



American Electric Power Service Corporation
as agent for
Kingsport Power Company
d/b/a AEP Appalachian Power

Request for Proposals - PSA

from Qualified Bidders

Totaling up to 200 MWac of nameplate rated
Wind Energy Resources
and / or
Solar Energy Resources

RFP Issued: May 25, 2022

Proposals Due: July 11, 2022

Web Address: <http://www.appalachianpower.com/rfp>

Table of Contents

	Page
1) Introduction	1
2) RFP Overview	2
3) Product Description and Requirements	3
4) Bid Price and Structure.....	4
5) RFP Schedule and Proposal Submission.....	5
6) Proposal Submittal.....	6
7) Proposal Content	7
8) RFP Proposal Evaluation.....	8
9) Reservation of Rights	11
10) Confidentiality.....	11
11) Bidder’s Responsibilities.....	12
12) Contacts	12

Attachments

Solar Project Summary	Appendix A
Wind Project Summary.....	Appendix B
Bidder’s Credit-Related Information.....	Appendix C
Bidder Profile	Appendix D
Form Purchase and Sale Agreement.....	Appendix E
AEP Generation Facility Standard.....	Appendix F
AEP Requirements for Connection of Facilities.....	Appendix G
Solar Resource Information	Appendix H
Wind Resource Analysis / Study	Appendix I
Projected Land Lease / Decommissioning Costs / Auxiliary Load.....	Appendix J
Project Technical Due Diligence Material	Appendix K
Proposal Content Check Sheet.....	Appendix L

1. Introduction

American Electric Power Service Corporation (AEPSC), Appalachian Power Company (APCo or Appalachian Power), and Kingsport Power Company d/b/a AEP Appalachian Power (KgPCo), are subsidiaries of American Electric Power Company, Inc. (AEP).

AEPSC is administering this RFP on behalf of KgPCo, which services approximately 48,000 retail customers in northeast Tennessee and is regulated by the Tennessee Public Utility Commission. KgPCo is recognized as Appalachian Power to customers in its Tennessee service area.

Based in Columbus, Ohio, AEP is powering a cleaner, brighter energy future for its customers and communities. AEP's approximately 16,700 employees operate and maintain the nation's largest electricity transmission system and more than 224,000 miles of distribution lines to safely deliver reliable and affordable power to 5.5 million regulated customers in 11 states. AEP also is one of the nation's largest electricity producers with approximately 31,000 megawatts of diverse generating capacity, including more than 7,100 megawatts of renewable energy. The company's plans include growing its renewable generation portfolio to approximately 50% of total capacity by 2030. AEP is on track to reach an 80% reduction in carbon dioxide emissions from 2000 levels by 2030 and has committed to achieving net zero by 2050. AEP is recognized consistently for its focus on sustainability, community engagement, and diversity, equity and inclusion. In addition to APCo and KgPCo, AEP's family of companies includes utilities AEP Ohio, AEP Texas, Indiana Michigan Power, Kentucky Power, Public Service Company of Oklahoma, and Southwestern Electric Power Company (in Arkansas, Louisiana, east Texas and the Texas Panhandle). AEP also owns AEP Energy, which provides innovative competitive energy solutions nationwide. For more information, visit aep.com.

Appalachian Power Service Territory



2. RFP Overview

- 2.1. KgPCo is requesting Proposals that will result in obtaining up to 200 MW of nameplate rated Wind and/or Solar Energy Resources (Wind Project, Solar Project, Project). Depending on the results of the RFP, the Company may pursue additional resources beyond 200 MW. The minimum nameplate rated bid size for this RFP is 50 MWac.
- 2.2. A Proposal for a wind or solar energy resource (Base Proposal) is required by Bidders to participate in this RFP. Battery energy storage system proposals will not be accepted in this RFP.
- 2.3. The Resources requested via this RFP will be acquired via Purchase and Sale Agreements (PSA) for purchase of 100% of the equity interest of the Project's limited liability company (Project LLC) at Mechanical Completion¹ for solar projects and on or about completion for wind projects. KgPCo will not consider proposals in this RFP that do not meet these criteria. Proposals for PPAs or REC products are not being sought in this RFP.
- 2.4. KgPCo is seeking Wind Projects that will qualify for the Federal Production Tax Credit (PTC), and Solar Projects that will qualify for the Federal Investment Tax Credit (ITC). While qualifying for these Federal Tax Credits is not an Eligibility and Threshold Requirement (§8.1) for participating in the RFP, the value brought to the Proposals in buying down the cost of energy by utilization of these tax credits is significant, and is included in the Company's Economic Analysis (§8.2.1) and ranking of each of the respective Proposals.
- 2.5. KgPCo may execute one or more Wind and/or Solar Project PSAs as a result of this RFP.
- 2.6. Any Project(s) with which KgPCo moves forward as a result of this RFP will be subject to KgPCo's receipt of the necessary regulatory approvals.
- 2.7. All questions regarding this RFP should be emailed to: KgPCoRFP2022@aep.com

