



Village of Paw Paw
Village Council Regular Meeting
Monday, July 27, 2026, 7 PM
Paw Paw District Library, Community Room
609 W. Michigan Ave, Paw Paw, MI 49079

Agenda

- I. Call to Order**
- II. Pledge of Allegiance**
- III. Roll Call:** President Roman Plaszcak; President Pro-Tem Douglas Craddock; Trustees Nicolas Martinez, David McQueen, Steve Richardson, and Donne Rohr.
- IV. Approval of Agenda**
- V. Approval of Minutes**
 - Regular meeting of July 13, 2026
- VI. Authorization to Pay Claims.** July 27, 2026 (Rohr, Craddock); August 10, 2026 (Martinez, McQueen)
- VII. Audience Participation (Limited to 3 minutes per speaker)**
- VIII. Council Member Comments**
- IX. Public Hearings: None**
- X. Action Items**
 - DDA Request – board size
 - Radio Encryption purchase authorization
 - Briggs Dam project change order
 - Briggs Dam O&M proposal
 - Lounsbury Pay Request – Elm St
 - AMI Proposal & Authorization

XI. Workshop Items: None

XII. Committee Meetings and Reports (committees may have items to bring to the council) *Estimated 30 minutes for all with next meeting dates.*

- Area Parks & Rec. Board (McQueen): August 3 - **7 PM**
- Downtown Development Authority (Plaszczak): August 17 - **5:30 PM**
- Economic and Residential Opportunity (Plaszczak): August 13 - **4 PM**
- Farmers Market (Martinez): August 21 - **5 PM**
- Fire District Board (Craddock): August 4 - **7 PM**
- Historical Commission (Plaszczak): August 12 - **4 PM**
- Housing Commission (Rohr): August 24 - **3 PM**
- Maple Lake Preservation & Improvement (Plaszczak): Aug. 4 - **4 p.m.**
- Planning Commission (Martinez): Aug 6 - **7 PM**
- Wine & Harvest Board (Craddock): Aug 5 - **6 PM**

XIII. Council Member Comments

XIV. Manager & Departmental Reports

XV. Tabled Items Expected to come back before the Village Council

- Short Term Rentals
- Sidewalk Vendor Regulation

XVI. Adjournment

Notice to Public Attendees

If you would like to speak to the Village Council, please make your statements during the Audience Participation Period. Public comments are limited to **3 minutes** per speaker. Please note that this will not be a question-and-answer exchange. If you would like follow-up, provide your name and phone number/email on the sign-in sheet at the Clerk's table. The appropriate member of the Village Council or Village Staff will contact you.

Minutes

**Minutes, Paw Paw Village Council
Regular Meeting, July 13, 2026**

The Regular Village Council meeting of Monday, July 13, 2026, convened at 7:00p.m. at the Paw Paw District Library, Community Room. President Plaszczyk presiding.

Meeting Convened

Present: President Roman Plaszczyk, Pro Tem Douglas Craddock, Trustees Steve Richardson (excused), Nicolas Martinez, David McQueen and Donne Rohr. Also present: Village Manager Bryan Myrkle, Clerk Karla Tacy, DPS Director Tim Brandys and Police Chief Eric Rottman (excused).

Members Present

Motion by Rohr with support from Martinez to approve the agenda as presented. All members present voting yes, motion carried.

Approval of Agenda

Motion by Rohr with support from Martinez to approve the regular meeting minutes of June 822, 2026. All members present voting yes, motion carried.

Approval of Minutes

Motion by Martinez with support from McQueen to approve claims for Monday, July 13, 2026, in the amount of \$870,895.09. All members present voting yes, motion carried.

Approval of Claims

Ed Hellwege, who will be running for Village Trustee in November, introduced himself to Council.

Audience Participation

Michael McCarthy questioned when Warner Vineyards' site revision work would be considered complete in regard to concert noise enforcement.

**Council Member
Comments:**

Trustee Rohr inquired as to when the amphitheater roof would be repaired from the recent storm damage.

Trustee Martinez reports there is a large pile of brush from the storm on Paw Paw St that can hopefully be picked up before Paw Paw Days.

Trustee McQueen has witnessed excessive speeds from boaters between Maple Island and the shoreline. There is currently no signage announcing the speed limit/no wake in that area.

**Action Items:
Bronson Lakeview ER
Expansion Site Plan**

Motion by McQueen with support from Craddock to approve the site plan for Bronson Lakeview's ER expansion, upon accepting the conditions deemed necessary by the Planning Commission and the July 10, 2026, memo submitted by Planner Trisha Anderson. With the additional wording to Condition #4 "comply with Village of Paw Paw ordinances". All members present voting yes, motion carried.

Motion by Rohr with support from Martinez to approve the recommendation from the Village President and approve the appointment of Doug Hickock to the Parks & Rec Board. All members present voting yes, motion carried.

**Appointment of Parks &
Rec Board**

**Minutes, Paw Paw Village Council
Regular Meeting, July 13, 2026**

Motion by Craddock with support from Martinez to authorize EGLE to perform environmental remediation work in various Village of Paw Paw Right-of-Ways. All members present voting yes, motion carried.

**EGLE Right of Way
Consent**

Motion by Martinez with support from Rohr to approve pay request No. 9 (final) from Milbocker Construction in the amount of \$138,301.82. All members present voting yes, motion carried.

**Briggs Dam Pay
Request #9**

The Parks & Rec Board participated in a presentation from Rent.Fun regarding self-serve kayak kiosks. The Board also discussed installing cameras at Maple Island and the playground equipment being donated from the Cedar Street school.

**Committee Meetings
Parks and Rec**

None.

DDA

The Economic and Residential Opportunity Committee is working on drafting a tax incentive policy.

**Economic & Residential
Opportunity**

The Farmers Market Board is contemplating holding their next meeting at their Friday night market at St. Julian Winery.

Farmers Market

The Fire Department received their new fire truck. The Board made the decision to switch their accounts to Sturgis Bank.

Fire Board

None.

Historical Commission

The Housing Commission has changed their meetings to the 4th Monday of the month at 3pm.

Housing Commission

None.

**Maple Lake
Preservation**

At their 7/2 meeting, the Planning Commission approved the Bronson Lakeview ER expansion and discussed the 8/6 public hearing for the master plan.

Planning Commission

None.

Wine & Harvest

Trustee Craddock believes Council should be consistent regarding responding to audience member comments.

**Council Member
Comments:
Craddock**

Manager Myrkle announced that MDOT has moved up the timeline for M-40 reconstruction project from 2030 to 2028. The revised PUD/Brownfield plan for Hawthorne Meadows should be on the August 10th meeting agenda for Council to revote. Staff has been conducting interviews for a new contracted Code Enforcement agent.

Manager Comments

**Minutes, Paw Paw Village Council
Regular Meeting, July 13, 2026**

DPS Director Brandys reports that healer/sealer work is beginning this week on three bridges within the Village. The Village had multiple facilities damaged during the recent storm, information is being gathered in order submit insurance claims. The Briggs Dam fencing install will begin tomorrow.

**Staff Comments
Brandys**

Motion by Craddock with support by Martinez to adjourn the meeting. All members present voting yes, motion carried. Meeting adjourned at 7:56pm.

Adjournment

Respectfully submitted:

Karla Tacy
Village Clerk

Roman Plaszcak
Village President

DRAFT

DDA Request

Village of Paw Paw MICHIGAN

Memorandum

To: Village Council
From: Bryan Myrkle, Village Manager
Re: DDA Request – Board Size
Date: July 24, 2026

Background

At a recent meeting, the Village of Paw Paw DDA voted unanimously to request that the Village Council consider amending the local DDA Ordinance to allow greater flexibility in the size of its board.

Presently, our local ordinance requires a 13-person board (Village President and 12 others). However, Michigan's statute governing DDA boards (Recodified Tax Increment Financing Act – Act 57 of 2018) is more flexible, allowing for membership consisting of 8-12 members plus the President.

The DDA Board is requesting our local ordinance be updated to reflect the state statute and allow for a board that would consist of 8-12 members.

The reason for this is the occasional difficulty in finding qualified members to fill open spots. Currently the board is full with 12 members plus the Village President, but that has not been the case until recently.

Recommendation

Approve the DDA Board's request and authorize staff to begin the process of updating the ordinance.

Radio Encryption



PAW PAW POLICE DEPARTMENT

P.O. Box 179 • 114 Harry L. Bush Blvd. • Paw Paw, MI 49079

Phone: 269-657-5501 / Fax: 269-657-5144

email: pppd651@pawpaw.net

ERIC ROTTMAN
Chief of Police

DATE: July 24, 2026

TO: Village Manager Bryan Myrkle and Village Council

FROM: Chief of Police Eric Rottman

REF: Purchase of Radio Equipment

RADIO ENCRYPTION AND EQUIPMENT PURCHASE

State and federal requirements are moving law enforcement agencies toward encrypted radio communications on designated channels. The primary purpose of encryption is to protect personally identifiable information and other sensitive data that may be transmitted over the radio. Additionally, the widespread availability of scanner applications that allow real-time monitoring of law enforcement activity has created officer safety concerns, further emphasizing the need for encrypted communications.

Van Buren County has delayed implementation of radio encryption county wide; however, the county has reached a point where preparations are beginning to ensure compliance when encrypted law enforcement radio channels are fully implemented. As a smaller agency served by Van Buren Central Dispatch, our department will be required to meet the same encryption standards and requirements as the Van Buren County Sheriff's Office and other county law enforcement agencies.

Historically, radio system upgrades have often been funded through countywide grants secured by the Van Buren County Sheriff's Office. The Sheriff's Office has actively pursued state and federal grant opportunities to assist agencies throughout the county with the costs associated with encryption and radio replacement. Unfortunately, funding opportunities for these projects have been limited, and no grant assistance appears to be forthcoming. While we had hoped grant funding would become available, we believe the most responsible course of action is to proceed with the necessary upgrades now to ensure we are prepared for future implementation.

Accomplishments to Date

Over the past two years, the department has purchased four new Kenwood portable radios equipped with encryption capability. These radios replaced outdated portable units that could not accept encryption upgrades and were no longer serviceable.

In addition, our department has three Motorola portable radios purchased in 2021 that have now received encryption upgrades.

Van Buren County is currently in the process of encrypting their radios and other departments are moving forward with purchasing encrypted radios or encrypting what they currently have.

Immediate Needs

The department has begun transitioning from Motorola to Kenwood radios. Kenwood has established itself as a reputable manufacturer and is increasingly being adopted by law enforcement agencies as a cost-effective alternative to Motorola.

In 2021 and 2022, the department purchased three Kenwood mobile radios to replace Motorola mobile radios that were nearing twenty years of service and had reached end-of-life status. At the time of purchase, encryption capability was not required and therefore was not included. These three radios now require encryption upgrades.

Additionally:

- One original Motorola mobile radio must be replaced because it cannot support encryption upgrades.
- One base station radio located at the police department must be replaced. Due to the metal construction of the department building, radio reception can be challenging. The base station operates independently and is connected to the department's speaker system to ensure calls for service are not missed.

Future Equipment Needs

The upgrades identified above represent the minimum equipment necessary to maintain operations once encrypted communications are implemented. To continue providing the high level of service expected by our community, the department will also need to purchase:

- One additional Kenwood portable radio.
- Two additional Kenwood mobile radios.

Funding

The Village recently received Public Safety Revenue Sharing funds from the State of Michigan. These funds are intended to support law enforcement services and arrive at a critical time given the costs associated with radio encryption. The Village's allocation totaled **\$28,378**.

- Encryption upgrades for the three existing Kenwood mobile radios, a new encrypted base station and the purchase of one new encrypted mobile radio to replace the outdated Motorola mobile unit: **approximately \$13,000**

The available Public Safety Revenue Sharing funds should cover the majority of the short-term and long costs.

Next Steps

The department intends to move forward with the required upgrades and purchases necessary to equip our patrol vehicles and replace our base station with encrypted communications capability. These improvements will ensure compliance with state and federal requirements, enhance officer safety, protect sensitive information, and maintain reliable communication capabilities for our officers and dispatch operations.

PURCHASE REQUEST

We are requesting council to approve the purchase of radio encryption upgrades for three patrol vehicles and two additional radios up to **\$13,000**.



PAW PAW POLICE DEPARTMENT

P.O. Box 179 • 114 Harry L. Bush Blvd. • Paw Paw, MI 49079

Phone: 269-657-5501 / Fax: 269-657-5144

email: pppd651@pawpaw.net

ERIC ROTTMAN
Chief of Police

DATE: July 23, 2026

TO: Village Manager Bryan Myrkle

FROM: Chief of Police Eric Rottman

PUBLIC SAFETY PROFESSIONAL NIGHT

We will again be holding this event on August 11th with a rain day of August 12th from 5pm-8pm at Tapper Ford. There was a great turnout last year and we hope for another exciting night this year. This event is one of the larger events we participate in. It draws a large crowd from around the area and is a great way for the public to meet their Public Safety Professionals.

WINE AND HARVEST

Planning is well under way for Wine and Harvest 2026. With the assistance of our partners, we are looking forward to another great Wine and Harvest weekend this year.

EMAILS

We have received several emails over the last couple of weeks thanking us for the excellent job that your officers do and how conscientious they are in serving the community. These are just a few examples of the great job our staff does in their numerous daily interactions with the community.

Briggs Dam Change Order

July 14, 2026

Mr. Bryan Myrkle
Village Manager
Village of Paw Paw
111 East Michigan Avenue
Paw Paw, Michigan 49079-0179

Re: Change Order to Agreement for Briggs Dam Construction Services

Dear Mr. Myrkle:

This letter sets forth changes to Agreement dated November 10, 2020, including subsequent updates presented in an agreed-upon proposal dated July 24, 2025, between the Village of Paw Paw and Barr Engineering Michigan LLC (Barr; formerly doing business in Michigan as Barr Engineering Co.) regarding the Briggs Dam construction services project.

The scope of professional consulting services we will provide is modified as follows:

- Construction Observation – the original schedule assumed daily observations would be completed by Village staff and Barr would supplement by having an engineer visit once weekly for 19 weeks along with up to 13 visits by certain senior project team staff (i.e., Chris Toulouse and Brian Moynihan). To best support the project and the Village – and in consultation with the Village - Barr provided additional onsite time that included inspections for all concrete pours, onsite presence during subgrade structure findings, and full-time onsite observations during backfill of the retaining wall. Additionally, and for a variety of reasons, the construction schedule increased from 19 weeks to 36 weeks. The Barr team provided a consistent onsite presence far exceeding the original assumed observations.
- Turbidity Equipment Rental – the addition of turbidity monitoring equipment was added as a result of the permitting process. The original turbidity monitoring assumed rental of the equipment for 19 weeks. Due to the extended schedule of 36 weeks, Barr was required to rent and maintain the equipment, evaluate data generated by the monitoring equipment, and report exceedances to the Michigan Department of Environment, Great Lakes, and Energy (EGLE) for nearly twice the original estimated duration.
- FOIA Request Assistance – A Freedom of Information Act (FOIA) request was submitted to the Village during construction in relation to practices that were implemented for temporary management of materials derived from construction. Barr assisted the Village with responses to the FOIA request during the project, including providing support of residuals management requirements under Parts 201 (Environmental Remediation) and 111 (Solid Waste Management) of 1994 Michigan PA 451, as amended. Barr's efforts for this assistance were not anticipated as part of our original proposal.
- Additional Engineering to finalize Design and Permitting – Barr has worked with the Village since 2020 in relation to design of the replacement of the Briggs Dam spillway. The project was permitted and bid in 2025 allowing construction to begin in the summer 2025. Barr's budget was

exceeded and we currently have been holding approximately \$40,000 in unbilled work from the design, permitting, and bidding phases of work that occurred between the fall 2025 and spring 2026. As we have discussed with you and the Village previously, Barr has already written off \$76,765.09 of our services in relation to this matter in response to our commitment to the Village and our interest in moving the project forward. We propose to include the remaining unbilled work as part of the final construction closeout invoice.

The above summarized changes were required to support the Briggs Dam Spillway Replacement project due to additional efforts required during design, permitting, bidding, and construction. Specifically, the construction of the dam occurred over a longer duration requiring additional engineering support services. Barr is continuing to support the Village with project closeout activities that include documentation with EGLE to closeout the permitting, Record Drawings, and Construction Documentation Report that will be provided to the Village documenting construction of the new spillway. We propose to use previously authorized project contingency money to fund a significant portion of the activities outlined above and we estimate a total of \$28,000 of additional authorization will be necessary to complete the project.

The schedule for the services is modified as follows:

Substantial completion was expanded from 19 weeks to 36 weeks. Barr provided construction services for the work that occurred during this time period. Barr is currently working with the Village to close out the permit and document the work. The final completion date of Barr's work in relation to this matter is scheduled for July 31, 2026.

The current budget is \$410,300. The authorized cost for the revised scope of services is increased by \$28,000.

Item	Amount
Original Project Budget	\$343,000
Authorized Contingency	\$34,300
Prior Change Order (Turbidity Equipment Rental)	\$33,000
Current Contract Amount	\$410,300
Change Order 2 – Final Project Closeout	\$28,000
Revised Total Project Budget including Contract Amendment	\$438,300

If this Change Order to our Agreement is satisfactory, please sign the enclosed copy in the space provided, and return it to us. We appreciate the opportunity to be of service to the Village of Paw Paw and your consideration of this change. We look forward to a long continuing relationship with the Village.

Sincerely,

BARR ENGINEERING MICHIGAN LLC

By  _____
Its Vice President

Accepted this ____ day of _____, 2026

Village of Paw Paw

By _____

Its _____

Briggs Dam O&M Proposal

July 14, 2026

Bryan Myrkle
Village Manager
Village of Paw Paw, MI
111 East Michigan Avenue
Paw Paw, Michigan 49079

Re: Briggs Dam Operations and Maintenance Plan

Dear Mr. Myrkle:

On behalf of Barr Engineering Michigan LLC (Barr), thank you for the opportunity to submit this proposal to the Village of Paw Paw, Michigan. Barr proposes to provide engineering services to develop an Operations and Maintenance (O&M) Plan for Briggs Dam. Our understanding of the project, proposed scope of work, and schedule are described below.

Project understanding

In September 2024, staff from the Michigan Department of Environment, Great Lakes, and Energy (EGLE) conducted a dam safety inspection of Briggs Dam. Following the inspection, EGLE recommended that the Village develop an O&M Plan for the dam, noting that *"a proper O&M Plan will increase the dam's service life and maintain the dam's hydraulic and structural condition."* EGLE also requested that the Dam Safety Unit be provided with any current or future O&M Plans for Briggs Dam.

After EGLE's 2024 inspection, the existing spilltube auxiliary spillway was replaced with a fixed crest labyrinth weir designed by Barr. Construction of the labyrinth weir was completed in early 2026. The completed spillway modification provides a suitable milestone for developing an O&M Plan that both addresses EGLE's 2024 inspection request and documents the O&M requirements for the current dam configuration.

Following two dam failures in 2020, the Michigan Dam Safety Task Force, under direction of EGLE, completed a comprehensive review of the State of Michigan's Dam Safety Program. The Task Forces' findings led to proposed legislative changes to the EGLE Part 315 Dam Safety Rules. A version of these proposed changes was once again introduced in the 2026 Michigan legislative session under House Bill 5485. The proposed Dam Safety rules include explicit requirements for an O&M Plan and its contents, which the current rules do not. The proposed rules would require that an owner prepare and keep current an O&M Plan, submitted to EGLE Dam Safety for review, that includes:

- A description of the dam
- Contact information and responsibilities for the owner and owner's agents necessary to the operation of the dam
- An inspection schedule and checklist for routine owner inspections
- A description of operation procedures during normal and high flows
- A log of operation procedures during normal and high flows
- A description of maintenance procedures during normal and high flows

- A log of maintenance procedures during normal and high flows
- Contact information and notification procedures for upstream and downstream dam owners

Separately, the proposed rules would require that the owner prepare and keep current a Surveillance and Monitoring Plan that must include information necessary to evaluate probable failure modes of the dam and an assessment of surveillance and monitoring data with recommendations. The current rules have no requirement for a Surveillance and Monitoring Plan.

