbus) Up to 96 Modbus registers, 3-year plan (*INPUTS/OUTPUTS* = Modbus)
Real-time field device connectivity using PACTware or similar software, 3-year plan (*INPUTS/OUTPUTS* = HART)		

Docusign Envelope ID: 5AAC3B0F-98D3-4FB6-846D-D8C2D7CC5C6F

$0.00	Tunnel	
$222..25	Tunnel/3	
$0.00	M	
$133.35	B	
$400.00	3	
	2	
	M	
	B	
	9	
	6	
	M	
	B	
	9	
	6	
	/	
	3	

REPORTING INTERVAL

Standard – Not Applicable (Customer provides SIM)	$0.00	N
60 seconds, minimum	$0.00	STD
15 seconds, minimum, 1-year plan	$133.35	Fast
15 seconds, minimum, 3-year plan	$400.00	Fast/3
5 seconds, minimum, 1-year plan	$333.35	Ultra
5 seconds, minimum, 3-year plan	$1000.00	Ultra/3

Docusign Envelope ID: 5AAC3B0F-98D3-4FB6-846D-D8C2D7CC5C6F

SignalFire RANGER-JBox

Model RANGER-JBox----------- **N**

Approximate shipping weight: 2 lbs / 1.2 kg

STANDARD FEATURES:

- Includes IP66 junction box, field mountable enclosure with termination
- Plug & play, instant connectivity of a sensor to the cloud over cellular networks
- Optimized for battery life using latest cell modem technology LTE CAT M1 / NB-IoT
- Multi input/output to connect to a variety of sensors including analog, HART, and Modbus
- MQTT & Sparkplug-B ready to integrate with hosts other than SignalFire Cloud
- Operating Temp: -40 to 185 F (-40 to 85 C)
- Humidity: 0-100% condensing
- Battery Life: Up to 8 years depending on configuration
- Data Interface: LTE CAT M1 / NB-IoT, auto-selectable
  SparkPlug B messaging

Base Price:
$1,633.35

- Cellular Radio Power: 23dBm
- Antenna Type: LTE w/ Internal GPS
- Safety Rating: Class I, Division 2, Groups A,B,C,D, T5
  Certified to CSA C22.2 No. 213:2017 Conforms to UL 121201:201, CE approved
- Estimated Monthly Data Usage: Check-in interval dependent
  1 min = 27 MB, 5 min = 5.4 MB, 15 min = 1.08 MB, 60 min = 0.27 MB
- Cellular Specifications:
  LTE band support: Cat-M1 / NB-IoT: B1, B2, B3, B4, B5, B8, B12, B13,
  B14, B17, B20, B25, B26, B28, B66

  Supports 4FF SIM type Power saving features: eDRX Secure socket using TLS PTCRB certified

INPUT POWER		
Standard – 4 D Cell Pack	$0.00	4DPak
DC step down adapter, 10-30VDC input range	$116.70	DC
ANTENNA		
Standard – Internal LTE & GPS	$0.00	Int
External LTE SMA connector	$52.25	Ext
INPUTS/OUTPUTS		
Standard – 1 analog input, 2 digital inputs, 1 relay output	$0.00	NONE
Expansion module, total 3 analog inputs, 3 digital inputs, 1 relay output	$173.35	2AI1DI
Expansion module, Modbus RS485	$173.35	Modbus
Expansion module, HART, supports 15 multidrop devices	$213.35	HART
SIM & CLOUD CONFIGURATION		
No SIM card, no SignalFire Cloud, user provides LTE CAT M1 SIM	-$216.00	NoSIM
Standard – Verizon SIM, 1 year data plan, SignalFire Cloud connectivity	$0.00	VZSIM1
Verizon SIM, 3 year data plan, SignalFire Cloud connectivity	$480.00	VZSIM3
No SIM card, 1 year SignalFire Cloud, user provides LTE CAT M1 SIM No	-$84.00	SFCloud1
SIM card, 3 year SignalFire Cloud, user provides LTE CAT M1 SIM	$266.70	SFCloud3
	R e a	l-time field device connectivity using PACTware or similar software, 1-year plan (*INPUTS/OUTPUTS* = HART)
MODBUS REGISTER COUNT		
Standard – Not Applicable (*INPUTS/OUTPUTS* ≠ Modbus)		

Docusign Envelope ID: 5AAC3B0F-98D3-4FB6-846D-D8C2D7CC5C6F

Real-time field device connectivity using PACTware or similar software, 3-year plan (*INPUTS/OUTPUTS* = HART)

Up to 32 Modbus registers (*INPUTS/OUTPUTS* = Modbus)	$0.00	MB32
Up to 96 Modbus registers, 1-year plan (*INPUTS/OUTPUTS* = Modbus)	$133.35	MB96
Up to 96 Modbus registers, 3-year plan (*INPUTS/OUTPUTS* = Modbus)	$400.00	MB96/3

REPORTING INTERVAL

Standard – Not Applicable (Customer provides SIM)	$0.00	N
60 seconds, minimum	$0.00	STD
15 seconds, minimum, 1-year plan	$133.35	Fast
15 seconds, minimum, 3-year plan	$400.00	Fast/3
5 seconds, minimum, 1-year plan	$333.35	Ultra
5 seconds, minimum, 3-year plan	$1,000.00	Ultra/3

Docusign Envelope ID: 5AAC3B0F-98D3-4FB6-846D-D8C2D7CC5C6F

SignalFire RANGER-FBox Model RANGER-FBox ---------- N

Approximate shipping weight: 2 lbs / 1.2 kg

STANDARD FEATURES:

- Box style IP68 enclosure with cable gland inputs
- Plug & play, instant connectivity of a sensor to the cloud over cellular networks
- Optimized for battery life using latest cell modem technology LTE CAT M1 / NB-IoT
- Multi input/output to connect to a variety of sensors including analog, HART, and Modbus
- MQTT & Sparkplug-B ready to integrate with hosts other than SignalFire Cloud
- Operating Temp: -40 to 185 F (-40 to 85 C)
- Humidity: 0-100% condensing
- Battery Life: Up to 8 years depending on configuration
- Data Interface: LTE CAT M1 / NB-IoT, auto-selectable
  SparkPlug B messaging

Base Price:
$1,411.15

- Cellular Radio Power: 23dBm
- Antenna Type: LTE w/ Internal GPS
- Safety Rating: Class I, Division 2, Groups A,B,C,D, T5
  Certified to CSA C22.2 No. 213:2017 Conforms to UL 121201:201, CE approved
- Estimated Monthly Data Usage: Check-in interval dependent
  1 min = 27 MB, 5 min = 5.4 MB, 15 min = 1.08 MB, 60 min = 0.27 MB
- Cellular Specifications:
  LTE band support: Cat-M1 / NB-IoT: B1, B2, B3, B4, B5, B8, B12, B13,
  B14, B17, B20, B25, B26, B28, B66

  Supports 4FF SIM type Power saving features: eDRX Secure socket using TLS PTCRB certified

INPUT POWER		
Standard – 4 D Cell Pack	$0.00	4DPak
DC step down adapter, 10-30VDC input range	$116.70	DC
ANTENNA		
Standard – Internal LTE & GPS	$0.00	Int
INPUTS/OUTPUTS		
Standard – 1 analog input, 2 digital inputs, 1 relay output	$0.00	NONE
Expansion module, total 3 analog inputs, 3 digital inputs, 1 relay output	$173.35	2AI1DI
Expansion module, Modbus RS485	$173.35	Modbus
Expansion module, HART, supports 15 multidrop devices	$213.35	HART
SIM & CLOUD CONFIGURATION		
No SIM card, no SignalFire Cloud, user provides LTE CAT M1 SIM	-$216.00	NoSIM
Standard – Verizon SIM, 1 year data plan, SignalFire Cloud connectivity	$0.00	VZSIM1
Verizon SIM, 3 year data plan, SignalFire Cloud connectivity	$480.00	VZSIM3
No SIM card, 1 year SignalFire Cloud, user provides LTE CAT M1 SIM No	-$84.00	SFCloud1
SIM card, 3 year SignalFire Cloud, user provides LTE CAT M1 SIM	$266.70	SFCloud3
MODBUS REGISTER COUNT		
Standard – Not Applicable (*INPUTS/OUTPUTS* ≠ Modbus)		
Real-time field device connectivity using PACTware or similar software, 1-year plan (*INPUTS/OUTPUTS* = HART)		
Real-time field device connectivity using PACTware or similar software, 3-year plan (*INPUTS/OUTPUTS* = HART)		
Up to 32 Modbus registers (*INPUTS/OUTPUTS* = Modbus)		

Docusign Envelope ID: 5AAC3B0F-98D3-4FB6-846D-D8C2D7CC5C6F

Up to 96 Modbus registers, 1-year plan (*INPUTS/OUTPUTS* = Modbus) Up to 96 Modbus registers, 3-year plan (*INPUTS/OUTPUTS* = Modbus)

$0.00	N
$0.00	Tunnel
$222.25	Tunnel/3
$0.00	MB32
$133.35	MB96
$400.00	MB96/3

REPORTING INTERVAL

Standard – Not Applicable (Customer provides SIM) 60 seconds, minimum	$0.00 N
	$0.00 STD
15 seconds, minimum, 1-year plan	$133.35 Fast
15 seconds, minimum, 3-year plan 5 seconds, minimum, 1-year plan 5 seconds, minimum, 3-year plan	$400.00 Fast/3
	$333.35 Ultra
	$1,000.00 Ultra/3

Docusign Envelope ID: 5AAC3B0F-98D3-4FB6-846D-D8C2D7CC5C6F

OPTIONS AND ACCESSORIES

CODE	DESCRIPTION	PRICE
-SIM/Extend	2 year data plan extension, SignalFire Cloud connectivity, SIM included	$480.00[1]
-SIM/Add	4FF SIM card & activation fee for RANGER without SIM. 2 year data plan & cloud	$531.15[1]
-SFCloud	2 year SignalFire Cloud extension, user provided SIM	$293.35[1]
-Tunnel/Extend	2 year extension for Cloud Tunnel	$111.15[1]
-MB96/Extend	2 year extension for 96 Modbus registers	$266.70[1]
-Fast/Extend	2 year extension for 15 second minimum reporting	$266.70[1]
-Ultra/Extend	2 year extension for 5 second minimum reporting	$667.15[1]
-4DPak	4 D Cell battery replacement package	$138..90
	-ExtAntFactoryRetrofit External antenna retrofit by SignalFire	$100.00[1]
-MQTTBridge	1 time setup fee with TLS Certificate for SFCloud MQTT Broker connectivity	$861.15[1]
-2AI1DICard	Expansion module adding 2 analog inputs and 1 digital input	$173.35
-ModbusCard	Expansion module with RS485 Modbus serial input	$173.35
-HARTCard	Expansion module with HART interface, supports 15 multidrop devices	$213.35
-RangerJBox	RANGER junction box, field mountable enclosure with termination	$444.45
-RangerDCDC	DC step down adapter, 10-30VDC input range	$224.45
-BKT-Sentinel-Remote	Remote bracket to mount RANGER on pole or flat surface	$188.90
-BKT-NODE-RA	Right angle node bracket kit, for any RANGER with ½" NPT connection	$57.80
-ANT-LTE-OMNI-10	Omnidirectional LTE Antenna, 10' cable, SMA connector	$216.70
-ANT-LTE-OMNI-10-1M	Omnidirectional LTE Antenna, 10' cable and 1m bulkhead cable for DIN RANGER	$233.35
-ANT-LTE-DIR-10	Directional LTE Antenna, 10' cable, SMA connector	$233.35
-ANT-LTE-DIR-10-1M	Directional LTE Antenna, 10' cable and 1m bulkhead cable for DIN RANGER	$233.35
-ANT-LTE-PM-1M	Omnidirectional panel mount LTE antenna, 1m cable	$211.15
-ANT-GPS-INT-SMA	GPS Antenna, hinged monopole for direct SMA mount for DIN RANGER	$50.00
-ANT-LTE-ROAD-3M	LTE Street surface type antenna, 3M cable. Street adhesive required.	$227.80
-RangerSTD-Cover	Ranger cover replacement with O-ring	$68.90

[1] Options must be purchased from SignalFire directly, orders@signal-fire.com, and are not subject to discount.

Docusign Envelope ID: 5AAC3B0F-98D3-4FB6-846D-D8C2D7CC5C6F

SFM 6.1 Slurry Flow Meter

Model Please configure model on next page

Approximate shipping weight: 21 lbs / 10 kg

STANDARD FEATURES:

SE4-A sensor - Clamp-on, single head ultrasonic for 0.5” to 180” (12.7 mm to 4.5 m) ID pipes

Sensor cable - 25 ft / 7.6 m shielded coaxial pair

Flow rate range: ± 0.1 to 40 ft/sec (± 0.03 to 12.2 m/sec) in fluids containing bubbles or solids with a minimum size of 100 microns and a minimum concentration of 75 ppm to act as acoustic reflectors

Accuracy: ± 2% of reading or ± 0.1 ft/sec (whichever is greater)

Installation: PC4 Sensor mounting clamp for 0.6” - 32” (15 - 800 mm) OD pipes Includes silicone coupling compound

Enclosure: NEMA4 stainless steel with window Display: White, backlit matrix

Totalizer: 14 digit

Calibration: built-in 5-key programmer Output: isolated 4-20mA (1000 ohm)

2 control relays: 5 amp, SPDT - programmable for flow proportional pulse output, and/or flow alarm

Datalogger: 128 Megabyte storage capacity (26 million points) Power input: 100-240VAC 50/60Hz, 10VA maximum

CE, UL/CSA/EN 61010-1

Docusign Envelope ID: 5AAC3B0F-98D3-4FB6-846D-D8C2D7CC5C6F

SFM 6.1 Doppler Flow Meter

Model **SFM 6.1 ----------**

BASE PRICE: $4,888.90

POWER INPUT

Standard – 100-240VAC 50/60Hz, 10VA Maximum 9-	$0.00	A
32VDC, 10W Maximum	$116.70	B

ENCLOSURE & ELECTRONICS PROTECTION

Standard NEMA4X (IP66) polycarbonate	$0.00	1

ENCLOSURE TEMPERATURE RATING

Standard (-5° to 140°F / -20° to 60°C)	$0.00	A
Heater and Thermostat 115VAC, 15 VA additional to Power Input (25 VA total)	$144.45	B
Heater and Thermostat 230VAC, 15 VA additional to Power Input (25 VA total)	$144.45	C

INTRINSIC SAFETY

Standard – SE4-A, Non-Incendive for Class I Div 2, Groups A,B,C,D	$0.00	1
QTY 2 ISB Intrinsic Safety Barriers for sensor installation in Class I, Div 1, Groups C,D; Class II, Groups E,F,G; Class III; Encl. Type 4	$900.00	2

***TRANSDUCERS* (each with 25ft / 7.6m cable)**

Standard – SE4-A Clamp-on Sensor (for 0.5"/12.5mm to 180" (4.5m) ID pipes)	$0.00	A1

TRANSDUCER MOUNTING HARDWARE

Standard – PC4; includes stainless bracket, mounting clamps, and coupling compound	$0.00	1

TRANSDUCER CABLE LENGTH

Standard – 25 ft. 7.6m	$0.00	A
50 ft / 15 m	$83.35	B
100 ft / 30 m	$216.70	C

SERIAL COMMUNICATIONS

Standard – None	$0.00	1
Modbus® RTU via RS-485	$350.00	2

CONTROL RELAYS

2 – Standard	$0.00	A
4 Extra Relays (6 total), rated 5 amp SPDT, fully programmable	$266.70	B

Docusign Envelope ID: 5AAC3B0F-98D3-4FB6-846D-D8C2D7CC5C6F

OPTIONS AND ACCESSORIES

Code	Description	Price
DXC	Extra sensor cable up to 500 ft / 152 m (RG174U shielded coaxial pair, price per foot)	$2.70
JB2X	Sensor cable Junction Box, NEMA4X (IP66) polycarbonate	$64.45
PC4	Extra Sensor Mounting Kit with Couplant and SS clamps for pipes up to 32” (80 cm)	$107.80
PC4S	PC4S Doppler Sensor Mounting Kit with Expansion Springs	$150.00
CT	Coupling Tape – lower maintenance for permanent installations (price per foot)	$26.70
CC-SL30	Coupling Compound – Super Lube® Synthetic Grease 3.0 oz tube	$57.80
CC-SL30HT	Coupling Compound for Fluid Temp. > 120°C (250°F) – Super Lube® Dielectric Grease 3.0 oz tube	$64.45
SP2	Lightning/Surge Protection in NEMA4 Steel Enclosure	$1038.90

Replacement Sensors - Please provide instrument serial number when ordering replacements

Code	Description	Price
SE4-A	Standard clamp-on Sensor with 25 ft / 7.6 m shielded coaxial pair	$755.60
SE4-A-25DXC	Clamp-on Sensor with 50 ft / 15 m length cable	$838.90
SE4-A-75DXC	Clamp-on Sensor with 100 ft / 30 m length cable	$966.70

Docusign Envelope ID: 5AAC3B0F-98D3-4FB6-846D-D8C2D7CC5C6F

Stingray Protable Level-Velocity Logger

Model **Stingray 2.0**

Approximate shipping weight: 8 lbs / 4.5 kg

BASE PRICE: $5,800.00

STANDARD FEATURES:
QZ02L submersible ultrasonic Level-Velocity Sensor
Sensor cable – 25 ft / 7.6 m shielded tri-coaxial
MB-QZ sensor mounting bracket - stainless steel
Enclosure - Watertight, airtight, dust proof (IP 67) polycarbonate
Display – LCD bar graph for level, velocity, temperature, logger and battery capacity
Power – 4 Alkaline D-cell batteries
Output – USB mini
Data logger – 130,000 data point capacity (512K)
'Greyline Logger' PC software for Windows™
USB download cable

Docusign Envelope ID: 5AAC3B0F-98D3-4FB6-846D-D8C2D7CC5C6F

OPTIONS AND ACCESSORIES

Code	Description	Price
PVXC5	Sensor Cable Extension 50 ft / 15 m with watertight connectors	$438.90
QZ02L-SS-01-PS[1]	Spare/replacement Sensor with 25' (7.6 m) cable	$1,166.70
MB-QZ	Extra submersible sensor Mounting Bracket, stainless steel	$51.15
RENT	Monthly rental (* Requires purchase of QZ02L sensor. Rentals only allowed in United States and Canada)	$961.15
4DCELL	Extra set of 4 Alkaline D-Cell Batteries	$21.15
VSJ6	SS Pipe Mounting Band for 6"/152 mm ID pipes (fits ±0.5"/13 mm)	$244.45
VSJ8	SS Pipe Mounting Band for 8"/203 mm ID pipes (fits ±0.5"/13 mm)	$283.35
VSJ10	SS Pipe Mounting Band for 10"/254 mm ID pipes (adjustable ±0.5"/13 mm)	$483.35
VSJ12	SS Pipe Mounting Band for 12"/305 mm ID pipes (adjustable ±0.5"/13 mm)	$522.25
VSJ14	SS Pipe Mounting Band for 14"/356 mm ID pipes (adjustable ±0.5"/13 mm)	$522.25
VSJ15	SS Pipe Mounting Band for 15"/381 mm ID pipes (adjustable ±0.5"/13 mm)	$561.15
VSJ16	SS Pipe Mounting Band for 16"/406 mm ID pipes (adjustable ±0.5"/13 mm)	$561.15
VSJ18	SS Pipe Mounting Band for 18"/457 mm ID pipes (adjustable ±0.5"/13 mm)	$605.60
VSJ20	SS Pipe Mounting Band for 20"/508 mm ID pipes (adjustable ±0.5"/13 mm)	$605.60
VSJ24	SS Pipe Mounting Band for 24"/610 mm ID pipes (adjustable ±0.5"/13 mm)	$644.45
VSJ30	SS Pipe Mounting Band for 30"/762 mm ID pipes (adjustable ±0.5"/13 mm)	$722.25
VSJ32-40	SS Half-Pipe Mounting Band for 32-40"/813-1016 mm ID pipes	$677.80
VSJ42-54	SS Half-Pipe Mounting Band for 42-54"/1067-1372 mm ID pipes	$744.45
VSJ56-72	SS Half-Pipe Mounting Band for 56-72"/1422-1829 mm ID pipes	$794.45
VD6	SS Pipe Dam Band for 6"/152 mm ID pipes (fits ±0.5"/13 mm)	$266.70
VD8	SS Pipe Dam Band for 8"/203 mm ID pipes (fits ±0.5"/13 mm)	$311.15
VD10	SS Pipe Dam Band for 10"/254 mm ID pipes (adjustable ±0.5"/13 mm)	$511.15
VD12	SS Pipe Dam Band for 12"/305 mm ID pipes (adjustable ±0.5"/13 mm)	$538.90
VD14	SS Pipe Dam Band for 14"/356 mm ID pipes (adjustable ±0.5"/13 mm)	$538.90
VD15	SS Pipe Dam Band for 15"/381 mm ID pipes (adjustable ±0.5"/13 mm)	$583.35
VD16	SS Pipe Dam Band for 16"/406 mm ID pipes (adjustable ±0.5"/13 mm)	$583.35
VD18	SS Pipe Dam Band for 18"/457 mm ID pipes (adjustable ±0.5"/13 mm)	$627.80

[1] Includes MB-QZ Mounting Bracket

Docusign Envelope ID: 5AAC3B0F-98D3-4FB6-846D-D8C2D7CC5C6F

TTFM 6.1 Transit-Time Ultrasonic Flow Meter

Model Please configure model on next page

Approximate shipping weight: 12 lbs / 5.5 kg

STANDARD FEATURES:

Pair of SE16B ultrasonic transducers -

clamp-on for 2” to 10” (50 mm to 250 mm) pipes

Sensor cables - pair 25 ft / 7.6 m triaxial with BNC connectors Flow rate range - ± 0.07 to 40 ft/sec (± 0.02 to 12 m/sec)

Accuracy - ±1.0% of flow rate from 1.5 to 40 ft/sec (0.46 to 12 m/sec)

± 0.015 ft/sec (±0.0046 m/s) below 1.5 ft/sec (0.46 m/s)

Installation – TMK-B1 kit; Stainless steel transducer brackets, mounting clamps, alignment bar and coupling compound

Enclosure - watertight, NEMA4X (IP66) polyester and polycarbonate Display - white, backlit matrix, with 14 digit totalizer

Calibration – Wet calibrated at factory. Built-in 5-key programmer

Outputs - isolated 4-20mA (1000 ohm), and 2 control relays - 5 amp, SPDT programmable for flow proportional pulse output, flow direction, and/or flow alarm

Datalogger – 26 million data point capacity

Power input - 100-240VAC 50/60Hz, 10 VA maximum

CE, Transducers Non-Incendive for Class 1 Div 2, Groups A,B,C,D

Docusign Envelope ID: 5AAC3B0F-98D3-4FB6-846D-D8C2D7CC5C6F

TTFM 6.1 Transit-Time Flow Meter

Model **TTFM 6.1 __ - __ - __ - __ ---------- __**

BASE PRICE: $4,050

POWER INPUT		
Standard – 100-240VAC 50/60Hz, 10VA Maximum	$0.00	A
9-32VDC, 10W Maximum	$116.70	B

ENCLOSURE & ELECTRONICS PROTECTION		
Standard NEMA4X (IP66) polycarbonate	$0.00	1
NEMA4X polycarbonate enclosure with conformally coated electronics	$377.80	2
CXJ8106 – Explosion proof NEMA7 (CSA Class I, Div 1)[1]	$2,294.45	3
CXJ8106 – Explosion Proof NEMA7 (ATEX/IECEx Ex db IIB+H2 Gb)[1]	$2,294.45	5

ENCLOSURE TEMPERATURE RATING		
Standard (-5° to 140°F / -20° to 60°C)	$0.00	A
Heater and Thermostat 115VAC, 15 VA additional to Power Input (25 VA total)	$144.45	B
Heater and Thermostat 230VAC, 15 VA additional to Power Input (25 VA total)	$144.45	C

INTRINSIC SAFETY		
Standard – All transducers, Non-Incendive for Class I, Div 2, Groups A,B,C,D QTY 2 ISB for transducer installation in Class I.	$0.00	1
Div 1, Groups C,D; Class II, Groups E,F,G; Class III; Encl. Type 4 QTY 2 ISB for transducer installation in ATEX/IECEx Zone 0.	$900.00	2
Ex ia IIB T4 Ga	$900.00	3

TRANSDUCERS **(each with 25ft / 7.6m cable)**		
Standard – SE16B pair, recommended for 2 to 10 inch (50 to 250 mm) nominal pipes, BNC connectors and IP65 rating	$0.00	B
SE16A pair, recommended for 0.5 to 2 inch (15 to 50 mm) nominal pipes, BNC connectors and IP65 rating	$0.00	A1
SE16A pair, recommended for 0.5 to 2 inch (15 to 50 mm) pipes, sealed cable with IP67 rating, for installation in wet environments	$0.00	A2
SE16C pair, recommended for 12 to 48 inch (300 to 1,200 mm) nominal pipes, BNC connectors and cable strain-relief fittings for IP68 rating (up to 3m for 3 hrs)	$577.80	C

TRANSDUCER MOUNTING HARDWARE - Hardware Must Match Transducer Selection		
TMK-B1 for SE16B transducers – Includes brackets, clamps, alignment bar	$0.00	1
TMK-B21 for SE16B transducers – Includes conduit-ready & heavy-duty stainless brackets, clamps, and alignment ruler for 2-6" pipes	$194.45	2
TMK-B22 for SE16B transducers – Includes conduit-ready & heavy-duty stainless brackets, clamps, and alignment ruler for pipes ≥ 8"	$211.15	3
TMK-A1 for SE16A transducers – Includes track mount with ruler and clamps	$0.00	4
TMK-C1 for SE16C transducers – Includes brackets, clamps, and alignment bar withruler. For 12" to 18" (300 mm to 450 mm) pipes.	$194.45	5
TMK-C2 for SE16C transducers – Includes brackets, clamps, and alignment bar with ruler. For 20" to 48" (500 mm to 1200 mm) pipes.	$244.45	6

TRANSDUCER CABLE LENGTH		
Standard – 25 ft. 7.6m, cable type matches Transducer selection	$0.00	A
50 ft / 15 m, cable type matches Transducer selection	$172.25	B
100 ft / 30 m, cable type matches Transducer selection	$416.70	C

SERIAL COMMUNICATIONS		
Standard – None	$0.00	1
Modbus® RTU via RS-485 or HART (field selectable)	$350.00	2

CONTROL RELAYS		
2 – Standard	$0.00	A
4 Extra Relays (6 total), rated 5 amp SPDT, fully programmable	$266.70	B

[1] Lead Time for a TTFM 6.1 with this option is 2 weeks. Non-returnable & Non-refundable

Docusign Envelope ID: 5AAC3B0F-98D3-4FB6-846D-D8C2D7CC5C6F

OPTIONS AND ACCESSORIES

Code	Description	Price
TXC	Transducer cable extension up to 500 ft / 150 m (Triaxial pair, price is per foot)	$5.00
JB4X	Transducer cable Junction Box, NEMA4X/IP66	$83.35
TMK-A1	Transducer Mounting Kit with track mount with built-in ruler, pair of pipe clamps for OD up to 4” (100 mm), and Super Lube® coupling compound	$216.70
TMK-B1	Transducer Mounting Kit with pair of stainless mounting brackets, pair of pipe clamps for OD up to 30” (750 mm), alignment bar, and SuperLube® coupling compound	$222.25
TMK-B21	Transducer Mounting Kit with pair of stainless heavy-duty & conduit-ready mounting brackets, pair of pipe clamps, alignment ruler for 2-6” pipes, and SuperLube® coupling compound	$405.60
TMK-B22	Transducer Mounting Kit with pair of stainless heavy-duty & conduit-ready mounting brackets, pair of pipe clamps, alignment ruler for 8” and larger pipes, and SuperLube® coupling compound	$416.70
TMK-C1	Transducer Mounting Kit with pair of stainless mounting brackets, pair of pipe clamps for OD up to 18” (450 mm), alignment bar with built-in ruler, and SuperLube® coupling compound	$266.70
TMK-C2	Transducer Mounting Kit with pair of stainless mounting brackets, pair of pipe clamps for OD up to 48” (1200 mm), alignment bar with built-in ruler, and SuperLube® coupling compound	$350.00
TMK-B1S	TMK-B1 mounting kit with Expansion Springs – for outdoor HDPE pipe installations	$377.80
TMK-B21S	TMK-B21 mounting kit with Expansion Springs – for outdoor HDPE pipe installations	$550.00
TMK-B22S	TMK-B22 mounting kit with Expansion Springs – for outdoor HDPE pipe installations	$561.15
PC16-MB1	Replacement Stainless Transducer Mounting Bracket (from TMK-B1 kit)	$76.70
PC16-MB2-S	Replacement Stainless Transducer Mounting Bracket (from TMK-B2 kit) – Stationary Side (Ruler screws into this bracket)	$144.45
PC16-MB2-D	Replacement Stainless Transducer Mounting Bracket (from TMK-B2 kit) – Dynamic Side (Ruler slides along tris bracket)	$88.90
PC9	Replacement SS pipe clamp for pipe OD up to 9” (225 mm)	$10.70
PC22	Replacement SS pipe clamp for pipe OD up to 22” (550 mm)	$22.25
PC48	Replacement SS pipe clamp for pipe OD up to 48” (1,200 mm)	$42.25
CT Coupling Tape – lower ma	intenance for permanent installations (price is per foot)	$26.70
CC-SL30	Super Lube® Coupling Compound, 3.0 oz tube	$57.80
CC-SL30HT	Coupling Compound for Fluid Temp. > 120°C (250°F) – Super Lube® Dielectric Grease 3.0 oz tube	$64.45
PM	Panel Mount Flange assembly	$161.15
SCR Enclosure Sunscreen (iri	ite aluminum)	$45.60

Replacement Parts - Please provide instrument serial number when ordering replacement SE16 transducers

Code	Description	Price
SE16A*	Spare/Replacement **single** Transducer (two transducers are used with each flowmeter)	$694.45
SE16A-TTT25*	Spare/Replacement **single** Transducer with sealed 25 foot cable (two transducers are used with each 5 flowmeter)	$833.3
SE16A-TTT50*	Spare/Replacement **single** Transducer with sealed 50 foot cable (two transducers are used with each flowmeter)	$877.80
SE16A-TTT100*	Spare/Replacement **single** Transducer with sealed 100 foot cable (two transducers are used with each flowmeter)	$877.80
SE16B*	Spare/Replacement **single** Transducer (two transducers are used with each flowmeter)	$694.45
SE16C*	Spare/Replacement **single** Transducer (two transducers are used with each flowmeter)	$794.45
TTT25	One pair 25 ft (7.6 m) cables with BNC connectors and seal jackets for SE16A & SE16B transducers	305.600
TTT50	One pair 50 ft (15 m) cables with BNC connectors and seal jackets for SE16A & SE16B transducers	$377.80
TTT100	One pair 100 ft (30 m) cables with BNC connectors and seal jackets for SE16A & SE16B transducers	$566.70
TTT25-C	One pair 25 ft (7.6 m) cables with threaded strain-relief connection for SE16C transducers	$377.80
TTT50-C	One pair 50 ft (15 m) cables with threaded strain-relief connection for SE16C transducers	$377.80
TTT100-C	One pair 100 ft (30 m) cables with threaded strain-relief connection for SE16C transducers	$566.70

Docusign Envelope ID: 5AAC3B0F-98D3-4FB6-846D-D8C2D7CC5C6F

Pulsar Measurement
MDot Thermal Mass Flow Meter for Gas

Advanced gas flow monitoring for the water and wastewater treatment process.

The MDot measures mass flow, an advantage over other flow meter which measure volumetric flow rate, an incomplete measurement because temperature and pressure compensation plus a mass flow computer are required.

With built-in calibration validation, you can ensure the sensor and electronics of your MDot are within the stringint factory specifications for repeatability and accuracy without having to shut down your system or remove the meter.

The MDot is configurable in the field for three different types of gas compositions via the GasSelect feature. Choose between Air, CH4 (Methane), and Biogas/Digester Gas (Mixture of CH4 and CO2)

IMPORTANT: The online configurator must be completed before an order can be accepted. We require the APP ID that is provided at the end of filling out this form. Please contact sales with any questions.

End Use requirements needed on the quote/PO:

https://pulsarmeasurement.com/thermal-gas-configurator/

- **End User Name:**
- **Site Name (ie Project name or brief description of use):**
- **Street Address/Postal Code/ Country:**
- **End Use Industry: Example: WASTEWATER**

Pulsar Measurement

MDot Insertion Mass Flow Meter

MDot Insertion Mass Flow Meter (warranty 2 years from despatch)	M	D								$
			^	^	^	^	^	^	^	
PROBE			^	^	^	^	^	^	^	**Base Prices**
Insertion meter with 6-inch probe Insertion			0	6	I	^	^	^	^	2406
meter with 9-inch probe Insertion meter			0	9	I	^	^	^	^	2450
with 12-inch probe Insertion meter with 15-			1	2	I	^	^	^	^	2478
inch probe Insertion meter with 18-inch			1	5	I	^	^	^	^	2500
probe Insertion meter with 24-inch probe			1	8	I	^	^	^	^	2523
Insertion meter with 30-inch probe Insertion			2	4	I	^	^	^	^	2545
meter with 36-inch probe			3	0	I	^	^	^	^	2573
15-inch probe with 150psi retractor & full port valve, 1" male NPT, 316SS wetted parts 18-			3	6	I	^	^	^	^	2595
inch probe with 150psi retractor & full port valve, 1" male NPT, 316SS wetted parts 24-inch			1	5	R	^	^	^	^	3228
probe with 150psi retractor & full port valve, 1" male NPT, 316SS wetted parts 30-inch			1	8	R	^	^	^	^	3256
probe with 150psi retractor & full port valve, 1" male NPT, 316SS wetted parts			2	4	R	^	^	^	^	3278
36-inch probe with 150psi retractor & full port valve, 1" male NPT, 316SS wetted parts			3	0	R	^	^	^	^	3300
			3	6	R	^	^	^	^	3323
						^	^	^	^	
DISPLAY						^	^	^	^	**Add**
Include rate/total display & configuration panel No						D	D	^	^	0
display & configuration panel						D	0	^	^	-200
								^	^	
OUTPUTS								^	^	**Add**
4-20mA & Pulse Output								P	1	0
4-20mA & RS485 (Modbus RTU)								R	S	228
4-20mA with HART & Pulse Output								B	H	250

IMPORTANT: The online configurator must be completed before an order can be accepted. We require the APP ID that is provided at the end of filling out this form. Please contact sales with any questions.

End Use requirements needed on the quote/PO:

https://pulsarmeasurement.com/thermal-gas-configurator/

- **End User Name:**
- **Site Name (ie Project name or brief description of use):**
- **Street Address/Postal Code/ Country:**
- **End Use Industry: Example: WASTEWATER**

Pulsar Measurement
MDot Inline Mass Flow Meter

MDot Inline Mass Flow Meter	M	D								$
(warranty 2 years from despatch)			^	^	^	^	^	^	^	^	
Flow Body Size - 316SS, Schedule 40			^	^	^	^	^	^	^	^	**Base Prices**
0.75 Inch, male NPT ends, 12 inch face-to-face length			0	7	5	P	^	^	^	^	2906
1 Inch, male NPT ends, 12 inch face-to-face length			0	1	0	P	^	^	^	^	2906
1.25 Inch, male NPT ends, 12 inch face-to-face length			1	2	5	P	^	^	^	^	3050
1.5 Inch, male NPT ends, 12 inch face-to-face length			0	1	5	P	^	^	^	^	3084
2 Inch, male NPT ends, 12 inch face-to-face length			0	2	0	P	^	^	^	^	3189
2.5 Inch, male NPT ends, 18 inch face-to-face length			0	2	5	P	^	^	^	^	4000
3 Inch, male NPT ends, 18 inch face-to-face length			0	3	0	P	^	^	^	^	4073
0.75 inch, 150# raised face flange ends, 12 inch face-to-face length			0	7	5	F	^	^	^	^	3095
1 inch, 150# raised face flange ends, 12 inch face-to-face length			0	1	0	F	^	^	^	^	3095
1.25 inch, 150# raised face flange ends, 12 inch face-to-face length			1	2	5	F	^	^	^	^	3273
1.5 inch, 150# raised face flange ends, 12 inch face-to-face length			0	1	5	F	^	^	^	^	3462
2 inch, 150# raised face flange ends, 12 inch face-to-face length			0	2	0	F	^	^	^	^	3623
2.5 inch, 150# raised face flange ends, 18 inch face-to-face length			0	2	5	F	^	^	^	^	3956
3 inch, 150# raised face flange ends, 18 inch face-to-face length			0	3	0	F	^	^	^	^	4012
4 inch, 150# raised face flange ends, 18 inch face-to-face length			0	4	0	F	^	^	^	^	5084
6 inch, 150# raised face flange ends, 24 inch face-to-face length			0	6	0	F	^	^	^	^	8067
			^	^	^	^	^	^	^	^	
Flow Body Size - A106 Grade B Carbon Steel, Schedule 40 (with A105 flanges if ordered)			^	^	^	^	^	^	^	^	**Base Prices**
2 Inch, male NPT ends, 12 inch face-to-face length			2	0	P	C	^	^	^	^	3128
2.5 Inch, male NPT ends, 18 inch face-to-face length			2	5	P	C	^	^	^	^	3250
3 Inch, male NPT ends, 18 inch face-to-face length			3	0	P	C	^	^	^	^	3262
2 inch, 150# raised face flange ends, 12 inch face-to-face length			2	0	F	C	^	^	^	^	3212
2.5 inch, 150# raised face flange ends, 18 inch face-to-face length			2	5	F	C	^	^	^	^	3434
3 inch, 150# raised face flange ends, 18 inch face-to-face length			3	0	F	C	^	^	^	^	3484
4 inch, 150# raised face flange ends, 18 inch face-to-face length			4	0	F	C	^	^	^	^	4050
6 inch, 150# raised face flange ends, 24 inch face-to-face length			6	0	F	C	^	^	^	^	6178
							^	^	^	^	
DISPLAY							^	^	^	^	**Add**
Include rate/total display & configuration panel							D	D	^	^	0
No display & configuration panel							D	0	^	^	-200
									^	^	
OUTPUTS									^	^	**Add**
4-20mA & Pulse Output									P	1	0
4-20mA & RS485 (Modbus RTU)									R	S	228
4-20mA with HART & Pulse Output									B	H	250

Docusign Envelope ID: 5AAC3B0F-98D3-4FB6-846D-D8C2D7CC5C6F

Docusign Envelope ID: 5AAC3B0F-98D3-4FB6-846D-D8C2D7CC5C6F

Pulsar Measurement
MDot Mass Flow Meter - Options & Accessories

								$
Additional Instruction Manual	1	0	6	0	1	2		22
Stainless Steel Tags	1	0	0	6	5	7		32
Certificate of Origin	9	9	9	9	9	5		53
Certificate of Conformance	9	9	9	9	9	2		53
Materials Certificate for Wetted Parts	9	9	9	9	8	6		53
Sun Shade Accessory	1	0	9	0	4	0		215
USB Cable, A-male to mini B-male, 6 feet	1	0	4	8	7	0		22
3/4 inch MNPT compression fitting	1	0	1	3	3	1		53
24VDC power supply	1	0	6	7	2	8		140
Features Universal AC input voltage range Adjustable output DC input capable IP20 Load sharing 4 inch DIN rail included Operating Specs Number of outputs: 1 Output voltage: 24V Output current (max): 5.00A Output power Watts (max): 120W Input voltage range: 85-264Vac (DC input range 120-375VDC) Voltage isolation: 4kV Phase input: Single phase Operating temperature: -20C to 85C								
M20x1.5 Wiring Connection Adapters ((2)=QTY-2; Price reflects QTY-2)	1	0	6	6	5	8	(2)	72
Teflon ferrules - **IMPORTANT:** Gas pressure 60 psig (4.1 barg) maximum	1	0	6	4	1	5		36

Pulsar Measurement
Flow Conditioners for MDot Insertion Flow Meter

							$
1.5" SS Flow Conditioner	1	0	9	1	9	4	778
2" SS Flow Conditioner	1	0	9	1	9	5	673
2.5" SS Flow Conditioner	1	0	9	1	9	6	817
3" SS Flow Conditioner	1	0	9	1	9	7	817
4" SS Flow Conditioner	1	0	9	1	9	8	828
6" SS Flow Conditioner	1	0	9	1	9	9	1450
8" SS Flow Conditioner	1	0	9	2	0	0	1889
10" SS Flow Conditioner	1	0	9	2	0	1	2450
12" SS Flow Conditioner	1	0	9	2	0	2	3017
14" SS Flow Conditioner	1	0	9	2	0	3	3573
16" SS Flow Conditioner	1	0	9	2	0	4	4139
18" SS Flow Conditioner	1	0	9	2	0	5	4856

Important Notes:

Flow conditioners are designed for use in schedule 40 pipes only

Flow conditioners mount between ANSI 150# raised face flanges

See instruction manual for straight-run requirements

MDot insertion meter must be calibrated for use with a flow conditioner

Docusign Envelope ID: 5AAC3B0F-98D3-4FB6-846D-D8C2D7CC5C6F

Pulsar Measurement
REFLECT-W 2-Wire Radar Level Sensor

NEXT LEVEL RADAR

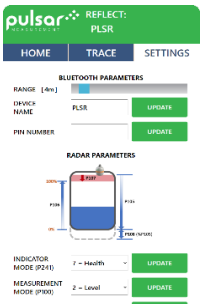
Providing the highest confidence in level measurement in the most challenging conditions.