KgPCo will post a list of the non-confidential "Questions and Answers" on its RFP website (<http://www.appalachianpower.com/rfp>) on a weekly basis following the issuance of the RFP until the Proposal Due Date.

- 2.8. This RFP is not a commitment by the Company to acquire 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 definitive agreements for the acquisition of one or more selected Projects.

¹ Mechanical Completion means the Project has been mechanically completed, assembled, erected and installed in accordance with the terms and conditions of the PSA.

3. Product Description and Requirements

- 3.1. Completed Project: Each Project must be a complete, commercially operable, integrated wind or solar powered electric generating plant, including all facilities that are necessary to generate and deliver energy into PJM (PJM Interconnection L.L.C) by the Expected Commercial Operation Date.
- 3.2. Expected Commercial Operation Date (COD): The Company is pursuing Projects that can achieve an Expected Commercial Operation Date (COD) by 12/15/2025.
- 3.3. Size: The KgPCo RFP is seeking up to 200 MWac nameplate rated Wind and/or Solar generation resources. The minimum acceptable Project size is 50 MWac.
- 3.4. Location: Projects must interconnect to PJM to participate in this RFP.
- 3.5. Project Development:
 - 3.5.1. Bidder must have established substantial site control of the proposed Project. Site control must be in the form of direct ownership, land lease, land lease option or easement for at least 35 years. A letter of intent will not be an acceptable form of demonstrated site control.
 - 3.5.2. Each Project must satisfy the applicable AEP Generation Facility Standard (Appendix F).
 - Solar panels and inverters must be manufactured by those approved vendors listed in the AEP Generation Facility Standard (Appendix F).
 - Wind Project turbines must be manufactured by GE, Vestas, or Siemens-Gamesa (Appendix F).
 - 3.5.3. Solar Projects: Bidders are required to submit all required Solar Resource Information (Appendix H).
 - 3.5.4. Wind Projects: Each Wind Project must have a robust wind resource analysis/study prepared by an independent consultant, which shows the expected energy output from the Project utilizing the turbines that will be used for the Project. Such analysis should include P50, P75, P90, P95 and P99 output with 1-year, 5-year, 10-year, 20-year and 30-year estimates. Bidders will be required to provide site information, including raw meteorological data to the Company for use by the Company's independent consultant.
 - 3.5.5. Wind and Solar Projects must have a minimum design life of 30 years.
 - 3.5.6. Bidder shall use reasonable efforts to utilize and adopt a subcontracting plan to use small and diverse suppliers as subcontractors for work.

3.5.7. Bidder shall review and follow AEP's Code of Conduct. The Code of Conduct can be found at: [AEP Code of Conduct](#)

3.6. Interconnection:

3.6.1. Projects must be interconnected to PJM and have a completed PJM System Impact Study. A copy of the study must be included with the Bidder's Proposal.

3.6.2. 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.

3.6.3. 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. Proposal pricing must be for the Company's acquisition of a turnkey Project that is complete, commercially operable, integrated wind or solar powered electric generating plant designed for a minimum 30-year life:

4.1.1. Solar Projects: including, but not limited to solar modules, inverters, tracking system, balance of plant equipment, operations and maintenance building, SCADA and all facilities required to deliver energy into PJM. In addition, pricing must include costs associated with ALTA/title insurance and construction financing.

4.1.2. Wind Projects: including, but not limited to, approved wind turbine generators with 30-year life certification (as sited) from manufacturer, balance of plant equipment, O&M facilities, SCADA, IT, and all facilities required to deliver energy into PJM. In addition, pricing must include costs associated with ALTA/title insurance and construction financing.

