

Alpena County Central Dispatch

720 W. Chisholm Street, Suite #13, Alpena, MI 49707

Non-Emergency Dispatch Center Line: (989) 354-9111

Office: (989) 354-9821



Date: June 23, 2026

To: Full Board of Commissioners

Re: Budget Adjustment Request

Commissioners:

Beginning in 2026 the severe weather warning sirens have been moved from the Emergency Management budget to 911's budget and covered by Ambulance (210) Fund monies. A monthly power bill is paid and annual preventive maintenance is performed along with any necessary repairs seen at the time of the maintenance.

The annual maintenance was recently completed and some necessary repairs were made. The invoice totals \$5,610.21. When allowing for the power bill through the end of the year from current budgeted funds, I am requesting a budget adjustment from the Ambulance (210) Fund in the amount of \$2,438 to pay the invoice for this service.

Appropriate documentation will be attached.

Thank you for your consideration of this request.

Kim Elkie

Kim Elkie
Director



West Shore Services, Inc.

6620 Lake Michigan Dr.
P.O. Box 188
Allendale, MI 49401

Phone # 616-895-4347
Fax # 616-895-7158

INVOICE

Date	Invoice #
6/22/2026	34794

Bill To

Alpena County Central Dispatch
Attn: Kim Elkie - Director
720 W Chisholm Street Suite 13
Alpena, MI 49707

Ship To

Alpena County Central Dispatch
Attn: Kim Elkie - Director
720 W Chisholm Street Suite 13
Alpena, MI 49707

P.O. Number	Project Name		Terms	
	Annual Siren Maintenance		Net 30	
Item	Quantity	Description	Rate	Amount
		Job 6261226		
		2026 Annual inspection and maintenance of the Alpena County Central Dispatch outdoor warning sirens.		
		Dates of Service: June 16th & 17th, 2026		
PM - 2001	5	ANNUAL INSPECTION & PREVENTATIVE MAINTENANCE ON FEDERAL 2001 OUTDOOR WARNING SIREN (S)	575.00	2,875.00
PM - AS	3	ANNUAL INSPECTION & PREVENTATIVE MAINTENANCE. AMERICAN SIGNAL OUTDOOR WARNING SIREN	575.00	1,725.00
		Site 2, RTU 2 - 510 Wilson Street Technician found the number (3) charger to be bad. Replaced with refurbished WSS stock, LED charger. Additional (30) minutes onsite.		
TECH W/BUCKET	0.5	SIREN TECHNICIAN W/ BUCKET TRUCK	175.00	87.50
ES-PART	1	LED Charger - Refurbished	185.00	185.00
		Site 5, RTU 5 - 2233 Woodview Street Technician found water in the antenna system. He replaced the antenna, coax and polyphaser. Additional (1) hour onsite.		
TECH W/BUCKET	1	SIREN TECHNICIAN W/ BUCKET TRUCK	175.00	175.00
Antenna - Maxrad MFB15...	1	Antenna - Maxrad MFB1563 156-162 MHz 3 dB Gain	251.42	251.42
coax jumper 30'	1	coax jumper 30' 330870	94.29	94.29
Q288691A-03	1	RF LIGHTNING PROTECTOR POLYPHASER	217.00	217.00
261-325-932 Kim Elkie 6/23/26			Subtotal	\$5,610.21
			Sales Tax (6.0%)	\$0.00
			Payments/Credits	\$0.00
			Balance Due	\$5,610.21

*** Effective July 1, 2014, we will be adding a 3% fee for all Credit Card payments. ***

West Shore Services, Inc. - Warning Systems Division

Preventative Maintenance Checklists For Mechanical Sirens

Customer Name: Alpena County Central Dispatch **Project #:** 6261226
Contact Info: Kim Elkie, Director - Cell 989-590-2714 **Technician:** Don Shantz
Office: 989-354-9821 **Date:** June 16, 2026

Site Number: 1 **Address:** 1335 North 2nd St. **City:** Alpena
RTU Address: 1 **GPS:** North: 45.070753 **County:** Alpena
Virtual Address: ~ **West:** 83.419868 **State:** Michigan
Location Description: McRae Park

Siren Model: AS T-128-DC **Radio:** CDM 750 **Controller:** H-Series
Cabinet Model: DCFCTBDH: 25829 **Antenna:** MFB 1563 **Mount:** Pole
Battery Agrmt: Yes **Hex Version:** FCM 5_2 **Security Code:** 65535

