



American Electric Power Service Corporation
as agent for
Kentucky Power Company

Request for Proposals
Power Purchase Agreements (PPAs)

from Qualified Bidders
for
Battery Storage Resources

Kentucky Power Company is seeking resources (e.g. wind, solar, thermal, battery storage) via Power Purchase Agreements (PPAs) totaling up to:

Approximately 875 MW of Accredited Summer Capacity, and
Approximately 1,300 MW of Accredited Winter Capacity

This RFP is associated with Battery Storage Resources only.
Other RFPs may be found at the Web Address noted below.

RFP Issued: September 22, 2023

Proposals Due: November 8, 2023

Web Address: <https://www.kentuckypower.com/rfp>

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BACKGROUND

Kentucky Power Company (“KPCO” or the “Company”) is pursuing additional generation resources via three Request for Proposals (“RFPs”) to satisfy the need for additional capacity resources consistent with their 2022 Integrated Resource Plan as follows:

- ~875 MW of Accredited Summer Capacity, *and*
- ~1,300 MW of Accredited Winter Capacity

Resources contracted for as the result of the RFPs will be used to satisfy both the needs of the Summer and Winter Capacity volumes outlined above.

The Company will evaluate each of the RFPs, individually and collectively, to determine the portfolio of projects that it elects to move forward with.

PPA	Wind and Solar RFP seeking one or more power purchase agreements (PPAs).
Thermal	Thermal RFP seeking one or more Power Purchase Agreements (PPAs)
Standalone Storage (PPA)	Standalone Storage RFP seeking energy, capacity, and ancillary services via one or more PPAs with a Battery Storage Resource.

This RFP is associated with Standalone Storage RFP only.

The wind and solar PPA RFP and Thermal RFP may be found at www.kentuckypower.com/rfp.

1. Introduction

American Electric Power Service Corporation (AEPSC) and Kentucky Power Company (KPCO, Company or Kentucky Power) are subsidiaries of American Electric Power Company, Inc. (AEP).

AEPSC is administering this Request for Proposals (RFP) on behalf of KPCO. Affiliates of AEP and KPCO (Affiliate) will not participate in this RFP.

American Electric Power is one of the largest electric utilities in the United States, delivering electricity and custom energy solutions to approximately 5.6 million customers in 11 states. AEP owns the nation's largest electricity transmission system, a more than 40,000-mile network that includes more 765-kilovolt extra-high voltage transmission lines than all other U.S. transmission systems combined. AEP also operates 225,000 miles of distribution lines. AEP ranks among the nation's largest generators of electricity, owning approximately 25,000 megawatts of generating capacity in the U.S. AEP also supplies over 5,300 megawatts of renewable energy to customers. AEP's utility units operate as AEP Ohio, AEP Texas, Appalachian Power (in Virginia and West Virginia), AEP Appalachian Power (in Tennessee), Indiana Michigan Power, Kentucky Power, Public Service Company of Oklahoma, and Southwestern Electric Power Company (in Arkansas, Louisiana and east Texas). AEP's

headquarters are in Columbus, Ohio. More information about AEP can be accessed by visiting www.aep.com.

Kentucky Power Company, headquartered in Ashland, KY, encompasses the AEP service territory in Eastern Kentucky. KPCO serves approximately 163,000 customers. KPCO has 1,263 miles of transmission and 10,074 miles of distribution lines. Additional information regarding KPCO can be accessed by visiting www.kentuckypower.com.

2. RFP Overview

- 2.1 KPCO is requesting Proposals which will result in obtaining approximately: 875 MW of PJM Accredited Summer Capacity and 1,300 MW of PJM Accredited Winter Capacity from generation resources to meet overall capacity need. The Projects sought through this RFP are to satisfy the requirements identified in the 2022 IRP. Depending on the results of the RFP, the Company may pursue different quantities or types of resources from those specified in the IRP.
- 2.2 This RFP seeks PPAs for the purchase of Energy Storage Products (Energy, Capacity, and Ancillary Services) from the Battery Storage Resources. KPCO will not consider proposals in this RFP that do not meet these criteria. Proposals for Thermal, and PPAs other than Standalone Storage products should be submitted separately into the Company's Thermal and Wind and Solar PPA RFPs (see "Background," page 1.)
- 2.3 The minimum nameplate rated bid size for this RFP is 1) 20 MWac for PJM Interconnected Projects, and 2) 4 MWac for KPCO Distribution Connected Projects.
- 2.4 Affiliates of AEP and KPCO will not participate in this RFP.
- 2.5 KPCO may execute one or more Energy Storage Project PPAs as a result of this RFP.
- 2.6 Any Project(s) with which KPCO moves forward as a result of this RFP will be subject to receipt of the necessary regulatory approval, including regulatory approval from the Kentucky Public Service Commission (KPSC).
- 2.7 All questions regarding this RFP should be emailed to:

KPCO2023RFP@aep.com

On a weekly basis following the issuance of the RFP until the Proposal Due Date, KPCO will post a list of the non-confidential "Questions and Answers" on its RFP website:

<https://www.kentuckypower.com/rfp>

- 2.8 This RFP is not a commitment by the Company to purchase the Energy Storage Products from any Project and it does not bind the Company or its Affiliates in any manner. The Company in its sole discretion will determine which Bidders, if any, it wishes to engage in negotiations with that may lead to PPAs with one or more selected Projects.