While the O&M Plan and Surveillance and Monitoring Plan would share some common elements under the proposed rules, the key difference is that the Surveillance and Monitoring Plan must address probable failure modes. A probable failure mode analysis would be included in the registration process that the proposed rules lay out for dam owners to demonstrate compliance with the new regulations. The registration process would also require a detailed evaluation of the dam's condition, design, operability, and potential risk-reduction measures. Therefore, a surveillance and monitoring plan could be developed efficiently alongside supporting analyses at the time of registration under the proposed rules, independently of the O&M plan being proposed currently.

Scope

The following sections describe the specific tasks proposed to develop an O&M Plan for the Briggs Dam.

Task 1 Review Meeting

Barr will organize a kickoff meeting with the Village of Paw Paw dam owner/operator staff to identify:

- Key staff and their responsibilities during normal and high flow conditions
- Current gate operations and objectives for water level management
- Other current O&M activities
- Any current data sources used for operations
- Any current documentation practices for O&M activities
- A suitable format for an inspection checklist, operations log, and maintenance log

Barr plans to complete Task 1 at the Village's office or at the dam site to review the objectives, background information, and preferred O&M approaches by Village staff.

Task 2 Hydraulic and Gate Operation Analysis

Barr will develop recommendations for the operation of the two primary spillway gates to achieve the water level management objectives discussed in Task 1. Maintenance and monitoring recommendations necessary for the successful operation of the gates will be developed under this task. Barr will develop:

- Recommendations for flow and/or water level monitoring, which may include references to the existing USGS stream gauge upstream of I-94 and/or installation of water level monitoring equipment at the dam
- A recommended schedule of O&M activities for the gates that is focused on maintaining their functionality and ability to be opened fully if required

- A maintenance plan for managing sediment upstream of the auxiliary and primary spillway, including gate operations for sediment flushing and acceptable height of sediment deposition before removal is required
- An operations plan for the gated spillway to provide guidance on gate operation during low, normal, and high flow events, including:
 - Operating band (water level or flow) for normal gate operations
 - Trigger water level or flow for fully open gate operations
 - Recommended gate opening height for at least three intermediate water level or flow conditions between normal operations and fully open gates
 - Recommended frequency of water level monitoring and gate adjustment field visits during high flow events

Task 3 Inspection and Log Template Development

Barr will develop an inspection checklist and forms to log O&M activities in a suitable format as discussed in Task 1. Under this task, Barr will:

- Compile standard inspection items for dams with embankments, concrete spillways, and gates
- Review previous Part 315 Dam Safety inspections of Briggs Dam to identify items that may require unique attention
- Develop a checklist for routine inspections and a recommended procedure to document inspection findings
- Develop a form to document operations under normal and high flow conditions, primarily focused on gate operations
- Develop a form to document maintenance activities under normal and high flow conditions

Task 4 O&M Plan Document Development

Barr will develop an O&M plan document that includes the gate operations recommendations from Task 2, the inspection checklist and O&M activities log from Task 3, and other O&M plan features required in the proposed Dam Safety Rules including a project description, operator contact information and responsibilities, and common maintenance activities.

Schedule

Barr will deliver a draft O&M plan within three months of the project start date. Assuming two weeks for Village review and two weeks for revisions, the total project duration would be four months.

Budget

Barr's estimated cost for providing engineering consulting services, as described above, is presented in the summary table below, which shows the estimated cost for each task. This cost is based upon Barr's 2026 fee schedule and the scope and schedule presented above. Our Lump Sum price for the outlined O&M Plan development is \$15,500, as shown in Table 1.

Table 1

Work Item	Estimated Cost
Task No. 1: Review Meeting	\$1,900
Task No. 2: Hydraulic and Gate Operations Analysis	\$3,000
Task No. 3: Inspection and Log Template Development	\$4,200
Task No. 4: O&M Plan Document Development	\$6,400
<i>Total Lump Sum Cost</i>	<i>\$15,500</i>

Assumptions

- The O&M Plan will be developed for the current dam configuration with all spillways operational
- Design of remote monitoring equipment installations, if recommended, is not included
- Development or updates to any Surveillance and Monitoring Plan, Safety and Security Plan, or Emergency Action Plan are not included
- Inspection and O&M log forms will be provided in a standard digital format such as a Microsoft Word or Excel document
- The kickoff meeting will include in-person attendance for one Barr staff member in Paw Paw, MI.
- We assume Village staff will be responsive to requests for information such as responsibilities, facility descriptions, contact information, etc.
- We assume one round of review from the Village

Thank you again for the opportunity to provide this proposal to develop an O&M plan for the Briggs Dam. Please reach out to Jon or Alex with any questions about this proposal.

Sincerely,



Jon Ausdemore, PE
Vice President
952-832-2611
JAusdemore@barr.com



Alex VanDeWeghe, EIT
Water Resources Engineer
734-922-4489
AVanDeWeghe@barr.com

Lounsbury Pay Request

Contractor's Application for Payment

Owner:	Village of Paw Paw	Owner's Project No.:	
Engineer:	Fleis & VandenBrink	Engineer's Project No.:	866291
Contractor:	Lounsbury Excavating, Inc.	Contractor's Project No.:	
Project:	Elm Street Utility and Street Improvements		

Application No.:	2	Application Date:	7/10/2026
Application Period:	From 6/1/2026 to 7/10/2026		

1 Original Contract Price	\$	534,021.00
2 Net change by Change Orders	\$	-
3 Current Contract Price (Line 1 + Line 2)	\$	534,021.00
4 Total Work completed and materials stored to date (Sum of Column G Lump Sum Total and Column J Unit Price Total)	\$	405,810.97
5 Withholding		
a. 10% X \$ 405,810.97 Retainage	\$	40,581.10
b. Total Withholding	\$	40,581.10
6 Amount eligible to date (Line 4 - Line 5.b)	\$	365,229.87
7 Less previous payments (Line 6 from prior application)	\$	101,518.70
8 Amount due this application	\$	263,711.17
9 Balance to finish, including retainage (Line 3 - Line 4)	\$	128,210.03

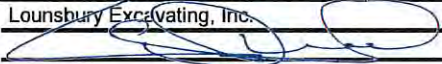
Contractor's Certification

The undersigned Contractor certifies, to the best of its knowledge, the following:

(1) All previous progress payments received from Owner on account of Work done under the Contract have been applied on account to discharge Contractor's legitimate obligations incurred in connection with the Work covered by prior Applications for Payment;

(2) Title to all Work, materials and equipment incorporated in said Work, or otherwise listed in or covered by this Application for Payment, will pass to Owner at time of payment free and clear of all liens, security interests, and encumbrances (except such as are covered by a bond acceptable to Owner indemnifying Owner against any such liens, security interest, or encumbrances); and

(3) All the Work covered by this Application for Payment is in accordance with the Contract Documents and is not defective.

Contractor:	Lounsbury Excavating, Inc.	
Signature:		Date: 7/13/2026

Recommended by Engineer

By:  Digitally signed by Matthew Johnson
DN: E=mjohnson@fveng.com,
CN=Matthew Johnson, OU=Kalamazoo,
OU=FV-UserComputers, DC=fveng,
DC=com
Reason: I am approving this document
Date: 2026.07.22 11:27:45-04'00'

Title: Matthew Johnson

Date:

Approved by Owner

By: _____

Title: _____

Date: _____

Progress Estimate - Unit Price Work						Contractor's Application for Payment	
Owner:	Village of Paw Paw					Owner's Project No.:	
Engineer:	Feltz & VandenBrink					Engineer's Project No.: 866791	
Contractor:	Lounsbury Excavating					Contractor's Project No.:	
Project:	Elm Street Utility and Street Improvements						
Contract:							
Application No.:	2	Application Period:	From	6/1/2026	to	7/10/2026	Application Date: 7/10/2026

A	B	C	D	E	F	G	H	I	J
Bid Item No.	Description	Contract Information				Work Completed		Materials Currently Stored (not in G) (\$)	Work Completed and Materials Stored to Date (H + I) (\$)
		Item Quantity	Units	Unit Price (\$)	Value of Bid Item (C X E) (\$)	Estimated Quantity Incorporated in the Work	Value of Work Completed to Date (\$)		
Original Contract									
1	General Conditions, Bonds and Insurance, Max 10%	1	Lsum	\$ 29,835.25	\$ 29,835.25	0.75	\$22,376.44		\$22,376.44
2	Cold Milling HMA Pavement	5460	SYd	\$ 1.80	\$ 9,828.00	4,718.60	\$8,493.48		\$8,493.48
3	Pavt, Rem	3890	SYd	\$ 2.15	\$ 8,363.50	3,104.68	\$6,675.06		\$6,675.06
4	Curb & Gutter, Rem	180	Lft	\$ 13.75	\$ 2,475.00	184.50	\$2,536.88		\$2,536.88
5	HMA Overlay, Rem	1400	Lft	\$ 2.40	\$ 3,360.00	0.00	\$0.00		\$0.00
6	Sidewalk, Conc, Rem	400	SYd	\$ 10.25	\$ 4,100.00	288.74	\$2,959.59		\$2,959.59
7	Driveway, HMA, 3 Inch	80	SYd	\$ 59.25	\$ 4,740.00	0.00	\$0.00		\$0.00
8	Driveway, Non-Reinforced Conc, 6 Inch	10	SYd	\$ 67.00	\$ 670.00	0.00	\$0.00		\$0.00
9	Aggregate Base, Conditioning	2500	SYd	\$ 3.00	\$ 7,500.00	2,062.30	\$6,186.90		\$6,186.90
10	Aggregate Base, Repair	100	Cyd	\$ 52.85	\$ 5,285.00	0.00	\$0.00		\$0.00
11	HMA, 4EL	1380	Ton	\$ 92.00	\$ 126,960.00	1,327.35	\$122,116.20		\$122,116.20
12	HMA, Hand Patching	100	SYd	\$ 42.00	\$ 4,200.00	0.00	\$0.00		\$0.00
13	HMA, Spillway	6	SYd	\$ 119.00	\$ 714.00	0.00	\$0.00		\$0.00
14	CI II, Shld	50	Ton	\$ 55.00	\$ 2,750.00	0.00	\$0.00		\$0.00
15	DR Structure Cover, Adj, Case 1	10	Ea	\$ 392.00	\$ 3,920.00	0.00	\$0.00		\$0.00
16	Sanitary Structure Cover, Adj, Case 1	6	Ea	\$ 345.00	\$ 2,070.00	5.00	\$1,725.00		\$1,725.00
17	Dr Structure Cover, Type B	1	Ea	\$ 1,219.00	\$ 1,219.00	0.00	\$0.00		\$0.00
18	Dr Structure Cover, Type C	10	Ea	\$ 1,430.00	\$ 14,300.00	7.00	\$10,010.00		\$10,010.00
19	Dr Structure Cover, Type Q	6	Ea	\$ 1,020.00	\$ 6,120.00	4.00	\$4,080.00		\$4,080.00
20	Erosion Control, Inlet Protection, Fabric Drop	24	Ea	\$ 114.75	\$ 2,754.00	11.00	\$1,262.25		\$1,262.25
21	Curb Ramp, Conc, Open	180	Lft	\$ 44.25	\$ 7,965.00	180.00	\$7,080.00		\$7,080.00
22	Curb & Gutter, Conc, Det, D2	380	Lft	\$ 44.25	\$ 16,815.00	278.00	\$12,301.50		\$12,301.50
23	Curb & Gutter, Conc, Det, F4	110	Lft	\$ 44.25	\$ 4,867.50	124.50	\$5,509.13		\$5,509.13
24	Curb & Gutter, Conc, Det, E4	25	Lft	\$ 46.25	\$ 1,206.25	37.20	\$1,794.90		\$1,794.90
25	Subbase, CIP	310	Cyd	\$ 92.00	\$ 9,920.00	9.90	\$297.60		\$297.60
26	Curb Ramp, Conc, 4 Inch	850	Sft	\$ 10.30	\$ 8,755.00	1,807.00	\$18,612.10		\$18,612.10
27	Curb Ramp, Conc, 6 Inch	1200	Sft	\$ 11.45	\$ 13,740.00	1,187.40	\$13,595.73		\$13,595.73
28	Detectable Warning Surface	150	Lft	\$ 121.45	\$ 18,217.50	150.00	\$18,217.50		\$18,217.50
29	Minor Traffic Devices	1	Lsum	\$ 8,645.00	\$ 8,645.00	0.80	\$6,916.00		\$6,916.00
30	Plastic Drum, High Intensity, Furn	20	Ea	\$ 21.40	\$ 428.00	20.00	\$428.00		\$428.00
31	Plastic Drum, High Intensity, Oper	20	Ea	\$ 1.20	\$ 24.00	20.00	\$24.00		\$24.00
32	Barricade, Type II, High Intensity, Double Sided, Lighted, Furn	20	Ea	\$ 73.55	\$ 1,471.00	18.00	\$1,323.90		\$1,323.90
33	Sign, Type B, Temp, Prismatic, Furn	360	Sft	\$ 9.50	\$ 3,420.00	407.75	\$3,873.72		\$3,873.72

A	B	C	D	E	F	G	H	I	J
Bid Item No.	Description	Contract Information				Work Completed		Materials Currently Stored (not in G) (\$)	Work Completed and Materials Stored to Date (H + I) (\$)
		Item Quantity	Units	Unit Price (\$)	Value of Bid Item (C X E) (\$)	Estimated Quantity Incorporated in the Work	Value of Work Completed to Date (\$)		
34	Sign, Type B, Temp, Prismatic, Oper	360	Sft	\$ 0.30	\$ 108.00	407.76	\$122.33		\$122.33
35	Turf Establishment	2000	Syd	\$ 16.80	\$ 33,600.00	0.00	\$0.00		\$0.00
36	Aggregate Base, 8 Inch	1010	Syd	\$ 12.75	\$ 12,877.50	1,042.80	\$13,295.70		\$13,295.70
37	Concrete, Pavement, Non-Reinforced, 8 Inch	240	Sft	\$ 94.85	\$ 22,764.00	0.00	\$0.00		\$0.00
38	Driveway Maintenance, Residential	4	Ea	\$ 913.00	\$ 3,652.00	0.00	\$0.00		\$0.00
39	Driveway Maintenance, Commercial	1	Ea	\$ 1,460.00	\$ 1,460.00	0.00	\$0.00		\$0.00
40	Water Main, 6 Inch	510	Lft	\$ 78.25	\$ 39,907.50	488.50	\$38,225.13		\$38,225.13
41	Water Main, Bend, 45 Deg, 6 Inch	4	Ea	\$ 932.25	\$ 3,729.00	4.00	\$3,729.00		\$3,729.00
42	Water Main, Cut & Cap, 2 Inch	4	Ea	\$ 915.50	\$ 3,678.00	4.00	\$3,678.00		\$3,678.00
43	Tapping Sleeve & Valve, 6" X 6" Inch	2	Ea	\$ 8,647.00	\$ 17,694.00	2.00	\$17,694.00		\$17,694.00
44	Corporation, 1 Inch	6	Ea	\$ 714.00	\$ 4,284.00	6.00	\$4,284.00		\$4,284.00
45	Water Service, 1 Inch	200	Lft	\$ 120.00	\$ 24,000.00	178.00	\$21,360.00		\$21,360.00
46	Water Service, Reconnect	6	Ea	\$ 787.00	\$ 4,722.00	6.00	\$4,722.00		\$4,722.00
47	Valve Box, Rem	2	Ea	\$ 221.50	\$ 449.00	0.00	\$0.00		\$0.00
48	Valve Box, Adj.	5	Ea	\$ 775.00	\$ 3,875.00	0.00	\$0.00		\$0.00
49	Sanitary Sewer, Insulation, 2 Inch XPS Board	10	Syd	\$ 52.50	\$ 525.00	0.00	\$0.00		\$0.00
50	Storm Sewer, Reconnect	6	Ea	\$ 754.00	\$ 4,524.00	14.00	\$10,556.00		\$10,556.00
51	Storm Sewer, 6 Inch	15	Lft	\$ 75.25	\$ 1,128.75	32.00	\$2,408.00		\$2,408.00
52	Storm Sewer, 8 Inch	15	Lft	\$ 84.75	\$ 1,271.25	8.00	\$678.00		\$678.00
53	Storm Sewer, 10 Inch	15	Lft	\$ 97.50	\$ 1,462.50	16.00	\$1,560.00		\$1,560.00
54	Sewer, Rem, Less than 24"	50	Lft	\$ 75.50	\$ 3,775.00	0.00	\$0.00		\$0.00
55	Pedestrian Barricade	8	Ea	\$ 23.75	\$ 190.00	0.00	\$0.00		\$0.00
56	Cash Allowance	5000	Dollars	\$ 1.00	\$ 5,000.00	0.00	\$0.00		\$0.00
57	Excavation, Exploratory	200	Cyd	\$ 3.00	\$ 600.00	0.00	\$0.00		\$0.00
58	Trench Undercutting and Backfill	50	Cyd	\$ 54.25	\$ 2,712.50	0.00	\$0.00		\$0.00
Original Contract Totals					\$534,021.00		\$400,708.04		\$400,708.04
Change Orders									
37	Concrete, Pavement, Non-Reinforced, 8 Inch	-240	Sft	\$94.85	\$-22,764.00	0.00	\$0.00		\$0.00
CD1-1	Concrete, Pavement, Non-Reinforced, 8 Inch	240	Syd	\$94.85	\$22,764.00	53.80	\$5,102.93		\$5,102.93
Change Order Total					\$0.00		\$5,102.93		\$5,102.93
Original Contract and Change Orders					\$534,021.00		\$405,810.97		\$405,810.97
Project Totals									

AMI Proposal

Village of Paw Paw MICHIGAN

Memorandum

To: Village Council
From: Bryan Myrkle, Village Manager
Re: AMI Proposal
Date: July 24, 2026

Background

As Council members know, the Village has been working toward the purchase and installation of new, advanced meters for our electric system. Advanced meters will have many benefits to both the Village itself, and also our customers. This has been previously discussed at length, so I won't repeat everything in this memo. However, to highlight a few items: This type of metering will allow for remote shut-offs and turn-ons, thereby reducing staff time associated with this activity; it will reduce staff time associated with meter reading, it will provide more detailed user data for customers, it will provide for real-time monitoring of system status (i.e. we will know more about outages than we can tell currently), and it will help reduce 'leakage' or 'electrical loss' associated with aging meters.

With all that in mind, the primary reason we are recommending a specific system, Tantalus, is because these electric meters will also read our existing water meters, creating a seamless metering system for our entire utility enterprise.

At Council's direction, Village staff visited Chelsea, MI which currently uses the system we are recommending and determined that they are very happy with the system, and it is producing the benefits we envision for our own system. We also released a Request for Proposals to ensure that there are not other systems or providers that can accomplish our goals for a lower price. You have also previously had a presentation on Tantalus from the vendor at one of your meetings.

The Village received two responses to its RFP, one from Wesco, the vendor for Tantalus; and one from Vision meters. While the Vision meter proposal is, in fact, cheaper than Tantalus, it does not meet our

requirements and cannot be considered responsive to our request. The primary fault with the Vision proposal is that the Vision electric meters will not read our Itron water meters. We confirmed this directly with Itron. In order to accomplish our goals, the installation of Vision meters would also require the installation of new water meters throughout the system, which would push the expense well beyond the cost of the Tantalus system.

