

**COMMONWEALTH OF KENTUCKY**  
**BEFORE THE PUBLIC SERVICE COMMISSION**

In the Matter of:

ELECTRONIC INVESTIGATION OF	)	CASE NO.
INTERCONNECTION AND NET METERING	)	2020-00302
GUIDELINES	)	

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**RESPONSIVE SUPPLEMENTAL BRIEF OF  
DUKE ENERGY KENTUCKY, INC.**

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**I. INTRODUCTION**

Please accept this Responsive Supplemental Brief submitted on behalf of Duke Energy Kentucky, Inc., (Duke Energy Kentucky or Company) in response to the Kentucky Public Service Commission’s (Commission’s) request for supplemental briefs from interested parties in order to develop a record that the Commission can draw upon as it conducts its investigation into net metering interconnection guidelines and considers Federal Energy Regulatory Commission (FERC) Order No. 2222.<sup>1</sup>

**II. BACKGROUND**

On September 24, 2020, the Commission initiated this proceeding to investigate and potentially modify and update net metering interconnection guidelines, which were last addressed in Case No. 2008-00169.<sup>2</sup> Also in that Order, all Kentucky jurisdictional electric utilities were made parties to this proceeding. To assist the Commission in its investigation, the Commission has further requested the parties file a written brief

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<sup>1</sup> *In the Matter of Electronic Investigation of Interconnection and Net Metering Guidelines*, Case No. 2020-00302, Order (Ky. P.S.C. Feb. 16, 2021); *Id.*, Order (Ky. P.S.C. Mar. 4, 2021).

<sup>2</sup> *In the Matter of Development of Guidelines for Interconnection and Net Metering for Certain Generators with Capacity Up to Thirty Kilowatts*, Administrative Case No. 2008-00169, Order (Ky. P.S.C. Jan. 8, 2009).

discussing current and reasonably anticipated issues and concerns identified by each party regarding net metering interconnection guidelines, and, separately, current and reasonably anticipated concerns regarding Federal Regulatory Energy Commission (FERC) Order No. 2222.<sup>3</sup> On April 19, 2021, Duke Energy Kentucky, along with a number of other participating entities, filed a written brief addressing the matters raised by the Commission.<sup>4</sup>

On February 4, 2026, the Commission established a procedural schedule for the orderly processing of this proceeding. An informal conference was held on February 26, 2026, which Duke Energy Kentucky and others attended. Written supplemental briefs were scheduled to be due March 16, 2026. On March 12, 2026, the Commission issued an order amending the procedural schedule, such that supplemental briefs would be due by April 6, 2026, and responsive briefs by April 20, 2026. On April 1, 2026, Big Rivers Electric Corporation and its members filed a Joint Supplemental Brief, while a number of other participating entities, including Duke Energy Kentucky, filed their supplemental briefs, separately, on April 6, 2026.

In accordance with the Commission's amended procedural schedule, Duke Energy Kentucky submits this responsive supplemental brief. Insofar as the Company's responsive comments may not respond to every item raised in other parties' initial supplemental briefs, lack of response should not be construed as agreement.

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<sup>3</sup> FERC Order No. 2222, Final Rulemaking, Participation of Distributed Energy Resource Aggregations in Markets Operated by Regional Transmission Organizations and Independent System Operators, 172 F.E.R.C. 61,247 (Sept. 17, 2020) (to be codified at 18 CFR part 35) (FERC Order No. 2222).

<sup>4</sup> *In the Matter of Electronic Investigation of Interconnection and Net Metering Guidelines*, Case No. 2020-00302, Brief (Apr. 19, 2021).

### **III. RESPONSIVE COMMENTS REGARDING NET METERING AND INTERCONNECTION GUIDELINES**

#### **The Commission Should Not Adopt the Interstate Renewable Energy Council (IREC) Model Interconnection Procedures**

In its initial comments, Kentucky Solar Industries Association, Inc. (KYSEIA) recommends that the 2023 IREC model interconnection procedures (2023 IREC Procedures) be adopted, allowing for “some modifications.”<sup>5</sup> Joint Intervenors, Mountain Association and Earth Tools, Inc. (Joint Intervenors) make a related, but more limited recommendation that “the IREC Model Interconnection Procedures be used as the basis for integrating [energy storage systems] into the update of Kentucky’s Interconnection Guidelines.”<sup>6</sup> While Duke Energy Kentucky does not oppose updating the guidelines to incorporate guidance on energy storage systems and the 2023 IREC Procedures may certainly be used as one of many resources to consider and draw upon, Duke Energy Kentucky recommends against starting from a baseline presumption of their wholesale adoption and against giving the 2023 IREC Procedures any disproportionate weight when discussing updates. Among other things, the 2023 IREC Procedures fail to fully appreciate that system impacts can occur even when a generator is not exporting to the grid. And the two weeks permitted in this proceeding for responsive comments simply does not permit for a thorough technical review and vetting of the 2023 IREC Procedures, including comparison to existing processes. The existing 2009 Guidelines<sup>7</sup> have been in place for

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<sup>5</sup> *Id.*, Kentucky Solar Industries Association, Inc. Supplemental Brief, pp. 4-6 (Apr. 6, 2026) (KYSEIA Supp. Br.).