3. Product Description and Requirements

- 3.1. Product: The Company is seeking to purchase the Energy Storage Products from a Project to deliver energy into PJM (PJM Interconnection L.L.C.) or KPCO's distribution electrical system via a PPA. Energy Storage Products shall include:
 - 3.1.1. Energy
 - 3.1.2. Capacity
 - 3.1.3. Ancillary Services (if available)
- 3.2. Delivery Period: The Delivery Period for both new and existing Projects shall commence on January 1, 2027, or January 1, 2028, and continue for the length of the Term.
- 3.3. Expected Commercial Operation Date (COD): If not already operational, the Company is pursuing Projects that can achieve an Expected Commercial Operation Date (COD) by December 31, 2026, or December 31, 2027 for the respective Delivery Periods.
- 3.4. Term: The maximum Term of the PPA shall be no more than ten (10) years. Bidder may offer Alternate Term proposals, provided the Term is no more than ten (10) years.
- 3.5. Size: The minimum acceptable Project size is 20 MWac for PJM interconnected Projects and 4 MWac for KPCO distribution interconnected Projects.
- 3.6. The Battery Storage Resource shall have the following Technical and Operational Requirements:
 - 3.6.1. A minimum of 4-hour energy storage system.
 - 3.6.2. Minimum size 4MW/4MWh; 1 MW for 4 Hours or 4 MWs for 1 Hour.
 - 3.6.3. Capability to operate at least 100 cycles per year with a maximum of 350 cycles per year. One cycle is the charge and discharge of a battery's total useable energy storage capability once a day.
 - 3.6.4. Must maintain at least a 98% availability for dispatch in each calendar year.
 - 3.6.5. Existing Projects must demonstrate a minimum roundtrip efficiency of 80%. New Projects must provide documentation to support the proposed technology can achieve a roundtrip efficiency of at least 80%.
 - 3.6.6. Must demonstrate an ability to comply with all PJM generator requirements including but not limited to metering, telemetry, voltage and reactive control, data specifications and capacity accreditation testing as defined in PJM's governing documents and manuals.
 - 3.6.7. Must meet PJM's Generation Capacity Resource Minimum Unit Specific Operating Parameters for Capacity Storage Resources.
- 3.8. Location: Projects must be physically located in the PJM Interconnection, LLC Region. The interconnection point with the PJM transmission system or KPCO's distribution electrical system will be the Point of Delivery.

3.9. Local Goods & Services: KPCO encourages the use of local goods or services sourced, in whole or in part, from one or more Kentucky businesses in the construction and/or operation of the Project or United States-based manufacturers using materials or product components made in Kentucky.

3.10. Project Development:

3.10.1. Bidder must have established site control of the proposed Project. Site control must be in the form of direct ownership, land lease, land lease option or easement. A letter of intent will not be an acceptable form of demonstrated site control.

3.10.2. Construction Labor: KPCO prefers that Bidders use union labor with an affiliation to the Building and Construction Trade Unions for the site preparation and construction of the Project. Proposals for non-union labor will be accepted.

3.10.3. Bidder shall use reasonable efforts to utilize and adopt a subcontracting plan to use small and diverse suppliers as subcontractors for work.

3.11. Interconnection:

3.11.1. Projects must be interconnected to PJM and have a completed PJM System Impact Study that remains active in the PJM queue.

OR

3.11.2. Projects must be interconnected to KPCO's distribution electrical system and must have a completed Distribution Impact Study from the KPCO Distribution Planning Group prior to the Proposal Due Date. In addition, the application for the Distribution Impact Study shall have a utility date and time stamp no later than September 22, 2023.

3.11.3. Bidders are responsible for following the established policies and procedures that are in effect regarding facility interconnection and operation with the interconnecting utility and PJM.

3.11.4. The Bidder is responsible for all costs associated with transmission interconnections and system upgrades as required by the interconnecting utility and PJM.

4. Bid Price and Structure:

4.1. Pricing provided should be fixed (no escalation) for the proposed monthly capacity, energy, and ancillary services payment. Additional bids may also be submitted if Bidder elects to propose alternate pricing structures.

4.2. Pricing must include all capital costs, fixed and variable O&M costs, taxes, augmentation costs due to degradation, and any other costs, as well as any Federal Tax Credit benefits, associated with delivering the full contracted output of the facility to the bid-specified Point of Delivery. Pricing must include the Company's exclusive use of the storage resource and the right to dispatch the storage resource at its discretion (within operating limitations) and for its benefit.

