

COMMONWEALTH OF KENTUCKY
BEFORE THE PUBLIC SERVICE COMMISSION

In the Matter of:

ELECTRONIC APPLICATION OF DUKE ENERGY KENTUCKY,)
INC. FOR A CERTIFICATE OF PUBLIC CONVENIENCE AND)
NECESSITY TO CONVERT ITS WET FLUE GAS DESULFUR-) CASE No.
IZATION SYSTEM FROM A QUICKLIME REAGENT PROCESS) 2024-00152
TO A LIMESTONE REAGENT HANDLING SYSTEM AT ITS EAST)
BEND GENERATING STATION AND FOR APPROVAL TO AMEND)
ITS ENVIRONMENTAL COMPLIANCE PLAN FOR RECOVERY BY)
ENVIRONMENTAL SURCHARGE MECHANISM)

ATTORNEY GENERAL’S INITIAL DATA REQUESTS

The intervenor, the Attorney General of the Commonwealth of Kentucky, through his Office of Rate Intervention [“OAG”], hereby submits the following Supplemental Data Requests to Duke Energy Kentucky, Inc. [“DEK” or “the Company”], to be answered by the date specified in the Commission’s Orders of Procedure, and in accord with the following:

- (1) In each case where a request seeks data provided in response to a staff request, reference to the appropriate request item will be deemed a satisfactory response.
- (2) Identify the witness who will be prepared to answer questions concerning each request.
- (3) Repeat the question to which each response is intended to refer. The OAG can provide counsel for DEK with an electronic version of these questions in native format, upon request.
- (4) These requests shall be deemed continuing so as to require further and supplemental responses if the Companies receive or generate additional information within the scope of these requests between the time of the response and the time of any hearing conducted hereon.
- (5) Each response shall be answered under oath or, for representatives of a public or private corporation or a partnership or association, be accompanied by a signed certification

of the preparer or 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.

(6) If you believe any request appears confusing, request clarification directly from Counsel for OAG.

(7) To the extent that the specific document, workpaper or information as requested does not exist, but a similar document, workpaper or information does exist, provide the similar document, workpaper, or information.

(8) To the extent that any request may be answered by way of a computer printout, identify each variable contained in the printout which would not be self-evident to a person not familiar with the printout.

(9) If the Companies have objections to any request on the grounds that the requested information is proprietary in nature, or for any other reason, notify OAG as soon as possible.

(10) As used herein, the words "document" or "documents" are to be construed broadly and shall mean the original of the same (and all non-identical copies or drafts thereof) and if the original is not available, the best copy available. These terms shall include all information recorded in any written, graphic or other tangible form and shall include, without limiting the generality of the foregoing, all reports; memoranda; books or notebooks; written or recorded statements, interviews, affidavits and depositions; all letters or correspondence; telegrams, cables and telex messages; contracts, leases, insurance policies or other agreements; warnings and caution/hazard notices or labels; mechanical and electronic recordings and all information so stored, or transcripts of such recordings; calendars, appointment books, schedules, agendas and diary entries; notes or memoranda of conversations (telephonic or

otherwise), meetings or conferences; legal pleadings and transcripts of legal proceedings; maps, models, charts, diagrams, graphs and other demonstrative materials; financial statements, annual reports, balance sheets and other accounting records; quotations or offers; bulletins, newsletters, pamphlets, brochures and all other similar publications; summaries or compilations of data; deeds, titles, or other instruments of ownership; blueprints and specifications; manuals, guidelines, regulations, procedures, policies and instructional materials of any type; photographs or pictures, film, microfilm and microfiche; videotapes; articles; announcements and notices of any type; surveys, studies, evaluations, tests and all research and development (R&D) materials; newspaper clippings and press releases; time cards, employee schedules or rosters, and other payroll records; cancelled checks, invoices, bills and receipts; and writings of any kind and all other tangible things upon which any handwriting, typing, printing, drawings, representations, graphic matter, magnetic or electrical impulses, or other forms of communication are recorded or produced, including audio and video recordings, computer stored information (whether or not in printout form), computer-readable media or other electronically maintained or transmitted information regardless of the media or format in which they are stored, and all other rough drafts, revised drafts (including all handwritten notes or other marks on the same) and copies of documents as hereinbefore defined by whatever means made.

(11) For any document withheld on the basis of privilege, state the following: date; author; addressee; indicated or blind copies; all persons to whom distributed, shown, or explained; and, the nature and legal basis for the privilege asserted.

(12) In the event any document called for has been destroyed or transferred beyond the control of the Companies, state: the identity of the person by whom it was destroyed or

transferred, and the person authorizing the destruction or transfer; the time, place, and method of destruction or transfer; and, the reason(s) for its destruction or transfer. If destroyed or disposed of by operation of a retention policy, state the retention policy.

(13) Provide written responses, together with any and all exhibits pertaining thereto, in one or more bound electronic volumes, separately indexed and tabbed by each response, in compliance with Kentucky Public Service Commission Regulations and Orders.

(14) “And” and “or” should be considered to be both conjunctive and disjunctive, unless specifically stated otherwise.

(15) “Each” and “any” should be considered to be both singular and plural, unless specifically stated otherwise.

Respectfully submitted,

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Certificate of Service

Pursuant to the Commission's Orders in Case No. 2020-00085, and in accord with all other applicable law, Counsel certifies that an electronic copy of the forgoing was served and filed by e-mail to the parties of record.

This 20rd day of September, 2024



Assistant Attorney General

DEK Application for CPCN, etc.
Case No. 2024-00152
Attorney General's Supplemental Data Requests

1. Reference the response to AG-DR-1-4. Identify the means of transport for the MEL product that DEK utilizes. Explain whether any alternative means of transport exist, and if so, whether DEK explored those options.
 - a. Provide all studies and analyses DEK made that analyzed these transport costs.
2. Reference the direct testimony of Chad M. Donner at p. 8.
 - a. Provide the percentage of projected savings in variable operating and maintenance that DEK believes the Limestone Conversion Project would produce.
 - b. Provide the percentage of projected savings in fuel cost that DEK believes the Limestone Conversion Project would produce.
 - c. Provide any projections of additional off-system sales that DEK believes the Limestone Conversion Project would produce. Provide these figures both in terms of MWh, and the projected percentage increase of off-system sales.
 - d. Explain whether DEK foresees any changes to its off-system sales clause in the event it is granted the requested CPCN.
3. Explain whether the Limestone Conversion Project will or could enhance the control of East Bend's sulfur dioxide (SO₂) emissions beyond the current average of 97%. If so, explain whether the additional SO₂ emissions reduction could benefit ratepayers, and if so, how and to what extent. Include in your response a discussion of whether the proposed project would allow the Company to either retain or sell any additional SO₂ allowances.
4. Reference the application at p. 4, wherein DEK states that the MEL technology ". . . is unique to the 1980's vintage WFGD and is the only one of its kind within the Duke Energy fleet of coal-fired generation."
 - a. Explain whether any unit in Duke Energy's coal-fired fleet has, at any prior time ever utilized a 1980's vintage WFGD. If so, explain whether Duke Energy retains any of the experience-based performance data arising from the operation of any such unit.
5. Is dolomite the primary agent needed to reduce SO₂ emissions? If so, explain whether any other coal-fired plants utilizing WFGD technology utilize other means of injecting / utilizing dolomite for this purpose.
6. Reference the application at paragraph 15. Identify DEK's "fuel sourcing organization," and explain the services they provide for DEK.
7. Confirm that the proposed project will not: (i) increase East Bend's heat rate; and (ii) will not cause any unit derates.

8. Reference the application at paragraph 19. Explain whether the proposed project will enhance the overall reliability of the WFGD. If so: (i) provide all relevant projections; and (ii) explain whether these enhancements were included in the overall cost-benefit analysis.
9. Explain whether the Company has identified any local sources of the type of limestone that the project would require. Include in your response: (i) how the limestone would be shipped, and whether multiple types of shipment (e.g., barge, rail) could be used if needed; and (ii) whether the Company will issue an RFP for the limestone supply, and if so, whether multiple suppliers could be selected.
10. Reference the responses to PSC-DR-1-19, and PSC-DR-1-23 generally.
 - a. Explain what percentage of CCR materials DEK beneficially reuses.
 - b. Explain whether DEK is aware that many utilities with coal-fired plants are receiving sharply increasing revenues in the beneficial reuse market. For example, in a public announcement, LG&E-KU disclosed that from 2016-2022, those companies earned \$42 million from beneficial reuse sales, which was returned to ratepayers.¹
 - c. If DEK does not engage in sale of its gypsum, and other beneficial reuse materials including coal combustion residuals and materials resulting from the WFGD process, then: (i) provide a full discussion on why not; and (ii) provide an estimate on how much revenue the Company could earn by engaging in beneficial reuse sales.

¹ <https://lge-ku.com/newsroom/articles/2022/05/31/our-recycling-program-generating-millions-savings-customers>