

VILLAGE PRESIDENT
Ray Danford

VILLAGE CLERK
Jerry Menard

VILLAGE TRUSTEES
Rita Baker
Seth Speiser
Charlie Mattern
Ray Matchett, Jr.
Steve Smith
Mike Blaies

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
Weilmuenster Law Group, P.C

September 12, 2011

NOTICE

MEETING OF THE ELECTRIC COMMITTEE (Blaies/Smith/Matchett)

An Electric Committee Meeting of the Village of Freeburg will be held at the Municipal Center, Executive Board Room, **Wednesday, September 14, 2011, at 5:30 p.m.**

ELECTRIC COMMITTEE MEETING AGENDA

I. Items to be Discussed

A. Old Business

1. Approval of August 10, 2011 minutes
2. Switchover of Ameren to Freeburg power
3. Village of Freeburg utility needs analysis
4. Franchise Fee (Ameren)
5. Highway lighting
6. HAPS
7. Portable Generator repair and replacement
8. Fuel Cost Adjustment
9. Ameren Automated Metering
10. Arc Flash Study
11. Spill containment/Wiegmann's expansion
12. Chubb Insurance Inspection
13. Kentucky Data Link Request
14. HD Supply Safety Audit
15. Digger truck/Demo
16. American Tower Request
17. Spreadsheet of agreements
18. Policy on backup generators
19. Work on electric poles/transformers behind grade school
20. Lineman position
21. Professional Metal Works purchase of lot

B. New Business

1. Backhoe
2. Generator Capacity Test
3. APPA Report

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
Wednesday, September 14, 2011 at 5:30 p.m.

The meeting of the Electric Committee was called to order at 5:32 p.m. on Wednesday, September 14, 2011 by Chairman Mike Blaies. Committee members present were Chairman Mike Blaies, Trustee Steve Smith, Trustee Ray Matchett, Assistant Public Works Director John Tolan, Village Administrator Dennis Herzing and Office Manager Julie Polson. Guest present: Janet Baechle.

A. OLD BUSINESS:

1. Approval of August 10, 2011 minutes: Trustee Steve Smith motioned to approve the August 10, 2011 minutes and Trustee Ray Matchett seconded the motion. All voting aye, the motion carried.
2. Switchover of Ameren to Freeburg power: John contacted Jason Klein of Ameren to set up the switchover at the nursing home. We are waiting on them. John said we've cleaned up a lot of the old material north of town by Dennis.
3. Village Utility Needs Analysis: Item can be taken off the agenda.
4. Franchise Fee (Ameren): Nothing new.
5. Highway lighting: John and Dennis met with a salesman who stated in 2013 all sodium vapor lights will be gone and we have to switch over to LED. He provides an energy efficient LED light with a 27-year warranty at a cost of \$400 per light. John said we could put up some test lights and see how they work. We can also check with IMEA to see what other towns are doing and said we definitely need to budget for this in the near future. Dennis is concerned if we purchase lights through this guy, will he be around in 27 years?
6. HAPS: John said BHM&G will be here tomorrow and Friday to install test ports. We are through our peak period and only doing preparatory work. There are no units offline.
7. Portable Generator Repair and Replacement: John found some paperwork on Ron's desk that showed a new generator cost of \$60,000.
8. Fuel Cost Adjustment: Nothing new.
9. Ameren Automated Metering: John said the work is done. Item can be taken off the agenda.
10. Arc Flash Study: Chuck from BHM&G gave us a list of items needed, i.e. wire length and sizing, and John is scheduling a meeting next week with him to review all needed information.

11. Spill containment/Wiegmann: Dennis said Dean Park is waiting on information requested from Wiegmanns.
12. Chubb Insurance Inspection: Julie said we received our renewal policy. Item can be taken off the agenda.
13. Kentucky Data Link/Windstream Request: John said they are done working in Freeburg. Item can be taken off the agenda.
14. HD Supply Safety Audit: We will change the heading of this to safety training. John is going to talk to Coy of HD Supply because we are ordering items that are needed in order for the items to work with each other and we are not receiving them at the same time. John would also like to see a state certified class done in trenching and shoring.
15. Digger truck/demo: John said it will be delivered tomorrow and we'll be placing the poles for the Jr. Midgents football team. We will have the demo for approximately one month.
16. American Tower Request: We have not heard back from American Tower.
17. Spreadsheet of agreements: Ongoing.
18. Policy on backup generators: Dennis received some information from IMEA on what other communities are doing. The office staff is aware that a permit is now required.
19. Work on electric poles/transformers behind grade school: John is working with the school to get this project scheduled and said we will do the work over a couple of days.
20. Lineman position: We have not done anything on this and will get started on it. We'll put an ad in the paper and contact IMEA.
21. Professional Metal Works purchase of lot: John will have Shane meet with Dennis Kaiser.

B. NEW BUSINESS:

1. Backhoe: Dennis asked if we need another 4wd backhoe and John said no, we could get by with a 2wd. Dennis would like to talk to Dave Butz of H. Edwards to see what a 2wd backhoe would cost. We would finance the purchase through one of the local banks. Dave is holding the state bid price until September 30th.

Trustee Ray Matchett motioned to recommend to the full Board the purchase of a backhoe not to exceed \$46,500 and Trustee Steve Smith seconded the motion. All voting aye, the motion carried.

2. Generator Capacity Test: Dennis said this is the URGE testing report - everything went fine.
3. APPA Report: This was provided for informational purposes.

Steve asked about an article he read concerning deregulation and Dennis said that does not apply to us. He will get the article from IMEA and distribute a copy to everyone. John said we've had problems with trailer parks and the electrical repairs that have been done. He, Dennis and Jane met with the county inspector at the trailer park. We own the electric and want better repairs.

As the owner of the system, we have the ultimate say on whether or not a repair is satisfactory. Inspections will be needed from now on.

John reported vandalism to the north plant. The lock to the man gate was cut and several wires were cut to see if they were copper. We lost about 20 feet of wire. We are going to install another light by the gate with a motion detector and look into possibly purchasing an alarm system.

C. **GENERAL CONCERNS:** None.

D. **PUBLIC PARTICIPATION:** Janet again asked about Ritchie's auctions and Dennis said it would be very time intensive to try to purchase a vehicle this way.

E. **ADJOURN:** *Trustee Steve Smith motioned to adjourn at 6:33 p.m. and Trustee Ray Matchett seconded the motion. All voting aye, the motion carried.*



Julie Polson
Office Manager

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ELECTRIC COMMITTEE MEETING Wednesday, August 10, 2011 at 5:30 p.m.

