

**THE CITY OF PAINESVILLE, OHIO**

**UTILITIES DEPARTMENT  
ELECTRIC DIVISION  
MONTHLY REPORT FOR JANUARY 2012**

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**(I) OVERVIEW:**

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The Electric Plant had only one boiler and turbine on line at a time and ran only 64% of the time during the month. Even with the limited run time during the month the plant was able to generate 3,591,400 KWH. With the unusually warm temperatures during the month and the continued slow economy our peak demand decreased by 2.9% compared to January of last year.

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**(II) PROJECTS / ACTIVITIES :**

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The maintenance personnel in the generating plant completed the following:

- Continued engineering a system for Net and Total generation readings for the plant
- Continued sorting and organizing the Light Plant prints and files
- Continued making and installing breaker cabinet hazard labels in accordance with NFPA 70 regulations
- Continued installing new water meters on all city water mains
- Opened, inspected and repaired the #5 T/G, motor operated header isolation valve
- Completed repairs to damaged chain link fence at the cooling towers due to vandalism
- Conducted EPA required stack testing for #3 Boiler

In the Distribution Section, the line crews:

- Completed removal of Christmas decorations
- Completed Heisley Park Phase 15 underground installation on Spruce Ln.
- Started line extension at Liberty St. and Bank St for True North
- Replaced four poles for various reasons throughout the system
- Started back lot lead annual tree trimming
- Continue program of deleting old/obsolete transformers
- Continue E-2 line extension to Jackson St/Heisley Park
- Continue pole replacement and upgrade project
- Continue removal of dead tree lawn trees

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## (III) PROBLEMS/ OUTAGES:

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Jan. 17, 4:00 PM	Circuit 16 tripped due to large tree limb falling and taking down primary at Jackson St & Richmond St. Approximately 1000 customers affected. All power restored by 7:00 PM
Jan. 29, 7:30 AM	H-3 circuit tripped, B Phase broke in the wind at Madison Ave and Riverside Dr. Approximately 60 customers out of service. All power restored by 10:15 AM.
Jan. 4, 11:10 AM	Put #3 Boiler online with #3 T/g to prepare for stack testing.
Jan. 5, 7:35 Am	Took #3 Boiler & #3 T/G offline because a wall tube blew in the boiler.
Jan. 7, 11:15 PM	Put #3 Boiler online with #3 T/G to prepare for stack testing.
Jan. 11, 9:40 PM	Took #3 Boiler and #3 T/G offline after stack testing complete.
Jan. 17, 9:45 AM	Put #5 Boiler online to #7 T/g after stack testing.

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**(IV) GENERATION SUMMARY:**

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Gross Generation	3,591,400 KWH
Plant Use (-)	<u>-655,200 KWH</u>
Net Generation	2,936,200 KWH

Peak Demand = 39,600 KW at 7:00 PM on the 18<sup>th</sup>

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**(V) FUEL SUMMARY:**

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Coal Burned in #5 Boiler	1650.18 Tons
Coal Burned in #4 Boiler	0 Tons
Coal Burned in #3 Boiler	919.44 Tons

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**(IV) ENERGY SUMMARY:**

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Gross Generation	3,591,400 KWH
Plant Use (-)	<u>-655,200 KWH</u>
Net Generation	2,936,200 KWH
AMP-O Power (+)	17,263,000 KWH
MISO Pool (+/-)	-142,700 KWH
Sales by Amp-Ohio	0 KWH
Gross Energy to System	20,056,500 KWH
Est. Line Losses (6%)	<u>-1,369,600 KWH</u>
Net Energy to System	18,726,900 KWH

Peak Demand = 39,600 KW at 7:00 PM on the 18<sup>th</sup>

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**(V) COST SUMMARY:**

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Purchased Power Cost	\$905,089.07
Fuel Cost	<u>\$182,457.26</u>
TOTAL	\$1,087,546.33

**Respectfully Submitted,**

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**Paul H. Morton**  
**Electric Plant**  
**Generation Supervisor**