☒ All equipment mounted securely?	☒ Antenna inspected?
☒ Belts, pulleys or gears inspected and lubricated if Necessary?	☒ Connectors Sealed?
☒ Seals inspected for deterioration and leaks?	☒ Antenna Straight?
☒ Electrical Connections Inspected?	☒ Replaced Desiccant?
☒ Service Entrance Inspected?	☒ Replaced Z-Rust?
☒ Grounding Inspected?	☒ Removed any debris?
☐ Tested emergency shut-off switch?	☐ Locks Installed?
☐ Solar panel cleaned?	☒ Siren activated on batteries?
☐ Two way sirens tested from control point?	☐ Batteries Load tested?
☐ Cleaned Out compressor standpipe drain?	

Voltages: **L1-N:** 122.00 **L2-N:** 122.00 **L3-N:** ~ **Solar:** ~
L1-L2: 244.00 **L1-L3:** ~ **L2-L3:** ~ **TR:** 50.19

FCT Battery Voltage: ~ **FCT Charger Voltage:** ~ **48V to 12V DC Converter:** 13.78
Battery Float Voltage: **B1:** ~ **B2:** ~ **B3:** ~ **B4:** ~ **In Series:** ~
Battery Charger Voltage: **B1:** 13.60 **B2:** 13.60 **B3:** 13.62 **B4:** 13.61 **In Series:** 54.43
Solar Charger Voltage: **B1:** ~ **B2:** ~ **B3:** ~ **B4:** ~ **In Series:** ~
Mo & Yr Battery Installed: **B1:** Aug-25 **B2:** Aug-25 **B3:** Aug-25 **B4:** Aug-25

☒ **Rotation Sensor:** **TP1:** 3.95 **TP2:** 4.19 **TP4:** 3.99
☒ **Chopper Sensor:** **TP1:** 3.93 **TP2:** 7.49 **TP4:** 3.91
☐ **FCT Voltage Sensor:** **Voltage:** ~ **Phase:** ~
☒ **AC Fail** ☒ **Battery Fail** ☒ **Intrusion** ☐ **Pressure Sensor**

Measured Power w/Dummy Load: **Forward Power:** ~ **Reflected Power:** ~ **% Reflected:** ~
Measured Power w/Antenna: **Forward Power:** 28.00 **Reflected Power:** 0.50 **% Reflected:** 0.02

Notes:

The current sensor settings are specific to this siren head, do not adjust to our normal voltagesLow telephone line against pole***

West Shore Services, Inc. - Warning Systems Division

Preventative Maintenance Checklists For Mechanical Sirens

Customer Name: Alpena County Central Dispatch Project #: 6261226
 Contact Info: Kim Elkie, Director - Cell 989-590-2714 Technician: Don Shantz
Office: 989-354-9821 Date: June 16, 2026

Site Number: 2 Address: 510 Wilson St. @ Henry O-O St. City: Alpena
 RTU Address: 2 GPS: North: 45.087419 County: Alpena
 Virtual Address: ~ West: 83.451076 State: Michigan
 Location Description: Pied Piper Opportunity Center - Alpena Softball Field

Siren Model: AS T-128-DC Radio: CDM 750 Controller: H-Series
 Cabinet Model: DCFCTBDH: 25828 Antenna: MFB 1563 Mount: Pole
 Battery Agrmnt: Yes Hex Version: FCM 5_2 Security Code: 65535

☒ All equipment mounted securely? ☒ Belts, pulleys or gears inspected and lubricated if Necessary? ☒ Seals inspected for deterioration and leaks? ☒ Electrical Connections Inspected? ☒ Service Entrance Inspected? ☒ Grounding Inspected? ☐ Tested emergency shut-off switch? ☐ Solar panel cleaned? ☐ Two way sirens tested from control point? ☐ Cleaned Out compressor standpipe drain?	☒ Antenna inspected? ☒ Connectors Sealed? ☒ Antenna Straight? ☒ Replaced Desiccant? ☒ Replaced Z-Rust? ☒ Removed any debris? ☐ Locks Installed? ☒ Siren activated on batteries? ☐ Batteries Load tested?
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Voltages: L1-N: 122.00 L2-N: 122.00 L3-N: ~ Solar: ~
 L1-L2: 244.00 L1-L3: ~ L2-L3: ~ TR: 49.87