The REFLECT™ 2-wire radar sensor provides accurate level or volume monitoring of liquids and solids in critical measurement applications, ensuring complete peace of mind with a product that requires minimal skills and human intervention, thereby minimizing the lifetime cost of ownership. Outperforming products that, up until now, required frequent and costly manual intervention to validate measurement integrity.

Accurate, Reliable, and Robust

The hermetically sealed Pulsar Measurement REFLECT™ level sensors require no routine servicing, able to withstand the harshest environments while maintaining accuracy in the presence of extreme dust, temperature, moisture, pressure, and chemicals. The narrow 6° beam angle and unique built-in DATEM software allow the sensor to focus on the true level, giving you the accurate data you need to make decisions about your operations.

Unique and Secure Bluetooth and Web-Based App



The REFLECT™ uses a web-based app to give an easy and convenient way for you to change parameters, access trend reports, and view echo traces. The web-based app is accessible through any device (PC, Android, or iOS). Once the control app has loaded on your device, you won't need to worry about the signal. Using a web-based app also means there are no regular updates to install - just scan the QR code and you're ready to go!

Bluetooth is built into REFLECT™ as standard, but for added security and confidence that only authorized users can access the device, its range is user definable. Users can easily set the maximum signal range of each REFLECT™ to be up to 40 m (131.2 ft), depending on the size of your facility.

Ease of Installation

In 'installation' mode, REFLECTTILT™ ensures optimal measurement by using the built-in LEDs to signal when the sensor is level (in liquid applications) or giving the greatest signal strength (in solids applications). In ''operation' mode, these lights are used to give an early indication of a change in measurement integrity and to give confidence in the accuracy of your data.

REFLECTTILT™ utilizes a NAMUR NE 107-based traffic light system – a red light means that something needs to be addressed, amber is an early warning that something may not be quite right, and a green light signals that the device is working optimally. Installation and use of your sensor have never been so simple!

Specifications

Frequency - V-band (63 GHz)
Operating Method - FMCW Beam
Angle - 6 degrees Resolution - 1 mm (0.039 in)
Accuracy - 2 mm (0.079 in)
Repeatability - 1 mm (0.039 in)
Near-blanking Distance - 75 mm (2.95 in) measured from drip shield
Stable-measurement Time - Cold Boot: 10 sec; Warm Boot: 5 sec
Sensor Body Material - Valox
Mounting Connections - Rear: 1-inch stainless steel NPT thread**;** Optional Front: 1.5-inch NPT thread
Ingress Protection - IP68 / NEMA6P
Operating Temperature - -40 to 80 Deg C (-40 to 176 Deg F)
Input Power Range - 12 to 24 VDC (Max 50Ω at 12V, Max 650Ω at 24V)
Process Pressure Range - -1 to 3 Bar
Local Wireless Communication - Encrypted Bluetooth®; Version 4.0 or newer
Wireless Communication Range - 4 to 40 m (13.1 to 131.2 ft), user-definable
Serial Communication - HART with DTM
Local LED Indicator - NAMUR compliant color indication plus REFLECTtilt installation assistance

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Approvals - FCC, RED, FM & FMc, (ATEX, UKCA, and IECEx also available via different model configuration)
Explosion Atmosphere - Intrinsically safe for Class I, II and III, Division 1, Groups A, B, C, D, E, F and G, T4;
Ex ia for Zone 0, Group IIC, T4, Ga;
Ex ia for Zone 20, Group IIIC, T100°C, Da;
-40°C < Ta < 80°C;
IP68

Pulsar Measurement
REFLECT-W 2-Wire Radar Level Sensor

REFLECT-W	R	W						0	X	F	X	X	P	U	0	$
(warranty 2 years from despatch)			^	^	^	^	^	^		^						
MEASUREMENT RANGE			^	^	^	^	^	^		^						Base Prices
8m (26.2 ft)			0	8	^	^	^	^		^						1089
20m (65.6 ft)			2	0	^	^	^	^		^						1323
					^	^	^	^		^						
CABLE LENGTH - ADD TO TRANSDUCER PRICE					^	^	^	^		^						Add
5m (16.4 ft)					0	0	5	^		^						0
10m (32.8 ft)					0	1	0	^		^						39
20m (65.6 ft)					0	2	0	^		^						106
30m (98.4 ft) 0 3 0 ^ ^ 15550m (164 ft)					0	5	0	^		^						334
100m (328 ft)					1	0	0	^		^						695
								^		^						
ACCESSORIES - ADD TO TRANSDUCER PRICE								^		^						Add
Front-thread adapter (PVDF, 1.5" front thread, NPT)								3		^						62
Front-thread adapter (PEEK, 1.5" front thread, NPT)								4		^						200
										^						
APPROVAL OPTIONS - ADD TO TRANSDUCER PRICE										^						Add
FM (Includes stainless steel 1-inch rear NPT thread)										F						0

Pulsar Process Measurement
TRANSDUCERS - OPTIONS & ACCESSORIES

PULSAR HART COMMUNICATOR MODEM	P	C	M	O	D	E	M	-	H	A	R	T	-	U	S	B
(warranty 1 year from despatch)																$
HART																617

Termination - Crocodile Mini-clips
Lead - 1 ft High Flexibility Test Lead Wire
Connection Method - Transformer Isolated, Capacitor Coupled DC
Loop Voltage - 50Vdc Max
24V Mains Power Unit (to power dBi)

The HART communicator is used with the REFLECT PC Software, available for download on our website, https://pulsarmeasurement.com/en/reflect.

The REFLECT PC Software is different than the Bluetooth interface. With the PC software, you receive a graphical user interface for programming, viewing and saving echo traces, and making firmware updates. Similar to the Ultra PC Suite. The REFLECT does not work with the PC Suite software, only the REFLECT PC software.

The REFLECT PC Software will also work with 3rd party HART modems.

Pulsar suggests having at least one HART Modem to support an installed base of REFLECT sensors.

ADAPTORS							$
(warranty 1 year from despatch)							
BReez 1" Adaptor, for mounting to plate via rear-thread	B	R	E	E	Z		44

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1" x 20mm Adaptor, material Nylon 66 and 20mm nut	d	B	A	0	0	0	2		48

Pulsar Measurement
TRANSDUCERS - dB3 & dBMACH3

The dB3 transducer has an operating frequency of 125 kHz. This provides high resolution and very narrow beam in short range applications. 1 inch NPT process connection on this transducer allows for flexibility in mounting. 5.9 inch near blanking distance, 9.84 foot range.

Standard cFMus Approved via Encapsulation (Ex mb): Suitable for use in Class I, II, and III, Division 1 and 2 Groups A, B, C, D, E, F and G indoor and outdoor Hazardous (Classified) Locations. Temperature Class T4 at an ambient of 75° C (167° F). Type 4X.

Must be combined with a compatible controller: Ultra 4, Ultra 5, Ultra Twin, Ultra FlowCERT, Zenith, Ultimate, or Blackbox

dB3	d	B	0	3									0	-	N	P	**$**
(warranty 2 years from despatch)					^	^	^	^	^	^	^	^	^				
CABLE LENGTH					^	^	^	^	^	^	^	^	^				**Base Prices**
32.8 foot (10m) with drip shield					0	1	0	^	^	^	^	^	^				745
98.4 foot (30m) with drip shield					0	3	0	^	^	^	^	^	^				939
Customer specified CABLE LENGTH (add total length in meters). Can be loose cable connected at junction box, or built-in to transducer (long lead time).								^	^	^	^	^	^				See Cable Options
								^	^	^	^	^	^				
OPTIONS - ADD TO TRANSDUCER PRICE								^	^	^	^	^	^				**Add**
No options (Standard)								0	0	0	0	0	^				0
Submersible shield								1	0	0	0	0	^				101
1½" Front thread mount								5	0	1	5	0	^				113
1½" Front thread mount PVDF								5	0	1	5	4	^				234
													^				
ADDITIONAL APPROVALS - ADD TO TRANSDUCER PRICE													^				**Add**
cFMus Intrinsically Safe Class I, Div 1, Groups A,B,C,D; Class II, Div 1, Groups E,F,G; Class III, Div 1; T4 Ta = -40C to +75C; Type 4X													1				145

dBMACH3 is a high accuracy transducer complete with sun shield for Open Channel Flow. Zero near blanking distance, 7.956 foot range.

Standard cFMus Approved: Suitable for use in Class I, II, and III, Division 1 and 2 Groups A, B, C, D, E, F and G indoor and outdoor Hazardous (Classified) Locations. Temperature Class T4 at an ambient of 75° C (167° F). Type 4X.

Must be combined with a compatible controller: Ultra 4, Ultra 5, Ultra Twin, Ultra FlowCERT, Zenith, Ultimate, or Blackbox

dBMACH3	d	B	M	3				4	0	0	0	0	0	-	N	P	**$**
(warranty 2 years from despatch)					^	^	^						^				
CABLE LENGTH					^	^	^						^				**Base Prices**
32.8 foot (10m) cable connection					0	1	0						^				884
98.4 foot (30m) cable connection					0	3	0						^				1066
Customer specified CABLE LENGTH (add total length in meters). Can be loose cable connected at junction box, or built-in to transducer (long lead time).													^				See Cable Options
													^				
ADDITIONAL APPROVALS - ADD TO TRANSDUCER PRICE													^				**Add**
cFMus Intrinsically Safe Class I, Div 1, Groups A,B,C,D; Class II, Div 1, Groups E,F,G; Class III, Div 1; T4 Ta = -40C to +75C; Type 4X													1				145

Pulsar Process Measurement
TRANSDUCERS - DB6

The dB6 transducer has an operating frequency of 75 kHz for good resolution in short to medium range applications. 1 inch NPT, 1.5 inch front threads, or flanged process connections. 11.8 inch near blanking distance, 26.2 foot range.

Standard cFMus Approved via Encapsulation (Ex mb): Suitable for use in Class I, II, and III, Division 1 and 2 Groups A, B, C, D, E, F and G indoor and outdoor Hazardous (Classified) Locations. Temperature Class T4 at an ambient of 75° C (167° F). Type 4X.

Must be combined with a compatible controller: Ultra 4, Ultra 5, Ultra Twin, Ultra FlowCERT, Zenith, Ultimate, or Blackbox

dB6	d	B	0	6									0	-	N	P	**$**
(warranty 2 years from despatch)					^	^	^	^	^	^	^	^	^				
CABLE LENGTH					^	^	^	^	^	^	^	^	^				**Base Prices**
32.8 foot (10m) cable connection					0	1	0	^	^	^	^	^	^				828
98.4 foot (30m) cable connection					0	3	0	^	^	^	^	^	^				1017
Customer specified CABLE LENGTH (add total length in meters). Can be loose cable connected at junction box, or built-in to transducer (long lead time).								^	^	^	^	^	^				See Cable Options
								^	^	^	^	^	^				
OPTIONS - ADD TO TRANSDUCER PRICE								^	^	^	^	^	^				**Add**
No options (Standard)								0	0	0	0	0	^				0
PVDF body & face								0	0	0	0	4	^				312
Submersible shield								1	0	0	0	0	^				101
1½" Front thread mount								5	0	1	5	0	^				113
1½" Front thread mount PVDF								5	0	1	5	4	^				234
2" ANSI flanged, PTFE faced								2	0	0	2	2	^				234
3" ANSI flanged, PTFE faced								2	0	0	3	2	^				278
4" ANSI flanged, PTFE faced								2	0	0	4	2	^				323
3" Sanitary flange, no clamp, PVDF faced								3	0	0	3	4	^				267
													^				
ADDITIONAL APPROVALS - ADD TO TRANSDUCER PRICE													^				**Add**
cFMus Intrinsically Safe Class I, Div 1, Groups A,B,C,D; Class II, Div 1, Groups E,F,G; Class III, Div 1; T4 Ta = -40C to +75C; Type 4X													1				145

TRANSDUCERS - dBS6 7.87 Inch Short Blanking

The dBS6 transducer has an operating frequency of 50 kHz and offers reduced near blanking for short to medium range applications. 3 degree effective beam angle. Near blanking is 7.87 inches, 19.7 foot maximum range. 1 inch NPT, 2 inch front threads, or flanged process connections.

Standard cFMus Approved via Encapsulation (Ex mb): Suitable for use in Class I, II, and III, Division 1 and 2 Groups A, B, C, D, E, F and G indoor and outdoor Hazardous (Classified) Locations. Temperature Class T4 at an ambient of 75° C (167° F). Type 4X.

Must be combined with a compatible controller: Ultra 4, Ultra 5, Ultra Twin, Ultra FlowCERT, Zenith, Ultimate, or Blackbox

dBS6, 7.87 inch SHORT BLANKING (warranty 2 years from despatch)	d	B	S	6									0	-	N	P	**$**
					^	^	^	^	^	^	^	^	^				
CABLE LENGTH					^	^	^	^	^	^	^	^	^				**Base Prices**
32.8 foot (10m) cable connection					0	1	0	^	^	^	^	^	^				923
98.4 foot (30m) cable connection					0	3	0	^	^	^	^	^	^				1112
Customer specified CABLE LENGTH (add total length in meters). Can be loose cable connected at junction box, or built-in to transducer (long lead time).								^	^	^	^	^	^				See Cable Options
								^	^	^	^	^	^				
OPTIONS - ADD TO TRANSDUCER PRICE								^	^	^	^	^	^				**Add**
No options (Standard)								0	0	0	0	0	^				0
Foam faced								0	0	0	0	1	^				139
PVDF body & face								0	0	0	0	4	^				312
Submersible shield								1	0	0	0	0	^				102
2" Front thread mount								5	0	2	0	0	^				156
2" Front thread mount PVDF								5	0	2	0	4	^				278
2" ANSI flanged, PTFE faced								2	0	0	2	2	^				234
3" ANSI flanged, PTFE faced								2	0	0	3	2	^				278
4" ANSI flanged, PTFE faced								2	0	0	4	2	^				323
3" Sanitary flange, no clamp PVDF faced								3	0	0	3	4	^				267
													^				
ADDITIONAL APPROVALS - ADD TO TRANSDUCER PRICE													^				**Add**
cFMus Intrinsically Safe Class I, Div 1, Groups A,B,C,D; Class II, Div 1, Groups E,F,G; Class III, Div 1; T4 Ta = -40C to +75C; Type 4X													1				145

Pulsar Process Measurement
TRANSDUCERS - dB10

The dB10 transducer has an operating frequency of 50 kHz for good resolution and high power in medium range applications of both liquids and solids. 3 degree effective beam angle. dB10 is also available with foam face to provide self cleaning features in dusty environments. 1 inch NPT or flanged process connections.

Standard cFMus Approved via Encapsulation (Ex mb): Suitable for use in Class I, II, and III, Division 1 and 2 Groups A, B, C, D, E, F and G indoor and outdoor Hazardous (Classified) Locations. Temperature Class T4 at an ambient of 75° C (167° F). Type 4X.

Must be combined with a compatible controller: Ultra 4, Ultra 5, Ultra Twin, Ultra FlowCERT, Zenith, Ultimate, or Blackbox

dB10	d	B	1	0									0	-	N	P	**$**
(warranty 2 years from despatch)					^	^	^	^	^	^	^	^	^				
CABLE LENGTH					^	^	^	^	^	^	^	^	^				**Base Prices**
32.8 foot (10m) cable connection					0	1	0	^	^	^	^	^	^				939
98.4 foot (30m) cable connection					0	3	0	^	^	^	^	^	^				1134
Customer specified CABLE LENGTH (add total length in meters). Can be loose cable connected at junction box, or built-in to transducer (long lead time).								^	^	^	^	^	^				See Cable Options
								^	^	^	^	^	^				
OPTIONS - ADD TO TRANSDUCER PRICE								^	^	^	^	^	^				**Add**
No options (Standard)								0	0	0	0	0	^				0
Foam faced								0	0	0	0	1	^				139
PVDF body & face								0	0	0	0	4	^				312
Submersible shield								1	0	0	0	0	^				102
2" Front thread mount								5	0	2	0	0	^				156
2" Front thread mount PVDF								5	0	2	0	4	^				278
2" ANSI flanged, PTFE faced								2	0	0	2	2	^				234
3" ANSI flanged, PTFE faced								2	0	0	3	2	^				278
4" ANSI flanged, PTFE faced								2	0	0	4	2	^				323
3" Sanitary flange, no clamp PVDF faced								3	0	0	3	4	^				267
													^				
ADDITIONAL APPROVALS - ADD TO TRANSDUCER PRICE													^				**Add**
cFMus Intrinsically Safe Class I, Div 1, Groups A,B,C,D; Class II, Div 1, Groups E,F,G; Class III, Div 1; T4 Ta = -40C to +75C; Type 4X													1				145

Pulsar Process Measurement
TRANSDUCERS - dB15 & dB25

The dB15 transducer has an operating frequency of 41 kHz for high resolution and higher power in medium to long range applications of solids and powders. The dB15 has a very high power to size ratio. 1 inch NPT or flanged process connections.

Standard cFMus Approved via Encapsulation (Ex mb): Suitable for use in Class I, II, and III, Division 1 and 2 Groups A, B, C, D, E, F and G indoor and outdoor Hazardous (Classified) Locations. Temperature Class T4 at an ambient of 75° C (167° F). Type 4X.

Must be combined with a compatible controller: Ultra 4, Ultra 5, Ultra Twin, Ultra FlowCERT, Zenith, Ultimate, or Blackbox

dB15	d	B	1	5									0	-	N	P	**$**
(warranty 2 years from despatch)					^	^	^	^	^	^	^	^	^				
CABLE LENGTH					^	^	^	^	^	^	^	^	^				**Base Prices**
32.8 foot (10m) cable connection					0	1	0	^	^	^	^	^	^				1234
98.4 foot (30m) cable connection					0	3	0	^	^	^	^	^	^				1417
Customer specified CABLE LENGTH (add total length in meters). Can be loose cable connected at junction box, or built-in to transducer (long lead time).								^	^	^	^	^	^				See Cable Options
								^	^	^	^	^	^				
OPTIONS - ADD TO TRANSDUCER PRICE								^	^	^	^	^	^				**Add**
No options (Standard)								0	0	0	0	0	^				0
Foam faced								0	0	0	0	1	^				139
Submersible shield								1	0	0	0	0	^				102
3" ANSI flanged, PTFE faced								2	0	0	3	2	^				278
4" ANSI flanged, PTFE faced								2	0	0	4	2	^				323
													^				
ADDITIONAL APPROVALS - ADD TO TRANSDUCER PRICE													^				**Add**
cFMus Intrinsically Safe Class I, Div 1, Groups A,B,C,D; Class II, Div 1, Groups E,F,G; Class III, Div 1; T4 Ta = -40C to +75C; Type 4X													1				145

The dB25 transducer has an operating frequency of 30 kHz for long range applications in liquids, solids and powders. The dB25 is widely used in the mineral processing industries. 1 inch NPT or flanged process connections.

Standard cFMus Approved via Encapsulation (Ex mb): Suitable for use in Class I, II, and III, Division 1 and 2 Groups A, B, C, D, E, F and G indoor and outdoor Hazardous (Classified) Locations. Temperature Class T4 at an ambient of 75° C (167° F). Type 4X.

Must be combined with a compatible controller: Ultra 4, Ultra 5, Ultra Twin, Ultra FlowCERT, Zenith, Ultimate, or Blackbox

dB25	d	B	2	5									0	-	N	P	**$**
(warranty 2 years from despatch)					^	^	^	^	^	^	^	^	^				
CABLE LENGTH					^	^	^	^	^	^	^	^	^				**Base Prices**
32.8 foot (10m) cable connection					0	1	0	^	^	^	^	^	^				2028
98.4 foot (30m) cable connection					0	3	0	^	^	^	^	^	^				2206
Customer specified CABLE LENGTH (add total length in meters). Can be loose cable connected at junction box, or built-in to transducer (long lead time).								^	^	^	^	^	^				See Cable Options
								^	^	^	^	^	^				
OPTIONS - ADD TO TRANSDUCER PRICE								^	^	^	^	^	^				**Add**
No options (Standard)								0	0	0	0	0	^				0
Foam faced								0	0	0	0	1	^				139
Submersible shield								1	0	0	0	0	^				102
													^				

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ADDITIONAL APPROVALS - ADD TO TRANSDUCER PRICE		^		Add
cFMus Intrinsically Safe Class I, Div 1, Groups A,B,C,D; Class II, Div 1, Groups E,F,G; Class III, Div 1; T4 Ta = -40C to +75C; Type 4X		1		145

TRANSDUCERS - dB40

The dB40 transducer has an operating frequency of 20 kHz for high power and reliable operation in long range applications for liquids, solids and powders. 1 inch NPT process connections.

Standard cFMus Approved via Encapsulation (Ex mb): Suitable for use in Class I, II, and III, Division 1 and 2 Groups A, B, C, D, E, F and G indoor and outdoor Hazardous (Classified) Locations. Temperature Class T4 at an ambient of 75° C (167° F). Type 4X.

Must be combined with a compatible controller: Ultra 4, Ultra 5, Ultra Twin, Ultra FlowCERT, Zenith, Ultimate, or Blackbox

dB40	d	B	4	0									0	-	N	P	**$**
(warranty 2 years from despatch)					^	^	^	^	^	^	^	^	^				
CABLE LENGTH					^	^	^	^	^	^	^	^	^				**Base Prices**
32.8 foot (10m) cable connection					0	1	0	^	^	^	^	^	^				4745
98.4 foot (30m) cable connection					0	3	0	^	^	^	^	^	^				4945
Customer specified CABLE LENGTH (add total length in meters). Can be loose cable connected at junction box, or built-in to transducer (long lead time).								^	^	^	^	^	^				See Cable Options
								^	^	^	^	^	^				
OPTIONS - ADD TO TRANSDUCER PRICE								^	^	^	^	^	^				**Add**
No options (Standard)								0	0	0	0	0	^				0
Foam faced								0	0	0	0	1	^				139
													^				
ADDITIONAL APPROVALS - ADD TO TRANSDUCER PRICE													^				**Add**
cFMus Intrinsically Safe Class I, Div 1, Groups A,B,C,D; Class II, Div 1, Groups E,F,G; Class III, Div 1; T4 Ta = -40C to +75C; Type 4X													1				145

Pulsar Process Measurement TRANSDUCERS - mmWAVE RADAR

A highly accurate, narrow beam angle, 63GHz FMCW radar transducer providing very reliable level measurement, even under the most arduous conditions. The most compact and versatile radar transducer on the market.

For use on solids, powders, liquids or slurries. Compatible with all standard Pulsar controllers. Housing material VALOX 357U.

Range 3 inches to 26.2 or 52.5 feet
Accuracy ±0.08 inches
Resolution and repeatability ±0.04 inches
IP68 NEMA6
Process connection 1 inch NPT or flange
-40ºF to +176ºF

Must be combined with a compatible controller: Ultra 4, Ultra 5, Ultra Twin, Ultra FlowCERT, Zenith, Ultimate, or Blackbox

dBR8 mmWAVE RADAR	d	R	0	8				0	0	0	0	0	0	S	N	P	**$**
(warranty 2 years from despatch)					^	^	^	^	^	^	^	^					
CABLE LENGTH					^	^	^	^	^	^	^	^					**Base Prices**
32.8 foot (10m) cable connection					0	1	0	^	^	^	^	^					1528
98.4 foot (30m) cable connection					0	3	0	^	^	^	^	^					1712
Customer specified CABLE LENGTH (add total length in meters). Can be loose cable connected at junction box, or built-in to transducer (long lead time).								^	^	^	^	^					See Cable Options
								^	^	^	^	^					
OPTIONS - ADD TO TRANSDUCER PRICE								^	^	^	^	^					**Add**
2" ANSI flanged, PTFE faced								2	0	0	2	2					234
3" ANSI flanged, PTFE faced								2	0	0	3	2					278
4" ANSI flanged, PTFE faced								2	0	0	4	2					323

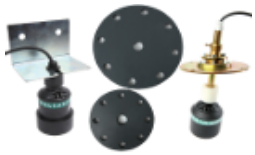
Pulsar Process Measurement TRANSDUCERS - mmWAVE RADAR

dBR16 mmWAVE RADAR	d	R	1	6						0	0	0	0	S	N	P	**$**
(warranty 2 years from despatch)					^	^	^	^	^	^	^	^					
CABLE LENGTH					^	^	^	^	^	^	^	^					**Base Prices**
32.8 foot (10m) cable connection					0	1	0	^	^	^	^	^					1806
98.4 foot (30m) cable connection					0	3	0	^	^	^	^	^					1995
Customer specified CABLE LENGTH (add total length in meters). Can be loose cable connected at junction box, or built-in to transducer (long lead time).								^	^	^	^	^					See Cable Options
								^	^	^	^	^					
OPTIONS - ADD TO TRANSDUCER PRICE								^	^	^	^	^					**Add**
2" ANSI flanged, PTFE faced								2	0	0	2	2					234

Docusign Envelope ID: 5AAC3B0F-98D3-4FB6-846D-D8C2D7CC5C6F

3" ANSI flanged, PTFE faced		2	0	0	3	2		278
4" ANSI flanged, PTFE faced		2	0	0	4	2		323

Pulsar Process Measurement
TRANSDUCERS - OPTIONS & ACCESSORIES



ADAPTORS (warranty 1 year from despatch)		$
BReez 1" Adaptor, for mounting to plate via rear-thread	BREEZ	44
1" x 20mm Adaptor, material Nylon 66 and 20mm nut	dBA0002	48

HINGED dB/dBi SERIES TRANSDUCER MOUNTING BRACKET (warranty 1 year from despatch)		$
	dBA0003	384

Designed for vertical wall mounting, providing a horizontal fixing for the transducer. The bracket is hinged at 100mm from wall, allowing the 600mm length to cantilever up for maintenance or access to the transducer. The 600mm horizontal length has 3 drilled holes of 22mm giving flexibility on site to choose which one is best for the installation. This length may be cut shorter on site, allowing one bracket to suit most well type applications. An eye bolt is fitted into the channel which connects to a looped steel cable and at the wall end a carabiner type connector on the end of a 1m length of cable. The CABLE LENGTH is also adjustable by a sliding loop lock.
There are 2 x 14mm holes in the wall mount pad. The bracket assembly is made of 'Hot Dipped Galvanised' steel, is rugged in construction and has a plastic end/top channel cover completing the clean package.

FIXED ANGLE BRACKET (90 DEGREE) dB/dBi SERIES (65mm reach) (warranty 1 year from despatch)		$
	dBA00040C	113
	dBA00040CS	113

The bracket is designed to allow fastening to a vertical wall where clear access to the target is available. The "C" bracket is made of 'Hot Dipped Galvanised' steel with 2 x 14mm holes for wall fixing and a 22mm hole and slot for the transducer adaptor to mount through. Bracket size is 150W x 100H x 100L mm. The "CS" bracket is made of 316 stainless steel.

FIXED ANGLE BRACKET (90 DEGREE) dB/dBi SERIES (150mm reach) (warranty 1 year from despatch)		$
	dBA00050C	139
d B	AA00050CS	156

The bracket is designed to allow fastening to a vertical wall where clear access to the target is available. The "C" bracket is made of 'Hot Dipped Galvanised' steel with 2 x 14mm holes for wall fixing and a 22mm hole and slot for the transducer adaptor to mount through. Bracket size is 150W x 100H x 175L mm. The "CS" bracket is made of 316 stainless steel.

FIXED ANGLE BRACKET (90 DEGREE) T-COMP & dB/dBi SERIES (warranty 1 year from despatch)		$
	dBA00060C	189
	dBA00060CS	262

The bracket is designed to allow fastening to a vertical wall where clear access to the target is available. The "C" bracket is made of 'Hot Dipped Galvanised' steel with 4 x 12mm holes for wall fixing, a 22mm hole and slot for the transducer adaptor and a 40mm dia hole to mount a remote temperature sensor and sunshield. Bracket size is 200W x 152H x 250L mm. The "CS" bracket is made of 316 stainless steel.

FIXED ANGLE BRACKET (90 DEGREE) IMP & dB/dBi SERIES (warranty 1 year from despatch)		$
	080A00080C	206
	080A00080CS	273

The bracket is designed to allow fastening to a vertical wall where clear access to the target is available. The "C" bracket is made of 'Hot Dipped Galvanised' steel with 2 x 14mm holes for wall fixing and a 22mm hole and slot for a transducer adaptor to mount through. It has both a 61mm dia hole and a 49mm dia hole to mount the IMP3 or IMP6. Bracket size is 150W x 100H x 340L mm. The "CS" bracket is made of 316 stainless steel.

SUN SHIELD (warranty 1 year from despatch)		$
	A-205-0039-A	89
Sun shield supplied separately for dB3, dB6, dB10 & dB15 transducers.		

DRIP SHIELD (warranty 1 year from despatch)		$
	A-601-0018-A	59

Docusign Envelope ID: 5AAC3B0F-98D3-4FB6-846D-D8C2D7CC5C6F

Drip shield supplied separately for dB3 transducer.

Pulsar Process Measurement
TRANSDUCERS - OPTIONS & ACCESSORIES

OPTION EXTRA SPARE CABLE FOR SPLICING - ADD TO 32.8 foot (10m) TRANSDUCER PRICE														**$**
Separate Transducer Cable for extending cable lengths via junction box (any length, supplied separately). Belden 8770: grey, 3 core with shield, 0.246 inch diameter. XXX = Distance in meters (1 meter = 3.28 ft)	d	B	-	C	A	B	L	E	-	X	X	X		$12.90 / m
Junction Box with 1 entry and 1 exit, includes strain relief fittings. NEMA4X.	J	B	2	X										65

OPTION EXTRA ATTACHED CABLE - ADD TO 32.8 foot (10m) TRANSDUCER PRICE (Check with sales for lead time)																	**$**
Longer integral cable lengths																	
164 feet (50 m)	d	B	*	*	0	5	0	*	*	*	*	*	*	-	*	*	523
328 feet (100 m)					1	0	0										1067

FLANGES (warranty 2 years from despatch)															**$**
PVC Flanges with central 1" NPT hole for mounting transducers within a standpipe using rear thread.															
2" ANSI	F	L	A	N	G	E	-	0	0	2	-	0	1	0	167
3" ANSI								0	0	3					189
4" ANSI								0	0	4					234

FLANGES (warranty 2 years from despatch)															**$**
PVC Flanges with central 1.5" NPT hole for mounting transducers within a standpipe via front thread mount.															
2" ANSI	F	L	A	N	G	E	-	0	0	2	-	0	1	5	178
3" ANSI								0	0	3					206
4" ANSI								0	0	4					245

FLANGES (warranty 2 years from despatch)															**$**
PVC Flanges with central 2" NPT hole for mounting transducers within a standpipe via front thread mount.															
2" ANSI	F	L	A	N	G	E	-	0	0	2	-	0	2	0	189
3" ANSI								0	0	3					217
4" ANSI								0	0	4					267

Docusign Envelope ID: 5AAC3B0F-98D3-4FB6-846D-D8C2D7CC5C6F

Pulsar Process Measurement
TRANSDUCERS - PRODUCT WEIGHTS

PRODUCT WEIGHTS	
dB3 x 32.8 ft (10 m) cable	3.3 lbs
dB3 x 98.4 ft (30 m) cable	7.7 lbs
dB6 & dB10 x 32.8 ft (10 m) cable	3.3 lbs
dB6 & dB10 x 98.4 ft (30 m) cable	7.7 lbs
dB15 x 32.8 ft (10 m) cable	3.7 lbs
dB15 x 98.4 ft (30 m) cable	8.2 lbs
dB25 x 32.8 ft (10 m) cable	4.2 lbs
dB25 x 98.4 ft (30 m) cable	8.6 lbs
dB40 x 32.8 ft (10 m) cable	14.1 lbs
dB40 x 98.4 ft (30 m) cable	18.5 lbs
4" ANSI Flange	1.4 lbs
3" ANSI Flange	1.1 lbs
Hinged Transducer Mounting Bracket	6.6 lbs
Fixed Angle Bracket (90 Degree) Transducer	3.7 lbs
Fixed Angle Bracket (90 Degree) IMP & Transducer	2.9 lbs

Docusign Envelope ID: 5AAC3B0F-98D3-4FB6-846D-D8C2D7CC5C6F

Pulsar Measurement
ULTRA 4

The Ultra 4 combines several state of the art, non-contacting ultrasonic level measurement instruments into one. A simple choice of Level, Distance, Volume, Pump Control and Open Channel Flow applications enables quick, hassle-free set up in just one controller. With a full keypad and large LCD matrix display showing schematic and digital level indication, with echo display option and easy set up menu. Micro SD card data logging is standard. The Ultra 4 has 3 Form C Relays and a transistor Solid State Relay output.

Must be combined with a compatible transducer: dB range or dBR range

Features:

100 - 240VAC
10 - 28VDC
SD card logging
Echo display

1 isolated 4-20mA output
1 pulse output
3 relays
UL & CE Approved

ULTRA 4	1	7	4		1	1	0	0	0	2	X	X	-	X	X	P	**$**
SERIES 174				^					^								
(warranty 2 years from despatch)				^					^								**Base Prices**
Wall mount enclosure with integral keypad IP67				1					^								1345
Fascia mount with integral keypad IP64				4					^								1484
									^								
Options - ADD TO ABOVE PRICES									^								**Add**
RS485 Modbus (opto-isolated)									1								178
HART Version 7 / mA output (opto-isolated) *									4								345

Pulsar Process Measurement ULTRA 5

The Ultra 5 combines even more world beating, full function, non-contacting ultrasonic level measurement instruments into one. A choice of Level, Distance, Volume, Pump Control, Differential and Open Channel applications can be set up in just one controller. With a large LCD full keypad and variable colour LEDs, status indication is never in question. 5 Relays, 4-20mA output. Easy to set up, but full spec and high performance. The "go to" ultrasonic system.

Must be combined with a compatible transducer: dB range or dBR range

Features: 115VAC
18 - 36VDC
5 off relay outputs
UL Approved

Accepts:
2 off transducers

RS232
1 isolated 4-20mA output

ULTRA 5	1	8	0				0	0	0	0	X	4	-	X	0	P	$
SERIES 180				^	^	^	^		^	^							
(warranty 2 years from despatch)				^	^	^	^		^	^							**Base Prices**
Wall mount enclosure with integral keypad IP65				1	1	1	^		^	^							1812
Fascia mount with integral keypad IP64				4	1	1	^		^	^							2167
				^			^		^	^							
OPTIONS - WALL MOUNT ONLY - ADD TO CONTROLLER PRICE				^					^	^							**Add**
SD Card Data Logger				1					^	2							373
									^	^							
OPTIONS - WALL & FASCIA MOUNT - ADD TO CONTROLLER PRICE									^	^							**Add**
RS485 Modbus option									1	1							478

ULTRA 5	1	8	0					0	0	0	X	4	-	X	0	P	$
WITH 4-20 mA INPUT OPTIONS				^	^	^	^		^	^							
(warranty 2 years from despatch)				^	^	^	^		^	^							**Base Prices**
Wall mount enclosure with integral keypad IP65				1	1	1	^		^	^							1956
Fascia mount with integral keypad IP64				4	1	1	^		^	^							2256
				^			^		^	^							
Active analog input - standard				^				1	^	^							
Passive analog input - optional				^				2	^	^							
				^					^	^							
OPTIONS - WALL MOUNT ONLY - ADD TO CONTROLLER PRICE				^					^	^							**Add**
SD Card Data Logger				1					^	2							356
									^	^							
OPTIONS - WALL & FASCIA MOUNT - ADD TO CONTROLLER PRICE									^	^							**Add**
RS485 Modbus option									1	1							467

Pulsar Process Measurement
ULTRA TWIN

Flexibility is the keyword for the Ultra Twin. Each channel is able to operate as a full function Open Channel Flow, Pump Control, Level, Distance or Volume measurement system either separately or in conjunction with each other. With a large and comprehensive display for each channel and variable colour LEDs Ultra Twin wall mount is clarity itself. 6 Relays, 2 off 4-20mA output, 4 digital inputs.

Must be combined with a compatible transducer: dB range or dBR range

Ultra Twin Wall Mount Features:

2 LCD displays
115VAC
18 - 30VDC
6 relay outputs
UL Approved
2 isolated 4-20mA outputs
4 digital inputs
RS232

ULTRA TWIN SERIES 192 WALL MOUNT (warranty 2 years from despatch)																$ Base Price
Wall mount enclosure with integral keypad IP65	1	9	2	1	1	1	0	2	0	0	X	4	-	X	0	P	2423
									^	^							
OPTIONS - ADD TO CONTROLLER PRICE									^	^							**Add**
SD Card Data Logger									^	2							373
RS485 Modbus option									1	1							478

Ultra Twin Fascia Mount has the same specification as the Ultra Twin Wall Mount, but only one LCD.

1 LCD display
115VAC
18 - 30VDC
6 relay outputs
UL Approved
2 isolated 4-20mA outputs
7 digital inputs
RS232

ULTRA TWIN SERIES 192 FASCIA MOUNT IP64 (warranty 2 years from despatch)																$ Base Price
Fascia mount enclosure with integral keypad IP64	1	9	2	4	1	1	0	2	0	0	X	4	-	X	0	P	2423
									^	^							
OPTIONS - ADD TO CONTROLLER PRICE									^	^							**Add**
RS485 Modbus option									1	1							478

Docusign Envelope ID: 5AAC3B0F-98D3-4FB6-846D-D8C2D7CC5C6F

Pulsar Process Measurement
ULTRA - FLOWCERT

FlowCERT provides everything needed for the very highest accuracy, non-contacting ultrasonic measurement of Open Channel Flows. It gives temperature-independent, reliable measurement and high capacity logging facilities and, comprehensive LCD and LED functions provide crystal clear indication. Transducer options include: DUET, dBMACH 3, dB6 or dBS6, the FlowCERT can also be used in conjunction with non-contact MicroFlow velocity sensor for area-velocity flow measurement without a flume or weir.

Must be combined with a compatible transducer: dB range or dBR range for level. MicroFlow, MicroFlow-i, or FarSight for velocity.