- 4.3. Optional Project size(s) provided cannot be contingent on Bidder selling the remaining portion of the Project to another party via a sale of a portion of the project company or a power purchase agreement.
- 4.4. Proposals must include a Bid Price for a Term of no more than 10-years.
- 4.5. All costs associated with distribution and/or transmission interconnection (as applicable) and interconnection facilities required for the Project, including any system upgrades, as required by the interconnecting utility or PJM up to the Point of Delivery, shall be included in the Bidder’s pricing where appropriate under current FERC orders and rulings.
- 4.6. The Bid Price shall include any costs associated with meeting the credit requirements stated in the Form Term Sheet.
- 4.7. Associated Attributes. For purposes of this RFP, the sale of Energy Storage Products to KPCO under the long-term PPA includes the transfer of all capacity, energy, and ancillary services (if any), and technology attributes.
- 4.8. Prices must be firm, representing best and final bid. Proposals and bid pricing must be valid for at least 180 days after the Proposal Due Date.
- 4.9. Bidder must acknowledge and accept all responsibilities for PJM capacity performance requirements and penalties.

5. RFP Schedule

The schedule and deadlines set out in this section apply to this RFP. KPCO reserves the right to revise this schedule at any time and at its sole discretion.

RFP Issued	September 22, 2023
Proposal Due Date	November 8, 2023
Bidder(s) Selected for Final Contract Negotiations	January 31, 2024
Contract Execution	June 1, 2024
State Regulatory Filings	July 1, 2024
Receipt of Regulatory Approval Order(s)	December 15, 2024
Seller Conditions to NTP achieved	March 31, 2025
Notice to Proceed (NTP)	April 15, 2025
Commercial Operation for new Projects by	December 15, 2026 or December 15, 2027
PPA Delivery Period Start Date	January 1, 2027 or January 1, 2028

6. Proposal Submission

- 6.1. Bidders will be required to sign a Confidentiality Agreement (CA) prior to receiving detailed instructions on how to access the RFP Proposal documents and submit Proposals.
- 6.2. Bidder should request KPCO's Form CA by emailing (KPCO2023RFP@aep.com) and including the following documentation:
 - Supporting documentation of Bidder's experience in developing, engineering, procuring equipment, construction, and commissioning battery storage facilities (> Project bid size) in the United States or any portion of Canada and/or otherwise have demonstrated appropriate experience.
 - Verification of Site Control as required by Section 3.10.
 - PJM Projects: Completed PJM System Impact Study as required by Section 3.11.1.
 - KPCO Distribution Projects: Verification that the 1) Bidder expects to have a completed KPCO Distribution Impact Study as required by Section 3.11.2 prior to the Proposal Due Date, and 2) the application for the Distribution Impact Study had been submitted with a utility date-stamp and time-stamp of no later than September 15, 2023.
- 6.3. A complete Proposal shall be submitted electronically by the Proposal Due Date via a Box site.
- 6.4. Proposals must be complete in all material respects and received in the above-reference Box site no later than 3 p.m. EST on the Proposal Due Date as defined in Section 5.
- 6.5. The Company will send an email to the Bidder acknowledging its receipt of the Bidder's Proposal.
- 6.6. KPCO reserves the right to solicit additional proposals, if it deems necessary to do so, and the right to submit additional information requests to Bidders during the evaluation process.
- 6.7. Proposals and Bid Pricing must be valid for at least 180 days after the Proposal Due Date at which time Proposals shall expire unless the Bidder has been notified that its Proposal has been included in the Final Project Selection.
- 6.8. A Proposal should be as complete and comprehensive as possible to enable the Company to make a definitive and final evaluation of the Proposal's benefits to its customers without further contact with the Bidder.

7. Proposal Content

Bidders must submit the following information for each Proposal. All electronic versions of the Appendices must be uploaded to the designated Appendix folders in the Box site.