FCT Battery Voltage: ~ FCT Charger Voltage: ~ 48V to 12V DC Converter: 54.68
 Battery Float Voltage: B1: 12.61 B2: 10.00 B3: 12.66 B4: 12.74 In Series: 48.01
 Battery Charger Voltage: B1: 13.61 B2: 13.82 B3: 13.61 B4: 13.61 In Series: 54.65
 Solar Charger Voltage: B1: ~ B2: ~ B3: ~ B4: ~ In Series: ~
 Mo & Yr Battery Installed: B1: Aug-25 B2: Aug-25 B3: Aug-25 B4: Aug-25

☒ Rotation Sensor: TP1: 3.95 TP2: 4.20 TP4: 3.99
☒ Chopper Sensor: TP1: 3.92 TP2: 6.47 TP4: 4.64
☐ FCT Voltage Sensor: Voltage: ~ Phase: ~
☒ AC Fail ☒ Battery Fail ☒ Intrusion ☐ Pressure Sensor

Measured Power w/Dummy Load: Forward Power: ~ Reflected Power: ~ % Reflected: ~
 Measured Power w/Antenna: Forward Power: 28.00 Reflected Power: 0.35 % Reflected: 0.01

Notes:

The current sensor settings are specific to this siren head, do not adjust to our normal voltages 6-16-26 Found
 number 3 charger bad. Replaced with uses WS stock LED charger. .5 hour onsite

West Shore Services, Inc. - Warning Systems Division

Preventative Maintenance Checklists For Mechanical Sirens

Customer Name: Alpena County Central Dispatch **Project #:** 6261226
Contact Info: Kim Elkie, Director - Cell 989-590-2714 **Technician:** Don Shantz
Office: 989-354-9821 **Date:** June 16, 2026

Site Number: 3 **Address:** 629 West Campbell St. **City:** Alpena
RTU Address: 3 **GPS:** **North:** 45.061094 **County:** Alpena
Virtual Address: ~ **West:** 83.453396 **State:** Michigan
Location Description: On Stevens Custom Fabrication property next to building #3 by RR tracks

Siren Model: AS T-128-DC **Radio:** CDM 750 **Controller:** H-Series
Cabinet Model: DCFCTBDH: 25830 **Antenna:** MFB 1563 **Mount:** Pole
Battery Agrmnt: Yes **Hex Version:** FCM 5_2 **Security Code:** 65535

☒ All equipment mounted securely?	☒ Antenna inspected?
☒ Belts, pulleys or gears inspected and lubricated if Necessary?	☒ Connectors Sealed?
☒ Seals inspected for deterioration and leaks?	☒ Antenna Straight?
☒ Electrical Connections Inspected?	☒ Replaced Desiccant?
☒ Service Entrance Inspected?	☒ Replaced Z-Rust?
☒ Grounding Inspected?	☒ Removed any debris?
☐ Tested emergency shut-off switch?	☐ Locks Installed?
☐ Solar panel cleaned?	☒ Siren activated on batteries?
☐ Two way sirens tested from control point?	☐ Batteries Load tested?
☐ Cleaned Out compressor standpipe drain?	

Voltages: L1-N: 123.00 L2-N: 123.00 L3-N: ~ Solar: ~
L1-L2: 246.00 L1-L3: ~ L2-L3: ~ TR: 50.22

FCT Battery Voltage: ~ **FCT Charger Voltage:** ~ **48V to 12V DC Converter:** 13.77
Battery Float Voltage: B1: 12.64 B2: 12.68 B3: 12.69 B4: 12.72 **In Series:** 50.73
Battery Charger Voltage: B1: 13.61 B2: 13.61 B3: 13.60 B4: 13.61 **In Series:** 54.43
Solar Charger Voltage: B1: ~ B2: ~ B3: ~ B4: ~ **In Series:** ~
Mo & Yr Battery Installed: B1: Aug-25 B2: Aug-25 B3: Aug-25 B4: Aug-25

☒ **Rotation Sensor:** TP1: 3.98 TP2: 4.19 TP4: 4.04
☒ **Chopper Sensor:** TP1: 3.93 TP2: 7.46 TP4: 3.98
☐ **FCT Voltage Sensor:** **Voltage:** ~ **Phase:** ~
☒ **AC Fail** ☒ **Battery Fail** ☒ **Intrusion** ~ **Pressure Sensor**

Measured Power w/Dummy Load: **Forward Power:** ~ **Reflected Power:** ~ **% Reflected:** ~
Measured Power w/Antenna: **Forward Power:** 30 **Reflected Power:** 0 **% Reflected:** 0.00%

Notes:

The current sensor settings are specific to this siren head, do not adjust to our normal voltages 6-16-26 This site is behind a locked gate. Kim at dispatch will have a key if not open.