Features:

1 wall mount transceiver
115VAC
22 - 28VAC
5 relay outputs
RS485 for remote communications
2 isolated 4 - 20mA outputs
1 4 - 20mA input (Passive or Active)
RS232
Data logging
UL Approved

Note: When using RS485 communications - if MicroFlow option is required, then MicroFlow-i will be required to connect to the FlowCERT via 4-20mA input

FLOWCERT SERIES 150 (warranty 2 years from despatch)																**$ Base Prices**
Modbus RS-485 + Datalogging	1	5	2	1	1	1	5	2	1	1	X	4	-	X	0	P	2495
										^						
OPTIONS - ADD TO CONTROLLER PRICE										^						**Add**
SD Card Data Logger										2						384

Pulsar Process Measurement
ULTRA - ACCESSORIES

Tagging - stainless steel (warranty 1 year from despatch)	T	A	G	-	S	S									95
Hydro ranger adapter plate for fascia mount (warranty 2 years from despatch)	A	-	8	0	2	-	0	0	0	9	-	A			145
Hydro ranger 200 or Multi 100/200 adapter plate for Ultra fascia mount (warranty 2 years from despatch)	A	-	8	0	2	-	0	0	1	0	-	A			145
DIN Rail mounting clips for wall mount enclosures per pair (warranty 2 years from despatch)	D	I	N	-	C	L	I	P							14 per pair
Input data card for installation inside a PC to accept Ultra Scan (warranty 1 year from despatch)	R	S	4	8	5	-	C	A	R	D	-	P	C		545

SOFTWARE OPTIONS (warranty 1 year from despatch)												**$**
PC serial port to RJ11 lead and serial to USB converter including software release Dongle. To be used with PC suite containing Imp, Blackbox, Ultra series, Twin, Sludge Finder 2 and dBi HART software in one package. Software allows viewing and recording of echo traces and uploading and downloading of parameters via the instrument's RS232 RJ11 port. Software available for no charge download at pulsar-pm.com	P	C	L	E	A	D	-	D	-	P		162

Pulsar Process Measurement
ULTRA - MANUALS & WEIGHTS

MANUALS					**$**
Flow Cert Lite, series 150	M	1	5	0	95
Flow Cert, series 150	M	1	5	2	66
Ultra 3, series 170	M	1	7	0	95
Ultra 4, series 174	M	1	7	4	95
Ultra 5, series 180	M	1	8	0	95
Ultra Twin, series 192	M	1	9	2	95
Sludge Finder 2	M	9	2	0	95
CD containing all ultrasonic manuals	C	D	M		145
PC Ultra instruction manual	M	U	P	C	0
PC Ultra data logging instruction manual	M	U	D	L	0

PRODUCT WEIGHTS	
Fascia mounted transceiver unit	2.6 lbs
Wall mounted transceiver unit - small	2.6 lbs
Wall mounted transceiver unit - large	3.5 lbs
Ultra 4	1.5 lbs

Docusign Envelope ID: 5AAC3B0F-98D3-4FB6-846D-D8C2D7CC5C6F

Pulsar Measurement
INTELLIGENT CONTROLLERS - ZENITH

The Zenith 140 Intelligent Pump Controller is the complete ultrasonic pump station management system, offering unrivalled performance. It provides all commonly used pumping routines. By combining advanced ultrasonic level measurement with the control and monitoring of pumps and providing many other control functions, it is possible to eliminate a PLC by using a Zenith in a smaller station. Set-up could not be any more simple using a full keypad function, large multifunction LCD and six variable colour LEDs. Additional features include: patented Tariff Guard, Volumatic Throughput and Differential Measurement.

Must be combined with a compatible transducer: dB range or dBR range

Features:

115 VAC
18 - 30 VDC
6 relay outputs
1 isolated mA output

UL Approved
RS232
7 digital inputs
1 4-20mA input

ZENITH SERIES 140 (warranty 2 years from despatch)																$ Base Price
Fascia mount with integral keypad IP64 and 4-20 mA Input (Active)	1	4	0	4	1	1	1	0	0	0	X	4	-	X	0	P	2465
							^		^	^							
OPTIONS - ADD TO CONTROLLER PRICE							^		^	^							**Add**
Passive mA input - optional; Not typically stocked							2		^	^							0
RS485 Modbus option									1	1							523

SOFTWARE OPTIONS (warranty 1 year from despatch)												$
PC serial port to RJ11 lead and serial to USB converter including software release Dongle. To be used with PC suite containing Imp, Blackbox, Ultra series, Twin, Sludge Finder 2 and dBi HART software in one package. Software allows viewing and recording of echo traces and uploading and downloading of parameters via the instrument's RS232 RJ11 port. Software available for no charge download at pulsar-pm.com	P	C	L	E	A	D	-	D	-	P		162

Pulsar Process Measurement
ULTIMATE CONTROLLER

A control system that combines PLC, RTU and controller in one economic, easily programmed unit with dedicated web server, remote control and touch-screen HMI. Datalogging: Time Stamped >50,000 events. Supported protocols: TCP/IP, GSM/GPRS, Modbus RTU, Modbus ASCII, Profibus DPV0/V1, DNP3 and WITS DNP3. The unit is configurable in I/O standard modules each of which provide: 8 digital inputs, 8 relays, 2 analog inputs, 2 voltage inputs. SD card slot for datalogging and firmware upgrades.
Infrared camera for remote viewing of application/conditions/surveillance. Power monitor option additionally provides phase current inputs, main voltage input, insulation resistance test, pump reversing optional and Retroflo procedures.

Standard Unit Wall Mount IP65

Features:

Universal AC power supply 85 - 264V DC
power supply 22 - 28V
5.7" Capacitive touch TFT display 8
Relays
8 Digital inputs
8GB Ext SD Card for Downloading Datalogging UL
Approved

2 4-20mA input (passive or active) 2
Isolated mA outputs
Ethernet Camera
port
TCP / IP (Modbus TCP or Webserver)
2 dB Transducer inputs

ULTIMATE PUMP CONTROLLER	1	U	0		1	0	0	0	0	1	X	X	0	X	0	P	**$**
				^			^	^					^				
(warranty 2 years from despatch)				^			^	^					^				**Base Prices**
Wall mount with integral LCD touchscreen IP65				1			^	^					^				4873
Fascia mount with integral LCD touchscreen IP64				4			^	^					^				4884
							^	^					^				
OPTIONS - ADD TO CONTROLLER PRICE							^	^					^				**Add**
RS485 Modbus							^	1					4				339
Serial communications RS232							^						2				339
Modified unit with 8 relay outputs, 10 digital inputs and 2 mA outputs. Note: NO mA inputs.							D										256

PERIPHERAL DEVICES (warranty 2 years from despatch)										**$**
DIN rail mounted Ultimate expansion I/O Unit (doubles I/O)	1	U	0	A	0	0	0	1	S	2017
DIN rail mounted Ultimate input expansion unit with 40 off digital inputs, 8 off analogue inputs and 3 off digital pulse inputs	1	U	0	A	0	0	0	7	S	2017
DIN rail mounted power monitor - with Retroflo procedures	1	U	0	A	0	0	0	2	R	1512
The above require current detector input modules on each phase. These can be sourced separately direct from the manufacturer or supplied by Pulsar depending on the current requirements.										
DIN rail mounted battery back-up and float charger module. No battery included.	1	U	0	A	0	0	0	6	S	1167

Pulsar Process Measurement
ULTIMATE CONTROLLER - ACCESSORIES, MANUALS & WEIGHTS

CAMERAS										$
Camera with 5m cable (warranty 1 year from despatch)	1	U	0	A	0	0	5	3	S	1328
Camera with 10m cable (warranty 1 year from despatch)	1	U	0	A	0	1	0	3	S	1584
Camera with 30m cable (warranty 1 year from despatch)	1	U	0	A	0	3	0	3	S	1806

Hydro Ranger 200 or Multi 100/200 adapter plate for Ultimate fascia mount (warranty 2 years from despatch)	A	-	8	0	2	-	0	0	1	1	-	A	178

MANUALS					$
Zenith Pump Controller, series 140	M	1	4	0	107
Ultimate instruction manual	M	1	U	O	123
Ultimate peripherals manual	M	1	U	P	123

PRODUCT WEIGHTS	
Ultimate wall and fascia mounted transceiver units	5.5 lbs
Other fascia mounted transceiver units	2.6 lbs

Docusign Envelope ID: 5AAC3B0F-98D3-4FB6-846D-D8C2D7CC5C6F

Pulsar Measurement
BLACK BOX 130, ACCESSORIES & SOFTWARE

The Blackbox 130D is the simplest way to get high performance non-contact level measurement using the dB and dBR range of ultrasonic and radar transducers. It offers two programmable relays and an isolated mA output in an IP67 enclosure, powered by an AC or DC supply.

Must be combined with a compatible transducer: dB range or dBR range

Features:

115 VAC
10 - 28 VDC
50 - 60HZ
UL Approved

2 off relay outputs
1 off mA output
All tropicalised as standard

BLACK BOX 130 (warranty 2 years from despatch)																$ Base Prices
Level = 2 Relays + 4-20mA with Display and **Isolated** Output	1	3	0	D	1	1	0	0	0	0	X	4	-	X	0	P	1339

PC SUITE (warranty 1 year from despatch)											$
	P	C	L	E	A	D	-	D	-	P	162
PC serial port to RJ11 lead and serial to USB converter including software release Dongle. To be used with PC suite containing Imp, Blackbox, Ultra series, Twin, Sludge Finder 2 and dBi HART software in one package. Software allows viewing and recording of echo traces and uploading and downloading of parameters via the instrument's RS232 RJ11 port. Software available for no charge download at pulsar-pm.com											

MANUALS					
PC Black Box	M	1	3	0	66
PC Black Box with data logging	M	1	3	4	66

PRODUCT WEIGHTS	
Blackbox 130	0.7 kgs
Blackbox 130 with display	0.8 kgs
Blackbox 133	0.7 kgs
Blackbox 133 with display	0.8 kgs
Blackbox 134	0.7 kgs
Blackbox 134 with display	0.8 kgs
Blackbox 135	0.7 kgs
Blackbox 135 with display	0.8 kgs
Blackbox 136	0.5 kgs
Blackbox 136 with display	0.6 kgs

Docusign Envelope ID: 5AAC3B0F-98D3-4FB6-846D-D8C2D7CC5C6F

Blackbox

Pulsar Measurement
INTELLEGENT TRANSDUCERS - dBi3

The dBi3 intelligent transducer has an operating frequency of 125 kHz for high resolution in short range applications. 1 inch NPT or 1½ inch front-thread process connection. 3 degree effective beam angle. 2 wire, HART 4-20mA loop powered. Advanced digital echo discrimination is built in to the transducer head together with state of the art power saving circuitry enabling rapid measurement on an intermittent basis, low power usage and battery use down to 10VDC. All versions are fully potted IP68.

Special Protection for use in Class I, II, and III, Division 1, Groups A, B, C, D, E, F, and G indoor and outdoor Hazardous Locations in accordance with Control Drawing #D-804-1035-A, Temperature Class T4 for an ambient temperature range of -40F to 176F (-40C to 64C).

Intrinsically Safe (Entity) for use in Class I, II, and III, Division 1, Groups A, B, C, D, E, F, and G indoor and outdoor Hazardous Locations in accordance with Control Drawing #D-804-1035-A, Temperature Class T4 for an ambient temperature range of -40F to 147.2F (-40C to 64C).

dBi-3M with Modbus RTU over RS485. Ultra-low power consumption and 1 second boot time to take the first reading. 5-15VDC supply.

dBi3	D	I	0	3											N	P	**$**
(warranty 2 years from despatch)					^	^	^	^	^	^	^	^	^	^			
CABLE LENGTH					^	^	^	^	^	^	^	^	^	^			**Base Prices**
dBi3, 32.8 ft (10m) with drip shield					0	1	0	^	^	^	^	^	^	^			1200
dBi3, 98.4 ft (30m) with drip shield					0	3	0	^	^	^	^	^	^	^			1384
Customer specified CABLE LENGTH (add total length in metres)								^	^	^	^	^	^	^			See Cable Options
								^	^	^	^	^	^	^			
OPTIONS - ADD TO TRANSDUCER PRICE								^	^	^	^	^	^	^			**Add**
No options (Standard)								0	0	0	0	0	^	^			0
Submersible shield								1	0	0	0	0	^	^			84
1½" Front thread mount								5	0	1	5	0	^	^			102
1½" Front thread mount PVDF								5	0	1	5	4	0	^			212
													^	^			
HART 4-20mA FMc Class I, II, III, Div 1 Special Protection (Encapsulation)													0	H			0
HART 4-20mA FMc Class I, II, III, Div 1 Instrinsically Safe (Entity)													1	H			113
Modbus RTU (RS485, no FMc approvals)													I	M			113

Pulsar Process Measurement
INTELLEGENT TRANSDUCERS - dBi6

The dBi6 intelligent transducer has an operating frequency of 75 kHz for high resolution in medium range applications. 1 inch NPT, 1½ inch front-thread, or flanged process connection. 3 degree effective beam angle. 2 wire, HART 4-20mA loop powered. Advanced digital echo discrimination is built in to the transducer head together with state of the art power saving circuitry enabling rapid measurement on an intermittent basis, low power usage and battery use down to 10VDC. All versions are fully potted IP68.

Special Protection (Encapsulation) for use in Class I, II, and III, Division 1, Groups A, B, C, D, E, F, and G indoor and outdoor Hazardous Locations in accordance with Control Drawing #D-804-1035-A, Temperature Class T4 for an ambient temperature range of -40F to 176F (- 40C to 64C).

Intrinsically Safe (Entity) for use in Class I, II, and III, Division 1, Groups A, B, C, D, E, F, and G indoor and outdoor Hazardous Locations in accordance with Control Drawing #D-804-1035-A, Temperature Class T4 for an ambient temperature range of -40F to 147.2F (-40C to 64C).

dBi-6M with Modbus RTU over RS485. Ultra-low power consumption and 1 second boot time to take the first reading. 5-15VDC supply.

dBi6	D	I	0	6										N	P	**$**
(warranty 2 years from despatch)					^	^	^	^	^	^	^	^	^			
CABLE LENGTH					^	^	^	^	^	^	^	^	^			**Base Prices**
dBi6, 32.8 ft (10m) cable connection					0	1	0	^	^	^	^	^	^			1234
dBi6, 98.4 ft (30m) cable connection					0	3	0	^	^	^	^	^	^			1412
Customer specified CABLE LENGTH (add total length in metres)								^	^	^	^	^	^			See Cable Options
								^	^	^	^	^	^			
OPTIONS - ADD TO TRANSDUCER PRICE								^	^	^	^	^	^			**Add**
No options (Standard)								0	0	0	0	0	^			0
PVDF body & face								0	0	0	0	4	^			267
Submersible shield								1	0	0	0	0	^			84
1½" Front thread mount								5	0	1	5	0	^			102
1½" Front thread mount PVDF								5	0	1	5	4	^			212
2" ANSI flanged, PTFE faced								2	0	0	2	2	^			206
3" ANSI flanged, PTFE faced								2	0	0	3	2	^			245
4" ANSI flanged, PTFE faced								2	0	0	4	2	^			278
													^			
HART 4-20mA FMc Class I, II, III, Div 1 Special Protection (Encapsulation)													0	H		0
HART 4-20mA FMc Class I, II, III, Div 1 Instrinsically Safe (Entity)													1	H		113
Modbus RTU (RS485, no FMc approvals)													I	M		113

Pulsar Process Measurement
INTELLEGENT TRANSDUCERS - dBi10

The dBi10 intelligent transducer has an operating frequency of 50 kHz for high resolution in medium to long range applications. 1 inch NPT, 2 inch front-thred, or flanged process connection. 3 degree effective beam angle. 2 wire, HART 4-20mA loop powered. Advanced digital echo discrimination is built in to the transducer head together with state of the art power saving circuitry enabling rapid measurement on an intermittent basis, low power usage and battery use down to 10VDC. All versions are fully potted IP68.

Special Protection (Encapsulation) for use in Class I, II, and III, Division 1, Groups A, B, C, D, E, F, and G indoor and outdoor Hazardous Locations in accordance with Control Drawing #D-804-1035-A, Temperature Class T4 for an ambient temperature range of -40F to 176F (- 40C to 64C).

Intrinsically Safe (Entity) for use in Class I, II, and III, Division 1, Groups A, B, C, D, E, F, and G indoor and outdoor Hazardous Locations in accordance with Control Drawing #D-804-1035-A, Temperature Class T4 for an ambient temperature range of -40F to 147.2F (-40C to 64C).

dBi-10M with Modbus RTU over RS485. Ultra-low power consumption and 1 second boot time to take the first reading. 5-15VDC supply.

dBi10	D	I	1	0											N	P	**$**
(warranty 2 years from despatch)					^	^	^	^	^	^	^	^	^	^			
CABLE LENGTH					^	^	^	^	^	^	^	^	^	^			**Base Prices**
dBi10, 32.8 ft (10m) cable connection					0	1	0	^	^	^	^	^	^	^			1328
dBi10, 98.4 ft (30m) cable connection					0	3	0	^	^	^	^	^	^	^			1500
Customer specified CABLE LENGTH (add total length in metres)								^	^	^	^	^	^	^			See Cable Options
								^	^	^	^	^	^	^			
OPTIONS - ADD TO TRANSDUCER PRICE								^	^	^	^	^	^	^			**Add**
No options (Standard)								0	0	0	0	0	^	^			0
Foam faced								0	0	0	0	1	^	^			113
PVDF body & face								0	0	0	0	4	^	^			267
Submersible shield								1	0	0	0	0	^	^			84
2" Front thread mount								5	0	2	0	0	^	^			139
2" Front thread mount PVDF								5	0	2	0	4	^	^			256
2" ANSI flanged, PTFE faced								2	0	0	2	2	^	^			206
3" ANSI flanged, PTFE faced								2	0	0	3	2	^	^			245
4" ANSI flanged, PTFE faced								2	0	0	4	2	^	^			278
													^	^			
HART 4-20mA FMc Class I, II, III, Div 1 Special Protection (Encapsulation)													0	H			0
HART 4-20mA FMc Class I, II, III, Div 1 Instrinsically Safe (Entity)													1	H			113
Modbus RTU (RS485, no FMc approvals)													I	M			113

Pulsar Process Measurement
INTELLEGENT TRANSDUCERS - dBi10

The dBi15 intelligent transducer has an operating frequency of 41 kHz for high resolution in long range applications. 1 inch NPT or flanged process connections, IP68. 3 degree effective beam angle. 2 wire, HART 4-20mA loop powered. Advanced digital echo discrimination is built in to the transducer head together with state of the art power saving circuitry enabling rapid measurement on an intermittent basis, low power usage and battery use down to 10VDC. All versions are fully potted IP68.

Special Protection (Encapsulation) for use in Class I, II, and III, Division 1, Groups A, B, C, D, E, F, and G indoor and outdoor Hazardous Locations in accordance with Control Drawing #D-804-1035-A, Temperature Class T4 for an ambient temperature range of -40F to 176F (- 40C to 64C).

Intrinsically Safe (Entity) for use in Class I, II, and III, Division 1, Groups A, B, C, D, E, F, and G indoor and outdoor Hazardous Locations in accordance with Control Drawing #D-804-1035-A, Temperature Class T4 for an ambient temperature range of -40F to 147.2F (-40C to 64C).

dBi-15M with Modbus RTU over RS485. Ultra-low power consumption and 1 second boot time to take the first reading. 5-15VDC supply.

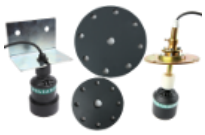
dBi15	D	I	1	5										N	P	**$**
(warranty 2 years from despatch)					^	^	^	^	^	^	^	^	^			
CABLE LENGTH					^	^	^	^	^	^	^	^	^			**Base Prices**
dBi15, 32.8 ft (10m) cable connection					0	1	0	^	^	^	^	^	^			1734
dBi15, 98.4 ft (30m) cable connection					0	3	0	^	^	^	^	^	^			1900
Customer specified CABLE LENGTH (add total length in metres)								^	^	^	^	^	^			See Cable Options
								^	^	^	^	^	^			
OPTIONS - ADD TO TRANSDUCER PRICE								^	^	^	^	^	^			**Add**
No options (Standard)								0	0	0	0	0	^			0
Foam faced								0	0	0	0	1	^			113
Submersible shield								1	0	0	0	0	^			84
3" ANSI flanged, PTFE faced								2	0	0	3	2	^			245
4" ANSI flanged, PTFE faced								2	0	0	4	2	^			278
													^			
HART 4-20mA FMc Class I, II, III, Div 1 Special Protection (Encapsulation)													0	H		0
HART 4-20mA FMc Class I, II, III, Div 1 Instrinsically Safe (Entity)													1	H		113
Modbus RTU (RS485, no FMc approvals)													I	M		113

Docusign Envelope ID: 5AAC3B0F-98D3-4FB6-846D-D8C2D7CC5C6F

PULSAR HART COMMUNICATOR MODEM **(warranty 1 year from despatch)**																	**$**
Enclosure	P	C	M	O	D	E	M	-	H	A	R	T	-	U	S	B	656
Moulded Buna-N Rubber with Stainless Steel Cover																	
Weight 0.4 lbs																	
Modem Dimensions 1.57 x 2.36 x 0.512 inches																	
USB Cable																	
Connector - USB Type A																	
Cable Length - 5.6 ft																	
Compatibility - USB 1.1 and USB 2.0																	
Active Current 30mA Max																	
HART																	
Termination - Crocodile Mini-clips																	
Lead - 1 ft High Flexibility Test Lead Wire																	
Connection Method - Transformer Isolated, Capacitor Coupled																	
DC Loop Voltage - 50Vdc Max																	
24V Mains Power Unit (to power dBi)																	
Environmental																	
Operating Temperature -4°F to 140°F (-20°C to 60°C)																	
Storage Temperature -40°F to 185°F (-40°C to 85°C)																	
The MicroFlow-i must be installed into a loop-powered circuit before calibration can be made. Supply power for the transducer is obtained from the loop.																	
Includes PC Suite "Dongle" and Lead																	

Docusign Envelope ID: 5AAC3B0F-98D3-4FB6-846D-D8C2D7CC5C6F

Pulsar Process Measurement
TRANSDUCERS - OPTIONS & ACCESSORIES



ADAPTORS (warranty 1 year from despatch)		$
BReez 1" Adaptor, for mounting to plate via rear-thread	BREEZ	44
1" x 20mm Adaptor, material Nylon 66 and 20mm nut	dBA0002	48

HINGED dB/dBi SERIES TRANSDUCER MOUNTING BRACKET (warranty 1 year from despatch)		$
	dBA0003	384

Designed for vertical wall mounting, providing a horizontal fixing for the transducer. The bracket is hinged at 100mm from wall, allowing the 600mm length to cantilever up for maintenance or access to the transducer. The 600mm horizontal length has 3 drilled holes of 22mm giving flexibility on site to choose which one is best for the installation. This length may be cut shorter on site, allowing one bracket to suit most well type applications. An eye bolt is fitted into the channel which connects to a looped steel cable and at the wall end a carabiner type connector on the end of a 1m length of cable. The CABLE LENGTH is also adjustable by a sliding loop lock. There are 2 x 14mm holes in the wall mount pad. The bracket assembly is made of 'Hot Dipped Galvanised' steel, is rugged in construction and has a plastic end/top channel cover completing the clean package.

FIXED ANGLE BRACKET (90 DEGREE) dB/dBi SERIES (65mm reach) (warranty 1 year from despatch)		$
	dBA0004C	113
	dBA0004CS	113

The bracket is designed to allow fastening to a vertical wall where clear access to the target is available. The "C" bracket is made of 'Hot Dipped Galvanised' steel with 2 x 14mm holes for wall fixing and a 22mm hole and slot for the transducer adaptor to mount through. Bracket size is 150W x 100H x 100L mm. The "CS" bracket is made of 316 stainless steel.

FIXED ANGLE BRACKET (90 DEGREE) dB/dBi SERIES (150mm reach) (warranty 1 year from despatch)		$
	dBA0005C	139
d B	A0005CS	156

The bracket is designed to allow fastening to a vertical wall where clear access to the target is available. The "C" bracket is made of 'Hot Dipped Galvanised' steel with 2 x 14mm holes for wall fixing and a 22mm hole and slot for the transducer adaptor to mount through. Bracket size is 150W x 100H x 175L mm. The "CS" bracket is made of 316 stainless steel.

FIXED ANGLE BRACKET (90 DEGREE) T-COMP & dB/dBi SERIES (warranty 1 year from despatch)		$
	dBA0006C	189
	dBA0006CS	262

The bracket is designed to allow fastening to a vertical wall where clear access to the target is available. The "C" bracket is made of 'Hot Dipped Galvanised' steel with 4 x 12mm holes for wall fixing, a 22mm hole and slot for the transducer adaptor and a 40mm dia hole to mount a remote temperature sensor and sunshield. Bracket size is 200W x 152H x 250L mm. The "CS" bracket is made of 316 stainless steel.

FIXED ANGLE BRACKET (90 DEGREE) IMP & dB/dBi SERIES (warranty 1 year from despatch)		$
	080A0008C	206
	080A0008CS	273

The bracket is designed to allow fastening to a vertical wall where clear access to the target is available. The "C" bracket is made of 'Hot Dipped Galvanised' steel with 2 x 14mm holes for wall fixing and a 22mm hole and slot for a transducer adaptor to mount through. It has both a 61mm dia hole and a 49mm dia hole to mount the IMP3 or IMP6. Bracket size is 150W x 100H x 340L mm. The "CS" bracket is made of 316 stainless steel.

SUN SHIELD (warranty 1 year from despatch)		$
	A-2050-00391-A	89
Sun shield supplied separately for dB3, dB6, dB10 & dB15 transducers.		

DRIP SHIELD (warranty 1 year from despatch)		$
	A-6010-00180-A	59
Drip shield supplied separately for dB3 transducer.		

Docusign Envelope ID: 5AAC3B0F-98D3-4FB6-846D-D8C2D7CC5C6F

Pulsar Process Measurement
INTELLEGENT TRANSDUCERS - OPTIONS & ACCESSORIES

OPTION EXTRA SPARE CABLE FOR SPLICING - ADD TO 32.8 foot (10m) TRANSDUCER PRICE														**$**
Separate Transducer Cable for extending cable lengths via junction box (any length, supplied separately). Belden 8770: grey, 3 core with shield, 0.246 inch diameter. XXX = Distance in meters (1 meter = 3.28 ft)	d	B	-	C	A	B	L	E	-	X	X	X		$12.90 /m
Junction Box with 1 entry and 1 exit, includes strain relief fittings. NEMA4X.	J	B	2	X										58

OPTION EXTRA CABLE - ADD TO 32.8 ft (10m) TRANSDUCER PRICE																		**$**
Longer integral cable lengths																		
164 feet (50 m)	d	B	*	*	0	5	0	*	*	*	*	*	*	-	*	*		489
328 feet (100 m)					1	0	0											1034

FLANGES **(warranty 2 years from despatch)**															**$**
PVC Flanges with central 1" NPT hole for mounting transducers within a standpipe using rear thread.															
2" ANSI	F	L	A	N	G	E	-	0	0	2	-	0	1	0	167
3" ANSI								0	0	3					189
4" ANSI								0	0	4					234

FLANGES (warranty 2 years from despatch)		$
PVC Flanges with central 1.5" NPT hole for mounting transducers within a standpipe via front thread mount.		
2" ANSI	FLANGE-002-015	173
3" ANSI	003	195
4" ANSI	004	234

FLANGES (warranty 2 years from despatch)		$
PVC Flanges with central 2" NPT hole for mounting transducers within a standpipe via front thread mount.		
2" ANSI	FLANGE-002-020	184
3" ANSI	003	212
4" ANSI	004	262

MANUALS		$
dBi HART Transducer Manual	MDBI-HART	59

Pulsar Process Measurement INTELLEGENT TRANSDUCERS - WEIGHTS

PRODUCT WEIGHTS	
dBi3 x 32.8 ft (10m) cable	2.4 lbs
dBi6 & dBi10 x 32.8 ft (10m) cable	2.4 lbs
dBi15 x 32.8 ft (10m) cable	3.1 lbs
4" ANSI Flange / 100 DIN	1.3 lbs
3" ANSI Flange / 80 DIN	1.1 lbs
Hinged Transducer Mounting Bracket	6.6 lbs
Fixed Angle Bracket (90 Degree) Transducer	3.7 lbs
Fixed Angle Bracket (90 Degree) IMP & Transducer	2.9 lbs

Pulsar Measurement
IMP - 2 OR 3 WIRE

Pulsar's IMP is a compact, low cost ultrasonic level measurement system. All-in-one self contained units with the benefit of digital echo processing specially designed for the IMP. Programme via the integral keypad or using software that allows the user to programme the unit, view and download echo profiles and parameters.

IMP - A 2 OR 3 WIRE DEVICE OFFERING:
4 digit LCD display
4 button programming
RS232 port
2 wire
Sink or source output
3.6 to 22mA isolated
3 wire
Accepts 11 - 30V DC supply
Backlit LCD
0-10V DC output
4-20mA non isolated Sink (Passive)
2 relays 1A SPDT 30V DC or AC

IMP 2 or 3 WIRE	0	8	0			G	1	3	0	0	0	X	-	X	2	P	$
Series 080				^	^												
(warranty 2 years from despatch)				^	^												Base Prices
9.84 foot (3m) range version, universal thread (green)				0	3												1339
19.7 foot (6m) range version, universal thread (green)				0	6												1373
32.8 foot (10m) range version, universal thread (green)				1	0												1539

IMP PVDF	0	8	0			G	1	3	0	0	0	4	-	X	2	P	$
Series 080				^	^												
(warranty 2 years from despatch)				^	^												Base Prices
9.84 foot (3m) range PVDF version, universal thread (green)				0	3												1400
19.7 foot (6m) range PVDF version, universal thread (green)				0	6												1423
32.8 foot (10m) range PVDF version, universal thread (green)				1	0												1595

IMP LITE - A LOW COST 2 WIRE LOOP POWERED DEVICE OFFERING:
4 digit LCD display
4 button programming
RJ11 RS232 port
3.6 to 22mA isolated
11-30V DC

IMP LITE	0	8	2			G	1	3	0	0	0	X	-	X	2	P	$
Series 080				^	^												
(warranty 2 years from despatch)				^	^												Base Prices
9.84 foot (3m) range version (IMP 3), universal thread (green)				0	3												1089
19.7 foot (6m) range version (IMP 6), universal thread (green)				0	6												1112
32.8 foot (10m) range version (IMP 10), universal thread (green)				1	0												1273

IMP LITE PVDF	0	8	2			G	1	3	0	0	0	4	-	X	2	P	$

Series 080 **(warranty 2 years from despatch)**	^	^	**Base Prices**
9.84 foot (3m) range PVDF version (IMP 3), universal thread (green)	0	3	1195
19.7 foot (6m) range PVDF version (IMP 6), universal thread (green)	0	6	1223
32.8 foot (10m) range PVDF version (IMP 10), universal thread (green)	1	0	1395

Pulsar Process Measurement
IMP - 2 WIRE WITH I.S. APPROVAL & ACCESSORIES

Intrinsically safe to ATEX [Ex] Eex ia II C TA (Tamb = -40ºC to +80ºC) or
IEC Ex Ex ia IIC TA (Tamb -40ºC to +80ºC)
Sink or source output
3.6 to 22mA isolated 17 - 28V DC (at terminals)

IMP 2 WIRE INTRINSICALLY SAFE Series 81 (warranty 2 years from despatch)	0	8	1			E	1	3	0	0	0	X	-	X	2	P	$ Base Prices
				^	^						^						
				^	^						^						
9.84 foot (3m) range version (IMP 3), universal thread (ebony/black)				0	3						^						1389
19.7 foot (6m) range version (IMP 6), universal thread (ebony/black)				0	6						^						1412
32.8 foot (10m) range version (IMP 10), universal thread (ebony/black)				1	0						^						1584
											^						
ADDITIONAL APPROVALS											^						**Add**
IEC Ex Certificate IEC Ex Ex ia IIC TA (Tamb -40ºC to +80ºC)											Z						0

IMP 2 WIRE INTRINSICALLY SAFE PVDF Series 81 (warranty 2 years from despatch)	0	8	1			E	1	3	0	0	0	4	-	X	2	P	$ Base Prices
				^	^						^						
				^	^						^						
9.84 foot (3m) range PVDF version (IMP 3), universal thread (ebony/black)				0	3						^						1495
19.7 foot (6m) range PVDF version (IMP 6), universal thread (ebony/black)				0	6						^						1528
32.8 foot (10m)range PVDF version (IMP 10), universal thread (ebony/black)				1	0						^						1689
											^						
ADDITIONAL APPROVALS											^						**Add**
IEC Ex Certificate IEC Ex Ex ia IIC TA (Tamb -40ºC to +80ºC)											Z						0

FIXED ANGLE BRACKET (90 DEGREE) IMP & dB/dBi SERIES (warranty 1 year from despatch)											$
	0	8	0	A	0	0	0	8	C		206
	0	8	0	A	0	0	0	8	C	S	273

The bracket is designed to allow fastening to a vertical wall where clear access to the target is available. The "C" bracket is made of 'Hot Dipped Galvanised' steel with 2 x 14mm holes for wall fixing and a 22mm hole and slot for a transducer adaptor to mount through. It has both a 61mm dia hole and a 49mm dia hole to mount the IMP3 or IMP6. Bracket size is 150W x 100H x 340L mm. The "CS" bracket is made of 316 stainless steel.

PC SUITE (warranty 1 year from despatch)											$
	P	C	L	E	A	D	-	D	-	P	162

PC serial port to RJ11 lead and serial to USB converter including software release Dongle. To be used with PC suite containing Imp, Blackbox, Ultra series, Twin, Sludge Finder 2 and dBi HART software in one package. Software allows viewing and recording of echo traces and uploading and downloading of parameters via the instrument's RS232 RJ11 port. Software available for no charge download at pulsar-pm.com

MANUALS					$
IMP, Series 80	M	0	8	0	66

PRODUCT WEIGHTS	
IMP 3 & 6	2.4 lbs
IMP 10	6.6 lbs
Fixed Angle Bracket (90 Degree) IMP & Transducer	6.6 lbs

Pulsar Measurement
FarSight

Providing the highest confidence in challenging velocity measurement applications while maintaining maximum performance.

Features:
Excellent low-velocity measurement capabilities (0.2 m/s / 0.66 ft/s)
Larger beam width (3m)
Low power consumption with support for complete power-off between measurements Easy installation with automatic built-in tilt compensation (30-50 degrees)
Rainfall interference discrimination
Bi-directional measurement capability
Modbus output for connection to Pulsar Measurement controller or third-party RTUs or loggers

	F	S	0	1	0	4	0	0	0	N		Base Price
FarSight Velocity Sensor with 32.8 ft (10 m) Integral Cable												**$4,667**
(warranty 2 years from despatch)			^	^	^					^		**Add**
FarSight velocity sensor with 32.8 ft (10 m) integral cable			0	1	0					^		0
65.6 ft (20 m) integral cable †			0	2	0					^		88
98.4 ft (30 m) integral cable			0	3	0					^		178
164 ft (50m) integral cable †			0	5	0					^		378
328 ft (100 m) iintegral cable †			1	0	0					^		795
										^		
Options										^		**Add**
1-inch NPT rear-thread										N		0
1-inch BSP rear-thread †										0		0

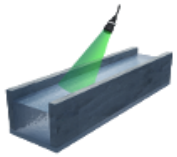
† **Important:** Options with this marking are not standard lead-time items. Check before quoting lead times.
RENTAL OPTIONS: Please contact your regional sales manager to discuss rental opportunities and pricing

Pulsar Measurement
FarSight - ACCESSORIES

MOUNTING BRACKET (warranty 1 year from despatch)													**$**
FarSight/MicroFlow and dB/Reflect Transducer Bracket with 45° angle made of mild steel bright zinc electroplated.	d	B	A	0	0	0	8	M	F	C			217
FarSight/MicroFlow and dB/Reflect Transducer bracket with 45° angle made of 316 stainless steel.	d	B	A	0	0	0	8	M	F	C	S		156

Pulsar Measurement
MICROFLOW

A ground breaking compact and low cost, IP68 microwave sensor for non-contact, non-invasive liquid velocity measurement with RS485 connectivity. Supplied complete with a CD containing PC set up software and an interconnecting lead. Easy to install flow measurement in open channels without the need for a flume or weir, by calculating area-velocity in the channel when used in conjunction with FlowCERT/Ultimate and dB Transducer. Velocity range 0.66 - 19.7 ft/s.



Must be combined with a compatible controller: Ultra FlowCERT or Ultimate

MICROFLOW VELOCITY SENSOR WITH 32.8 ft INTEGRAL CABLE (warranty 2 years from despatch)	d	R	F	S	^	^	^	0	0	0	0	0	0	S	N	P	$ Base Prices
MicroFlow velocity sensor with 32.8 ft (10 m) integral cable					0	1	0										2239
98.4 ft (30 m) integral cable					0	3	0										2484
Customer specified CABLE LENGTH (add total length in metres)																	See Below

MICROFLOW-i

The worlds first 2 wire loop powered, low cost, non-contacting microwave Liquid Velocity Sensor. Functionally the same as MicroFlow above, but with 4-20mA and HART output. Supplied complete with a CD containing basic set up software that can be utilised with a HART Modem (available from Pulsar, see below, or others). Typical application is to calculate area-velocty in a sewer network or open channel when used in conjunction with dBi loop-powered level sensor. Additional battery power supply and associated electronic logger supplied by others.

Can be used as stand-alone sensor or as a 4-20mA input to compatible Pulsar controllers: Ultra FlowCERT or Ultimate

MICROFLOW-i (warranty 2 years from despatch)	d	R	F	I	^	^	^	0	0	0	0	0	1	H	N	P	$ Base Prices
MicroFlow-i velocity sensor with 32.8 ft (10m) integral cable					0	1	0										3100
98.4 ft (30m) integral cable					0	3	0										3334

OPTION EXTRA SPARE CABLE FOR SPLICING - ADD TO 32.8 foot (10m) TRANSDUCER PRICE													$
Separate Transducer Cable for extending cable lengths via junction box (any length, supplied separately). Belden 8770: grey, 3 core with shield, 0.246 inch diameter. XXX = Distance in meters (1 meter = 3.28 ft)	d	B	-	C	A	B	L	E	-	X	X	X	$12.90 / m
Junction Box with 1 entry and 1 exit, includes strain relief fittings. NEMA4X.	J	B	2	X									65

OPTION EXTRA CABLE - ADD TO 10m MICROFLOW PRICE																	$
Longer integral cable lengths																	
164 feet (50 m)	d	R	F	*	0	5	0	*	*	*	*	*	*	-	*	*	545
328 feet (100 m)					1	0	0										1105

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Pulsar Measurement
MICROFLOW - ACCESSORIES

| | | |

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Pulsar Measurement
FLOWPULSE

A very cost effective clamp-on, non-intrusive, flow monitor for liquids and slurries with versatile diffracted spread spectrum analysis signal processing. Repeatable flow indication levels of liquids and slurries. Housed in an IP67 316 cast stainless steel housing. Application parameters are: Flow velocity range 1 to 13 ft/s and having greater than 200 ppm particle concentration, pipe sizes 1.18 inches OD and above, with RS485 and 4-20mA output.

