



Mailing Address:
139 East Fourth Street
1303-Main / P O Box 960
Cincinnati, Ohio 45202
o 513-287-4320
f 513-287-4385

Rocco.O.D'Ascenzo@duke-energy.com
Rocco O. D'Ascenzo
Associate General Counsel

VIA HAND DELIVERY

April 7, 2016

James W. Gardner
Acting Executive Director
Kentucky Public Service Commission
211 Sower Blvd
Frankfort, KY 40602-0615

RECEIVED

APR 07 2016

PUBLIC SERVICE
COMMISSION

**Re: Case No. 2016-00112
In the Matter of the Application of Duke Energy Kentucky, Inc. to Amend its
Demand Side Management Programs**

Dear Chairman Gardner:

Enclosed please find one original and ten copies of the *Responses of Duke Energy Kentucky, Inc. to Commission Staff's First Set of Requests for Information*, for filing in the above referenced matter.

In addition, please find enclosed one original and ten copies of Duke Energy Kentucky, Inc.'s Petition for Confidential Treatment. Also enclosed in the white envelope is one (1) copy of the confidential documents being filed under seal. Please note that the original verification page of Tim Duff will be supplemented via overnight mail.

Respectfully submitted,

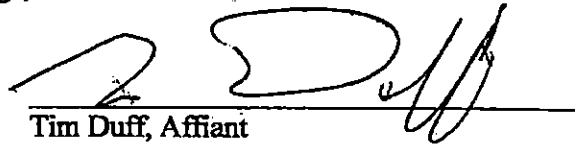
Rocco D'Ascenzo (92796)
Associate General Counsel
Duke Energy Kentucky, Inc.
139 East Fourth Street, 1313 Main
Cincinnati, Ohio 45201-0960
(513) 287-4320
(513) 287-4385 (f)
Rocco.D'ascenzo@duke-energy.com
Counsel for Duke Energy Kentucky, Inc.

cc: Larry Cook (w/enclosures)
Richard Raff (w/enclosures)
Florence W. Tandy (w/enclosures)
Peter Nienaber (w/enclosures)

VERIFICATION

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

The undersigned, Tim Duff, GM Customer Reg. Strategy & Analytics – Customer Solutions, being duly sworn, deposes and says that he has personal knowledge of the matters set forth in the foregoing data requests, and that the answers contained therein are true and correct to the best of his knowledge, information and belief.



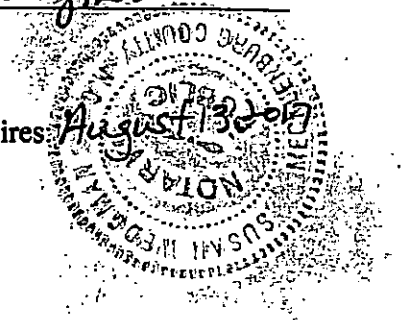
Tim Duff, Affiant

Subscribed and sworn to before me by Tim Duff on this 4th day of April, 2016.



NOTARY PUBLIC

My Commission Expires: August 31, 2017



2016-00112
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STAFF-DR-01-001

REQUEST:

Refer to the Application, pages 4-5, paragraph 7.

- a. Confirm that if a customer has received 15 compact florescent (“CFL”) bulbs through the current Residential Smart Saver Energy Efficient Product Program, the customer is ineligible to receive any light-emitting diode (“LED”) bulbs under the proposed measure.
- b. Confirm that if a customer has received a portion of the 15 CFL maximum available under the current Residential Smart Saver Energy Efficient Products Program, the customer is eligible to receive the balance of the 15 in LEDs under the proposed measure.
- c. Explain why customers who received CFLs over five years ago will be limited to receiving up to 12 free LEDs.

RESPONSE:

- a. Any customer that has received 15 CFL bulbs through the Residential Smart Saver Program within the last five years and is ineligible to currently receive anymore CFL bulbs and will also be ineligible to receive any LED bulbs at the present time.

- b. Any customer that has received a portion of the 15 CFL bulb maximum available under the current the Residential Smart Saver Program will be eligible to receive the additional allotment of bulbs as LED bulbs instead of CFL bulbs.
- c. Since the recognized measure life of a CFL bulb is five years, after five years of having received CFL bulbs through the Residential Smart Saver Program customers will begin to see the bulbs fail. By providing customers with the ability to receive LED bulbs, the Company will help customers move to an even more efficient technology and avoid the potential to more back to inefficient incandescent bulbs. The new limit was established at 12 LED bulbs as a means to decrease packaging and shipping costs associated with delivering the bulbs and help maintain cost-effectiveness in light of the lower incremental savings associated with replacing a CFL with an LED. Providing three less bulbs will also help ensure that the LED bulbs get installed in the highest use sockets.

PERSON RESPONSIBLE: Tim Duff

**Duke Energy Kentucky
Case No. 2016-00112
Staff First Set Data Requests
Date Received: March 28, 2016**

STAFF-DR-01-002

REQUEST:

Provide the total budgeted cost of the amended program.

RESPONSE:

	2016	2017	2018	2019	2020	Total
Total Utility Costs	\$ 520,102	\$ 590,385	\$ 423,108	\$ 296,255	\$ 208,241	\$ 2,038,091

PERSON RESPONSIBLE: Tim Duff

Duke Energy Kentucky
Case No. 2016-00112
Staff First Set Data Requests
Date Received: March 28, 2016

PUBLIC STAFF-DR-01-003

REQUEST:

Provide the calculations along with the underlying assumptions performed by Duke Kentucky in arriving at each of the three cost effectiveness test results.

RESPONSE:

CONFIDENTIAL PROPRIETARY TRADE SECRET

Duke Energy Kentucky Free LED Cost-Effectiveness Results and Assumptions				
	UCT	TRC	RIM	Participant
Avoided T&D Electric				
Cost-Based Avoided Elec Production				
Cost-Based Avoided Elec Capacity				
Participant Elec Bill Savings (gross)				
Net Lost Revenue Net Fuel				
Administration Costs				
Implementation Costs				
Incentives				
Other Utility Costs				
Participant Costs				
Total Benefits				
Total Costs				
Benefit/Cost Ratios				

Data represents present value of costs and benefits over the life of the program.

PERSON RESPONSIBLE: Tim Duff