I am including in your packet the entire proposal from Wesco for Tantalus, as well as notes from DPS Director Tim Brandys.

I have added it to the agenda for action on Monday because we would like to undertake this project during the current fiscal year. However, as you review the materials, if questions arise we will take the time necessary to gather the information you are looking for.

Recommendation

Consider purchase of Tantalus system from Wesco.



07/15/2026

Review of Tantalus Metering

AMI Quote

Bryan,

In looking through the quote for Tantalus, it appears that they have provided a complete quote for the system.

Reviews from current users:

On 03/10/2026 I had spoken with the Auburn City Electric Department in Indiana. I found their information after a google search showed that they were using the Tantalus system. The lady that I spoke with did not know if this was used for water or just electric. She told me that the meters on average lasted 10 years and that Tantalus provided great customer service, they buy their replacement meters from Dan Cothorn.

I asked her about any comments or concerns that she had, and she said that there have been no issues in the 5 years she has been there, and the system was in place before she started. She did say that when the trees start growing leaves it can slow down the meters as the line of sight is not quite there. She did say that the annual fees seem like a lot but also indicated that these systems all have annual fees.

She liked the features of Tantalus; she said that she had a customer come in to complain about high usage and she was able to pull up the information and show the lady where the outside temperature had fallen and her electric usage began to rise due to the cold weather. She made a great comment that people will say that they didn't change anything and their power went up, they do not think about changes outside that can affect usage like extreme cold or heat. The recommended the system.

She said that it was helpful for outages, she had a no power call, and they looked at the Tantalus screen, and it showed that the meter was still communicating and the issue was actually inside the building.

They did not install the customer portal, they just show their screen to their customers if they have questions, concerns or complaints.

I spoke with Chuck Stevens from Chelsea, they use the Tantalus system, and they like the system, they also said the customer service was great. They did have an issue with the system working with their BS&A billing software, they had to write a program to work with BS&A and it is good now. We visited Chelsea and the screen layout was very good, and you were able to see a lot of valuable information. Chelsea would recommend this system.

I had a follow up call (7-16-26) with Josh Krajniak from Escanaba Electric, they use Tantalus with Itron meters. Josh said when they were looking for a system, they had it narrowed down to Tantalus and Vision, they ended up going with Tantalus as they thought it would be the better system to use with their Itron water meters and he said that they pick up very well. He did say that this is a mesh network and that helps with picking up reads. He said that these meters store data for 14 months compared to the 6 months at Vision. Josh did say that they have over 13,000 customers and their crew were installing their meters, he said that they had about 12 meters that did not work and had to be replaced. They have been working on installing these for about 3 years.

I spoke with Skip Schaller from Monett, MO, they have had the Vision system for the past 2-3 years. Skip said that it has been a disaster, they have issues with the electric meters not reading, and they do not read their Itron water meters. He said that their meters do not receive updates and they were told by Vision that they would need to send the meters in to have them updated. When they initially decided to go to an AMI metering system, they had it down to Tantalus and Vision, he chose to go with Vision as the price was cheaper, he regrets that decision. He said that his crew is spending a lot of time trying to get this system to work and they have made the decision to scrap the Vision meters, and they are now moving to Tantalus.

I spoke with John Sprnghall from the Coldwater Board of Public Utilities on 03/10/2026. They use the Tantalus system to read their electric and their Itron water meters. They have had this system in place since 2017 and have no complaints. They said they work well and there is great customer service. They recommended this system.

My thoughts:

When I started at Paw Paw I was tasked with finding a solution to read our electric and water meters for billing purposes. In my research, I spoke with several AMI companies. These companies wanted to sell us a system that would read electric and give a lot of valuable info on electric usage. They could offer a way to read the water, but you would have limited water meter information, it was almost like an afterthought to read the water usages. We would have been required to change out our current water meters.

I called Itron to see what they recommended that would work with our existing Itron water meters. Their response (at that time) was that the Tantalus system was the only system that was available to work with our current setup. They said Tantalus was the closest thing to our current system that was available. I have spoken with different municipalities that use the Tantalus system to read their electric and their Itron water meters and they have all said it was a very good system. There are also some municipalities that just use this for electric, and they said it is good.

I realize that the Tantalus system costs a lot more than the Vision AMI system, but I feel that we will get a better system that will actually work. I feel that we will be wasting time and money with the Vision system as I do not believe it will perform the tasks, we need it to, and we will be stuck with an expensive system that does not work. If you add the replacement costs for new Erts, Encoders, and installation labor we will not be saving anything.

Respectfully submitted,

Tim Brandys

Director of Public Services

Village of Paw Paw

Timothy Brandys

From: Itron Support INA <support@itron.com>
Sent: Wednesday, July 15, 2026 6:09 PM
To: Timothy Brandys
Subject: Itron SR# 01758971: TEM - Are Vision meters supported? [ref:!00D200CuB.!500Tf0cuoYx:ref]

CAUTION: This email originated from outside the Village of Paw Paw. Maintain caution when opening external links/attachments

Hello Tim,

Thank you for calling Itron Support with this question. I was not able to call you before the end of your day and I am sending an e-mail instead.

We periodically get calls from customers asking about Itron compatibility with Vision Metering. There has been no Itron testing or development with Vision and we do not support this.

There are Itron options. I have asked for your Account Manager to contact you to discuss these. If you have not heard from them within a week or if you do not get the information that you need -please let me know.

Thanks,

Brad Rivera
Sr. Principal Technical Support Engineer
Technical Support Services
877-Itron02 (877-487-6602), option #2

Email: support@itron.com



ref:!00D200CuB.!500Tf0cuoYx:ref





Response to



Village of Paw Paw, Michigan
Request for Proposals –
Advanced Metering Infrastructure

July 9, 2026



Village of Paw Paw, MI
111 E. Michigan Ave. P.O. Box 179
Paw Paw, MI 49079
Village Manger – Bryan Myrkle – b.myrkle@pawpaw.net
Department of Public Services Director – Tim Brandys – t.brandys@pawpaw.net

Subject: Request for Proposal - Advanced Metering Infrastructure

Dear Bryan & Tim,

We appreciate the opportunity to respond to the Village of Paw Paw's AMI Request for Proposal – Advanced Metering Infrastructure Solution. After closely reviewing the RFP, we are confident we can provide a solution that aligns with the Paw Paw's system requirements. Our proposed solution, partnering with Tantalus, will provide highly scalable and flexible solutions that meet the current and future needs of your customers. Wesco is proposing the use of the Tantalus' AMI System along with our installation services.

Tantalus is a technology company dedicated to helping utilities modernize their distribution grids by harnessing the power of data across all their devices and systems deployed throughout the entire distribution grid – from the substation to the EV charger behind the meter. The AMI system offers smart grid solutions across multiple levels: intelligent connected devices, communications networks, data management, enterprise applications, and analytics. The Tantalus AMI modules will be housed in Itron electric meters. Itron and Tantalus have a long well-established relationship, and Wesco has delivered several of the systems to utilities like yours.

Wesco believes it takes solid companies working together as true partners to drive continuous improvement and create businesses that can thrive. This important project with the backing and management of Wesco, a Fortune 500 company with over 22 billion in annual sales, will make sure your project is a success. We look forward to further discussions regarding our proposal and service capabilities, as well as the value we can continue to provide to Paw Paw through this AMI solution and our services. Please don't hesitate to contact us for clarification or additional information. Thank you again for this opportunity.

Account Contacts:

Dan Cothern
Specialist – Technical Sales
217.273.5992 | dan.cothern@wescodist.com

Tracy Mercy
Sales Manager – IN/MI
517.301.1671 | tracy.mercy@wescodist.com

Regards,

A handwritten signature in black ink, appearing to read 'H. Nucci', written over a horizontal line.

Hernan Nucci
Vice President, Utility Technology Solutions
(954) 651-0066
hernan.nucci@wescodist.com

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All New Meters

Village of Paw Paw MI

Wesco Tantalus Proposal - Full Deployment Disconnect Meter - Hosted Database

TRUConnect Equipment and Services		All New Meters		
TRUConnect WAN/LAN Equipment		Quantity	Unit Price	Ext. Price
RT-4250 TRUSense Gateway		17	\$ 770.00	\$ 13,090.00
DT-116 Centron Reset Key		1	\$ 45.00	\$ 45.00
DT-410-BUN Programming Kit		1	\$ 2,950.00	\$ 2,950.00
TRUConnect Infrastructure Sub Total				\$ 16,085.00
TRUEdge Endpoint				
TC-1216 Tantalus Single Phase Module - Itron		0	\$ 95.00	\$ -
TC-1220RD Tantalus Single Phase Remote Disconnect Module - Itron		2000	\$ 102.00	\$ 204,000.00
PP-1320 Tantalus Poly Phase Module - Itron CP3		100	\$ 272.00	\$ 27,200.00
Endpoint and Meter Sub Total				\$ 231,200.00
TRUConnect Server & Software				
SV-4001 TRUConnect Database Hosting Setup Fee + First year hosting		1	\$ 6,000.00	\$ 6,000.00
TCC-2001 TRUConnect Insight Head End Software		1	\$ 50,000.00	\$ 50,000.00
SV-8002 TRUConnect Data Plan 200MB Setup Fee + First year data plan		17	\$ 140.00	\$ 2,380.00
TXG-SW01 TRUSense Head End SW License Per Unit - Tantalus AMI Customer		17	\$ 75.00	\$ 1,275.00
NSE-201 TRUConnect Software License - per Endpoint		2,100	\$ 4.50	\$ 9,450.00
NSE-400 TRUScan - Itron Electric ERT Reading - One Time		-	\$ 2.50	\$ -
NSE-420 TRUScan - Itron Water ERT Reading - One Time		1,800	\$ 2.50	\$ 4,500.00
TAL-601-1 TRUConnect Application License - Consumption Alarms		1	\$ 4,500.00	\$ 4,500.00
Server and Software Total				\$ 78,105.00
TRUConnect System Services				
SV-1000 Deployment Services		1	\$ 80,000.00	\$ 80,000.00
-Project engineering, training, project mgt, system design, deployment prep				
-Database configuration, set up, and commissioning.				
-Billing integration.				
-Travel and Travel Expenses included.				
TRUConnect System Services Sub Total				\$ 80,000.00
TRUConnect Equipment and Services - Grand Total				\$ 405,390.00
Itron Electric Meters		Quantity	Unit Price	Ext. Price
Itron C2SXD 2S CL200 240V w/ Disconnect		2000	\$118.00	\$236,000.00
Itron CP3SLV Poly Phase, any Form		100	\$325.00	\$32,500.00
Above Tantalus Modules Installed at Itron Factory in Oconee, SC				
Itron Electric Meter - Grand Total				\$ 268,500.00
Electric Meter Install		Quantity	Unit Price	Ext. Price
Software Setup and Mobilization		1	\$12,500.00	\$12,500.00
Single Phase Meter Install 240V & below		2000	\$26.90	\$53,800.00
Three Phase Self-Contained, Transformer Rated, & Single-Phase Transformer-Rated Meter Install		100	\$74.35	\$7,435.00
***Optional - Transformer Rated Meter Site Analysis with CT and Wring Check (added to installation price)		100	\$45.00	\$4,500.00
TFG Socket Based Installation - 2S 240V & 12S 120V, Includes Meter Installation		17	\$185.00	\$3,145.00
Itron Electric Meter - Grand Total				\$ 81,380.00
TRUConnect Project Grand Total				\$ 755,270.00



TRUConnect System Annual Fees - Starting Year 2 of Deployment	Tantalus Annual Fees			
SV-4001 TRUConnect Database Hosting	1	\$	5,040.00	\$ 5,040.00
SV-8002 TRUConnect Data Plan 200MB - Year 1 Only	17	\$	108.00	\$ 1,836.00
TRUConnect Annual Maintenance	1	\$	9,386.36	\$ 9,386.36
SL-2001 TRUConnect Technical Support - Standard	1	\$	6,950.00	\$ 6,950.00
Additional products / features added to the system may increase support costs. Premium Level Support is available for an additional fee.				
GRAND TOTAL - TRUConnect System Annual Fees - Year 2 and Beyond				\$ 23,212.36

Optional Utility Hawk Customer Portal	Utility Hawk Portal Annual Fees			
Customer Portal Set Up Fee - One Time	1	\$	7,488.00	\$ 7,488.00
SV-1000 Tantalus Services - One Time	1	\$	5,400.00	\$ 5,400.00
Customer Portal Annual Fee - Add to Annual Fees Above	1	\$	10,998.00	\$ 10,998.00
Grand Total - Utility Hawk Customer Portal				\$ 23,886.00

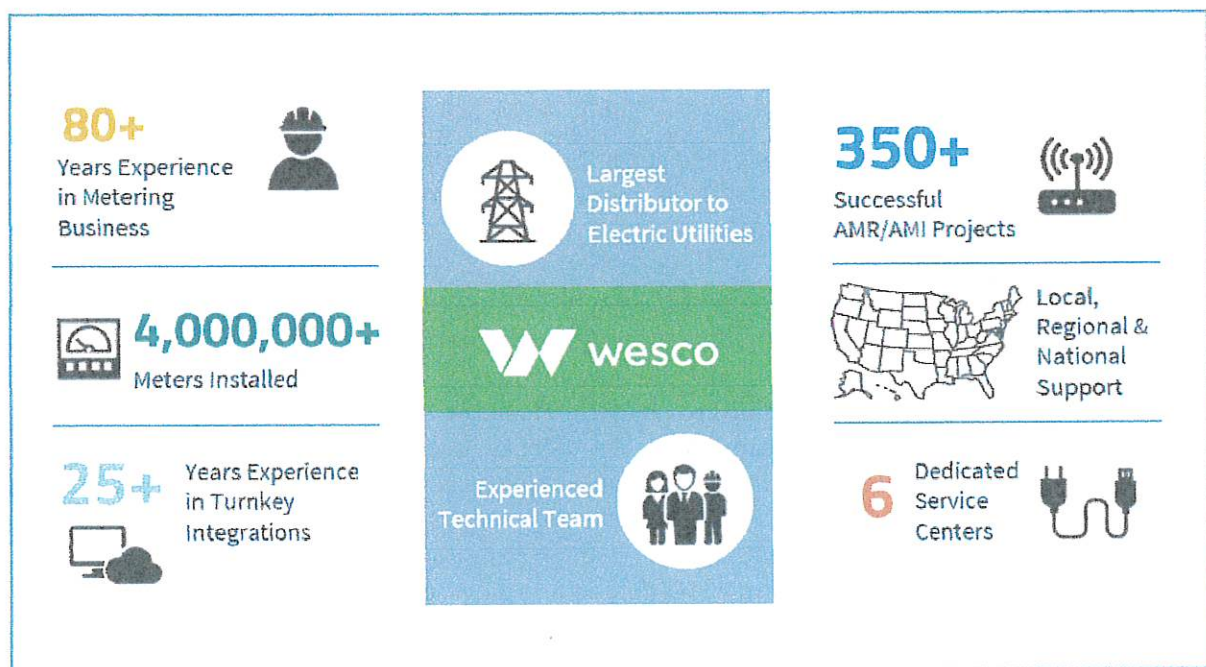
Pricing Notes & Assumptions:

- The pricing provided is limited to the equipment, software and services as proposed in this offer. Changes to quantities, deal structure or third-party partners that are part of this proposal may change the prices contained in this offer.
- Prices quoted for Tantalus' Network Equipment and Services may contain allowances, discounts and/or promotional pricing which are available for a period of 90 days from the date of bid opening. Price does not include shipping. All products are shipped FOB Shipping Point.
- Final performance criteria and any associated guarantees will be included in the final contract and are contingent upon installation of equipment and deployment per the final AMI network design and in accordance with Tantalus' specifications. Regardless of the party performing the installation, it is the responsibility of the Utility to provide utility specific information that may have an impact on the final design and/or performance criteria
- The standard warranty terms and conditions set forth in Tantalus' Network Systems Agreement (NSA) apply unless otherwise expressly agreed to by Tantalus in the final contract.
- Acceptance terms shall be discussed, mutually agreed to and set forth in the final contract, including without limitation those terms associated with acceptance of delivery, transfer of title, invoicing, etc.
- Final commitments shall be exclusive of failures resulting from the acts, omissions or performance of systems, services or networks provided by third parties or not otherwise within the control of Tantalus; and contingent upon the Customer's taking commercially reasonable actions in connection with maintaining the system, including, without limitation, entering into and complying with the terms of End User License Agreement and Technical
- Pricing includes all of work, if any component is split, Tantalus reserves the right to reprice. Additional or incremental functionalities are subject to additional fees.
- Tantalus service time will be billed at actual. If additional days are necessary, Customer will be billed at Tantalus' then-current daily rate.
- A minimum lead time of [TBD] days is required on all Purchase Orders.
- Integration to existing vendor supported interfaces are included in the Deployment Services – Custom services, including custom integration(s) with third party applications that are not existing vendor supported interfaces.
- Annual System Support is available in both Premium and Standard levels. Premium level support is subject to an additional cost of \$15,000.00 at the time of such election.
- Optional Equipment/Services may be subject to additional terms and conditions, including without limitation those related to use of the software.
- If applicable, water meters encoder registers, connectors, RF endpoint and thru the lid antenna pricing is estimated and not included in the total cost.
- Shipping costs will be added at invoice time at actual price
- Tariff charges will be added at invoice time at actual price
- [Wesco Standard Terms and Conditions apply. For the latest terms and conditions, please visit: www.wesco.com/termsandsale](http://www.wesco.com/termsandsale)

Executive Summary

Wesco Metering Executive Summary

Wesco Metering Services has over 80 years of experience in the metering industry, including 25 years of providing full turnkey AMR and AMI installation and integration solutions. Wesco has a group of 60+ associates solely trained for Automation and Metering Projects in the utility market. Our comprehensive metering capabilities, expertise, and resources, coupled with the financial strength of Wesco allow us to simultaneously manage multiple AMR and AMI projects. We have a nationwide footprint with a strategic focus on the metering and automation market. Below is a visual representation of our experience and quantities of meters installed:



Project Management

Wesco provides a dedicated Project Manager assigned to the project from beginning to end, who employs a Comprehensive, Focused, and Proactive project management methodology.

Comprehensive

The Wesco project manager provides overall coordination with the customer, contractors, vendors, and all other parties required in the matter of project delivery and execution.

The project manager provides support throughout the planning, build, and deployment phases, providing logistical continuity for the project duration. This includes the creation and maintenance of a master project schedule, addressing general questions and concerns, and providing overall program facilitation. From tracking initial deliveries of equipment to arranging training sessions and workshops, and everything in-between.

Focused

Wesco hosts recurring meetings as agreed to with the project team to coordinate activities between the parties, both remotely and on-site, to include status reporting of the overall project progress, addressing issues as they arise, and tracking outstanding action items.

Proactive

The Wesco project management methodology is forward-looking, providing continuous evaluation of tasking over the horizon to ensure appropriate teams are aware and prepared for upcoming activities. The project manager will work with the team to create efficient paths of communication between the parties for all matters of the project, including prioritization and routing of communication requests for technical or programmatic inquiries to the appropriate personnel. The project manager's role is also to ensure each party is aware of current and future responsibilities, and associated timeframes per the project schedule, to facilitate timely project execution.

Tantalus Overview

Tantalus was founded in 1989 as a privately held consulting company providing turnkey product engineering services to other manufacturing companies in the wireless communications, security, and industrial computing markets.

Today, Tantalus is a technology company that has helped more than 325 public power and electric cooperative utilities modernize their distribution grids through a data-centric approach.