FLOWPULSE **560 SERIES** **(warranty 2 years from despatch)**																	**$** **Base Price**
Supply voltage 18-28VDC 125mA	5	6	0	1	S	1	1	1	1	X	X	X	X	X	0	P	2139
Output 4-20mA maximum impedance 1 kΩ				^						^							
RS485 Modbus RTU				^						^							
1 Form C relay rated 1amp at 24VDC				^						^							
Repeatability - typically better than ± 5%				^						^							
All output options available via 10 core screened cable				^						^							
Pipe size 1-12 inch				^						^							
				^						^							
Includes:				^						^							
Flow Pulse PC on CD				^						^							
Stainless steel pipe banding				^						^							
2 x 4 inch gel tape (enough for 2 fixings)				^						^							
PC connecting lead				^						^							
				^						^							
OPTIONS - ADD TO FLOWPULSE PRICE				^						^							**Add**
Pipe size 1 - 48 inches				2						^							1406
Pipe size 1 - 78 inches				3						^							1845
										^							
High Flow (32.8 ft/s)										H							234

IP68 version of the above complete with 10 core screened integrated 5m cable for connection to wall mount monitor, handheld display or fully stand alone unit. RS485 to USB convertor instead of PC connecting lead.

FlowPulse IP68 **560 SERIES** **(warranty 2 years from despatch)**																	**$** **Base Price**
Supply voltage 18-28VDC 125mA	5	6	0	1	S	1	P	2	1	X	0	5	X	X	0	P	2395
Output 4-20mA maximum impedance 1 kΩ				^							^	^					
RS485 Modbus RTU				^							^	^					
1 Form C relay rated 1amp at 24VDC				^							^	^					
Repeatability - typically better than ± 5%				^							^	^					
All output options available via 10 core screened cable				^							^	^					
Pipe size 1-12 inches				^							^	^					
				^							^	^					
Includes:				^							^	^					
Stainless steel pipe banding				^							^	^					
2 x 4 inch gel tape (enough for 2 fixings)				^							^	^					
Complete with 16.4 ft cable				^							^	^					
				^							^	^					
ADDITIONAL LEAD LENGTHS - ADD TO FLOWPULSE IP68 PRICE				^							^	^					**Add**
Pipe size 1-12 inches - 32.8 ft cable				^							1	0					66
65.6 ft cable				^							2	0					162
98.4 ft cable				^							3	0					245

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	^		
Pipe size 1 - 48 inches	2		1406
Pipe size 1 - 78 inches	3		1845

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Pulsar Process Measurement
FLOWPULSE

IP67 wall mounting display unit giving visual indication of velocity, flow rate and total flow with back lit LCD display unit with key pad for Flow Pulse calibration

FLOWPULSE WALL MOUNTED MONITOR (warranty 2 years from despatch)										**$**
Back lit LCD display, RS485 input. 2 off configurable relay outputs rated 2A at 240VAC, 4-20mA output.	5	6	0	A	0	0	2	S		1456

FLOWPULSE HANDHELD DISPLAY WITH INTERNAL BATTERIES (warranty 2 years from despatch)										**$**
Handheld Display with keypad, USB port, mains and vehicle battery chargers and connecting cables for Flow Pulse powers the FlowPulse in-built Lion battery for remote flow monitoring or determining blockages.	5	6	0	A	0	0	4	S		2828

OPTIONS (warranty 1 year from despatch)														**$**
Reel of spare gel tape	5	6	0	A	0	0	3							79/m
Sprint carry case (to house Flow Pulse, handheld display, mains adaptor and cable)	5	6	0	A	0	0	5							317
Large carry case (to house Flow Pulse, handheld display, mains adaptor, wall mount unit and cable)	A	-	6	0	2	-	0	0	4	8	-	A		1056
Connector cable 5m - Flow Pulse to Handheld Monitor	5	6	0	A	0	1	3							145
Connector cable 5m - Flow Pulse IP68 to Handheld Monitor	5	6	0	A	0	1	4							178
Additional stainless steel pipe banding per 1.6m diameter length (for 500mm diameter pipe). Lengths may be joined for larger pipes.	A	-	5	1	1	-	0	0	0	8	-	A		66
PC connection lead with USB convertor (no dongle)	P	C	L	E	A	D	-	U	-	P				178

MANUALS					**$**
Flow Pulse 560 Series	M	5	6	0	72
Flow Pulse Wall Monitor Manual	M	5	6	2	72
Flow Pulse Handheld Monitor Manual	M	5	6	4	72

PRODUCT WEIGHT	
560 Unit	2.2 lbs

Pulsar Measurement
PULSAR GUARD

The 2010 series of process protection units use a unique state of the art sound wave technology to detect changes in structure borne acoustic emissions from rotating equipment and materials in motion. The 2010 is non-invasive and simply bolts to the structure to monitor process variants. The sensor detects noise caused by impacts, cavitations and friction within the structure on a side frequency band width of 100 kHz-600 kHz, making it sensitive to the slightest change in process conditions, but also being immune to audible noise or vibration caused by plant machinery.

Supply voltage range = 23V to 30V DC except Pulsar Guard 2010 series 2011Z = 24V to 26V DC (figures quoted refer to the voltages as measured on the safe side of the safety barriers in IS systems), all sensors reverse polarity protected to 50V. Pulsar Guard sensor housing rated to IP68/NEMA 4 on all units.

Current consumption = typically 15mA.

PULSAR GUARD														$
2010 ACOUSTIC SENSOR (warranty 2 years from despatch)														
Standard version non intrinsically safe, includes 13.1 ft (4m) cable	2	0	0	2	0	1	0	P	S	0	0	4		1200
Standard version non intrinsically safe, includes 32.8 ft (10m) cable	2	0	0	2	0	1	0	P	S	0	1	0		1295
2015 ACOUSTIC SENSOR (warranty 2 years from despatch)														
High temperature version -40°F to 257°F (-40ºC to +125ºC), identified by "HT" stamped on mounting tab. Non intrinsically safe, includes 13.1 ft (4m) cable.	2	0	0	2	0	1	5	P	S	0	0	4		1406
High temperature version -40°F to 257°F (-40ºC to +125ºC), identified by "HT" stamped on mounting tab. Non intrinsically safe, includes 32.8 ft (10m) cable.	2	0	0	2	0	1	5	P	S	0	1	0		1500
2011Z ACOUSTIC SENSOR (warranty 2 years from despatch)														
Suitable for use with Zenner barriers only. This system requires connection to an intrinsically safe earth. Zenner barriers are a cheaper option to galvanic isolating barriers. Identified by "Z" stamped on mounting tab. Intrinsically safe, includes 13.1 ft (4m) cable.	2	0	0	2	0	1	1	Z	P	S	0	4		1795
Suitable for use with Zenner barriers only. This system requires connection to an intrinsically safe earth. Zenner barriers are a cheaper option to galvanic isolating barriers. Identified by "Z" stamped on mounting tab. Intrinsically safe, includes 32.8 ft (10m) cable.	2	0	0	2	0	1	1	Z	P	S	1	0		1889
2011G ACOUSTIC SENSOR (warranty 2 years from despatch)														
Suitable for use with galvanic isolating barriers only. This system does not require connection to an intrinsically safe earth. This is a more expensive option to Zenner barriers. Identified by "G" stamped on mounting tab. Intrinsically safe, includes 13.1 ft (4m) cable.	2	0	0	2	0	1	1	G	P	S	0	4		1712
Suitable for use with galvanic isolating barriers only. This system does not require connection to an intrinsically safe earth. This is a more expensive option to Zenner barriers. Identified by "G" stamped on mounting tab. Intrinsically safe, includes 32.8 ft (10m) cable.	2	0	0	2	0	1	1	G	P	S	1	0		1806
OPTIONS - ADD TO SENSOR PRICE														
Additional cable standard sensor 2010. Standard version includes 13.1 ft (4m) cable, therefore a 32.8 ft (10m) version would require an additional 6m. State additional cable length (xx) metres. Add suffix	A	-	5	0	5	-	0	0	0	3	-	x	x	33/mtr
Additional cable standard sensor 2015. Standard version includes 13.1 ft (4m) cable, therefore a 32.8 ft (10m) version would require an additional 19.7 ft (6m). State additional cable length (xx) metres. Add suffix	A	-	5	0	5	-	0	0	0	4	-	x	x	53/mtr

APPROVALS - 2011Z and 2011G

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ATEX [Ex] II 1G and IM1
EEx ia I/IIC T6
EEx ia I/IIC T5 (Tamb = -20ºC to +75ºC)
EEx ia I/IIC T4 (Tamb = -20ºC to +92ºC)

PULSAR GUARD

An IP65 fascia mounted process monitor and controller configured to operate with 2010 Sensor and provide the following indication and output options:

2020 SERIES (warranty 1 year from despatch)													**$**
4 Digit red LED with panel cutout 92x45mm (DIN 43700) Power consumption 6VA Maximum (with options fitted) Environmental: IP 65 fascia / Ambient Operating Temp: -22°F to 140°F (-30ºC to + 60ºC) **Process Spec:** 0 - 1 Volts /1 - 5 Volts/ 0 - 10 Volts Current range: 0 - 20mA/ 4 - 20mA/ 0 - 10 mA Power supply: S1 version 90 - 253 VAC 50/60 Hz	2	0	0	2	0	2	0	A	C	P	S		700
Power supply: S2 version 20 - 35VDC	2	0	0	2	0	2	0	D	C	P	S		739

OPTIONAL PODS PROVIDE: (warranty 1 year from despatch)																**$**
Relay outputs 2 @ 7A at 250V AC or 7A at 30V.	2	0	0	P	O	D	3	0	0	0	0	2	P	S		267
Re-transmission pod: Min output >0mA, Max output<23mA.	2	0	0	P	O	D	3	0	0	0	0	3	P	S		195
Modbus RTU serial comms pod: 4 wire or 2 wire half duplex. 19200 or 9600 Band	2	0	0	P	O	D	3	0	0	0	0	5	P	S		295

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Pulsar Measurement
SLUDGE FINDER

Pulsar's Sludge Finder 2 is an industry leading versatile, accurate and reliable solution to the problem of accurately measuring interface levels in primary or secondary settlement tanks and SBR sonar. Operating ultrasonically through liquid, Sludge Finder 2 uses sophisticated state-of-the-art, well proven echo processing algorithms to identify the settlement level within the liquid. Sludge Finder 2 is a two channel unit enabling the use of 2 Viper transducers or 1 Viper transducer for interface and 1 dB transducer for liquid level.

Must be combined with a compatible transducer: VT10 Viper or ST10

Features:

2 Channel system for interface or level measurement
2 4-20mA outputs
6 Relays
RS232

115 VAC
22 - 28 VDC
UL Approved

SLUDGE FINDER 2 **(warranty 2 years from despatch)**																	**$** **Base Price**
Sludge Finder 2 wall mount IP65 enclosure with integral keypad	9	2	0	1	1	1	0	2	0	0	X	4	X	X	0	P	2784
									^	^							
OPTIONS - ADD TO SLUDGE FINDER 2 PRICE									^	^							**Add**
Sludge Finder 2 complete with Modbus comms									1	1							456

TRANSDUCERS FOR USE WITH SLUDGE FINDER 2 **(warranty 1 year from despatch)**																	**$** **Base Price**
VT10 Viper (auto clean) Transducer 10m cable	V	T	1	0	0	1	0	0	0	0	0	0	0	X	N	P	4889
ST10 Flammable atmosphere approved Transducer 10m cable - ATEX [Ex] II 2GD **EEx m** II T6 (Tamb = -40°F to 167°F; -40°C to +75°C)	S	T	1	0	0	1	0	0	0	0	0	0	1	X	N	P	4962
					^	^	^										
OPTIONS - ADD TO TRANSDUCER PRICE					^	^	^										**Add**
Transducer with 65.6 ft (20m) cable					^	2	0										167
Transducer with 98.4 ft (30m) cable					^	3	0										245
					^	^	^										
CABLE LENGTH - ADD TO TRANSDUCER 10m PRICE					^	^	^										
Integral transducer cable extension available in 32.8 ft (10m) increments up to a maximum of 623.4 ft (190m)																	Add 20/mtr

OPTIONS **(warranty 2 years from despatch)**										**$**
Sludge Finder 2 polyester IP65 enclosure 1.3 x 1.3 x 0.66 ft complete with chassis plate	9	2	0	0	A	0	0	0	4	695
Sludge Finder 2 cabinet as above complete with 5 x cable glands installed, integrator fixed to the internally mounted chassis plate (Sludge Finder 2 to be ordered separately)	9	2	0	0	A	0	0	0	5	917

The Sludge Finder 2 transceiver is mounted in an IP65 rated enclosure. These enclosures are often situated out in the open on the walkways or bridges of settlement tanks and are therefore very exposed to the elements. We, therefore, offer a metal enclosure as shown in the manual (page 26) to ensure that, if required, the unit is not mounted in direct sunlight and sheltered from any potential exposure to water ingress via cable glands, precipitation or the application itself.

Enclosure as above but with DIN rail mounted Zenner barrier also installed and wired.	9	2	0	0	A	0	0	2	0		1539

Pulsar Process Measurement
SLUDGE FINDER

OPTIONS (warranty 2 years from despatch)											$
Viper flexible transducer arm (for object avoidance)	9	2	0	0	A	0	0	0	1		784
Handrail installation kit for Sludge Finder 2 enclosure. Includes 2 x 2m mounting rails and 4 x U-bolts (diameter to be customer specified)	9	2	0	0	A	0	0	0	6		262
Stainless transducer mounting bracket assembly complete with security chain and 2.5m ¾" stainless conduit	9	2	0	0	A	0	0	0	7		3200
Stainless transducer mounting bracket assembly without chain or conduit	9	2	0	0	A	0	0	0	8		2534
Budget galvanised transducer mounting bracket arms x 2 complete with security chain and 2.5m ¾" galvanised conduit	9	2	0	0	A	0	0	0	9		967

SOFTWARE OPTIONS (warranty 1 year from despatch)											$
PC serial port to RJ11 lead and serial to USB converter including software release Dongle. To be used with PC suite containing Imp, Blackbox, Ultra series, Twin, Sludge Finder 2 and dBi HART software in one package. Software allows viewing and recording of echo traces and uploading and downloading of parameters via the instrument's RS232 RJ11 port. Software available for no charge download at pulsar-pm.com	P	C	L	E	A	D	-	D	-	P		156

MANUAL					$
Sludge Finder 2	M	9	2	0	89

PRODUCT WEIGHTS	
Viper transducer - 10m cable	3.3 lbs
Viper transducer - 20m cable	4.6 lbs
Viper transducer - 30m cable	5.9 lbs
ST10 transducer - 10m cable	3.3 lbs
Budget transducer mounting bracket with chain and conduit	18.7 lbs
Sludge Finder 2 complete with chassis plate and mounting bracket	19.8 lbs
2.5m ¾ inch galvanised conduit	11 lbs

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Pulsar Measurement
SERVICE CHARGES & CERTIFICATION

DESCRIPTION OF SERVICES:

Service Evaluation and/or Repair: Functional check of equipment before and after service, if required.
If repair is requested, repair will include labor fees and parts to repair are extra. (Calibration Certificate is not included)

Standard Calibration-Functional check of equipment. Calibration Certificate* reflecting new date of calibration. (repair is not included)
Evaluation, Repair, and Standard Calibration w/ Certificate-Functional check of equipment. Repair of equipment with replacement parts billed separately. Calibration Certificate* provided reflecting new date of calibration

Advanced Calibration (before & after data) w/ Certificate-Functional check of equipment. As received calibration check. Calibration Certificate* reflecting as-received vs new calibration and new date of calibration. (repair is not included)

*NIST calibration certificate applicable only to DFM 6.1, DLT 2.0, PDFM 5.1, PSL 5.0, PTFM 6.1, SFM 6.1, TTFM 6.1 and (some legacy models)
**Calibration Certificates may not be available on all models and contact your SAE/Regional for further details

CALIBRATION		$
Standard with Certificate	CAL-	378
Advanced Calibration (before & after data) with Certificate	ADVANCED-CAL-	612

SERVICE CHARGES & CALIBRATION		$
Evaluation and/or Repair Only (no calibration)	SERVICE-	378+Parts
Evaluation, Repair, and Standard Calibration with Certificate	SERVICE-CAL-	500+Parts

*Part will include Model#

Pulsar Measurement
SALES INFORMATION, RESTOCKING & RETURNS POLICY

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Terms and Conditions of Sale – Pulsar Measurement

Effective September 30, 2020

The following Terms and Conditions apply to sales by Pulsar Measurement. No modification of terms will be accepted by Pulsar Measurement except by expressed written agreement. These terms supersede any previous terms by the buyer.

1) Terms
Payment terms are stated above. Pulsar Measurement reserves the right to charge a premium on overdue accounts.

2) Warranty
Pulsar Measurement warrants, to the original purchaser, its products to be free from defects in material and workmanship for a period of two years from date of invoice. Pulsar Measurement will replace or repair, free of charge, any Pulsar Measurement product if it has been proven to be defective within the warranty period. This warranty does not cover any expenses incurred in the removal and re-installation of the product. Refer to the complete two year Limited Warranty packed with each product and available from Pulsar Measurement on request.

3) Delivery
Seller's liability for risk shall terminate upon safe delivery to carrier on prepaid or collect shipments. Pulsar Measurement shall not be liable for any damages or penalty for delay in delivery or failure to give notice of delay when such delay is due to the elements, act of God, acts of purchaser, act of civil or military authority, priorities, fire or floods, strikes, stoppage of labor, accidents, riots, civil disturbances, martial law, acts of the government, epidemics or quarantine restrictions, lockouts, breakdowns, differences with workmen, accidents to machinery, car shortages or other delays beyond reasonable control of Pulsar Measurement. In the event of any such occurrences the seller may at its election cancel this order or any part thereof. Title to material in this contract shall remain with Pulsar Measurement until payment for the goods has been received by Pulsar Measurement. The buyer is responsible for damage or loss from the time of shipment from Pulsar.

4) Taxes
Unless otherwise shown, taxes are extra.

5) Errors
Clerical or typographical errors are subject to correction

6) Cancellations
Orders may not be cancelled without written acceptance of cancellation by Pulsar Measurement. Cancellation charges will be based upon actual costs including engineering, manufacturing, testing, inspection, sales work, and material processes at the time cancellation or return request is received. Cancellations within 24 hours of order receipt are no charge. Cancellations after 24 hours of receipt are subject to a 25% restocking charge.

7) Returns

Return Authorization: All returns for credit must have an approved Return Authorization number. All product returns must reference the Return Authorization number on the outside of the shipping carton and on any paperwork referencing the return. Only the original buyer is eligible to be credited for returns.
Product Condition: Returns for credit will only be considered for new products in original packaging, or, appropriate re-packaging.
Time Period: The valid time period to return an item for credit is within 180 days of the original ship date.
Restock Fee: Items returned within 90 days of the original invoice date are subject to a minimum restock charge of 35%, $25 for non-calibrated products, or $200 for calibrated items, whichever is greatest. Items returned after 90 days of the original invoice date are subject to a minimum restock charge of 50%, $50 for non-calibrated products, or $200 for calibrated items, whichever is greatest. For special order items that are highly specialized or sold infrequency, the restock charge may increase, and some items may be deemed unreturnable.
Credit: Credit is not guaranteed, and no credit will be issues until materials have been received, inspected, and deemed appropriate for resale.

8) All orders are subject to acceptance by Pulsar Measurement. Orders are FOB Pulsar Measurement unless otherwise stated.

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Exhibit B

INSURANCE REQUIREMENTS

1. GENERAL.

1.1. Prior to performance under this Agreement, SUPPLIER shall furnish CITY with a Certificate of Insurance signed by an authorized representative of the insurer evidencing the insurance required by this Section (Workers' Compensation/Employer's Liability, Commercial General Liability, and Business Auto). The CITY, its officials, officers, and employees shall be named additional insured under the Commercial General Liability policy using CG 1185 or its equivalent, as well as additional insured under the business auto policy. The CITY shall be given not less than thirty (30) days written notice prior to the cancellation or restriction of coverage. Except as otherwise specified in the Agreement, the insurance shall become effective prior to the commencement of work by the SUPPLIER and shall be maintained in force until the Agreement completion date. The insurance provided by SUPPLIER shall apply on a primary basis and any other insurance or self-insurance maintained by the CITY or the CITY'S officials, officers, or employees shall be in excess of and not contributing with the insurance provided by or on behalf of the SUPPLIER. The Workers' Compensation Policy and the Commercial General Liability required by this Agreement shall be provided on an occurrence rather than a claims-made basis.

1.2. SUPPLIER waives all rights against CITY for recovery of damages to the extent covered by Commercial General Liability, Commercial Umbrella Liability, Business Auto Liability or Workers Compensation and Employers Liability insurance maintained per requirements herein.

1.3. Until such time as the insurance is no longer required to be maintained by the SUPPLIER, the SUPPLIER shall provide the CITY with a renewal or replacement Certificate of Insurance not less than thirty (30) days before expiration or replacement of the insurance for which a previous certificate has been provided. In addition to providing the Certificate of Insurance, if required by the CITY, SUPPLIER shall, within thirty (30) days after receipt of the request, provide CITY with a certified copy of each of the policies of insurance providing the coverage required by this Section.

1.4. Neither approval by the CITY nor failure to disapprove the insurance furnished by a subcontrator or another supplier shall relieve the SUPPLIER of the SUPPLIER'S full responsilbility for performance of any obligation including SUPPLIER indemnification of CITY under this Agreement.

1.5. It shall also be the responsibility of the SUPPLIER to ensure that all of its subcontractors performing services under this Agreement are in compliance with the insurance requirements of this Agreement as defined above.

1.6. Compliance with the insurance requirements set forth herein shall not relieve SUPPLIER, its employees or agents of liability from any indemnification obligation under this Agreement.

2. INSURANCE COMPANY REQUIREMENTS.

2.1. Companies issuing policies other than Workers' Compensation, must be authorized to conduct business in the State of Florida and prove same by maintaining Certificates of Authority issued to the companies by the Department of Insurance of the State of Florida. Policies for Workers' Compensation may be issued by companies authorized as a group self-insurer by Section 440.57, Florida Statutes.

2.2. In addition, such companies other than those authorized by Section 440.57, Florida Statutes, shall have and maintain a Best's Rating of "A" or better and a Financial Size Category of "VII" or better according to A.M. Best Company.

2.3. If, during the period which an insurance company is providing the insurance coverage required by this Agreement, an insurance company shall: 1) lose its Certificate of Authority, 2) no longer comply with Section 440.57, Florida Statutes, or 3) fail to maintain the requisite Best's Rating and Financial Size Category, the SUPPLIER shall, as soon as the SUPPLIER has knowledge of any such circumstance, immediately notify the CITY and immediately replace the insurance coverage provided by the insurance company with a different insurance company meeting the requirements of this Agreement. Until such time as the SUPPLIER has replaced the unacceptable insurer with an insurer acceptable to the CITY the SUPPLIER shall be deemed to be in default of this Agreement.

3. COVERAGE.

3.1. Without limiting any of the other obligations or liability of the SUPPLIER, the SUPPLIER shall, at the SUPPLIER'S sole expense, procure, maintain and keep in force amounts and types of insurance conforming to the minimum requirements set forth in this subsection. The amounts and types of insurance shall conform to the following minimum requirements:

3.1.1. Workers' Compensation/Employer's Liability.

A. Workers Compensation Coverage SUPPLIER'S insurance shall cover SUPPLIER for liability which would be covered by the latest edition of the standard Workers' Compensation Policy, as filed for use in Florida by the National Council on Compensation Insurance, without restrictive endorsements. SUPPLIER will also be responsible for procuring proper proof of coverage from its subcontractors of every tier for liability which is a result of a Workers' Compensation injury to the subcontractor's employees. The minimum required limits to be provided by both the SUPPLIER and its subcontractors is outlined in subsection (b) below. In addition to coverage from the Florida Workers' Compensation Act, where appropriate, coverage is to be included for the Federal Employers' Liability Act and any other applicable Federal or State law.Subject to the restrictions of coverage found in the standard Workers' Compensation Policy, there shall be no maximum limit on the amount of coverage for liability imposed by the Florida Workers' Compensation Act, the United States Longshoremen's and Harbor Workers' Compensation Act, or any other coverage customarily insured under Part One of the standard Workers' Compensation Policy.

B. Employers Liability Coverage

$500,000.00	(Each Accident)
$500,000.00	(Disease-Each Employee)
$500,000.00	(Disease-Policy Limit)

3.1.2. Commercial General Liability.

Using the latest edition of the standard Commercial General Liability Coverage Form (ISO Form CG 00 01), as filed for use in the State of Florida by the Insurance Services Office, without the attachment of restrictive endorsements other than the elimination of Coverage C, Medical Payment and the elimination of coverage for Fire Damage Legal Liability:

	LIMITS
General Aggregate (per project)	$2,000,000.00 or 2x Per Occurrence (whichever is greater)
Personal & Advertising Injury Limit	$1,000,000.00
Each Occurrence Limit	$1,000,000.00

The CGL limits may be satisfied by a combination of primary CGL and Umbrella/Excess coverage. When Umbrella/Excess is provided it shall follow form.

3.1.3. Business Auto Policy.

The SUPPLIER'S insurance shall cover the SUPPLIER for those sources of liability which would be covered by Part IV of the latest edition of the standard Business Auto Policy (ISO Form CA 00 01), as filed for use in the State of Florida by the Insurance Services Office, without the attachment of restrictive endorsements. Coverage shall include owned, non-owned and hired autos.

The minimum limits to be maintained by the SUPPLIER (inclusive of any amounts provided by an Umbrella or Excess policy) shall be per accident combined single limit for bodily injury liability and property damage liability. If the coverage is subject to an aggregate, the SUPPLIER shall maintain separate aggregate limits of coverage applicable to claims arising out of or in connection with the work under this Agreement. The separate aggregate limits to be maintained by the SUPPLIER shall be a minimum of three (3) times the per accident limit required and shall apply separately to each policy year or part thereof.

The minimum amount of coverage under the Business Auto Policy shall be:

	LIMITS
Each Occurrence Bodily Injury and Property Damage Liability Combined	$1,000,000.00

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SOLE SOURCE PURCHASE JUSTIFICATION FORM

GUIDELINES:

- Any sole source purchase over $35,000 must be electronically posted for fifteen (15) business days, in accordance with Section 287.057(3)(c) Florida Statutes. The notice must include a request that potential vendors provide information regarding their ability to supply the goods and/or services described.
- It is the only item that will produce the desired results, or fulfill the specific need.
- The item is available from only one vendor.
- The item is available from more than one vendor, but due to other circumstances (such as exclusive sales territory by manufacturer, prohibitive delivery time and cost, compatibility with existing systems, etc.), only one vendor is suited to provide the goods or services.
- The Department requesting the sole source must document that they have made a reasonable attempt to locate competitive sources by attaching documentation to the requisition.
- The purchase does not need to be submitted for a PO if it is under $1,500.
- The purchase does not need to be listed as a sole source if it has an existing contract with the City, if it can be entered in as a blanket PO under $4,999.99, or if it is under $4,999.99 with the one quote from the vendor.

Department: Wastewater Pumping

Submitted by: Andrew Schober

Vendor Name: Mission Communications Vendor Number: 2629

Estimated Cost: over 50K

Please select the appropriate condition:

- [x] EXCLUSIVE TO ONE VENDOR – ATTACH LETTER FROM VENDOR
- [ ] COMPATIBLE WITH EXISTING SYSTEM – ATTACH LETTER FROM VENDOR
- [ ] ASSOCIATED WITH WARRANTY – ATTACH LETTER FROM VENDOR
- [ ] PROHIBITED DELIVERY TIME AND COST

Describe the goods and/or services being purchased:

Mission Communication units to be installed at pump stations throughout the city that currently due not have SCADA attached to them, replacement radios and motherboards, various other equipment and supplies

Describe why this purchase is considered sole sourced:

Mission Communications is the only vendor that supplies the SCADA monitoring units as well as the website monitoring and service of each unit

Director Signature: Jason DeLorenzo Digitally signed by Jason DeLorenzo Date: 2024.04.28 22:17:39 -04'00'

Docusign Envelope ID: 5AAC3B0F-98D3-4FB6-846D-D8C2D7CC5C6F

Memo:

December 31,
2023

This memo confirms that AWC, Inc. is the Exclusive Distributor for Mission Communications' products and services in Florida's Eastern time zone. Cellular Data service and website updates will be provided by Mission Communications', LLC, therefore all Annual Service Renewals will be invoiced by Mission Communications, LLC.

Matt Crousillac
National Sales Manager
Email: mattc@123mc.com
Mobile: 504.251.7468
Office: 877.993.1911 ext. 1034

Docusign Envelope ID: 5AAC3B0F-98D3-4FB6-846D-D8C2D7CC5C6F

From: Kelly McDonald [Kelly.McDonald@awc-inc.com]
To: David Mareiniss [David.Mareiniss@awc-inc.com]
Subject: FW: 24-25 COI City of Palm Coast
Sent: Wed 8/7/2024 11:10 AM GMT-07:00
Importance: Normal

Kelly McDonald
Inside Sales Manager
office
(321) 207-0120
cell
(941) 451-0484

From: Pamela Fontenot <Pamela.Fontenot@alliant.com>
Sent: Wednesday, August 7, 2024 2:08 PM
To: Summer Smart <Summer.Smart@awc-inc.com>
Cc: Kelly McDonald <Kelly.McDonald@awc-inc.com>
Subject: 24-25 COI City of Palm Coast

Per your request, please see attached certificate.

Let me know if you need anything else.

Thanks,

Pam Fontenot

Account Manager Lead

Alliant Americas

8555 United Plaza Blvd., Ste. 110

Baton Rouge, LA 70809

D 225.349.7003

O 225.349.7000

E pamela.fontenot@alliant.com <mailto:pamela.fontenot@alliant.com>

alliant.com
<https://url.us.m.mimecastprotect.com/s/xvq0CR6n2EcnPOZGhNx5eM?domain=alliant.com/>

Docusign Envelope ID: 5AAC3B0F-98D3-4FB6-846D-D8C2D7CC5C6F

Alliant Insurance Services, Inc.

CA License No. 0C36861

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From: Summer Smart <Summer.Smart@awc-inc.com <mailto:Summer.Smart@awc-inc.com> >
Sent: Wednesday, August 7, 2024 12:50 PM
To: Kellie Stein <Kellie.Stein@alliant.com <mailto:Kellie.Stein@alliant.com> >; Pamela Fontenot <Pamela.Fontenot@alliant.com <mailto:Pamela.Fontenot@alliant.com> >; Gaffneys Unit <gaffneysunit@alliant.com <mailto:gaffneysunit@alliant.com> >
Cc: Kelly McDonald <Kelly.McDonald@awc-inc.com <mailto:Kelly.McDonald@awc-inc.com> >
Subject: FW: COI

This message has originated externally from organization.

_____

Hey Kellie,

Can we get a COI for this one too?

Thanks!

Summer

Summer Smart

Paralegal/Executive Admin

office

Docusign Envelope ID: 5AAC3B0F-98D3-4FB6-846D-D8C2D7CC5C6F

(225) 408-7641

cell

(225) 229-3403

From: Kelly McDonald <Kelly.McDonald@awc-inc.com <mailto:Kelly.McDonald@awc-inc.com> >
Sent: Wednesday, August 7, 2024 12:48 PM
To: Summer Smart <Summer.Smart@awc-inc.com <mailto:Summer.Smart@awc-inc.com> >
Subject: COI

Can we get COI for City of Palm Coast?

<https://www.awc-inc.com/>

awc-inc.com <https://www.awc-inc.com/>

Kelly McDonald

Inside Sales Manager

office

(321) 207-0120

cell

(941) 451-0484

HOW ARE WE DOING? <https://ww2.awc-inc.com/emailfeedback.aspx?ref=486>

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RESOLUTION 2024-117
MISSION COMMUNICATION PRODUCTS AND SERVICES

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF PALM COAST, FLORIDA, APPROVING A MASTER PRICE AGREEMENT WITH AWC, INC., FOR MISSION COMMUNICATION PRODUCTS AND SERVICES; AUTHORIZING THE CITY MANAGER, OR DESIGNEE, TO NEGOTIATE, FINALIZE AND EXECUTE ANY NECESSARY DOCUMENTS; PROVIDING FOR FUTURE AMENDMENTS, PROVIDING FOR SEVERABILITY; PROVIDING FOR CONFLICTS; PROVIDING FOR IMPLEMENTING ACTIONS AND PROVIDING FOR AN EFFECTIVE DATE

WHEREAS, AWC, Inc., desires to provide Mission Communication Products and Services to the City of Palm Coast; and

WHEREAS, the City Council of the City of Palm Coast desires to purchase from AWC, Inc., for Mission Communication Products and Services.

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF PALM COAST, FLORIDA, AS FOLLOWS:

SECTION 1. LEGISLATIVE AND ADMINISTRATIVE FINDINGS. The above recitals (whereas clauses) are hereby adopted as the findings of the City Council of the City of Palm Coast.

SECTION 2. APPROVAL OF AGREEMENT. The City Council of the City of Palm Coast hereby approves the terms and conditions of the Master Price Agreement with AWC, Inc., for the purchase of Mission Communication Products and Services, as attached hereto and incorporated herein by reference as Exhibit "A."

SECTION 3. AUTHORIZATION TO NEGOTIATE, FINALIZE, AND EXECUTE. The City Manager, or designee, is hereby authorized to negotiate, finalize, and execute the necessary documents.

SECTION 4. FUTURE AMENDMENTS. The City Manager, or designee is hereby authorized to approve any future amendment to the Master Price Agreement for changes totaling less than $50,000.00 as long as this amount does not exceed the line-item limit for the budgeted purchase. Further, the City Manager has the authority to execute

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amendments to the Master Price Agreement on behalf of the City for any other changes that may be necessary.

SECTION 5. SEVERABILITY. If any section or portion of a section of this Resolution proves to be invalid, unlawful, or unconstitutional, it shall not be held to invalidate or impair the validity, force, or effect of any other section or part of this Resolution.

SECTION 6. CONFLICTS. All resolutions or parts of resolutions in conflict with any of the provisions of this Resolution are hereby repealed.

SECTION 7. IMPLEMENTING ACTIONS. The City Manager is hereby authorized to take any actions necessary to implement the action taken in this Resolution.

SECTION 8. EFFECTIVE DATE. This Resolution shall take effect immediately upon adoption by the City Council.

DULY PASSED AND ADOPTED by the City Council of the City of Palm Coast, Florida, on this 6th day of August 2024.

ATTEST:

KALEY COOK, CITY CLERK

CITY OF PALM COAST

DAVID ALFIN, MAYOR

APPROVED AS TO FORM AND LEGALITY

MARCUS DUFFY, CITY ATTORNEY

CITY OF PALM COAST, FLORIDA
PALM COAST
CITY CLERK
INCORPORATED 1999

Attachment: Exhibit "A" – Master Price Agreement AWC, Inc.

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Docusign Envelope ID: 5AAC3B0F-98D3-4FB6-846D-D8C2D7CC5C6F

CONTRACTOR E-VERIFY AFFIDAVIT

I hereby certify that AWC INC. *[insert contractor company name]* does not employ, contract with, or subcontract with an unauthorized alien, and is otherwise in full compliance with Section 448.095, Florida Statutes.

All employees hired on or after January 1, 2021 have had their work authorization status verified through the E-Verify system.

A true and correct copy of AWC, INC. *[insert contractor company name]* proof of registration in the E-Verify system is attached to this Affidavit.

Print Name: DAVID MAREINISS

Title: TECHNICAL ACCOUNT MGR

Date: 6/25/25

In Process

STATE OF FLORIDA

COUNTY OF St Johns

The foregoing instrument was acknowledged before me by means of ☑ physical presence or ☐ online notarization, this 25 day of June, 2025 by David Mareiniss *[name of officer or agent, title of officer or agent]* of AWC, Inc. *[name of contractor company acknowledging]*, a Baton Rouge LA *[state or place of incorporation]* corporation, on behalf of the corporation. He/she is personally known to me or has produced Florida Driver's license *[type of identification]* as identification.

[Notary Seal]

Notary Public

Jaser Javed

Name typed, printed or stamped

JASER JAVED
Notary Public - State of Florida
Commission # HH 662829
My Comm. Expires Apr 10, 2029

My Commission Expires: 04-10-2029

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AFFIDAVIT OF COMPLIANCE WITH ANTI-HUMAN TRAFFICKING LAWS

State of FL

County of St Johns

In accordance with section 787.06 (13), Florida Statutes, the undersigned, on behalf of AWC, Inc. (the "Entity"), hereby attests under penalty of perjury, that the Entity does not use coercion for labor or services as defined in Section 787.06, Florida Statutes, entitled "Human Trafficking."

The undersigned representative of the Entity is authorized to execute this affidavit on behalf of the Entity.

Date: 6/25/25

Signed: _____

Entity: _____

Name: DAVID MARCINISS

Title: TECHNICAL ACCOUNT MGR

Sworn to (or affirmed) and subscribed before me this 25 day of June, 2025, by David Marcinisss.

JASER JAVED
Notary Public - State of Florida
Commission # HH 662829
My Comm. Expires Apr 10, 2029

Notary Signature

PRINT, TYPE OR STAMP NAME OF NOTARY

Personally known _____
OR Produced Identification ✓
Type of Identification Produced FL Driver's license

In Process

Special Meeting
Agenda Item #2B
T-Mobile Lease
3rd Amendment

CITY OF NEPTUNE BEACH
CITY COUNCIL MEETING
STAFF REPORT

AGENDA ITEM:	Third Amendment to T-Mobile Water Tank Lease Agreement
SUBMITTED BY:	Jaime Hernandez, Chief Financial Officer
DATE:	January 16, 2026
BACKGROUND:	This is the third amendment to the agreement, extending the term for an additional 60 months (when the current term expires on September 1, 2027). The amendment allows the City to terminate the agreement with 12-month notice if the tower is ever dismantled.
RECOMMENDATION:	Staff recommends approval
ATTACHMENT(S):	2026 3rd Amendment 2022 2nd Amendment 2020 1st Amendment 2007 Agreement

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THIRD AMENDMENT TO WATER TANK LEASE AGREEMENT

This Third Amendment to Water Tank Lease Agreement (the "**Amendment**") is effective as of the date of execution by the last party to sign (the "**Effective Date**") by and between The City of Neptune Beach ("**Lessor**") and T-Mobile South LLC ("**Lessee**") (each a "**Party**"), or collectively, the "**Parties**").

Recitals

The parties hereto recite, declare, and agree as follows:

Lessor and Lessee entered into a Water Tank Lease Agreement dated August 3, 2007, as amended by the First Amendment to Water Tank Lease Agreement dated December 14, 2020, and as amended by the Second Amendment to Water Tank Lease Agreement dated December 7, 2022 (collectively referred to as the "**Lease**"), with respect to Water Tank located at 1325 Florida Boulevard, Neptune Beach, Florida.

Lessor and Lessee desire to enter into this Amendment in order to modify and amend certain provisions of the Lease.

NOW, THEREFORE, in consideration of the mutual covenants and agreements herein contained and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Landlord and Tenant covenant and agree as follows:

1. Commencing on September 1, 2027, the term of this Lease is extended for sixty (60) months. The Lease shall be automatically renewed for up to two (2) additional terms (each an "Extension Term") of sixty (60) months each. Upon ninety (90) days prior written notice, either party may terminate the Lease for any or no reason.

2. In the event Lessor, at its sole cost and expense, decides to decommission and dismantle the water tank at any time during the term of this Lease, Lessor shall provide Lessee with twelve (12) months prior written notice of its intent to decommission and dismantle the water tank. Upon mutual agreement between the parties, Lessee shall have the option to erect a communications facility on the Property, at its sole cost and expense, as deemed necessary for the continued operation of the Lessee's antenna facilities provided the city retains the right to approve or deny any proposed footprint for the new communications facility. In addition, the Lessor retains the right to lease remaining property as it sees fit so long as such use does not interfere with Lessee's operations.

3. Commencing on September 1, 2027, the annual rent during any and all Terms, shall increase on each yearly anniversary of the Commencement Date in an amount equal to four (4) percent of the previous year's annual rental amount.