4.2. In addition to Sections 4.1, Proposal pricing must include the costs associated with the following:

4.2.1. A minimum of two-year comprehensive warranty from a creditworthy entity for all work and equipment including design, labor and materials, and fitness for purpose;

4.2.2. Post-commercial operation testing activities and associated costs, including the installation and removal of any temporary test meteorological stations (wind only);

- 4.2.3. Transmission and interconnection facilities required for the Project, including system or network upgrades, as required by the interconnecting utility and PJM;
- 4.2.4. Pricing shall include ALL costs associated with the development, engineering, procurement, construction, commissioning and applicable testing of the facility. The proposal shall not be contingent upon awarding an operations and maintenance agreement for the Project and;
- 4.2.5. Pricing shall include transfer of all property rights and/or any land lease(s) / easements. The Bidder must own the land hosting the O&M facility and a project substation in fee simple; and not leased.
- 4.3. Solar Projects: The PSA will be for the purchase of 100% of the equity interest of the Project LLC. Three payments under the PSA will be made at Mechanical Completion, Substantial Completion, and Final Completion (See Appendix E – Form Purchase and Sale Agreement for definitions and additional details). The Company will not make any progress payments prior to Mechanical Completion.
- 4.4. Wind Projects: The PSA will be for the purchase of 100% of the equity interest of the Project LLC at the completion and commissioning of the Project. Payment by KgPCo to the Bidder will be at or near the Commercial Operation Date (COD). The Company will not make any progress payments.
- 4.5. Prices must be firm, representing best and final bid. Proposals and bid pricing must be valid for at least 150 days after the Proposal Due Date.

5. RFP Schedule and Proposal Submission

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

RFP Issued	05/25/22
Proposal Due Date	07/11/22
Final Project Selection	10/14/22
Contract Execution Deadline	02/17/23
Submit Petition to State Regulatory Commission for Approval	03/15/23
Estimated Receipt of Regulatory Approval Order(s)	09/15/23 or 6 months after petition is filed
Estimated Seller Conditions to NTP Achieved	11/15/23
Estimated Notice to Proceed (NTP)	12/15/23
Commercial Operation by	12/15/25

- 5.2. Proposals must be complete in all material respects and received no later than 3 p.m. EST on the Proposal Due Date at AEPSC’s Columbus, OH location as defined in

Section 6 of this RFP. Proposals should be as 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.

- 5.3. Bidders will be required to sign a Confidentiality Agreement (CA) prior to receiving the following documents:
- Form PSA (Appendix E)
 - AEP Generation Facility Standard (Appendix F)
 - SolarDataReviewForm_2022.xls and SolarEnergyInputSheet_2022.xls (Appendix H)
 - WindEnergyInputSheet_2022.xls (Appendix I)
 - Project Land Lease Cost, Decommissioning Cost and Auxiliary Load spreadsheet (Appendix J)
 - Project Technical Due Diligence Material (Appendix K)
- 5.4. Bidder should request KgPCo's Form CA by emailing (KgPCoRFP2022@aep.com) and including the following documentation:
- Supporting documentation of Bidder's experience in developing, engineering, procuring equipment, constructing and commissioning wind or solar powered electric generation facilities (> Project bid size) in the United States or Canada and/or otherwise have demonstrated appropriate experience.
 - Verification of Site Control as required by Section 3.5.1.
 - Completed PJM System Impact Study as required by Section 3.6.1.
- 5.5. The Company 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 Proposal evaluation process.
- 5.6. Proposals and bid pricing must be valid for at least 150 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 selection.
- 5.7. A Proposal should be as 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.

6. Proposal Submittal

- 6.1. One hard copy of Bidder's Executive Summary and Appendix A/B and two electronic flash drive copies of the Bidder's complete Proposal shall be submitted by the Proposal Due Date to:

American Electric Power Service Corporation
Attn: 2022 KgPCo RFP Manager (PSA)
1 Riverside Plaza – 25th Floor
Columbus, OH 43215

7. Proposal Content

Bidders must submit the following information for Proposals for new Projects or expansion of existing projects. All electronic versions of the Appendices shall be individual files.