West Shore Services, Inc. - Warning Systems Division

Preventative Maintenance Checklists For Mechanical Sirens

Customer Name: Alpena County Central Dispatch **Project #:** 6261226
Contact Info: Kim Elkie, Director - Cell 989-590-2714 **Technician:** Don Shantz
Office: 989-354-9821 **Date:** June 16, 2026

Site Number: 4 **Address:** 1133 Walter St. **City:** Alpena
RTU Address: 4 **GPS:** North: 45.063211 **County:** Alpena
Virtual Address: ~ **West:** 83.492133 **State:** Michigan
Location Description: South of Raymond St.

Siren Model: 2001-130 **Radio:** CDM 750 **Controller:** FCM+
Cabinet Model: DCFCTBDH: 29097 **Antenna:** MFB 1563 **Mount:** Pole
Battery Agrmnt: Yes **Hex Version:** 2_4_0_0 **Security Code:** 65535

☒ All equipment mounted securely?	☒ Antenna inspected?
☒ Belts, pulleys or gears inspected and lubricated if Necessary?	☒ Connectors Sealed?
☒ Seals inspected for deterioration and leaks?	☒ Antenna Straight?
☒ Electrical Connections Inspected?	☒ Replaced Desiccant?
☒ Service Entrance Inspected?	☒ Replaced Z-Rust?
☒ Grounding Inspected?	☒ Removed any debris?
☐ Tested emergency shut-off switch?	☐ Locks Installed?
☐ Solar panel cleaned?	☒ Siren activated on batteries?
☐ Two way sirens tested from control point?	☐ Batteries Load tested?
☐ Cleaned Out compressor standpipe drain?	

Voltages: **L1-N:** 123.00 **L2-N:** 122.00 **L3-N:** ~ **Solar:** ~
L1-L2: 245.00 **L1-L3:** ~ **L2-L3:** ~ **TR:** 48.30

FCT Battery Voltage: ~ **FCT Charger Voltage:** ~ **48V to 12V DC Converter:** 13.46
Battery Float Voltage: **B1:** 12.80 **B2:** 12.82 **B3:** 12.64 **B4:** 12.82 **In Series:** 51.08
Battery Charger Voltage: **B1:** 13.62 **B2:** 13.62 **B3:** 13.61 **B4:** 13.61 **In Series:** 54.46
Solar Charger Voltage: **B1:** ~ **B2:** ~ **B3:** ~ **B4:** ~ **In Series:** ~
Mo & Yr Battery Installed: **B1:** Nov-23 **B2:** Nov-23 **B3:** Nov-23 **B4:** Nov-23

☒ **Rotation Sensor:** **TP1:** 2.50 **TP2:** 3.63 **TP4:** 5.00
☒ **Chopper Sensor:** **TP1:** 3.98 **TP2:** 6.49 **TP4:** 4.64
☐ **FCT Voltage Sensor:** **Voltage:** ~ **Phase:** ~
☒ **AC Fail** ☒ **Battery Fail** ☒ **Intrusion** ☐ **Pressure Sensor**

Measured Power w/Dummy Load: **Forward Power:** ~ **Reflected Power:** ~ **% Reflected:** ~
Measured Power w/Antenna: **Forward Power:** 25.00 **Reflected Power:** 0.00 **% Reflected:** 0.00

Notes:

West Shore Services, Inc. - Warning Systems Division

Preventative Maintenance Checklists For Mechanical Sirens

Customer Name: Alpena County Central Dispatch Project #: 6261226
 Contact Info: Kim Elkie, Director - Cell 989-590-2714 Technician: Don Shantz
Office: 989-354-9821 Date: June 16, 2026

Site Number: 5 Address: 2233 Woodview St. City: Alpena
 RTU Address: 5 GPS: North: 45.083871 County: Alpena
 Virtual Address: ~ West: 83.483153 State: Michigan
 Location Description: North side of Woodview, northeast of Long Rapids Rd.