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4. The terms and conditions of the Lease are incorporated herein by this reference, and capitalized terms used in this Third Amendment shall have the same meanings such terms are given in the Lease. Except as specifically set forth herein, this Third Amendment shall in no way modify, alter, or amend the remaining terms of the Lease, all of which are ratified by the parties and shall remain in full force and effect. To the extent there is any conflict between the terms and conditions of the Lease and this Third Amendment, the terms and conditions of this Third Amendment will govern and control.

5. Lessor represents and warrants to Lessee that the consent or approval of no third-party, including, without limitation, a lender, is required with respect to the execution of this Amendment, or if any such third-party consent or approval is required, Lessor has obtained any and all such consents or approvals.

6. Counterparts; Electronic Signatures. This Third Amendment may be executed in counterparts, each of which shall be an original and all of which counterparts taken together shall constitute one and the same agreement. Signatures to this Third Amendment transmitted by electronic means shall be valid and effective to bind the party so signing. Upon the request of either party, each party agrees to promptly deliver an execution original to this Third Amendment with its actual signature to the other party, but failure to do so shall not affect the enforceability of this Third Amendment.

Docusign Envelope ID: BC7CE968-2E09-4D68-83C5-7E62CFBAD6B7

In WITNESS WHEREOF, the parties have executed this Third Amendment effective as of the date of execution by the last party to sign.

Lessor:

City of Neptune Beach

By: _____

Name: _____

Title: _____

Date: _____

Lessee:

T-Mobile South LLC

DocuSigned by:
By: CJ Johnson
2A9FE6E533DC467...

Name: CJ Johnson

Title: Jacksonville Market Director

Date: 1/29/2026 | 04:40 PST

DocuSign Envelope ID: 78A2F861-5E1D-46B7-96B4-EA3C578BCA78

Site #: 9JK0399B Neptune Beach
Market: Jacksonville

SECOND AMENDMENT TO WATER TANK LEASE AGREEMENT

This Second Amendment to Water Tank Lease Agreement (the "Second **Amendment**") is effective as of the date of execution by the last party to sign (the "**Effective Date**") by and between The City of Neptune Beach ("**Lessor**") and T-Mobile South LLC ("**Lessee**") (each a "**Party**"), or collectively, the
"**Parties**").

Recitals

The parties hereto recite, declare, and agree as follows:

Lessor and Lessee entered into a Water Tank Lease Agreement dated August 3, 2007 (including any prior amendments, the "**Lease**"), with respect to Water Tank located at 1325 Florida Boulevard, Neptune Beach, Florida.

NOW, THEREFORE, in consideration of the mutual covenants and agreements herein contained and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Landlord and Tenant covenant and agree as follows:

1. Effective immediately, Exhibit B to the Agreement is supplemented by Exhibit B-1, which is attached hereto and by this reference incorporated herein. Lessee will have the right to modify the Premises as described and depicted on Exhibit B-1, and Lessor hereby consents to and approves of the modifications described and depicted on Exhibit A-1.

2. The terms and conditions of the Lease are incorporated herein by this reference, and capitalized terms used in this Second Amendment shall have the same meanings such terms are given in the Lease. Except as specifically set forth herein, this Second Amendment shall in no way modify, alter, or amend the remaining terms of the Lease, all of which are ratified by the parties and shall remain in full force and effect. To the extent there is any conflict between the terms and conditions of the Lease and this Second Amendment, the terms and conditions of this Second Amendment will govern and control.

3. Both parties affirm their ability to mutually execute this agreement.

Site #: 9JK0399B Neptune Beach
Market: Jacksonville

In WITNESS WHEREOF, the parties have executed this Second Amendment effective as of the date of execution by the last party to sign.

Lessor:

City of Neptune Beach

By: _____

Name: Stefen Wynn

Title: City Manager

Date: 12/7/2022

Lessee:

T-Mobile South LLC

DocuSigned by:

By: CJ Johnson
2A0FE6E533DC467...

Name: CJ Johnson

Title: Jacksonville Market Director

Date: 12/7/2022

TMO Legal Digitally signed by TMO Legal Date: 2022.11.18 16:32:09 -05'00'

Approved

TMO Signatory Level : L06

DocuSign Envelope ID: 78A2F861-5E1D-46B7-96B4-EA3C578BCA78

Site #: 9JK0399B Neptune Beach
Market: Jacksonville

Exhibit B-1

Lessee is authorized to install, inspect, repair, and maintain the following equipment subject to not causing any damage to City property or assets:

ANTENNA INFORMATION

Antennas: (3) Commscope FFVV-65C-R3-V1 Antennas; (3) Ericsson AIR6449 Antennas; and (3) TMBX-6517-R2M-2D/TMBX-65 Antennas (Reserved Loading) @ 130'

Azimuths: 40/160/240

TMAs: (9) KRY112 (Reserved Loading)

Coax Lines: (15) 1-5/8" Coax Lines (Reserved Loading)

Hybrid Lines: (3) Ericsson 1.996" Hybrid Lines

Generator: (1) Generac SD 020 (Diesel) with soundproofing enclosure, which may include installing a cinder block wall, or any other soundproofing methods deemed appropriate by Lessee.

Cabinet/RBS: (1) Ericsson 6160 Cabinet and (1) Ericsson B160 Cabinet within existing lease area

Coral Antennae Mount Posts and Supports

Coax Cable Mounts, Hangars, Brackets, and Supports

Coax Cable Trays, Brackets, Hangars, and Supports

Corrosion prevention and control program of the Lessee's assets and any attachments or connection points to the City's assets, which may include a coating that can be applied and maintained by Lessee.

Site #: 9JK0399 Neptune Beach
Market: Jacksonville

FIRST AMENDMENT TO WATER TANK LEASE AGREEMENT

This First Amendment to Water Tank Lease Agreement (the "First **Amendment**") is effective as of the date of execution by the last party to sign (the "**Effective Date**") by and between The City of Neptune Beach ("**Lessor**") and T-Mobile South LLC ("**Lessee**") (each a "**Party**"), or collectively, the "**Parties**").

Recitals

The parties hereto recite, declare, and agree as follows:

Lessor and Lessee entered into a Water Tank Lease Agreement dated August 3, 2007 (including any prior amendments, the "**Lease**"), with respect to Water Tank located at 1325 Florida Boulevard, Neptune Beach, Florida.

Whereas, Lessor and Lessee desire to amend the Lease to provide for a rent abatement to cover Lessee's cost of installing a temporary facility while the water tank is being repainted.; and

NOW, THEREFORE, in consideration of the mutual covenants and agreements herein contained and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Landlord and Tenant covenant and agree as follows:

1. Lessor agrees to allow Lessee to install a temporary telecommunication facility on the Property, the location of which to be mutually agreed upon by the Parties, to be used during the time the Water Tank is being repainted. Lessee's estimated cost to install a temporary telecommunication facility is One Hundred Four Thousand One Hundred Fifty-Three Dollars ($104,153.00), the cost of which does not include removing Lessee's equipment from the Water Tank or reinstalling Lessee's equipment on the Water Tank. Lessee shall bear the cost of installing the temporary telecommunication facility with Lessor granting Lessee a rent abatement period of no greater than 36 months, which period shall begin upon Lessee's installation of the temporary telecommunication facility and proof of Lessee's payment for such installation. In the event the installation of the temporary telecommunication facility is less than the estimated cost provided above, the rent abatement period shall be reduced such that the period for which rent is abated shall be equal to the number of months' rent required to offset the actual cost of such installation. In the event the final months' share of the installation cost is less than a full month's rent, Lessee shall receive such partial abatement and shall be responsible for the remainder of the rent as otherwise provided in the Lease. Lessee shall bear the cost of removing Lessee's equipment and installing Lessee's equipment on the temporary telecommunication facility as well as removing Lessee's equipment from the temporary telecommunication facility and reinstalling Lessee's equipment on the Water Tank.

2. The terms and conditions of the Lease are incorporated herein by this reference, and capitalized terms used in this First Amendment shall have the same meanings such terms are given in the Lease. Except as specifically set forth herein, this First Amendment shall in no way modify, alter, or amend the remaining terms of the Lease, all of which are ratified by

Site #: 9JK0399 Neptune Beach
Market: Jacksonville

the parties and shall remain in full force and effect. To the extent there is any conflict between the terms and conditions of the Lease and this First Amendment, the terms and conditions of this First Amendment will govern and control.

3. Lessor represents and warrants to Lessee that the consent or approval of no third party, including, without limitation, a lender, is required with respect to the execution of this First Amendment, or if any such third-party consent or approval is required, Landlord has obtained any and all such consents or approvals.

In WITNESS WHEREOF, the parties have executed this First Amendment effective as of the date of
execution by the last party to sign.

Lessor:

City of Neptune Beach

By: _____

Name: Stefen Wynn

Title: City Manager

Date: 12/14/2020

_____

Witness

Catherine Ponson

Printed Name

Lessee:

T-Mobile South LLC

DocuSigned by:
By: Jennifer Silveira
017D918869E64A5...

Name: Jennifer Silveira

Title: v.p.Engineering- Technology

Date: 12/11/2020

Approved
National Lease Governance
2020 Lease Review

TMO Legal Digitally signed by TMO Legal Date: 2020.11.03 15:38:42 -05'00'

DocuSigned by:
Julie Pace
51E0E8E25FBE455...

Witness

Julie Pace

Printed Name

DocuSign Envelope ID: A2AB2890-9C80-46D8-A035-9314D397FBFF

Site #: 9JK0399 Neptune Beach
Market: Jacksonville

TECHNICAL ASSOCIATES

12276 San Jose Boulevard, Suite 425, Jacksonville, FL 32223
PH. 904/696-0779 FAX 904/696-0638

2007 Original Agreement

September 27, 2007

VIA UPS OVERNIGHT DELIVERY
City of Neptune Beach
Attn: Lisa Volpe, CMC
116 First Street
Neptune Beach, FL 32266-6140

Re: Water Tank Lease Agreement between the City of Neptune Beach and T-Mobile South LLC
T-Mobile Site: 9JK0399B / Sandpiper

Dear Ms. Volpe:

As you requested in your September 24, 2007 letter to Lindsay Ritter, please find enclosed the original lease agreement which we are now returning to you. Should you have any questions, please feel free to contact Lindsay Ritter at (843) 345-3330 or you may call me directly at (904) 696-0779, Ext. 132.

Sincerely,

Paul Dupuis
Leasing Specialist

/pd

Enclosure

WATER TANK LEASE AGREEMENT

This Water Tank Lease Agreement ("Agreement"), made this 3RD day of AUGUST, 2007, between the City of Neptune Beach, with its principal mailing address of 116 First Street, Neptune Beach, Florida 32266, Tax ID # 59-6000384, hereinafter designated LESSOR and T-Mobile South LLC, a Delaware limited liability company, with its principal offices at 12920 SE 38th Street, Bellevue, WA 98006, hereinafter designated LESSEE. The LESSOR and LESSEE are at times collectively referred to hereinafter as the "Parties" or individually as the "Party".

WITNESSETH

In consideration of the mutual covenants contained herein and intending to be legally bound hereby, the Parties hereto agree as follows:

1. PREMISES. LESSOR hereby leases to LESSEE a portion of that certain space on the LESSOR's Water Tank, located at 1325 Florida Blvd., Neptune Beach, County of Duval, State of Florida, as more particularly described in O.R. Book 777, Page 255 of the Public Records of Duval County, Florida (the entirety of LESSOR's property is referred to hereinafter as the "Property"), together with a parcel of land sufficient for the installation of LESSEE's equipment building as shown on Exhibit "A", attached hereto and made a part hereof together with the non-exclusive right for ingress and egress, seven (7) days a week, twenty-four (24) hours a day, on foot or motor vehicle, including trucks, and for the installation and maintenance of utility wires, poles, cables, conduits, and pipes over, under, or along a twenty (20) foot wide right-of-way extending from the nearest public right-of-way, Florida Boulevard, to the demised premises, said demised premises and right-of-way for access being substantially as described herein in Exhibit "A" and attached hereto and made a part hereof which Water Tank space, demised premises and right-of-way are collectively referred to hereinafter as the "Premises".

Notwithstanding anything contained herein to the contrary, except in the event of an emergency, LESSEE shall have unlimited access to the Water Tank during the business hours of 7:00 a.m. through 5:00 p.m., seven (7) days per week, provided that LESSEE provides to LESSOR at least twenty-four (24) hours' telephonic notice prior to accessing the Water Tank. In the event of an emergency, including without limitation, an unanticipated interruption in LESSEE's provision of wireless services, LESSEE shall have the right to access the Water Tank twenty-four (24) hours a day, seven days a week, provided that LESSEE provides to LESSOR at least one (1) hour's telephonic notice prior to accessing the Water Tank. For purposes of this paragraph, notice shall be valid if LESSEE, or its authorized agent, contacts LESSOR by telephone at 904 270 2400, or such other telephone number as LESSOR may, from time to time, designate in writing at least thirty (30) days in advance.

In the event any public utility is unable to use the aforementioned right-of-way, the LESSOR hereby agrees to grant an additional right-of-way either to the LESSEE or to the public utility at no cost to the LESSEE.

LESSOR hereby grants permission to LESSEE to install, maintain and operate the radio communications equipment, antennas and appurtenances described in Exhibit "B" attached hereto.

LESSEE reserves the right to replace the aforementioned equipment with similar and comparable equipment provided said replacement does not increase Water Tank loading of said Water Tank.

2. SURVEY. LESSOR also hereby grants to LESSEE the right to survey the Property and Premises, and said survey shall then become Exhibit "C" which shall be attached hereto and made a part hereof, and shall control in the event of boundary and access discrepancies between it and Exhibit "A". Cost for such work shall be borne by the LESSEE.

3. TERM. This Agreement shall be effective as of the date of execution by both parties, provided however, the initial term shall be for five (5) years and shall commence on the Commencement Date (as hereinafter

defined) at which time rental payments will be due at an annual rental of Twenty Thousand Dollars ($20,000.00) to be paid in advance on the Commencement Date and each anniversary thereafter, in advance, to the City of Neptune Beach or to such other person, firm or place as the LESSOR may, from time to time, designate in writing at least thirty (30) days in advance of any rental payment date. The Commencement Date is defined as the first (1st) day of the month following the date this Agreement is executed by the Parties .

4. EXTENSIONS. This Agreement shall automatically be extended for ~~four (4)~~ two (2) additional five (5) year terms, unless the LESSEE elects not to extend it at the end of the then current term by giving the LESSOR written notice of LESSEE's intent not to extend at least six (6) months prior to the end of the then current term. However, if Lessee terminates this Agreement prior to the expiration of the second additional five (5) year term, Lessee shall pay to Lessor an amount equal to the yearly fee for the then current year in which Lessee terminates this Agreement. ~~This Agreement, by mutual agreement between LESSOR and LESSEE in writing, may be extended for an additional five (5) year term. Otherwise, this Agreement shall terminate at the end of the then current term.~~

5. RENT INCREASES. The annual rental during the initial term and any extension thereof will increase on each yearly anniversary of the Commencement Date in an amount equal to 4% or the CPI (consumer price index) of the previous year's annual rental, whichever is greater.

6. ADDITIONAL EXTENSIONS. If at the end of the second five (5) year extension term, this Agreement has not been terminated by either Party by giving to the other written notice of an intention to terminate it at least six (6) months prior to the end of such term, this Agreement shall continue in force upon the same covenants, terms and conditions for a further term of five (5) years and for five (5) year terms thereafter until terminated by either Party by giving to the other written notice of its intention to so terminate at least six (6) months prior to the end of such term. this Agreement may, by mutual agreement between LESSOR and LESSEE in writing., may continue in force for additional five (5) year terms thereafter until terminated by either party by giving to the other written notice of its intention to so terminate at least six (6) months prior to the end of such term. Annual rental during any additional extension shall be equal to 104% or the CPI (whichever is greater) of the annual rental payable with respect to the immediately preceding year.

7. USE; GOVERNMENTAL APPROVALS. LESSEE shall use the Premises for the purpose of constructing, maintaining and operating a communications facility and uses incidental to such and all necessary appurtenances. A security fence consisting of chain link construction or similar but comparable construction may be placed around the perimeter of the Premises at the discretion of LESSEE (not including the access easement). All improvements shall be at LESSEE's expense and the installation of all improvements shall be at the discretion and option of the LESSEE, but subject to LESSOR's right of approval and inspection of the construction or installation, such approval not to be unreasonably withheld, conditioned or delayed. LESSEE shall have the right to replace, repair or otherwise modify its tower equipment during the term of this Agreement and any extension thereof so long as such replacement, repair or other modification does not increase the loading of the Water Tank, alter the location of the equipment on the Water Tank or jeopardize the structural integrity of the Water Tank. Further, LESSEE shall have the right to replace, repair, add or otherwise modify its ground equipment or any portion thereof, during the term of this Agreement and any extension thereof, so long as such does not require additional ground space in excess of that shown in Exhibit A of this Agreement and set forth in Exhibit A attached hereto. If additional ground space is needed, the Parties shall negotiate an amendment to this Agreement setting forth any changes in the lease rate applicable to such addition set forth in Exhibit A attached hereto. LESSEE will maintain the Premises in a good condition reasonable wear and tear excepted. LESSOR will maintain the Property, excluding the Premises, in good condition, reasonable wear and tear excepted. It is understood and agreed that LESSEE's ability to use the Property is contingent upon its obtaining after the execution date of this Agreement all of the certificates, permits and other approvals (collectively the "Governmental Approvals") that may be required by any Federal, State or Local authorities as well as satisfactory soil boring tests which will permit LESSEE use of the Premises as set forth above. LESSOR shall take no action which would adversely affect the permitting of this facility by any other governmental entity, nor the status of the Property with respect to the proposed use by LESSEE. In the event that any of such applications for such Governmental Approvals should be finally rejected or LESSEE determines that such Governmental Approvals may not be obtained in

a timely manner or any Governmental Approval issued to LESSEE is canceled, expires, lapses, or is otherwise withdrawn or terminated by governmental authority or soil boring tests are found to be unsatisfactory so that LESSEE in its sole discretion will be unable to use the Premises for its intended purposes or the LESSEE determines that the Property is no longer technically compatible for its intended use, LESSEE shall have the right to terminate this Agreement upon written notice to LESSOR given in accordance with Section 23, below. All rentals paid to said termination date shall be retained by the LESSOR. Upon such termination, this Agreement shall become null and void and all the Parties shall have no further obligations including the payment of money, to each other.

8. ACCESS TO WATER TANK. Subject to the term of Section 1 of this Agreement as regards access, LESSOR agrees the LESSEE shall have free access to the Water Tank at all times for the purpose of installing and maintaining the said equipment. LESSOR shall furnish LESSEE with necessary means of access for the purpose of ingress and egress to this site and Water Tank location. It is agreed, however, that only authorized engineers, employees or properly authorized contractors of LESSEE or persons under their direct supervision will be permitted to enter said Premises.

9. WATER TANK COMPLIANCE. LESSOR covenants that it will keep the Water Tank in good repair as required by all federal, state, county and local laws. The LESSOR shall also comply with all rules and regulations enforced by the Federal Communications Commission ("FCC") and the Federal Aviation Administration ("FAA") with regard to the lighting, marking and painting of towers. If the LESSOR fails to make such repairs including maintenance the LESSEE may make the repairs and the costs thereof shall be payable to the LESSEE by the LESSOR on demand. If the LESSOR does not make payment to the LESSEE within thirty (30) days after such demand, the LESSEE shall have the right to deduct the costs of the repairs from the succeeding monthly rental amounts normally due from the LESSEE to the LESSOR. Notwithstanding anything contained herein to the contrary, in the event that modifications to the Water Tank are necessary for the Water Tank to comply with rules and regulations enforced by the Federal Communications Commission, LESSEE shall pay a pro-rata share of reasonable expenses associated with such modifications, which pro-rata share shall be computed by dividing the expenses by the number of parties that use the Water Tank for communication purposes.

No materials may be used in the installation of the antennas or transmission lines that will cause corrosion or rust or deterioration of the Water Tank structure or its appurtenances.

All antenna(s) on the Water Tank must be identified by a marking fastened securely to its bracket on the Water Tank and all transmission lines are to be tagged at the conduit opening where it enters any user's equipment space.

All parts and portions of any of LESSEE's facilities attached to the Water Tank shall be painted to as closely as possible match the exact color of the Water Tank, including but not limited to all attachment hardware, excluding cables and cabling.

10. INTERFERENCE. LESSEE agrees to have installed radio equipment of the type and frequency which will not cause measurable interference to the equipment existing as of the date this Agreement is executed by the Parties of the LESSOR or other lessees of the Property. In the event LESSEE's equipment causes such interference, and after LESSOR has been notified of such interference, LESSEE will take all steps necessary and use best efforts to correct and eliminate the interference as expeditiously as possible. LESSOR agrees that LESSOR and/or any other tenants of the Property who currently have or in the future take possession of the Property will be permitted to install only such radio equipment that is of the type and frequency which will not cause measurable interference to the existing equipment of the LESSEE. The Parties acknowledge that there will not be an adequate remedy at law for non-

compliance with the provisions of this paragraph and therefore, either Party shall have the right to specifically enforce the provisions of this paragraph in a court of competent jurisdiction.

11. LESSEE COMPLIANCE. All installations and operation in connection with this Agreement by LESSEE shall at all times meet and comply with all applicable Rules and Regulations of the FCC, FAA and all applicable codes and regulations of the City, county and state concerned. Under this Agreement, the LESSOR assumes no responsibility for the licensing, operation, and/or maintenance of LESSEE's radio equipment.

12. INDEMNIFICATION. Each Party shall indemnify and hold the other harmless against any claim of liability or loss from personal injury or property damage resulting from or arising out of the use and occupancy of the Premises or the Property by the Party, its servants or agents/representatives, excepting, however, such claims or damages as may be due to or caused by the acts or omissions of the other Party, or its servants or agents/representatives. The foregoing indemnification shall include, without limitation, claims of liability or loss arising from LESSEE's failure to comply with the terms and conditions of Paragraph 10 of this Agreement asserted against the LESSOR, its servants or agents, by the FCC or any lessee of the Property existing on the effective date of this Agreement.

13. INSURANCE. LESSOR and LESSEE each agree that at its own cost and expense, each will maintain comprehensive general liability and property liability insurance with liability limits of not less than $1,000,000 for injury to or death of one or more persons in any one occurrence and $500,000 for damage or destruction to property in any one occurrence.

14. TERMINATION. Notwithstanding anything to the contrary contained herein, provided LESSEE is not in default hereunder and shall have paid all rents and sums due and payable to the LESSOR by LESSEE, LESSEE shall have the right to terminate this Agreement provided that: (a) the initial term of this Agreement has expired; and (b) three (3) months prior notice is given the LESSOR. In the event of such termination, LESSEE shall pay a termination fee equal to one year's rent at the rental rate in effect on the date that notice of termination is given by LESSEE to LESSOR.

15. REMOVAL UPON TERMINATION. LESSEE, upon termination of the Agreement, shall, within ninety (90) days, remove its building(s), antenna structure(s) (except footings), fixtures and all property and otherwise restore the Property to its original (Commencement Date) condition, reasonable wear and tear excepted. LESSOR agrees and acknowledges that all of the equipment, fixtures and property of the LESSEE shall remain the property of the LESSEE and the LESSEE shall have the right to remove the same, whether or not said items are considered fixtures and attachments to real property under applicable law. If such time for removal causes any of LESSEE's property to remain on the Premises after termination of this Agreement, LESSEE shall pay rent at the then existing annual rate, pro-rata daily, until such time as the removal of the building, antenna structure, fixtures and all property are completed.

16. RIGHTS UPON SALE Should the LESSOR, at any time during the term of this Agreement, decide to sell all or any part of the Property to a purchaser other than LESSEE, such sale shall be under and subject to this Agreement and LESSEE's rights hereunder, ~~and any sale by the LESSOR of the portion of this property underlying the right-of-way herein granted shall be under and subject to the right of the LESSEE in and to such right-of-way.~~

17. QUIET ENJOYMENT. LESSOR covenants that LESSEE, on paying the rent and performing the covenants shall peaceably and quietly have, hold and enjoy the Premises.

18. TITLE. LESSOR covenants that LESSOR is seized of good and sufficient title and interest to the Property and has full authority to enter into and execute this Agreement. LESSOR further covenants that there are no other liens, judgments or impediments of title on the Property, or affecting LESSOR's title to the same, and that there are no covenants, easements or restrictions which prevent the use of the Premises by the LESSEE as set forth above.

19. INTEGRATION. It is agreed and understood that this Agreement contains all agreements, promises and understandings between the LESSOR and LESSEE regarding the subject matter hereof and that no verbal or oral agreements, promises or understandings shall be binding upon either the LESSOR or LESSEE in any dispute, controversy or proceeding at law, and any addition, variation or modification to this Agreement shall be void and ineffective, unless made in writing and is signed by the Parties. In the event any provision of the Agreement is found to be invalid or unenforceable, such finding shall not affect the validity and enforceability of the remaining provisions of this Agreement.

20. WAIVER. The failure of either Party to insist upon strict performance of any of the terms or conditions of this Agreement or to exercise any of its rights under the Agreement shall not waive such rights nor change any obligation, performance requirement or condition and such Party shall have the right to enforce such rights at any time and take such action as may be lawful and authorized under this Agreement, either in law or in equity.

21. GOVERNING LAW. This Agreement and the performance thereof shall be governed, interpreted, construed and regulated by the laws of the State in which the Property is located.

22. ASSIGNMENT. This Agreement may be sold, assigned or transferred by the LESSEE without any approval or consent of the LESSOR to the LESSEE's principal, affiliates, subsidiaries of its principal or to any entity which acquires all or substantially all of LESSEE's assets in the market defined by the FCC in which the Property is located by reason of a merger, acquisition or other business reorganization. As to other parties, this Agreement may not be sold, assigned or transferred without the written consent of the LESSOR, which such consent will not be unreasonably withheld or delayed. This Agreement may not be sold, assigned or transferred by the LESSEE to any party convicted of a felony ~~or to any foreign-owned entity~~ without the express written consent of LESSOR.

23. NOTICES. All notices hereunder must be in writing and shall be deemed validly given if sent by certified mail, return receipt requested or by commercial courier, provided the courier's regular business is delivery service and provided further that it guarantees delivery to the addressee by the end of the next business day following the courier's receipt from the sender, addressed as follows (or any other address that the Party to be notified may have designated to the sender by like notice):

LESSOR: City of Neptune Beach
116 First Street
Neptune Beach, FL 32266
Attention: James R. Jarboe, City Manager

LESSEE: T-Mobile South LLC
7025 A. C. Skinner Pkwy.
Jacksonville, FL 32256
Attn: Real Estate Manager

WITH COPIES TO: T-Mobile South LLC
12920 SE 38th Street
Bellevue, WA 98006
Attn: PCS Lease Admin.

24. SUCCESSORS. This Agreement shall run with the land and extend to and bind the lawful heirs, personal representatives, successors and assigns of the Parties hereto.

25. SUBORDINATION AND NON-DISTURBANCE. At LESSOR's option, this Agreement shall be subordinate to any mortgage or other security interest by LESSOR which from time to time may encumber all or part of the Property or right-of-way; provided, however, every such mortgage or other security interest shall recognize the validity of this Agreement in the event of a foreclosure of LESSOR's interest and also LESSEE's right to remain in occupancy of and have access to the Premises as long as LESSEE is not in default of this Agreement. LESSEE shall execute whatever instruments may reasonably be required to evidence this subordination clause. In the event the Property is encumbered by a mortgage or other security interest, the LESSOR, immediately after this Agreement is executed, will obtain and furnish to LESSEE, a non-disturbance agreement for each such mortgage or other security interest in recordable form. In the event the LESSOR defaults in the payment and/or other performance of any mortgage or other security interest encumbering the Property, LESSEE, may, at its sole option and without obligation, cure or correct LESSOR's default and upon doing so, LESSEE shall be subrogated to any and all rights, titles, liens and equities of the holders of such mortgage or security interest and the LESSEE shall be entitled to deduct and setoff against all rents that may otherwise become due under this Agreement the sums paid by LESSEE to cure or correct such defaults.

26. RECORDING. LESSOR agrees to execute a Memorandum of this Lease Agreement which LESSEE may record with the appropriate Recording Officer.

27. DEFAULT.

a. In the event there is a default by the LESSEE with respect to any of the provisions of this Agreement or its obligations under it, including the payment of rent, the LESSOR shall give LESSEE written notice of such default. After receipt of such written notice, the LESSEE shall have fifteen (15) days in which to cure any monetary default and thirty (30) days in which to cure any non-monetary default that does not affect the security or use of LESSOR'S Property or facilities at this location or that of any service provided by other tenants, in which case LESSOR may require a more expeditious cure, provided the LESSEE shall have such extended period as may be required beyond the thirty (30) days if the nature of the cure is such that it reasonably requires more than thirty (30) days and the LESSEE commences the cure within ~~ten (10)~~ thirty (30) days of the written notice and thereafter continuously and diligently pursues the cure to completion.

b. In the event there is a default by the LESSOR that does not create a threat to the public safety or to those working on or around the Water Tank, with respect to any of the provisions of this Agreement or its obligations under it, the LESSEE shall give LESSOR written notice of such default. After receipt of such written notice, the LESSOR shall have thirty (30) ~~sixty (60)~~ days in which to cure any non-monetary default, provided the LESSOR shall have such extended period as may be required beyond the thirty (30) ~~sixty (60)~~ days if the nature of the cure is such that it reasonably requires more than thirty (30) ~~sixty (60)~~ days and the LESSOR commences the

cure within the thirty (30) ~~sixty (60)~~ day period and thereafter continuously and diligently pursues the cure to completion. The LESSEE may not maintain any action or effect any remedies for default against the LESSOR unless and until the LESSOR has failed to cure the same within the time periods provided in this paragraph.

c. LESSEE shall always remedy defaults that create a safety threat immediately upon notification, regardless of the time of day or night, if deemed necessary, or the next day if not so deemed.

28. ENVIRONMENTAL and OSHA.

a. LESSOR and LESSEE will each be responsible for all obligations of compliance with any and all laws and regulations, including any environmental and industrial hygiene laws, including any regulations, guidelines, standards, or policies of any governmental authorities regulating or imposing standards of liability or standards of conduct with regard to any environmental or industrial hygiene conditions or concerns or violations of the Occupational Safety and Health Act or similar law of the State of Florida as may now or at any time hereafter be in effect, that are or were in any way related to activity now conducted in, on, or in any way related to the Property or their respective facilities thereon, unless such conditions or concerns are caused by the activities of the other party to this Agreement or by a third party.

b. LESSOR and LESSEE shall hold each other harmless and indemnify each other from and assume all duties, responsibility and liability at each party's sole cost and expense, for all duties, responsibilities, and liability (for payment of penalties, sanctions, forfeitures, losses, costs, or damages) and for responding to any action, notice, claim, order, summons, citation, directive, litigation, investigation or proceeding which is in any way related to: a) failure to comply with any environmental or industrial hygiene law or OSHA regulation, including without limitation any regulations, guidelines, standards, or policies of any governmental authorities regulating or imposing standards of liability or standards of conduct with regard to any environmental or industrial hygiene concerns, safety concerns or conditions as may now or at any time hereafter be in effect, unless such compliance results from conditions caused by the other party or a third party; and b) any environmental or industrial hygiene conditions arising out of or in any way related to the condition of the Property or activities conducted thereon, unless such environmental conditions are caused by the other party or a third party .

29. CASUALTY. In the event that the Water Tank is damaged by fire, wind or other casualty in a manner that prevents the continuation of LESSEE's use as contemplated by this Agreement in a commercially reasonable manner, the LESSOR shall have sixty (60) days in which to decide whether or not to repair or rebuild the Water Tank. If the LESSOR elects not to repair or rebuild the Water Tank , then LESSOR shall use best efforts to relocate LESSEE's facilities in accordance with the terms and conditions of paragraph 35 of this Agreement. In the event that LESSEE cannot use the Property as contemplated by this Agreement, LESSOR shall permit LESSEE to use a temporary transmission site or cell on wheels ("COW") on the Property, or if the Property is not suitable for the placement of a COW at the LESSOR's public works facility located at 2010 Forest Ave, NB. in a location reasonably agreed upon between LESSOR and LESSEE, until such time as the later of the following events occur: (i) the Water Tank is repaired or rebuilt in a manner that permits LESSEE's use as set forth in this Agreement; (ii) LESSEE is relocated to an Alternate Property in accordance with paragraph 35 of this Agreement; or (iii) eighteen (18) months from the date that LESSOR decides whether or not to repair or rebuild the Water Tank.

30. CONDEMNATION. In the event of any condemnation of the Property, LESSEE may terminate this Agreement upon fifteen (15) days written notice to LESSOR if such condemnation may reasonably be expected to disrupt LESSEE's operations at the Premises for more than forty-five (45) days. LESSEE may on its own behalf make a claim in any condemnation proceeding involving the Premises for losses related to the antennas, equipment, its relocation costs and its damages and losses (but not for the loss of its leasehold interest). Any such notice of

termination shall cause this Agreement to expire with the same force and effect as though the date set forth in such notice were the date originally set as the expiration date of this Agreement and the parties shall make an appropriate adjustment as of such termination date with respect to payments due to the other under this Agreement.

31. SUBMISSION OF LEASE. The submission of this Agreement for examination does not constitute an offer to lease the Premises and this Agreement becomes effective only upon the full execution of this Agreement by the Parties. If any provision herein is invalid, it shall be considered deleted from this Agreement and shall not invalidate the remaining provisions of this Agreement. Each of the Parties hereto warrants to the other that the person or persons executing this Agreement on behalf of such party has the full right, power and authority to enter into and execute this Agreement on such Party's behalf and that no consent from any other person or entity is necessary as a condition precedent to the legal effect of this Agreement.

32. APPLICABLE LAWS. LESSEE shall use the Premises as may be required or as permitted by applicable laws, rules and regulations. LESSOR agrees to keep the Property in conformance with all applicable, laws, rules and regulations and agrees to reasonably cooperate with the LESSEE regarding any compliance required by the LESSEE in respect to its use of the Premises.

33. SURVIVAL. The provisions of the Agreement relating to indemnification from one Party to the other Party shall survive any termination or expiration of this Agreement. Additionally, any provisions of this Agreement which require performance subsequent to the termination or expiration of this Agreement shall also survive such termination or expiration.

34. CAPTIONS. he captions contained in this Agreement are inserted for convenience only and are not intended to be part of the Agreement. They shall not affect or be utilized in the construction or interpretation of the Agreement.

35. RELOCATION. In the event that due to technological advances LESSOR of its own volition redevelops or otherwise alters its use of the Property in such a manner that LESSEE's use of the Premises is made technically impracticable or incompatible with such redevelopment or alteration, LESSOR may relocate LESSEE to another location either on the Property or on other property owned by LESSOR (herein referred to as the "Alternate Property"), provided: (a) LESSEE's premises at the Alternate Property is similar in size to, and in any event not smaller than, the Premises and does not create a situation of technical impracticability for LESSEE; (b) LESSEE may take a credit against future rent owed under this Agreement for all costs incurred by LESSEE for relocating LESSEE's equipment from the Property to the Alternate Property and improving the Alternate Property so that the Alternate Property is substantially similar to the original Property, including all costs incurred to obtain all of the certificates, permits and other approvals that may be required by any Federal, State or Local authorities as well as any satisfactory soil boring tests which will permit LESSEE use of the Alternate Property; (c) LESSOR shall give LESSEE at least eighteen (18) months prior written notice before requiring LESSEE to relocate, provided no such notice is required if the redevelopment or alteration is caused by a destruction of the Water Tank due to an Act of God, strike, labor disputes, war, fire, earthquake, acts of public enemies, acts of terrorism, epidemic, action of federal, state or local governmental authorities or an event or reason beyond the reasonable control of a party; (d) LESSEE's wireless service to its customers will not be interrupted by the relocation; and (e) LESSEE shall be allowed if necessary to place a temporary cell site and antenna structure on LESSOR's Property during relocation. The LESSOR shall cooperate and make reasonable efforts to identify an Alternate Property that is acceptable to LESSEE. In the event that an Alternate Property that is acceptable to LESSOR and LESSEE cannot be identified after LESSOR has made best efforts to identify an Alternative Property that is acceptable to LESSEE, this Agreement shall terminate upon the expiration of the notice period provided in this Section.

<SIGNATURE PAGE TO FOLLOW>

Site Name:
Site ID:

IN WITNESS WHEREOF, the Parties hereto have set their hands and affixed their irrespective seals the day and year first above written.

ATTEST:

Lisa Volpe

Name: Lisa Volpe
Title: City Clerk

LESSOR:

City of Neptune Beach

By: Richard A. Brown

Name: Richard A. Brown
Title: Mayor

Date: 7-27-07

WITNESSES:

Kelly M Williamson
Kelly M Williamson
Print Name

Lindsay Ritter
Lindsay Ritter
Print Name

LESSEE:

T-Mobile South LLC

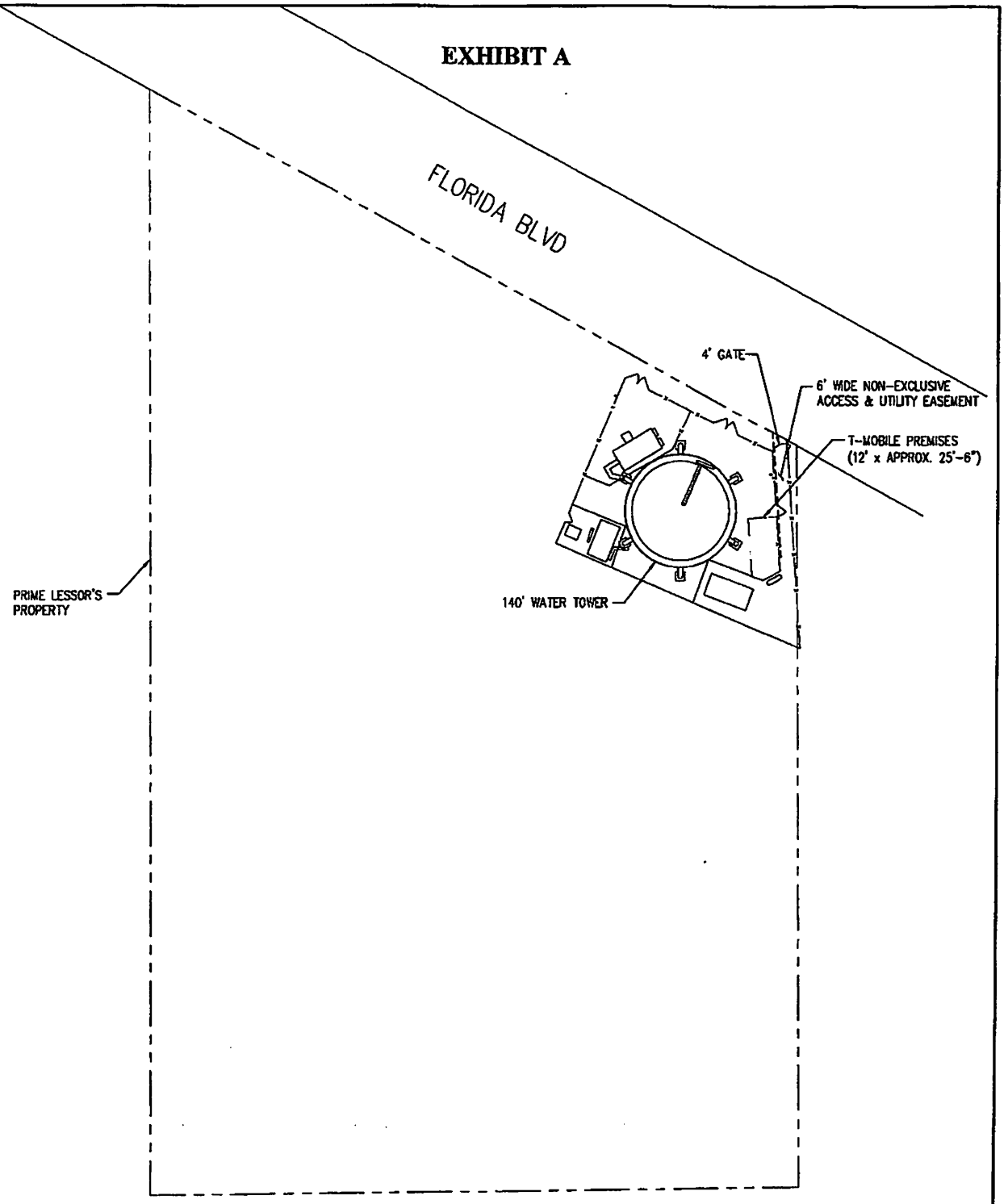
By: T. B. Chandler

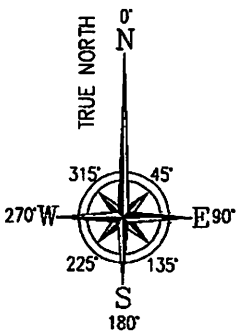
Name: Tim B. Chandler
Title: Area Director

Date: 8/3/07

EXHIBIT "A"
Legal Description and Site Sketch
Site ID:

EXHIBIT A





NOT TO SCALE

LEASE EXHIBIT SITE PLAN

SCALE: NOT TO SCALE

PROJECT NO: 07304	DATE: JULY XX, 2007	DRAWING: L.E. 1 of 2	TECHNICAL ASSOCIATES 12278 SAN JOSE BLVD. SUITE 425 JACKSONVILLE, FLORIDA 32223 OFFICE: 904-636-0779 FAX: 904-886-0838 CERTIFICATE OF AUTHORITY # 28921	LEASE EXHIBIT SITE PLAN SITE # 9JK0399B "SANDPIPER" 1325 FLORIDA BLVD NEPTUNE BEACH, FL 32266	T-Mobile T-MOBILE USA JACKSONVILLE, MTA	SCALE: AS SHOWN	DRAWN BY: MJL	DESIGN BY: MJL	CHECKED BY: JA

DO NOT SCALE THIS DRAWING — DIMENSIONS AND NOTES TAKE PREFERENCE

REVISIONS			
NO.	DATE	DESCRIPTION	BY
	XX-XX-XX	LEASE EXHIBIT	XXX

EXHIBIT A

LEGAL DESCRIPTION

Property located in Duval County, FL

Commencing at the intersection of the South right of way line of the Florida Boulevard and the North right of way line of Forest Avenue and running in a Westerly direction along the North right of way line of Forest Avenue for a distance of 589.5 feet to a point; thence North 0 degrees 30 minutes West for a distance of 150 feet to a Point of Beginning; thence South 89 degrees 30 minutes West for a distance of 290.5 feet to the Northwest corner of one-acre parcel of land previously deeded to the Town of Neptune Beach, Florida (Deed Book 777, Page 258); thence North 0 degrees 30 minutes West for a distance of 338 feet to the South right of way line of Florida Boulevard; thence in a Southeasterly direction along said line for a distance of 331.13 feet to a point; thence South 0 degrees 30 minutes east, 178.8 feet to the Point of Beginning, being in Section 38, Township 2 South, Range 29 East.