- 7.1. A completed Appendix L (Proposal Content Check Sheet).
- 7.2. An executive summary of the Project's characteristics and timeline, including any unique aspects and benefits.
- 7.3. Summary documentation demonstrating how the Project will qualify for the PTC for Wind Projects or the ITC for Solar Projects. Bidder shall provide a detailed plan regarding the steps taken to date and future actions required to satisfy IRS Safe Harbor requirements.
- 7.4. Completed Appendix A (Solar Project Summary) for Solar Projects; including the required attachments (Site Layout, Leases, Permit Matrix and Environmental Report Summary).
- 7.5. Completed Appendix B (Wind Project Summary) for Wind Projects; including the required attachments (Site Layout, Leases, Permit Matrix and Environmental Report Summary).
- 7.6. Detailed information regarding the equipment (e.g. wind turbine, solar module, and inverter) manufacturer's warranty offering including parts and labor coverage and other key terms.
- 7.7. The identity of all persons and entities that have a direct or indirect ownership interest in the Project.
- 7.8. A completed Appendix C (Bidder's Credit-Related Information).
- 7.9. A completed Appendix D (Bidder Profile). Bidders must provide a list of its Affiliate companies. In addition, Bidders should provide at least three third-party references for such projects.
- 7.10. Acknowledgement that the Form PSA is acceptable to Bidder or a comprehensive list of exceptions to the terms and conditions contained in the applicable Form Purchase Sale Agreement (Appendix E).
- 7.11. A list of any proposed comments or exceptions it takes to the applicable (solar or wind) AEP Generation Facility Standard (Appendix F).
- 7.12. Any proposed exceptions to AEP Requirements for Connection of Facilities (Appendix G).

7.13. All required Solar Resource Information (Appendix H).

7.14. All required Wind Resource Analysis / Study information (Appendix I).

7.15. Bidder's Proposal shall include a completed Appendix J, which requires the following information:

- Expected Land Lease Costs (annual) for at least a 35-year operating period. The Land Lease costs will be used in the Company's Economic Analysis (§8.2.1);
- Estimated decommissioning costs (including salvage value). In addition, Bidder shall provide any completed decommissioning studies;
- Expected Auxiliary Load (Station Power) the Project expects to consume for a typical year on a monthly basis.

7.16. Bidder and/or its EPC-BOP contractor shall provide its plan to use reasonable efforts to utilize and adopt a subcontracting plan to use small and diverse suppliers as subcontractors for work (Section 3.5.6).

7.17. Bidder shall provide basic project technical due diligence material (Appendix K).

8. RFP Proposal Evaluation

Proposals must include ALL applicable content requirements as described in Section 7 – Proposal Content. KgPCo 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 phases, is central to the success of KgPCo'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: A preliminary screening of each Proposal will be undertaken by the Company to determine if the Proposal is eligible to proceed to the Detailed Analysis phase. Bidders and their associated Proposals must satisfy the following Eligibility and Threshold Requirements:

8.1.1. Base Proposal must be for a Purchase and Sale Agreement for a solar or wind energy resource (§2.3).

8.1.2. Projects must have an Expected COD by 12/15/25 (§3.2).

8.1.3. Project must have a minimum nameplate rating of 50 MWac (§3.3).

8.1.4. Project must interconnect to PJM (§3.4).

- 8.1.5. Bidder must have established substantial Site Control (§3.5.1).
 - 8.1.6. Solar Projects: Solar panels and inverters must be manufactured by approved vendors listed in the AEP Generation Facility Standard for Solar Facilities (§3.5.2).
 - 8.1.7. Wind Projects: Turbines must be manufactured by GE, Vestas, or Siemens-Gamesa (§3.5.2).
 - 8.1.8. Solar Projects: Bidder must submit all required Solar Resource Information (§3.5.3).
 - 8.1.9. Wind Projects: Bidder must include an independent wind report (§3.5.4).
 - 8.1.10. Project life must be designed for a minimum of 30 years (§3.5.5).
 - 8.1.11. Bidder must have a completed PJM System Impact Study (§3.6.1) which remains active in the PJM queue.
 - 8.1.12. Bidder or its affiliates shall have completed the development, engineering, equipment procurement and construction of a wind or solar project within the United States or Canada of size equal to or greater than the Bidder's proposed Project and/or have demonstrated appropriate experience (§5.4).
 - 8.1.13. Proposal Bid Price shall not be contingent upon an operations and maintenance agreement for the Project (§4.2.4).
 - 8.1.14. Bidder's comments or exceptions to the Form PSA, considered individually or in the aggregate, are minimally acceptable to the Company as a basis for further discussions (§7.10).
 - 8.1.15. Proposal must include comments or proposed exceptions, if any, to the applicable AEP Generation Facility Standard in Appendix F. (§7.11).
 - 8.1.16. The Company reserves the right to reject any Proposal which proceeded to the Detailed Analysis phase but which is subsequently determined by the Company not to satisfy the Eligibility and Threshold Requirements.
- 8.2 Detailed Analysis: Proposals meeting the Eligibility and Threshold Requirements in §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.
- 8.2.1 Economic Analysis: The Economic Analysis will result in a Levelized Adjusted Net Cost of Energy ("LANCOE"). The LANCOE will be calculated as follows:

8.2.1.1 The Company will first determine a Levelized Adjusted Cost of Energy (“LACOE”) by adding together (a) the Levelized Cost of Energy (“LCOE”) associated with each Proposal as calculated by the Company and (b) the cost of Transmission Congestion as determined by the Company’s Transmission Screening Analysis. The Transmission Screening Analysis will evaluate (i) transmission facilities cost contingency and network upgrade cost allocation contingency for projects without a Facilities Study and (ii) cost of transmission congestion and losses.