Siren Model: 2001-130 Radio: CDM 750 Controller: FCM+
 Cabinet Model: DCFCTBDH: 29098 Antenna: MFB 1563 Mount: Pole
 Battery Agrmnt: Yes Hex Version: 2_4_0_0 Security Code: 65535

☒ All equipment mounted securely? ☒ Belts, pulleys or gears inspected and lubricated if Necessary? ☒ Seals inspected for deterioration and leaks? ☒ Electrical Connections Inspected? ☒ Service Entrance Inspected? ☒ Grounding Inspected? ☐ Tested emergency shut-off switch? ☐ Solar panel cleaned? ☐ Two way sirens tested from control point? ☐ Cleaned Out compressor standpipe drain?	☒ Antenna inspected? ☒ Connectors Sealed? ☒ Antenna Straight? ☒ Replaced Desiccant? ☒ Replaced Z-Rust? ☒ Removed any debris? ☐ Locks Installed? ☒ Siren activated on batteries? ☐ Batteries Load tested?
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Voltages: L1-N: 122.00 L2-N: 122.00 L3-N: ~ Solar: ~
 L1-L2: 245.00 L1-L3: ~ L2-L3: ~ TR: 48.03

FCT Battery Voltage: ~ FCT Charger Voltage: ~ 48V to 12V DC Converter: 13.47

Battery Float Voltage:	B1: <u>12.77</u>	B2: <u>12.79</u>	B3: <u>12.79</u>	B4: <u>12.79</u>	In Series: <u>51.14</u>
Battery Charger Voltage:	B1: <u>13.59</u>	B2: <u>13.60</u>	B3: <u>13.59</u>	B4: <u>13.60</u>	In Series: <u>54.38</u>
Solar Charger Voltage:	B1: <u>~</u>	B2: <u>~</u>	B3: <u>~</u>	B4: <u>~</u>	In Series: <u>~</u>
Mo & Yr Battery Installed:	B1: <u>Nov-23</u>	B2: <u>Nov-23</u>	B3: <u>Nov-23</u>	B4: <u>Nov-23</u>	

☒ Rotation Sensor: TP1: 2.51 TP2: 3.65 TP4: 5.00
☒ Chopper Sensor: TP1: 3.98 TP2: 6.49 TP4: 4.64
☐ FCT Voltage Sensor: Voltage: ~ Phase: ~
☒ AC Fail ☒ Battery Fail ☒ Intrusion ☐ Pressure Sensor

Measured Power w/Dummy Load: Forward Power: ~ Reflected Power: ~ % Reflected: ~
 Measured Power w/Antenna: Forward Power: 30.00 Reflected Power: 0.50 % Reflected: 0.02

Notes:

Found water in the antenna system. Replaced antenna and coax also polyphaser. 1 hour on site.

West Shore Services, Inc. - Warning Systems Division

Preventative Maintenance Checklists For Mechanical Sirens

Customer Name: Alpena County Central Dispatch **Project #:** 6261226
Contact Info: Kim Elkie, Director - Cell 989-590-2714 **Technician:** Don Shantz
Office: 989-354-9821 **Date:** June 17, 2026

Site Number: 6 **Address:** 11501 Carriveau Rd. **City:** Alpena
RTU Address: 6 **GPS:** North: 44.90942 **County:** Alpena
Virtual Address: ~ West: 83.48557 **State:** Michigan
Location Description: North of E. Nicholson Hill Rd. west of Ossineke

Siren Model: 2001-130 **Radio:** CDM 750 **Controller:** FCM+
Cabinet Model: DCFCTBDH: 29100 **Antenna:** MYA 1503 **Mount:** Pole
Battery Agrmnt: Yes **Hex Version:** 2_4_0_0 **Security Code:** 65535

☒ All equipment mounted securely? ☒ Belts, pulleys or gears inspected and lubricated if Necessary? ☒ Seals inspected for deterioration and leaks? ☒ Electrical Connections Inspected? ☒ Service Entrance Inspected? ☒ Grounding Inspected? ☐ Tested emergency shut-off switch? ☐ Solar panel cleaned? ☐ Two way sirens tested from control point? ☐ Cleaned Out compressor standpipe drain?	☒ Antenna inspected? ☒ Connectors Sealed? ☒ Antenna Straight? ☒ Replaced Desiccant? ☒ Replaced Z-Rust? ☒ Removed any debris? ☐ Locks Installed? ☒ Siren activated on batteries? ☐ Batteries Load tested?
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Voltages: **L1-N:** 122.00 **L2-N:** 122.00 **L3-N:** ~ **Solar:** ~
L1-L2: 245.00 **L1-L3:** ~ **L2-L3:** ~ **TR:** 47.76

FCT Battery Voltage: ~ **FCT Charger Voltage:** ~ **48V to 12V DC Converter:** 13.51
Battery Float Voltage: **B1:** 12.77 **B2:** 12.75 **B3:** 12.75 **B4:** 12.77 **In Series:** 51.04
Battery Charger Voltage: **B1:** 13.61 **B2:** 13.61 **B3:** 13.61 **B4:** 13.62 **In Series:** 54.45
Solar Charger Voltage: **B1:** ~ **B2:** ~ **B3:** ~ **B4:** ~ **In Series:** ~
Mo & Yr Battery Installed: **B1:** Nov-23 **B2:** Nov-23 **B3:** Nov-23 **B4:** Nov-23

☒ **Rotation Sensor:** **TP1:** 2.49 **TP2:** 3.63 **TP4:** 5.00
☒ **Chopper Sensor:** **TP1:** 3.91 **TP2:** 6.49 **TP4:** 4.64
☐ **FCT Voltage Sensor:** **Voltage:** ~ **Phase:** ~
☒ **AC Fail** ☒ **Battery Fail** ☒ **Intrusion** ☐ **Pressure Sensor**

Measured Power w/Dummy Load: **Forward Power:** **Reflected Power:** **% Reflected:**
Measured Power w/Antenna: **Forward Power:** 35.00 **Reflected Power:** 6.00 **% Reflected:** 0.17

Notes:

6-17-26 This site has a Yagi antenna and tuned for receive frequency reason for high reflected power.

West Shore Services, Inc. - Warning Systems Division

Preventative Maintenance Checklists For Mechanical Sirens

Customer Name: Alpena County Central Dispatch **Project #:** 6261226
Contact Info: Kim Elkie, Director - Cell 989-590-2714 **Technician:** Don Shantz
Office: 989-354-9821 **Date:** June 16, 2026

Site Number: 7 **Address:** 4385 US 23 North **City:** Alpena
RTU Address: 7 **GPS:** North: 45.111061 **County:** Alpena
Virtual Address: ~ **West:** 83.449844 **State:** Michigan
Location Description: Behind the Alpena Twp Offices - Fire Department / Public Works Dept

Siren Model: 2001-130 **Radio:** CDM 750 **Controller:** FCM+
Cabinet Model: DCFCTBDH: 33230 **Antenna:** MFB 1563 **Mount:** Pole
Battery Agrmnt: Yes **Hex Version:** 3_2_0_2 **Security Code:** 65535

☒ All equipment mounted securely?	☒ Antenna inspected?
☒ Belts, pulleys or gears inspected and lubricated if Necessary?	☒ Connectors Sealed?
☒ Seals inspected for deterioration and leaks?	☒ Antenna Straight?
☒ Electrical Connections Inspected?	☒ Replaced Desiccant?
☒ Service Entrance Inspected?	☒ Replaced Z-Rust?
☒ Grounding Inspected?	☒ Removed any debris?
☐ Tested emergency shut-off switch?	☐ Locks Installed?
☐ Solar panel cleaned?	☒ Siren activated on batteries?
☐ Two way sirens tested from control point?	☐ Batteries Load tested?
☐ Cleaned Out compressor standpipe drain?	

Voltages: **L1-N:** 123.00 **L2-N:** 123.00 **L3-N:** ~ **Solar:** ~
L1-L2: 246.00 **L1-L3:** ~ **L2-L3:** ~ **TR:** 48.36

FCT Battery Voltage: ~ **FCT Charger Voltage:** ~ **48V to 12V DC Converter:** 13.48

Battery Float Voltage:	B1: <u>12.70</u>	B2: <u>12.70</u>	B3: <u>12.74</u>	B4: <u>12.69</u>	In Series: <u>50.83</u>
Battery Charger Voltage:	B1: <u>13.49</u>	B2: <u>13.44</u>	B3: <u>13.47</u>	B4: <u>13.42</u>	In Series: <u>53.82</u>
Solar Charger Voltage:	B1: <u>~</u>	B2: <u>~</u>	B3: <u>~</u>	B4: <u>~</u>	In Series: <u>~</u>
Mo & Yr Battery Installed:	B1: <u>Nov-23</u>	B2: <u>Nov-23</u>	B3: <u>Nov-23</u>	B4: <u>Nov-23</u>	

