

**BEFORE THE PUBLIC SERVICE COMMISSION  
OF THE STATE OF MISSOURI**

In the Matter of an Incident of February )	
4, 2009 at the Iatan Generating Plant )	
Operated by Kansas City Power and )	Case No. ES-2010-0009
Light Company. )	

**STAFF’S INVESTIGATIVE REPORT FOR  
HIGH-PRESSURE TURBINE EXPANSION EVENTS**

COMES NOW the Staff of the Missouri Public Service Commission (Staff), by and through counsel, and for its *Report in Response to Commission Orders issued in April, 2010* respectfully states as follows:

1. On February 4, 2010 Staff filed a *Corrected Incident Report* on the February 4, 2009 incident at the Iatan 1 Generating Plant operated by Kansas City Power & Light Company, Inc., which involved high differential expansion during start-up of that unit.

2. By Orders issued April 6 and April 14, 2010, the Commission directed Staff to file by August 15, 2010 a report on other Missouri regulated electrical utilities’ procedures for incidents caused by high differential expansion during start-up coal-fired steam generating units.

3. Attached hereto is Staff’s report titled, “**Staff’s Investigative Report For High Pressure Turbine Differential Expansion Events.**”

**WHEREFORE**, Staff respectfully submits to the Commission Staff’s report titled, “**Staff’s Investigative Report For High Pressure Turbine Differential Expansion Events** in response to the Commission’s April 6 and 14, 2010 Orders regarding Missouri regulated electric utilities high pressure turbine differential expansion events.

Respectfully submitted,

/s/ Jaime N. Ott

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### **CERTIFICATE OF SERVICE**

I hereby certify that copies of the foregoing have been mailed, hand-delivered, transmitted by facsimile or electronically mailed to all counsel of record this 12<sup>th</sup> day of August, 2010.

/s/ Jaime N. Ott