- 7.1. A completed Proposal Content Check Sheet (Appendix A).
- 7.2. An executive summary of the Project's characteristics and timeline, including any unique aspects and benefits.
- 7.3. A Completed Project Summary for Battery Storage Resource Projects, including the electronic Project Summary Form (link to form in Box), with the following attachments (Appendix B):
 - A completed Battery Storage Design Criteria Data Sheet
 - Interconnection Studies: Include a copy of ALL completed interconnection studies (i.e. System Impact Study, Distribution Impact Study, Facilities Study, etc.)
 - Site Layout: Include a diagram or map identifying anticipated placement of major equipment and other project facilities, including transmission layouts and Point of Delivery.
 - Site Control Documents: Include a copy of all leases, easements, or other ownership documentation (§3.10.1).
 - Permit Matrix: Attach a comprehensive permit matrix and status of all required permits, including, but not limited to Federal (USFWS, FAA), State, County, City, etc.
 - Environmental Report Summary: Summary of all environmental and other reports associated with the site.
 - Bidder must provide documentation showing they have substantial experience in operating and maintaining Battery Storage facilities of an equal or greater MW size in the United States or any portion of Canada within the jurisdiction of NERC, and (ii) meet all applicable requirements under applicable law for operating and maintaining the Battery Storage facility, including the requirements of an RTO / ISO. A Person will be deemed to have such substantial experience if it is a Person that has at least three (3) years of experience in operating and maintaining Battery Storage facilities of a similar MW size or greater in the United States or any portion of Canada within the jurisdiction of NERC.
- 7.4. A completed Appendix C (Proposal Bid Pricing).
- 7.5. A completed Appendix D (Bidder's Credit-Related Information and Bidder Profile) which shall include:
 - The identity of all persons and entities that have a direct or indirect ownership interest in the Project.
 - Copies of the Annual Reports for the three most recent fiscal years and quarterly reports for the most recent quarter ended, if available.
 - At least three third-party references.
- 7.6. Provide (i) an affirmative statement that Bidder's taking no exception to the Form Term

Sheet provided pursuant to this RFP; or (ii) a comprehensive list of exceptions to the terms and conditions contained in the applicable Form Term Sheet (Appendix E).

- 7.7. Bidder shall submit a Finance Plan on a separate form. Bidders must provide a proposed financing plan, including any letters of support, previous correspondence with banks / lenders intending to provide financing for the project. Also provide the proposed on-going debt-equity ratio to be carried by the project during construction and operation (Appendix F).
- 7.8. Completed (Appendix G) including:
- Use of Local Goods & Services: Plan for use of local goods or services sourced, in whole or in part, from one or more Kentucky businesses in the construction and/or operation of the Project. The bidder should identify these Kentucky resources in its proposal. (§3.9)
 - Use of Small and Diverse Suppliers: Plan to use reasonable efforts to utilize and adopt a subcontracting plan to use small and diverse suppliers as subcontractors for work (§3.10.3)

8. Proposal Evaluation

Proposals must include ALL applicable content requirements as described in Section 7 – Proposal Content. KPCO will consider bids that are reliable, feasible and represent the reasonable cost means of satisfying the requirements of this RFP. The Evaluation Process, which includes three main steps, is central to the success of KPCO’s RFP process.

Section 8.1: Eligibility and Threshold Requirements
Section 8.2: Detailed Analysis
Section 8.3: Final Project Selection

- 8.1 Eligibility and Threshold Requirements: If the Proposal does not qualify under any one of the Sections 8.1.1 – 8.1.10, the Bidder’s Proposal will not qualify for this RFP and Bidder will be notified accordingly.
- 8.1.1 Proposal must be for a PPA and include the Energy Storage Products from a Battery Storage Resource (§3.1).
- 8.1.2 If not already operational, Projects must be able to achieve an Expected Commercial Operation Date (COD) by December 31, 2026, or December 31, 2027. (§3.3).
- 8.1.3 PJM interconnected Projects must have a minimum size of 20 MWac and KPCO Distribution interconnected projects must have a minimum size of 4 MWac. (§3.5).
- 8.1.4 Projects must be 1) physically located in the PJM Region (interconnected to the PJM Transmission system) or 2) interconnected to the KPCO distribution system. (§3.8).
- 8.1.5 Bidder must have established Site Control (§3.10.1).

- 8.1.6 Bidder must have 1) a completed PJM System Impact Study (§3.11.1) which remains active in the PJM queue, or 2) a completed KPCO Distribution Impact Study prior to the Proposal Due Date and the application for the Distribution Impact Study had been submitted no later than September 15, 2023 (§3.11.2).
 - 8.1.7 Bidder must provide a Bid Price for up to a 10-year Term (§4.4).
 - 8.1.8 Bidder or its affiliates must have completed the development, engineering, equipment procurement, and construction of a project, within the United States or Canada, of the same technology type, and of a size comparable to that of the Bidder's proposed Project and/or have demonstrated appropriate experience (§7.3).
 - 8.1.9 Bidder's exceptions to the Form Term Sheet, considered individually or in the aggregate, are minimally acceptable to the Company as a basis for further discussions (§7.6).
 - 8.1.10 Bidder is required to include requested financial information (Appendix D) so that AEP's credit department can conduct a financial wherewithal assessment. The Proposal price shall include any costs associated with meeting the Term Sheet credit requirements (§4.6).
- 8.2 Detailed Analysis: Proposals meeting the Eligibility and Threshold Requirements in Section 8.1 will move to the Detailed Analysis phase which is comprised of the Economic Analysis and the Non-Price Factor Analysis set forth below. The Economic Analysis will constitute 60% and the Non-Price Factor Analysis 40% of the overall evaluated value of each Proposal.
- 8.2.1 Economic Analysis: The Economic Analysis will include the calculation of three financial metrics which will provide multiple perspectives on cost and value. These will include Levelized Adjusted Net Cost of Energy (LANCOE), Levelized Adjusted Net Cost of Capacity (LANCOC), and a Value to Cost (V/C) Ratio.
- V/C Ratio will be the primary ranking metric, which will constitute 60% of the overall evaluated value of the Proposal in its Final Project Selection. Additional details of the three financial metrics described above are as follows:

$$\text{LANCOE (\$/MWh)} = \frac{\text{Total Cost* (Present value of all Project costs, net of Total Value*)}}{\text{Present Value of Projected Energy Production (MWh)}}$$

$$\text{LANCOC (\$/MW-Day)} = \frac{\text{Total Cost* (Present value of all Project costs, net of Total Value*)}}{\text{Present Value of Projected PJM Accredited Capacity in MW}}$$

$$\text{V/C Ratio} = \frac{\text{Total Value*}}{\text{Total Cost* (Present value of all Project costs*)}}$$

* Defined below

Total Cost: The Company will determine the present value of the costs of each qualifying Proposal. This Total Cost calculation is based on a PSA Proposal’s Bid Price (\$M) plus projected operations and maintenance costs (including land lease costs), fuel expense, Transmission and Congestion costs, tax expenses, decommissioning costs (including expected salvage), and applicable federal tax credits. For PPA bids, Total Costs will be evaluated based on the contract’s demand charges, energy charges, and any other applicable charges. Other costs may be included based on the Company’s discretion to appropriately evaluate each Proposal to ensure the Company is comparing all qualifying Proposals on an equivalent basis.

Total Value: The Company will determine the present value of all the value streams of each qualifying Proposal. The value streams include the expected PJM revenues for the Proposal’s energy, ancillary services and capacity, and the expected value of renewable energy certificates (RECs), and any applicable terminal value. Additionally, other value streams and financial metrics may be included based on the Company’s discretion to appropriately evaluate each Proposal to ensure the Company is comparing all qualifying Proposals on an equivalent basis.

Transmission and Congestion Costs: Transmission and Congestion Costs will be determined by the Company’s transmission screening analysis. The transmission screening analysis will evaluate (i) transmission facilities cost and the network upgrade cost allocated to the Proposal, (ii) expected cost of transmission congestion and losses to the AEP KY’s PJM load zone and (iii) cost of deliverability / curtailment risk mitigation that the Company calculates to ensure that the resources can be designated as firm resources to meet Company’s capacity obligations. Transmission and Congestion Costs will be included in Total Cost calculations.

Accredited Capacity: Accredited Capacity shall be computed by adjusting a qualifying Proposal’s applicable nameplate or contracted capacity by the expected adjustments that are used- or are expected to be used by the PJM RTO to determine the number of MW that the Company will be credited for use in meeting applicable capacity obligations. These adjustments will include, but are not limited to, summer and winter Effective Load Carrying Capability (ELCC) adjustments and forced outage rate adjustments.

8.2.2 Non-Price Factor Analysis: The Non-Price Factor Analysis will be comprised of the following:

8.2.2.1 Project Location.

8.2.2.2 Local economic impacts & benefits, Community relations, and use

of local and diverse suppliers. Please refer to <https://www.aep.com/b2b/suppliers> for guidelines.

- 8.2.2.3 The Project's Dispatch Flexibility including: Dispatch Range, Ramp Rates, Max Operational Hours, Minimum up & down times, and Ancillary Service potential.
 - 8.2.2.4 Cost & technology risk including: Natural gas pricing, Firm fuel cost requirements, Storage Charging costs, & PJM Performance Assessment Interval (PAI) Risk.
 - 8.2.2.5 Bidder's experience in developing similar projects as included in the Proposal as well as Bidder's operating history of similar generation facilities.
 - 8.2.2.6 Status of interconnection process with PJM or KPCO distribution, as applicable.
 - 8.2.2.7 The development status of Bidder's generation facility including, but not limited to, permitting status.
 - 8.2.2.8 Bidder's exceptions to the Form Term Sheet. The Company will review the exceptions the Bidder proposed to the Company's form agreement with a focus on risks or additional costs to the Company. Prior agreement by AEP in previous negotiations does not constitute acceptance of an exception.
- 8.3 Final Project Selection: KPCO will consider bids that are reliable, feasible and represent a reasonable cost means of satisfying the requirements of this RFP. Based on the results of the Detailed Analysis described above, the Company will determine which Projects will be included in the Final Project Selection. The Company will notify Bidders whether or not their Proposal has been selected and negotiation of definitive agreements will commence with Bidders whose Proposals have been selected.