<sup>6</sup> *Id.*, Supplemental Brief of Joint Intervenors Earth Tools, Inc. and Mountain Association, p. 16 (Apr. 6, 2026) (Joint Intervenors’ Supp. Br.).

<sup>7</sup> *In the Matter of the Development of Guidelines for Interconnection and Net Metering for Certain Generators with Capacity Up to Thirty Kilowatts*, Administrative Case No. 2008-00169, Order, Appendix A (Ky. P.S.C. Jan. 8, 2009).

considerable time and should be viewed as the baseline to which the Commission considers changes.

Interconnection Guidelines Must Fully Consider and Account for Both Charging and Discharging of Energy Storage Systems

Duke Energy Kentucky disagrees with KYSEIA's recommendation that the Commission find that "interconnection capacity is the AC sum of grid-interactive inverters intended for simultaneous system export" and that "energy storage systems do not count toward the total of interconnection capacity unless the energy storage system is explicitly designed to simultaneously export with other on-site inverters."<sup>8</sup> Even if an energy storage system does not export to the grid, the impact of both its charging and any potential discharging must be considered by the interconnection guidelines and calculation of capacity.

Utilities Should Not Be Required to Allow Meter Collars on Utility-Owned Equipment, Such As Between the Meter and Meter Socket

KYSEIA's broad recommendation to require utilities to "allow the installation of meter collars"<sup>9</sup> should be rejected. Due to safety and technical considerations, Duke Energy Kentucky does not permit any customer-owned devices "between the Company's meter and the meter socket."<sup>10</sup> Alternative locations for meter collars could be considered, such as in a discrete meter pan downstream of the Company-owned meter pan, which could serve a similar purpose. However, meter collars "between the meter base and the utility

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<sup>8</sup> KYSEIA Supp. Br., pp. 6-7.

<sup>9</sup> KYSEIA Supp. Br., p. 10.

<sup>10</sup> Requirements For Electric Service And Meter Installations, Ohio and Kentucky, p. 39, available at <https://www.duke-energy.com/-/media/pdfs/partner-with-us/construction-toolbox/ohio-metering-installations-red-book.pdf?rev=d8efc319be914ba98c3b11e55e23e940>.

meter” as KYSEIA suggests,<sup>11</sup> should not be permitted.

#### **IV. RESPONSIVE COMMENTS REGARDING FERC ORDER NO. 2222**

##### **The Commission Should Not Impose Superfluous Ongoing Requirements on Utilities**

Duke Energy Kentucky opposes the recommendations of KYSEIA to require additional cumbersome reporting by “[e]ach utility in Kentucky” on “their facilitation of participation of DERs in wholesale markets” and “a status report of their efforts to coordinate with the ISO/RTO regarding DER integration.”<sup>12</sup> FERC Order No. 2222 already represents the careful consideration and balancing of various factors by the federal regulator and imposes a number of requirements on utilities, among others. Insofar as the Commission may desire more information or discussion on certain specific topics as implementation of FERC Order No. 2222 progresses, it has procedural means to facilitate such information-gathering and discussion on an ad hoc basis as the need arises. Requiring ongoing reporting on the broad and vague general subjects recommended by KYSEIA would be inefficient and burdensome, and the Commission should reject this suggestion.

#### **V. CONCLUSION**

Duke Energy Kentucky appreciates the opportunity to offer this Responsive Supplemental Brief regarding the Commission’s investigation into the net metering interconnection guidelines and FERC Order No. 2222. The Company supports the Commission’s investigation and is confident that the Commission will fairly account for all issues and concerns.

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<sup>11</sup> KYSEIA Supp. Br., p. 10.

<sup>12</sup> KYSEIA Supp. Br., p. 10.

Respectfully submitted,

DUKE ENERGY KENTUCKY, INC.

/s/Larisa M. Vaysman

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**CERTIFICATE OF SERVICE**

This is to certify that the foregoing electronic filing is a true and accurate copy of the document being filed in paper medium; that the electronic filing was transmitted to the Commission on April 20, 2026; that there are currently no parties that the Commission has excused from participation by electronic means in this proceeding; and that submitting the original filing to the Commission in paper medium is no longer required as it has been granted a permanent deviation.<sup>13</sup>

*/s/Larisa M. Vaysman*  
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<sup>13</sup> *In the Matter of Electronic Emergency Docket Related to the Novel Coronavirus COVID-19*, Case No. 2020-00085, Order (Ky. P.S.C. July 22, 2021).