

**VILLAGE PRESIDENT**  
Ray Danford

**VILLAGE CLERK**  
Jerry Menard

**VILLAGE TRUSTEES**  
Rita Baker  
Charlie Mattern  
Kevin Groth  
Corby Valentine  
Steve Smith  
Tony Miller

# VILLAGE OF FREEBURG

**FREEBURG MUNICIPAL CENTER**  
14 SOUTHGATE CENTER, FREEBURG, IL 62243  
PHONE: (618) 539-5545 • FAX: (618) 539-5590  
Web Site: www.freeburg.com

**VILLAGE ADMINISTRATOR**  
Dennis Herzing

**VILLAGE TREASURER**  
Bryan A. Vogel

**PUBLIC WORKS DIRECTOR**  
Ronald Dintelmann

**POLICE CHIEF**  
Melvin E. Woodruff, Jr.

**VILLAGE ATTORNEY**  
Stephen R. Wigginton

September 5, 2008

## NOTICE

### MEETING OF THE ELECTRIC COMMITTEE (Valentine/Smith/Miller)

An Electric Committee Meeting of the Village of Freeburg will be held at the Municipal Center, Executive Board Room, **Tuesday, September 9, 2008, at 5:30 p.m.**

### ELECTRIC COMMITTEE MEETING AGENDA

#### I. Items To Be Discussed

##### A. Old Business

1. Approval of August 13, 2008 minutes
2. South Circuit Contract update/Lugge easement
3. Power Plant update
4. Switchover of Ameren to Freeburg power
5. Village of Freeburg utility needs analysis
6. Electric meter replacement and financing
7. Underground line to St. Joseph and St. Paul's.
8. Warning sirens
9. Replacement of old power plant doors
10. New power plant gate

##### B. New Business

1. Holtzmann annexation

##### C. General Concerns

##### D. Public Participation

##### E. Adjourn

At said Electric Committee Meeting, the Village Trustees may vote on whether or not to hold an Executive Session to discuss the selection of a person to fill a public office [5 ILCS, 120/2 - (c) (3)], litigation [5 ILCS, 120/2 - (c)(11)] personnel [5 ILCS, 120/2 - (c) (1) a.]; or real estate transactions [5 ILCS, 120/2 - (c)(5)].

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ELECTRIC COMMITTEE MEETING  
Thursday, September 11, 2008 at 7:00 p.m.

The meeting of the Electric Committee was called to order at 7:00 p.m. on Thursday, September 11, 2008 by Chairman Corby Valentine. Committee members present were Chairman Corby Valentine, Trustee Steve Smith, Trustee Tony Miller, Trustee Kevin Groth, Trustee Rita Baker, Administrator Dennis Herzing, Public Works Director Ron Dintelmann and Office Manager Julie Polson. Guests present: Dave Stephens and Dean Park of BHM&G and Bob Elden.

## A. OLD BUSINESS:

1. Approval of August 13, 2008 minutes: *Trustee Tony Miller motioned to approve the minutes of August 13, 2008 and Trustee Steve Smith seconded the motion. All voting aye, the motion carried.*

2. South Circuit Contract/Lugge easement: Ron advised the committee we saved approximately \$40,000 - \$45,000 by completing this project ourselves. Corby requested this item be taken off the agenda.

3. Power Plant: Dave Stephens and Dean Park of BHM&G were present to discuss the Altorfer bill in the amount of \$37,854.00. Dave Stephens provided the background to the problem. He said when the original specifications were written up, they only addressed the north power plant operations and did not include the issue of both plants being able to load share with each other. They felt it was a better option to be able to open the bid up to suppliers and manufacturers other than CAT. From there, it was their intent to have the units tested and allow a system that could load share between the plants. ISO's bid to correct the problem was over \$90,000 (equipment only price). They contacted Altorfer who had Entercon implement the system with help from Altorfer, BHM&G and ISO. Tony asked who was responsible for the damages done to some residents and businesses received when ISO did the testing. Corby said the problem they dealt with was the almost year-long delay in the startup of the plant. He said there was a risk involved with us not being able to generate if IMEA needed us to. Steve asked what the breakdown of the \$28,249 charge for the design, fabrication and material/components of the panel is. Ron advised we would have needed the gear regardless of the timing. He is not sure how much more the charge would have been for the PLC programming. After discussion by the committee, they agreed they would have had to pay most of the costs associated with getting the problem fixed. Dennis suggested a credit be issued against our account for the amount agreed upon. The committee felt a \$5,000 credit which would represent about half of our labor costs. Dave Stephens said BHM&G would agree to a \$5,000 credit on our account. Note: The Village has already paid the Altorfer bill.

Trustee Tony Miller motioned to recommend to the full Board a \$5,000 be issued to the Village of Freeburg's account with BHM&G and Trustee Steve Smith seconded the motion. All voting aye, the motion carried.