The meeting of the Electric Committee was called to order at 5:30 p.m. on Wednesday, August 10, 2011 by Chairman Mike Blaies. Committee members present were Chairman Mike Blaies, Trustee Steve Smith, Trustee Ray Matchett, Assistant Public Works Director John Tolan, Village Administrator Dennis Herzing and Office Manager Julie Polson. Guest present: Janet Baechle.

A. OLD BUSINESS:

1. Approval of July 13, 2011 minutes: Trustee Ray Matchett motioned to approve the July 13, 2011 minutes and Chairperson Mike Blaies seconded the motion. All voting aye, the motion carried.
2. Switchover of Ameren to Freeburg power: John said we still have to take care of Mueth's garage and the nursing home parking lot lights.
3. Village Utility Needs Analysis: The proposed ordinance was attached for the 10-year gas franchise agreement with Ameren. Steve questioned the language in Section 8 where it states once the contract expires, it continues on a year-to-year basis. He thought we should consider a month-to-month agreement. The committee discussed this and felt the year-to-year extension was fine. Steve also questioned under Section 14 if we wanted the option of a utility tax. Dennis said this section is talking about charges for infrastructure. Dennis is unsure if we can assess a franchise fee for gas as it is probably governed by state statute. He did send an email to Breese and they are doing basically the same agreement as we are with Ameren.
4. Franchise Fee (Ameren): Nothing new.
5. Highway lighting: Nothing new.
6. HAPS: John said BHM&G was out last week fitting the units with blankets. Dennis said we received a FOIA request from one of the guys that worked out there on behalf of BHM&G. Dennis said we have a fixed contract price for the project with BHM&G and haven't had any contact from that guy since.
7. Portable Generator Repair and Replacement: John will follow up with Ron on this. Dennis checked with St. Clair Service and we are receiving pure diesel from them.
8. Fuel Cost Adjustment: Dennis said we had to replace the meter and will need a couple more months of readings to see what we should be billing for the security lights. John said we received the map from BHM&G that has each streetlight's location.
9. Ameren Automated Metering: John said we are about halfway done but have been working on the football field. Once that work is done, we'll get back on this project.

10. Arc Flash Study: BHM&G is working on this but we haven't seen any results of their study.
11. Spill containment/Wiegmann: Dennis met with Roger Skaer and two other representatives of Hubbell along with Dean Park. He said they were pretty receptive to our ideas. Once they walked the area and saw the existing infrastructure, Dennis said we won't have a lot of work to get this done. Hubbell will have to build an enclosure and also build a box on the side of the wall to get rid of the weather heads. Dennis also checked with IMEA and as long as we have the work done by the end of next year, we will receive the \$30,000 grant. Dennis said Hubbell is very happy we are addressing the safety concerns.
12. Chubb Insurance Inspection: T&R was out, tested and fixed the transformers. We have not received a bill for the work.
13. Kentucky Data Link/Windstream Request: John said the work is about 90% complete.
14. HD Supply Safety Audit: John said we have received almost all of the safety equipment from HD. He still wants to come up with written procedures that the guys would have to read and sign off on. We will ask HD Supply to help write the procedure since they conducted the training on the safety equipment.
15. Traffic Light at Market Place: Dennis hasn't contacted IDOT about removal of the light. A copy of Koppeis' response is included in the packet. Obviously, he does not agree with our stance of not intending to pay the bill or maintain the light. Dennis said we are stuck with this and has already placed the bill in line for payment. Item can be taken off the agenda.
16. Digger truck/demo: John said we are waiting on the demo truck and has a list of projects to work on when we receive it. A new truck would cost around \$150,000.
17. American Tower Request: American Tower has offered the Village \$86,000 for the purchase of the cell tower with a perpetual easement request. Dennis sent an email to them asking if they would consider less than a perpetual easement and also if they would offer a share of future revenues. When he hears back from the representative, he will invite him to an upcoming committee meeting. Dennis said Mayor Danford is not in favor of selling it.
18. Spreadsheet of agreements: Steve asked if another column could be added to the spreadsheet that would list any liability to the Village. Others to add include the MEGSI, FSH, IMEA and Salt Dome agreements. Steve asked for this list to be incorporated with the 3- to 5-year plan.
19. Policy on backup generators: Dennis asked IMEA for information on this. They forwarded information from other municipalities and he will review it in more detail. At the present time, we will require anyone with a backup generator to come in and apply for a service upgrade and the county will inspect the work.

John asked about the costs that should be billed to the Jr. Midget football team for the electric work done on their field. Dennis will prepare a letter to John Davinroy on it. John has talked to the grade school about eliminating all of the electric poles behind them. He would like the whole area underground and cleaned up. He would also like to take the pole mounted transformer lying on the ground and replace it with a pad mounted transformer. He suggested enclosing the current transformer with some fencing over the top of it to make it safe. John talked

to the guys about hiring an apprentice lineman and they thought it was a good idea. John thinks it would be tough to get a lineman in here with our pay scale. John suggested we send a request to IMEA. He told the committee the lineman certification test will be held on 10/18 and will send the information to Julie to get Tim signed up. The committee wanted to advertise for the lineman position. Steve asked John if he had updated the 3- to 5-year plan and John has not.

B. NEW BUSINESS: Steve talked to Dennis Kaiser of Professional Metal Works and he wants to move forward with purchasing the lot currently held by Philips Kiln. Dennis Kaiser wants to know if there are any concessions that might be offered. Dennis said Shane or Clark should go out and see what would be needed to run electric to the new building. John thinks it should only be offered for outside work. Dennis will call Kaiser and set up a meeting. Philips Kiln has requested their money back and Dennis will call the attorney have closing documents prepared and the closing scheduled.

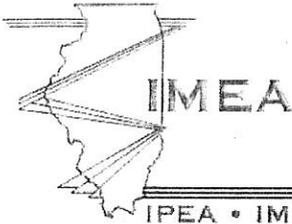
C. GENERAL CONCERNS: None.

D. PUBLIC PARTICIPATION: Janet asked if we had gone to Ritchie's auctions to check on the trucks and Dennis said the inventory changes daily. Mike said maybe when we are closer to purchasing a vehicle we might check it out. John said he doesn't want any old trucks for the electric department.

E. ADJOURN: *Trustee Steve Smith motioned to adjourn at 6:40 p.m. and Trustee Ray Matchett seconded the motion. All voting aye, the motion carried.*



Julie Polson
Office Manager



RECEIVED
SEP 03 2011

3400 CONIFER DRIVE, SPRINGFIELD, IL 62711
217-789-4632 / FAX 217-789-4642

September 2, 2011

Mr. Ronald Dintelmann
Director of Public Works
600 Dintelmann Lane
Freeburg, Illinois 62243

Dear Ron:

Enclosed is a draft copy of the Agency's report on the generator capacity test performed on the units at Freeburg on June 21st and 27th, 2011. This report contains worksheets and test data along with our observations and recommendations. When finalized, this report forms the basis for future capacity payments to the Village of Freeburg for the dedicated units and determines the net capacity expected when this generation is exercised or called upon by IMEA Control Center personnel.