9. Reservation of Rights

A Proposal will be deemed accepted only when the Company and the selected Bidder have executed definitive agreements for the Company's purchase of Energy Storage Products from the Project. The Company has no obligation to accept any Proposal, whether the stated price in such Proposal is the lowest price offered. The Company may reject any Proposal in its sole discretion and without any obligation to disclose the reason or reasons for rejection.

By participating in the RFP process, each Bidder agrees that any and all information furnished by or on behalf of the Company in connection with the RFP is provided without any representation or warranty, express or implied, as to the usefulness, accuracy, or completeness of such information, and neither the Company nor its Affiliates nor any of their personnel or representatives shall have any liability to any bidder or its personnel or representatives relating to or arising from the use of or reliance upon any such information or any errors or omissions therein.

The Company reserves the right to modify or withdraw this RFP, to negotiate with any and all qualified Bidders to resolve any and all technical or contractual issues, or to reject any or all Proposals and to terminate negotiations with any Bidder at any time in its sole discretion. The Company reserves the right, at any time and from time to time, without prior notice and without specifying any reason and, in its sole discretion, to (a) cancel, modify or withdraw this RFP, reject any and all Proposals, and terminate negotiations at any time during the RFP process; (b) discuss with a Bidder and its advisors the terms of any Proposal and obtain clarification from the Bidder and its advisors concerning the Proposal; (c) consider all Proposals to be the property of the Company, subject to the provisions of this RFP relating to confidentiality and any confidentiality agreement executed in connection with this RFP, and destroy or archive any information or materials developed by or submitted to the Company in this RFP; (d) request from a Bidder information that is not explicitly detailed in this RFP, but which may be useful for evaluation of that Bidder's Proposal; (e) determine which Proposals to accept, favor, pursue or reject; (f) reject any Proposals that are not complete or contain irregularities, or waive irregularities in any Proposal that is submitted; (g) accept Proposals that do not provide the lowest evaluated cost; (h) determine which Bidders are allowed to participate in the RFP, including disqualifying a Bidder due to a change in the qualifications of the Bidder or in the event that the Company determines that the Bidder's participation in the RFP has failed to conform to the requirements of the RFP; (i) conduct negotiations with any or all Bidders or other persons or with no Bidders or other persons; (j) execute one or more definitive agreements with any Bidder, and (k) utilize a Bidder's completed Appendices and any supplemental information submitted by the Bidder in any its regulatory filings.

10. Confidentiality

KPCO will take reasonable precautions and use reasonable efforts to maintain the confidentiality of all bids submitted. Bidders should clearly identify each page of information considered to be confidential or proprietary. KPCO reserves the right to release any proposals to agents or consultants for purposes of proposal evaluation. KPCO's disclosure policies and standards will automatically bind such agents or consultants. Regardless of the confidentiality, all such information may be subject to review by or in proceedings before the appropriate state authority, or any other governmental authority or judicial body with jurisdiction relating to these matters and may be subject to legal discovery. Under such circumstances, KPCO and AEPSC will make reasonable efforts to protect Bidder's confidential information.

11. Bidder's Responsibilities

- 11.1 It is the Bidder's responsibility to submit all requested material by the deadlines specified in this RFP.
- 11.2 Bidder should make its proposal as complete and comprehensive as possible so that KPCO may make a definitive and final evaluation of the proposal's benefits to its customers without further contact with the Bidder.
- 11.3 Bidders are responsible for the timely completion of the project and are required to

submit proof of their financial and technical wherewithal to ensure the successful completion of the project.

- 11.4 The Bidder will be responsible for any expenses Bidder incurs in connection with the preparation and submission of a Proposal and/or any subsequent negotiations regarding a Proposal in response this RFP. KPCO will not reimburse Bidders for their expenses under any circumstances, regardless of whether the RFP process proceeds to a successful conclusion or is abandoned by KPCO at its sole discretion.

12. Contacts

General RFP Questions: All correspondence and questions, with the exception of interconnection related questions, regarding this RFP should be directed to:

KPCO2023RFP@aep.com

PJM Interconnection: All correspondence and questions regarding the PJM Interconnection process can be found at:

[PJM Interconnection](#)

KPCO Interconnection: All correspondence and questions regarding the KPCO Interconnection process can be found at:

[KPCO Interconnection](#)

Appendix A

Proposal Content Check Sheet

Section	Item	Completed
7.2	Executive Summary	
7.3	Appendix B (Project Summary)	
	- Completed electronic Project Summary Form (link to form in Box site)	
	- Company & General Project Information	
	- Energy Storage Project Information	
	- Interconnection	
	- Site Information	
	- Permits	
	- Preliminary Site Questions	
	- Bidder Projects Completed	
	Attachments Required:	
	- Battery Storage Design Criteria Data Sheet	
	- Interconnection Studies	
	- Site Layout (Map)	
	- Site Control Documents	
	- Permit Matrix	
	- Environmental Report Summary	
7.4	Appendix C (Proposal Bid Pricing)	
7.5	Appendix D (Bidder's Credit Related Information & Bidder's Profile)	
7.6	Appendix E (Exceptions to Form Term Sheet)	
7.7	Appendix F (Finance Plan)	
7.8	Appendix G (Local Goods & Services/Supplier Diversity/Community Support)	

Appendix B Project Summary

Company Information

Bidder (Company):		
Contact Name:		
Contact Title:		
Address:		
City:	State:	Zip Code:
Work Phone:	Cell Phone:	
Email Address:		
Is the Proposal being submitted through a partnership, joint venture, consortium, or other association? _____ If so, please identify all partners, joint ventures, members, or other entities or persons comprising same.		