LESS AND EXCEPT that portion of land conveyed to Duval County from City of Neptune Beach, a municipal corporation by Quit Claim Deed dated April 28, 1961, and recorded May 8, 1961 in Deed Book 1279, Page 524.

AND BEING the same property conveyed to The Town of Neptune Beach from J.T.G. Crawford and Paula H. Crawford, his wife by Deed dated January 18, 1938, and recorded February 2, 1938 in Deed Book 777, Page 255, AND FURTHER conveyed to Town of Neptune Beach from J.T. G. Crawford and Paula h. Crawford, his wife by Deed dated May 25, 1939, and recorded June 6, 1939 in Deed Book 825, Page 331.

Tax Parcel No. 177396-0000

Site Name:
Site ID:

EXHIBIT "B"
Site ID:

LESSEE is authorized to install and maintain the following equipment:

ANTENNA INFORMATION

ANTENNAS: Nine (9) __TMBX-6517-R2M-2D\TMBX-65_ _____ @ approximate 130'(TBD @ final design)_____'
Azimuths: 40, 160, and 240
TMAs: Nine (9) KRY112
Coax: Eighteen (18) Lines @ 1-5/8" diameter each
Generator: One (1) Generac SD 020 (Diesel)
Cabinet/RBS: Four (4) Erricson RBS2106

Orientation:_____ _____

Diameter of transmission line: Not to exceed 1-5/8_____"

Special Meeting
Agenda Item
#3A-C
1112 Third Street

CITY OF NEPTUNE BEACH
CITY COUNCIL MEETING
STAFF REPORT

AGENDA ITEM:	Resolutions for Land Transfer and Easement Vacation: 1112 Third Street, LLC "Parkside Office Complex"
SUBMITTED BY:	Heather Whitmore, AICP, PTP, Community Development Director
DATE:	February 17, 2026
BACKGROUND:	On August 4, 2025, the City and Developer entered into a Development Agreement pertaining to Parkside Office Complex in which the City agreed to accept simple fee title to a portion of property in exchange for a vacation of a public ROW. The purpose of the development agreement is to permit1) a land exchange of public right-way, 2) 20 public parking space and paving improvements in public rights-of-way, 3) a shared parking agreement for developer improved parking spaces in the right-of-way, and 4) abandonment of a public utility easement. The developers request the City agree to a land swap by vacating a 2,936 SF portion of Magnolia Street (Parcel 2 of draft plat attached) to be provided to the developer in exchange for the developer giving the City a 4,318 SF portion of private property (Parcel 3 of draft plat attached) to be dedicated to the North Street ROW. The developer commits to repave the Magnolia Street ROW and provide seven publicly shared parking spaces, as well as repave the North Street ROW and provide 13 publicly shared parking spaces. The applicant requests a shared parking agreement with the City to utilize those newly improved 20 public parking spaces as off-site parking to serve the office during regular business hours. Lastly, the developer requests the termination of an abandoned public utility easement traversing the western side of the site.
BUDGET:	NA

RECOMMENDATION:	Approve
ATTACHMENT:	**Exhibit 1)** Agreement for Exchange of Real Property **Exhibit 2)** Resolution to Transfer a Part of The Southerly Right of Way of Magnolia Street From the City to Parkside Office Complex (Parcel 2 of draft plat attached) **Exhibit 3)** Resolution to Transfer a Part of North Street From Parkside Office Complex to The City (Parcel 3 of draft plat attached) **Exhibit 4)** Resolution to Terminate Easement **Exhibit 5)** Draft Parkside Office Complex Plat

AGREEMENT FOR EXCHANGE OF REAL PROPERTY

This Agreement for Exchange of Real Property is between the City of Neptune Beach, Florida, a Florida municipality, hereinafter referred to as "CITY" and 1112 Third Street, LLC, a Florida limited liability company, hereinafter referred to as "DEVELOPER".

WITNESSETH:

WHEREAS, DEVELOPER is the owner of a parcel of land adjacent to North Street with the following legal description ("North Street Parcel"):

> A PORTION OF LOTS 4 & 5, BLOCK 1, NEPTUNE GARDENS, ACCORDING TO PLAT THEREOF RECORDED IN PLAT BOOK 16, PAGE(S) 91, OF THE CURRENT PUBLIC RECORDS OF DUVAL COUNTY, FLORIDA, MORE PARTICULARLY DESCRIBED AS FOLLOWS:
>
> COMMENCE AT THE SOUTH EAST CORNER OF AFORESAID LOT 4, THENCE NORTH 06° 35' 23" WEST, A DISTANCE OF 18.00 FEET, THENCE SOUTH 89° 10' 40" WEST, A DISTANCE OF 241.12 FEET, THENCE SOUTH 06° 42' 15" EAST, A DISTANCE OF 18.00 FEET, THENCE NORTH 89° 10' 40" EAST, A DISTANCE OF 241.09 FEET TO THE POINT OF BEGINNING; and

WHEREAS, CITY is the owner of Magnolia Street with a part of the City right-of-way subject to the following legal description ("Magnolia Street Parcel"):

> A PART OF THE SOUTHERLY RIGHT OF WAY OF MAGNOLIA STREET (HAVING A 57 FOOT RIGHT OF WAY) AND MORE PARTICULARLY DESCRIBED AS FOLLOWS:
>
> FOR A POINT OF BEGINNING, COMMENCE AT THE NORTH EASTERLY CORNER OF LOT 1 BLOCK 1, NEPTUNE GARDENS, ACCORDING TO PLAT THEREOF RECORDED IN PLAT BOOK 16, PAGE(S) 91, OF THE CURRENT PUBLIC RECORDS OF DUVAL COUNTY, FLORIDA, THENCE NORTH 63° 09' 34" WEST, A DISTANCE OF 23.35 FEET, THENCE SOUTH 83° 45' 53" WEST, A DISTANCE OF 220.68 FEET, THENCE SOUTH 06° 14' 07" EAST, A DISTANCE OF 12.74 FEET, THENCE NORTH 83° 45' 53" EAST A DISTANCE OF 240.24 TO THE POINT OF BEGINNING.

WHEREAS, DEVELOPER is also the owner of real property located at 1102 and 1112 Third Street, Neptune Beach, Florida, which is currently developed with single family and office uses and which DEVELOPER intends to redevelop to include approximately 28,000 square feet of office and related uses (the "Intended Use"); and

WHEREAS, DEVELOPER believes it would be in the best interest of the public for it to acquire the subject Magnolia Street Parcel from CITY to use for improvement and development in coordination with DEVELOPER's Intended Use; and

WHEREAS, CITY believes it would be in the best interest of the public to acquire the subject North Street Parcel from DEVELOPER for an enlarged right-of-way and better accessibility within North Street and for the repaving and improvement of certain parking spaces adjacent thereto that will serve, in addition to the subject property, that general public area, which includes abutting public park sports amenities; and

WHEREAS, CITY and DEVELOPER wish to exchange the above described parcels;

NOW, THEREFORE, in consideration of the respective undertakings described herein and other good, valuable and sufficient considerations, the parties hereto agree as follows:

1. The above recitals are true and correct and incorporated herein as a material basis for this agreement.

2. CITY shall execute and deliver a good and sufficient deed, acceptable to the title company, conveying to DEVELOPER a fee simple title in and to the above described Magnolia Street Parcel presently owned by CITY.

3. DEVELOPER shall execute and deliver a good and sufficient deed, acceptable to the title company, conveying to CITY a fee simple title in and to the above described North Street Parcel presently owned by DEVELOPER.

4. Within a period of fifteen (15) days after the approval and execution of this Agreement, each party shall obtain and deliver to the other party a commitment of title insurance issued by a title insurer authorized to transact business in the State of Florida, acceptable to both parties, showing the title to each of the respective parcels and the easement to be vested in the present owner thereof subject to such objections as appear in the commitment of title insurance.

5. Each party shall have a period of ten (10) days after receipt of the title insurance commitment within which to examine same and to submit to the other party its objections to the exceptions that are contained in the title insurance commitment and the other party shall have thirty (30) days within which to cure such objections.

6. If the objections cannot be resolved or cured within the thirty (30) day period, the objecting party shall have the option of cancelling this agreement or waiving the objections and accepting title to the respective property subjective to the objections.

7. Each party shall be responsible for the costs related to their respective parcel as far as preparation and recording of documents needed to clear objections from the title to their parcel, preparation of deed of conveyance and easement; their attorney's fees and the cost of recording the deed from the other party.

8. The transactions contemplated herein shall be completed and consummated on or before _____, 2026.

9. This Agreement may be executed in two or more counterparts, each of which shall be deemed an original.

IN WITNESS WHEREOF, the parties have approved and caused this Agreement to be executed by each of their respective duly authorized officers the date beneath their signatures.

CITY OF NEPTUNE BEACH	**1112 THIRD STREET, LLC.**
By: _____	By: _____
Dated: _____	Dated: _____

3A - Res. No. 2026-04
Transfer from City of Neptune Beach

RESOLUTION NO. 2026-04

A RESOLUTION OF THE CITY OF NEPTUNE BEACH, DUVAL COUNTY, FLORIDA, APPROVING THE PARKSIDE OFFICE COMPLEX LAND AGREEMENT TO TRANSFER CERTAIN PORTIONS OF LAND FROM REAL PROPERTY LOCATED AT 1102 AND 1112 THIRD STREET, NEPTUNE BEACH, FLORIDA, FROM THE CITY OF NEPTUNE BEACH TO 1112 THIRD STREET, LLC; PROVIDING FOR INCORPORATION OF RECITALS, REQUIRED FINDINGS, AND AN EFFECTIVE DATE.

WHEREAS, 1112 Third Street, LLC ("Developer") was the owner of real property located at 1102 and 1112 Third Street, Neptune Beach, Florida (collectively, the "Property"); and

WHEREAS, the City of Neptune Beach ("City") was the owner of: i) Magnolia Street, a one hundred foot right of way immediately adjacent to the Property to the north; ii) public park property improved with sports fields adjacent to the Property to the south across North Street (inclusive of lands located at 301 Florida Boulevard, Neptune Beach, Florida (RE Parcel 1731115-0000)); and iii) Jarboe Park immediately adjacent to the Property to the west (inclusive of lands located at 301 Florida Boulevard, Neptune Beach, Florida (RE Parcel 173115-0000)); and

WHEREAS, on August 4, 2025, the City and Developer (collectively, the "Parties") entered into a Development Agreement pertaining to Parkside Office Complex ("Development Agreement"), under the terms of which the City agreed to accept fee simple title to that portion of the Property, as described further in exhibits attached thereto; and

WHEREAS, this conveyance is mutually agreed upon between Developer and the City; and

WHEREAS, the City Council finds that this conveyance is in the best interest of the public.

NOW THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF NEPTUNE BEACH, FLORIDA:

SECTION 1. The foregoing findings are true and correct and are hereby adopted and made a part hereof.

SECTION 2. DIRECTION TO THE MAYOR. The Mayor, or in the Mayor's absence the Vice Mayor, is hereby authorized to executed the Development Agreement.

SECTION 3. DIRECTION TO CITY CLERK. The City Clerk is hereby authorized and directed to record any right-of-way map(s) and/or other recordable instruments required by the Development Agreement upon execution of the Development Agreement.

SECTION 4. SEVERABILITY. If any provision of this Resolution is held invalid by a court of competent jurisdiction, or if any portion becomes preempted by state law, the affected provision shall be deemed stricken and the remainder shall continue in full force and effect.

SECTION 5. EFFECTIVE DATE. This Resolution shall take effect immediately upon its adoption by the City Council.

This Resolution adopted by the City Council of Neptune Beach, Florida, at the Special City Council Meeting held on this _____ day of _____, 2026.

_____
Corrine A. Bylund, Mayor

ATTEST:

_____
Catherine Ponson, City Clerk

Approved as to Form and Content:

_____
Paul Waters, City Attorney

Prepared by, Record and Return to:
Jason R. Gabriel, Esq.
Burr & Forman LLP
50 N. Laura Street, Suite 3000
Jacksonville, Florida 32202

SPECIAL WARRANTY DEED

THIS SPECIAL WARRANTY DEED made this ____ day of _____, 2026, by **CITY OF NEPTUNE BEACH, FLORIDA**, a Florida municipality (the "Grantor"), whose mailing address is 116 First Street, Neptune Beach, Florida 32266, and **1112 THIRD STREET, LLC**, a Florida limited liability company (the "Grantee"), whose mailing address is c/o Spectrum Realty Services, LLC, 9803 Old St. Augustine Road, Suite 1, Jacksonville, Florida 32257 (wherever used herein, the terms "Grantor" and "Grantee" include all the parties to this instrument and the heirs, legal representatives and assigns of individuals, and the successors and assigns of corporations):

W I T N E S S E T H:

That the said Grantor, for and in consideration of the sum of Ten and No/100 Dollars ($10.00) and other valuable consideration, the receipt whereof is hereby acknowledged, hereby grants, bargains, sells, aliens, remises, releases, conveys and confirms unto the said Grantee, its heirs, legal representatives, successors and assigns forever, the following described land (the "Land"), situate, lying and being in Duval County, State of Florida:

See Exhibit "A" attached hereto
and by this reference made a part hereof.

together with all tenements, hereditaments and appurtenances of Grantor belonging or in any wise appertaining to the Land (collectively, the "Property"), subject to the those matters described on Exhibit "B" attached hereto (the "Permitted Encumbrances").

To have and to hold the Property in fee simple forever.

Except as set forth in the Permitted Encumbrances, Grantor does hereby fully warrant the title to said Property and will defend the same against the lawful claims of all persons claiming by, through and under Grantor, but against none other.

IN WITNESS WHEREOF, the said Grantor has caused this instrument to be executed on the day and year first above written.

Signed, sealed and delivered
in the presence of:

GRANTOR:

_____

CITY OF NEPTUNE BEACH, FLORIDA, a Florida municipality

_____

By: _____
Cori Bylund, Mayor

_____

_____

Attested:

By: _____
Catherine Ponson, City Clerk

STATE OF FLORIDA
COUNTY OF DUVAL

The foregoing instrument was acknowledged before me by means of ☐ physical presence or ☐ remote notarization, this ____ day of _____, 2026, by Cori Bylund, the Mayor of **CITY OF NEPTUNE BEACH, FLORIDA**, a Florida municipality, on behalf of the City. She *(check one)* ☐ is personally known to me, or ☐ has produced a valid driver's license as identification.

_____
Print Name:_____
Notary Public, State and County Aforesaid
My Commission Expires:_____
Commission Number:_____

Exhibit "A"
Legal Description

A PART OF THE SOUTHERLY RIGHT OF WAY OF MAGNOLIA STREET (HAVING A 57 FOOT RIGHT OF WAY) AND MORE PARTICULARLY DESCRIBED AS FOLLOWS:

FOR A POINT OF BEGINNING, COMMENCE AT THE NORTH EASTERLY CORNER OF LOT 1 BLOCK 1, NEPTUNE GARDENS, ACCORDING TO PLAT THEREOF RECORDED IN PLAT BOOK 16, PAGE(S) 91, OF THE CURRENT PUBLIC RECORDS OF DUVAL COUNTY, FLORIDA, THENCE NORTH 63° 09' 34" WEST, A DISTANCE OF 23.35 FEET, THENCE SOUTH 83° 45' 53" WEST, A DISTANCE OF 220.68 FEET, THENCE SOUTH 06° 14' 07" EAST, A DISTANCE OF 12.74 FEET, THENCE NORTH 83° 45' 53" EAST A DISTANCE OF 240.24 TO THE POINT OF BEGINNING.

EXHIBIT "B"
Permitted Encumbrances

1. Taxes and assessments for 2026 and all subsequent years, which are not yet due and payable.

2. Plat of Neptune Gardens recorded in Plat Book 16, Page 91.

(All recording references herein are to the current public records of Duval County, Florida)

3B - Res. No. 2026-05
Transfer to City of Neptune Beach

RESOLUTION NO. 2026-05

A RESOLUTION OF THE CITY OF NEPTUNE BEACH, DUVAL COUNTY, FLORIDA, APPROVING THE PARKSIDE OFFICE COMPLEX LAND AGREEMENT TO TRANSFER CERTAIN PORTIONS OF LAND FROM REAL PROPERTY LOCATED AT 1102 AND 1112 THIRD STREET, NEPTUNE BEACH, FLORIDA, FROM 1112 THIRD STREET, LLC TO THE CITY OF NEPTUNE BEACH; PROVIDING FOR INCORPORATION OF RECITALS, REQUIRED FINDINGS, AND AN EFFECTIVE DATE.

WHEREAS, 1112 Third Street, LLC ("Developer") was the owner of real property located at 1102 and 1112 Third Street, Neptune Beach, Florida (collectively, the "Property"); and

WHEREAS, the City of Neptune Beach ("City") was the owner of: i) Magnolia Street, a one hundred foot right of way immediately adjacent to the Property to the north; ii) public park property improved with sports fields adjacent to the Property to the south across North Street (inclusive of lands located at 301 Florida Boulevard, Neptune Beach, Florida (RE Parcel 1731115-0000)); and iii) Jarboe Park immediately adjacent to the Property to the west (inclusive of lands located at 301 Florida Boulevard, Neptune Beach, Florida (RE Parcel 173115-0000)); and

WHEREAS, on August 4, 2025, the City and Developer (collectively, the "Parties") entered into a Development Agreement pertaining to Parkside Office Complex ("Development Agreement"), under the terms of which the Developer agreed to vacate and convey to Developer fee simple title to that portion of Magnolia Street titled the Magnolia Street Parcel, as described further in exhibits attached thereto; and

WHEREAS, this conveyance is mutually agreed upon between Developer and the City; and

WHEREAS, the City Council finds that this conveyance is in the best interest of the public.

NOW THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF NEPTUNE BEACH, FLORIDA:

SECTION 1. The foregoing findings are true and correct and are hereby adopted and made a part hereof.

SECTION 2. DIRECTION TO THE MAYOR. The Mayor, or in the Mayor's absence the Vice Mayor, is hereby authorized to executed the Development Agreement.

SECTION 3. DIRECTION TO CITY CLERK. The City Clerk is hereby authorized and directed to record any right-of-way map(s) and/or other recordable instruments required by the Development Agreement upon execution of the Development Agreement.

SECTION 4. SEVERABILITY. If any provision of this Resolution is held invalid by a court of competent jurisdiction, or if any portion becomes preempted by state law, the affected provision shall be deemed stricken and the remainder shall continue in full force and effect.

SECTION 5. EFFECTIVE DATE. This Resolution shall take effect immediately upon its adoption by the City Council.

This Resolution adopted by the City Council of Neptune Beach, Florida, at the Special City Council Meeting held on this _____ day of _____, 2026.

_____
Corrine A. Bylund, Mayor and Chairperson

ATTEST:

_____
Catherine Ponson, City Clerk

Approved as to Form and Content:

_____
Paul Waters, City Attorney

Prepared by, Record and Return to:
Jason R. Gabriel, Esq.
Burr & Forman LLP
50 N. Laura Street, Suite 3000
Jacksonville, Florida 32202

SPECIAL WARRANTY DEED

THIS SPECIAL WARRANTY DEED made this ____ day of _____, 2026, by **1112 THIRD STREET, LLC**, a Florida limited liability company (the "Grantor"), whose mailing address is c/o Spectrum Realty Services, LLC, 9803 Old St. Augustine Road, Suite 1, Jacksonville, Florida 32257, and **CITY OF NEPTUNE BEACH, FLORIDA**, a Florida municipality (the "Grantee"), whose mailing address is 116 First Street, Neptune Beach, Florida 32266 (wherever used herein, the terms "Grantor" and "Grantee" include all the parties to this instrument and the heirs, legal representatives and assigns of individuals, and the successors and assigns of corporations):

W I T N E S S E T H:

That the said Grantor, for and in consideration of the sum of Ten and No/100 Dollars ($10.00) and other valuable consideration, the receipt whereof is hereby acknowledged, hereby grants, bargains, sells, aliens, remises, releases, conveys and confirms unto the said Grantee, its heirs, legal representatives, successors and assigns forever, the following described land (the "Land"), situate, lying and being in Duval County, State of Florida:

See Exhibit "A" attached hereto
and by this reference made a part hereof.

together with all tenements, hereditaments and appurtenances of Grantor belonging or in any wise appertaining to the Land (collectively, the "Property"), subject to the those matters described on Exhibit "B" attached hereto (the "Permitted Encumbrances").

To have and to hold the Property in fee simple forever.

Except as set forth in the Permitted Encumbrances, Grantor does hereby fully warrant the title to said Property and will defend the same against the lawful claims of all persons claiming by, through and under Grantor, but against none other.

IN WITNESS WHEREOF, the said Grantor has caused this instrument to be executed on the day and year first above written.

Signed, sealed and delivered
in the presence of:

GRANTOR:

1112 THIRD STREET, LLC, a Florida limited liability company

_____
Print Name:_____
Address: _____
_____

By: _____
Name: _____
Title: _____

_____
Print Name:_____
Address: _____
_____

STATE OF FLORIDA
COUNTY OF DUVAL

The foregoing instrument was acknowledged before me by means of ☐ physical presence or ☐ remote notarization, this ____ day of _____, 2026, by _____, the _____ of **1112 THIRD STREET, LLC**, a Florida limited liability company, on behalf of the company. He/she *(check one)* ☐ is personally known to me, or ☐ has produced a valid driver's license as identification.

_____
Print Name:_____
Notary Public, State and County Aforesaid
My Commission Expires:_____
Commission Number:_____

Exhibit "A"
Legal Description

A PORTION OF LOTS 4 & 5, BLOCK 1, NEPTUNE GARDENS, ACCORDING TO PLAT THEREOF RECORDED IN PLAT BOOK 16, PAGE(S) 91, OF THE CURRENT PUBLIC RECORDS OF DUVAL COUNTY, FLORIDA, MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCE AT THE SOUTH EAST CORNER OF AFORESAID LOT 4, THENCE NORTH 06° 35' 23" WEST, A DISTANCE OF 18.00 FEET, THENCE SOUTH 89° 10' 40" WEST, A DISTANCE OF 241.12 FEET, THENCE SOUTH 06° 42' 15" EAST, A DISTANCE OF 18.00 FEET, THENCE NORTH 89° 10' 40" EAST, A DISTANCE OF 241.09 FEET TO THE POINT OF BEGINNING

EXHIBIT "B"
Permitted Encumbrances

1. Taxes and assessments for 2026 and all subsequent years, which are not yet due and payable.

2. Plat of Neptune Gardens recorded in Plat Book 16, Page 91.

3. Reservations and perpetual easement as reserved by Grantee over Park Drive recorded in Official Records Book 2597, Page 320 and Official Records Book 3932, Page 411.

(All recording references herein are to the current public records of Duval County, Florida)

3C-Res. No. 2026-06
Termination of
Utility Easement

RESOLUTION NO. 2026-06

A RESOLUTION OF THE CITY OF NEPTUNE BEACH, DUVAL COUNTY, FLORIDA, APPROVING THE TERMINATION OF UTILITY EASEMENT LOCATED AT PARK DRIVE, NEPTUNE BEACH, FLORIDA; PROVIDING FOR INCORPORATION OF RECITALS, REQUIRED FINDINGS, AND AN EFFECTIVE DATE.

WHEREAS, on May 22, 1972, the City of Neptune Beach "City" enacted Ordinance No. 72-1-5, entitled "AN ORDINANCE VACATING AND CLOSING A PORTION OF PARK DRIVE, A DEDICATED STREET LYING IN NEPTUNE GARDENS SUBDIVISION, ACCORDING TO PLAT THEREOF RECORDED IN PLAT BOOK 16, PAGE 91, CURRENT PUBLIC RECORDS OF DUVAL COUNTY, FLORIDA; AND PROVIDING AN EFFECIVE DATE" (Ordinance"), pursuant to which the City authorized that a portion of certain real property described therein ("Property") should be vacated, closed, and abandoned, and a utility easement should be imposed upon same ("Utility Easement"); and

WHEREAS, on August 4, 2025, the City and 1112 Third Street, LLC ("Developer; collectively, the "Parties") entered into a Development Agreement and associated Land Swap Agreement ("Development Agreement") which collectively impacted development of areas on and around the Property; and

WHEREAS, these Agreements are made for the benefit of and on behalf of the citizens of the City; and

WHEREAS, the continuation of the Utility Easement is no longer required or beneficial for service of the public, and instead poses an obstacle to the development anticipated under the Agreements;

NOW THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF NEPTUNE BEACH, FLORIDA:

SECTION 1. The foregoing findings are true and correct and are hereby adopted and made a part hereof.

SECTION 2. TERMINATION OF EASEMENT. The City hereby permanently terminates the Utility Easement and directs that the Utility Easement shall no longer be in force and effect nor encumber or run with the Property therein described and further directs that the Utility Easement be cancelled and forever discharged of record.

SECTION 3. DIRECTION TO CITY CLERK. The City Clerk is hereby authorized and directed to record any right-of-way map(s) and/or other recordable instruments required by this Resolution.

SECTION 4. SEVERABILITY. If any provision of this Resolution is held invalid by a court of competent jurisdiction, or if any portion becomes preempted by state law, the affected provision shall be deemed stricken and the remainder shall continue in full force and effect.

SECTION 5. EFFECTIVE DATE. This Resolution shall take effect immediately upon its adoption by the City Council.

This Resolution adopted by the City Council of Neptune Beach, Florida, at the Special City Council Meeting held on this _____ day of _____, 2026.

_____
Corrine A. Bylund, Mayor

ATTEST:

_____
Catherine Ponson, City Clerk

Approved as to Form and Content:

_____
Paul Waters, City Attorney

THIS INSTRUMENT PREPARED BY AND RETURN TO:
Jason R. Gabriel, Esq.
Burr & Forman, LLP
50 N. Laura Street, Suite 3000
Jacksonville, Florida 32202

TERMINATION OF UTILITY EASEMENT

THIS TERMINATION OF UTILITY EASEMENT ("Termination") is made effective this _____ day of _____, 2026, by the City of Neptune Beach ("City").

RECITALS

WHEREAS, on May 22, 1972, City enacted Ordinance No. 72-1-5, entitled "AN ORDINANCE VACATING AND CLOSING A PORTION OF PARK DRIVE, A DEDICATED STREET LYING IN NEPTUNE GARDENS SUBDIVISION, ACCORDING TO PLAT THEREOF RECORDED IN PLAT BOOK 16, PAGE 91, CURRENT PUBLIC RECORDS OF DUVAL COUNTY, FLORIDA; AND, PROVIDING AN EFFECTIVE DATE" ("Ordinance"), pursuant to which the City authorized that a portion of certain real property described therein ("Property") should be vacated, closed, and abandoned, and a utility easement should be imposed upon same, which is more particularly described in Exhibit A attached hereto ("Utility Easement"); and

WHEREAS, the City is contemporaneously entering into a certain Development Agreement and associated Agreement for Exchange of Real Property with 1112 Third Street, LLC ("Agreements") which will collectively impact the development of areas on and around the Property; and

WHEREAS, these Agreements are made for the benefit of and on behalf of the citizens of the City; and

WHEREAS, the continuation of the Utility Easement is no longer required or beneficial for service of the public, and instead poses an obstacle to the development anticipated under the Agreements; and

WHEREAS, the City accordingly desires that the Utility Easement be terminated and of no further force and effect;

NOW THEREFORE, the City hereby determines as follows:

1. Recitations. The foregoing Recitals are true and correct and are incorporated herein by this reference.

2. Termination of Utility Easement. The City hereby permanently terminates the Utility Easement and directs that the Utility Easement shall no longer be in force and effect nor encumber or run with the Property therein described and further direct that the Utility Easement be cancelled and forever discharged of record.

3. Binding Effect. This Termination shall be binding upon the signatory and its respective grantees, heirs, successors and assigns.

IN WITNESS WHEREOF, this Termination of Utility Easement is approved the ____ day of _____, 2026.

Signed and delivered
in the presence of:

CITY OF NEPTUNE BEACH

WITNESSES:

By: _____

_____
Signature

Name: Cori Bylund

_____
Print Name

Title: Mayor

Attested:

_____
Signature

By: _____
Catherine Ponson, City Clerk

_____
Print Name

Attested:

STATE OF FLORIDA)
DUVAL COUNTY)

The foregoing instrument was acknowledged before me this ____ day of _____, 2026, by Cori Bylund as Mayor of City of Neptune Beach, a Florida municipality, on behalf of such entity. She is personally known to me or has produced _____ as identification, and acknowledged that s/he did execute this instrument freely and voluntarily for the purposes stated herein.

Notary Public, State of Florida

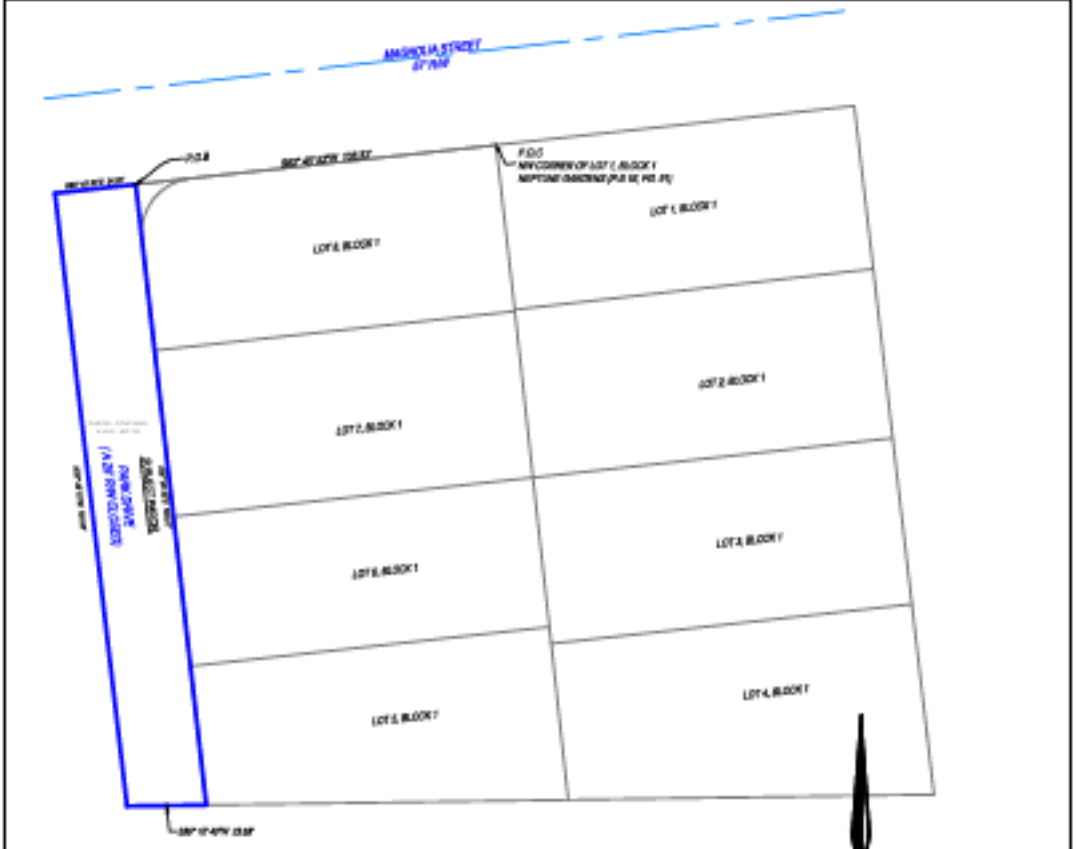
My Commission Expires:

_____
Print Name

EXHIBIT A

Legal Description of the Utility Easement

SKETCH OF DESCRIPTION



DESCRIPTION BY THIS FIRM:

A UTILITY EASEMENT FOR THE CITY OF NEPTUNE BEACH BEING ALSO A PORTION OF LOTS 5, 6, 7 AND 8, BLOCK 1, NEPTUNE GARDENS, ACCORDING TO PLAT THEREOF RECORDED IN PLAT BOOK 16, PAGE(S) 91, OF THE CURRENT PUBLIC RECORDS OF DUVAL COUNTY, FLORIDA. MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCE AT THE MOST NORTHWESTERLY CORNER OF LOT 1, BLOCK 1 OF THE AFORESAID PLAT, THENCE SOUTH 83° 45' 53" WEST, A DISTANCE OF 108.33 FEET TO THE POINT OF BEGINNING; THENCE SOUTH 06° 28' 52" EAST, A DISTANCE OF 186.81 FEET, THENCE SOUTH 89° 10' 40" WEST, A DISTANCE OF 23.68 FEET, THENCE NORTH 06° 42' 15" WEST, A DISTANCE OF 184.58 FEET, THENCE NORTH 83° 45' 53" EAST, A DISTANCE OF 24.28 FEET TO THE POINT OF BEGINNING.

GRAPHIC SCALE (In Feet)
1 inch = 40' ft.

THIS IS NOT A FLORIDA BOUNDARY SURVEY

CAD DRAFTER: H.A
SURVEY NUMBER: 010225.01
DATE SIGNED: 01/28/2025

DARYL S. BANKS
PSM 6063

SURVEYOR'S CERTIFICATION

REPRODUCTIONS OF THIS SKETCH ARE NOT VALID UNLESS SEALED WITH FLORIDA PSM EMBOSSED SEAL. THIS SKETCH OF SURVEY OR PLAN DEPICTED HEREON CONFORMS TO THE STANDARDS OF PRACTICE SET FORTH BY THE FLORIDA BOARD OF SURVEYORS AND MAPPERS IN ACCORDANCE WITH CHAPTER 5J-17.050-17.053, PURSUANT TO CHAPTER 472, FLORIDA STATUTES, AND WAS DONE UNDER MY DIRECT SUPERVISION.

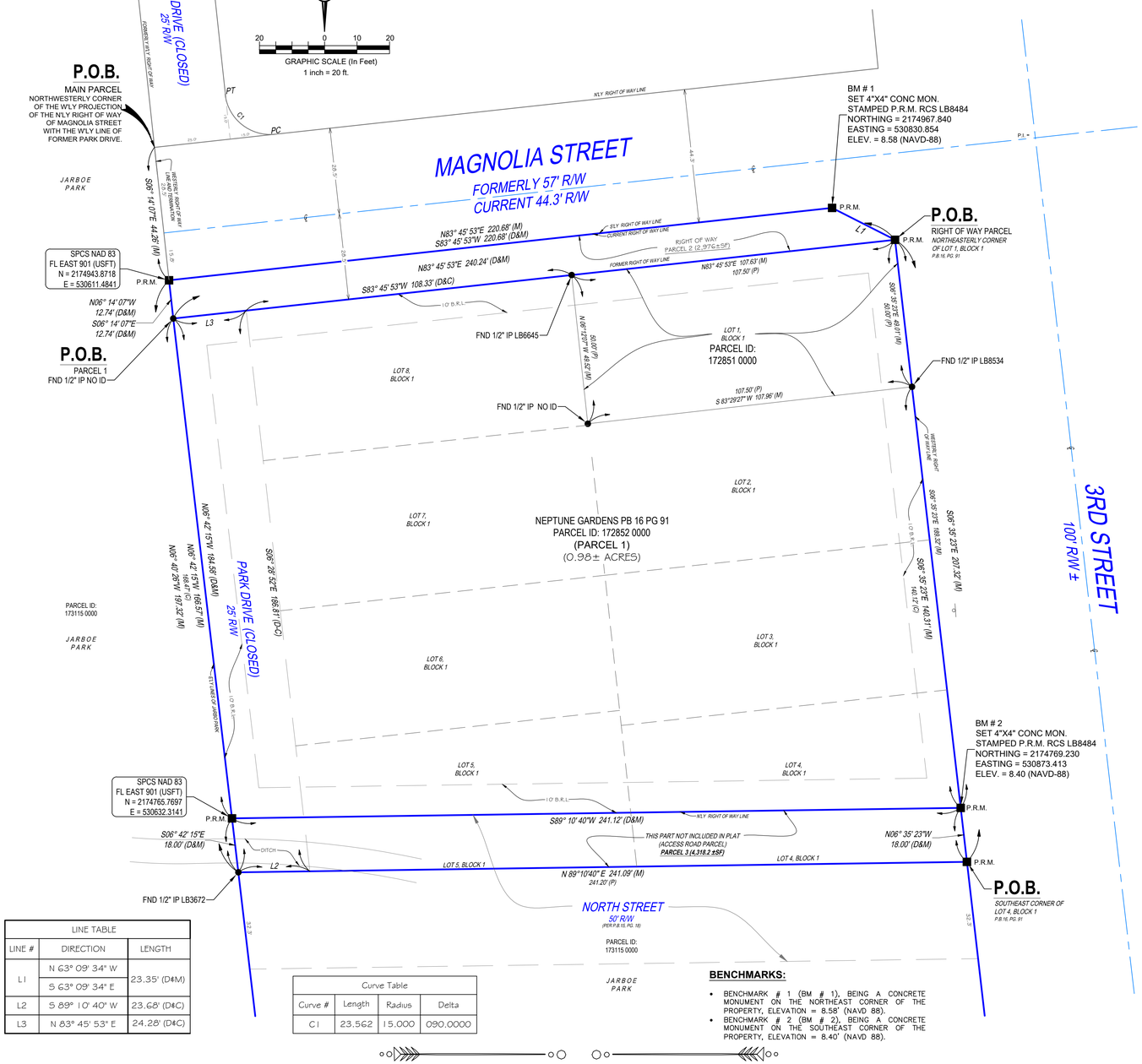
RIVER CITY SURVEYING & MAPPING
LB#8484
904.675.9300
7220 FINANCIAL WAY
JACKSONVILLE, FL
32256

NEPTUNE GARDENS, BLOCK 1, REPLAT

A PORTION OF SECTION 21, TOWNSHIP 02 SOUTH, RANGE 29 EAST, DUVAL COUNTY, FLORIDA.

