

**AGENDA  
SCHOOL DISTRICT OF MANAWA  
BUILDINGS & GROUNDS COMMITTEE MEETING**

**Date: October 10, 2018**

**Time: 5:30 p.m.**

**MES Board Room @  
800 Beech St., Manawa**

**Board Committee Members: R. Johnson (C), Scheller, Forbes**

**In Attendance:**

**Timer:** \_\_\_\_\_

**Recorder:** \_\_\_\_\_

1. Land / Site Survey Proposals (Information / Action)
2. Former Elementary School (Information)
3. Generator Replacement Quotes (Information / Action)
4. Door Access Update (Information)
5. Energy Efficiency Project Update (Information)
6. Grounds Update (Information / Action)
  - a. Lawn Care:
    - i. Mowing
    - ii. Weed & Feed
  - b. Snow Removal, Sanding & Salting
7. Buildings & Grounds Committee Planning Guide (Information)
8. Set Next Meeting Date & Time: \_\_\_\_\_
9. Next Meeting Items:
  - a.
  - b.
7. Adjourn

# Summary Land Survey Proposals

## Manawa School District

October 3, 2018

<u>Consultant</u>	<u>Proposed Survey Fee</u>
Point of Beginning, Stevens Point, WI	\$12,150
Rettler Corporation, Stevens Point, WI*	\$ 5,400
Gremmer Associates, Stevens Point, WI	\$11,500
Davel Engineering, Menasha, WI	\$11,500

\*Recommended consultant



**FOLSKE**  
 ELECTRICAL SERVICES  
 INDUSTRIAL • RESIDENTIAL • COMMERCIAL  
 920-420-2798 erik@folskeelectric.com

Name / Address
Manawa School District 800 Beech Street Manawa, Wi 54949

## Estimate

Date	Estimate #
10/8/2018	1746

*Folske Electrical Services is pleased to provide this estimate.*

Description	Total
Complete installation of new generator at Little Wolf Jr./Sr high school  Provide and install (1) 60KW NG Generac genset with transfer switch  Disconnect and remove existing generator Set new generator in existing fenced in area on concrete Install conduit and wiring required to feed gen-set Install gas piping to genset from building Provide start-up and testing Replace existing transfer switch, rework conduit piping as needed  Install new 120/208v SQD panel board for additional Emergency circuit distribution Install conduit and wiring to kitchen area to feed cooler and freezer from EM panel, disconnect existing power source Install conduit and wiring to office area server room to feed server rack receptacles. (2) circuits from EM panel Install conduit and wiring to Rm 203B server room. Re-feed server rack receptacles from EM panel Install conduit and wiring to Library area server room. Re-feed server rack receptacles from EM panel	65,511.65

*All material is guaranteed to be as specified. All work to be completed in a workmanlike manner according to standard practices. Alterations or deviations from above specifications involving extra cost will be billed at time and material. Our employees are covered by workman's compensation insurance. Prices listed are firm for 15 days unless otherwise noted." I accept this estimate, I'm an authorized representative of property where work is being preformed. Terms are net 30 days. All conflicting terms or additional terms in Buyer's purchase order or any other such documents of Buyer will have no force or effect. Projects more than 30 will be progress invoiced monthly. Unpaid balances over 30 days are subject to 1.5% monthly 18% APR finance fee.*

Signature \_\_\_\_\_ Date \_\_\_\_\_

**Total** \$65,511.65

# AIR CONDITIONING AND CRITICAL EQUIPMENT SUPPORT SYSTEMS

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<b>COMPANY:</b>	School District of Manawa 515 E 4th st, Manawa, WI 54959	<b>PROPOSAL #:</b>	DJW136C-18-0909 QT20204073
<b>ATTN:</b>	Dr. Melanie Oppor 920-596-2525	<b>PAGES:</b>	5
<b>EMAIL:</b>	<a href="mailto:moppor@manawaschool.org">moppor@manawaschool.org</a>	<b>DATE:</b>	October 1, 2018
<b>FROM:</b>	Derek Wolff		
<b>PROJECT:</b>	Manawa High School 60kW Generator Set and Automatic Transfer Switch		

## Item A: 60kW Generator Set

Quantity 1 - Generac Industrial gaseous engine-driven generator, naturally-aspirated 6.8L V-10 engine, consisting of the following features and accessories:

- Stationary Emergency-Standby rated
- **60 kW Rating, wired for 277/480 VAC three phase, 60 Hz**
- Permanent Magnet Excitation
- Standard Weather Protective Enclosure, Steel
  - Industrial Grey Baked-On Powder Coat Finish
- UL2200
- EPA Certified
- H-100 Control Panel
  - Meets NFPA 99 and 110 requirements
  - Temp Range -40 to 70 degrees C
  - Digital Microprocessor:
    - Two 4-line x 20 displays, full system status
    - 3 Phase sensing, +/-0.25% digital voltage regulation
    - RS232, RS485 and Canbus remote ports
    - Waterproof connections
    - All engine sensors are 4-20ma for minimal interference
    - Programmable I/O
    - Built-in PLC for special applications
  - Engine function monitoring and control:
    - Full range standby operation; programmable auto crank, Emergency Stop, Auto-Off-Manual switch
    - Isochronous Governor, +/-0.25% frequency regulation
    - Full system status on all AC output and engine function parameters
    - Service reminders, trending, fault history (alarm log)
    - I2T function for full generator protection
    - Selectable low-speed exercise
  - HTS transfer switch function monitoring and control

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- 2-wire start controls for any 2-wire transfer switch
- Fuel system - Dual-Fuel
  - Natural Gas primary
  - LP Liquid secondary
- Standard MLCB, 80% rated thermal-magnetic
  - **100 Amp**
  - Shunt trip and Auxiliary Contacts
- 21 Light Remote Annunciator
  - Surface-Mount
  - Integral 8 Function Relay Board
- Battery Heating Pad
- Battery Charger, 10 Amp, NFPA 110 compliant, installed
- 110 AH, 925 CCA Group 31 Battery, with rack, installed
- Coolant Heater, 1500W
- AC/DC Enclosure Interior LED Lighting Kit
- Std set of 3 Manuals
- 120V GFCI and 240V Outlet
- 8 Position Load Center
- Engine Run Relay
- Flex Fuel Line
- Standard 2-Year Limited Warranty
- SG0060KG036.8P18HPYYA

## Automatic Transfer Swith:

100 Amp, 480Volt, 3 pole  
D3ATSA3104NG0C  
Open Transition  
NEMA1

**Total investment for the above equipment (Not including any applicable tax or freight).....\$25,236.00**



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## Comments and Clarifications:

Startup Included

Load Bank Testing Included

Freight Included (Off Loading by Others)

Natural Gas Piping by Others

Installation and Permitting by others.

Estimated Delivery: 8- 10 weeks

Prices valid for 90 days from above date

FOB: Jobsite

## Item B: Installation / Labor

1. Disconnect power to existing transfer switch and generator. Temporary hook so all circuits energized.
2. Be there to take out existing generator and set new generator.
3. Install new transfer switch and new wire to match generator size.
4. Install new 277/480 volt panel in basement to feed existing circuits and new 3-phse transformer.
5. Set new 120/208 volt panel fed from transformer to feed existing 120 volt circuits and (4) added circuits, (3) head end computer circuits, (1) 120 volt cooler circuit, (1) 220 volt cooler circuits and (1) 3-phase freezer circuit.
6. Run a RS485 from generator set to Main Office for annunciator panel.
7. Install new 100 amp switch in main service and new wire to feed transfer switch. Note: 60A switch & wire now.
8. Price includes an allowance for a crane to pick up the old generator and set the new generator and an allowance for gas piping with a new regulator for the new generator.
9. Price includes an allowance to increase the size of the chain link fence for a larger generator door openings and to service generator.

**Total Installation Cost (Not including any applicable tax).....\$18,614.00**

## Terms & Conditions:

- Quotation Valid for 45 days
- Price does not include tax

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INC.  


- Terms are Net 30 Days, subject to manufacturer's approval
- Standard Terms & Conditions apply (attached and available online:  
<http://www.emersonnetworkpower.com/en-US/About/Pages/Terms-and-Conditions.aspx>)
- Please address Purchase Orders to:  
Liebert Corporation c/o Access, Inc.  
844 Ehlers Road  
Neenah, WI 54956-1415

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Derek Wolff  
Account Representative

All sales, use or other taxes levied in respect to material itemized herein **are not** included in this quotation. Our standard terms and conditions of sale, available for review on our above website, apply to this proposal. We **do not** accept credit cards for payment of invoices over \$5,000.00. Pricing for this proposal is valid for 30 days