We deliver solutions that enable utilities to harness data to improve visibility, command, and control across the entire distribution grid, from substations to devices behind the meter. We call this Unified Intelligence, ensuring actionable information is accessible wherever needed, across any device, application, or system. Ultimately, everything we do is purpose-driven to support utilities and the communities they serve in the most proven and cost-effective way.

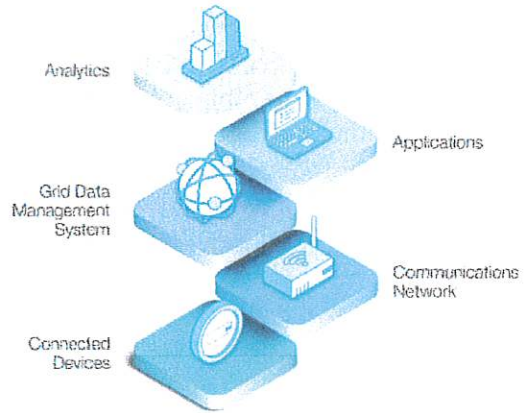
The Tantalus Grid Modernization Platform™ (TGMP™) is a technology architecture that provides a secure, flexible, and affordable path to grid modernization, grounded in our data-centric approach. It delivers true data interoperability across devices, systems, and vendors, and has delivered real-world results since its January 2024 launch.

Utilities choose Tantalus as their long-term grid modernization partner because of the highly differentiated value we provide:

- Itron ERT Reading – Tantalus believes that we are the only vendor that has a current, approved ERT reading agreement. That agreement was just renewed in 2026. This agreement has been in place for over a decade. No vendor has more experience or success with ERT reading capabilities. We have full access to all message sets (SCM, SCM+, and NIM) allowing Tantalus to access the maximum functionality on the Itron ERT technology platform.
- Tantalus allows your utility to keep all water meters and ERTs in place without needing to access or touch them going forward.
- Meet all of the requirements of the RFP:
 - Eliminate manual and estimated reads

- Remote Disconnect and reconnect
- Outage Management with a system map
- Optional customer portal
- Reduce unmetered power delivery
- Integration with BS&A billing system as done with other utilities in MI
- Flexibility for system growth and expansion in response to future property development
- Time Base Rates (TOU) supported on single phase meters. Poly phase TOU will be available in the future.
- Future expansion into Load Management by adding our Load Management Receivers when / if needed at any point in the future.

TGMP offers a set of solutions across five layers that can be used separately or together and are designed to work with other devices, systems, and vendors.



- Solutions that are modular and interoperable, enabling utilities to modernize at their own pace without vendor lock-in.
- A data-centric approach to grid modernization that delivers Unified Intelligence and helps utilities achieve the six mission-critical outcomes of grid modernization: Resiliency, reliability, flexibility, affordability, sustainability, and security.
- World-class and tailored customer support that meets utilities where they are in their distribution grid modernization
- Unparalleled client collaboration and input into our product roadmaps

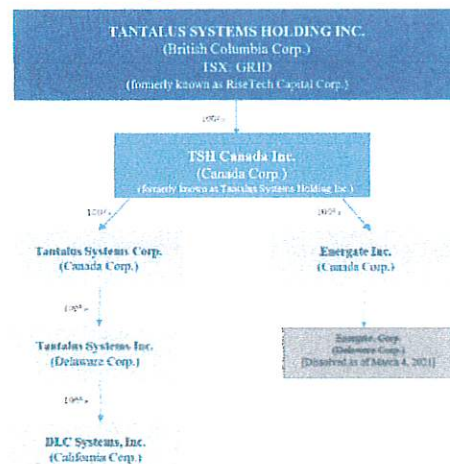
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Norwalk,

Tantalus is proud of the inclusive ecosystem of [Partnerships and Alliances](#) we've built, enabling our customers to shape how their smart grid evolves. Visit our website for more information on what sets us apart in helping utilities modernize their distribution grids.

- Meet our [Executive Leadership Team](#)
- Access our latest [Financial Information](#)
- Learn about the [Tantalus Community](#) for technical support
- Read about [utilities that are working with Tantalus](#) to achieve greater operational efficiencies to serve their communities better
- Tantalus Systems Holding Inc. is a public company listed on the Toronto Stock Exchange (TSX) under the symbol "[GRID](#)" and on the OTCQX® Best Market (OTCQX) under the symbol "[TGMPE](#)."
- Tantalus Systems Inc. was incorporated in the state of Delaware - FEIN# 27-2627723



*Tantalus supports the APPA, which is the voice of
community-owned utilities like yours.*

Technical Response

TRUConnect™ AMI Overview

The TRUConnect™ Advanced Metering Infrastructure (AMI) solution is a core component of the Tantalus Grid Modernization Platform™ (TGMP™) and plays a critical role in helping utilities achieve Unified Intelligence across their distribution grids. Built on a data-centric architecture, TRUConnect AMI delivers the right data from the right device at the right time to the right application—regardless of vendor, protocol, or system. TRUConnect AMI is a multi-commodity, purpose-built industrial IoT AMI network composed of advanced smart meters, intelligent connected devices, and edge-computing modules. It provides utilities with granular visibility, command, and control across the distribution grid—from substations to devices located behind the meter.

By helping utilities unlock Unified Intelligence, TRUConnect AMI empowers delivery of the six mission-critical outcomes defined by the DOE:

- Resiliency
- Reliability
- Flexibility
- Affordability
- Security
- Sustainability

TRUConnect AMI enables utilities to coordinate operations, manage costs, support DER adoption, and deliver better service to the communities they serve—all while maintaining interoperability, minimizing integration risk, and avoiding vendor lock-in.

TRUConnect AMI: A Differentiated, Data-Centric Approach

TRUConnect AMI is engineered to help utilities evolve at their own pace while maximizing existing infrastructure investments through:

1. Meter Interoperability

Support for a wide range of electric, water, and gas meters—eliminating dependence on a single vendor and reducing the risk of stranded assets.

2. Multi-Commodity Integration (TRUScan™)

TRUScan™ technology enables seamless integration of third-party AMR protocols (including various ERTs and MIUs), transforming legacy one-way AMR systems into next-generation AMI architectures without requiring immediate system replacements.

3. Reverse Compatibility

The Tantalus system-on-chip and TRUConnect Edge devices deliver cross-generation compatibility, ensuring investments made today will continue to support future technologies.

4. Flexible Networking

The Network supports multiple WAN backhaul options (fiber, cellular, RF, Wi-Fi, WiMAX, etc.) and flexible migration paths as utilities modernize communications infrastructure.

5. TRUSense Gateway™ Visibility & BTM Control

The TRUSense Gateway™ provides substation-grade power quality measurement at the meter socket, enabling:

- Early detection of stressed assets
- Precise power quality analytics
- Command and control of DERs and smart devices
- Utility-dedicated Wi-Fi and HomePlug connectivity

6. Unified Data Management with TRUSync™

TRUSync™ Grid Data Management provides true data interoperability across any device, system, or vendor—creating a single version of the truth across OT and IT environments.

Components of the TRUConnect AMI Solution

1. TRUConnect Network

A robust, scalable AMI communications network using “right-sized” infrastructure components to maximize performance in rural, suburban, and urban deployments.

Key components include:

- TRUSense Gateway™ — meter-socket-based computing and communications platform
- VersaComms Gateway™ (VC) — pole-mounted WAN/LAN gateway supporting multiple backhaul technologies
- TRUConnect Edge™ modules — embedded intelligence within meters, DA devices, load control switches, streetlights, and third-party OEM hardware

2. Insight

The Insight UI is the common interface used by utilities to manage TRUConnect AMI and Tantalus applications. Insight provides:

- System visualization
- Network monitoring
- Meter and device management
- Event and alarm dashboards
- Mobile access and role-based security
- Integration interfaces for CIS, OMS, GIS, MDM, billing, and other systems

Benefits of the TRUConnect AMI Solution

TRUConnect AMI helps utilities:

- Improve reliability and resiliency
- Reduce operating costs and streamline workflows
- Modernize without unnecessary rip-and-replace
- Prepare for increasing DER penetration

- Strengthen cybersecurity posture
- Support demand-side flexibility and TOU programs
- Provide long-term interoperability and data accessibility

Appendix A — Summary Technical Specifications

TRUConnect AMI Network Capabilities

Capability	Summary
Two-way communication	Near real-time messaging between all endpoints and gateways
Multi-application support	AMI, DA, DR, grid optimization, DER integration
Self-configuring network	Self-healing, auto-routing, minimal manual configuration
Multi-commodity support	Electric, water, gas, propane, steam
WAN options	Cellular, fiber/FTTH, Wi-Fi, WiMAX, 220 MHz
LAN technology	900 MHz unlicensed band with TRUPush™
Network scalability	Thousands of endpoints, “right-sized” LANs for optimized control
AMR compatibility	Supports Itron ERTs, Badger Orion CE, Neptune R900/R900i

TRUSense Gateway™

Feature	Summary
Installation	ANSI meter socket
Power quality measurement	Substation-grade data at the edge
BTM connectivity	HomePlug 2.0 + utility-provisioned Wi-Fi
DER support	EV chargers, solar inverters, storage, smart appliances

TRUConnect Edge™ Module

Feature	Summary
Operating system	Secure, Linux-based
Memory	32 MB RAM / 32 MB Flash
Co-processors	Five (ASIC-based)
Security	SELinux + OTA updates
Functions	Distributed intelligence, PQ monitoring, interval data, demand resets

Insight Head End

Feature	Summary
Deployment	Virtualized, utility-hosted or Tantalus-hosted
Data retention	14 months standard; up to 36 months with Data Historian
Integrations	CIS, GIS, OMS, MDM, billing, analytics
UI	Web-based, mobile-capable

Appendix B — Detailed Technical Specifications

1. Network Architecture Overview

TRUConnect is built on smaller, more efficient LANs that ensure:

- Fewer hops
- Lower latency
- Faster outage/restoration reporting
- Higher command-control success rates

Competitive Advantage (Explicit):

Many AMI networks route thousands of meters through a single collection point, causing:

- Bottlenecks
- Slow command and control
- Higher latency
- Polling inefficiencies
- Requirement for extra collectors

TRUConnect avoids these constraints through its architecture.

2. Wide Area Network (WAN / FAN)

Supports multiple transport methods:

Backhaul Option	Supported
Cellular	Yes
Fiber / FTTH	Yes
Wi-Fi	Yes
WiMAX	Yes
220 MHz	Yes
Hybrid deployments	Yes

WAN selection can be mixed across the service territory.

3. Local Area Network (LAN)

- Operates on 900 MHz unlicensed band
- Self-initializing, self-healing, self-optimizing
- Small LANs (≤ 250 endpoints) for efficient command/control
- Up to four LAN controllers per enclosure (VersaComms Gateway)
- Repeaters extend range economically
- Every TRUConnect Edge™ module acts as a repeater

TRUPush™

Endpoints push data automatically—no polling required.
Near real-time access to data; data is not batched.

4. Gateways

- **TRUSense Gateway™**
 - Meter-socket installation
 - Substation-level PQ measurements
 - HomePlug 2.0 + utility Wi-Fi
 - BTM integration (EV, solar, storage, appliances)
 - Ultra-capacitor
 - Minimal maintenance required
- **VersaComms Gateway™ (VC)**
 - Pole-mounted
 - Supports multiple WAN transports
 - Up to 4 LANs per enclosure
 - Supports up to 1,000 endpoints
 - Battery backup options

5. TRUConnect Edge™ Modules

Hardware

Attribute	Specification
Memory	32 MB RAM + 32 MB Flash
Processors	ASIC with five co-processors
OS	Secure Linux (SELinux)
Network	Two-way AMI communications
OTAP	Fully supported

Distributed Intelligence

- Local decision-making
- PQ event detection (sags, swells, blinks)
- Local filtering and exception-based data reporting

- Reduces network load

Monitoring Capabilities

- kW, kVAR, kVA intervals
- Instantaneous per-phase voltage
- Peak demand reset scheduling
- Full PQ data set: frequency, voltage, current, power factor
- Real-time alerts on voltage irregularities

6. Head End Platform (Insight)

Functionality

- System visualization
- Meter reads, events, alarms
- Network monitoring
- Workflow management
- Integration API suite
- Mobile access

Deployment

- Virtualized environment
- Utility-hosted or Tantalus-hosted

Data Retention

- 14 months standard in TRUConnect Insight
- Up to 36 months with Tantalus Data Historian

7. Security Architecture

- SELinux-based endpoint OS
- Encrypted communications
- Role-based access controls
- Secure OTA firmware updates
- DoD-grade SELinux foundations

8. AMR / ERT Integration

9.

Supports reading of:

- Itron ERTs
- Badger Orion CE
- Neptune R900 / R900i
- Other MIUs

TRUScan™ enables coexistence of AMR and AMI until utilities are ready to transition.

10. Competitive Differentiation (Explicit)

TRUConnect AMI Provides:

- Smaller, smarter LANs

- Push-based data transfer
- Fewer hops
- Faster command/control
- Better outage reporting
- Multi-application network (AMI, DA, DR, grid optimization, DER support)

Competing AMI Architectures Often Experience:

- Thousands of meters per collector
- Polling-based reads
- High latency
- Larger infrastructure footprints
- Limited support for emerging grid applications

Wesco AMI Services Portal (WASP)

Our Wesco AMI Services Portal (WASP) is a highly customizable, proven system for managing large-scale change-out programs. The combination of technology, experienced installers, and top-notch project managers allows Wesco to provide customers with unmatched services that are performed quickly, safely, cost effectively, and in a high quality, value-added way.

The WASP was developed internally and continuously maintained by Wesco staff, not IT contractors. The WASP was created solely for the purpose of tracking and managing metering system change-out programs. The system's key attributes include a proven and successful track record of accurately tracking installation data and efficiently transferring that data to the customer billing system. Another key attribute of this system is its ability to schedule and track installations. Our project managers and field crews leverage this proprietary system to manage and track an AMI electric meter change-out program.

Our installation team will utilize Handheld Data Collectors (HDC) with bar code scanners. These handheld devices allow us to gather installation data efficiently and accurately. Once collected, this data can be formatted to allow for easy uploading to the utility's billing system. The WASP is a highly customizable, proven system for managing large-scale electric meter change-out projects. The WASP allows for the convenient tracking of all important details associated with a meter change-out program including:

- ✓ Customer Account Data (account number, address)
- ✓ Existing customer service information & customer contact records
- ✓ Installation details
- ✓ Work progress tracking (routes, incomplete lists, etc.)
- ✓ Installer
- ✓ Old and new meter readings

At the beginning of a change-out program, all relevant existing customer data is downloaded to the WASP. Data such as customer account number, name, address, phone number, and any known details associated with the existing service are downloaded to the system. The WASP includes a series of data fields for purposes of capturing appropriate information associated with the installation program. The WASP database is customized to ensure capture of all relevant data in order to populate our customer's database(s) and/or GIS. Examples of field types can include collection of informational data could include meter tampering, photographs of meter, GPS coordinate, etc. All data collected can be transmitted in an electronic format that is compatible with the existing billing system.

Custom Mobile App Preinstalled on HDC



Custom Mobile App Account Entry

ACCOUNT NUMBER		STATION	
XXXXXXXXXX	00000000	ADDRESS OF	
ROUTE		SU. ENCE	
ADD		TR	
ADDRESS			
TIRMAN ST			
NAME			
42ER HOTEL			
CANCEL BACK NEXT			

Custom Mobile App Meter Data Entry

OUT READ		CONFIRM	
DEMAND		CONFIRM	
D		CONFIRM	
AVAR		CONFIRM	
NEW METER #		MODULE #	
PICTURE1		PICTURE2	
CANCEL			

The combination of technology, accurate data collection, and seasoned project managers allows Wesco to provide customers with unmatched services that are performed quickly, safely, cost effectively, and in a high quality, value-added way.

Field Installation Reports

Each Wesco installation technician will be provided with a Handheld Data Collector (HDC) that will be specifically programmed to prompt the technician to input the data agreed to be collected for a given project.

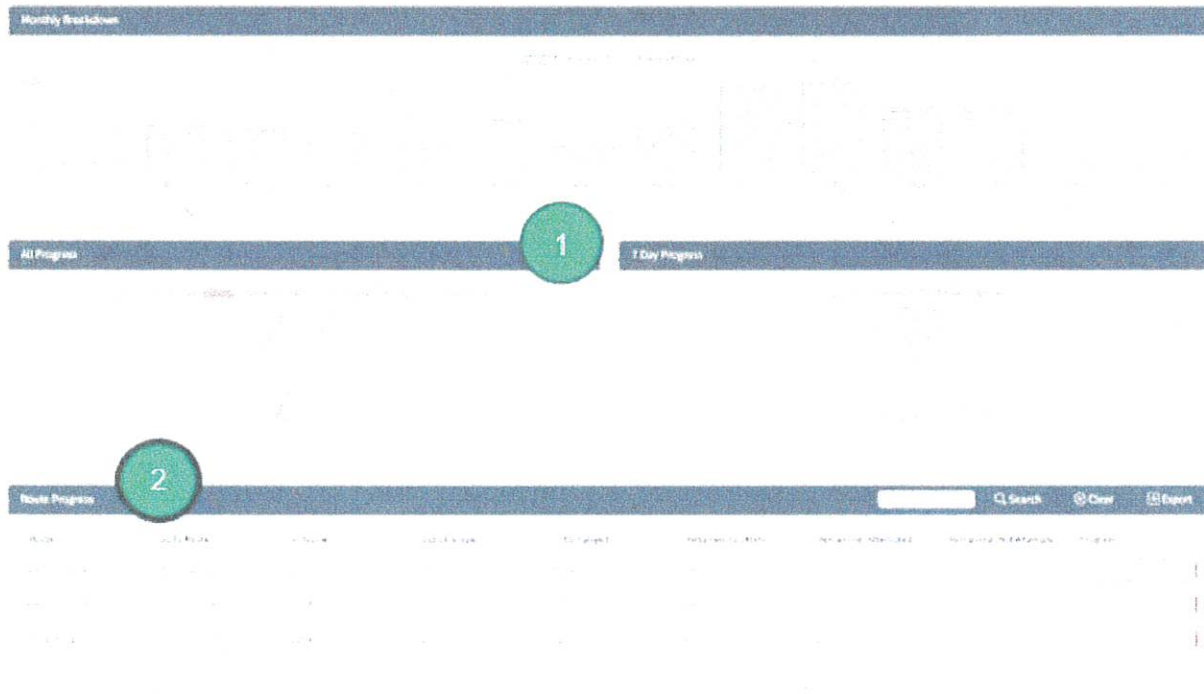
The HDC is a multifunction device. It is capable of capturing barcode data from newly installed or existing equipment. Barcode scanning allows for quick and accurate input of serial number data from equipment. In the event a bar code is not available, the technician will key in the appropriate serial numbers. Whenever possible, pull-down menus or look-up lists are used to minimize technician data entry errors for entries such as size/type of equipment installed or type/condition of the existing service.

The HDC syncs to the WASP server via cellular data. The data is synced real time and multiple HDC's can be used syncing to the same real-time database. Daily the data is compared to data already residing within the WASP and is either appended to the data set or, if a conflict is identified, the Wesco Project Manager would reconcile the discrepancy. Once this data is reconciled, it is then available for review by our customer. Typically install data files are reconciled and made available by the next business day.

Data Validation and Quality Procedures

Wesco's development team have developed back-end processes to catch data inconsistencies and potential processing errors. Data validation and manual review processes are utilized to maximize data integrity and minimize inconsistencies. Wesco uses proprietary processes to ensure a minimum percentage of records are electronically validated for all technicians and projects. On-site validations can be performed based on the needs of the project.