After reviewing Table 1, please enter your "Declared Net kW Capability" values for each unit (if you wish to limit unit operation to a lesser amount than indicated by the net tested capability) and fax this page to the attention of Tanner Jones at 217-789-4642. Note that the maximum net capability that can be declared for Units #10, 11 and 12 is 5249 kW, per the conditions under which these three units were dedicated as replacement capacity.

Please contact me if you have any questions or comments regarding this draft report. Upon receipt of confirmation of your acceptance of this draft report and resolution of any modifications needed, we will issue a final report.

Sincerely,

Kevin Wagner
VP Engineering

cc: Dennis Herzing, Freeburg Village Administrator
Ronald D. Earl, President & CEO
Alice Schum, VP Operations
Bob Childers, Sr. VP & CFO
Tanner Jones, Electrical Engineer

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WWW.IMEA.ORG

**Illinois Municipal Electric Agency
Capacity Test Report
Village of Freeburg, Illinois**

September 2, 2011

Introduction

Illinois Municipal Electric Agency (IMEA) primary objectives of the capacity tests are to:

- Test each dedicated generating and each non-dedicated unit that may be substituted as a dedicated unit to determine the maximum continuous net generating capability ("Net Capacity") for the purpose of determining future capacity payments and satisfy capacity testing requirements set by the capacity/energy contracts/markets in which IMEA participate, and
- Determine the net unit heat rate for each generating unit, wherever possible, based on the input/output method, and
- Observe the general condition of the generating facility and the state of readiness of both the plant personnel and the generating units to operate as called upon by the IMEA.

Village of Freeburg personnel operated all units during the testing program, and all tests were performed using existing station instrumentation.

Criteria for Capacity Rating of Generation Equipment

The capacity testing process is used to determine the capability of our member generation to provide energy and capacity when called on by the IMEA Control Center. IMEA has elected to use a 2-hour test period for reciprocating internal combustion engines and turbines and a 4-hour test period for steam units.

It has been determined that when testing reciprocating internal combustion engines (RICE) or natural gas fired engines that, for a wide range of summer ambient temperature conditions, no temperature correction is needed since these units exhibit very little change in efficiency. This is consistent with the policy of other joint action agencies for capacity testing similar units. However, the tested output of combustion turbine units is adjusted as needed to 95 degree F ambient conditions.

Capacity and Heat Rate Testing Procedure

The gross generating capacity of each unit was determined by measuring the total energy produced by each unit during the test period from watt-hour meter pulse data received by the OSI SCADA system at the IMEA Control Center. Gross kW capacity was calculated by dividing total kWhr produced by the length of the test interval in hours. Where possible, readings of instantaneous kW output were also manually taken at thirty (30) minute intervals to verify SCADA data. Where electromechanical metering is used, instantaneous kilowatt power production was determined by recording the time required for a specified number of watt-hour meter disc revolutions, and applying the appropriate constant for each meter. The average of the instantaneous power production readings, based on the timed disc revolutions, was used to determine gross unit capability and checked against the OSI SCADA pulse count data. The formula used for this calculation is detailed on the data sheet showing the instantaneous power readings in the Appendix. Where electronic metering is used, instantaneous KW readings were taken directly from the display on thirty (30) minute intervals. In some cases, watt-hour meter pulse data is also monitored locally and recorded.

Station auxiliary power usage was measured and determined in a similar manner using the station's watt-hour meters. This information was verified by using the OSI SCADA system pulse count integrated output for the test period. The auxiliary power meter was read prior to the test and during the test. The power readings taken before the test are subtracted from the maximum of the readings taken during the test to determine what portion of the station service was due solely to the operation of the generators. The unit auxiliary power used was then allocated to each generator by a ratio of the unit nameplate

capacity to the total nameplate capacity of the test group. The Net Capacity of each generating unit was then determined by subtracting the allocated unit auxiliary power from the gross unit capacity.

Fuel readings were taken at the beginning and end of each test to determine the total fuel used, and this value was then divided by the length of the test interval in hours to determine the average fuel used per hour. The recorded fuel usage typically does not include requirements for start-up or shutdown. For generators using #2 fuel oil the following formula was used to determine the net heat rate for each unit:

$$\text{Net Heat Rate} = \text{Fuel used} \frac{\text{gallons}}{\text{hour}} \cdot \left(\frac{138000 \frac{\text{btu}}{\text{gallon}}}{\text{Net Capacity kW}} \right)$$

Facility Description and Testing Schedule

There are three diesel generating units at the Freeburg Power Plant and three CAT diesels at the North Power Plant. All units use #2 diesel fuel, cooling for unit 6 is provided by a closed loop system to heat exchanger which discharges its coolant to cooling towers. CAT unit 8 and 9 at the main power plant and all CAT diesels at the North power plant are all cooled with external radiators with electric motor-driven fans. Form A-1 presents a summary of the nameplate data and other information for each unit.

The City of Freeburg generating units were tested on the following dates and times:

Unit	Date	Start	Stop
6	June 27, 2011	12:45 PM	2:45 PM
8	June 21, 2011	9:00 AM	11:00 AM
9	June 21, 2011	9:00 AM	11:00 AM
10	June 21, 2011	12:15 PM	2:15 PM
11	June 21, 2011	12:15 PM	2:15 PM
12	June 21, 2011	12:15 PM	2:15 PM

Capacity Testing Results

The capacity test results are summarized in Table 1. IMEA is aware of no seasonal operating constraints for the station. Therefore, the same net unit capabilities are reported for all months of the year as shown in Uniform Rating Form B based on the Declared Net kW Capability. Field data worksheets, a summary of the SCADA readings and associated calculations are attached in the Appendix.

Observations & Recommendations

The station service meter at the Main St Plant is currently not functioning properly and is out of service. Station service usage from the 2010 test was assumed. Recommend trouble shooting the meter and make the necessary repairs or replacement of meter. OSI SCADA connection to the North Plant station service meter is currently not in place. Station service readings at this location were manually taken based on timed disk revolutions of the meter.

Prepared by:
 Illinois Municipal Electric Agency
 Tanner Jones
 Electrical Engineer

Village of Freeburg

Illinois Municipal Electric Agency

Summary URGE Test Results using OSI data.

June 21, 2011

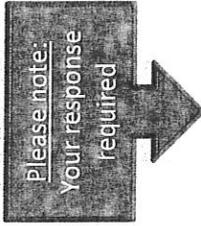


Table 1

Unit	Date Tested	Nameplate Capacity	Test Ambient Temperature (°F)	Gross kW Generation	kW Station Service	Station Service w/o diesel running	Net kW Capability	Declared Net kW Capability
1		485			-	-	-	cold standby
2		485			-	-	-	cold standby
3		645			-	-	-	cold standby
4		1,000			-	-	-	cold standby
6	27-Jun-11	1,870	90	1,879	31	8	1,856	
7		2,610			-	-	-	cold standby
8	21-Jun-11	1,825	84	1,845	29	8	1,823	
9	21-Jun-11	1,825	84	1,848	29	8	1,827	
10*	21-Jun-11	1,825	91	1,825	48	7	1,784	
11*	21-Jun-11	1,825	91	1,827	48	7	1,786	
12*	21-Jun-11	1,825	91	1,826	48	7	1,785	
Total Net Capacity =							10,862	-

Ratio Nameplate	Station Service	
	without	with
-	0%	23
-	0%	
-	0%	
-	0%	
1,870	33.9%	
-	0.0%	
1,825	33.1%	
1,825	33.1%	
1,825	33%	21
1,825	33%	144
1,825	33%	
5,520	Units 1-9	
5,475	Units 10-12	

*Note: Max total dedicated capacity that may be allocated to unit 10, 11 and 12 is 5,249 kW. (See October 15, 2007 Kevin Wagner letter.)

Illinois Municipal Electric Agency

2011 URGE Test

Freeburg

June 21, 2011

Table 2

Fuel in gallons of Diesel Fuel

Unit	Start	Finish	*Fuel Used for total test	Estimated fuel used during testing	Hour(s) Unit was running	Average hourly fuel usage during test	Heat Value Fuel Oil	Gross Generation	Net Generation	Gross Heat Rate	Net Heat Rate
6	659,275	659,637	362	292	2.00	145.95	138,000	1,879	1,856	10,718	10,852
8	54,604	54,898	294	210	2.00	104.98	138,000	1,845	1,823	7,853	7,945
9	54,801	55,105	304	216	2.00	107.84	138,000	1,848	1,827	8,051	8,144
10	4,873	5,165	292	270	2.00	134.97	138,000	1,825	1,784	10,207	10,442
11	5,286	5,577	291	269	2.00	134.50	138,000	1,827	1,786	10,159	10,392
12	5,109	5,412	303	280	2.00	140.10	138,000	1,826	1,785	10,587	10,830

*Note: Includes startup and cool down.

Heat Values

Gas: 100000 btu/therm

#2 Fuel Oil: 138000 btu/gallon

Heat Rate Formula

(fuel consumed*heating value)/unit generation(kw)

URGE test Freeburg

Uniform Rating Form B Monthly Net Capability Report Year 2011

Member Freeburg

Adjusted for seasonal variations such as: circulating water temperature, steam heat load, ambient air temperature, etc.

Station name Village of Freeburg

	Unit 1	Unit 2	Unit 3	Unit 4	Unit 6	Unit 7	Unit 8	Unit 9	Unit 10*	Unit 11*	Unit 12*	Station Total (kW)
January	cold standby	cold standby	cold standby	cold standby	-	cold standby	-	-	-	-	-	-
February	cold standby	cold standby	cold standby	cold standby	-	cold standby	-	-	-	-	-	-
March	cold standby	cold standby	cold standby	cold standby	-	cold standby	-	-	-	-	-	-
April	cold standby	cold standby	cold standby	cold standby	-	cold standby	-	-	-	-	-	-
May	cold standby	cold standby	cold standby	cold standby	-	cold standby	-	-	-	-	-	-
June	cold standby	cold standby	cold standby	cold standby	-	cold standby	-	-	-	-	-	-
July	cold standby	cold standby	cold standby	cold standby	-	cold standby	-	-	-	-	-	-
August	cold standby	cold standby	cold standby	cold standby	-	cold standby	-	-	-	-	-	-
September	cold standby	cold standby	cold standby	cold standby	-	cold standby	-	-	-	-	-	-
October	cold standby	cold standby	cold standby	cold standby	-	cold standby	-	-	-	-	-	-
November	cold standby	cold standby	cold standby	cold standby	-	cold standby	-	-	-	-	-	-
December	cold standby	cold standby	cold standby	cold standby	-	cold standby	-	-	-	-	-	-

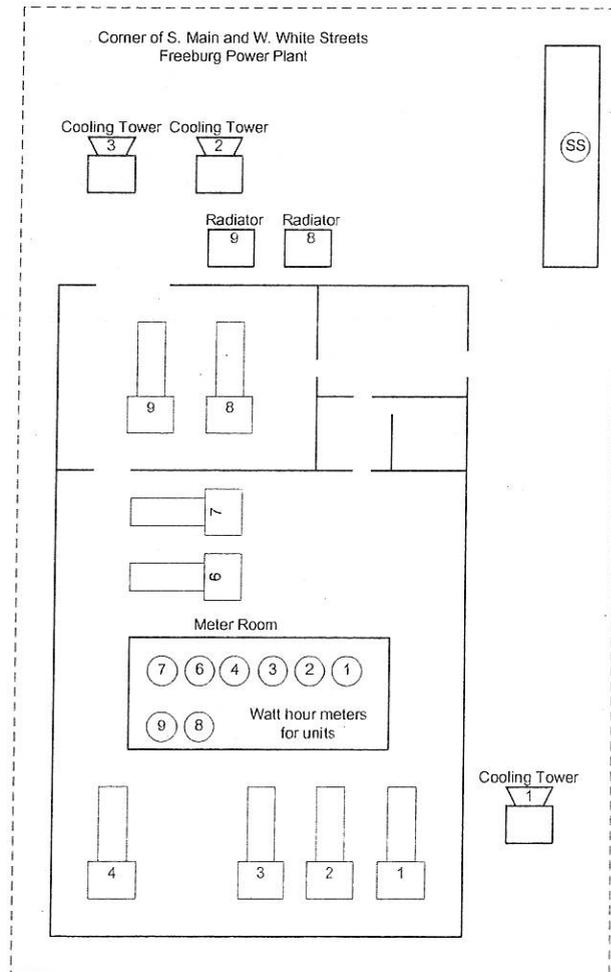
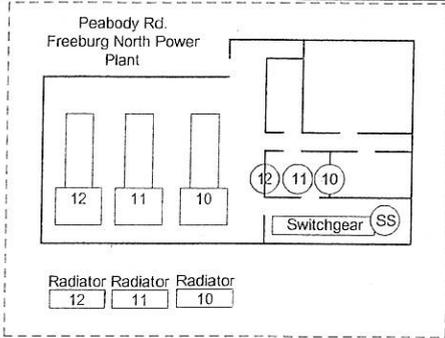
*Note: See explanation on Table 1.