The LCOE calculation is based on the Proposal’s Bid Price (\$/M), Expected Annual Energy, Operations and Maintenance Costs (including Land Lease costs), and applicable Federal Tax Credits. Additionally, other costs may be included based on the Company’s discretion to appropriately evaluate each Proposal.

8.2.1.2 The Company will then calculate the LANCOE by taking the difference between the (a) levelized expected PJM revenues for the Proposal’s energy, capacity, and renewable energy certificates in the PJM market, and (b) LACOE for each Proposal.

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

8.2.2.1 Project’s (including associated transmission and interconnection facilities) impact on wildlife, the environment and other natural and cultural resources;

8.2.2.2 Bidder’s exceptions to the Form PSA;

8.2.2.3 Bidder’s exceptions to the applicable AEP Generation Facility Standard;

8.2.2.4 Development status of the Project including, but not limited to, permitting, transmission and interconnection facilities and constructability;

8.2.2.5 Bidder’s financial wherewithal;

8.2.2.6 Community relations and economic development considerations, including Bidder’s plan to use small and diverse suppliers as subcontractors;

8.3 Final Project Selection: KgPCo 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 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 successful Bidder have executed definitive agreements for the Company's acquisition of the Project. The Company has no obligation to accept any Proposal, whether or not the stated price in such Proposal is the lowest price offered, and 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

KgPCo 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. KgPCo reserves the right to

release any proposals to agents or consultants for purposes of proposal evaluation. KgPCo'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, KgPCo 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. The Bidder should make its proposal as comprehensive as possible so that KgPCo 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. KgPCo 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 KgPCo at its sole discretion.

12. Contacts

- 12.1. General RFP Questions: With the exception of interconnection-related questions, all correspondence and questions regarding this RFP should be directed to:
KgPCoRFP2022@aep.com
- 12.2. PJM Interconnection: All correspondence and questions regarding the PJM Interconnection process can be found at:
[PJM Interconnection](#)

Appendix A

Solar 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):	
Percentage of Federal Investment Tax Credit that the Project will qualify for:	
Expected Commercial Operation Date:	
Module Manufacturer / Model:	Annual Degradation (%):
Configuration (Fixed Tilt / Single Axis):	Design Life (years):
Inverter Manufacturer / Model:	
Solar Project Nameplate (MWac):	Expected Annual Availability (%):
Solar Project Nameplate (MWdc):	
<i>If Bidder has not finalized Module Manufacturer, they must identify the module options and provide the applicable production data (Expected Annual Energy, Capacity Factor) for each module mfg. Bidder shall attach module warranty information with its proposal.</i>	

Proposal Bid Pricing

Expected COD by	Module Mfg.	Expected Annual Energy	Capacity Factor	Bid Price (\$)
12/15/25				\$
Does Bid Price include an O&M Bldg?				(Y/N)
Does Bid Price take into consideration the AEP Requirements for Connection of Facilities (Appendix G)?				(Y/N)

Interconnection (PJM)

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:
Point of Interconnection with :	
PJM Interconnection Status (describe):	
<i>Please attach a copy of all interconnection studies and/or the expected completion date(s).</i>	

Site Information

Site Legal Description:		
Address:		
City:	State:	Zip Code:
County	Latitude:	Longitude:
Site Control (lease, own, site purchase pending, etc.):		
Site Acres:	Acres Under Site Control (%):	
Is there potential for expansion (Y / N):	If Yes; acres available:	

Permits

Have required permitting agencies been contacted regarding this project and have all necessary permits been identified?
 Local (City/County): (Y / N)
 State: (Y / N)
 Federal: (Y / N)
 Wildlife Resources (Federal, State, Etc): (Y / N)
 Other: (Y / N)
 On an additional sheet provide a Permit Matrix that lists and describes all city, county, state and federal permits required for this project. Include: status, duration, planned steps, critical milestones and timelines.

Preliminary Site Questions¹ (Y/N)

Has the site been assessed for any environmental contamination? Describe any known environmental issues on a separate attachment.	
Are there any Tribal Lands or Tribal mineral ownership rights within Project boundary or vicinity?	
Are there any government (Federal, State, etc.) owned or controlled lands within Project boundary or vicinity?	
Is the Project located on currently or formally mined lands?	
Is the site adjacent or near an Environmental Justice or Fenceline community?	
Has any Federal or State wildlife resource agencies been consulted regarding the Project?	
Has any non-governmental environmental organizations been engaged?	
Are there CRP, WRP or other conservation easements within the Project boundary or vicinity?	
Is there any Federal nexus to the Project, including Federal loans?	

Attachments Required

- Site Layout: Attach a diagram identifying anticipated placement of major equipment and other project facilities, including transmission layouts and Point of Delivery.
- Leases: Attach (electronic version only) a copy of all leases, easements or other ownership documentation.
- Permit Matrix: Attach a comprehensive Permit Matrix as described under Permits section of this Appendix.
- Environmental Report Summary: The initial Proposals shall include a summary of all environmental studies and other reports and agency meetings associated with the Project. (See Note 1 for potential reports to summarize, include data summaries, results and findings).

Note 1: As applicable, including, but not limited to, the following reports which will be requested at a later time: Critical Issues Analysis, Site Characterization Assessment, Environmental Work / Survey Plan, Federal / State Rare, Threatened or Endangered Species Assessments and Surveys, Wetland and Waters Delineation / Assessment Report, Phase I Environmental Site Assessment Report, Historical and Cultural Resource Survey / Assessment Report, All Environmental Resource Surveys, Assessments and Study Reports, Record and Notes of all Federal and/or State Resource Agency Correspondence and Meetings, Environmental Justice Analyses, Project Layout, Associated Project Infrastructure and Environmental Resource Shapefiles (.kmz format).

Appendix B

Wind Project Summary

Company Information

Bidder (Company):		
Contact Name (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 Location (County, State):	
Wind Project Size (MW):	
Percentage of Federal Production Tax Credit that the Project will qualify for:	%
Turbine Specific Site Suitability Report completed & included in proposal?	(Y/N):
Bidder confirms that it has substantial Project site control	(Y/N):
Independent wind report / analysis completed and included in proposal?	(Y/N):
Design Life (years):	Source of wind energy forecast:
PJM Queue #:	PJM Study Status:

Proposal Bid Pricing

Expected COD by	Turbine Mfg.	Expected Annual Energy	Capacity Factor	Bid Price (\$)
12/15/25				\$
Does Bid Price take into consideration the AEP Requirements for Connection of Facilities (Appendix G)?				(Y/N)
Bidder acknowledges review of and agrees to follow the AEP Code of Conduct AEP Code of Conduct				(Y/N)

Additional Project Information

Turbine Manufacturer (GE/SiemensGamesa/Vestas):	
Nameplate (MW):	
# of Turbines:	
Model #:	
Expected Capacity Factor (%):	
Expected Annual Energy (MWh):	
Year 1 Capacity Factor (%) ¹ :	
Year 1 Expected Annual Energy ¹ :	

*Bidder is required to identify the Turbine Manufacturer and all requested data associated with their bid.
Note 1: Year 1 production data is required to account for potential lower Year 1 production due to routine maintenance associated with the break-in period.*

Interconnection (PJM)

PJM Queue #:	Substation Name / Voltage:
System Impact Study Complete (Y/N):	System Impact Study Report Date:
Feasibility Study Complete (Y/N):	Feasibility Study Report Date:
Point of Interconnection with :	
PJM Interconnection Status (describe):	
Attach electronic copies of all interconnection studies and/or the expected completion date(s).	

Site Information

Site Legal Description:		
Address:		
City:	State:	Zip Code:
County	Latitude:	Longitude:
Site Control (lease, own, site purchase pending, etc.):		
Site Acres:	Acres Under Site Control (%):	
Is there potential for expansion (Y / N):	If Yes; acres available:	

Permits

<p>Have required permitting agencies been contacted regarding this project and have all necessary permits been identified? Local (City, County, etc.): (Y / N)</p>
--

State: (Y / N)
 Federal: (Y / N)
 Wildlife Resources and / Habitats: (Y / N)
 Other: (Y / N)

On an additional sheet provide a Permit Matrix that lists and describes all city, county, state and federal permits required for this project. Include: status, duration, planned steps, critical milestones and timeline.

Preliminary Site Questions¹ (Y/N)

Has the site been assessed for any environmental contamination? Describe any known environmental issues on a separate attachment.	
Are there any Tribal Lands or Tribal mineral ownership rights within Project boundary or vicinity?	
Are there any government (Federal, State, etc.) owned or controlled lands within Project boundary or vicinity?	
Is the site adjacent or near an Environmental Justice or Fenceline community?	
Has any Federal or State wildlife resource agencies been consulted regarding the Project?	
Has or any non-governmental environmental organizations been engaged?	
Are there CRP, WRP or other conservation easements within the Project boundary or vicinity?	
Is there any Federal nexus to the Project, including Federal loans?	

Attachments Required

- **Site Layout:** Attach a diagram identifying anticipated placement of major equipment and other project facilities, including transmission layouts and Point of Delivery.
- **Leases:** Attach (electronic version only) a copy of all leases, easements or other ownership documentation.
- **Permit Matrix:** Attach a comprehensive Permit Matrix as described under Permits section of this Appendix.
- **Environmental Report Summary:** The initial Proposals shall include a summary of all environmental studies, reports and agency meetings associated with the Project. (See Note 1 for potential reports to summarize, including data summaries, results and findings).

Note 1: As applicable, including but not limited to, the following reports which will be requested at a later time: Critical Issues Analysis, Tier I / II Site Characterization Report, Environmental Work / Survey Plan, Federal / State Rare, Threatened or Endangered Species Assessments and Surveys, Bat Acoustic Survey Report, Avian Use Survey Report, Raptor Nest Survey Report, Prey-base Survey Report, Wetland and Waters Delineation / Assessment Report, Phase I Environmental Site Assessment Report, Historical and Cultural Resource Survey / Assessment Report, All Other Environmental Resource Surveys, Assessments and Study Reports, Record and Notes of all Federal and/or State Resource Agency Correspondence and Meetings, Environmental Justice Analyses, Aviation / FAA Study, Radar Study, Noise and Shadow Flicker Study, Turbine Layout, Associated Project Infrastructure and Environmental Resource Shapefiles (.kmz format), and Bird and Bat Conservation Strategy and Eagle Conservation Plan (if available).

Appendix C

Bidder's Credit-Related Information

Full Legal Name of the Bidder:
Type of Organization (Corporation, Partnership, etc.):
Bidder's % Ownership in Proposed Project:
Full Legal Name(s) of Parent Corporation: 1. 2. 3.
Entity Providing Credit Support on Behalf of Bidder (Required): Name: Address: City: Zip Code:
Type of Relationship:
Current Senior Unsecured Debt Rating (if unavailable, Issuer 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:

Appendix D

Bidder 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

Form Purchase and Sale Agreement

See Section 5.3 for instructions to obtain the applicable Form Purchase and Sale Agreement.

Appendix F

AEP Generation Facility Standard

See Section 5.3 for instructions to obtain the applicable (solar or wind) AEP Generation Facility Standard.

Appendix G

AEP Requirements for Connection of Facilities

Please follow the link below to access the AEP Requirements for Connection of Facilities (“Requirements for Connection of New Facilities or Changes to Existing Facilities Connected to the AEP Transmission System”).

https://www.aep.com/assets/docs/requiredpostings/TransmissionStudies/Requirements/AEP_Interconnection_Requirements_Rev3_CONSOLIDATION.pdf

Appendix H

Solar Resource Information

See Section 5.3 for instructions to obtain any of the documents identified below:

1. Proposal must provide the source and basis of the solar irradiance data used in the development of energy projections for the Project. Explain all assumptions used in forecasted generation calculations.
2. Bidder must populate the data required in the Company's "SolarDataReviewForm_2022" spreadsheet.
3. Bidder must attach an 8760 calendar year hourly energy forecast, net of all losses using the Company's form spreadsheet (SolarEnergyInputSheet_2022.xls).
4. Bidder must supply the Project Layout along with the contour and elevation data in CAD format.

Appendix I

Wind Resource Analysis / Study

Required Information

- Attach the independent wind energy report
 - Wind report shall also include P50, P75, P90, P95 and P99 production estimates with 1, 5, 10, 20 and 30 year timeframes
 - Independent consultant information (resume, contact information) if not included in the wind energy report.
- Describe on-site meteorological campaign including:
 - Number of met towers
 - Height of met towers
 - Remote sensing (lidar and/or sodar)
 - Number of years of data for each tower / remote sensing device.
- Identify any wind direction sector management or other operation restrictions.
- Experience of developer in PJM. Identify the number of projects, years each project has been operating, turbine models and capacity rating.
- Source and basis of the wind speed data used in the development of energy projections for the project. Explain all assumptions for wake losses, line losses, etc. and the location where the data was measured.
- Wind turbine power curve adjusted for the site's specific air density.
- Provide a description of the system intended to provide real-time telemetry data.
- Attach an 8760 calendar year hourly energy forecast, net of all losses (See Section 5.3 for instructions to obtain the WindEnergyInputSheet_2022.xls.)
- Bidders shall provide a summary of representative wind data with measurement height referenced and any extrapolations used to estimate the wind speeds at the proposed hub height. (This item shall be provided in the electronic (flash drive) version of the Proposal only.)

The following information should be available upon request; however, is not required with the submission of the Proposal.

- Project boundary (shape files, kmz files, or pdf on USGS topographic map)
- Land control, broken down by leased land, likely to be leased land, likely NOT to be leased land, and indeterminate status (shape files, kmz are best)
- Setbacks/exclusions (shape files preferred),
- Met tower installation commissioning sheets and all subsequent maintenance documents
- Raw data files for all on-site met towers
- If applicable, sodar or lidar documentation and raw data files
- Proposed turbine locations (shape file, kmz file, Excel file with coordinates, including map datum (e.g., WGS84, NAD83))
- All documents related to turbine availability, electrical system design with losses
- Any other materials the developer has in terms of turbine siting

Appendix J

Wind or Solar Projected Land Lease / Decommissioning Costs / Auxiliary Load

See Section 5.3 for instructions to obtain the spreadsheet for Projected Land Lease Costs, Decommissioning Costs, and Auxiliary Load.

Information to be provided in the Appendix J spreadsheet shall include:

- Expected Land Lease Costs by year for at least a 35-year operating period. The Land Lease costs will be used in the Economic Analysis (§8.2.1);
- Estimated decommissioning costs (including salvage value). In addition, Bidder shall provide any associated decommissioning studies;
- Expected Auxiliary Load (Station Power) the Project expects to consume for a typical year on a monthly basis.

Appendix K

Project Technical Due Diligence Material

See Section 5.3 for instructions to obtain the Project Technical Due Diligence Material list.

This list will include basic technical due diligence material that the Company will require to perform an initial technical due diligence of the Project.

Appendix L

Proposal Content Check Sheet

Section	Item	Completed
7.2	Executive Summary	
7.3	Summary PTC/ITC and Safe Harbor Documentation	
7.4	Appendix A (Solar Project Summary)	
	- Company & Generation Project Information	
	- Bid Pricing	
	o Module warranty information	
	- Interconnection and Point of Delivery	
	o Attach copies of all interconnection studies / completion dates	
	- Site Information	
	o Site map	
	o Attach copies of site leases	
	o Permit Matrix	
	o Summaries of environmental studies, surveys and agency meetings	
	o Decommissioning Studies	
	- Solar Resource Data (source, basis, assumptions, etc.)	
	- Solar Resource Data (SolarDataReviewForm_2022.xls)	
	- Energy Input Sheet (electronic only)	
	- Solar Projects Completed	
7.5	Appendix B (Wind Project Summary)	
	- Company & Generation Project Information	
	- Bid Pricing	
	o Wind Turbine and Facility Information	
	- Interconnection and Point of Delivery	
	o Attach copies of all interconnection studies / completion dates	
	- Site Information	
	o Site map	
	o Attach copies of site leases	
	o Permit Matrix	
o Summaries of environmental studies, surveys and agency		

	meetings	
	o Decommissioning Studies	
	- Wind Resource Data (source, basis, assumptions, etc.)	
	- Wind Projects Completed	
7.6	Wind Turbine, Module and Inverter warranty information	
7.7	Identity of Persons / Ownership	
7.8	Appendix C (Bidder's Credit Related Information)	
7.9	Appendix D (Bidder Profile)	
7.10	Appendix E (Affirmative statement that Bidder takes no exception to the Form PSA or exceptions provided are reflective of its bid and an execution ready PSA)	
7.11	Appendix F (Exceptions to AEP Wind or Solar Generation Standard)	
7.12	Appendix G (Exceptions to AEP Requirements for Connection of Facilities)	
7.13	Appendix H (Solar Resource Information), if applicable	
7.14	Appendix I (Wind Resource Analysis / Study), if applicable	
7.15	Appendix J (Projected Land Lease / Decommissioning Costs / Auxiliary Load) (Wind or Solar)	
7.16	Bidder's plan to use small and diverse suppliers as subcontractors	
7.17	Appendix K (Project Technical Due Diligence Material)	