WASP Dashboard



1. Graphical breakdown of installations for the overall project with a drill down for monthly, daily, and hourly production.
 - a. Field applications sync with WASP after every transaction to provide near real-time data.
2. Route progress overview.

Details Tab



1. Search functionality using any meter detail and/or date range to quickly search and access data.
2. Data repository with download capabilities in multiple file formats enabling the utility to sort and analyze data.
 - a. Data will be auto transferred via email or SFTP.
3. Multiple meter images – Zoom feature allows for reviewing all meter details including the meter seal installation and serial numbers.
4. Map log of installations and collection if GPS coordinates.
5. Our custom mobile application automatically photographs the meter when it's positioned appropriately ensuring clear images are uploaded.

Procedures

Over many years of performing meter changeouts for utilities, Wesco has developed Standard Operating Procedures (SOP's) related to our exchange procedures. These SOPs are in place to ensure safety, quality, and provide proper documentation of our meter changeout services for each utility.

SOP for Residential Single-Phase 120/240 Volt Services

Applicable Meter Forms

This SOP applies to the following single-phase socket-based meter forms:

- 1S (120V), 2S (240V), 2SE CL320 (240V), 12S Network (120/208V), 12SE CL320 Network (120/208V), 3S (120V), 3S (240V), 4S (240V), 25S, 25S CL320

Socket meter installation (including A-base or K-base adapters) can be performed per this SOP and associated pricing. Installation of adapters (and any related work) is available at an additional cost, subject to specified limitations.

Meter Exchange Procedure

1. Arrive at the site and verify location information. Remain on public roadways whenever possible.
2. Notify the member/customer of the meter exchange. Proceed if no answer is received.
3. Perform a visual inspection of the meter site and socket:
 - o Identify any obstructions, hazards, socket condition, and status of sealing hardware.
 - o Record identified obstructions and hazards in the change-out record per utility guidelines; continue with the exchange unless safety is compromised.
 - o If obstructions or hazards prevent safe completion of the exchange, fail attempt the meter in WASP and proceed to the next meter on the route.
 - o For any hazards presenting immediate public safety concerns, contact the utility representative by phone.
4. Verify that service order information matches the existing meter nameplate and meter socket.
5. Record the existing meter reading and any customer-requested information.
6. Take a close-up photo of the old meter while still in-service, ensuring the reading is clearly visible.
7. Confirm appropriate personal protective equipment (PPE) is worn before opening the meter socket.
8. Cut the meter seal and remove the cover or ring:

- Note whether the existing meter seal appears to have been previously removed or cut.
- 9. Remove the old meter.
- 10. Visually inspect the meter base/socket, wiring, and connections:
 - Record or report any concerns immediately.
- 11. Take a photo of the empty meter socket.
- 12. Install the new meter using the correct form designation.
- 13. Replace the meter ring and/or cover, then reseal the meter.
- 14. Scan the utility meter number and AMI barcode on the newly installed meter.
- 15. Capture GPS coordinates for the location.
- 16. Confirm the meter is energized before leaving the site:
 - Verify the LCD screen on the meter is active and displaying information.
- 17. Take a photo of the new meter showing the installed meter seal clearly visible.
- 18. Take a Combo picture where the old meter is held next to the new meter

Polyphase Self-Contained Metered Services

Applicable Meter Forms

This SOP applies to the following polyphase self-contained socket-based meter forms:

- 1S (480V), 2S (480V), 2SE (480V), 2K, 12S Delta, 12SE CL320 Delta, 14S, 15S, 16S, 17S, 12K, 15K, 16K, 17K

Socket meter installation (including A-base or K-base adapters) and installation of K-base meter forms can be performed per this SOP and associated pricing. Installation of adapters (and any related work) is available at an additional cost, subject to specified limitations.

Meter Exchange Procedure

1. Arrive at the site and verify location information. Remain on public roadways whenever possible.
2. Notify the member/customer of the meter exchange. Proceed if no answer is received.
3. Perform a visual inspection of the meter site and socket:
 - Identify any obstructions, hazards, socket condition, and status of sealing hardware.

- Record identified obstructions and hazards in the change-out record per utility guidelines; continue with the exchange unless safety is compromised.
 - If obstructions or hazards prevent safe completion of the exchange, fail attempt the meter in WASP and proceed to the next meter on the route.
 - For any hazards presenting immediate public safety concerns, contact the utility representative by phone.
4. Verify that service order information matches the existing meter nameplate and meter socket.
 5. Record the existing meter reading and any customer-requested information.
 6. Take a close-up photo of the old meter while still in-service, ensuring the reading is clearly visible.
 7. Confirm appropriate personal protective equipment (PPE) is worn before opening the meter socket:
 - **Additional PPE is required for services where 480V is present.**
 8. Cut the meter seal and remove the cover or ring:
 - Note whether the existing meter seal appears to have been previously removed or cut.
 9. Remove the old meter.
 10. Visually inspect the meter base/socket, wiring, and connections:
 - Record or report any concerns immediately.
 11. Take a photo of the empty meter socket.
 12. Install the new meter using the correct form designation.
 13. Replace the meter ring and/or cover, then reseal the meter.
 14. Scan the utility meter number and AMI barcode on the newly installed meter.
 15. Capture GPS coordinates for the location.
 16. Confirm the meter is energized before leaving the site:
 - Verify the LCD screen on the meter is active and displaying information.
 17. Take a photo of the new meter showing the installed meter seal clearly visible.
 18. Take a Combo picture where the old meter is held next to the new meter.

Polyphase Transformer-Rated Metered services/accounts

Applicable Meter Forms

This SOP applies to the following polyphase transformer-rated meter forms:

- 4S (480V), 5S (35S & 45S), 6S (36S & 46S), 8S, 9S, 10S
- Important Note: 7S meters cannot be changed out or converted by Wesco technicians.

Socket meter installation into an A-base adapter can be performed per this SOP and associated pricing. Installation of adapters (and any related work) is available at an additional cost, subject to specified limitations.

Meter Exchange Procedure

1. Coordinate the meter change with Utility Operations Crews as needed (e.g., for repairs, CT testing, or assistance opening enclosures).
2. Arrive at the site and verify location information. Remain on public roadways whenever possible.
3. Contact the customer and inform them of the meter exchange intentions.
4. Perform a visual inspection of the meter site and socket:
 - Identify any obstructions, hazards, socket condition, and status of sealing hardware.
 - Verify the meter multiplier if visible or accessible.
 - Record identified obstructions and hazards in the change-out record per utility guidelines; continue with the exchange unless safety is compromised.
 - If obstructions or hazards prevent safe completion of the exchange, fail attempt the meter in WASP and proceed to the next meter on the route.
 - For any hazards presenting immediate public safety concerns, contact the utility representative by phone.
5. Verify that service order information matches the existing meter nameplate and meter socket.
6. Record the existing meter reading and any customer-requested information.
7. Take a close-up photo of the old meter while still in-service, ensuring the reading is clearly visible.
8. Confirm appropriate personal protective equipment (PPE) is worn before opening the meter socket:
 - **Additional PPE is required for services where 480V is present.**
9. Cut the meter seal and remove the cover or ring:
 - Inspect the socket and test switch prior to opening test switch blades.
10. Open **ALL** test switch blades.

11. Remove the old meter.
12. Visually inspect the meter base/socket, wiring, test switch, and connections:
 - Record or report any concerns immediately.
13. Take a photo of the empty meter socket.
14. Install the new meter using the correct form designation.
15. Close all test switch blades, then confirm the meter powers up.
16. Replace the meter ring and/or cover, then reseal the meter.
17. Scan the utility meter number and AMI barcode on the newly installed meter.
18. Capture GPS coordinates for the location.
19. Confirm the meter is energized before leaving the site:
 - Verify the LCD screen on the meter is active and displaying information.
20. Take a photo of the new meter showing the installed meter seal clearly visible.
21. Take a Combo picture where the old meter is held next to the new meter.

Deployment Plan

Meter Installation Deployment Plan

Meter installation will be completed according to a mutually agreed-upon schedule between Wesco and the contracting utility.

The deployment plan outlined below is based on several assumptions, many of which are outside Wesco's control. Unless otherwise specified, Wesco is not responsible for delays caused by factors including, but not limited to:

- Meter deliveries
- Utility Billing, AMI, or MDM software
- Network installation
- Meter-related issues

The plan assumes continuous work with only brief interruptions due to weather, holidays, or technician PTO. Planned interruptions will be communicated in advance whenever possible.

Project Ramp-Up & Execution

- A single technician will perform a soft start to validate procedures and processes.
- During the initial 2–4-week mobilization period, production rates and planning assumptions will be confirmed and adjusted as needed.
- Additional technicians will be added according to a schedule communicated during regular utility coordination calls.

Progress Monitoring

- Route progress will be tracked in real time via WASP.
- A planning spreadsheet will be shared weekly for progress review.
- The deployment plan will be monitored weekly and discussed during regularly scheduled customer cadence calls.

Key Deployment Details

- **Anticipated Start Date:** [TBD]
- **Anticipated Completion Date:** [TBD]
- **Weeks of Deployment:** [TBD]
- **Number of Technicians Required:** [TBD]

March 4, 2026

Tantalus Extends ERT License Agreement with Itron

Agreement enables utilities to extend the life of existing ERT infrastructure while transitioning to a data-centric grid modernization platform.

Burnaby, BC – March 4, 2026 — Tantalus Systems (TSX: GRID, OTCQX: TGMPE) ("Tantalus" or the "Company"), a technology company dedicated to helping utilities modernize their distribution grids by harnessing the power of data, today announced that it has extended its license agreement with Itron, Inc. ("Itron®") to support full Encoder Receiver Transmitter ("ERT®") compatibility across the TRUConnect™ AMI Platform, part of the Tantalus Grid Modernization Platform™ (TGMP™).

With the extension of the license agreement with Itron, Tantalus will continue to have the right to read Itron communications technologies used in early automated meter reading (AMR) systems and legacy AMI deployments, including Advanced SCM+ messaging and Enhanced Fixed Network functionality such as Network Interval Messaging (NIM). Being able to deliver these messages enables utilities to transition from basic mobile meter reading to Tantalus' modern, data-centric TRUConnect AMI platform while extending the life of their existing ERT investments.

With more than 80 million ERT devices deployed across electric, water, and gas utilities over the past three decades, ERT technology represents one of the most widely adopted metering architectures in North America. For many public power utilities and electric cooperatives, these devices remain foundational for daily operations. However, as expectations for grid visibility, data granularity, and operational intelligence continue to increase, utilities face mounting pressure to modernize without stranding capital-intensive infrastructure investments.

The extended license agreement directly addresses this industry challenge. Under this agreement, Tantalus is the only solution provider expressly licensed to read and deliver the complete ERT messaging structure across a purpose-built AMI platform engineered to support advanced two-way data-logging capabilities. Accessing the full functionality of their ERT endpoints through TRUConnect AMI, as permitted under the license agreement, allows utilities to maintain Itron warranties and preserve long-term asset value.

The inclusion of the NIM messages allows utilities to receive hourly-aligned interval readings and tamper notifications from Itron 100 Series-enabled water and gas meters across a fixed network. Using Tantalus' TRUScan™ solution, these readings can be collected automatically rather than relying on periodic drive-by or mobile data collection. This shift from mobile to fixed-network data acquisition enhances system visibility, strengthens operational awareness, and enables more consistent access to interval data for billing, demand calculations, and time-of-use programs.

Advanced SCM+ messaging further expands access to advanced features across Itron water, gas, and electric meters, positioning utilities to leverage enhanced consumption analysis, customer presentment, and distribution optimization capabilities such as loss and leak detection. Tantalus' full integration with Itron's Field Collection System (FCS) enables seamless import of ERT reads from both mobile and fixed networks into utility billing systems, dramatically reducing integration risk and lowering deployment costs.

This capability is underpinned by Tantalus' advanced technology stack, including proprietary communications silicon, firmware, and protocol-processing technologies designed to support the scale, timing, and message complexity of ERT-based fixed-network deployments. These platform investments enable reliable, high-performance decoding and delivery of the complete ERT message, forming the unique technical foundation that enables full compatibility.

"Extending this license agreement reflects the shared commitment between Tantalus and Itron to support utilities' evolving needs for interoperability, efficiency, and financial flexibility," said Peter Londa, President and CEO of Tantalus. Across North America, utilities are navigating how to modernize aging infrastructure while managing cost constraints and changing expectations from customers, state officials, and regulators. By accessing the complete ERT message across Tantalus' TRUConnect AMI offering, we are helping utilities unlock greater operational intelligence at lower risk and lower overall cost with a data-centric approach to AMI."

The licensed technology supports a broad range of Itron devices, including 60, 100, R300, R400, and 500 Series electric, water, and gas ERTs, Bridge Meters, and Intelis gas meters. By combining this licensed compatibility with the TRUConnect Industrial IoT smart grid network, as well as Tantalus' purpose-built endpoint communications and protocol-processing technologies, Tantalus provides utilities with a secure, scalable platform that supports two-way communications and advanced grid operations within a modern, data-focused architecture.

As utilities across the industry increasingly prioritize data-driven decision-making and grid resilience, the ability to integrate legacy metering assets into a scalable AMI platform has become a critical component of modernization strategy. The extended agreement between Tantalus and Itron reinforces a pragmatic, capital-efficient pathway forward that aligns interoperability, operational performance, and financial stewardship in support of long-term grid transformation.

Relevant Experience

2004

First Tantalus Utility Network installed at a public utility

2009

First phased deployment of FTTH

2013

Introduced Linux-based intelligent smartgrid endpoint

2015

VersaComms™ Gateway increases the capacity and efficiency of network

2019

Released advanced streetlight control solution that includes ERT reading capabilities

2021

Launched TRUSense Gateway™, a FTTH and IP solution

2022

Acquired Congruitive, a technology company which helps integrate EVs and DERs to improve grid reliability

2024

Launched the Tantalus Grid Modernization Platform™

Tantalus was founded in 1989 as a privately held consulting company providing turnkey product engineering services to other manufacturing companies in the wireless communications, security, and industrial computing markets.

Today, Tantalus is a technology company that has helped more than 325 public power and electric cooperative utilities modernize their distribution grids through a data-centric approach.

Tantalus will deliver solutions that enable utilities to harness data to improve visibility, command, and control across the entire distribution grid, from substations to devices behind the meter.

We call this Unified Intelligence, ensuring actionable information is accessible wherever needed, across any device, application, or system. Ultimately, everything we do is purpose-driven to support utilities and the communities they serve in the most proven and cost-effective way.

The Tantalus Grid Modernization Platform™ (TGMP™) is a technology architecture that provides a secure, flexible, and affordable path to grid modernization, grounded in our data-centric approach. It delivers true data interoperability across devices, systems, and vendors, and has delivered real-world results since its January 2024 launch.

10/10/2020

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10/10/2020

10/10/2020

Client References

CITY OF ESCANABA ELECTRIC DEPARTMENT

1711 Sheridan Road, Escanaba, MI 49829

<https://www.escanaba.org/electric>

Josh Krajniak, Electrical Engineer

(906) 786-0061; jkrajniak@escanaba.org

Escanaba is a port city and the county seat of Delta County, located on Little Bay de Noc in the Upper Peninsula. The electric department manages services, metering, solar information, and the city's Energy Smart Program. The water utility provides water to all residents of Escanaba and Wells Township.

In 2021, the City selected Tantalus for a budget-friendly AMI solution to upgrade its metering system. Tantalus uniquely demonstrated the ability to reuse the relatively new Itron ERT electric and water technology, enabling the utility to meet its AMI needs while saving considerable costs by converting existing Itron ERT assets into AMI devices without any modifications.

The project had a multi-phased approach.

Phase 1: Deploy enough Tantalus devices (Tantalus AMI meters and infrastructure) to read the balance of Itron electric and water ERTs.

Phase 2: As the business case dictates, replace Itron electric ERTs with Tantalus AMI meters. Continue deploying Itron 100W ERT on remaining water meters.

- # of Endpoints: 7,235 electric meters (3,700 ERTs) / 6,445 water meters (3,320 ERTs)
- System Integrations: BS&A Billing, Itron FCS billing interface
- Project Date: 2021

CHELSEA UTILITIES

660 E Industrial Dr, Chelsea, MI 48118

<https://city-chelsea.org/services/utilities/index.php>

Chuck Stevens, Electric Operations Supervisor

(734) 216-1255; cstevens@city-chelsea.org

Chelsea is a city in Washtenaw County, MI. Chelsea Utilities offers electric, water, and sewer services to the city's residents and businesses.

For many years, Chelsea has extensively used Itron's ERT technology on all electric and water meters, and drive-by collection of billing data has been ongoing. Their goal was to automate processes and enhance customer service by providing more information in response to inquiries. Transitioning to AMI usually requires fully replacing all electric and water meters. Chelsea aimed to eliminate drive-by meter reading while preserving their significant investment in Itron ERT. Additionally, they sought to make information more accessible to better support customer service calls.

The Tantalus solution reads the existing Itron electric and water ERTs without fully replacing them. This approach allows resources and budgets to be directed toward a gradual transition to full AMI over time, based on the utility's current budget and existing resources. Chelsea initially used an overlay approach, installing enough Tantalus meters to cover the remaining Itron ERT devices and eliminate drive-by readings. Tantalus collects numerous ERT readings daily, whereas drive-by collects data only once a month. This additional data also helps Chelsea improve customer service support.

- # of Endpoints: 3,310 electric / 5,000 water
- System Integrations: BS&A Billing / CIS, Utility Hawk Customer Portal
- Project Date: 2024

MISHAWAKA UTILITIES

100 Lincolnway W, Mishawaka, IN 46544

[Uhttps://mishawaka.in.gov/government/departments/mishawaka-utilities/](https://mishawaka.in.gov/government/departments/mishawaka-utilities/)

Phil Stokes, Network Operations Administrator

574-258-1738; pstokes2@mishawaka.in.gov

Mishawaka is a city on the St. Joseph River, in St. Joseph County, Indiana, United States. Mishawaka is a principal city of the South Bend-Mishawaka metropolitan area.

Mishawaka Utilities is owned and operated by the City of Mishawaka to provide quality electric, water, and wastewater treatment services to residents and businesses in Mishawaka.

These three utilities serve a population of more than 47,000 people. Mishawaka has Itron ERT technology on all 28,232 electric meters. They are beginning deployment of Itron 100W for water. Mishawaka has been heavily investing in Itron ERT technology for many years.

Mishawaka wanted to eliminate drive-by meter reading without writing off the substantial investment in the Itron ERT. The Tantalus solution will read the existing Itron electric and water ERTs without fully replacing them. This allows resources and budgets to be used to move to full AMI over time, based on the utility's current budget and existing resources.

Mishawaka started with an overlay approach, deploying just enough Tantalus meters to cover the remaining Itron ERT devices and eliminate drive-by. Mishawaka will continue moving toward full deployment over time.

- # of Endpoints: 28,232 electric / 23,000 water
- System Integrations: Harris CIS/Billing, ESRI GIS
- Project Date: 2024 – Present

COLDWATER BOARD OF PUBLIC UTILITIES (CBPU)

One Grand Street, Coldwater, MI 49036

[Utility website](#)

John Springhall, Electric Superintendent

(517) 279-9531; jspringhall@coldwater.org

Coldwater is a city and the county seat of Branch County. Since 1891, the Coldwater Board of Public Utilities (CBPU) has supplied reliable, competitive, and efficient utility services to the city. Currently, the utility provides electricity, water, and telecommunications services, including GIG Fiber Internet and phone service.

The Tantalus AMI solution deployed at CBPU leveraged their FTTH network to read electric meters and over 4,500 Itron ERT modules on electric, water, and gas meters. The TRUConnect network provides other smart meter benefits, such as alerting the utility to power outages, helping make more efficient decisions about power supply purchases, and enabling two-way communication with customers.

- # of Endpoints: 6,800 electric/5,000 water/4,500 gas
- System Integrations: Caselle CIS/Billing, ESRI GIS, Schneider Power Monitoring SCADA
- Project Date: Completed in 2017

"In the field, the system's range exceeds expectations, and read reliability, especially on hard-to-read water ERTs, is better than expected. With ERTs installed on 100% of our system, having a viable option to continue using these AMR assets without delaying or sacrificing our ability to implement advanced applications like load control is invaluable." - Coldwater BPU.

Proposed Project Team

Proposed AMI Meter Integration Project Team*



Lulu Laird, Project Manager

Lulu Laird is an experienced project manager who manages cross-functional teams, ensures successful project execution, and maintains strong customer relationships. Proven track record in overseeing complex network provisioning projects, leading wireless infrastructure implementations, and driving process improvements to achieve outstanding results.

Lulu will lead the AMI deployment and serve as the liaison between upper management, stakeholders, and cross-functional team members, overseeing project execution. She will be responsible for the direction, coordination, implementation, executive control, and completion of the project, remaining aligned with Paw Paw's strategy, commitments, and goals so you can benefit from the Tantalus solution from day one.

Kim Harrison, Sr. Customer Success Manager

Kim Harrison has been with Tantalus for over 17 years, managing Customer Success across the Northeast, Midwest, Caribbean, and Canada. She uses excellent communication, teamwork, problem-solving, and product expertise to assist her clients. Before her current role, Kim was a business analyst at SAS, a software firm, supporting the global sales team as part of the executive team. She earned a BS in Sports Management with a minor in Business from Slippery Rock University.

Kim will work closely with Paw Paw as you become an active user of the Tantalus Community. She will ensure that you have the tools and resources to help maximize the value of our products and services. She will work to build a long-term relationship throughout the lifetime of your system by assisting with annual service renewals, providing training and educational resources, and helping resolve problems as they arise so that you can achieve your overall business goals.

Dan Cothorn, Senior Specialist

Dan Cothorn is a Senior Specialist at Wesco with over 40 years of experience in power generation and distribution. Dan specializes in providing products, services, and advanced solutions to support grid and network modernization and hardening, as well as renewable energy deployments and smart technologies for utility networks and communities.

Dan will serve as the primary contact for Wesco, the prime contractor, throughout the project to ensure accountability under a single contract and reduce complexity for Paw. He will provide oversight and a streamlined approach to project management by consolidating responsibilities to ensure strong accountability and efficient communication.

Brian Percival, Supervisor, Pre-deployment & Sales Support

Brian Percival is a telecommunications professional with over 14 years of experience. He has an extensive background working with RF systems, including cellular, satellite, and smart-grid metering, and a strong understanding of design principles and the network installation process. Brian is an expert at operating, maintaining, and troubleshooting new systems and is a strong team leader, skilled in building relationships while maintaining focused communication, problem-solving, and accountability. Brian served four years in the US Army as a Satellite Communications Operator/Maintainer (25S)

Brian will oversee the system design, guiding the process from concept to completion while ensuring it meets functional, schedule, and cost objectives. He will serve as the primary contact for all design-related issues, facilitating communication among clients, designers, and construction teams. He will also identify and manage risks during the pre-construction phase, ensuring all stakeholders' requirements are fulfilled.

Jonathan Leake, Manager of Project Operations

Jonathan Leake is an operations manager with 20 years of experience in the municipal power industry. He leverages his operational expertise in utilities to promote the adoption of new processes, policies, and procedures across the organization, ensuring successful project completion. Jonathan holds a BA in International Affairs with a focus on Business and Law from Kennesaw State University.

Jonathan will oversee the project's successful completion by managing resources, directing team members, ensuring on-time, on-budget delivery, and meeting quality standards. He will help ensure the project runs smoothly, maximize efficiency, and collaborate to achieve our shared business goals.

Chris Christensen, Regional Sales Manager

Chris Christensen serves as a Regional Sales Manager at Tantalus, with over 30 years of experience providing technology solutions in retail, transportation, military, and utility sectors. In the utility field, he has supported modernization efforts by offering Engineering Analysis, OMS, GIS, IVR, and Staking solutions. At Tantalus, he specializes in helping cooperative and municipal utilities modernize their Smart Grid technologies, including AMI, Load and DER Management, and SCADA integration. Chris earned a Bachelor of Arts in Business Management.

Chris will serve as an additional resource for Paw Paw throughout the project. He will guide you through pricing, deployment planning, and expediting processes on behalf of Tantalus Systems. Additionally, he will remain prepared and available to collaborate with the project team, both virtually and on-site as needed.

Brook Marin, Sr. Director of Customer Experience

Brook Marin is a seasoned professional in the smart grid industry, with expertise in personnel management, device development, software design and development, project management, and technical troubleshooting. Brook holds a bachelor's degree in Wireless Engineering, with a Hardware Option and Networking Specialization, from Auburn University.

Brook will ensure a seamless customer experience throughout all project stages. He will oversee the development and implementation of the technical support strategy and monitor progress across departments, ensuring everyone works toward the established goals and objectives. He will also track your feedback and recommend and adopt tools and technologies to enhance your overall satisfaction throughout the project.

Paul Guyot, Sr. Director of Customer Success

Paul Guyot has over 25 years of experience in the high-tech sector, specializing in customer operations and deploying highly technical, sophisticated communications systems. He is a certified Project Management Professional (PMP) through the Project Management Institute (PMI) and holds a Professional Engineer (P.Eng.) designation from the Government of British Columbia. He also earned an Executive MBA from the Smith School of Business at Queen's University.

Paul will oversee the Tantalus Customer Success, Project Management, Professional Services, and Training team members assigned to your project, ensuring a positive overall customer experience from contracting through project completion. He aims to help PAW PAW achieve its goals through Tantalus products and services by building strong relationships and fostering satisfaction and loyalty. He will customize services to meet your needs and provide excellent customer support.

**If necessary, Wesco/Tantalus will manage substituting key personnel by proactively managing notice obligations, ensuring proposed replacements match or exceed original qualifications, avoiding "bait-and-switch" pitfalls, and executing a seamless knowledge transition.*

Warranty

Tantalus' standard warranty terms and conditions are set forth below. Capitalized terms shall have the meaning ascribed to them in Tantalus' then-current Network System and Services Agreement. Any deviation from these standard warranty terms may result in additional fees and are subject to mutual agreement in writing between Tantalus and Customer [or Reseller, if applicable]. Except as otherwise expressly agreed to in writing by Tantalus, these standard warranty terms shall apply.

4.1 Warranties.

(a) Except as provided below in 4.1 (b), Tantalus warrants that all new Network Equipment, for a period of one (1) year from the date of shipment of each unit of Network Equipment to Customer from Shipping Point to Customer, will: (i) be free from defects in material, workmanship and manufacture, under normal use and service, (ii) have title that is free and clear of all liens, financial encumbrances and security interests, (iii) be made only with new materials, parts, components and other items initially incorporated in the Network Equipment; and (iv) comply with, and materially perform in accordance with, its Specifications. Any repaired or replacement Network Equipment provided under this Section will be warranted for thirty (30) days from the date it is returned to Customer, or for the remainder of the original warranty period, whichever is longer.

(b) For purposes of this Section 4.1(b) and the other applicable sections of Section 4, “**3YW Network Equipment**” means new Network Equipment that is a TRUConnect™ Edge communications module and/or a TRUSense Gateway™. Tantalus warrants that all 3YW Network Equipment, for a period of three (3) years from the date each unit is shipped from the Shipping Point to Customer, will: (i) be free from defects in material, workmanship and manufacture under normal use and service; (ii) have title that is free and clear of all liens, financial encumbrances and security interests; (iii) be made only with new materials, parts, components and other items initially incorporated in the 3YW Network Equipment; and (iv) comply with, and materially perform in accordance with, its Specifications. Any repaired or replacement 3YW Network Equipment provided under this Section will be warranted for thirty (30) days from the date it is returned to Customer, or for the remainder of the original warranty period, whichever is longer.

(c) The aforementioned warranties in Sections 4.1(a) and 4.1(b) apply only when all three of the following conditions prevail: (i) the unit of Network Equipment and 3YW Network Equipment (as applicable) is owned by the original Customer and not by an assignee; (ii) the Customer is not the subject of bankruptcy or comparable proceedings; and (iii) while there is not an Excusing Event in effect or Tantalus has not invoked a subsisting remedy in respect of Force Majeure.

(d) The aforementioned warranties in Sections 4.1(a) and 4.1(b) will not apply to Licensed Software which is sold “as is” with no warranty, in accordance with Tantalus’ End User License Agreement (EULA).

(e) The aforementioned warranties in Sections 4.1(a) and 4.1(b) will not cover any Third-Party Products provided by Tantalus or Third-Party Products provided to Customer by third-party suppliers. Any warranty for such products will be between Customer and the third-party manufacturer or supplier. To the fullest extent allowed, Tantalus will assign all third-party warranties to Customer.

4.2 Warranty Returns.

(a) Subject to Section 4.2(b) below, for any breach of warranty under Sections 4.1(a) or (b), Tantalus’ sole obligation shall be to, at its sole option and expense, repair or replace defective Network Equipment and 3YW Network Equipment (as applicable) or refund the purchase price thereof, within 60 days of receipt of such defective Network Equipment and 3YW Network Equipment (as applicable) at its designated depot, provided that the Customer has returned the defective Network Equipment and 3YW Network Equipment (as applicable) to Tantalus no later than four weeks after the expiry of the applicable warranty period set out in Section 4.1. Customer will be responsible for removing defective

Network Equipment and 3YW Network Equipment (as applicable) from the installation point and returning the defective Network Equipment and 3YW Network Equipment (as applicable), transportation charges prepaid by Customer, to Tantalus at its designated depot, together with Tantalus' return material authorization number ("RMA") and completed problem sheet. Tantalus will be responsible for paying all shipping and other costs incidental to the return of repaired or replacement Network Equipment and 3YW Network Equipment (as applicable) to Customer. Customer will be responsible for re-installing such repaired or replacement Network Equipment and 3YW Network Equipment (as applicable).

(b) To the extent Tantalus determines that the Network Equipment and 3YW Network Equipment (as applicable) returned under warranty is not defective (that is, no fault found), Customer will pay for the return of the Network Equipment and 3YW Network Equipment (as applicable) and will pay Tantalus the fee of US \$150 per no fault found Network Equipment and 3YW Network Equipment (as applicable).

(c) Tantalus will make available out-of-warranty repairs in accordance with its programs in effect at the relevant time. Services for out-of-warranty repairs will be provided at Tantalus' then current time and materials fees and rates.

4.3 No Warranty. The warranties described in Section 4.1 will not cover Network Equipment and 3YW Network Equipment (as applicable):

(a) units whose original bar code, copyright notices and proprietary legends, if any, have been altered;

(b) units that were not installed or de-installed in accordance with the Specifications and Standards or serviced by Tantalus or a person authorized by Tantalus to do so;

(c) units damaged or defective because of reasonable wear and tear;

(d) units that were not maintained and operated in accordance with the Specifications and Standards, including, without limitation, units damaged or defective because of problems with electrical power;

(e) units that in Tantalus' reasonable opinion have been misused, altered, abused or subject to abnormal conditions of operation or handling; and

(f) units damaged or defective due to an Excusing Event.

4.4 DISCLAIMER. TANTALUS DISCLAIMS ALL OTHER REPRESENTATIONS, WARRANTIES AND CONDITIONS NOT EXPRESSLY MADE HEREIN, EXPRESS OR IMPLIED OR STATUTORY, INCLUDING ANY IMPLIED WARRANTY OR CONDITION OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, NON-INFRINGEMENT OF OTHER'S INTELLECTUAL PROPERTY RIGHTS.

Deployment Strategy and Timeline

Pre-Deployment Planning

Under the guidance of the experienced Tantalus Project Manager (PM), the team will ensure compliance with all relevant regulations regarding data privacy, system security, and network planning.

System Deployment

TRUConnect AMI Insight Head End

The Tantalus Pre-Deployment team will work closely with the utility's IT team to foster a collaborative environment for server configuration and access, Tantalus software installation, required software, IPSec tunnel(s) for data traffic, and remote access.

Server setup and configuration are typically completed within five business days; total completion time will depend on the utility's IT support and availability.

Network Infrastructure

Tantalus Field Engineers will perform a remote system design using advanced software to determine RF propagation and identify the optimal locations for network infrastructure equipment, ensuring coverage and capacity. Once the utility has received the equipment, the assigned Tantalus Project Manager will provide the necessary training on network infrastructure setup, configuration, and installation.

The Project Manager will also provide proposed infrastructure locations as GPS coordinates. The utility will visit each location to ensure accessibility and assess each location's adequacy from its perspective. If the selected location is unsuitable, the utility will provide alternate locations to the Project Manager, who will review them with the Pre-Deployment team for design validation.

Meters (and Tantalus AMI devices)

The Tantalus Project Manager (PM) will collaborate with the utility and the meter distributor to verify that the required meter specifications, including type, configuration, and quantity, are accurate. The manufacturer will provide the first article meters (FAM) for the utility to test and approve. Product shipment will not be scheduled until this process is complete. This typically applies to Polyphase (PP) meters but may also apply to single-phase (SP) meters.

Meters will be shipped according to a mutually agreed-upon delivery schedule that aligns with the installation timeline. Tantalus recommends maintaining a minimum of 2 months' deployment inventory to ensure continuous availability.

The Tantalus PM will collaborate with the utility's business system vendors (CIS, MDMS, etc.) to develop an automated meter exchange information interface, preferably via Multipeak, subject to vendor support. The PM will manage, provide guidance on best practices, and assist with any necessary validation and testing. While the integration does not need to be completed before installation, it will be planned during the project kickoff.

The Tantalus PM will work with the utility to develop a meter installation schedule based on routes, read dates, and billing dates. A 'blackout schedule' will be established to prevent meter exchanges during meter reading and billing activities in specific areas. The utility's billing personnel will determine the duration of this blackout period.

Data exchange between the head end and the Business Systems will occur at least once per night; however, the frequency will be configured based on utility requirements.

The utility's installation team or contractor will be required to provide data such as the old meter number, new meter number, out-read, set-read, date, time, and GIS location (in decimal form). Additionally, best practices should include photographs of the site as found, the old meter as found, the meter socket, the new meter installed, and the site as left. If a faulty meter socket is discovered, necessary repairs are recommended before installing the new AMI meter.

Network communication and meter authentication will be checked daily by the Tantalus PM to address any issues promptly.

Once the final AMI device (meter or other Tantalus network device) is installed, the Tantalus PM will provide recommendations for network optimization to achieve the contracted meter read rate (MRR).

Customer Education

The Tantalus Project Manager (PM) will provide all necessary training to ensure the utility personnel are well-versed in the new AMI system's configuration, deployment, operation, and billing. Training will be conducted onsite, typically in 2-3 visits during the deployment, with one additional training session at the end of the project deployment.

Additional training is available through Tantalus University. Tantalus University offers 4-6 courses annually. These courses are typically offered across the U.S., often at other utilities' offices.

Ongoing Operations and Maintenance

Network Monitoring

The utility will be responsible for monitoring the AMI network for performance issues and taking corrective actions. The Tantalus Technical Support team can provide remote assistance or guidance on issues that may arise.

System Upgrades

The Tantalus Technical Support team will manage regular updates to the AMI system software, including new features (as applicable), security updates, bug fixes, and improvements, in conjunction with the utility support team, ensuring the system's continuous improvement and security.

Proposed Project Timeline

The proposed project schedule shown includes everything necessary to complete the project within 6 months of the start date. The start and end dates, milestones, and dependencies will be discussed and mutually agreed upon during the project's preplanning phase.

Project Task	Assigned Resources	Start Date	End Date	Dependencies
Deployment Runtime	All	2026-09-01	2027-02-05	
Project Kickoff	Tantalus/Utility	2026-09-01	2026-09-02	
	Paw			
Confirm Meter Forms and Quantities	Paw/Tantalus/WESCO	2026-09-01	2026-09-12	
Network Design	Tantalus/Paw Paw	2026-09-01	2026-09-13	
Integration Mapping/Planning	Tantalus/Paw Paw	2026-09-01	2026-09-08	
Meter Specs Completed	Paw Paw/WESCO	2026-09-08	2026-09-26	
Hosted Server and Tantalus Headend Installed	Tantalus	2026-09-01	2026-09-26	
CIS/Billing Integration and Testing	Tantalus/CIS Vendor	2026-09-08	2026-10-30	
Infrastructure Shipped	Tantalus	2026-10-13	2026-10-27	
First Onsite Training	Tantalus/Paw Paw	2026-10-27	2026-10-29	
				Per mutually agreed schedule, meter specs/order completed per plan and vendor lead times
Single Phase Meters Shipped	Tantalus/WESCO	2026-11-05	2026-11-19	
Install Infrastructure	WESCO	2026-11-05	2026-12-05	
Single Phase Meter (electric) Installs	WESCO	2026-11-05	2027-01-14	
				Meter specs/order completed per plan and Meter Vendor lead times
Polyphase Meters First Article Acceptance	Paw Paw	2026-11-06	2026-11-11	
Polyphase Meter Shipped	Tantalus/WESCO	2026-12-02	2026-12-16	
Polyphase Meter Installs	WESCO	2026-12-16	2027-01-13	
Second Training	Tantalus/Paw Paw	2026-12-15	2026-12-18	
Optimization	Tantalus/Paw Paw	2027-01-17	2027-01-24	
Project Complete	All	2027-02-05	2027-02-05	

The proposed timeline assumes a six-to eight-week lead time on single-phase and 10-to 12-week lead time on polyphase to first article shipment. For illustration purposes, the timeline assumes a projected start date of September 1.

Glossary of Terminology

Top Level Solutions & Suites	
Trade Name	Description
Tantalus Grid Modernization Platform™ (TGMP™)	A technology architecture that provides a secure, flexible, and affordable path to grid modernization by delivering true data interoperability across new and existing systems and vendors.
TRUConnect™ AMI	Tantalus' multi-commodity, purpose-built AMI solution comprises advanced smart meters and other connected devices, the communication network, and the head end.
TRUGrid Automation™	A suite of applications and analytics tools that leverages AI to pinpoint anomalies in power quality data, isolate failing assets, and provide utilities with proactive insights to resolve vulnerabilities as they arise.
TRUSync™ Grid Data Management	A revolutionary grid data management system that automates the integration of all utility data across any device, system, or vendor.
TRUFlex™ Load+DER Management	A portfolio of software applications, connected devices, and edge applications that harness the power of grid data and establish interactive demand flexibility with behind-the-meter loads, such as EV chargers, solar and storage inverters, and smart appliances.
TRUSense Gateway™	A multi-purpose device installed in any existing ANSI meter socket creates a secure utility communication path into the premises, providing advanced power quality measurements and supporting broadband initiatives.
TRUConnect™ AMI	
Trade Name	Description
TRUConnect™ AMI	Tantalus' multi-commodity, purpose-built AMI solution comprises advanced smart meters and other connected devices, the communication network, and the head end.
Insight	The head end supports TRUConnect AMI.
TRUConnect™ Network Infrastructure	The field devices that collectively form the TRUConnect Network.
TRUConnect™ Network	The communication network of the TRUConnect AMI solution.
TRUScan™	A firmware-based application for reading water, gas, and electricity meters fitted with Itron ERT, Neptune R900, or Badger ORION CE modules.
VersaComms Gateway™	A flexible, high-capacity TRUConnect Network Infrastructure device that transfers messages between connected devices and the AMI head end.
LAN Repeater	A TRUConnect Network Infrastructure device that provides LAN communications into pockets of low connectivity in a small and easily deployed package. It can be attached to a utility pole or other elevated location.
Streetlight LAN Repeater	A TRUConnect Network Infrastructure device that provides LAN communications into pockets of low connectivity in a small and easily deployed package. Attaches to a streetlight using an ANSI standard connection.

IP Socket Gateway	A TRUConnect Network Infrastructure device that ensures fast and reliable data communication via Ethernet for Fiber-to-the-Home/Premise (FTTH/FTTP) or cable networks.
TRUConnect™ Edge	A hardware module that adds TRUConnect Network communications and advanced computing capability to electricity meters.
TRUEdge®	Tantalus' unique processing and communications technology enables the TRUConnect Edge module.
TRUPush	The feature pushes meter readings to the head end in real time.
TRUGrid™ Automation	
Trade Name	Description
TRUGrid™ Automation	A suite of applications and analytics tools that leverages AI to pinpoint anomalies in power quality data, isolate failing assets, and provide utilities with proactive insights to resolve vulnerabilities as they arise.
TRUGrid™ Reliability	A data analytics tool that leverages power quality data accessed through Tantalus' TRUConnect™ AMI solution to help utilities identify failing assets deployed throughout an electric distribution grid that can lead to power outages or potential fires.
TRUGrid™ Transformer	A data analytics tool that visualizes real-time transformer data across the grid so utilities can identify voltage issues, sags, and swells, and how many hours a transformer has been under- or overloaded.
DA Bridge Modem	Intelligent, connected devices that utilize the TRUConnect Network to communicate serially with DNP3.0 distribution automation equipment across the distribution grid.
Closed Loop Voltage Reduction (CLVR™)	A software application that monitors voltage data from a set of monitored meters and serves that data to a SCADA system to control electrical feeder voltage.
TRUGrid™ Restore	A software application that restores power to electric customers, using connectivity models and feeder conditions to automatically locate and isolate faults and reduce the duration of power outages.
TRUGrid™ Mitigate	A software application that enables electric utilities to manage distribution systems and assets effectively, safely, and rapidly, mitigating the risks of wildfires, extreme weather events, or natural disasters by automating the control schema of distribution reclosers.
TRUGrid™ Stabilize	An application that controls load tap changers, capacitor banks, and line voltage regulators to flatten the voltage profile along distribution lines.
TRUGrid™ Balance	Automatic load balancing by moving line sections from one feeder to another by moving the tie switch location.
TRUGrid™ SCADA	A distributed client/server supervisory control and data acquisition (SCADA) system that supports multiple front-end processors, servers, and operator workstations.
Grid Data Management	
Trade Name	Description
TRUSync™ Grid Data Management	A revolutionary grid data management system that automates the integration of all utility data across any device, system, or vendor.
TRUSync™ Cellular Data Node	Intelligent, flexible management of field communications to maximize throughput and speed decision-making for data acquisition and real-time control.

TRUFlex™ Load+DER Management	
Trade Name	Description
TRUFlex™ Load+DER Management	A portfolio of software applications, connected devices, and edge applications that harness the power of grid data and establish interactive demand flexibility with behind-the-meter loads, such as EV chargers, solar and storage inverters, and smart appliances.
TRUFlex™ Load Controller	A field device ideal for retrofitting traditional loads such as electric water heaters and central air conditioning systems to unleash tremendous value through demand-side flexibility programs.
TRUFlex™ Load Champ	This is the ideal answer for retrofitting control onto large loads and Level 2 electric vehicle chargers that exceed the 30-amp capacity of typical load control switches.
TRUFlex™ Protect	A unique and revolutionary application that makes emergency load shedding as painless as possible for utilities and the customers they serve.
TRUFlex™ Control Gateway	A field device that manages DERs within a specific zone to stay within demand limits and meet defined goals.
TRUFlex™ DER Gateway	A field device that integrates customer DERs with utility operational systems so they can be monitored and controlled to ensure grid stability.
Opticycle™	An application loaded onto Tantalus' suite of LC-2300 load control switches delivers adaptive cycling through analytics, providing customized control tailored to the unique building envelope and site characteristics of each premise.
TRULight Intelligence™	It provides an easy-to-deploy solution with advanced features that leverage the TRUConnect Network for economical operation. It supports advanced and easy-to-deploy lighting control capabilities economically.

Tantalus Grid Modernization Platform™

The Tantalus Grid Modernization Platform™ (TGMP™) is a modular, data-centric technology platform that provides a secure, flexible, and affordable path to distribution grid modernization for utilities. TGMP includes five layers: connected devices, a communications network, grid data management, applications, and analytics, each of which includes its own solutions.

Description

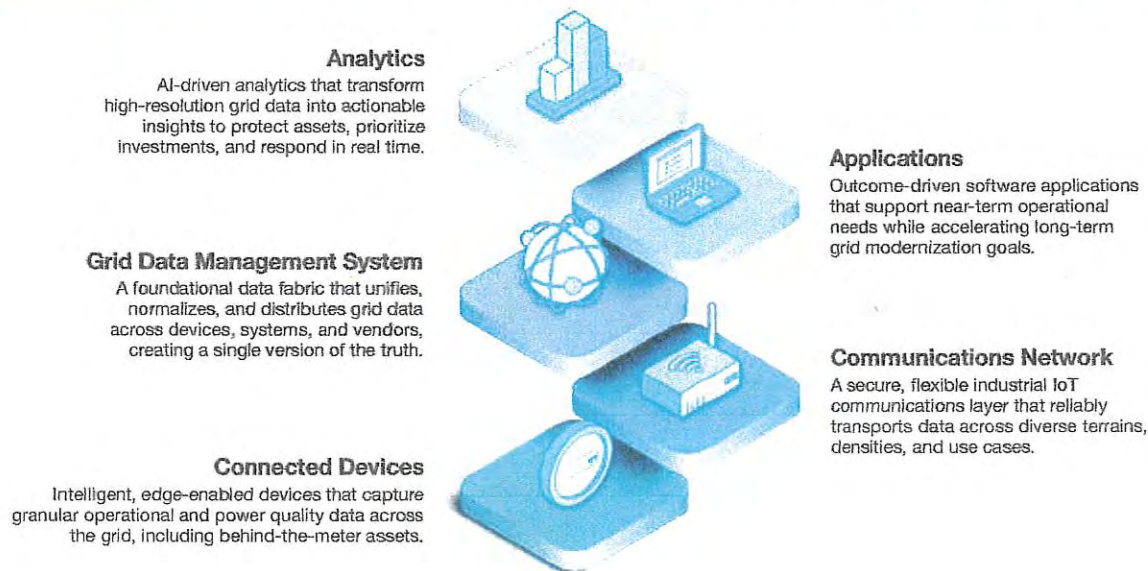
Distribution grid modernization is an ongoing process that requires utilities to balance reliability, affordability, and risk while adapting to electrification, DER growth, and rising customer expectations.

The Tantalus Grid Modernization Platform addresses this challenge with a data-centric architecture that optimizes how grid data is captured, processed, and shared. Rather than relying on monolithic systems or device-centric approaches,

TGMP is data-centric, using standards-based interoperability to unify and share data across Tantalus and third-party devices, systems, and vendors.

TGMP delivers enhanced visibility, command, and control, enabling utilities to modernize incrementally, leverage existing investments, and avoid costly rip-and-replace strategies. It is the technology architecture that enables Tantalus customers to achieve Unified Intelligence across the entire distribution grid.

Platform Layers TGMP is built on five integrated layers that work together to deliver Unified Intelligence:



Solutions Included

TGMP includes a suite of modular solutions that can be deployed independently or together as part of a broader modernization strategy:

TRUConnect™ AMI: A multi-commodity industrial IoT network of advanced smart meters and intelligent connected devices that deliver secure, granular consumption, event, and power quality data.

TRUGrid™ Automation: Suite of AI-driven analytics and applications that provide real-time visibility into grid health, enabling proactive asset protection, outage reduction, and improved system performance.

TRUFlex™ Load + DER Management: Advanced load and DER management solutions that deliver granular visibility and reliable command and control of residential and commercial resources to support demand flexibility and electrification.

TRUSync™ Grid Data Management: A grid data management system that facilitates true data interoperability across any device, system, or vendor, eliminating data silos and complex integrations.

TRUSense Gateway™: A multi-purpose, meter-socket-based gateway with fiber/ethernet/cellular options that creates a secure communication path to devices across the distribution grid and behind the meter, supporting next-generation AMI, power quality monitoring, DER integration, and broadband initiatives.

Tantalus Grid Modernization Platform™

A Commitment to Data Interoperability

TGMP is designed around data, not devices. This data-centric approach enables:

- Unified Intelligence through seamless, standards-based data interoperability integrating Tantalus and third-party devices, systems, and applications
- Granular visibility and faster insights through edge processing and efficient data sampling
- Flexibility to integrate new technologies and applications without stranding existing assets
- Lower total cost and risk by avoiding vendor lock-in and unnecessary infrastructure replacement
- Scalable deployment of AI and analytics built on high-quality, trusted data

Rather than deploying excessive computing power at every endpoint, TGMP optimizes where and how intelligence is applied, delivering the most relevant insights with the least complexity.

Benefits

- Improves resiliency and reliability through proactive monitoring and faster response to grid events
- Enhances flexibility to support electrification, DERs, and evolving load profiles
- Reduces operational and capital costs by extending the life of existing assets
- Improves affordability and cost certainty through modular, phased deployments
- Strengthens security by unifying visibility and control across the grid
- Supports sustainability goals by enabling efficient integration of renewable and distributed resources

The Tantalus Grid Modernization Platform

TGMP™ delivers a proven, cost-effective path to Unified Intelligence across the distribution grid. By harnessing the power of data (from the substation to behind the meter) Tantalus helps utilities modernize with confidence, achieve better outcomes today, and prepare for what comes next, no matter where they are on their grid modernization journey.

Modular Architecture for Utilities' Pace

TGMP is modular by design. Utilities can deploy individual solutions to address immediate priorities or integrate multiple layers over time as needs evolve.

This approach allows utilities to:

- Start where they are, regardless of existing infrastructure or vendors
- Leverage prior investments and avoid stranded assets
- Reduce implementation risk through incremental modernization
- Maintain control over technology choices and future integrations



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Harness The Power of Data and Modernize Your Distribution Grid

Tantalus is a technology company dedicated to helping utilities modernize their distribution grids by leveraging a data-centric technology architecture that delivers Unified Intelligence. Our modular, interoperable solutions deliver the most cost-effective and lowest-risk path to grid modernization, enabling utilities to achieve better outcomes today while preparing for the future.

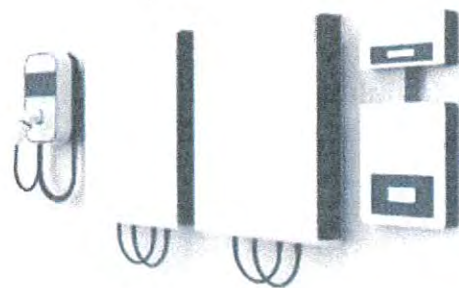
TRUConnect™ AMI

TRUConnect AMI is a multi-commodity, purpose-built industrial IoT network comprised of advanced smart meters and a wide range of intelligent connected devices to improve a utility's resiliency, reliability and efficiency in a secure and affordable manner.

Description

TRUConnect AMI delivers the necessary visibility and corresponding command and control of assets managed by utilities across the distribution grid – from the substation to distributed energy resources (DERs) located behind the meter – by harnessing the power of data.

By deploying TRUConnect AMI, utilities are empowered to coordinate their operations, control costs and enhance customer satisfaction while preparing for the adoption and integration of DERs.



TRUConnect AMI Solution components include:

TRUConnect Edge, an intelligent device integrated into meters manufactured by Itron, Landis+Gyr and Aclara with a powerful system-on-chip to support edge applications.

TRUConnect Network, a network of communications infrastructure devices that delivers unmatched reliability through a combination of "right-sized" field devices that includes:

The TRUSense Gateway™, a next-generation meter socket-based computing device

The VersaComms Gateway™ (VC), pole-mounted gateways that support multiple communications technologies (fiber, cellular, RF)

Insight, a common user interface designed by utilities to manage all aspects of an AMI deployment and Tantalus' suite of software applications and data analytics.

TRUConnect AMI offers a differentiated approach:

- Multi-commodity support through our TRUScan™ technology that is capable of reading and integrating data from a wide range of existing ERTs and MIUs to transform legacy one-way AMR systems into next-generation, robust AMI systems.
- Extending the life of existing assets by delivering reverse-compatibility through our system-on-chip to ensure utilities avoid the expense of stranded assets while future-proofing their investments.
- Flexibility in our networking capabilities that provides utilities the unique ability to migrate between communication technologies as advancements in those technologies are delivered and adopted.
- Unparalleled Data Management, through our TRUSync™ Grid Data Management system that offers utilities a truly interoperable solution that is capable of integrating data captured by any device, any system and any vendor into other mission-critical systems.

Benefits

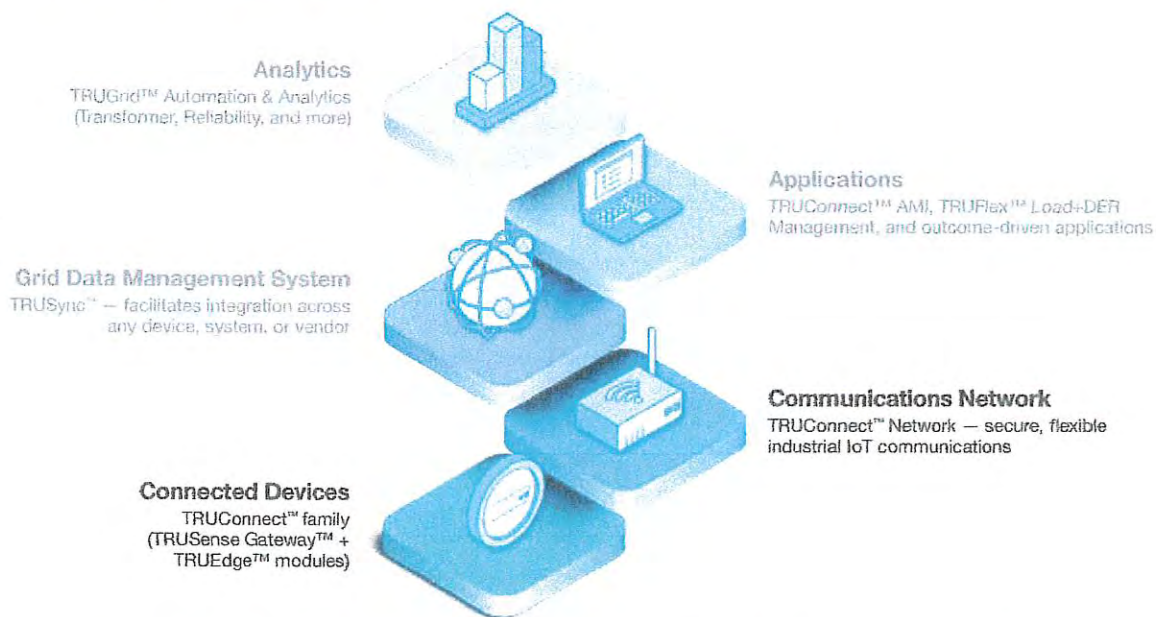
- Supports the safety, prosperity and autonomy of the local communities served by IOUs, public power and electric cooperative utilities
- Helps these communities thrive by helping our utility customers power their economic prosperity, environmental sustainability and social progress
- Ensures these communities are empowered to shape the future of their smart grids as the adoption of Distributed Energy Resources such as solar panels, distributed storage and electric vehicles transform distribution grids
- Provides our customers with the flexibility and expandability they need to serve their communities today and well into the future

TRUConnect™ AMI

Benefits

- Supports the safety, prosperity and autonomy of the local communities served by IOUs, public power and electric cooperative utilities
- Helps these communities thrive by helping Tantalus' utility customers power their economic prosperity, environmental sustainability and social progress
- Ensures these communities are empowered to shape the future of their smart grids as the adoption of distributed energy resources such as solar panels, distributed storage and electric vehicles transform distribution grids
- Provides Tantalus' customers with the flexibility and expandability they need to serve their communities today and well into the future

The Tantalus Grid Modernization Platform



TRUConnect AMI is one of the foundational layers of the **Tantalus Grid Modernization Platform™ (TGMP™)**, a data-centric technology architecture that provides a secure, flexible, and affordable path to distribution grid modernization. By accessing data from devices across the entire distribution grid, including devices and appliances located behind the meter, TGMP provides unprecedented levels of visibility, command and control.

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TRUConnect™ Edge



Intelligent endpoint and AMI communication module for the
Itron CENTRON® C1S Meter

Description

TRUConnect Edge provides Itron CENTRON C1S meters with two-way wireless communications through the TRUConnect Network - the Tantalus utility network that connects the entire distribution system so a utility can gather better information and achieve a new level of operational, business and customer service control and efficiency.

TRUConnect Edge equipped meters provide utilities with accurate billing data as well as grid edge analytics such as peak demand tracking and voltage analytics.

For utilities looking to upgrade their Itron, Neptune or Badger AMR system to a fixed network, TRUConnect Edge equipped meters will actively collect and relay Itron ERT™ electricity, water and gas data; and Neptune R900® and Badger ORION® CE water and gas readings back to the head office, prolonging the useful life of those assets.

Features/ Benefits

- All consumption and voltage data is pushed to the head end every interval; this is vital for grid edge optimization
- TRUPush™ technology for instant, field-initiated event notifications such as outage alerts and load shed confirmations
- Two-way, 24/7 wireless communications to Itron C1S meters
- Highly granular interval data for flexible rate designs
- On-request reads allow customer service to respond to inquiries and to closely monitor endpoints remotely
- Over-the-air meter configuration and firmware updates for future enhancements
- Peak Demand
- Net Metering
- TRUScan reading capability for Itron ERT, Neptune R900 and Badger ORION CE MIUs

TRUConnect™ Edge

Product Specifications

Data Reported

- kWh
- Net Metering (delivered, received, sum, net)
- Voltage on configurable intervals (Min, Max, Instantaneous, 85 - 130V, 170 - 260V, $\pm 1\%$)
- Optional 15/5 Rolling kW Demand
- User defined interval data: 5, 10, 15, 30, 60 minutes
- Blink Counts, Sag & Swells Alerts

Meter Forms Supported

C1S (120V)

- 1S (Class 100)
- 3S (Class 20)
- 12S / 25S (Class 200)

C1S (240V)

- 1S (Class 200)
- 2S (Class 200, 320v)
- 3S (Class 20)
- 4S (Class 30)

Environmental

- Operating temperature range: -40° to $+158^{\circ}$ F (-40° to $+70^{\circ}$ C)
- Humidity: 5% to 95% non-condensing

Approvals/ Standards

- ANSI C12.1 & C12.20
- FCC for CFR Title 47 Part 15b

Radio

- Frequency range: 902 - 928 MHz Unlicensed
- TRUConnect Network TRUPush Technology
- Vectored Channels: 64,000
- Transmit power: 1.0 watt

Ordering Information

TC-1116

- TRUConnect Edge for Itron C1S 120V Meter

TC-1216

- TRUConnect Edge for Itron C1S 240V Meter

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TRUConnect™ Edge



Intelligent endpoint and AMI communication module for the
Itron CENTRON® C2S Meter

Description

TRUConnect Edge provides Itron CENTRON C2S meters with two-way wireless communications through the TRUConnect Network - the Tantalus utility network that connects the entire distribution system so a utility can gather better information and achieve a new level of operational, business and customer service control and efficiency.

TRUConnect Edge equipped meters provide utilities with accurate billing data, innovative disconnect, prepay, load management and load limiting features as well as grid edge analytics such as peak demand tracking and voltage analytics. The unique service limiting feature can cycle electricity service off and on every 30 minutes, providing an alternative to full disconnection when a disconnect moratorium is in effect.

For utilities looking to upgrade their Itron, Neptune or Badger AMR system to a fixed network, TRUConnect Edge equipped meters will actively collect and relay Itron ERT™ electricity, water and gas data; and Neptune R900® and Badger ORION® CE water and gas readings back to the head end, prolonging the useful life of those assets.

Features/ Benefits

- All consumption, voltage data is pushed to the head end every interval; this is vital for grid edge optimization
- TRUPush™ technology for instant, field-initiated event notifications such as outage alerts and load shed confirmations
- Two-way, 24/7 wireless communications to Itron C2S meters
- Highly granular interval data for flexible rate designs
- On-request reads allow customer service to respond to inquiries and to closely monitor endpoints remotely
- Over-the-air meter configuration and firmware updates for future enhancements
- Optional remote disconnect with arming button for safe reconnection
- Peak Demand
- Net Metering
- Service Limiting
- Theft detection, tampers
- TRUScan reading capability for Itron ERT, Neptune R900/R900i and Badger ORION CE MIUs

TRUConnect™ Edge

Product Specifications

Data Reported	
	- kWh, Instantaneous kW - Net Metering (delivered, received, sum, net) - Voltage on configurable intervals (Min, Max, Instantaneous, 85 - 130V, 170 - 260V, $\pm 1\%$) - Optional 15/5 Rolling kW Demand - User defined interval data: 5, 10, 15, 30, 60 minutes - Blink Counts: Sag & Swell Alerts
Meter Forms Supported	
C2S	1S (Class 200) 2S (Class 200, 320) 12S/25S (Class 200)
	1S (Class 200) 2S (Class 200) 12S/25S (Class 200)
	1S (Class 200) 2S (Class 200) 12S/25S (Class 200)
Environmental	
	- Operating temperature range: -40°C to +55°C (-40°F to +130°F) - Humidity: 5% to 95% noncondensing
Approvals/ Standards	
	- ANSI C12.1 & C12.20 - FCC for CFR Title 47 Part 15b
Radio	
	- Frequency range: 902 - 928 MHz Unlicensed - TRUConnect Network TRUPush Technology - Vsctored Channels: 64,000 - Transmit power: 1.0 watt
Ordering Information	
TC-1120	TRUConnect Edge for Iron C2S 120V Meter
TC-1220	TRUConnect Edge for Iron C2S 240V Meter
TC-1120-RD	TRUConnect Edge for Iron C2S-RD 120V Meter with Disconnect
TC-1220-RD	TRUConnect Edge for Iron C2S-RD 240V Meter with Disconnect

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TRUConnect™ Edge

Intelligent endpoint and AMI communication module for the
Itron CENTRON® Polyphase III Advanced OEM-Ready Meter



Description

TRUConnect Edge provides Itron CENTRON Polyphase III Advanced OEM-Ready meters with two-way wireless communications through the TRUConnect Network - the Tantalus utility network that connects the entire distribution system so a utility can gather better information and achieve a new level of operational, business and customer service control and efficiency.

TRUConnect Edge factory integrated meters provide utilities with data from high consumption C&I meters, for accurate billing, power quality monitoring, forecasting, load profiling and flexible rates such as TOU, CPP and dynamic pricing, as well as grid edge analytics such as peak demand tracking and voltage analytics.

Features/ Benefits

- All consumption, voltage and current data is pushed to the head end every interval; this is vital for grid edge optimization
- TRUPush™ technology for instant, field-initiated event notifications such as outage alerts and load shed confirmations
- Two-way, 24/7 wireless communications with Itron CENTRON Polyphase III Advanced OEM-Ready meters
- Highly granular interval data for flexible rate designs
- On-request reads allow customer service to respond to inquiries and to closely monitor endpoints remotely
- Over-the-air configuration and TRUConnect Edge firmware updates for future enhancements
- Peak Demand
- Net Metering
- Theft detection, tampers
- TRUScan reading capability for Itron ERT™, Neptune R900®/R900i® and Badger ORION® CE MIUs

TRUConnect™ Edge

Product Specifications

Data Reported	Environmental
• kWh, kVAh and kVARh • Peak kW and coincident kVAR • Peak kVA and coincident kW • Peak kVAP and coincident kW • Voltage, Current: Phases A, B & C • User defined interval data: 5, 10, 15, 30, 60 minutes • Power factor, frequency • Sags, Swells (PPA license required) • Net Metering (delivered and received)	• Operating temperature range: -40° to +158° F (-40° to +70° C) • Humidity: 5% to 95% non-condensing
Power	Standards
• 120-480VAC, 50/60Hz	• ANSI C12.1 & C12.20, Class 0.2 accuracy • FCC for CFR Title 47 Part 15b • Measurement Canada AE-2576
Meter Forms Supported	Radio
• 1S (CL100) • 2S (CL200, CL320) • 12S (CL200, CL320) • 16S (CL200, CL320)	• Frequency range: 902 - 928 MHz Unlicensed • TRUConnect Network TRUPush Technology • Vectored Channels: 64,000 • Transmit power: 1.0 watt
Self-contained	Ordering Information
• 2S • 4S	PP-1320 TRUConnect Edge for three CENTRON Polyphase III Advanced OLM-Ready Meter
Transformer-rated	PP-1320C Measurement Canada approved TRUConnect Edge for three CENTRON Polyphase III Advanced OEM-Ready Meter
• 9S • 8/36S • 46S (CL20)	

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TRUSense Gateway™

The TRUSense Gateway is a multi-purpose device that can be installed in any ANSI meter socket to create a secure communication pathway via fiber, ethernet or cellular network to devices deployed behind the meter and across the distribution grid. It's a critical part of the Tantalus Grid Modernization Platform™ and Tantalus' data-centric approach to distribution grid modernization.

Description

The edge of the grid has moved to behind the meter. The distribution grid cannot be modernized without access to data from devices that are deployed behind the meter and have a major impact on the distribution grid, including DERs, electric vehicles, and other appliances. Without that data, utilities are flying blind.

That's why the TRUSense Gateway is one of the most valuable components of the Tantalus Grid Modernization Platform. Available in fiber, ethernet and cellular options, it delivers broadband data connectivity all the way to edge of the grid, including behind-the-meter. It's installed in a standard meter socket, between the socket and the meter, and delivers:

- Streaming substation-quality grid-edge power measurements
- Power quality issue detection, waveform capture, diagnosis and mitigation
- Vendor-agnostic approach to DER integration
- AMI infrastructure for electric, water and gas metering
- Connectivity available via Fiber, Ethernet or Cellular

A growing number of utilities are already deploying the TRUSense Gateway to accelerate their grid modernization efforts in the most cost-effective, lowest-risk way possible, and enhance the reliability, resilience and flexibility of their distribution grids.

Applications

The TRUSense Gateway represents a first-to-market offering that supports the convergence of four major initiatives across the utility industry:



Delivering next-generation AMI by accessing the benefits of AMI 2.0 without having to replace existing metering infrastructure



Providing grid optimization by capturing and analyzing granular power quality data to improve the distribution grid and prioritize infrastructure that needs to be upgraded



Integrating DERs located behind-the-meter, such as electric vehicle chargers, solar and storage inverters and smart appliances



Enhancing broadband initiatives by leveraging fiber investments to connect meters for communications and powering optical network terminals delivering broadband services to the home

In short, the Tantalus TRUSense Gateway makes it easier for utilities to become more reliable, resilient, and innovative.



TRUSense Fiber Gateway:
Connects directly to fiber by use of a Small Form-factor Pluggable (SFP) Optical Network Terminal (ONT)

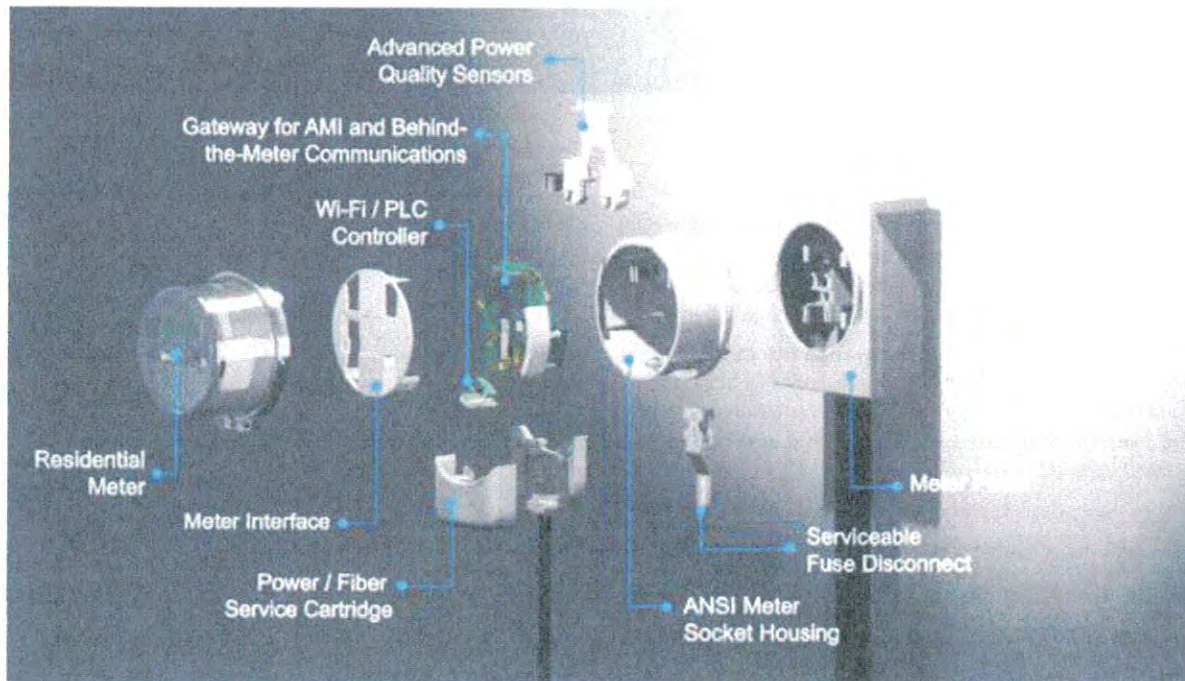


TRUSense Ethernet Gateway:
Supports an outdoor ONT deployment (providing power to the ONT and connecting via an ethernet cable)



TRUSense Cellular Gateway:
Leverages an embedded LTE modem for those utilities not deploying fiber to the home (FTTH) to leverage public LTE for AMI and/or DER integration

TRUSense Gateway™



Benefits

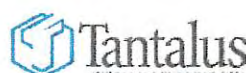
- Deploy a next-generation AMI system without needlessly ripping and replacing existing meters. Specifically, Tantalus helps utilities extend and augment existing AMI and AMR investments, including electric, water and gas, to provide a foundation for future innovation and insights at lower costs.
- Create a secure utility communications path into the premises using the same standards-based technologies that control consumer-centric DERs and appliances to build demand-side programs to offset peak demand.
- Monitor power quality at the socket, providing substation-level power quality sensing and measurement to track transient power events and local conditions such as sags, swells, outages and even phase information.
- Provide real-time communications over fiber and cellular networks, allowing utilities to avoid truck-rolls while gaining a granular view of the distribution network.

An Accelerated Path to Distribution Grid Modernization

The TRUSense Gateway is an important part of the **Tantalus Grid Modernization Platform™ (TGMP™)**, a data-centric technology architecture that provides a secure, flexible, and affordable path to distribution grid modernization. By accessing data from devices across the entire distribution grid, including devices and appliances located behind the meter, TGMP provides unprecedented levels of visibility, command and control.

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LAN Repeater

TR-1901 Omni-directional 900 MHz network repeater

Description

The TR-1901 LAN Repeater extends the reach of the TRUConnect™ LAN communications into hard-to-reach locations and over challenging terrain. It provides superior omni-directional radio coverage enabling connectivity to larger clusters of LAN endpoint devices at greater distances. This enables a utility to add range and functionality without re-engineering the network.

The LAN Repeater improves radio broadcast range and penetration to ensure that distant sites or those located in challenging urban and rural environments receive reliable communications. It facilitates two-way, near real-time communications between the utility and TRUConnect-enabled endpoints as well as with Itron ERT®, Neptune® and Badger Orion® modules.

With its sensitive receiver capabilities and easy to mount design, the TRUConnect LAN Router is a valuable component in an AMI system.

Features/ Benefits

- Provides long-range communications coverage in both challenging rural and urban environments
- Enables a utility to surgically deploy endpoints anywhere without substation constraints
- Multiple installation options
- Small size, rugged weather-proof construction; secure, lockable enclosure
- Features Tantalus TRUPush™ technology for instant, field initiated event notifications such as outage alerts or load shed success; no device polling required
- Communicates directly with Itron ERT® and Badger Orion® modules

LAN Repeater

Product Specifications

LAN Radio

- Frequency range: 902 – 928 MHz; unlicensed
- Transmitter power: 0.5 watts (+29.5 dBm)
- Antenna: 5 dBi external (omni-directional)

Power Input

- Supply: 100 to 240 V at 50/60 Hz
- Quiescent consumption: 4 watts

Physical

- Dimensions:
11"W x 13.25"H x 5"D
(28cm W x 33cm H x 12.5cm D) (excludes external antenna)
- Weight: 4.1 lbs (1.9 kg)

Environmental

- Operating temperature range: -40° to +149° F (-40° to +65° C)
- Humidity: 5% to 95%

Approvals/Standards

- FCC (or CFR Title 47 Part 15b)
- NEMA 3R enclosure

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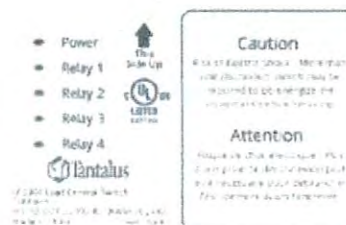
Description

This advanced intelligent end device enables two-way direct load control (DLC) and demand response (DR) with unparalleled grouping capabilities and configurability. Events are very flexible, with control over time, duration, recurrence, control strategy, target group, and randomization. The LC-2300 is a part of Tantalus' TRUFlex Load+DER Management Solution with advanced load status monitoring.

TRUFlex Load Controllers are part of the TRUFlex portfolio of edge devices and integrations. They are particularly well-suited to replace legacy load switches to improve visibility, reliability, and results for existing programs.

Features/Benefits

- Full Integration with the TRUConnect Network
- Multiple low & high voltage relay configurations
- Independent relay control of up to 4 loads
- Support for standard cycling and OptiCycle™ adaptive cycling
- Automated price response
- Local and remote opt-out
- Load status monitoring and optional power measurement
- Configurable cold load pick-up
- Event time and duration randomization for ramping



TRUFlex™ Load Controller

Product Specifications

Physical

- NEMA 3 Rated Polycarbonate

Dimensions

- 6.25"H x 5.25"W x 2.5"D
(16cm H x 13.7cm W x 6.5cm D)

Weight

- 1.7 lbs (0.8 kg)

Power Input/ Wiring

- Supply: 208 - 248 VAC
(120VAC available as an option)
- Max Consumption: 10 watts
- Integrated junction box with knockouts
- Lead length: 22" (55.9 cm)

Relay Configurations

- LC- 2322** • 5A/30A
- LC- 2325** • 5A/5A/30A
- LC- 2327** • 5A/30A/30A
- LC- 2328** • 5A/5A/30A/30A

Available Options

- C1** • Pre-installed 3/4" threaded connector
- V120** • 120VAC power supply

Environmental

- Operating temperature range:
 - 120, 240VAC power supply: -40° to +158° F (-40° to +70° C)
 - 208VAC power supply: -40° to +122° F (-40° to +50° C)
- Humidity: 10% to 95% non-condensing

Standards/ Certifications

- UL916 Energy Management
- FCC for CFR Title 47 Part 15b

Radio

- Frequency range: 902 - 928 MHz (license exempt)
- Transmitter power: 0.8 watts (EIRP +29dBm)
- Antenna: 0dBi omni-directional

Load Control

- Up to 4 independent relays
- 30A or 1.5 HP @ 80 - 240 VAC (maximum)
- 5A @ 240 VAC (maximum)

A Component of Long-Term Grid Modernization

TRUFlex Load Controllers generate data that utilities can also use to fine-tune operations and manage load behavior as part of a broader data-centric distribution grid modernization strategy. It's yet another example of how Tantalus helps utilities achieve flexibility and resilience.

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Harness The Power of Data and Modernize Your Distribution Grid

Tantalus is a technology company dedicated to helping utilities modernize their distribution grids by leveraging a data-centric technology architecture that delivers Unified Intelligence. Our modular, interoperable solutions deliver the most cost-effective and lowest-risk path to grid modernization, enabling utilities to achieve better outcomes today while preparing for the future.

Updates & Reports

Village of Paw Paw MICHIGAN

Memorandum

To: Village Council
From: Bryan Myrkle, Village Manager
Re: Village Manager's Report for
Date: July 27, 2026

Updates & Reports

- **Well Site Purchase** – The Paw Paw Public Schools accepted our recent offer to purchase the Village well site that is currently under lease from the schools district. The Schools will be drafting a purchase agreement for your consideration.
- **Dam Railing & Access** – The Briggs Dam has had its new railing installed. It appears that some residents or visitors are still interested in climbing over the railing or otherwise accessing areas that could be potentially dangerous. We have contacted the Risk Management team at our insurance company, and they have suggested the installation of signage indicating these are not public access areas. I also intend to ask our local police and fire department to evaluate the site to determine if additional railing could be helpful, or whether it might be a hindrance to emergency access if needed.
- **Storm Update** – There have been two incidents of extreme weather in the past month. As you know, the July 3 storm produced strong winds that did significant damage to Village property. This includes damage to the amphitheater and surrounding area, a Village lift station, one of the newer directional signs, and also the public bathrooms near the Amphitheater. We are still working to compile repair estimates of the damage for an insurance claim.

More recently, on July 18, extremely heavy rainfall resulted in short-lived but significant flooding in certain areas of the Village. While this heavy rain is unusual, extreme rain events are getting more common. While storm sewers have a design capacity, I believe many of the storm

sewers in the Village have had their capacity reduced over time with sediment deposits and infiltration from roots and other vegetative growth. I intend to seek a proposal for the development of a storm sewer cleaning (and potentially repair) program so that we can start working to remedy this situation over time. I envision an annual cleaning program that would tackle storm sewers neighborhood by neighborhood. We have seen the benefits to our electrical system from more deliberate vegetation management, and I believe a similar program for our storm sewers is warranted.



PAW PAW POLICE DEPARTMENT

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Phone: 269-657-5501 / Fax: 269-657-5144

email: pppd651@pawpaw.net

ERIC ROTTMAN
Chief of Police

DATE: July 23, 2026

TO: Village Manager Bryan Myrkle

FROM: Chief of Police Eric Rottman

PUBLIC SAFETY PROFESSIONAL NIGHT

We will again be holding this event on August 11th with a rain day of August 12th from 5pm-8pm at Tapper Ford. There was a great turnout last year and we hope for another exciting night this year. This event is one of the larger events we participate in. It draws a large crowd from around the area and is a great way for the public to meet their Public Safety Professionals.

WINE AND HARVEST

Planning is well under way for Wine and Harvest 2026. With the assistance of our partners, we are looking forward to another great Wine and Harvest weekend this year.

EMAILS

We have received several emails over the last couple of weeks thanking us for the excellent job that your officers do and how conscientious they are in serving the community. These are just a few examples of the great job our staff does in their numerous daily interactions with the community.