Date: June 21, 2011

Prepared by: Tanner Jones

Form A
Station Diagram

Member: Village Freeburg Prepared By: Tanner Jones
Station: Village of Freeburg Date: August 1, 2011



Form A-1
 Nameplate Data
 Diesel Generator Units

Member: City of Freeburg Prepared By: Tanner Jones
 Station: City of Freeburg Date: August 1, 2011

Unit #	Year Installed	Fuel	Generator Nameplate (kW/kVA)	Make and RPM	Cylinders
1	1954	Gas/Oil	485/607	Superior/Elliott 450	Straight 6
2	1956	Gas/Oil	485/607	Superior/Elliott 450	Straight 6
3 [†]	2001*	Oil	645/806	Superior/Elliott 450	Straight 8
4	1960	Oil	1000/1250	Bush-Salzer/GE 257	Straight 8
6	1985*	Gas/Oil	1870/2400	Worthington/Wes. 514	V12
7	1977*	Gas/Oil	2610/3262	Nordberg/Elliott 514	V16
8	1997	Oil	1825/2281	Caterpillar 1800	V16
9	1997	Oil	1825/2281	Caterpillar 1800	V16
10	2007	Oil	1825/2281	Caterpillar 1800	V16
11	2007	Oil	1825/2281	Caterpillar 1800	V16
12	2007	Oil	1825/2281	Caterpillar 1800	V16

[†] Note: Unit #3 was replaced in 2001 by a similar unit that was rebuilt by the city.

* Note: Used elsewhere prior to installation at Freeburg.

Appendix

URGE Test Data and Calculations

For

Capacity and Heat Rate Testing Program

Village of Freeburg, Illinois

Freeburg: 2011 URGE Test Gross kW Output - Unit 6

TIME (HE Central)	5059019	Quality
6/27/2011 12:00	0	0
6/27/2011 12:05	0	0
6/27/2011 12:10	15.12	181.44
6/27/2011 12:15	46.62	559.44
6/27/2011 12:20	73.08	876.96
6/27/2011 12:25	83.16	997.92
6/27/2011 12:30	115.92	1391.04
6/27/2011 12:35	123.48	1481.76
6/27/2011 12:40	146.16	1753.92
6/27/2011 12:45	157.5	1890
6/27/2011 12:50	156.24	1874.88
6/27/2011 12:55	156.24	1874.88
6/27/2011 13:00	156.24	1874.88
6/27/2011 13:05	154.98	1859.76
6/27/2011 13:10	156.24	1874.88
6/27/2011 13:15	156.24	1874.88
6/27/2011 13:20	154.98	1859.76
6/27/2011 13:25	156.24	1874.88
6/27/2011 13:30	156.24	1874.88
6/27/2011 13:35	157.5	1890
6/27/2011 13:40	157.5	1890
6/27/2011 13:45	156.24	1874.88
6/27/2011 13:50	157.5	1890
6/27/2011 13:55	157.5	1890
6/27/2011 14:00	156.24	1874.88
6/27/2011 14:05	157.5	1890
6/27/2011 14:10	156.24	1874.88
6/27/2011 14:15	156.24	1874.88
6/27/2011 14:20	156.24	1874.88
6/27/2011 14:25	156.24	1874.88
6/27/2011 14:30	156.24	1874.88
6/27/2011 14:35	157.5	1890
6/27/2011 14:40	157.5	1890
6/27/2011 14:45	157.5	1890
6/27/2011 14:50	151.2	1814.4
6/27/2011 14:55	98.28	1179.36
6/27/2011 15:00	49.14	589.68
6/27/2011 15:05	8.82	105.84
6/27/2011 15:10	0	0
6/27/2011 15:15	0	0
6/27/2011 15:20	0	0
6/27/2011 15:25	0	0
6/27/2011 15:30	0	0
6/27/2011 15:35	0	0
6/27/2011 15:40	0	0
6/27/2011 15:45	0	0
6/27/2011 15:50	0	0
6/27/2011 15:55	0	0
6/27/2011 16:00	0	0

Freeburg
Unit 6

Average	1879	kW
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Freeburg: 2011 URGE Test Gross kW Output - Unit 8

TIME (HE Central)	5059021	Quality
6/21/2011 8:00	0	0
6/21/2011 8:05	0	0
6/21/2011 8:10	0	0
6/21/2011 8:15	0	0
6/21/2011 8:20	0	0
6/21/2011 8:25	0	0
6/21/2011 8:30	0	0
6/21/2011 8:35	0	0
6/21/2011 8:40	0	0
6/21/2011 8:45	11.5	138
6/21/2011 8:50	150	1800
6/21/2011 8:55	152	1824
6/21/2011 9:00	153	1836
6/21/2011 9:05	154	1848
6/21/2011 9:10	153	1836
6/21/2011 9:15	153	1836
6/21/2011 9:20	154	1848
6/21/2011 9:25	153	1836
6/21/2011 9:30	153	1836
6/21/2011 9:35	153	1836
6/21/2011 9:40	151	1812
6/21/2011 9:45	153	1836
6/21/2011 9:50	154	1848
6/21/2011 9:55	154.5	1854
6/21/2011 10:00	154.5	1854
6/21/2011 10:05	155	1860
6/21/2011 10:10	155	1860
6/21/2011 10:15	154	1848
6/21/2011 10:20	155	1860
6/21/2011 10:25	154	1848
6/21/2011 10:30	154	1848
6/21/2011 10:35	154	1848
6/21/2011 10:40	154	1848
6/21/2011 10:45	154	1848
6/21/2011 10:50	154	1848
6/21/2011 10:55	153	1836
6/21/2011 11:00	154	1848
6/21/2011 11:05	44.5	534
6/21/2011 11:10	0	0
6/21/2011 11:15	0	0
6/21/2011 11:20	0	0
6/21/2011 11:25	0	0
6/21/2011 11:30	0	0
6/21/2011 11:35	0	0
6/21/2011 11:40	0	0
6/21/2011 11:45	0	0
6/21/2011 11:50	0	0
6/21/2011 11:55	0	0
6/21/2011 12:00	0	0

Freeburg
Unit 8

Average	1845	kW
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Freeburg: 2011 URGE Test Gross kW Output - Unit 9

TIME (HE Central)	5059022	Quality
6/21/2011 8:00	0	0
6/21/2011 8:05	0	0
6/21/2011 8:10	0	0
6/21/2011 8:15	0	0
6/21/2011 8:20	0	0
6/21/2011 8:25	0	0
6/21/2011 8:30	0	0
6/21/2011 8:35	0	0
6/21/2011 8:40	0	0
6/21/2011 8:45	8.5	102
6/21/2011 8:50	150	1800
6/21/2011 8:55	153	1836
6/21/2011 9:00	154	1848
6/21/2011 9:05	154	1848
6/21/2011 9:10	154.5	1854
6/21/2011 9:15	154.5	1854
6/21/2011 9:20	154	1848
6/21/2011 9:25	154	1848
6/21/2011 9:30	153	1836
6/21/2011 9:35	153	1836
6/21/2011 9:40	152	1824
6/21/2011 9:45	153	1836
6/21/2011 9:50	155	1860
6/21/2011 9:55	155	1860
6/21/2011 10:00	154	1848
6/21/2011 10:05	154	1848
6/21/2011 10:10	155	1860
6/21/2011 10:15	155	1860
6/21/2011 10:20	155	1860
6/21/2011 10:25	154	1848
6/21/2011 10:30	155	1860
6/21/2011 10:35	154	1848
6/21/2011 10:40	154	1848
6/21/2011 10:45	154	1848
6/21/2011 10:50	154	1848
6/21/2011 10:55	154	1848
6/21/2011 11:00	153	1836
6/21/2011 11:05	53.5	642
6/21/2011 11:10	0	0
6/21/2011 11:15	0	0
6/21/2011 11:20	0	0
6/21/2011 11:25	0	0
6/21/2011 11:30	0	0
6/21/2011 11:35	0	0
6/21/2011 11:40	0	0
6/21/2011 11:45	0	0
6/21/2011 11:50	0	0
6/21/2011 11:55	0	0
6/21/2011 12:00	0	0

Freeburg
Unit 9

Average	1848	kW
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Freebugh: 2011 URGE Test Gross kW Output - Unit 10

TIME (HE Central)	5089001	Quality
6/21/2011 12:00	0	0
6/21/2011 12:05	0	0
6/21/2011 12:10	129.6	1555.2
6/21/2011 12:15	152.4	1828.8
6/21/2011 12:20	151.8	1821.6
6/21/2011 12:25	152.4	1828.8
6/21/2011 12:30	151.8	1821.6
6/21/2011 12:35	151.8	1821.6
6/21/2011 12:40	152.4	1828.8
6/21/2011 12:45	151.8	1821.6
6/21/2011 12:50	152.4	1828.8
6/21/2011 12:55	151.8	1821.6
6/21/2011 13:00	151.8	1821.6
6/21/2011 13:05	152.4	1828.8
6/21/2011 13:10	152.4	1828.8
6/21/2011 13:15	151.8	1821.6
6/21/2011 13:20	151.8	1821.6
6/21/2011 13:25	152.4	1828.8
6/21/2011 13:30	152.4	1828.8
6/21/2011 13:35	151.8	1821.6
6/21/2011 13:40	151.8	1821.6
6/21/2011 13:45	151.8	1821.6
6/21/2011 13:50	152.4	1828.8
6/21/2011 13:55	151.8	1821.6
6/21/2011 14:00	151.8	1821.6
6/21/2011 14:05	152.4	1828.8
6/21/2011 14:10	151.8	1821.6
6/21/2011 14:15	152.4	1828.8
6/21/2011 14:20	94.8	1137.6
6/21/2011 14:25	0	0
6/21/2011 14:30	0	0

Freebugh
Unit 10

Average	1825	kW
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Freeburg: 2011 URGE Test Gross kW Output - Unit 11

TIME (HE Central)	5089002	Quality
6/21/2011 12:00	0	0
6/21/2011 12:05	0	0
6/21/2011 12:10	131.4	1576.8
6/21/2011 12:15	152.4	1828.8
6/21/2011 12:20	151.8	1821.6
6/21/2011 12:25	152.4	1828.8
6/21/2011 12:30	152.4	1828.8
6/21/2011 12:35	152.4	1828.8
6/21/2011 12:40	152.4	1828.8
6/21/2011 12:45	151.8	1821.6
6/21/2011 12:50	152.4	1828.8
6/21/2011 12:55	152.4	1828.8
6/21/2011 13:00	152.4	1828.8
6/21/2011 13:05	152.4	1828.8
6/21/2011 13:10	151.8	1821.6
6/21/2011 13:15	152.4	1828.8
6/21/2011 13:20	153	1836
6/21/2011 13:25	151.8	1821.6
6/21/2011 13:30	151.8	1821.6
6/21/2011 13:35	152.4	1828.8
6/21/2011 13:40	153	1836
6/21/2011 13:45	151.8	1821.6
6/21/2011 13:50	152.4	1828.8
6/21/2011 13:55	151.8	1821.6
6/21/2011 14:00	152.4	1828.8
6/21/2011 14:05	152.4	1828.8
6/21/2011 14:10	152.4	1828.8
6/21/2011 14:15	151.8	1821.6
6/21/2011 14:20	99.6	1195.2
6/21/2011 14:25	0	0
6/21/2011 14:30	0	0

Freeburg
Unit 11

Average	1827	kW
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Freeburg: 2011 URGE Test Gross kW Output - Unit 12

TIME (HE Central)	5089003	Quality
6/21/2011 12:00	0	0
6/21/2011 12:05	0	0
6/21/2011 12:10	129	1548
6/21/2011 12:15	152.4	1828.8
6/21/2011 12:20	151.8	1821.6
6/21/2011 12:25	152.4	1828.8
6/21/2011 12:30	152.4	1828.8
6/21/2011 12:35	152.4	1828.8
6/21/2011 12:40	152.4	1828.8
6/21/2011 12:45	151.8	1821.6
6/21/2011 12:50	152.4	1828.8
6/21/2011 12:55	152.4	1828.8
6/21/2011 13:00	151.8	1821.6
6/21/2011 13:05	152.4	1828.8
6/21/2011 13:10	151.8	1821.6
6/21/2011 13:15	152.4	1828.8
6/21/2011 13:20	151.8	1821.6
6/21/2011 13:25	152.4	1828.8
6/21/2011 13:30	151.8	1821.6
6/21/2011 13:35	152.4	1828.8
6/21/2011 13:40	152.4	1828.8
6/21/2011 13:45	152.4	1828.8
6/21/2011 13:50	151.8	1821.6
6/21/2011 13:55	152.4	1828.8
6/21/2011 14:00	152.4	1828.8
6/21/2011 14:05	151.8	1821.6
6/21/2011 14:10	152.4	1828.8
6/21/2011 14:15	151.8	1821.6
6/21/2011 14:20	119.4	1432.8
6/21/2011 14:25	42	504
6/21/2011 14:30	41.4	496.8

Freeburg

Unit 12

Average	1826	kW
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URGE test Freeburg

Illinois Municipal Electric Agency

2011 URGE Test

City of Freeburg

June 21, 2011

Readings every 1/2 hour

Average

Time of data reading	9:00 AM	9:30 AM	10:00 AM	10:30 AM	11:00 AM	
Outside Temperature	80	81	86	85	87	84
% Humidity	69	68	55	55	54	

Pkh of Watt-hour Meters = Kh*PTR*CTR

Station Power - Watt-hour Meter #1

Time in Seconds						
Instantaneous Power (kW)						

Unit #8 CAT

Time in Seconds						
Instantaneous Power (kW)	1,836	1,850	1,860	1,860	1,836	1,848

Unit #9 CAT

Time in Seconds						
Instantaneous Power (kW)	1,848	1,855	1,848	1,860	1,848	1,852

URGE test Freeburg

Illinois Municipal Electric Agency

2011 URGE Test

City of Freeburg

June 21, 2011

Readings every 1/2 hour

Average

Time of data reading	12:15 PM	12:45 PM	1:15 PM	1:45 PM	2:15 PM	
Outside Temperature	86	89	91	93	95	91
% Humidity	71	62	63	60	57	

Pkh of Watt-hour Meters = Kh*PTR*CTR

Station Power - Watt-hour Meter #2

Pre-Start:	21	kW				
Time in Seconds						
Instantaneous Power (kW)	148	142	142	144	144	144

Unit # 10 CAT

Time in Seconds						
Instantaneous Power (kW)	1,829	1,822	1,822	1,822	1,822	1,823

Unit # 11 CAT

Time in Seconds						
Instantaneous Power (kW)	1,829	1,822	1,829	1,836	1,829	1,829

Unit # 12 CAT

Time in Seconds						
Instantaneous Power (kW)	1,829	1,822	1,829	1,829	1,829	1,828

URGE test Freeburg

Illinois Municipal Electric Agency

2011 URGE Test

City of Freeburg

June 27, 2011

Readings every 1/2 hour

	12:45 PM	1:15 PM	1:45 PM	2:15 PM	2:45 PM	Average
Time of data reading	12:45 PM	1:15 PM	1:45 PM	2:15 PM	2:45 PM	
Outside Temperature	84	89	91	93	95	90
% Humidity	65	56	54	53	51	

Pkh of Watt-hour Meters = Kh*PTR*CTR

Station Power - Watt-hour Meter #1

Time in Seconds					
Instantaneous Power (kW)					

Worthington

Unit #6 k't= 2800

Time in Seconds						
Instantaneous Power (kW)	1,885	1,866	1,887	1,888	1,911	1,887



August 31, 2011

RECEIVED

SEP 06 2011

American
Public Power
Association

Ph: 202.467.2900
Fax: 202.467.2910
www.PublicPower.org

1875 Connecticut Avenue, NW
Suite 1200
Washington, DC 20009-5715

ELEC
Committee

Dear Member:

On behalf of the American Public Power Association (APPA), I wanted to take this opportunity to update you on a number of activities APPA has undertaken over the last two years to retain a diverse portfolio of generation fuel options for public power customers.

As you may know, APPA represents the interests of more than 2,000 publicly-owned electric utilities across the country, serving approximately 46 million Americans, or approximately 15% of the populace. APPA members include state public power agencies and municipal electric utilities that serve some of the nation's largest cities. However, the vast majority of these publicly-owned electric utilities serve small and medium-sized communities in 49 states, all but Hawaii. Public power systems own 9.8% of the electric utility industry's total generating capacity; 36.2% of which is natural gas, 28.5% is coal, 18.7% is hydropower, 8.0% is nuclear, 7.5% is oil, and approximately 1.1% is non-hydropower renewable energy.

Over the last 10 years, Congress has taken a strong interest in the types of generation used by electric utilities, including public power. While the motivations of Members of Congress can vary greatly, the bottom line is that there has been a push from both political parties to promote "cleaner" burning fuel sources through various tax incentives and loan guarantees, as well as through proposed legislation to impose a cap on carbon, a renewable electricity standard, and a clean energy standard, among others. In 2011, following the shift in leadership in the House of Representatives and several U.S. Environmental Protection Agency (EPA) rulemakings intended to reduce emissions from fossil-fuel fired power plants, modify cooling water intake structures, and increase regulation of coal ash, among others (discussed in more detail below), there has also been a focus on reducing the regulatory burdens of utilities.

In the last two years, many of these issues have received increased scrutiny due to the poor economy, a focus by many in Congress on reducing federal spending and streamlining government functions, reducing the regulatory burdens on businesses, and addressing the pending plethora of EPA rulemakings. APPA has been in the thick of these debates in Congress as guided by our policy resolutions (www.publicpower.org), with the overarching goals of protecting public health while maintaining a diverse and affordable generation fuel supply including coal, nuclear (existing and new), base-load hydropower (as well as other water-power technologies such as tidal and in-stream), natural gas, non-hydropower renewables, and diesel (primarily for peaking purposes).

Just in the last two years, APPA has urged Congress to: retain tax-exempt financing as the primary tool for capital investments for public power; provide comparable incentives to those provided to investor-owned utilities for higher-risk clean energy development like new nuclear, renewables, including new hydro, and clean coal; address the issue of reducing greenhouse gases through new legislation that is separate and distinct from the existing Clean Air Act and that does not impose unnecessary costs on electric ratepayers; provide regulatory relief for the federal licensing of small hydropower; maintain cost-based rates for the hydropower marketed by the federal Power Marketing Administrations; lengthen the compliance time for utilities with coal-fired generation to comply with the proposed Utility MACT rulemaking; ensure that coal ash maintains its designation as a non-hazardous waste and its ability to be beneficially reused; increase the flexibility for utilities to comply with the proposed EPA rule on cooling water intake structures for fossil-fuel and nuclear plants; and ensure that the implementation of the Dodd-Frank financial reform bill does not preclude public power utilities from participating in the derivatives market in order to hedge against natural gas price volatility.

APPA has undertaken this congressional outreach in a variety of ways including: one-on-one meetings/ongoing dialogue between APPA staff and Members of Congress and their personal and committee staff; letters from APPA to Members of Congress, letters from coalitions including APPA to Members of Congress; coalition meetings with Members of Congress and their staff; letters from Members of Congress to EPA on discrete rulemakings; fly-ins of our members, including our annual Legislative Rally in February/March, Executive Committee meetings in April, national conference in June (in 2011, held in Washington, D.C.), and Policy Makers Council (a national group of locally elected officials) in July; and, encouraging our members to contact their Members of Congress directly when appropriate, among others. Should you wish to review the correspondence mentioned above, please do not hesitate to contact the legislative staff listed in the second attachment.