General Project Information

Project Name:		
Project site located (County, State):		
Will Project comply with the Prevailing Wage and Apprenticeship Requirements (PWAR) (Y/N):		
Interconnection Path (select all that apply)	KPCO (Y/N):	PJM (Y/N):
Expected Commercial Operation Date:	Availability %:	
Bidder confirms it has substantial Project site control including to the Point of Interconnection:	(Y/N)	

Energy Storage Project Information

Storage Resource Description:				
Duration (Hours):				
Economic Life Assumption (Years):				
Project Capacity Values, MWac	Nameplate Rating	Winter Rating	Summer Rating	PJM Capacity Value
<i>Additional Storage Project information to be provided in the Battery Storage Design Criteria Data Sheet (BatteryStorageDesignCriteriaDataSheet.xls)</i>				

Interconnection – PJM (if applicable)

PJM Queue #:		Substation Name / Voltage:	
Feasibility Study Complete (Y/N):		Feasibility Study Report Date:	
System Impact Study Complete (Y/N):		System Impact Study Report Date:	
Facilities Study Complete (Y/N):		Anticipated Facilities Study Completion Date:	
Total Network Upgrade Costs (including Affected System Network Upgrade Costs) Allocated to Project from System Impact Study or Facilities Study if completed:		\$	
Total Direct Interconnection costs from System Impact Study or Facilities Study if completed:		\$	
Point of Interconnection with :			
Types of transmission service (NRIS, ERIS)			
PJM Interconnection Status, including description of any communication with PJM specifically indicating project status related to recently proposed PJM Queue Reform (i.e. “Fast Lane”) (describe):			
<i>Please attach a copy of all interconnection studies and/or the expected completion date(s).</i>			

Interconnection - KPCO Distribution (if applicable)

Application Date:	
Distribution Impact Study Completion Date:	
Application #:	Substation Name / Voltage:
Status (describe):	

Site Information

Site Legal Description:		
Address:		
City:	State:	Zip Code:
County:	Latitude:	Longitude:
Site Control (lease, easement, own, site purchase pending, etc.):		
Site Acres Required:	Site Acres Secured:	
Is there potential for expansion (Y / N):	If Yes; acres available:	
<i>Refer to Appendix B (Attachments Required) for Site Layout and Site Control Documents requested.</i>		

Permits

Has Bidder contacted all required permitting agencies and identified all permits for project?
Local (City/County) (Y / N):
State (Y / N):
Federal (Y / N):
Wildlife Resources (Federal, State, etc.) (Y / N):
Other (Y / N):
<i>Refer to Appendix B (Attachments Required) for the Permit Matrix requested.</i>

Preliminary Site Questions (Y/N)

Has the site been assessed for any environmental contamination? Describe any known environmental issues. If necessary, please describe on a separate attachment	
Are there any Tribal Lands or Tribal mineral ownership rights within Project boundary or vicinity?	
Are there any Federally or State owned or controlled lands within Project boundary or vicinity?	
Has The Nature Conservancy or any other non-governmental organizations been engaged?	
Are there Conservation Reserve Program, Wetland Reserve Program or other conservation easements within the Project boundary or vicinity?	
Are there any pollinator vegetation requirements associated with the Project?	
Is the Project located on a brownfield site (e.g. former coal mine)?	
<i>Refer to Appendix B (Attachments Required) for the Environmental Report Summary requested.</i>	

Attachments Required

- **ITC Strategy:** Summary of how the Project will qualify for Federal Tax Credits (e.g. ITCs).
- **Interconnection Studies:** Attach a copy of ALL completed interconnection studies (i.e. System Impact Study, Distribution Impact Study, Facilities Study, etc.).
- **Site Layout:** Include a diagram or map identifying anticipated placement of major equipment and other project facilities, including transmission layouts and Point of Delivery.
- **Site Control Documents:** Attach a copy of all leases, easements or other ownership documentation, including to point of interconnect.
- **Permit Matrix:** Attach a comprehensive permit matrix and status of all required permits, including, but not limited to Federal (USFWS, FAA), State, County, City, etc.
- **Environmental Report Summary:** The initial Proposals shall include a summary of all environmental and other reports associated with the site. (See **Note 1** for reports to summarize)