4. Switchover of Ameren to Freeburg power: Nothing new to report.
5. Village Utility Needs Analysis: Nothing new to report.
6. Electric meter replacement and financing: Nothing new to report.
7. Underground line to St. Joseph and St. Paul's: Ron said they will start on this project in about two weeks.
8. Warning sirens: Ron reported we don't have the defective siren back. They are having a problem fixing it. He will check with Gene Kramer to see how much it would cost to buy a controller.
9. Replacement of old power plant doors: Nothing new.
10. New power plant gate: Ron reported the gate is operational. All employees have a swipe card including the police department. It reports who entered, when and how long they stayed and Ron is satisfied with it. item can be taken off the agenda.

**B. NEW BUSINESS:**

1. Holtzmann Service: An invoice for the costs of providing electric service to Bill Holtzmann was discussed. Dennis advised Bill has received the invoice and will pay it. He will have a metered service with all power being metered. Ron advised he got the numbers on the invoice from the quantities used by Shane and Clark. Ron said to be fair, the boring is done at our discretion. Tony said in the future, he would appreciate these projects be brought to the committee and Ron advised they will. Tony also said he has no issue with the costs. Ron advised the primary cost was around \$8,100 to get electric back there.

Dennis advised the committee we do have another resident in that area interested in annexing into the Village.

**C. GENERAL CONCERNS:** Trustee Groth said he would like to thank the police department and the first responders on this day of remembrance.

**D. PUBLIC PARTICIPATION:** None.

**ADJOURN:** Trustee Tony Miller motioned to adjourn at 8:01 p.m. and Trustee Steve Smith seconded the motion. All voting aye, motion carried.

Julie Polson  
Office Manager



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## ELECTRIC COMMITTEE MEETING Wednesday, August 13, 2008 at 5:30 p.m.

The meeting of the Electric Committee was called to order at 5:30 p.m. on Wednesday, August 13, 2008 by Chairman Corby Valentine. Committee members present were Chairman Corby Valentine, Trustee Steve Smith, Trustee Tony Miller, Administrator Dennis Herzing, Public Works Director Ron Dintelmann, Assistant Public Works Director John Tolan and Office Manager Julie Polson.

### A. OLD BUSINESS:

1. Approval of July 9, 2008 minutes: Trustee Tony Miller motioned to approve the minutes of July 9, 2008 and Trustee Steve Smith seconded the motion. All voting aye, the motion carried.
2. South Circuit Contract/Lugge easement: Ron said on hot days he may have to put some regulators or capacitors on the line, but it is not a major thing. He will provide a cost analysis at the next committee meeting.
3. Power Plant: The Altorfer bill in the amount of \$37,854.00 has been received (again). Dave Stephens of BHM&G had previously presented it to the committee in January. Ron called Dave about the bill and asked who should pay it and he said we should. The bottom line is we told Altorfer to do the work, but we should go after BHM&G to pay this bill. Ron thinks Dave has a breakdown of the costs and Steve said he wants to see that. This bill had previously been approved for payment at the January committee meeting. The committee agreed to go ahead and pay Altorfer but ask for 100% reimbursement from BHM&G.
4. Switchover of Ameren to Freeburg power: Ron reported there is nothing new. Corby commented that IMEA is saying to do it and we will test the waters.
5. Village Utility Needs Analysis: Nothing new to report. Dennis advised the committee he will have Attorney Wigginton respond to Tom Carpenter's requests.
6. Electric meter replacement and financing: Ron is working on the bid process.
7. Underground line to St. Joseph and St. Paul's: Ron said they will start on this project in about two weeks.
8. Warning sirens: The siren on Old Fayetteville Road has been fixed. The siren at Deerfield was sent to Federal Siren to be repaired. It is still not fixed and Ron switched it with the one at Saturn Terrace since we have a high number of mobile homes at Deerfield. Someone is coming out at the end of this week to work on the siren at Saturn Terrace.

**B. NEW BUSINESS:**

1. Fire Protection Inspection Reports: The Freeburg Fire Department inspected the Village properties and noted the doors at the old power plant swing in. He believes the doors are original to the building and would like to replace them. They should be installed with panic hardware and would also like to look at swipe card access. He asked the committee if this should be bid or get some quotes first. He also noted the shed does not meet code. There is money in the budget for building repairs. The committee decided to have Ron get some preliminary costs.

Ron wanted to address the issue of the gate at the new power plant. He said they've been going back and forth with 1st Choice Fence on what needs to be done. They were back about a week ago and put in the detector loops. Shane has tried to do the work but the manufacturer won't talk to him. They keep saying they are waiting on us, but we have bent over backwards on helping them get this project done. Ron asked the committee to allow Dennis to write them a letter giving them a deadline to get the work done (9/4/08) and if it is not completed, we will keep the remaining \$5,000.

