

COMMONWEALTH OF KENTUCKY
BEFORE THE PUBLIC SERVICE COMMISSION

In the Matter of:

ELECTRONIC APPLICATION OF DUKE)	CASE NO.
ENERGY KENTUCKY, INC. TO AMEND ITS)	2021-00313
DEMAND SIDE MANAGEMENT PROGRAMS)	

COMMISSION STAFF'S FIRST REQUEST FOR INFORMATION
TO DUKE ENERGY KENTUCKY, INC.

Duke Energy Kentucky, Inc. (Duke Kentucky), pursuant to 807 KAR 5:001, is to file with the Commission an electronic version of the following information. The information requested is due on October 21, 2021. The Commission directs Duke Kentucky to the Commission's July 22, 2021 Order in Case No. 2020-00085¹ regarding filings with the Commission. Electronic documents shall be in portable document format (PDF), shall be searchable, and shall be appropriately bookmarked.

Each response shall include the name of the witness responsible for responding to the questions related to the information provided. Each response shall be answered under oath or, for representatives of a public or private corporation or a partnership or association or a governmental agency, be accompanied by a signed certification of the preparer or the person supervising the preparation of the response on behalf of the entity that the response is true and accurate to the best of that person's knowledge, information, and belief formed after a reasonable inquiry.

¹ Case No. 2020-00085, *Electronic Emergency Docket Related to the Novel Coronavirus COVID-19* (Ky. PSC July 22, 2021), Order (in which the Commission ordered that for case filings made on and after March 16, 2020, filers are NOT required to file the original physical copies of the filings required by 807 KAR 5:001, Section 8).

Duke Kentucky shall make timely amendment to any prior response if Duke Kentucky obtains information that indicates the response was incorrect when made or, though correct when made, is now incorrect in any material respect. For any request to which Duke Kentucky fails or refuses to furnish all or part of the requested information, Duke Kentucky shall provide a written explanation of the specific grounds for its failure to completely and precisely respond.

Careful attention shall be given to copied material to ensure that it is legible. When the requested information has been previously provided in this proceeding in the requested format, reference may be made to the specific location of that information in responding to this request. When applicable, the requested information shall be separately provided for total company operations and jurisdictional operations. When filing a paper containing personal information, Duke Kentucky shall, in accordance with 807 KAR 5:001, Section 4(10), encrypt or redact the paper so that personal information cannot be read.

1. Refer to the Application, paragraph 6. Provide the comments or feedback about Duke Kentucky's proposed changes received from the Residential Collaborative and the Commercial and Industrial Collaborative.

2. Refer to the Application, paragraph 7. Regarding the Multifamily Energy Efficiency Program, provide the Cost-Effectiveness Test Results for the program, for each of the current individual program measures, and for the proposed individual program measures.

3. Refer to the Application, paragraph 8. Regarding the Low Income Neighborhood Program, provide the Cost-Effectiveness Test Results for the proposed individual program expansion.

4. Refer to the Application, paragraph 10. Provide an update to the Peak Time Rebate (PTR) Pilot Program.

5. Explain whether participation in Duke Kentucky's DSM programs has returned to pre-COVID-19 levels.

6. Refer to the Application, Appendix D, PTR Pilot Evaluation Plan – Update.

a. Refer to page 3 of 12. Explain whether there are any other characteristics besides usage that are evaluated when matching up participants and non-participants.

b. Refer to page 4 of 12. Explain whether there is any adjustment made to the base load profile given that the program is an opt-in program and the recognition that customers who opt-in to a demand response program tend to be more cognizant of their electricity usage.

c. Refer to page 7 of 12.

(1) Explain how Duke Kentucky's marketing materials and channel strategies compare to other PRT programs and if any changes were implemented.

(2) Provide the marketing material for the PTR program.

7. Refer to the Application, Appendix F, 2019 Power Manager Evaluation Report.

a. Refer to page 6 of 63.

(1) Given there is minimal difference between moderate and high load control devices, explain if Duke Kentucky anticipates the two difference devices will still be offered or not.

(2) Provide the cost differences between the two demand response devices.

b. Refer to page 9 of 63. Forty-three percent stated that there are perceived communication gaps from Duke Kentucky. Explain whether these perceived communication gaps deal with the program enrollment, how Duke Kentucky announces a curtailment event, or some other issue or combination of issues.

c. Refer to page 12 of 63.

(1) Explain why Duke Kentucky offers a low option control device if only 0.1 percent of the program have such a device.

(2) Provide the cost of the low control device.

(3) Provide the cycle load reduction percentage for a low control device.

d. Refer to page 28 of 63. Explain why, on average, customers with the high load control option produced slightly lower average impacts than those with the moderate control option.

e. Refer to page 45 of 63. The survey responses confirmed that Power Manager participants are likely to be home during an event, thus monitoring participant comfort levels is important. On page 42 of 63, it states that due to the sample size, no conclusions regarding the effect of Power Manager events on customer's perceptions regarding the cause of any discomfort can be made. Given that comfort levels are

important, explain how Duke Kentucky will determine whether an event triggers discomfort or not so that conclusions can be drawn.

f. Refer to pages 47–48 of 63. The most prevalent reason for signing up for the Power Manager program was bill credits and the most common suggestion for improvement was more bill credits. Explain if Duke Kentucky is considering offering a higher bill credit.

g. Refer to pages 59–60 of 63. For each recommendation, explain what Duke Kentucky is actively doing to implement the suggestion.

8. Refer to the Application, Appendix G, Residential Energy Assessment Evaluation Report.

a. Regarding the Energy Efficiency Starter Kit.

(1) Provide the installation rate for each item in the kit.

(2) Explain whether Duke Kentucky considered removing an item. If so, provide the time and the reason why Duke Kentucky considered removing it.

(3) Explain whether Duke Kentucky considered adding an item.

If so, provide the item and its associated cost effective scores.

b. Refer to pages 4–5. The evaluation recommendation was to track barriers that prevent the auditor from installing the measure. This report was based upon a 2017-2018 evaluation period. Provide the steps Duke Kentucky has implemented to overcome the barrier since the evaluation period.

c. Refer to page 9, Section 2.1, Program Design. If an auditor makes a recommendation for equipment improvement, explain whether the auditor also provides a list of Duke Kentucky approved vendors.

9. Refer to the Application, Appendix H, Save Energy and Water Kits 2018 – 2019 Evaluation Report.

a. Refer to page 9 of 83. Explain what Duke Kentucky is doing to ensure the participant installs at least one measure.

b. Refer to page 18 of 83. The report notes a decline of in-service rates for all measures. Explain how this impacts the cost benefit scores.



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cc: Parties of Record

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