At the same time, APPA has weighed in heavily with the EPA on the variety of rulemakings it has undertaken in the last two years, often known as the "train wreck." A list of the comments we have filed in each major docket is attached, as well as the dates on which they were filed and any major meetings or hearings in which we have participated. APPA staff has hosted a variety of webinars and presentations at various venues (including our National Conference and Engineering and Operations Technical Conference) to describe these proposed and final rulemakings and to get feedback from our members. In addition, APPA staff has regularly corresponded with those members who participate on our environmental listserv to exchange information and to get input on our comments. A list of contact information and resources for both the regulatory and legislative issues impacting generation is also attached.

Thank you for your interest in and support of APPA's activities to promote a diverse portfolio of fuel sources for electric generation. Please do not hesitate to contact me with any comments or questions.

Sincerely,

A handwritten signature in black ink that reads "Mark Crisson". The signature is written in a cursive, flowing style.

Mark Crisson
President & CEO

MC/JD

Attachments (2)

ATTACHMENT 1

List of Major Environmental Protection Agency Rulemakings and APPA Participation Therein

**Note that this list does not include APPA's participation in comments filed by utility coalitions like the Utility Air Regulatory Group*

New Source Performance Standard (NSPS) for Greenhouse Gases (GHGs)

1. February 2, 2011 -- Filed comments on establishment of NSPS for GHGs
2. February 4, 2011 -- Participated in EPA hearing (by invitation)
3. March 18, 2011 -- Filed comments on EPA (by invitation)
4. June 15 and July 13, 2011 -- Represented on Small Business Regulatory Enforcement Fairness Act (SBREFA) Small Entity Representative (SER) panel
5. July 27, 2011 -- Filed comments on SER panel meetings -- worked to ensure EPA staff (along with the Office of Management and Budget and the Small Business Administration) understand the operations of power plants and generation issues dealing that would come from using a CO2 cap in the form of (lb/MWh).

Electric Generating Unit (EGU) Maximum Available Control Technology (MACT) Proposed Rule -- Also Known as the Utility MACT, the Mercury Rule, or the Toxics Rule

1. December 2010 -- Represented on SBREFA SER panel
2. December 13, 2010 -- Filed comments on December SBREFA SER panel
3. July 5, 2011 -- Coordinated comments on NSPS for PM, SO2 and NOx
4. July 5, 2011 -- Coordinated comments on MACT for HAP for Hg, Acid Gasses July 5 2011
5. July 2011 -- Drafted letter/comments for Mayors and Utility General Managers
6. July 26, 2011 -- Meeting with head of the Air Office at EPA, Gina McCarthy, and several public power mayors/city council members
7. August 2, 2011 -- Filed APPA comments on the EGU MACT proposed rule

Greenhouse Gas Reporting Program

1. February 8, 2011 -- Requested and received extension for mandatory reporting date to begin
2. Facilitated member participation in EPA 'sandbox testing' and 'targeted testing' of the e-GGRT (electronic greenhouse gas reporting tool) system.

Reciprocating Internal Combustion Engine (RICE) Rule

1. January 13, 2011 -- Testified at EPA
2. February 14, 2011 -- Filed comments on rehearing of the rule
3. 2011 -- Responded to EPA's questions on voltage support and RICE numerous times
4. June and July 2011 -- Provided supplemental materials to EPA

316(b) Cooling Water Intake Structures Proposed Rule

1. Draft comments completed and sent to members for review
2. July 2011 -- Draft letter for members sent
3. Final comments submitted August 18, 2011

Coal Combustion Byproducts (Coal Ash) Proposed Rule

1. November 19, 2010 -- Comments submitted to EPA

ATTACHMENT 2

APPA Contact Information and Additional Resources

Legislative:

Will Coffman / wcoffman@publicpower.org / 202-467-2939
-Power Marketing Administrations (PMAs)

Joy Ditto / jditto@publicpower.org / 202-467-2954
-Oversees legislative activities

Amy Hille / ahille@publicpower.org / 202-467-2929
-Non-hydropower renewables

Seth Voyles / svoyles@publicpower.org / 202-467-2928
-Coal ash, 316(b), hydropower, nuclear, natural gas

Desmarie Waterhouse / dwaterhouse@publicpower.org / 202-467-2930
-EGU MACT, RICE, transport rule, other air issues

Committees/Listservs – Please contact Forrest Sholars / fsholars@publicpower.org / 202-467-2959 for information on how to participate:

- Energy and Air Quality Task Force
- Government Relations Working Group list serve
- Hydropower Task Force (and listserv)
- PMA Ad Hoc Task Force (and listserv)

Additional information may be found on APPA’s website at www.publicpower.org – click on “legislative/regulatory,” then “APPA legislative issues.”

Regulatory:

Alex Hofmann / ahofmann@publicpower.org / 202-467-2956
-GHG reporting, coal ash, 316(b), voltage support for RICE

Joe Nipper / jnipper@publicpower.org / 202-467-2931
-Oversees environmental regulatory activities and all of government relations

Theresa Pugh / tpugh@publicpower.org / 202-467-2943
-Clean Air Act, NSPS for GHGs, EGU MACT, RICE

Committees/Listservs – Please contact Monica Stowe / mstowe@publicpower.org / 202-467-2942 for information on how to participate:

- Environmental listserv
- Generation and Fuels listserv
- New Generation Working Group

Additional information may be found on APPA’s website at www.publicpower.org – click on “legislative/regulatory,” then “environment.”

Pave Betz

H. EDWARDS EQUIPMENT, INC.
618-233-2184

3531-860-4003

Case 580SM 2WD STD
Standard Equipment

State Price 50,590.00

Options

11L X 16, 10 ply front tires
19.5L x 24, 10 ply Rear Tires
2 Door Cab w/Heat & Air
Deluxe Air Vinyl Seat
Cleated Dirt Pads
93" Loader Bucket
40 Gal Fuel Tank
Tool Box
Grid Heater
Dual Levers
24" Bucket

4WD/Ext 19,364.00
Cab-1Door 9,077.00
Cab-2Door (10,003.00)
Cloth Seat 452.00
Vinyl Seat (429.00)
Flip Over 870.00
Pin Kit 140.00
Power Lift 1,000.00
Ride Control 1,772.00
93" Bucket (2,658.00)
Radio 250.00
82" Bucket 2,362.00

Village of Freeburg

\$ 22,197.00 25.00% \$16,647.75
Total Price \$67,237.75

Attachments

Strobe Light

\$ 340.00

Trade Case 580M

Serial #JJG0307610

\$ 21,000.00

Total price w/Trade

\$ 46,543.75

\$ 340.00 10% \$ 306.00

GRAND TOTAL \$ 67,543.75

