VERIFICATION

STATE OF OHIO   )
)   SS:

COUNTY OF HAMILTON   )

The undersigned, Ash M. Norton, Director Distribution Design Engineering and its subsidiary, Duke Energy Kentucky, Inc., being duly sworn, deposes and says that she has personal knowledge of the matters set forth in the foregoing data request and that it is true and correct to the best of her knowledge, information and belief.

Ash M. Norton
Ash M. Norton, Affiant

Subscribed and sworn to before me by Ash M. Norton, on this _3rd_ day of _December_ , 2019.

E. Minna Rolfes-Adkins
NOTARY PUBLIC

My Commission Expires: July 8, 2022

E. MINNA ROLFES-ADKINS
Notary Public, State of Ohio
My Commission Expires
July 8, 2022

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SUPPLEMENTAL AG-DR-02-074

REQUEST:

Refer to Norton Direct at page 12, wherein she states that DEK is "moving from a static grid that may employ limited and pre-determined solutions through manual switching to a self-optimizing grid that responds quickly and automatically to failures and mitigates them by finding the most efficient real-time solution to restore customers."

    a. Provide any and all quantifications, studies or analyses which include cost estimates / projections required to bring about this change.

    b. Reference further, Norton Direct, pages 13–14, which states that "[a]t the present deployment rate, a fully self-optimizing distribution grid capability will take more than a decade to achieve." Provide a more certain projected timeline to complete this project.

    c. Explain whether any other Duke Energy operating companies either have undergone or will undergo the changes necessary to transition to a self-optimizing grid. If so, describe the initiatives those operating companies deployed, and provide cost estimates and a projected timeline. If not, explain why not.

RESPONSE:

    a. Upon further review of our records, please see the attached SOG work plan analysis that was performed for a budget exercise in February 2019. The budget analysis was performed for a three-year period (2019-2021) and was not intended to reflect a full cost benefit analysis or system-wide deployment or upgrade of SOG. Rather,

the analysis reflects the Duke Energy Kentucky three-year SOG workplan that was evaluated as a snapshot in time and is subject to change. Please see AG-DR-02-074(a) SUPP Attachment for the three-year budget analysis performed.

b. N/A

c. N/A

PERSON RESPONSIBLE: Ash M. Norton