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DUKE ENERGY CORPORATION

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**VIA OVERNIGHT DELIVERY**

April 15, 2013

Mr. Jeff Derouen  
Executive Director  
Kentucky Public Service Commission  
211 Sower Blvd  
Frankfort, KY 40601

**Re: In the Matter of An Examination of the Application of the Fuel Adjustment Clause of Duke Energy Kentucky Inc. from November 1, 2010 through October 1, 2012, Case No. 2012-00554**

Dear Mr. Derouen:

Enclosed please find for filing in the above-referenced case an original and ten (10) copies each of Duke Energy Kentucky Inc.'s Response to Staff's Post-Hearing Data Request in the above captioned matter.

Please return two file-stamped copies in the enclosed overnight envelope.

Sincerely,

A handwritten signature in black ink that reads "Dianne Kuhnell".

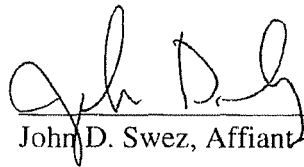
Dianne B. Kuhnell  
Senior Paralegal

Enclosures

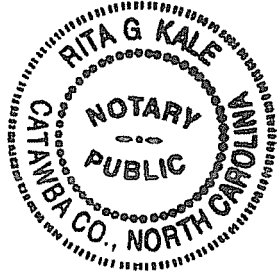
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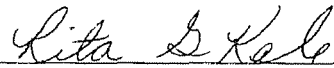
STATE OF NORTH CAROLINA            )  
  )        SS:  
COUNTY OF MECKLENBURG            )

The undersigned, John D. Swez, being duly sworn, deposes and says that he has personal knowledge of the matters set forth in the foregoing testimony, and that the answers contained therein are true and correct to the best of his knowledge, information and belief.

  
\_\_\_\_\_  
John D. Swez, Affiant

Subscribed and sworn to before me by John D. Swez on this 15 day of April, 2013.



  
\_\_\_\_\_  
NOTARY PUBLIC

My Commission Expires: 6/17/2017

**Duke Energy Kentucky**  
**Case No. 2012-00554**  
**Staff First Set Post Hearing Data Requests**  
**Date Received: April 9, 2013**

**POST HEARING**  
**STAFF-DR-01-001**

**REQUEST:**

In light of MACT, please indicate whether retrofitting or scrubbing the Miami Fort #6 unit is an option that the Company is considering.

**RESPONSE:**

Duke Energy Kentucky is evaluating the cost effectiveness of various controls options on Miami Fort 6 to meet anticipated future environmental regulatory requirements. One option was installation of environmental equipment such as a baghouse, activated carbon injection, SNCR, Trona Injection, CEMS, dry flyash and bottom ash conversion, lined landfill, wastewater treatment, and intake screens modifications. In addition, more advanced options such as a scrubber option for SO<sub>2</sub> control and SCR option for NO<sub>x</sub> control were also considered. Under most scenarios, economic analysis shows that these control options are not cost effective, with a scrubber option and SCR option being significantly less economic than other control options. In addition, other options, including using a different coal for Miami Fort 6 and averaging with Miami Fort 7 and 8, are being considered. The analysis around all possibilities is ongoing and a final decision has not been made to date.

**PERSON RESPONSIBLE:** John Swez