

**THE CITY OF PAINESVILLE, OHIO**

**UTILITIES DEPARTMENT  
ELECTRIC DIVISION  
MONTHLY REPORT FOR MARCH 2011**

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**(I) OVERVIEW:**

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The Electric Plant had a very slow month in that we only had one boiler and one turbine on line during the month and they were only on line 18.4% of the month. With one boiler & turbine on line for such a small amount of time during the month the plant was able to generate 1,412,100 KWH. Due to the relatively mild weather for most of the month and the continued slow economy, our peak demand for the month decreased by 0.5% compared to March 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 calculating Arc Flash conditions for the plant circuits and switchgear.
- Continued upgrading the electrical wiring and lighting in the City Parking Garage.
- Continued modifying the old bulk acid storage shed for tow motor storage.
- Continued repairing casing leaks on the #4 boiler.
- Completed #4 Boiler and #5 T/G spring outage. (Work list attached).
- Started #5 Boiler and #7 T/G spring outage.

In the Distribution Section, the line crews:

- Completed installation of wire in Heisley Park, (Thornwood Drive)
- Completed revamp of 200 amp service to Rec. Park concession stand for diamonds 7 & 8.
- Started line revamp on South State St. (tracks to Walnut)
- Started line revamp on Willow Dr. – R/P poles & transformers as needed.
- Started service revamp to Madison Ave School. (New UG feed & pad xfmr).

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**(III) PROBLEMS/ OUTAGES:**

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Mar. 5, 4:30 AM	Took #5 boiler and #7 T/G off line due to a blown superheater tube.
Mar. 9, 7:00 AM	H-10 circuit tripped; Approximately 450 customers in Cobblestone out of power; No cause found; All service restored by 9:15 AM.
Mar. 9, 1:00 PM	Recloser feeding So Ridge, Turney Rd & Baldwin tripped due to a limb on the primaries; Approximately 200 customers out of power; Limb removed and all service restored at 1:40 PM.
Mar. 9, 2:00 PM	H-2 circuit tripped when a tree fell across the primaries o No Ridge; Approximately 2000 customers out of power; Tree removed and all service restored at 2:40 PM.
Mar. 23, 6:50 PM	Circuit #5 tripped when a hot-line clamp failed and burned down a primary wire; Approximately 600 customers out of power; Wires repaired and all service restored by 8:15 PM.
Mar. 30, 11:30 AM	Put #4 boiler and #5 T/G on line in preparation for stack testing.
Mar. 31, 1:30 PM	H-4 circuit tripped when primaries burned down at Newell & Chicago St; Ridge; Approximately 1200 customers out of power; Wires repaired and all service restored by 2:35 PM.

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**(IV) GENERATION SUMMARY:**

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Gross Generation	1,901,600 KWH
Plant Use (-)	<u>-489,500 KWH</u>
Net Generation	1,412,100 KWH

Peak Demand = 38,100 KW at 8:00 PM on the 2<sup>nd</sup>

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**(V) FUEL SUMMARY:**

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Coal Burned in #5 Boiler	1,265.07 Tons
Coal Burned in #4 Boiler	472.19 Tons
Coal Burned in #3 Boiler	0 Tons

**Respectfully Submitted,**



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**Thomas A. Green, PE**  
**Electric Power Supt.**