**C. GENERAL CONCERNS:** None.

**D. PUBLIC PARTICIPATION:** None.

**ADJOURN:** *Trustee Tony Miller motioned to adjourn at 6:15 p.m. and Trustee Steve Smith seconded the motion. All voting aye, motion carried.*



Julie Polson  
Office Manager



September 2, 2008

Mr. Dennis R. Herzing, P.E.  
Village Administrator  
Village of Freeburg  
14 Southgate Center  
Freeburg, Illinois 62243

Ref: North Power Plant  
Load Sharing System – Altorfer Invoice

Dear Mr. Herzing:

In your letter dated August 13, 2008 you have requested BHM&G to reimburse the Village of Freeburg the amount of \$37,854.00 as invoiced by Altorfer, Inc. for the CAT generator load sharing system. The request came as quite a surprise. In our meeting of January 9, 2008, BHM&G was requested to obtain a cost breakdown on the Altorfer quotation; the committee stated that they would be willing to pay for the load sharing equipment but expressed that the Village should not be responsible for the cost of installation. No agreement was established by the Village or BHM&G. As requested, the Altorfer cost breakdown was forwarded to Ron on February 13, 2008.

BHM&G Engineers is in disagreement with the Village of Freeburg. The Altorfer/Enercon system for load sharing the North Plant CAT units with the South Plant CAT units was never in Altorfer's scope of supply or scope of work.

The BHM&G Specifications for Power Plant Generating Equipment, B1122 K001, was prepared to encourage state-of-the-art controls from a variety of manufacturers; the sequence of operation requirements addressed only the North substation and power plant. The control system was designed for automatic operation of the generator sets as applicable to the contractor's scope of supply, including baseload and standby operation. "Whenever the generators are serving the load isolated from the utility source (utility breakers open) the control circuits shall interconnect each engine generator control module for isochronous load sharing operation." The specifications addressed the North power plant only and deliberately did not include South plant operations.

The specifications were released in March, 2005, bids were opened April 22, 2005; four bids were received for high speed and medium speed generating

units, engine generators from Cummins, CAT and EMD. The intent was to include South plant operations at a later date, when the vendor and manufacture were selected, the control system established and the North plant units tested. Attempting to incorporate the South plant CAT designed engines and controls would have severely restricted manufacturers other than Caterpillar.

Altorfer was awarded the contract; the North plant engine/generator controls were designed, manufactured and programmed by ISO – a subsidiary of Caterpillar Tractor Co. After initial testing of the North plant, ISO's proposal to interconnect the two remote plants was to replace the South unit controls with ISO control panels at an equipment cost of \$ 91,500.00; demolition and installation would have been at an additional cost. ISO's proposal was carefully reviewed and rejected; another proposal was solicited from Altorfer and Enercon. The Altorfer proposal was for \$ 39,854.00, equipment manufactured, delivered and installed. BHMIG provided installation assistance and the necessary system operation inputs from the Freeburg SCADA system.

As witnessed by the Village staff, the interconnect and load sharing system is complicated, Freeburg's electric system is complex with a variety of plant operating configurations. The system development was extensive and testing difficult; BHMIG provided direction and assistance to Altorfer, Enercon and ISO.

In summary, BHMIG is of the opinion that the Village of Freeburg is responsible for the cost of the load sharing system since it was clearly not in the original scope of work. BHMIG has expended hundreds of manhours in the review of the ISO and Enercon systems, assisting in the installation and providing critical direction to place the load sharing system in operation. We have conducted ourselves with professional courtesy and represented the Village of Freeburg in a fair and reasonable manner.

We thank you for considering BHMIG Engineers position and would request the opportunity to present our position to the Village of Freeburg Electric Committee. If you have any questions or would like to receive additional information please give me a call; we hope to resolve this matter in a fair and mutually satisfactory manner for Freeburg and BHMIG.

Regards:

**Barnes, Henry, Meisenheimer and Gende, Inc.**



David E. Stephens, P.E.



CEDAR RAPIDS • DAVENPORT • E. PEORIA • HANNIBAL • MOBERLY • ROCK FALLS • SPRINGFIELD • URBANA

February 13, 2008

Mr. Dave Stephens  
BHMG Engineers  
630 Jeffco Blvd  
Arnold, MO 63010

RE: Freeburg South Power Plant Switchgear Modifications

Dave,

As requested, Altorfer Power Systems would like to provide a cost breakdown for the new Enercon PLC load share controls to be installed at Freeburg's South Power Plant.

Panel – design, fabrication and material/components \$ 28,249.00

PLC programming & Field Services (installation, start-up & testing) \$ 9,605.00

Altorfer has been assured by Enercon Engineering they have designed and installed, with successful results, similar load sharing controls on other Municipal Utility power plants. We feel confident in their ability to provide the same results for Freeburg.

Sincerely,

*Jay Bradford*

Jay Bradford  
Altorfer Power Systems