PLAT BOOK **PAGE**

SHEET 1 OF 1



LINE TABLE		
LINE #	DIRECTION	LENGTH
L1	N 63° 09' 34" W	23.35' (D&M)
	S 63° 09' 34" E	
L2	S 89° 10' 40" W	23.68' (D&C)
L3	N 83° 45' 53" E	24.28' (D&C)

Curve Table			
Curve #	Length	Radius	Delta
C1	23.562	15.000	090.0000

BENCHMARKS:

- BENCHMARK # 1 (BM # 1), BEING A CONCRETE MONUMENT ON THE NORTHEAST CORNER OF THE PROPERTY, ELEVATION = 8.58' (NAVD 88).
- BENCHMARK # 2 (BM # 2), BEING A CONCRETE MONUMENT ON THE SOUTHEAST CORNER OF THE PROPERTY, ELEVATION = 8.40' (NAVD 88).

GENERAL NOTES:

1. BEARINGS SHOWN HEREON ARE BASED ON FLORIDA STATE PLAN COORDINATE SYSTEM, EAST ZONE, U. S. SURVEY FOOT, (NAD '83, 2011 ADJUSTMENT) AND ARE REFERENCE TO THE SOUTHERLY RIGHT OF WAY LINE OF MAGNOLIA STREET HAVEN A BEARING OF SOUTH 83° 45' 53"WEST.
2. THE CURRENT ZONING CLASSIFICATION IS COMMERCIAL -1 (C-1), CITY OF NEPTUNE BEACH, FLORIDA.
3. BY GRAPHICAL PLOTTING ONLY, THIS PROPERTY LIES WITHIN THE FOLLOWING FLOOD ZONES: ZONE X SHADED AND ZONE AE, AS SHOWN ON THE FLOOD INSURANCE RATE MAP OF DUVAL COUNTY, FLORIDA, COMMUNITY MAP NUMBER 12031C0409J, REVISED DATE NOVEMBER 2, 2018.
4. THE AREA AS DEPICTED HEREON HAS NO APPARENT WETLANDS.
5. THERE MAY BE ADDITIONAL RESTRICTIONS THAT ARE NOT SHOWN ON THIS PLAT THAT MAY BE FOUND IN THE PUBLIC RECORDS OF DUVAL COUNTY, FLORIDA.

SURVEYOR'S CERTIFICATE:

THIS IS TO CERTIFY THAT THE ABOVE PLAT IS A TRUE AND CORRECT REPRESENTATION OF THE LANDS SURVEYED, PLATTED AND DESCRIBED ABOVE, THAT THIS SURVEY WAS MADE UNDER THE UNDERSIGNED'S RESPONSIBLE DIRECTION AND SUPERVISION, THAT THE SURVEY DATA COMPLIES WITH ALL REQUIREMENTS OF FLORIDA CHAPTER 177, THAT THE PERMANENT REFERENCE MONUMENTS HAVE BEEN PLACED AND PERMANENT CONTROL POINTS WILL BE PLACED ACCORDING TO THE LAWS OF THE STATE OF FLORIDA.

SIGNED THIS AND SEALED THIS_____DAY OF _____, 2026 A.D.

_____

DARYL S. BANKS
PROFESSIONAL SURVEYOR AND MAPPER LICENSE NUMBER 6063

CLERK'S CERTIFICATE:

THIS IS TO CERTIFY THAT THIS PLAT HAS BEEN EXAMINED AND APPROVED AND THAT IT COMPLIES IN FORM WITH THE REQUIREMENTS OF CHARTER 177, FLORIDA STATUTES. AND SUBMITTED TO ME FOR RECORDING AND IS RECORDED IN PLAT BOOK_____, PAGE_____ OF THE CURRENT PUBLIC RECORDS OF DUVAL COUNTY, FLORIDA.

SIGNED ON THIS_____DAY OF _____, 2026 A.D.

_____ _____

JODY PHILLIPS
CLERK OF THE CIRCUIT COURT

DEPUTY CLERK

CLERK / ATTEST_____CLERK / ATTEST_____

NOTARY ACKNOWLEDGMENT

STATE OF FLORIDA COUNTY OF DUVAL

ON THIS ____ DAY OF _____, 2026, BEFORE ME, THE UNDERSIGNED AUTHORITY, PERSONALLY APPEARED _____, WHO IS/ARE PERSONALLY KNOWN TO ME OR HAS/HAVE PRODUCED _____ AS IDENTIFICATION, AND ACKNOWLEDGED THAT HE/SHE/THEY EXECUTED THE FOREGOING INSTRUMENT AS HIS/HER/THEIR FREE ACT AND DEED.

WITNESS MY HAND AND OFFICIAL SEAL,

NOTARY PUBLIC
MY COMMISSION EXPIRES: _____

CAPTION:

NEPTUNE GARDENS, BLOCK 1, REPLAT, A PORTION OF SECTION 21, TOWNSHIP 02 SOUTH, RANGE 29 EAST, DUVAL COUNTY, FLORIDA, TOGETHER WITH A PORTION OF PARK DRIVE, MAGNOLIA STREET AND NORTH STREET, DESCRIBED AS FOLLOWS:

PARCEL 1- MAIN PARCEL

LOTS 1, 2, 3, 4, 5, 6, 7 AND IN PLAT BOOK 16, PAGE(S) 91, OF THE CURRENT PUBLIC RECORDS OF DUVAL COUNTY, FLORIDA.8, BLOCK 1, NEPTUNE GARDENS, ACCORDING TO PLAT THEREOF RECORDED TOGETHER WITH THE APPURTENANT PORTION OF THE EAST 1/2 OF THE CLOSED PART OF "PARK DRIVE" LYING WESTERLY OF BLOCK 1 AND ADJACENT THERETO. ALSO, TOGETHER WITH THE WEST 1/2 OF THE CLOSED PORTION OF "PARK DRIVE", RUNNING NORTH AND SOUTH BETWEEN THE SOUTHERLY RIGHT OF WAY LINE OF MAGNOLIA STREET AND THE NORTHERLY RIGHT OF WAY LINE OF NORTH STREET, MORE PARTICULARLY DESCRIBED AS FOLLOWS:

FOR A **POINT OF REFERENCE**, COMMENCE AT THE NORTHWESTERLY CORNER, BEING A PRODUCT OF THE WESTERLY PROJECTION OF THE NORTHERLY RIGHT OF WAY LINE OF MAGNOLIA STREET (WIDTH VARIES) AND THE WESTERLY LINE OF PARK DRIVE (CLOSED) AS SHOWN ON SAID PLAT; SAID PRODUCTION BEING A POINT ON THE EASTERLY LINE OF JARBO PARK AND SAID NORTHWESTERLY CORNER; THENCE SOUTH 06° 14' 07" EAST, ALONG THE WESTERLY RIGHT OF WAY LINE ALONG THE TERMINATION OF MAGNOLIA STREET, A DISTANCE OF 44.26 FEET; THENCE CONTINUE SOUTH 06° 14' 07" EAST, A DISTANCE OF 12.74 FEET TO **THE POINT OF BEGINNING**;

THENCE NORTH 83° 45' 53" EAST, ALONG THE SOUTHERLY RIGHT OF WAY LINE OF MAGNOLIA STREET, A DISTANCE OF 240.24 FEET TO AN INTERSECTION WITH THE WESTERLY RIGHT OF WAY LINE OF 3RD STREET (100 FOOT RIGHT OF WAY); THENCE SOUTH 06° 35' 23" EAST, ALONG SAID WESTERLY RIGHT OF WAY LINE, A DISTANCE OF 189.32 FEET; THENCE SOUTH 89° 10' 40" WEST, A DISTANCE OF 241.12 FEET; THENCE NORTH 06° 42' 15" WEST, ALONG SAID EASTERLY LINES OF JARBO PARK, A DISTANCE OF 166.57 FEET TO **THE POINT OF BEGINNING**. PARCEL CONTAINS 0.98 ACRES, MORE OR LESS.

PARCEL 2 – MAGNOLIA ROAD RIGHT-OF-WAY ADDITION

TOGETHER WITH THAT SOUTHERLY PORTION OF MAGNOLIA STREET (A 57 FOOT RIGHT OF WAY) LYING NORTH OF BLOCK 1, NEPTUNE GARDENS, ACCORDING TO PLAT THEREOF RECORDED IN PLAT BOOK 16, PAGE(S) 91, OF THE CURRENT PUBLIC RECORDS OF DUVAL COUNTY, FLORIDA, AND BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

FOR A **POINT OF BEGINNING**, COMMENCE AT THE NORTHEASTERLY CORNER OF LOT 1 BLOCK 1, NEPTUNE GARDENS, ACCORDING TO PLAT THEREOF RECORDED IN PLAT BOOK 16, PAGE(S) 91, OF THE CURRENT PUBLIC RECORDS OF DUVAL COUNTY, FLORIDA, THENCE NORTH 63° 09' 34" WEST, A DISTANCE OF 23.35 FEET, THENCE SOUTH 83° 45' 53" WEST, A DISTANCE OF 220.68 FEET, THENCE SOUTH 06° 14' 07" EAST, A DISTANCE OF 12.74 FEET, THENCE NORTH 83° 45' 53" EAST A DISTANCE OF 240.24 FEET TO **THE POINT OF BEGINNING**. SAID PARCEL CONTAINS 2,976 SQUARE FEET MORE OR LESS.

PARCEL 3- ACCESS ROAD PARCEL EXCEPTION ((NOT A PART OF THIS PLAT):

LESS AND EXCEPT THAT PORTION OF LOTS 4 AND 5, BLOCK 1, NEPTUNE GARDENS, ACCORDING TO PLAT THEREOF RECORDED IN PLAT BOOK 16, PAGE(S) 91, OF THE CURRENT PUBLIC RECORDS OF DUVAL COUNTY, FLORIDA AND BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

FOR A POINT OF BEGINNING, COMMENCE AT THE SOUTHEAST CORNER OF AFORESAID LOT 4,THENCE NORTH 06° 35' 23" WEST, A DISTANCE OF 18.00 FEET, THENCE SOUTH 89° 10' 40" WEST, A DISTANCE OF 241.12 FEET, THENCE SOUTH 06° 42' 15" EAST, A DISTANCE OF 18.00 FEET, THENCE NORTH 89° 10' 40" EAST, A DISTANCE OF 241.09 FEET TO **THE POINT OF BEGINNING.** SAID PARCEL CONTAINS 4,318.2 SQUARE FEET MORE OR LESS.

CERTIFICATE OF VACATION

PARCEL 2 - MAGNOLIA STREET

PURSUANT TO LAWFUL AUTHORITY GRANTED BY STATUTE AND ORDINANCE, THE PUBLIC RIGHT-OF-WAY DESCRIBED AND DEPICTED HEREON IS HEREBY VACATED AND ABANDONED, AND ALL PUBLIC RIGHTS THEREIN ARE RELEASED AND EXTINGUISHED, SUBJECT TO ANY UTILITY RESERVATIONS NOTED HEREON OR PROVIDED BY LAW.

APPROVED AND ADOPTED BY THE _____ CITY OF NEPUNE BEACH IN DUVAL COUNTY, FL THIS ____ DAY OF _____, 2026.

MAYOR / CHAIRPERSON_____

CLERK / ATTEST_____

OWNER'S CERTIFICATE OF ADOPTION AND DEDICATION

PARCEL 3 - ACCESS ROAD

WE, THIRD STREET, LLC, A FLORIDA LIMITED LIABILITY COMPANY, THE UNDERSIGNED OWNER(S) OF THE LANDS DESCRIBED AND PLATTED HEREON, HEREBY CERTIFY THAT WE HAVE CAUSED THE LANDS SHOWN HEREON TO BE SURVEYED, SUBDIVIDED, PLATTED, AND DEDICATED AS DEPICTED. WE ADOPT THIS PLAT AS OUR ACT AND DEED AND DO HEREBY DEDICATE TO THE PUBLIC THE STREETS, ROADS, RIGHTS-OF-WAY, EASEMENTS, AND OTHER AREAS SO DESIGNATED ON THIS PLAT FOR PERPETUAL PUBLIC USE FOR THE PURPOSES STATED. WE FURTHER CERTIFY THAT ALL EXISTING LIENS OR ENCUMBRANCES AGAINST THE LANDS SHOWN HEREON ARE CONSENTED TO AND SUBORDINATED TO THIS PLAT.

APPROVED AND ADOPTED BY THIRD STREET, LLC, A FLORIDA LIMITED LIABILITY COMPANY, THIS _____ DAY OF _____, 2026 A.D.

BY THIRD STREET, LLC _____

CLERK / ATTEST_____

JOINDER IN DEDICATION

KNOW ALL MEN BY THESE PRESENTS:

THAT VALLEY NATIONAL BANK, A NATIONAL BANKING ASSOCIATION, A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF FLORIDA, AND BEING THE HOLDER OF THAT CERTAIN MORTGAGE DATED 4TH DAY OF MARCH, 2012, RECORDED IN OFFICIAL RECORDS BOOK 20189, PAGE 201 OF THE PUBLIC RECORDS OF DUVAL COUNTY, FLORIDA, HEREBY JOINS IN THE EXECUTION OF THIS PLAT OF NEPTUNE GARDENS, BLOCK 1, REPLAT, FOR THE PURPOSE OF RATIFYING AND APPROVING THE DEDICATION OF LANDS TO THE PUBLIC AS SHOWN HEREON, AND DOES HEREBY CONSENT TO THE RECORDING OF SAID PLAT AMONG THE PUBLIC RECORDS OF DUVAL COUNTY, FLORIDA.

IN WITNESS WHEREOF, THE UNDERSIGNED HAS CAUSED THESE PRESENTS TO BE EXECUTED IN ITS NAME BY ITS PROPER OFFICER THEREUNTO DULY AUTHORIZED, THIS _____ DAY OF _____, 2026.

MORTGAGEE:

VALLEY NATIONAL BANK

BY: _____

NAME: _____

TITLE: _____

(CORPORATE SEAL)

STATE OF FLORIDA

COUNTY OF DUVAL

THE FOREGOING INSTRUMENT WAS ACKNOWLEDGED BEFORE ME THIS ___ DAY OF _____, 2026, BY _____, AS _____ OF VALLEY NATIONAL BANK, A CORPORATION, ON BEHALF OF THE CORPORATION. HE/SHE IS PERSONALLY KNOWN TO ME OR HAS PRODUCED _____ AS IDENTIFICATION.

NOTARY PUBLIC, STATE OF FLORIDA

SIGNATURE: _____

NAME: _____

COMMISSION NO.: _____

MY COMMISSION EXPIRES: _____

VICINITY MAP
N.T.S.

ABBREVIATIONS AND SYMBOLS LEGEND:

N.T.S.	= NOT TO SCALE
B.R.L.	= BUILDING RESTRICTION LINE
RCS	= RIVER CITY SURVEYING AND MAPPING
LB	= LICENSED SURVEY BUSINESS
CPP	= CONCRETE POWER POLE
UR	= UTILITY RISER
P.O.C.	= POINT OF COMMENCEMENT
P.O.B.	= POINT OF BEGINNING
(P)	= PLAT
(D)	= DEED
(M)	= MEASURED
(D)	= CALCULATED
FND	= FOUND
R/W	= RIGHT OF WAY
CONC.	= CONCRETE
ATT	= AMERICAN TELEPHONE AND TELEGRAPH COMPANY
C.L.F.	= CHAIN LINK FENCE
P.B.	= PLAT BOOK
PG.	= PAGE
IP	= IRON PIPE
ID	= IDENTIFICATION
OHL	= OVERHEAD LINE
SPCS	= STATE PLANE COORDINATE SYSTEM
NAD	= NORTH AMERICAN DATUM
FL	= FLORIDA
N	= NORTHING
E	= EASTING
PC	= POINT OF CURVATURE
PT	= POINT OF TANGENCY
P.R.M.	= PERMANENT REFERENCE MONUMENT
ELEV.	= ELEVATION
BM	= BENCHMARK
MON.	= MONUMENT
℄	= CENTERLINE
	= STORMWATER MANHOLE
	= SANITARY SEWER MANHOLE
	= SIGN (SINGLE POST)
	= WATER METER
UR	= UTILITY RISER
	= SET 4"X4" CONCRETE MONUMENT STAMPED P.R.M. RCS LB8484
	= FOUND 1/2" IRON PIPE AS NOTED
	= LIGHT POLE (LP)
OHL	= DENOTES OVERHEAD POWER LINES
x x x x	= DENOTES FENCE LINE

MUNICIPAL / CITY COUNCIL APPROVAL

APPROVAL BY THE GOVERNING BODY

THIS PLAT AND THE DEDICATIONS SHOWN HEREON ARE HEREBY APPROVED AND ACCEPTED BY THE _____ CITY OF NEPUNE BEACH IN DUVAL COUNTY, FLORIDA, THIS ____ DAY OF _____, 2026, SUBJECT TO ANY CONDITIONS AND

RESERVATIONS NOTED HEREON OR REQUIRED BY LAW.

MAYOR / CHAIRPERSON_____

CLERK / ATTEST_____

ADMINISTRATIVE AUTHORITY:

THIS IS TO CERTIFY THAT THIS PLAT HAS BEEN EXAMINED AND APPROVED AND THAT IT COMPLIES IN FORM WITH THE REQUIREMENTS OF CHARTER 177, FLORIDA STATUTES, AND SUBMITTED TO ME FOR RECORDING IN THE CURRENT PUBLIC RECORDS OF DUVAL COUNTY, FLORIDA ON THIS_____DAY OF_____, 2026.

_____

CITY OF NEPTUNE BEACH FS 177.071 PLATTING ADMINISTRATIVE AUTHORITY SIGNATURE

NOTICE OF LIABILITY:

THIS SURVEY IS CERTIFIED TO THOSE INDIVIDUALS SHOWN ON THE FACE THEREOF. ANY OTHER USE, BENEFIT OR RELIANCE BY ANY OTHER PARTY IS STRICTLY PROHIBITED AND RESTRICTED. SURVEYOR IS RESPONSIBLE ONLY TO THOSE CERTIFIED AND HEREBY DISCLAIMS ANY OTHER LIABILITY AND HEREBY RESTRICTS THE RIGHTS OF ANY OTHER INDIVIDUAL OR FIRM TO USE THIS SURVEY, WITHOUT EXPRESS WRITTEN CONSENT OF THE SURVEYOR.

RIVER CITY
SURVEYING & MAPPING, LLC
rivercitysurveyors.com
Florida Business License (LB) No. 8484
7220 Financial Way Jacksonville, Florida 32256 | 904.675.9300

212

Workshop Item #6A

Development Impact Fees

Capital Improvement Funding

Heather Whitmore, AICP,PTP
Community Development Director

City Council
February 17, 2026

Impact Fees: A Tool for Growth-Driven Infrastructure

- Overview
- Legal Basis
- Calculation
- Neptune Beach Current Development Fees
- Examples of Current Florida Cities' Impact Fees
- Next Steps

What Are Impact Fees?

- One-time charges on new development
- Paid by builders/developers
- Fund capital improvements needed to serve <u>NEW</u> growth

  Roads, parks, water/wastewater, police

Legal Basis in Florida

- **Strictly Governed by Florida Statutes 163.31801**
- ***(Rational Nexus) Rationally connected to growth needs***
- ***Proportionate to development impact***
- ***Used only for capital facilities, not maintenance***
- ***Appropriately accounted for and updated***

***No impact fee without a study**

2026 Impact Fee Legislation Requirements

- Demonstrated-need study justifying fee
- Study with validated data 12 months old
- Extraordinary circumstances of need
- Phase in fees 25%-50% increments

What Impact Fees Are Not

❌ Not a tax

❌ Not for operations & maintenance

❌ Not for existing deficiencies

❌ Not for repairing old infrastructure

*Only new, growth-related capital costs

Typical Services Funded

Service Category	Examples
Police	Stations, vehicles, communications
Fire/EMS	Fire stations, trucks, equipment
Parks & Rec	Land, facilities, trails
Libraries	Buildings, technology
Transportation	Roads, signals, sidewalks
Government Administration	Buildings, staff, equipment
Water	Lines, pumps, facilities
Wastewater	Lines, pumps, facilities
Stormwater	Culverts, lines, pumps, storage

Neptune Beach Capital Funding Sources

- Sewer user capacity demand fee/downstream
- Water/Sewer tap and meter installation charges
- Stormwater management utility/user fees

Common Municipal Capital Funding Sources

- Development Impact Fees
- User Fees
- Tap Fees
- Concurrency
- Mobility Fees
- Special Assessments
- Community Redevelopment Plan (CRA)

Impact Fees vs. User Fees

- User fees fund operations, maintenance, or capital improvements
  - Impact Fee is just for new development
- User fees paid by anyone using the service
  - Impact Fee is just new developers
- User fee paid one time or continuously
  - Impact Fee is paid once at building permit or CO

Impact Fees vs. Tap Fees

- Tap fees are direct cost of connection to facility
  - Impact Fee is for capacity of facility
- Tap fees paid by anyone using the service
  - Impact Fee is just new developers
- Tap fee due at time of access to facility
  - Impact Fee is paid once at building permit or CO

Impact Fees vs. Concurrency Fee

- Concurrency ensures infrastructure meets LOS and capacity
  - Impact Fee is for capital expenditures for new growth
- Concurrency is a project specific calculation to mitigate deficiency directly caused by a development
  - Impact Fee is flat rate paid regardless of capacity deficiency
- Concurrency paid by anyone adding demand to system
  - Impact Fee is just new developers
- Concurrency is paid once at building permit or CO
  - Impact Fee is paid once at building permit or CO

Impact Fees vs. Mobility Fee

- Mobility fees are more flexible than impact fees
  - – Impact Fee is for capital expenditures for new growth
- Mobility fees fund multimodal transportation improvements under a mobility plan
  - – Impact Fee is for LOS/capital infrastructure on rational nexus
- Mobility fees fund roads, transit, bike/ped, complete streets
  - – Impact Fee is for required infrastructure for new growth
- Mobility fees paid once at building permit or CO
  - – Impact Fee is paid once at building permit or CO

Impact Fees vs. Special Assessments

- Special Assessment is a charge on existing property owners to fund a specific improvement benefiting those properties
  - Impact Fee is one-time charge on new development growth
- Special Assessment for special benefit + fair apportionment
  - Impact Fee is for LOS/capital infrastructure on rational nexus
- Special Assessment are portion of project specific cost
  - Impact Fee is flat rate for all new infrastructure cost
- Special Assessment one time or on going
  - Impact Fee is paid once at building permit or CO

Impact Fees vs. Community Redevelopment Plan

*2019 Florida Termination of CRAs and stricter Ad Valorem TIF funding

- Requires Conditions of Slum or Blight
- Conduct a Finding of Necessity Study of Slum or Blight
- Adopt a Resolution Declaring Need
- Create the CRA by Ordinance
    - CRA boundaries
    - Powers and duties
    - Governance structure/CRA Board
- Establish the CRA Board

Impact Fees vs. Community Redevelopment Plan - cont.

- Develop and Adopt a Community Redevelopment Plan
  - Goals and objectives
  - Proposed projects & programs – with budget/revenue
  - Financing strategy
- Create a Tax Increment Financing (TIF) CRA Trust Fund
- Comply with Reporting and Oversight Requirements

Who Pays the Fees – New Development

Fees based on land use type:

- ✓ Single-family home
- ✓ Multi-family unit
- ✓ Retail / commercial (per square foot)
- ✓ Office (per square foot)
- ✓ Hotel (per room)
- ✓ Industrial

Calculation Required Establish Impact Fees

1. Inventory existing facilities – available capacity
2. Determine facilities level of service (LOS)
3. Determine current and vested user demand
4. Forecast future growth – future capacity demand
5. Study demonstrating need for capital improvement based on LOS
6. CIP: capital plans estimates actual costs over time
7. Compute fee per unit
8. Financial records for revenue sources
9. Maintain accurate log of supply vs demand
10. Updated capacity/revenue real time, annual, five years

Proportionate Share & Rational Nexus

Cities must show:

✓ **Nexus — connection between fee and need**

✓ **Proportionate share — fee amount matches impact**

***Without nexus, fees can be legally challenged**

Fee Collection Timing

- Development Order/Site Plan
- Building permit
- Certificate of occupancy
- Final plat

*Some cities allow pre-payment discounts or credits for donated land or existing constructed facilities.

Use & Reporting Requirements

- Must submit annual financial report
  - Spend only on CIP projects
  - Spend as collected and within timelines
  - Refund unused fees
  - Update studies regularly (3–5 years)

Municipal Impact Fees: Comparison of 2025/26 (res)

Service Category	Fernandina Beach	Daytona Beach	Apopka	Deltona	Ormond Beach	Palm Coast	Lakeland	Groveland	Port Orange	Greencove Springs	St. Cloud	Davenport	Bartow
Water			$3,305		$2,333			$3,933	$1,545	$2,372		$6,300	$2,398
Wastewater			$4,924		$3,577			$10,362	$1,808	$2,531		$5,360	$1,669
Stormwater													
Police	$650	$480	$747	$126	$240		$595	$616	$526		$1,029	$230	$949
Government Administration	$1,100	$878						$127				$303	414
Fire/EMS	$900	$283	$708	$246	$292	$428	$430	$541	$337		$902		$859
Parks & Rec	$7,225	$2,051	$1,060	$1,539	$2,500	$1,800	$3,750	$1,650	$1,740		$2,865	$358	$716
Solid Waste								$263			$640	$817	
Transportation	$3,989	$408	$10,255	$1,044	$864	$3,502	$4,856	$4,960	$1,082	$5,081	$14,501	$462	$1,056
Total	**$13,864**	**$4,100**	**$20,999**	**$2,955**	**$9,806**	**$5,730**	**$9,631**	**$22,452**	**$7,038**	**$9,984**	**$19,937**	**$13,830**	**$8,061**

*Residential (SFD 2.5K SF Average)

Municipal Impact Fees: Comparison of 2025/26 (comm)

Service Category	Fernandina Beach	Daytona Beach	Apopka	Deltona	Ormond Beach	Palm Coast	Lakeland	Groveland	Port Orange	Greencove Springs	St. Cloud	Davenport *Only Res	Bartow *Only Res
Water								$3,933	$154	$2,372			
Wastewater								$10,362	$1,808	$2,531			
Stormwater													
Police	$260	$721	$1	$63	$336		$660	$616	$727		$1,332		
Government Administration	$440	$1,319						$110					
Fire/EMS	$360	$424	$0.64	$123	$432	$690	$430	$700	$250		$1,167		
Parks & Rec				$0									
Solid Waste								$263			$6,129		
Transportation		$977	$10,744	$2,075	$5,559	$5,337	$6,858	$4,960	$4,225	$21,479	$16,443		
Total	**$1,060**	**$3,441**	**$10,746**	**$2,261**	**$6,327**	**$6,027**	**$7,948**	**$20,944**	**$7,164**	**$26,382**	**$25,071**		

*Commerical 1KSF/300 GPD Analysis W/WW - Generally ranges by Use retail example

Neptune Beach CIP

CATEGORY	PRIORITY	PROJECT NAME	RESPONSIBLE PARTY	POTENTIAL PARTNERS	PROJECT PHASE	TIME FRAME	POTENTIAL FUNDING SOURCES	COST ESTIMATE
Parks, Recreational Amenities & Open Spaces	Low	Seagate Avenue Marsh View Pocket Park Improvements	CONB		Conceptual	Mid- to Long-Term	Grants, General Fund	$
Parks, Recreational Amenities & Open Spaces	Low	Seagate Avenue & Nightfall Pocket Park & Kayak Launch	CONB		Conceptual	Mid- to Long-Term	Grants, General Fund	$
Parks, Recreational Amenities & Open Spaces	Low	Shadow Lane Kayak Launch	CONB		Conceptual	Mid- to Long-Term	Grants, General Fund	$
Parks, Recreational Amenities & Open Spaces	Medium	Marshwalk Trail (Seagate Ave. Connection)	CONB, COJB		Conceptual	Mid-Term	Grants, General Fund	$$$
Parks, Recreational Amenities & Open Spaces	Medium	1st Street Woonerf (Atlantic Blvd. to Orange St.)	CONB	Beaches Town Center	Conceptual	Mid- to Long-Term	General Fund, TIF (Potentially), BID	$$$$
Parks, Recreational Amenities & Open Spaces	Low	Atlantic Plaza (1st St. to the beach)	CONB, COJ, COAB	Beaches Town Center	Conceptual	Long-Term	General Fund, TIF (Potentially), BID	$$$$
Parks, Recreational Amenities & Open Spaces	Medium	Florida Boulevard Beach Access Improvements	CONB		Conceptual	Mid-Term	Grants, General Fund	$-$$
Parks, Recreational Amenities & Open Spaces	Low	Lifeguard House Beach Access & Bathroom Facilities	CONB	COJ, COAB	Conceptual	Long-Term	Grants, General Fund	$$
Parks, Recreational Amenities & Open Spaces	Medium	Additional Beach Access Improvements (Bicycle Parking)	CONB		Conceptual	Mid-Term	Grants, General Fund	$-$$ Per AccessPoint
Street Improvements, Biking & Walking Trails	Low	Canal Nature Trail III (Florida BLVD to Fletcher High)	CONB	Duncan Fletcher High School	Conceptual	Long-Term	General Fund, RTP Grant	$$$
Street Improvements, Biking & Walking Trails	Medium	Kings RD Shared ST (Seagate AVE to Forest AVE	CONB	JTA	Conceptual	Mid-Term	JTA Safe Routes to School, COJB, Grants General Fund	$$$
Street Improvements, Biking & Walking Trails	Medium	Indian Woods DR Shared ST (Kings RD to Forest AVE)	CONB	JTA	Conceptual	Mid- to Long-Term	JTA Safe Routes to School, COJB, Grants General Fund	$$$
Street Improvements, Biking & Walking Trails	Medium	Seagate AVE Shared ST (Kings RD to Penman RD)	CONB, COLB	JTA	Conceptual	Mid-Term	JTA Safe Routes to School, COJB, Grants General Fund	$$$
Street Improvements, Biking & Walking Trails	High	Seagate AVE Multi-Use Path (Penman RD to 3rd ST)	CONB, COJB	JTA	Conceptual	Mid-Term	JTA Safe Routes to School, COJB, Grants General Fund	$$$
Street Improvements, Biking & Walking Trails	High	1st ST Shared Street Redesign (Orange ST to Seagate AVE)	CONB		Conceptual	2022-2023	Grants General Fund	$$$$
Intersection, Crossing & Safety Improvements	Medium	3rd Street & Davis Street Crossing	FDOT	CONB	Conceptual	Mid Term	FDOT, Grants, General Fund	$$
Intersection, Crossing & Safety Improvements	Medium	3rd Street & Myra Street Crossing	FDOT	CONB	Conceptual	Mid- to Long-Term	FDOT, Grants, General Fund	$$
Intersection, Crossing & Safety Improvements	High	3rd Street & Seagate Avenue Crossing Improvements	FDOT	CONB, COJB, JTA	Conceptual	Short-Term	FDOT, JTA Safe Routes to School, Grants, General Fund	$
Intersection, Crossing & Safety Improvements	High	Penman Road & Seagate Avenue Crossing	COJ	CONB, COJB, JTA	Conceptual	Short-Term	COJ	Built into Penman Road CompleteStreets Budget
Intersection, Crossing & Safety Improvements	High	Seagate Avenue & 5th Street Crossing	CONB, COJB	JTA, Duncan Fletcher High School	Conceptual	Short-Term	JTA SRTS, COJB, Grants, General Fund	$

CATEGORY	PRIORITY	PROJECT NAME	RESPONSIBLE PARTY	POTENTIAL PARTNERS	PROJECT PHASE	TIME FRAME	POTENTIAL FUNDING SOURCES	COST ESTIMATE
Intersection, Crossing & Safety Improvements	High	Seagate Avenue & 4th Street Crossing	CONB, COJB	JTA, Duncan Fletcher High School	Conceptual	Short-Term	JTA Safe Routes to School, COJB, Grants, General Fund	$
Stormwater Infrastructure & Utilities	High	Davis Culvert	CONB	JTA, Duncan Fletcher High School	Conceptual	Short-Term	JTA Safe Routes to School, COJB, Grants, General Fund	$
Stormwater Infrastructure & Utilities	High	Forest Street Culvert	CONB, COJ		Planned	2023	Stormwater Fee, Grants	$750,000
Stormwater Infrastructure & Utilities	High	Septic Tank Conversions	CONB		Planned	2025	Stormwater Fee, Grants	$750,000
Stormwater Infrastructure & Utilities	High	Waterline Rehab: 600 blk Davis Street	CONB		Planned	2024	General Fund, Clean Water State Revolving Fund	$1,500,000
Stormwater Infrastructure & Utilities	High	Waterline Rehab: 600 blk Oleander Street	CONB		Planned	2022	General Fund	$250,000
Stormwater Infrastructure & Utilities	High	Waterline Rehab: Neptune Grove East & West	CONB		Planned	2023	General Fund	$250,000
Stormwater Infrastructure & Utilities	Medium	Force main Upgrade	CONB		Planned	2024	General Fund	$250,000
Stormwater Infrastructure & Utilities	High	Sewer Line Improvements: 600 blk Oleander Street	CONB		Planned	2025	General Fund, Clean Water State Revolving Fund	$877,500
Stormwater Infrastructure & Utilities	High	Sewer Line Improvements: Neptune Grove East & West	CONB		Planned	2024	General Fund	$350,000
Stormwater Infrastructure & Utilities	Medium	Remediate Gravity Sewer Conflict with Storm Sewer on Forest Avenue	CONB		Planned	2025	General Fund	$350,000
Stormwater Infrastructure & Utilities	Medium	Under Grounding Power Lines on Seagate Avenue	CONB, COJB		Proposed	Mid-to Long-Term	General Fund, Clean Water State Revolving Fund	$1,382,100
Stormwater Infrastructure & Utilities	Medium	Hopkins Creek Restoration	CONB		Conceptual	Mid-term	Grants, General Fund, COJB	$$$$

Atlantic Beach CIP

DRAFT - 09-16-25

Neighborhoods Department - 10 Year Schedule of Capital Improvements - 2026 through 2035

PROJECT DESCRIPTION	Project #	2026		2027		2028		2029		2030		2031		2032		2033		2034		2035		TOTAL	
Park Maintenance & Miscellaneous																							
Tennis & Bsketball Court Resurfacing		$ 100,000	BJP																			$ 100,000	PW Staff
Ride-On Spreader for Ballfields		$ 5,000	GF																			$ 5,000	PW Staff
Garage Shed w/ Concrete Floor at PW Yard				$ 20,000	GF																	$ 20,000	PW Staff
1/2 Ton Pickup Trucks - 2		$ 90,000	GF																			$ 90,000	PW Staff
Aquatic Dog Park																							
Bulkhead in Pond				$ 90,000	BJP																	$ 90,000	2030 Parks MP
Littoral Planting		$ 5,000	BJP																			$ 5,000	PW Staff
Repairs & Improvements		$ 15,000	BJP																			$ 15,000	2030 Parks MP
Mural on Western Edge of Park				$ 10,000	BJP																	$ 10,000	2030 Parks MP
Walking Trail & Obstacle Course																						$ -	2030 Parks MP
Bull Park																							
East Coast, Ocean & 7th Safety Improvements				$ 25,000	BJP																	$ 25,000	2030 Parks MP
7th - Relocate Curb for On-Street Parking Improvements						$ 100,000	BJP															$ 100,000	2030 Parks MP
Replace Bull Park Cabana with Parking	PW2502	$ 60,000	BJP																			$ 60,000	PW Staff
Remove Berms, bike racks, etc.		$ 5,000	BJP																			$ 5,000	2030 Parks MP
Donner Park																							
LED Lighting @ Baseball Field		$ 35,000	BJP																			$ 35,000	PW Staff
Bike Safety Course								$ 85,000	BJP													$ 85,000	2030 Parks MP
Path Along Perimeter				$ 100,000	BJP																	$ 100,000	2030 Parks MP
Gail Baker Center Deck Repairs		$ 60,000	BJP																			$ 60,000	PW Staff
Tile Restrooms		$ 5,000	BJP																			$ 5,000	PW Staff
Improve Dudley St Entrance				$ 15,000	BJP																	$ 15,000	2030 Parks MP
Two New Picnic Shelters at Splash Pad		$ 20,000	BJP																			$ 20,000	PW Staff
Dutton Island																							
Replace/Rehab Causeway Bridge Sheetpiling (SWAG pricing)				$ 900,000	BJP																	$ 900,000	PW Staff
Dead Tree Removal		$ 20,000	GF			$ 20,000	GF			$ 20,000	GF			$ 20,000	GF			$ 20,000	GF			$ 100,000	PW Staff
Trailhead Wayfinding						$ 15,000	BJP															$ 15,000	2030 Parks MP
Improve/Add Interpretive Signage along Trails				$ 20,000	BJP																	$ 20,000	2030 Parks MP
Dog Friendly Amenities - waste bags, fountain, etc.		$ 3,500	BJP																			$ 3,500	2030 Parks MP
Trash Bins @ Trail Entrances		$ 2,500	BJP																			$ 2,500	2030 Parks MP
Install Trail/Surface Edging						$ 20,000	BJP															$ 20,000	2030 Parks MP
Stabilize Trail Surface in Wet Areas				$ 15,000	BJP																	$ 15,000	2030 Parks MP
Sky Lights Restrooms		$ 4,000	BJP																			$ 4,000	PW Staff
Tile Restrooms		$ 5,000	BJP																			$ 5,000	PW Staff
Fairways Villa Park																							
Sign & Entrance Feature								$ 3,000	BJP													$ 3,000	2030 Parks MP
Xeriscaping								$ 10,000	BJP													$ 10,000	2030 Parks MP
Howell Park																							
Lift Station Landscaping		$ 2,000	GF																			$ 2,000	2030 Parks MP
Update Educational Signage						$ 2,500	BJP															$ 2,500	2030 Parks MP
Install Gazebo for Special Events								$ 15,000	BJP													$ 15,000	2030 Parks MP
Wayfinding Signage				$ 3,000	BJP																	$ 3,000	2030 Parks MP
Pervious Pavement - Russell Park to Bull Park				$ 10,000	BJP																	$ 10,000	2030 Parks MP
Johansen Park																							
Refurbish Memorial Planter				$ 4,000	BJP																	$ 4,000	2030 Parks MP
Public Art @ South End				$ 20,000	BJP																	$ 20,000	2030 Parks MP
Entrance Sign - Saturiba Dr		$ 2,000	BJP																			$ 2,000	2030 Parks MP
Signage & Path Park Terrace East Entrance		$ 5,000	BJP																			$ 5,000	2030 Parks MP
3,000' Pervious Trail along Drainage Swale				$ 120,000	BJP																	$ 120,000	2030 Parks MP
New Bridges						$ 12,000	BJP															$ 12,000	PW Staff
Dog Waste Bage Stations		$ 2,000	BJP																			$ 2,000	2030 Parks MP
Dog Waste Bag Stations, Picnic Tables, Educational Signage		$ 17,000	BJP																			$ 17,000	2030 Parks MP
Picnic Tables/Benches, Trash Cans		$ 7,000	BJP																			$ 7,000	2030 Parks MP
Butterfly Garden						$ 30,000	BJP															$ 30,000	2030 Parks MP
Native Plant Planting		$ 7,500	BJP	$ 7,500	BJP																	$ 15,000	2030 Parks MP

DRAFT - 09-16-25

Neighborhoods Department - 10 Year Schedule of Capital Improvements - 2026 through 2035

PROJECT DESCRIPTION	Project #	2026		2027		2028		2029		2030		2031		2032		2033		2034		2035		TOTAL	
Jordan Park																							
Angled parking on N. Side of Park				$ 30,000	BJP																	$ 30,000	2030 Parks MP
Parallel Parking along Jordan St				$ 60,000	BJP																	$ 60,000	2030 Parks MP
Install/Improve Lighting						$ 100,000	BJP															$ 100,000	2030 Parks MP
Bike Repair Station		$ 3,500	BJP																			$ 3,500	PW Staff
Walking Path along Perimeter						$ 150,000	BJP															$ 150,000	2030 Parks MP
Stage for Events						$ 50,000	BJP															$ 50,000	PW Staff
Multiuse Path through Park				$ 50,000	BJP																	$ 50,000	2030 Parks MP
Exercise Equipment				$ 30,000	BJP																	$ 30,000	2030 Parks MP
Bike Racks						$ 3,000	BJP															$ 3,000	2030 Parks MP
Jordan St Entrance Enhancements								$ 15,000	BJP													$ 15,000	2030 Parks MP
Ashby Park (fka Marvin's Garden)																							
Signage, Fencing, etc.				$ 5,000	BJP																	$ 5,000	2030 Parks MP
Bike Rack		$ 2,200	BJP																			$ 2,200	PW Staff
Upgrade Play Equipment		$ 45,000	BJP																			$ 45,000	2030 Parks MP
Riverbranch Preserve																							
Educational Signage @ W. 6th St & Update Kayak Routh Signage		$ 11,000	BJP																			$ 11,000	2030 Parks MP
Rose Park																							
Playground Equipment				$ 60,000	BJP																	$ 60,000	PW Staff
Field Lighting (If neighbors not opposed)						$ 70,000	BJP															$ 70,000	PW Staff
Repairs & Improvements		$ 11,500	BJP																			$ 11,500	PW Staff
Dog Washing Station		$ 1,000	BJP																			$ 1,000	PW Staff
Benches		$ 2,000	BJP																			$ 2,000	PW Staff
Bat Boxes								$ 1,000	BJP													$ 1,000	2030 Parks MP
Public Art				$ 20,000	BJP																	$ 20,000	2030 Parks MP
Russell Park																							
Refurbish Skateboard Park (Minor followed by Major)	PW2508					$ 180,000																$ 180,000	PW Staff
Repurpose One Raquetball Court & Exercise Equipment (Carryover)				$ 100,000	BJP																	$ 100,000	2030 Parks MP
New Baseball Field Lighting (3 fields)				$ 65,000	BJP	$ 65,000	BJP															$ 130,000	PW Staff
Install Community Garden						$ 15,000	BJP															$ 15,000	2030 Parks MP
Replace Concession Stand Windows		$ 10,000	GF																			$ 10,000	PW Staff
Upgrade Play Equipment		$ 180,000	BJP																			$ 180,000	PW Staff
Rain Gardens & Bioswale along Ditch				$ 45,000	BJP																	$ 45,000	2030 Parks MP
Low-Light, Low-Level Lighting along Paths						$ 90,000	BJP															$ 90,000	2030 Parks MP
Tideviews Park																							
Bat Boxes				$ 3,000	BJP																	$ 3,000	2030 Parks MP
Misc. Walkway Repair		$ 30,000	BJP	$ 10,000	BJP	$ 10,000	BJP	$ 10,000	BJP	$ 200,000	BJP											$ 260,000	PW Staff
Kayak Launch Replacement - Sunset Pier		$ 40,000	BJP																			$ 40,000	PW Staff
Boardwalk Refurbishment		$ 100,000	BJP																			$ 100,000	PW Staff
Main Canopy - Replace Sunshade Sails		$ 1,500	BJP																			$ 1,500	2030 Parks MP
Connection to Atlantic Blvd				$ 15,000	BJP																	$ 15,000	2030 Parks MP
Seating/Shade at Each Entrance				$ 30,000	BJP																	$ 30,000	2030 Parks MP
Pervious Walking Path around Pond						$ 50,000	BJP															$ 50,000	2030 Parks MP
Wayfinding Signage @ Trailheads						$ 10,000	BJP															$ 10,000	2030 Parks MP
Add/Maintain Interpretive Signage						$ 5,000	BJP															$ 5,000	2030 Parks MP
Fishing Line Recycling Bin				$ 1,500	BJP																	$ 1,500	2030 Parks MP
Entrance Sign on Camelia St				$ 2,000	BJP																	$ 2,000	2030 Parks MP
ADA Access to Sunset Pier				$ 15,000	BJP																	$ 15,000	2030 Parks MP
Path from Camelia to Drainage Pond Path				$ 30,000	BJP																	$ 30,000	2030 Parks MP
Veteran's Park																							
Grade Lawn to Slope - Emulate Stadium										$ 50,000	BJP											$ 50,000	2030 Parks MP
Signage for Parking Areas				$ 5,000	BJP																	$ 5,000	2030 Parks MP
Beaches Veterans Memorial Park Project	PW2510	$ 9,500	CPF																			$ 9,500	2030 Parks MP
Pavilion & Grills				$ 30,000	BJP																	$ 30,000	2030 Parks MP
Bushes/Fencing around Substation, replace split rail fence around park		$ 5,000	GF																			$ 5,000	2030 Parks MP
Shade Sails for Stage		$ 1,000	GF																			$ 1,000	2030 Parks MP

DRAFT - 09-16-25

Neighborhoods Department - 10 Year Schedule of Capital Improvements - 2026 through 2035

PROJECT DESCRIPTION	Project #	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	TOTAL	
Interpretive Signage about Park			$ 5,000 BJP									$ 5,000	2030 Parks MP
Bike Racks @ Entrance		$ 3,000 BJP										$ 3,000	2030 Parks MP
Park Signs @ Mayport Rd Entrance			$ 2,000 BJP									$ 2,000	2030 Parks MP
Waters Park													
Turf Block Parking							$ 50,000 GF	$ 50,000 GF				$ 100,000	2030 Parks MP
		$ 933,700	**$ 1,973,000**	**$ 997,500**	**$ 139,000**	**$ 270,000**	**$ 50,000**	**$ 70,000**	**$ -**	**$ 20,000**	**$ -**	**$ 4,453,200**	
General Fund - GF		$ 133,000	$ 20,000	$ 20,000	$ -	$ 20,000	$ 50,000	$ 70,000	$ -	$ 20,000	$ -	$ 333,000	
Half Cent Sales tax - BJP		$ 791,200	$ 1,953,000	$ 797,500	$ 139,000	$ 250,000	$ -	$ -	$ -	$ -	$ -	$ 3,930,700	
Capital Project Fund - CPF		$ 9,500	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 9,500	
Sanitation Fund - SF		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
Tree Fund - TF		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
Stormwater Utility Fund - SW		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
		$ 933,700	$ 1,973,000	$ 817,500	$ 139,000	$ 270,000	$ 50,000	$ 70,000	$ -	$ 20,000	$ -	$ 4,273,200	

DRAFT 09-16-25

Public Utilities Department - 10 Year Schedule of Capital Improvements - 2026 through 2035

PROJECT DESCRIPTION	Project #	2026		2027		2028		2029		2030		2031		2032		2033		2034		2035		TOTAL	FUNDING SOURCE	
POTABLE WATER - PRODUCTION																								
WTP #1 - Replacement Generator at Well 2R		$ 70,000	W																			$ 70,000		PU Staff
WTP #2 - Engineering services for Upgrade		$ 30,000	W																			$ 30,000		PU Staff
New Security cameras at all three WTP's		$ 5,000	W																			$ 5,000		PU Staff
WTP #2- 5 year washout/cleanout of Ground Storage tank		$ 5,000	W																			$ 5,000		PU Staff
WTP #2 - Repairs to Pump House		$ 65,000	W																			$ 65,000		PU Staff
WTP #2 - Replace old A/C unit in pump room		$ 12,000	W																			$ 12,000		PU Staff
WTP #1 - 500 Gallon Diesel Fuel Tanks		$ 70,000	W																			$ 70,000		PU Staff
WTP #3 - Chlorine Gas With Hypo-Chlorite		$ 150,000	W																			$ 150,000		PU Staff
WTP #1 - Sandblast Interior of two ground storage tanks		$ 500,000	W																			$ 500,000		PU Staff
WTP #2 - Construction Administrative Services		$ 90,000	W																			$ 90,000		PU Staff
WTP #2 - New 1,500 Gallon Diesel Fuel Tank		$ 45,000	W																			$ 45,000		PU Staff
WTP #2 - Demo Elevated Storage Tank						$ 200,000	W															$ 200,000		PU Staff
WTP #2 - Clean & paint inside & outside of GST																				$ 100,000		$ 100,000		PU Staff
WTP #2 - Additional 500,000 gallon Ground Storage Tank						$ 1,500,000	W															$ 1,500,000		PU Staff
WTP #2 - Video Log & Inspect Well No. 3 & Well No. 5		$ 150,000	W																			$ 150,000		PU Staff
WTP #2 - Potable Water Supply Well Replacement - Well 3				$ 750,000	W																	$ 750,000		PU Staff
WTP #2 - Replace Replace Well Pump - Well 5		$ 50,000	W																			$ 50,000		PU Staff
WTP #3 - Blast & Paint inside & outside of both GSTs																		$ 250,000	W			$ 250,000		PU Staff
WTP# 3 - Upsize 8" Water Main from Pump Room to Assisi Ln to 12" PVC		$ 200,000	W																			$ 200,000		PU Staff
WTP #3 - New Well for Redundancy								$ 1,000,000	W													$ 1,000,000		PU Staff
POTABLE WATER - DISTRIBUTION																								
Construct 850 LF of 12" PVC WM Ocean Walk 10" WM to Sherry Dr Cutoff		$ 160,000	W																			$ 160,000		PU Staff
Replace Water Services On Seminole Road From Atlantic To The 5-Way		$ 120,000																				$ 120,000		PU Staff
Cavalla - Install New Long Side Service Connections east end of Cavalla				$ 270,000	W																	$ 270,000		PU Staff
Construct 55 LF of 12" PVC WM - Navy CDC West to Navy CDC East, Install 2 new hydrants				$ 135,000	W																	$ 135,000		2021 PW Model Update
Construct 280 LF of 12" PVC WM - 1089 Atlantic Blvd to 1075 Atlantic Blvd				$ 80,000	W																	$ 80,000		2021 PW Model Update
Construct 470 LF of 12" PVC WM - Atlantic Ct to Aquatic Dr				$ 144,000	W																	$ 144,000		2021 PW Model Update
Construct 160 LF of 12" PVC WM - Atlantic Blvd @ Aquatic Dr to Fire Hydrant @ Wells Fargo				$ 45,000	W																	$ 45,000		2021 PW Model Update
Construct 1,080 LF of 12" PVC WM - Atlantic Blvd @ Aquatic Dr to Pizza Hut , NE to existing WM						$ 1,500,000	W															$ 1,500,000		2021 PW Model Update
Construct 2,700 LF of 6" WM in Marsh Oaks plus services		$ 220,000	W	$ 240,000	W																	$ 460,000		Septic to Sewer Program
Phase II of Sherry Drive WM Extension to Navy Base Fence		$ 1,435,000	W																			$ 1,435,000		PU Staff
City Works Software/Annual License		$ 150,000	W																			$ 150,000		PU Staff
Mayport Road Bike Path (FDOT Road Diet)		$ 130,000	W																			$ 130,000		PU Staff
Replace Utilities Truck		$ 47,000	W																			$ 47,000		PU Staff
Replace Truck P-29		$ 47,000	W																			$ 47,000		PU Staff
Replace Distribution Truck		$ 70,000	W																			$ 70,000		PU Staff
Computer Equipment		$ 8,000	W																			$ 8,000		PU Staff
Replace 6" AC WM with 12" PVC WM on Sailfish from Cavalla Rd, tie in to Atlantic Blvd (750 LF)		$ 170,000	W																			$ 170,000		2016 PW Model
Replace 4,200 LF of 6" PVC WM with 12" PVC WM on Dutton Island Rd - Mayport Rd to Paradise Cir						$ 840,000	W															$ 840,000		2016 PW Model
Replace 3,200 LF of 8" WM with 12" PVC WM Loop on Mayport Rd/A1A from Assisi A1A to Quad Ct												$ 950,000	W									$ 950,000		2016 PW Model
Replace 5,000 LF of 8" AC with 12" PVC - SR A1A from Mayport Rd to Wonderwood Dr										$ 800,000	W											$ 800,000		2014 PW MP
Replace 4,000 LF of 8" CI/AC with 12" PVC - Seminole Rd from Selva Marina Dr to Saturiba				$ 750,000	W																	$ 750,000		2014 PW MP
Replace 3,500 LF of 8" PVC with 12" PVC - Seminole Rd from Saturiba to Oceanwalk								$ 700,000	W													$ 700,000		2014 PW MP
Replace 1,400 LF of 4" PVC - West Side of Seminole Rd from Saturiba to 19th		$ 160,000	W																			$ 160,000		PU Staff
Replace 3,500 LF of 6" AC with 8" PVC - Oak Harbor - Year 1				$ 525,000	W																	$ 525,000		2014 PW MP
Replace 3,500 LF of 6" AC with 8" PVC - Oak Harbor - Year 2						$ 525,000	W															$ 525,000		2018 Stantec CIP
Replace 1,000 LF 10" CI (1955) with 12" PVC - Seminole Rd - Selva Marina Dr to 5-Way										$ 288,000	W											$ 288,000		2014 PW MP
Replace 4,000 LF of 6" AC WM with 12" PVC WM - Selva Marina Dr from Saturiba to Seminole						$ 800,000	W															$ 800,000		2014 PW MP
Replace 2,400 LF of 4" AC WM with 8" PVC WM - Park Terrace E								$ 420,000	W													$ 420,000		2014 PW MP
Replace 4,300 LF of 8" AC WM with 12" PVC WM - Plaza from Seminole to Mayport Rd												$ 850,000	W									$ 850,000		2018 Stantec CIP
Replace 2,200 LF of 4" AC WM with 8" PVC - Seat Oats Drive and services														$ 600,000	W							$ 600,000		2014 PW MP
Replace 3,300 LF of 8" CI with 12" PVC - Seminole Rd from 5-Way to Atlantic Blvd										$ 750,000	W											$ 750,000		2014 PW MP

DRAFT 09-16-25

Public Utilities Department - 10 Year Schedule of Capital Improvements - 2026 through 2035

PROJECT DESCRIPTION	Project #	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	TOTAL	FUNDING SOURCE	
WASTEWATER - TREATMENT														
Replace 3 6" Butterfly & Limitorque Valves in Main Aeration Basin		$ 45,000 S										$ 45,000		PU Staff
Replace 4 3" Butterfly & Limitorque Valves in Re-Aeration Basin		$ 50,000 S										$ 50,000		PU Staff
Reuse System Upgrade - Effluent Pond Pumping to CCCL & Controls		$ 100,000 S										$ 100,000		PU Staff
Construct new headworks (includes design, eng & permitting)							$ 3,500,000 S					$ 3,500,000		2018 Stantec CIP
Replace 8" Isolation Valves In Old Clarifier Pit For Plant Drainage		$ 60,000 S										$ 60,000		2018 Stantec CIP
New Air Conditioner For Office Lab Building		$ 10,000 S										$ 10,000		2018 Stantec CIP
Replace Mini-Split Air Conditioner For Reclaim Building		$ 10,000 S										$ 10,000		2018 Stantec CIP
Improve aeration tank include a structural integrity study, new drains and sand blasting		$ 100,000 S	$ 200,000 S									$ 300,000		2018 Stantec CIP
Philadelphia Mixer for Anoxic Tank		$ 60,000 S										$ 60,000		2018 Stantec CIP
Security Cameras		$ 45,000 S										$ 45,000		2018 Stantec CIP
Replace Digester Catwalk		$ 185,030 S										$ 185,030		2018 Stantec CIP
CA Services – WWTP Gas Chlorination		$ 35,000 S										$ 35,000		2018 Stantec CIP
Centrifuge Upgrade			$ 45,000 S									$ 45,000		2018 Stantec CIP
Pre-treatment: replace existing eccentric plug valves			$ 65,000 S									$ 65,000		2018 Stantec CIP
Influent wetwell replacement/expansion			$ 700,000 S									$ 700,000		PU Staff
Chlorination: add motor operators to the chlorine contact chamber sluice gates (7 total)						$ 100,000 S						$ 100,000		2018 Stantec CIP
Inspect & Repaint Hydro Tanks								$ 50,000 S				$ 50,000		PU Staff
Replace Obsolete Mixers in Aeration Basin, two at a time			$ 150,000 S		$ 150,000 S		$ 150,000 S		$ 150,000 S			$ 600,000		PU Staff
Aeration Basins - Clean, Blast & Paint				$ 175,000 S		$ 175,000 S		$ 175,000 S				$ 525,000		PU Staff
Rehab/Replace Operations & Polymer Buildings - Construction				$ 950,000 S								$ 950,000		PU Staff
Odor Control Assessment and Implementation (Carryover from FY25)	PU2326	$ 200,000 S										$ 200,000		PU Staff
Rehab/Replace Operations & Polymer Buildings - Design Services			$ 100,000 S									$ 100,000		PU Staff
Design Lab/Operations Building Upgrade		$ 50,000 S										$ 50,000		PU Staff
Construct Lab/Operations Building Upgrade		$ 100,000 S										$ 100,000		PU Staff
Effluent Pumps Replacement							$ 120,000 S					$ 120,000		PU Staff
SB 64 Compliance Design and Construction of Alternate Effluent Disposal*		$ 250,000 S		$ 1,000,000 S	$ 18,000,000 S	$ 12,000,000 S	$ 5,000,000					$ 36,250,000		2018 Stantec CIP
SB 64 Compliance - Design & Construction of Reclaimed Water Sytem Expansion**		$ 250,000 S	$ 750,000 S	$ 7,500,000 S	$ 7,500,000 S							$ 16,000,000		2018 Stantec CIP
												$ -		
WASTEWATER - COLLECTION														
Infiltration & Inflow Control - Assessment & Implementation		$ 250,000 S	$ 250,000 S	$ 250,000 S	$ 250,000 S	$ 250,000 S	$ 250,000 S	$ 250,000 S	$ 250,000 S			$ 2,000,000		PU Staff
Stndrdz Elec Connect @ LS Generators		$ 45,000 S										$ 45,000		PU Staff
Rate Study		$ 10,000 S										$ 10,000		PU Staff
Odor Control-Buccaneer LS		$ 150,000 S										$ 150,000		PU Staff
Odor Control-Selva Marina LS		$ 80,000 S										$ 80,000		PU Staff
Odor Control Assessment and Implementation		$ 16,600 S										$ 16,600		PU Staff
Retrofit High Priority L/S - Due to Flooding at Cavalla L/S		$ 400,000 S										$ 400,000		PU Staff
New Generator at Atlantic Beach Preserve Lift Station		$ 40,000 S										$ 40,000		PU Staff
2 new 4" Super Pumps for Lift Station		$ 16,600 S										$ 16,600		PU Staff
2 new 4" Super Pumps for Mimosa Cove Lift Station		$ 16,600 S										$ 16,600		PU Staff
New Check Valves Mimosa Cove LS		$ 10,400 S										$ 10,400		PU Staff
Retrofit High Priority LS Vulnerable to Flooding - TBD	PU2518	$ 700,000 S										$ 700,000		Adaptation Plan
Retrofit 18 Medium Priority LS Vulnerable to Flooding			$ 300,000 S									$ 300,000		Adaptation Plan
Replacement Vac-Truck		$ 500,000 S										$ 500,000		PU Staff
LS Influent Line Replacement (3)		$ 50,000 S										$ 50,000		PU Staff
LS Wetwell and Suction Pipes Repair						$ 40,000 S						$ 40,000		PU Staff
Replace 2,400 LF of 8" effluent FM from Selva Marina LS (LS D)				`	$ 480,000 S							$ 480,000		2018 Stantec CIP
Replace 4,330 LF of 8" effluent FM from Cavalla LS (LS F)								$ 850,000 S				$ 850,000		2018 Stantec CIP
Replace 5,490 LF of 8" effluent FM from Mayport Landing LS				$ 1,200,000 S								$ 1,200,000		2018 Stantec CIP
Replace 2,270 LF of 6" effluent FM from Mimosa Cove LS						$ 500,000 S						$ 500,000		2018 Stantec CIP
Septic to Sewer 14 homes in Marsh Oaks (Begonia, Tulip)		$ 375,000 S										$ 375,000	State Appropriation?	Septic to Sewer Program
Septic to Sewer Remainder of Marsh Oaks (W Plaza, Carnation, Gladiola & Lilly)			$ 375,000 S									$ 375,000	State Appropriation?	Septic to Sewer Program
Install screens/comminutor and pump replacements at Buccaneer LS				$ 750,000 S								$ 750,000		2018 Stantec CIP

DRAFT 09-16-25	Public Utilities Department - 10 Year Schedule of Capital Improvements - 2026 through 2035																							
PROJECT DESCRIPTION	**Project #**	**2026**		**2027**		**2028**		**2029**		**2030**		**2031**		**2032**		**2033**		**2034**		**2035**		**TOTAL**	**FUNDING SOURCE**	
Sewer Collection System Master Plan Update		$ 200,000	S																		$ 200,000		PU Staff
																					$ -		
SB 64 Compliance - Design & Construction of Alternate Effluent Disposal*		$ 250,000	S			$ 1,000,000	S	$ 18,000,000	S	$ 12,000,000	S	$ 5,000,000	S								$ 36,250,000	TBD	PU Staff
SB 64 Compliance - Design & Construction of Reclaimed Water Sytem Expansion*				$ 750,000	S	$ 7,500,000	S	$ 7,500,000	S												$ 15,750,000	TBD	PU Staff
																					$ -		
* BPJ, If FY26 effort is successful, subsequent year costs will be significantly reduced		**$ 8,819,230**		**$ 6,624,000**		**$ 25,690,000**		**$ 54,000,000**		**$ 26,903,000**		**$ 15,820,000**		**$ 1,925,000**		**$ 400,000**		**$ 250,000**		**$ 100,000**	**$ 140,531,230**		
* BPJ, assumes no changes in regluatory requirements																							
- Linked to PW Multiuse Path Projects																							
Water Utility Fund - W		$ 4,039,000		$ 2,939,000		$ 5,365,000		$ 2,120,000		$ 1,838,000		$ 1,800,000		$ 600,000		$ -		$ 250,000		$ -	$ 18,951,000		
Sewer Utility Fund = S		$ 4,660,230		$ 3,685,000		$ 20,325,000		$ 51,880,000		$ 25,065,000		$ 9,020,000		$ 1,325,000		$ 400,000		$ -		$ -	$ 116,360,230		

DRAFT - 09-16-25

Public Works Department - 10 Year Schedule of Capital Improvements - 2026 through 2035

PROJECT DESCRIPTION	Project #	2026		2027		2028		2029		2030		2031		2032		2033		2034		2035		TOTAL	
BEACH ACCESSES																							
Landscaping - Beach Accesses		$ 10,000	GF	$ 10,000	GF	$ 10,000	GF	$ 10,000	GF	$ 10,000	GF	$ 10,000	GF	$ 10,000	GF	$ 10,000	GF	$ 10,000	GF	$ 10,000	GF	$ 100,000	PW Staff
Reconstruct 16th St Walkover				$ 650,000	CPF																	$ 650,000	PW Staff
2 New Beach Showers		$ 10,000	GF							$ 10,000	GF							$ 10,000	GF			$ 30,000	2030 Parks MP
Dune Walkover Maintenance & Repair (various)				$ 100,000	GF																	$ 100,000	2030 Parks MP
New Walkovers, Locations TBD		$ 140,000	CPF			$ 140,000	BJP			$ 140,000	BJP			$ 140,000	BJP							$ 560,000	PW Staff
5 New Beach Chairs		$ 3,000	BJP																			$ 3,000	2030 Parks MP
ROADS & STREETS																							
Street Maintenance - Milling and Paving		$ 550,000	CPF	$ 550,000	CPF	$ 550,000	CPF	$ 550,000	CPF	$ 550,000	CPF	$ 550,000	CPF	$ 550,000	CPF	$ 550,000	CPF	$ 550,000	CPF	$ 550,000	CPF	$ 5,500,000	PW Staff
Sidewalks - Throughout City as needed		$ 125,000	CPF	$ 125,000	BJP	$ 125,000	BJP	$ 125,000	BJP	$ 125,000	BJP	$ 125,000	GF	$ 125,000	GF	$ 125,000	GF	$ 125,000	GF	$ 125,000	GF	$ 1,250,000	PW Staff
Town Center Street Light Replacement		$ 100,000	CPF																			$ 100,000	PW Staff
Hustler X-One Mower		$ 12,000	GF																			$ 12,000	PW Staff
General Landscape & Beautification		$ 10,000	GF																			$ 10,000	PW Staff
Thermoplastic Crosswalks - Throughout City	PW2513	$ 25,000	GF																			$ 25,000	PW Staff
Landscape Replacement - Atlantic Blvd & Mayport Rd		$ 25,000	GF																			$ 25,000	PW Staff
Landscape Replacement - Police Department		$ 2,000	GF																			$ 2,000	PW Staff
Landscape Replacement - Atlantic Blvd Median		$ 15,000	GF																			$ 15,000	PW Staff
Landscape Replacement - Atlantic Blvd Median (Brightway)		$ 17,000	GF																			$ 17,000	PW Staff
Plaza Reconstruction - Sailfish west to Nautical Blvd		$ 250,000	GF																			$ 250,000	PW Staff
New 30 Yard Container		$ 10,000	GF																			$ 10,000	PW Staff
Royal Palms - Replace broken curbs and gutters throughout				$ 500,000	BJP	$ 500,000	BJP															$ 1,000,000	PW Staff
1/2 Ton 4WD Pickup Truck		$ 50,000	GF																			$ 50,000	PW Staff
CONNECTIVITY PLAN																							
Ahern St - East Coast to Sherry Dr - 8' Multiuse Path + Bike	PW2522	$ 650,000	CPF																			$ 650,000	2021 Connectivity Plan
Sandpiper - 8' Multiuse Path				$ 90,000	BJP																	$ 90,000	2021 Connectivity Plan
Dutton Island Rd - Francis to Mayport - 8' Multiuse Path		$ 90,000	CPF																			$ 90,000	2021 Connectivity Plan
Dutton Island Rd - Mayport to George - 8' Multiuse Path + 5' Sidewalk (COJ Side)		$ 216,000	CPF																			$ 216,000	2021 Connectivity Plan
Dutton Island Rd - George St to Main St - 8' Multiuse Path		$ 272,000	CPF																			$ 272,000	2021 Connectivity Plan
Sailfish Dr - 8' Multiuse Path		**$ 330,000**	**CPF**																			$ 330,000	2021 Connectivity Plan
Main St - Levy Rd to Dutton Island Rd - 8' Multiuse Path										$ 1,300,000	CPF											$ 1,300,000	2021 Connectivity Plan
W Plaza - North Side - 8' Multiuse Path				$ 32,000	BJP																	$ 32,000	2021 Connectivity Plan
1st St W - Tide Views to Veterans Park - Sharrow				$ 400	BJP																	$ 400	2021 Connectivity Plan
Orchid St - Rose to Tide View - 6' Path						$ 216,000	CPF															$ 216,000	2021 Connectivity Plan
Seminole Rd - Missing Link 8' Multiuse Path - Saturiba to Garden Ln (1,900 LF)								**$ 430,000**	**CPF**													$ 430,000	2021 Connectivity Plan
Seminole Rd - Missing Link 8' Multiuse Path - 17th St to Saturiba (1,100 LF)				**$ 250,000**	**CPF**																	$ 250,000	2021 Connectivity Plan
Seaspray - Sailfish to AB Elementary - 8' Multiuse Path												$ 330,000	CPF									$ 330,000	2021 Connectivity Plan
Ahern St - Ocean to East Coast - Complete Streets	PW2514	$ 550,000	CPF																			$ 550,000	2021 Connectivity Plan
BUILDING MAINTENANCE & PW ADMINISTRATION																							
Marsh Oaks Community Center - Complete Rehab Project		$ 325,000	CPF																			$ 325,000	PW Staff
Replace 6-Bay Barn with Metal 6-Bay Building		$ 300,000	SW																			$ 300,000	PW Staff
Replace 4 AC Units		$ 40,000	GF																			$ 40,000	PW Staff
3 New AC Units TBD		$ 22,500	GF																			$ 22,500	PW Staff
City Hall - Solar Panels								$ 75,000	GF													$ 75,000	PW Staff
Christmas Lights @ City Hall & Adele Grage		$ 4,000	GF																			$ 4,000	PW Staff
Large Fans for Main Garage		$ 12,500	GF																			$ 12,500	PW Staff
Replace Two-Post 12,000 lb Lift		$ 20,000	GF																			$ 20,000	PW Staff
Replace Air Compressor		$ 15,000	GF																			$ 15,000	PW Staff
Standalone Pressure Washer		$ 2,500	GF																			$ 2,500	PW Staff
Airless Paint Sprayer		$ 2,500	GF																			$ 2,500	PW Staff
Automatic Locks for 12 Restrooms		$ 10,000	GF																			$ 10,000	PW Staff
Building Auto Lock Upgrade		$ 10,000	GF																			$ 10,000	PW Staff
City Hall - Emergency Escape Windows				$ 7,000	GF																	$ 7,000	PW Staff
Jordan Park Community Center - Roof Replacement				$ 65,000	GF																	$ 65,000	PW Staff
Adele Grage - Roof Replacement		$ 50,000	GF																			$ 50,000	PW Staff
Intercom Emergency Alarm		$ 5,000	GF																			$ 5,000	PW Staff

DRAFT - 09-16-25

Public Works Department - 10 Year Schedule of Capital Improvements - 2026 through 2035

PROJECT DESCRIPTION	Project #	2026		2027		2028		2029		2030		2031		2032		2033		2034		2035		TOTAL	
New ERP System		$ 525,705	CPF																			$ 525,705	PW Staff
STORMWATER MANAGEMENT																							
Aquatic Gardens - Phase I Construction (carryover)		$ 750,000	SW																			$ 750,000	**SWMP - 2018**
Easements		$ 5,000	SW	$ 5,000	SW	$ 5,000	SW	$ 5,000	SW	$ 5,000	SW	$ 5,000	SW									$ 30,000	**SWMP - 2018**
Aquatic Gardens - Cutlass Box Culvert. Construction (90% HMGP)				$ 400,000	SW																	$ 400,000	**SWMP - 2018**
Aquatic Gardens - Ditch Widening Construction ($1.0M Leg. Approp.)						$ 1,000,000	SW															$ 1,000,000	**SWMP - 2018**
Sherman Creek Culvert Replacement - Seminole, Plaza, & 11th St								$ 1,500,000	SW													$ 1,500,000	**SWMP - 2018**
Howell Park & Sherman Creek - Dredging for Flow Restoration						$ 1,000,000	CPF	$ 1,000,000	CPF													$ 2,000,000	**SWMP - 2018**
9th/10th/11th/12th Streets - Phase I								$ 1,100,000	SW													$ 1,100,000	**SWMP - 2018**
1st, 2nd & 3rd St - Drainage System & Roadway Rehab										$ 2,000,000	CPF											$ 2,000,000	PW Staff
Ahern Street Drainage Improvements Flood Enhancement	PW2518	$250,000	CPF																			$ 250,000	PW Staff
East Coast Atlantic Blvd to Ahern Drainage Improvements	PW2519	$500,000	CPF																			$ 500,000	PW Staff
Royal Palm - Storm Sewer Repair				$ 50,000	SW	$ 50,000	SW															$ 100,000	PW Staff
Dora Drive SW Pond						$ 1,500,000	SW															$ 1,500,000	PW Staff
4WD Half Ton Pickup Truck		$ 50,000	SW																			$ 50,000	PW Staff
Baffle Boxes on Levy & Saturiba - Eng & Construction		$ 125,000	SW																			$ 125,000	PW Staff
West Side Swale & Ditch Cleaning		$ 100,000	SW																			$ 100,000	PW Staff
Annual Drainage Ditch Maintenance Bid		$ 200,000	SW	$ 200,000	SW	$ 200,000	SW	$ 200,000	SW	$ 200,000	SW	$ 200,000	SW	$ 200,000	SW	$ 200,000	SW	$ 200,000	SW	$ 200,000	SW	$ 2,000,000	PW Staff
4th & 5th St - Drainage System & Roadway Rehab				$ 1,000,000	SW																	$ 1,000,000	PW Staff
6th, 7th & 8th St - Drainage System & Roadway Rehab				$ 1,000,000	SW	$ 500,000	BJP															$ 1,500,000	PW Staff
Plaza East Coast to 5-Way) - Drainage System, Curb & Roadway Rehab						$ 1,000,000	BJP															$ 1,000,000	PW Staff
9th/10th/11th/12th Streets - Phase II												$ 1,200,000	SW									$ 1,200,000	**SWMP - 2018**
Johansen Park - Culvert Replacement				$ 450,000	BJP																	$ 450,000	**SWMP - 2018**
W. 9th St - Drainage Improvements		$ 100,000	SW																			$ 100,000	PW Staff
Mealy St - Drainage Improvements @ Dutton Island Rd						$ 250,000	SW															$ 250,000	PW Staff
Stanley Rd Area - Enlarge Existing Storm Sewer (90% HMGP Funded)				$ 650,000	BJP																	$ 650,000	**SWMP - 2018**
Mary St & Stewart St - Improvements (75% HMGP Funded)		$ 415,000	SW																			$ 415,000	**SWMP - 2018**
ADAPTATION & RESILIENCY																							
Critical Public Facilities - High Exposure Evaluation & Improvements						$ 80,000	GF	$ 50,000	GF	$ 50,000	GF	$ 50,000	GF									$ 230,000	**Adapation Plan - 2021**
Critical Public Facilities - Medium Exposure Evaluation						$ 25,000	GF															$ 25,000	**Adapation Plan - 2021**
Critical Public Facilities - Medium Exposure Improvements						$ 20,000	GF	$ 20,000	GF	$ 20,000	GF	$ 20,000	GF									$ 80,000	**Adapation Plan - 2021**
50-Year Drainage Plan - Evaluate Major Drainageways & Projects **(SWMP Update)**	**PW2520**	$ 200,000																				$ 200,000	**Adapation Plan - 2021**
Vulnerable Roadway Segments - Protect from SLR								$ 1,000,000	GF	$ 1,000,000	GF	$ 1,500,000	SW	$ 1,500,000	BJP	$ 2,000,000	SW					$ 7,000,000	**Adapation Plan - 2021**
		$ 7,501,705		**$ 6,134,400**		**$ 7,171,000**		**$ 6,065,000**		**$ 5,410,000**		**$ 3,990,000**		**$ 2,525,000**		**$ 2,885,000**		**$ 895,000**		**$ 885,000**		**$ 43,462,105**	

- Linked to PU CIP Project

General Fund - GF	$ 630,000	$ 182,000	$ 135,000	$ 1,155,000	$ 1,090,000	$ 205,000	$ 135,000	$ 135,000	$ 145,000	$ 135,000	$ 3,947,000
Half Cent Sales tax - BJP	$ 3,000	$ 1,847,400	$ 2,265,000	$ 125,000	$ 265,000	$ -	$ 1,640,000	$ -	$ -	$ -	$ 6,145,400
Capital Project Fund - CPF	$ 4,623,705	$ 1,450,000	$ 1,766,000	$ 1,980,000	$ 3,850,000	$ 880,000	$ 550,000	$ 550,000	$ 550,000	$ 550,000	$ 16,749,705
Sanitation Fund - SF	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Tree Fund - TF	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Stormwater Utility Fund - SW	$ 2,045,000	$ 2,655,000	$ 3,005,000	$ 2,805,000	$ 205,000	$ 2,905,000	$ 200,000	$ 2,200,000	$ 200,000	$ 200,000	$ 16,420,000

Budget Calendar Fiscal Year 2026-27

Month	Day	Responsible Party	Required Activity/Task	Comments/Referrence
February	**17**	Finance/City Manager	Budget Calendar is Presented to City Council	
February	**17**	City Council	Adopt Budget Calendar for FY 2026-27	
February	**1 to 27**	Finance/HR	Positions and Benefits Budget Review and Update	
February	**27**	Finance	Issue Budget Instructions to Departments	
March	**16 to 20**	Finance	Distribution of budget worksheets to Department Heads	
March - April	**30 to 3**	Department Heads	Departments submit draft of proposed budget for FY 2026-27 to Finance Department.	
March - April	**30 to 3**	CFO	Preliminary Revenue Forecasting/Estimates	
April	**13 to 17**	City Mgr./CFO	City Manager & Finance meet with Department Heads to review submitted budget requests	
April	**20 to 24**	Finance	Tentative Budget Book Preparation-First Draft	
April	**29**	CFO	Presentation of Budget Draft FY 2026-27 to Finance Committee	
May	**4**	Department Heads	Individual Presentation	
May	**18**	City Manager/CFO	First Townhall Meeting/Budget Workshop/Individual Presentation	
May	**18**	CFO	Mid-year budget presentation FY2025-26	
June	**1**	Property Appraiser	Provide an estimate of 2026 total assessed property values on non exempt property	Florida Statute, Section 200.065(7)
June	**12**	CFO		
June	**22**	CFO	Council workshop Roller-Back rate & Millage options (required F.S. 200.065)	Florida Statute, Section 200.065(7)
July	**1**	Property Appraiser	***Certifies Taxable Values-TRIM process begings.***	Florida Statute, Section 200.065 (1)

Month	Day	Responsible Party	Required Activity/Task	Comments/Referrence
July	**6**	CFO/City Council	Establish the maximun millage rate for FY 2026-27	
July	**6 to 17**	Finance	Present second draft of budget to Finance Committee for FY 2026-27	
July	**20**	CFO/Fin Committee	Present second draft to City Council for FY 2026-27	
By August	**4**	Council	Must set Proposed Millage Rate, Identify rolled-back rate, set day/time/place for 1st heaaring	Florida Statute, Section 200.065(2)(b)
By August	**4**	CFO	Notify Property Appraiser DR-420 & DR-420MM (TRIM D.S. 200.065)	
By August	**4**	Fin Committee/CFO	City Council workshop (non-voting) to narrow millage rate	
August	**On or Before August 16**	City Clerk/ CFO	Advertise for first public hearing (Sept 8)	
August	**17 to 31**	Property Appraiser	Mail TRIM Notices to taxpayers	Florida Statute, Section 200.065(2)9b)
Sept	**7**	City Council	First Budget/Millage Hearing & Adopt Tentative Millage Rate/Budget, by Ordinace-First Read.	Florida Statute 286.011
Sept	**21**	City Council	Second/Final Millage Rate & Budget Meeting to consider final adoption-Ordinance second read.	
Sept	**22 to 25**	CFO	Notify Property Appraiser & Tax Collector of the adopted milage & budget (F.S. 200.065)	
Sept	**22 to 25**	CFO	Post the adopted budget document on City website and retain for 2 years.	