Note 1: As applicable, the following reports are requested: Tier I / II Site Characterization Report, Environmental Work / Survey Plan, Bat Acoustic Survey Report, Avian Use Survey Report, Raptor Nest Survey Report, Prey-base Survey Report, Wetland, Waters and Playa Survey / Assessment Report, Whooping Crane Habitat Assessment Report, Lesser Prairie Chicken Survey / Assessment Report, Phase I Environmental Site Assessment Report, Historical and Cultural Resource Survey / Assessment Report, All Other Species and Environmental Resource Survey and Study Reports, Record and Notes of all Federal or State Resource Agency Correspondence and Meetings, Turbine and Environmental Resource Shapefiles (.kmz format), and Bird and Bat Conservation Strategy and Eagle Conservation Plan (if available).

Bidder Completed Projects

Provide a summary of all Energy Storage Projects >4 MW that Bidder has successfully developed and completed in the United States or Canada. For each project, describe the Bidder's specific role in the project.

Project	Resource Type (Wind/Solar/Battery)	Location	MW	Commercial Operation Date	Bidder's Role

Total MW =

Appendix C

Base Proposal Bid Pricing¹

Expected COD by	PPA Term ²	Maximum Annual Cycles	Capacity Payment (\$/kW-month)	Alternative Proposed PPA Price Structure
			\$	

Note 1: Optional size(s) provided cannot be contingent on Bidder selling the remaining portion of the Project to another party via a sale of a portion of the project company or a power purchase agreement.

Note 2: Proposal must be no longer than a 10-year Term. In addition, alternate terms (<10 years) may be submitted.

Please answer the following questions related to the bid price above:

Does Bid Price include the use of union labor?	(Y/N):
--	--------

Alternate Bid Pricing (not required)

Expected COD by	PPA Term ²	Maximum Annual Cycles	Capacity Payment (\$/kW-month)	Alternative Proposed PPA Price Structure
			\$	

Does Bid Price include the use of union labor?	(Y/N):
--	--------

Expected COD by	PPA Term ²	Maximum Annual Cycles	Capacity Payment (\$/kW-month)	Alternative Proposed PPA Price Structure
			\$	

Does Bid Price include the use of union labor?	(Y/N):
--	--------

Appendix D

Bidder's Credit-Related Information

Full Legal Name of the Bidder:
Type of Organization (Corporation, Partnership, etc.):
Bidder's % Ownership in Proposed Project (as of proposal submittal date):
If Bidder's Ownership is <100%, identity of all persons and entities that have a direct or indirect ownership interest in the Project:
Full Legal Name(s) of Parent Corporation: 1. 2. 3.
Entity Providing Credit Support on Behalf of Bidder (if applicable): Name: Address: City: Zip Code:
Type of Relationship of Credit Support Provider:
Current Senior Unsecured Debt Rating: 1. S&P: 2. Moody's:
Bank References & Name of Institution:
Bank Contact: Name: Title: Address: City: Zip Code: Phone Number:
Legal Proceedings: As a separate attachment, please list all lawsuits, regulatory proceedings, or arbitration in which the Bidder or its affiliates or predecessors have been or are engaged that could affect the Bidder's performance of its bid. Identify the parties involved in such lawsuits, proceedings, or arbitration, and the final resolution or present status of such matters.
Financial Statements: Please provide copies of the Annual Reports for the three most recent fiscal years and quarterly reports for the most recent quarter ended, if available. If available electronically, please provide link.

Bidder's Profile

Please list Bidder's Affiliate companies:

- 1.
- 2.
- 3.
- 4.

References

1. Company
 - a. Contact Name:
 - b. Contact Number:
 - c. Project:
2. Company
 - a. Contact Name:
 - b. Contact Number:
 - c. Project:
3. Company
 - a. Contact Name:
 - b. Contact Number:
 - c. Project:
4. Company
 - a. Contact Name:
 - b. Contact Number:
 - c. Project:

Appendix E

Exceptions to Form Term Sheet

See Section 6.1 for instructions to obtain the applicable Form Power Purchase Agreement.

Bidder shall include a mark up to the Form Power Purchase Agreement as part of its Proposal.

Appendix F

Financing Plan

Bidder to include a description of its financing plan.

Appendix G

Local Goods & Services

Describe how the Bidder will be using local goods or services sourced whole or in part from one or more Kentucky businesses, as applicable, to the extent practical in the purchase of equipment and material, or services for the Project:

Use of Small and Diverse Suppliers

Describe plan to use reasonable efforts to utilize and adopt a subcontracting plan to use small and diverse suppliers as subcontractors for work (<https://www.aep.com/b2b/suppliers>):

Community Support

Please provide a description of any economic benefits to local governments and businesses as well as local property and sales tax benefits. Include any executed agreements with the municipality, if available: