

To: Honorable Mayor and Council Members

From: Jeremie Schossow, Public Works Director

RE: solar power pressure transmitter

On January 22nd, 2026, the Perham Natural Gas system had a failure of a pressure regulator on a district that feeds 80 houses south of Ottertail city. The on-call employee received a call from the call center that a customer had lost gas pressure. When he arrived and found that the pressure at the house was only 1 psi he drove to the district that feeds the development and found the pressure in the main was only 5psi where it should be 50 psi. He called in for more help, and they opened the bypass to get the pressure back up while they changed out the regulator.

I do believe we need to look at better options to monitor pressure in our system. I had my gas guys do some research on pressure monitors that can notify us when there is problem beginning with gas pressure so we can repair the issue before it fails completely. They talked with 2 companies that have and I have received quotes for monitoring systems. Both Mobiltex and USDI have solar power systems that will send alerts to their phones or iPad when there is an issue. After talking with both companies, they prefer the Abriox Osprey system from Mobiltex as it is easier to work with and less complex. The system has an initial set up fee and we can add as many pressure sensors to the system as needed. Both have a yearly service fee and the system from Mobiltex is \$211 per year per unit where the system form USDI is \$480 per year per unit. The initial system would monitor our high gas pressure down at the end of the main line and the pressure we are supplying to the Henning and Battle Lake districts.

Abriox Osprey Monitoring System from Mobiltex= \$7900.20

MPplusII Monitoring System from USDI= \$7389.26

My gas guys would recommend the Abriox Osprey from Mobiltex.

This was not an item that was budgeted for in 2026. Going forward I would budget for 1 or 2 additional systems each year to monitor other districts.

I have attached the quotes from USDI and Mobiltex.

Jeremie Schossow



6300 Bury Drive
 Eden Prairie, Mn 55346
 Phone: 952-835-1895
 Fax: 952-835-4614
 www.neltechinc.com

Quote

Date	Est #
2/9/2026	NQ3643

Name / Address
Perham Municipal Gas System PO Box 130 Perham, MN 56573 Accounts Payable

Ship To
Perham Municipal Gas System 802 6th Street NE Perham, MN 56573

Description	Qty	Cost	Total
Ted Tulibaski 218-346-9800 ttulibaski@cityofperham.com			
Eagle Research MP Plus 2 - MPM 2 Pressure - Pressure Monitor Fibox polycarbonate enclosure 10 x 8 x 5 with quick release hasps * (2) Digital Pressure Transducers (customer to specify range) * Integrated LTE Cat M1 Cell Modem with complete kit * 20-watt solar panel with bracket, cable, and grips * 7 AH battery, shelf, leads, and fuse	1	3,166.00	3,166.00T
Eagle Research MP Plus 2 - MPM 3 Pressure - Pressure Monitor Fibox polycarbonate enclosure 10 x 8 x 5 with quick release hasps * (2) Digital Pressure Transducers (customer to specify range) * (1) Analog Pressure Transducer (customer to specify range) * Integrated LTE Cat M1 Cell Modem with complete kit * 20-watt solar panel with bracket, cable, and grips * 7 AH battery, shelf, leads, and fuse	1	3,610.10	3,610.10T
Total sales tax calculated by AvaTax		465.85	465.85
Select this as a transaction's tax to use AvaTax		0.00%	0.00

Lead Time	8 - 10 Weeks ARO	Total	\$7,241.95
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*All Credit card transactions will be subject to a 3.5% processing fee.
 **All orders subject to Nelson Technologies terms and conditions (Attached).
 ***Minimum purchase order \$250.

Phone #	Office #	E-mail	Web Site
612-991-6112	952-835-1895	Bborkenhagen@neltechinc.com	www.neltechinc.com



Quotation

Date	Quotation Number	Payment Terms	Validity	Delivery Weeks from Order
02/05/2026	SO13101	30 Days	03/05/2026	1-2

Invoice to Address

City of Perham
 125 2nd Ave NE
 PO Box 130
 Perham MN 56573
 United States
 +1 218-346-5242
 +1 218-457-1284
 ttulibaski@cityofperham.com

Ship to Address

City of Perham, Ted Tulibaski
 802 6th St NE
 Perham MN 56573
 United States
 +1 218-457-1284
 +1 218-346-5242
 ttulibaski@cityofperham.com

[Abriox Part # / Item] Description	Variant	Qty	Rate	Total
[FP-900-09-003] PressureTrac Trial Database Set-Up		1.00	\$ 1,650.00	\$ 1,650.00
[FP-SP-MC-E-1C-N] OSPREY SP - USA (1450 psi) National Pipe Thread. Osprey Solar solution unit mounted in enclosure, with MCA fixing points (MCA Not included), pole mount included. USA Spec. 1 year warranty.	Pressure: 1450 psi	1.00	\$ 3,630.00	\$ 3,630.00
[FP-SP-MC-1010-N] OSPREY SP MULTI-CHANNEL PRESSURE ACCESSORY (145 psi pressure sensor, 145 psi pressure sensor) National Pipe Thread USA Spec. 1 year warranty.	Channel 2: 145 psi pressure sensor, Channel 3: 145 psi pressure sensor	1.00	\$ 1,120.00	\$ 1,120.00
[FP-AC-0500] MERLIN Magnet		1.00	\$ 0.00	\$ 0.00
[FP-IU-01] OSPREY PressureLink Interface Unit		1.00	\$ 746.00	\$ 746.00
[TG1-SPUS] 1-year US airtime package for OSPREY SP (hourly uploads)		1.00	\$ 211.00	\$ 211.00
Freight		1.00	\$ 35.00	\$ 35.00
Miscellaneous - Sales Tax - Minnesota - 6.875%		1.00	\$ 508.20	\$ 508.20

Comments:

Untaxed Amount	\$ 7,900.20
Taxes	\$ 0.00
Total	\$ 7,900.20

Standard Warranty, Terms & Conditions apply (unless otherwise agreed). Available on request.

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