☒ **Rotation Sensor:** **TP1:** **TP2:** **TP4:**
☒ **Chopper Sensor:** **TP1:** **TP2:** **TP4:**
☐ **FCT Voltage Sensor:** **Voltage:** ~ **Phase:** ~
☒ **AC Fail** ☒ **Battery Fail** ☒ **Intrusion** ☐ **Pressure Sensor**

Measured Power w/Dummy Load: **Forward Power:** **Reflected Power:** **% Reflected:**
Measured Power w/Antenna: **Forward Power:** 30.00 **Reflected Power:** 1.50 **% Reflected:**

Notes:

West Shore Services, Inc. - Warning Systems Division
Preventative Maintenance Checklists For Mechanical Sirens

Customer Name: Alpena County Central Dispatch **Project #:** 6261226
Contact Info: Kim Elkie, Director - Cell 989-590-2714 **Technician:** Don Shantz
Office: 989-354-9821 **Date:** June 17, 2026

Site Number: 8 **Address:** US 23 and Bare Point Road **City:** Alpena
RTU Address: 8 **GPS:** North: 45.03269 **County:** Alpena
Virtual Address: ~ West: 83.46526 **State:** Michigan
Location Description: In front of Chemical Bank on Bare Point Road

Siren Model: 2001-130 **Radio:** CDM 750 **Controller:** FCM+
Cabinet Model: DCFCTBDH: 32350 **Antenna:** MFB 1563 **Mount:** Pole
Battery Agrmnt: Yes **Hex Version:** 3_1_0_1 **Security Code:** 65535

☒ All equipment mounted securely?	☒ Antenna inspected?
☒ Belts, pulleys or gears inspected and lubricated if Necessary?	☒ Connectors Sealed?
☒ Seals inspected for deterioration and leaks?	☒ Antenna Straight?
☒ Electrical Connections Inspected?	☒ Replaced Desiccant?
☒ Service Entrance Inspected?	☒ Replaced Z-Rust?
☒ Grounding Inspected?	☒ Removed any debris?
☐ Tested emergency shut-off switch?	☐ Locks Installed?
☐ Solar panel cleaned?	☒ Siren activated on batteries?
☐ Two way sirens tested from control point?	☐ Batteries Load tested?
☐ Cleaned Out compressor standpipe drain?	

Voltages: **L1-N:** 122.00 **L2-N:** 122.00 **L3-N:** ~ **Solar:** ~
L1-L2: 245.~ **L1-L3:** ~ **L2-L3:** ~ **TR:** 47.98

FCT Battery Voltage: ~ **FCT Charger Voltage:** ~ **48V to 12V DC Converter:** 13.47

Battery Float Voltage:	B1: <u>12.72</u>	B2: <u>12.70</u>	B3: <u>12.73</u>	B4: <u>12.76</u>	In Series: <u>50.91</u>
Battery Charger Voltage:	B1: <u>13.46</u>	B2: <u>13.46</u>	B3: <u>13.46</u>	B4: <u>13.48</u>	In Series: <u>53.86</u>
Solar Charger Voltage:	B1: <u>~</u>	B2: <u>~</u>	B3: <u>~</u>	B4: <u>~</u>	In Series: <u>~</u>
Mo & Yr Battery Installed:	B1: <u>Nov-23</u>	B2: <u>Nov-23</u>	B2: <u>Nov-23</u>	B4: <u>Nov-23</u>	

☒ **Rotation Sensor:** **TP1:** 2.50 **TP2:** 3.65 **TP4:** 4.96
☒ **Chopper Sensor:** **TP1:** 3.95 **TP2:** 6.49 **TP4:** 4.68
☐ **FCT Voltage Sensor:** **Voltage:** ~ **Phase:** ~
☒ **AC Fail** ☒ **Battery Fail** ☒ **Intrusion** ☐ **Pressure Sensor**

Measured Power w/Dummy Load: **Forward Power:** **Reflected Power:** **% Reflected:**
Measured Power w/Antenna: **Forward Power:** 28.00 **Reflected Power:** 0.50 **% Reflected:**

Notes: