

**American Electric Power Service Corporation
as agent for
Southwestern Electric Power Company**

**Request for Proposals
Purchase and Sale Agreements (PSAs)**

from Qualified Bidders
for

New and Operational Resources

Southwestern Electric Power Company is seeking resources (e.g., wind, solar, natural gas, storage) via three RFPs totaling:
2,100 MW of Accredited Capacity.

This RFP is associated with PSAs only.

Other RFPs may be found at the Web Address noted below.

The Resources requested in 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).

RFP Issued: January 31, 2024
Proposals Due: April 3, 2024

Web Address: www.swepco.com/rfp

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Background

Southwestern Electric Power Company (“SWEPCO” or “Company”) is pursuing additional generation and capacity resources via three requests for proposals (“RFPs”).

The Company has identified the need for additional resources to serve the future energy and capacity needs of its customers and to maintain compliance with the Southwest Power Pool (SPP) Planning Reserve Margin (PRM) requirement. This resource need is reflected in the Company’s Integrated Resource Plan (“IRP”) proceeding which is currently pending in Louisiana Public Service Commission (“LPSC” or the “Commission”) Docket No. I-36242 and outlined at the second IRP stakeholder conference conducted on August 29, 2023. The resources ultimately selected from this RFP are critical to meet SWEPCO customers’ future load needs given (a) recent and future SWEPCO unit retirements, (b) SPP’s recently approved and current evaluation for a potential increase in their PRM requirement, and (c) SPP’s September 8, 2023 filing with the Federal Energy Regulatory Commission (“FERC” Docket No. ER23-2781-000) to add a new winter season Resource Adequacy Requirement (“RAR”).

The Company is seeking approximately 2,100 MW of accredited capacity from 1) Wind, Solar, Battery Energy Storage Systems (BESS), and Natural Gas resources via three RFPs and 2) Company Self-Build Proposals, as described in Table 1 below.

TABLE 1

RFP	Details
PSA	<p>Wind, Solar, BESS and Natural Gas RFP via one or more PSAs for SPP resources.</p> <p>In addition, the Company is soliciting Proposals for completion of an energy storage project at SWEPCO’s Harry D. Mattison power plant site.</p>
PPA	Wind, Solar, BESS, and Natural Gas RFP seeking energy, SPP capacity, environmental attributes (including RECs), and ancillary services via one or more Power Purchase Agreements (PPAs).
CPA	Capacity RFP seeking short-term SPP accredited deliverable capacity via one or more Capacity Purchase Agreements (CPAs).
<p>Self-Build Proposals: The Company plans to evaluate one or more Self-Build Proposals in addition to the Proposals received in the PSA RFP. The Self-Build Proposals will be developed by the AEP Projects Group who are independent from the RFP Team. Self-Build Proposals shall 1) be submitted to the RFP Team one day prior to the PSA, PPA, and CPA Proposal Due Date, and 2) use as a basis for the Proposal, the information required in the PSA Proposal Content Section (RFP Section 6) and all applicable appendices.</p>	

Merrimack Energy Group, Inc. (“Merrimack”) will serve as the Independent Monitor (“IM”) to review and track SWEPCO’s conduct during this RFP. The Company has also established a Code of Conduct, which has been implemented for the evaluation of any Self-Build Proposals.

SWEPCO will evaluate each conforming bid within the three RFPs and any Self-Build Proposal, individually and collectively, to determine the portfolio of projects that best fits the Company’s needs described above while also taking into consideration previous state commission orders in each of SWEPCO’s jurisdictions.

This RFP document is associated with the PSA RFP only.
The PPA and CPA RFPs may be found at www.swepco.com/rfp

1. Introduction

SWEPCO and American Electric Power Service Corporation (“AEPSC”) are subsidiaries of American Electric Power Company, Inc. (“AEP”).

AEP is one of the largest electric utilities in the United States, delivering electricity and custom energy solutions to 5.6 million regulated retail 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 approximately 4,100 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 SWEPCO (in Arkansas, Louisiana, and Texas). AEP's headquarters are located in Columbus, Ohio. More information about AEP can be accessed by visiting www.aep.com.

SWEPCO serves approximately 552,000 customers in northwestern and central Louisiana, western Arkansas, East Texas and the panhandle of North Texas. SWEPCO’s headquarters are located in Shreveport, Louisiana.

SWEPCO owns 4,916 MW of diverse generating capacity, including SWEPCO’s 809 MW share of the North Central Energy Facilities.¹ The Company has recently received approval in Arkansas and Louisiana to purchase an additional 999 MW of solar and wind resources upon project completion in 2024 and 2025. SWEPCO also has short and long-term PPAs and CPAs totaling over 1,016 MW. In addition, SWEPCO has over 4,000 miles of

¹ <https://www.swepco.com/clean-energy/renewable/plan>

transmission and 26,000 miles of distribution lines. Additional information regarding SWEPCO can be accessed by visiting www.SWEPCO.com.

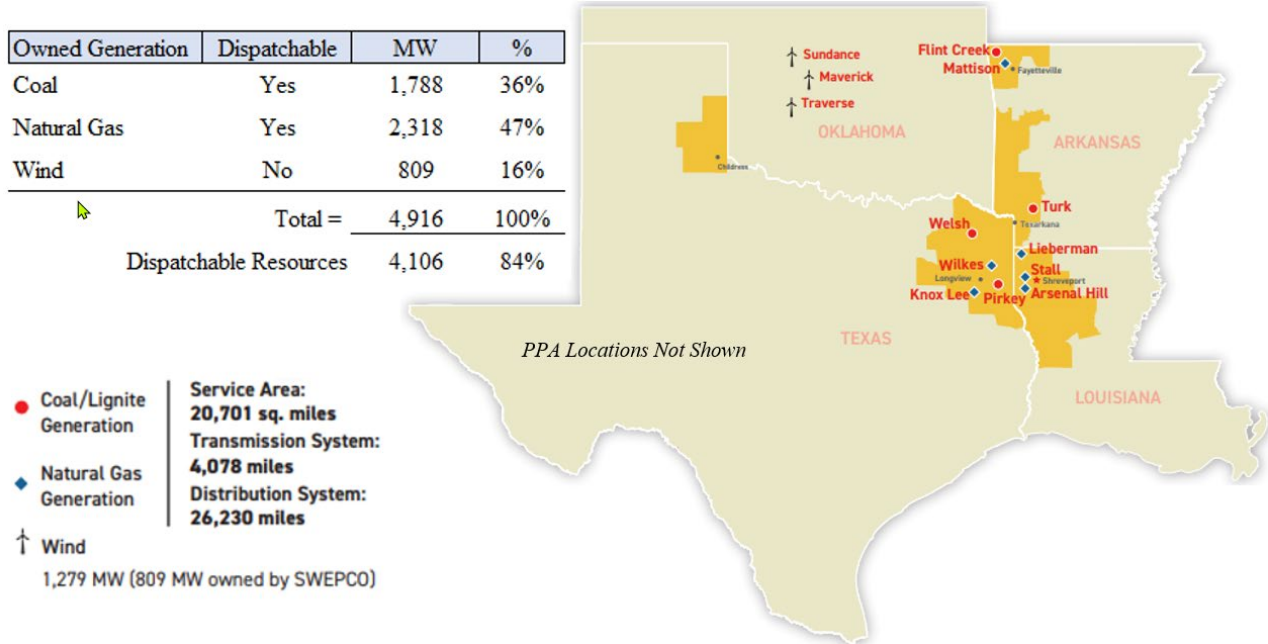


Figure 1. SWEPCO Generating Assets

2. RFP Overview

- 2.1 SWEPCO is pursuing approximately 2,100 MW of accredited capacity from 1) Wind², Solar², BESS (including Proposals at the Company’s Mattison site), and Natural Gas Resources via the three RFPs, and 2) Company Self-Build Proposals as shown in Table 1.
- 2.2 The Resources requested via this RFP will be acquired via PSAs for purchase of 100% of the equity interest of the Project’s limited liability company (Project’s LLC). New Resources will be acquired on or about final completion for gas, wind, and solar projects and at Mechanical Completion³ for BESS projects. Operational Resources would be eligible for purchase after regulatory approvals as described in Section 2.5.
- 2.3 For Wind, Solar, and BESS PSA Proposals, SWEPCO is seeking Projects that will qualify for either (a) the full (100%) Federal Production Tax Credit (“PTC”) under either Section 45 or Section 45Y of the Internal Revenue Code or (b) the full (30%) Federal

² Wind and Solar projects may submit Proposals with optional storage.

³ Mechanical Completion means the Project has been mechanically completed, assembled, erected and installed in accordance with the terms and conditions of the PSA.

Investment Tax Credit (“ITC”) under Section 48 or Section 48E of the Internal Revenue Code (collectively, “Federal Tax Credits”). While qualifying for Federal Tax Credits is not an Eligibility and Threshold Requirement (Section 7.1) 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 (Section 7.2.1) and ranking of each of the respective Proposals. Any projects that may not qualify for such credits for any reason must be disclosed by the Bidder in the bid submission.

- 2.4 SWEPCO may execute one or more Wind, Solar, BESS, or Natural Gas PSA(s) as a result of this RFP.
- 2.5 The Company’s decisions regarding the results of this RFP will be subject to its receipt of regulatory approvals from the Arkansas Public Service Commission, the Louisiana Public Service Commission, the Public Utility Commission of Texas, and the Federal Energy Regulatory Commission or a subset of the Commissions as determined by the Company. Definitive agreements between the Company and Bidders for selected Projects will be conditioned upon the Company receiving the regulatory approvals described in the preceding sentence that are in form and substance satisfactory to the Company in its sole discretion.
- 2.6 SWEPCO has engaged Merrimack Energy Group, Inc. (“Merrimack”) to serve as an Independent Monitor (“IM”) for the RFP. The IM will review and track SWEPCO’s conduct of the RFP to ascertain that no undue preference is given to Self-Build Proposals.
- 2.7 This RFP is not a commitment by the Company to acquire any Project, and it does not bind or obligate the Company or its Affiliates in any way. The Company, in its sole discretion, will determine which Bidders, if any, it wishes to engage in negotiations with that may lead to definitive PSAs with one or more selected Projects.
- 2.8 The anticipated time period between the receipt of Proposals and the time required for the Company’s evaluation, due diligence, selection, negotiation and the execution of definitive agreements is outlined in Section 5.1. The Company anticipates filing for regulatory approval in each of its retail operating jurisdictions (Arkansas, Louisiana, and Texas) in Q1-2025 and receiving regulatory decisions by the end of Q1-2026.
- 2.9 Upon obtaining regulatory approvals and the parties satisfying other required conditions for the PSA Projects selected by the Company as described in Section 2.5, the Company will issue a Notice to Proceed (“NTP”) for the selected Bidders to proceed with the construction of selected Projects. The Form PSA (Appendix D) contains additional information regarding the conditions and timing for NTP issuance. The Company may issue NTPs for selected Projects that it prefers over other selected Projects if some, but not all, approvals are received.

- 2.10 The RFP seeks Proposals for both New and Operational Resources. Any Proposals submitted for Operational Resources must demonstrate that the underlying asset has a minimum of 15 years of operational life remaining based on initial design standards to participate in the RFP. Additionally, Bidders for Operational Resources must have 100% ownership of the asset or have documented authority to offer the asset into the RFP.
- 2.11 All questions regarding this RFP should be emailed to: SWEPCO2024RFP@aep.com. SWEPCO will post a list of the non-confidential “Questions and Answers” to the RFP website on a weekly basis from issuance of the RFP until 10 business days prior to the Proposal Due Date.

3. Product Description and Requirements

- 3.1 Delivery: Each Project is required to be capable of generating and delivering energy into the SPP by the Expected Commercial Operation Date.
- 3.2 Expected Commercial Operation Date (COD): The Company is pursuing Projects that can achieve COD by 12/15/2027 or alternatively 12/15/2028 to meet SWEPCO’s capacity obligation for SPP’s capacity planning years 2028 and/or 2029 and beyond.

Operational Resources would be eligible for purchase after regulatory approvals as described in Section 2.5.

- 3.3 Target Size: A total of approximately 2,100 MW of SPP accredited Deliverable Capacity and associated energy where applicable. The amount of any one type of resource selected will depend on SWEPCO’s bid selection process.
- 3.4 Minimum Acceptable Project Size:
- Wind: 100 MWac
 - Solar: 50 MWac
 - BESS: 20 MWac
 - Natural Gas: 50 MWac

- 3.5 Location:
- Solar, BESS, and Natural Gas Projects must be located in the SPP portion of Arkansas, Louisiana, or Texas *and* directly interconnected to SWEPCO’s transmission system.
 - Wind Projects must be located in the SPP portion of Arkansas, Louisiana, Texas, Oklahoma, Kansas, or Missouri.

- 3.6 Project Development: Each new Project must satisfy the requirements of the applicable AEP Generation Facility Standard (Appendix F), which includes at a minimum:

3.6.1 Wind.

- the use of only GE, Siemens-Gamesa, or Vestas wind turbine generators,
- a minimum facility (including turbines) design life of 30 years for New Projects; and 15 years for Operational Resources,
- inclusion of a Cold Weather Package (ability to operate to a minimum of -30 degree C and be capable of operating under an ice operation mode),
- specifications for the required O&M Building,
- Wind Projects with Storage Option:
 - Bidders may include in their Wind Proposals, as an option, a Bid Price for a Wind Resource with a co-located energy storage system. The Storage Option Proposal must be for 4-hours of storage with a nameplate capacity that is at least 25% of the nameplate capacity of the Wind facility with which it is paired. SWEPCO will also consider storage durations of 6 hours or longer. Co-located storage bids are required to state whether the storage is capable of charging both from the grid as well as by the wind resource with which it is paired.

3.6.2 Solar Projects:

- Solar modules, inverters, and racking/tracking must be manufactured by those approved vendors in the AEP Generation Facility Standard,
- a minimum facility design life of 30 years for New Projects; and 15 years for Operational Resources,
- Solar Projects with Storage Option:
 - Bidders may include in their Solar Proposals, as an option, a Bid Price for a Solar Resource with a co-located energy storage system. The Storage Option Proposal must be for 4-hours of storage with a nameplate capacity that is at least 25% of the nameplate capacity of the Solar facility with which it is paired. SWEPCO will also consider storage durations of 6 hours or longer. Co-located storage bids are required to state whether the storage is capable of charging both from the grid as well as by the wind resource with which it is paired.

3.6.3 BESS:

- BESS Projects must satisfy the AEP Battery Energy Storage System Technical Specification and Design Criteria (Appendix F).
- Minimum facility design life of 20 years for new resources; and 15 years for Operational Resources.
- New Projects must include options for both a 4-hour and 6-hour storage duration. SWEPCO recognizes that 4-hour duration is a common standard, but also has a strong interest in 6-hour storage duration

responses. SWEPCO will also consider alternate Proposals with durations of 8 hours or longer.

- Must have a minimum size of 20 MW / 80 MWh.
- New Projects should have the capability to operate at 365 cycles per year. *A cycle is defined as the total MWh discharge throughput as measured at the POI in one day. As an example, one cycle of a 100 MW / 400 MWh battery system would be when the battery has provided a total discharge throughput of 400 MWh at the POI in one day. This discharge throughput can be achieved through deep cycles (e.g., energy), shallow cycles (e.g., while providing ancillary services), or a combination of deep and shallow cycles.*
- Standard warranty should allow for up to two cycles per day with annual cycles of 365.
- Projects must be able to maintain at least a 98% availability for dispatch in each calendar year.
- The BESS must be able to rapidly oscillate between charge and discharge states to be able to provide frequency or other ancillary services.
- The Bidder should state any average annual State of Charge limitations under the warranty offered.
- New Projects must provide documentation to support the proposed technology can achieve a roundtrip efficiency of at least 80%. Operational Resources must demonstrate a minimum roundtrip efficiency of 80%.

3.6.4 Natural Gas Projects:

- Gas Generation Projects must satisfy the AEP Generic Gas Generation Technical Specifications for Combustion Turbines, Reciprocating Internal Combustion Engines (RICE), and Aeroderivatives (Appendix F).
- The Company has a preference for Projects that have space allocation for: 1) future hydrogen and/or carbon capture in their design and/or 2) conversion to combined cycle technology.
- Operational Resources: For operational gas facility Proposals, the Company will require review of previously established gas transportation and gas supply contract(s) terms, including applicable hub pricing.

3.6.5 Site Control: 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. The project company

is required to acquire fee ownership of the property used to site the operations and maintenance (“O&M”) building and substation.

3.6.6 Resource Analysis: Each project must provide a robust resource analysis as follows:

- Wind: 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 are required to provide site information, including raw meteorological data to the Company for use by the Company’s independent consultant (Appendix H).
- Solar: Each Solar Project must submit all Solar Resource Information (Appendix I).
- BESS: BESS Projects are required to submit all BESS Resource Information (Appendix J).
- Natural Gas: Natural Gas Projects are required to submit all Natural Gas Resource Information (Appendix K). For bids submitted under the PSA contract structure in this RFP, SWEPCO will be responsible for securing the gas transportation infrastructure and any associated long-term transportation agreement for new gas facilities proposed.⁴ Bidders should provide evaluation(s) of potential interconnections to mainline natural gas pipeline infrastructure.

3.6.7 Minimum Design Life:

New Wind, Solar, Natural Gas:	30 years
Operational Wind, Solar, Natural Gas:	15 years
New BESS:	20 years
Operational BESS:	15 years

3.6.8 Alternate Proposal (w/Optional Storage). In addition to a “Wind/Solar Only” Base Proposal, Bidders may include, as an option, an alternate Bid Price for a generation Project with co-located storage (“Storage Option”).

3.6.9 Prevailing Wage and Apprenticeship Requirements (“PWAR”). Proposals for non-Natural Gas bids should comply with PWAR providing full value Federal

⁴ For bids submitted under the contract structure in the PPA RFP, Bidders are responsible for securing gas supply to the proposed facilities.

Tax Credits (e.g., PTCs and ITCs) under the Inflation Reduction Act. Bidders should explain in detail any additional Federal Tax Credits available to proposed Projects associated with energy community or domestic content qualification (Bonus Tax Credits).

3.6.10 AEP Supplier Code of Conduct and use of Small and Diverse Suppliers. Bidders shall use reasonable efforts to comply with the AEP Supplier Code of Conduct ([Supplier Code of Conduct.pdf-aep.com](#)) and to utilize and adopt a subcontracting plan to use small and diverse suppliers ([AEP Supplier Diversity](#)) as subcontractors for work.

3.6.11 Social Impacts. AEP has a commitment to consider the environmental and social impacts of its recommendations and decisions as we serve our communities, especially low-income communities, communities of color and other historically marginalized communities. As part of the focus on delivering safe, clean, reliable and affordable electricity, we seek partners that are dedicated to meaningful engagement with our customers and communities to ensure fair treatment and equitable decision making. Bidders should identify any such benefits associated with their Project for planned facilities and operations for operational facilities.

3.7 Mattison Storage Project:

SWEPSCO is offering Bidders the opportunity to use SWEPSCO-owned land to submit Proposals for new BESS facilities at the Harry D. Mattison power plant site.

The Mattison Site offers the opportunity to capture up to 210 MW of incremental capacity by using SPP's surplus interconnection service process. SWEPSCO, not the Bidder, will be responsible for managing the interconnection rights and process for this opportunity.

Bidders are requested to propose a BESS facility up to 210 MW in size in accordance with the AEP battery energy storage systems specifications found in Appendix F and associated documents found in Appendix S.

Bidders are responsible for all design, engineering, procurement, construction, and permitting needs.

Bidders will have access to, and be required to use, the existing Point of Interconnection (POI) for the Mattison Site, which includes allocated space for substation buildout needs immediately adjacent to the existing Mattison Substation.

The site is located immediately adjacent to the POI on SWEPSCO-owned property within the Mattison plant property boundaries. Bidders should assume a single gen-tie line, and associated cost, for reaching the POI. A conceptual gen-tie route and collector

substation has been provided as information for bidding purposes, although Bidders can propose an alternate arrangement if more advantageous. The gen-tie line and associated assumptions for the additional BESS substation can be found in Appendices S-A and S-D.

Bidders will be responsible for the entire high-voltage scope, including gen-tie, collection substation, and main power transformer step-up to 161kV. The Bidder's scope will terminate at the Dead-End structure as shown on Appendix S-A near the existing Mattison substation.

Bidders will be responsible for providing all construction-related temporary utilities, facilities, parking, associated laydown yard, and materials/needs within agreed upon designated areas.

Bidders must provide the information required in the PSA Proposal Content Section (RFP Section 6) and all applicable appendices to include the Battery Storage Design Criteria Data Sheet found in Appendix J.

Bids will only be considered for a Purchase Sale Agreement (PSA) and will not be considered for a Purchase Power Agreement (PPA).

AEP has compiled due diligence studies and reports, and assumptions for the site, which can be found in Appendix S and includes, but is not limited to, the following key items below. Bidders should consider these materials in developing any Proposal and must adhere to any specified requirements therein:

- Site specific plant information
- Surveys and topographical information
- Underground and geotechnical surveys/reports
- Critical Issues Analysis, permit matrix, and environmental survey(s)
- Conceptual General Arrangement including allocated space for BESS, gen-tie and land allocation for substation additions
- Existing Substation One-Line Drawings and arrangements
- BESS specifications and requirements (Appendix F)
- Battery Storage Design Criteria Form (Appendix J)

3.8 Interconnection/Delivery Point:

3.8.1 Solar, BESS, and Natural Gas Projects must be located in the SPP portion of Arkansas, Louisiana, or Texas *and* directly interconnected to SWEPCO's transmission system. Wind Projects must be located in the SPP portion of Arkansas, Louisiana, Texas, Oklahoma, Kansas, or Missouri.

3.8.2 Projects must be active in SPP Queue Cluster 2021-001 or earlier. Projects in later queue clusters will not be eligible to participate in this RFP (requirement

not applicable to Operational Resources, Self-Build Proposals or Mattison Storage Project Proposals).

- 3.8.3 Bidders are required to provide the current status of the Project's interconnection queue position in submitted bid materials. SWEPCO requires further updates on the status of the Project's interconnection queue status if new information arises during the RFP process that may impact the delivery timeline or Project costs (through either direct coordination with the RTO or as a result of new regulation, guidance, or policy changes).
- 3.8.4 The Proposal must identify the Project's proposed transmission interconnection point(s) within SPP, including any studies, applications, line extensions and system upgrades identified as part of the interconnection approval process.
- 3.8.5 Bidders are responsible for following the established policies and procedures that are in effect regarding facility interconnection and operation with the interconnecting utility, SPP, and NERC as applicable.
- 3.8.6 The Bidder is responsible for all costs associated with transmission interconnections and system upgrades, including affected system upgrades (if any), as required by the interconnecting utility, SPP as applicable.
- 3.8.7 Bidders seeking to propose a technology that is not currently reflected in their interconnection agreement or interconnection study documentation must clearly describe the timing and process (including reference to the applicable RTO tariff and/or manual) needed to make such a change in technology type.

4. PSA Bid Price and Structure

- 4.1 Proposal pricing must be for the Company's acquisition of a turnkey Project that is a complete, commercially operable, and integrated electric generating or storage plant or the equivalent for a Self-Build Proposal (Appendix B).
- 4.2 Seller shall use Appendix B, and any other attachments as needed to fully articulate the pricing of its Proposal.
- 4.3 The PSA will be for the purchase of 100% of the equity interest of the Project LLC at the completion and commissioning of new Projects. Payment by SWEPCO to the Bidder will be at or near the Commercial Operation Date (COD) for Wind, Solar and Natural Gas Projects and at Mechanical Completion for BESS Projects. The Company will not make any progress payments.

Operational Resources would be eligible for purchase after regulatory approvals as described in Section 2.5.

4.4 The following sub-sections are specific Bid Price requirements for Wind, Solar, BESS, Natural Gas, and Mattison Storage.

4.4.1 Wind Projects:

- Wind Projects must be designed for a minimum 30-year life (15-years remaining for Operational Resources). Pricing for Wind Projects must include, but not be limited to, approved wind turbine generators with 30-year life certification (as sited) from manufacturer, balance of plant equipment, operations and maintenance (O&M) facilities, project substation, generation tie-line, SCADA, IT, and all facilities required to deliver energy into SPP.
- Bidders that desire to submit Alternate Wind Proposal with Storage Option (Section 3.6.8) must also include a Base Proposal that is “Wind Only.”

4.4.2 Solar Projects:

- Solar Projects must be designed for a minimum 30-year life (15-years remaining for Operational Resources). Pricing for Solar Projects must include, but not be limited to, solar modules, inverters, racking, tracking system, balance of plant equipment, O&M facilities (if applicable), project substation, generation-tie line, SCADA, IT, and all facilities required to deliver energy into SPP.
- Bidders that desire to submit Alternate Solar Proposal with Storage Option (Section 3.6.8) must also include a Base Proposal that is “Solar Only.”

4.4.3 BESS Projects:

- BESS Projects must be designed for a minimum 20-year life (15-years remaining for Operational Resources). Pricing for BESS Projects must include, but not be limited to, storage containers, O&M facilities (if applicable), project substation, generation-tie line, SCADA, IT, and all facilities required to deliver energy into SPP.

4.4.4 Mattison Storage Project:

- Mattison Storage Project must be designed for a minimum 20-year life. Pricing must include, but not be limited to, storage containers, O&M facilities (if applicable), project substation, generation-tie line, SCADA, IT, and all facilities required to deliver energy into SPP.

4.4.5 Natural Gas Projects:

- Gas Projects must be designed for a minimum 30-year life (15-years remaining for Operational Resources). Pricing for Gas Projects must include, but not be limited to, combustion OEM turbines/Gen Sets, O&M

facilities, project substation, generation-tie line, SCADA, IT, and all facilities required to deliver energy into SPP.

- 4.5 In addition to Sections 4.1 – 4.4 above, Proposal pricing must include the costs associated with the following:
- 4.5.1 Costs associated with ALTA/title insurance and construction financing.
 - 4.5.2 A minimum of two-year comprehensive warranty from a creditworthy entity for all equipment, including design, labor and materials, and fitness for purpose.
 - 4.5.3 Post-commercial operation testing activities and associated costs, including the installation and removal of any temporary test meteorological stations (wind only).
 - 4.5.4 Transmission and interconnection facilities required for the Project, including a detailed list of system or network upgrades, as required by SPP, including any affected system upgrades.
 - 4.5.5 All Costs associated with the development, design, engineering, procurement, construction, commissioning and applicable testing and start-up of the facility.
 - 4.5.6 Transfer of all property rights and/or any land lease(s)/easements. The O&M facility and project substation must be hosted on land that is owned and not leased.
 - 4.5.7 Proposal shall include a price for a spare main power transformer (MPT) that is in compliance with the Generation Facility Standards (Appendix F) as a separate line item (not included in) the Proposal Bid Price (Appendix B)
- 4.6 Seller shall use Appendix B, and any other attachments as needed to fully articulate the pricing of its Proposal.
- 4.7 The Proposal and its Bid Price must not be contingent upon awarding an operations and maintenance agreement for the Project.
- 4.8 Pricing shall include any costs associated with meeting the credit requirements stated in the Form PSA (Wind, Solar, and BESS) or Term Sheet (Natural Gas).
- 4.9 All costs required to achieve the full (100%) PTC, or the full (30%) ITC for BESS Projects, and any available bonus tax credits shall be included in the Bid Price.
- 4.10 Prices must be firm, representing best and final bid. Proposals and bid pricing must be valid for at least 120 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. SWEPCO reserves the right to revise this schedule at any time and at its sole discretion.

RFP Timeline		
Draft RFP Posted Online	11/29/2023	
Bidders Technical Conference	1/18/2024	
RFP Issued	1/31/2024	
Notice of Intent	2/15/2024	
Q&A Deadline	3/19/2024	
Proposal Due Date	4/03/2024	
Short-List Selection and Negotiation	7/24/2024	
Execute Definitive Agreements	1/24/2025	
File for Regulatory Approvals	2/25/2025	
Required Regulatory Approvals	3/05/2026	
Notice to Proceed	5/05/2026	
	2027 COD	2028 COD
Commercial Operation Date	No later than 12/15/2027	No later than 12/15/2028

- 5.2 Bidder Technical Conference. A Bidder Technical Conference (teleconference) was held on January 18, 2024. A copy of the conference presentation slides may be found at swepc.com/rfp.
- 5.3 Notice of Intent. SWEPCO requests that Bidders provide a Notice of Intent (“NOI”) to SWEPCO by the Notice of Intent Date defined in the RFP Timeline (Section 5.1). The NOI shall include the project(s) name, agreement type (PSA, PPA, or CPA), technology, location, size (MW), and SPP Queue number. The NOI should be emailed to the following address:

SWEPCO2024RFP@aep.com

5.4 Bidders will be required to sign a Confidentiality Agreement (“CA”) prior to receiving access the following documents via the RFP Box site:

- Instructions on Proposal submittal through RFP Box site.
- Form PSA (Wind, Solar& BESS) or Term Sheet (Natural Gas), as applicable and other PSA related documents (Appendix D)
- AEP Generation Facility Standards (Appendix F)
- EnergyInputSheet_2024.xlsx (Appendix H/I)
- SolartModelingInputSheet_2024 (Appendix I)
- Battery Storage Design Criteria Data Sheet_2024 (Appendix J)
- Thermal Data Review Form_2024 (Appendix K)
- Project Land Lease, Decommissioning Cost, and Property Tax spreadsheet (Appendix M)
- Project Technical Due Diligence Material (Appendix N)
- Site, Environmental, and Wildlife Documentation Form (Appendix O)
- Other Non-Price Factor Documentation (Appendix P)
- Tax Credit Information Form (Appendix Q)
- Mattison Storage Project Supporting Information (Appendix S)

5.5 Bidders should request the Form CA by emailing SWEPCO2024RFP@aep.com and including the following documentation:

- Resource Type (Wind, Solar, BESS, or Natural Gas)
- Proposal Type (PSA, PSA (Mattison), PPA, or CPA)
- Supporting documentation of Bidder’s experience in developing, engineering, procuring equipment, constructing and commissioning similar electric generation facilities (\geq Project bid size) in the United States or any portion of Canada and/or otherwise have demonstrated appropriate experience
- Documentation that the Project is active in the SPP Queue Cluster 2021-001, or earlier*
- Confirmation of Site Control*

*Not required Bidders that are proposing only a PSA (Mattison) Project

5.6 The Company reserves the right to solicit additional information or Proposals and the right to request additional information from Bidders during the Proposal evaluation process.

5.7 Proposals must be complete in all material respects and be uploaded electronically to the RFP Box site no later than 3:00 p.m. CT (4:00 p.m. ET) on the Proposal Due Date. 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. Detailed instructions on how to submit Proposals will be provided upon signing a CA.

- 5.8 Proposals and Bid Pricing must be valid for at least 120 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 Short-List Selection.

6. Proposal Content

Bidders must submit the following information for Proposals. All electronic versions of the Appendices shall be individual files. Proposal content shall be uploaded to the applicable Box folders and not reference other areas of the Proposal even if the information is duplicative.

- 6.1 A completed Proposal Content Check Sheet.
- 6.2 A cover letter signed by an authorized representative of the Bidding Company with a statement of firm pricing for 120 days after the Proposal Due Date.
- 6.3 An executive summary of the Project’s characteristics and timeline, including any unique aspects and benefits.
- 6.4 A completed Appendix A (Resource Specific Project Summary: A1(Wind), A2(Solar), A3(BESS), A4(Natural Gas) including an electronic Project Summary Form (link to Smartsheet form in Box) and the following attachments:
- Interconnection Studies: Include a copy of all completed interconnection studies (i.e., System Impact Study, Facilities Study, etc.).
 - Equipment Warranty Information: Include detailed information regarding the equipment (i.e., wind turbine, solar module, inverter, energy storage resource, etc.) manufacturer’s warranty offering including parts and labor coverage and other key terms. Include Battery Warranty and Degradation Curve(s), if applicable.
- 6.5 A completed Appendix B (Bid Proposal)
- Alternate Energy Storage Option: Bidders providing an alternate Proposal for a Solar or Wind energy resource with an optional energy storage resource shall provide this option separate from the base “energy resource only” Proposal. This optional Proposal shall include all applicable information from this Section 6 in addition to technical, operating, performance, and warranty details associated with the storage resource. Any Energy Storage Project offered with Wind or Solar shall comply with the AEP Battery Energy Storage Technical Specification and Design Criteria (Appendix F) and a Battery Storage Design Criteria Data Sheet (Appendix J). Bidders must specify the proposed charging arrangement,

i.e., open or closed loop to the grid, and if the current interconnection queue supports this arrangement.

- 6.6 A completed Appendix C (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 for Projects similar to those sought by the Company in this RFP.
- 6.7 A comprehensive list of the Bidder's commercial, legal, and other exceptions to the terms and conditions contained in the applicable Form PSA (Wind, Solar, and BESS) / Term Sheet (Natural Gas) or an affirmative acknowledgement that the Form PSA or Term Sheet is acceptable to the Bidder (Appendix D).
- 6.8 A list of any exceptions it takes to the applicable AEP Generation Facility Standard and Scope of Work (Appendix F).
- 6.9 All required Resource Analysis/Study Information for the corresponding resource type (Appendix H, Appendix I, Appendix J, Appendix K).
- 6.10 A completed Appendix (L). 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.
- 6.11 Bidder's Proposal shall include a completed Appendix M containing expected Land Lease Costs, Decommissioning Costs, and Property Taxes, as well as a written description of each.
- Land Lease Costs shall be provided by year for a 35-year operating period. Projects must report all land obligations (e.g., options to lease or purchase land, royalties, easement payments, etc.) to ensure SWEPCO has a full understanding of the all-in costs to support the land rights needed for the proposed Project. Any leases that include revenue-based royalty structures will need to be amended prior to closing any PSA transaction.
 - Decommissioning Costs must include typical costs to remove the facility and restore the site, as well as any bond release or other end-of-life payment obligations.
 - Property Taxes must include the current status of efforts to secure abatements or payments-in-lieu-of-taxes (PILOTs) being sought and details about any local or state abatement programs available, or restrictions on such programs, and a written description of how such expenses were calculated.
 - Project Land Lease, Decommissioning Cost, and Property Tax spreadsheet.

- Provide a site control map showing Project boundaries, setbacks/exclusions, general equipment layout, and land lease status (i.e., land currently under lease, land expected to be leased, land NOT likely to be leased, and indeterminate status).

6.12 All required Technical Due Diligence Material (Appendix N)

6.13 A completed Appendix O (Site / Environmental / Wildlife Information)

- Site Environmental and Wildlife Review Form
- Site Boundary Site Layout: Include a diagram or map identifying the boundary with anticipated placement of major equipment and other project facilities, including transmission layouts and Point of Delivery.
- 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.

6.14 A completed Appendix P (Other Non-Price Factor Documentation Form).

6.15 A completed Appendix Q (Federal Tax Credits). For all Proposals other than Natural Gas, a detailed description of how Projects intend to qualify for full (100%) PTC or full (30%) ITC under the Inflation Reduction Act of 2022 (IRA). This description should include details on:

- How the project will comply with Prevailing Wage and Apprenticeship Requirement (PWAR) including a detailed description of Bidder's process and tools (e.g., software) for collecting, organizing, and retaining sufficient records to establish compliance with PWAR and ability to timely deliver records for review during a Project. These records are expected to provide information necessary to make a determination as to whether the Project satisfies PWAR under current IRS Guidance.
- The Project's ability to qualify for Bonus Tax Credits provided under the Inflation Reduction Act, if applicable.

6.16 PSA bids for Operational Resources must contain all of the information listed in Appendix R.

7. RFP Proposal Evaluation

Proposals must include all applicable content requirements as described in Section 6. SWEPCO will consider bids that are reliable, feasible, and represent a reasonable cost means of satisfying the requirements of this RFP. The Evaluation Process, which includes three main steps, is central to the success of SWEPCO's RFP process.

Section 7.1: Eligibility and Threshold Requirements
Section 7.2: Detailed Analysis (Economic and Non-Price)
Section 7.3: Short-List Selection

- 7.1 Eligibility and Threshold Requirements: If the Bidder does not qualify under any one of the Sections 7.1.1 –7.1.13, the Bidder will not qualify for this RFP and will be notified accordingly.
- 7.1.1 Proposal must be for a PSA for a Wind, Solar, BESS, or Natural Gas resource (Section 2.1 and 2.2).
 - 7.1.2 Projects must have an Expected COD by 12/15/2027, or alternatively 12/15/2028 (Section 3.2).
 - 7.1.3 Project must have a minimum nameplate rating MWac by resource as listed in Section 3.4.
 - 7.1.4 Solar, BESS, and Natural Gas Projects must be located in the SPP portion of Arkansas, Louisiana, or Texas *and* directly interconnected to SWEPCO’s transmission system. Wind Projects must be located in the SPP portion of Arkansas, Louisiana, Texas, Oklahoma, Kansas, or Missouri. (Section 3.5).
 - 7.1.5 Project Specific Requirements (Section 3.6):
 - Wind Projects: Turbines must be manufactured by GE, Vestas, or Siemens-Gamesa with a Cold Weather Package.
 - Solar Projects: Solar modules and inverters must be manufactured by approved vendors in the AEP Generation Facility Standard for Solar Facilities
 - BESS Projects: Asset will be, or have been, built using utility grade equipment, components, and materials. The asset design must incorporate prudent utility features for maintainability and safe reliable operation. BESS Projects must be manufactured by approved vendors in the AEP Generation Facility Standard for Battery Energy Storage Systems.
 - Natural Gas Projects: Asset will be, or have been, built using utility grade equipment, components, and materials. The asset design must incorporate prudent utility features for maintainability and safe reliable operation.
 - 7.1.6 Bidder must have established Site Control (Section 3.6.5). Requirement not applicable to Mattison Storage Project Proposals.

- 7.1.7 New Wind, Solar, and Gas Projects must have a minimum design life of 30 years and BESS Projects must have a minimum design life of 20 years. Operating Wind, Solar, BESS, and Gas Projects must have a minimum remaining design life of 15 years (Section 3.6.7).
 - 7.1.8 Project must be interconnected to SPP, be active in SPP Queue Cluster 2021-001 or earlier, and remain active in the queue process with the demonstrated ability to achieve commercial operation of any interconnection for the full output of the Project by the expected Commercial Operation Date (Section 3.8.2). Requirement not applicable to Operational Resources, Self-Build Proposals or Mattison Storage Project Proposals.
 - 7.1.9 Bidder's exceptions to the Form PSA (Wind, Solar, and BESS) or PSA Term Sheet (Natural Gas) must be complete and, considered individually or in the aggregate, minimally acceptable to the Company as a basis for further discussions (Section 6.7). If exceptions are not provided, the Bidder should include an affirmative acknowledgement that the Form PSA or Term Sheet is acceptable to the Bidder. SWEPCO reserves the right to disqualify any Bidder that provides an incomplete list of exceptions (for example, by noting that the Bidder's exceptions list has not been reviewed by certain commercial, functional or legal reviewers and may be supplemented with additional exceptions on further review).
 - 7.1.10 Proposal must include detailed exceptions, if any, to the applicable AEP Generation Facility Standard and Scope of Work in Appendix F. (Section 6.8).
 - 7.1.11 Resource Information: Bidder must submit all required Resource Studies/Information listed in Appendix H (Wind), Appendix I (Solar), Appendix J (BESS), and Appendix K (Natural Gas) for the proposed resource type (Section 6.9).
 - 7.1.12 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 (Appendix A).
 - 7.1.13 Bidder is required to include requested financial information (Appendix C) so that AEP's credit department can conduct a financial wherewithal assessment. Bidders are required to verify that any costs associated with meeting the credit requirements are included in the submitted Bid Price (Appendix B) (Section 4.8).
- 7.2 Detailed Analysis: Proposals meeting the Eligibility and Threshold Requirements in Section 7.1 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 will constitute 40% of the overall evaluated value of each Proposal in the Short-List Selection process.

7.2.1 Economic Analysis (60%): The Economic Analysis will include the calculation of three financial metrics which will provide multiple perspectives on cost and value, including:

- Levelized Adjusted Net Cost of Energy (LANCOE),
- Levelized Adjusted Net Cost of Capacity (LANCOC), and
- Value to Cost (V/C) Ratio.

LANCOE and/or LANCOC will be the primary ranking for projects of a specific generation type (e.g., wind, solar, etc.). The consideration of each will be based on the nature of the project as predominantly providing energy or capacity value or some comparable amount of each.

V/C Ratio will be the primary ranking metric for comparing across different generation types. Additional details of the three financial metrics described above are as follows with supporting definitions below:

$$\text{LANCOE} \quad (\$/\text{MWh}) \quad = \quad \frac{\text{Total Cost } (\$) - \text{Total Value } (\$)}{\text{Present Value of Projected Energy Production (MWh)}}$$

$$\text{LANCOC} \quad (\$/\text{MW-Day}) \quad = \quad \frac{\text{Total Cost } (\$) - \text{Total Value } (\$)}{\text{Present Value of Projected SPP Accredited Capacity (MW)}}$$

$$\text{V/C Ratio} \quad = \quad \frac{\text{Total Value}}{\text{Total Cost}}$$

Definitions

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), terminal value, 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 SPP revenues for the Proposal’s energy and ancillary services, the expected value of renewable energy certificates (RECs), capacity value, 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 West 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.

SPP Accredited Capacity: SPP Accredited Capacity shall be computed by adjusting a qualifying Proposal’s applicable nameplate or contracted capacity by the forecasted adjustments that are used, or are expected to be used, by the SPP 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.

7.2.2 Non-Price Factor Analysis: SWEPCO will consider all applicable factors including, but not limited to, the following factors to determine the viability of the Proposal.

- Location and Economic Benefits. The Company will evaluate the location of a project and preference will be given to projects located in Arkansas, Louisiana, or Texas. This factor will include a review of the economic benefits to local governments and businesses, including local property and sales tax benefits, local job creation, and the use of contractors based in Arkansas, Louisiana, or Texas.
- Dispatchability and Flexibility. The Company will evaluate projects, if applicable on factors such as dispatch capability, dispatch range, ramp rates, maximum operational hours, minimum run time, minimum down time, ancillary service potential.
- Resource Diversity, Cost Risk, and Technology. The Company will evaluate projects on factors including, but not limited to, resource diversity, firm fuel cost requirements, operations and maintenance costs, storage charging costs, performance-based accreditation risks.

- Project Risk and Project Quality. The Company will evaluate projects on asset-specific benefits and risks, developer experience and financial wherewithal, exceptions to the Company’s Generation Facility Design Standards, exceptions to the Company’s form agreements (PSA/PPA/Term Sheet), interconnection status, and development status (site control; permitting, studies and zoning; project timing; supplier and contractor arrangements; community support and relations).
- Social Benefits and Risk. The Company will review and evaluate the following: 1) the developer’s understanding of the community’s demographics and, in particular, if a project is located in a disadvantaged community, 2) the developer’s project stakeholder engagement plan to educate/engage the community and address environmental impacts and other concerns, 3) the developer’s plan to maximize project benefits such as, but not limited to, the developer’s plan to use small and diverse suppliers ([AEP Supplier Diversity](#)) and subcontractors, and the extent to which replacement generation supports communities that are experiencing other generation retirements.

7.3 Short-List Selection: SWEPCO will consider bids that are feasible and represent a reasonable cost means of satisfying the requirements of this RFP. Based on the results of the Detailed Analysis described above in Section 7.2, the Company will determine which Projects will be included in the Short-List Selection while also taking into consideration previous state commission orders in each of SWEPCO’s jurisdictions. 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.

Shortlisted Bidders are not guaranteed award of a contract. An awarded PSA is subject to final negotiations of a definitive agreement. SWEPCO anticipates that fewer contracts will be executed than the number of Shortlisted bids.

SWEPCO reserves the right to disqualify any Shortlisted Bidder that provides a marked Form PSA (Wind, Solar, and BESS) or Term Sheet (Natural Gas) that materially departs from their previously submitted exceptions list (see Section 7.1.9).

8. Reservation of Rights

A Proposal will be deemed accepted only when the Company and the successful Bidder have executed a definitive Purchase Sale Agreement 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 of its regulatory filings.

9. Confidentiality

SWEPSCO 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. SWEPSCO reserves the right to release any Proposals to agents or consultants for purposes of Proposal evaluation. SWEPSCO'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, SWEPCO and AEPSC will make reasonable efforts to protect Bidder's confidential information.

10. Bidder's Responsibilities

- 10.1 It is the Bidder's responsibility to submit all requested material by the deadlines specified in this RFP.
- 10.2 The Bidder should make its Proposal as comprehensive as possible so that SWEPCO may make a definitive and final evaluation of the Proposal's benefits to its customers without further contact with the Bidder.
- 10.3 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.
- 10.4 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 to this RFP. SWEPCO 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 SWEPCO at its sole discretion.

11. Contacts

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

SWEPCO2024RFP@aep.com

Appendix A1 (PSA Wind)

Appendix A1 (PSA Wind)

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.		
<i>Additional company information to be provided in Appendix C – Bidder’s Credit-Related Information and Profile</i>		

General Project Information

Project Name:		
Project Type: <i>(e.g., Wind, Solar, BESS, NG Simple Cycle, Combined Cycle, etc.):</i>		
New or Operational?		
Project site located (County, State):		
SPP Queue Cluster #:	SPP Queue #:	
Expected Commercial Operation Date:		
Percentage of Federal Tax Credit that the Project will qualify for:	%	
Design Life (Years); if an Operational Resource, also include estimated remaining useful life:		
Bidder confirms that it has substantial Project site control	(Y/N):	
Is the Proposal for 100% of the asset? (Y/N) If No, what percentage?	%	

Wind Project Information

Wind Turbine Manufacturer:	Model:		
Wind Project Nameplate (MWac):	Design Life (Yrs.):		
Number of Turbines:	Remaining Useful Life if Operational (Yrs.):		
Independent Wind Resource Study Included (Y/N):	Source of Independent Wind Resource Study:		
Turbine Specific Site Suitability Report completed & included in Proposal?			(Y/N)
Does the Turbine have a Cold Weather Package Included?			(Y/N)
Expected Annual Energy (MWh):	Capacity Factor (%):		
	Expected Annual Availability (%):		
Year 1 Expected Annual Energy (MWh) ¹ :	Year 1 Capacity Factor (%) ¹ :		
<i>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.</i>			
<i>Include all equipment warranty information in the Appendix A Box folder.</i>			
<i>Refer to Appendix H (Wind Resource Analysis/Study) for additional wind information requested.</i>			

Energy Storage Option Information (co-located with Wind or Solar Projects)

Storage Resource Description:			
Duration (Hours):			
Nameplate rating (MWac) of the co-located energy storage system as a percentage of the nameplate rating (MWac) of the Solar or Wind energy resource (25% minimum):			%
Economic Life Assumption (Years):			
Project Capacity Values, MWac	Nameplate Rating	Winter Rating	Summer Rating
Will the BESS have the capability to be charged by the wind energy resource, the electric grid, or both? Does the interconnection queue support this capability?			
<i>Additional BESS Project information to be provided in Appendix J – BESS Resource Information</i>			

Interconnection (SPP)

SPP 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:			
Type of transmission service (NRIS, ERIS):			
SPP Interconnection Status (including description of any communication with SPP):			
<i>Please attach a copy of all interconnection studies/agreements and/or the expected completion date(s) in the Appendix A Box folder.</i>			

Site Information

Site Legal Description:			
Address:			
City:		State:	Zip Code:
County		Longitude:	Latitude:
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:
Have you contacted all required permitting agencies regarding this project and identified all necessary permits?			
Permits			
Local (County, City, etc.) (Y / N):			
State (Y / N):			
Federal (Y / N):			

Wildlife Resources (Federal, State, etc.) (Y / N):	
Other (Y / N):	
<i>Additional Site information and Form to be provided in Appendix O – Site, Environmental and Wildlife Information.</i>	

Projects Completed of the Same Technology Type

Provide a summary of all projects of comparable size 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 (provide in a separate attachment, if necessary).

Project	Location	MWac	Bidder’s Role
Total MWac =			

Appendix A2 (PSA Solar)

Appendix A2 (PSA 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.		
<i>Additional company information to be provided in Appendix C – Bidder’s Credit-Related Information and Profile</i>		

General Project Information

Project Name:		
Project Type: <i>(e.g., Wind, Solar, BESS, NG Simple Cycle, Combined Cycle, etc.):</i> New or Operational?		
Project site located (County, State):		
SPP Queue Cluster #:	SPP Queue #:	
Expected Commercial Operation Date:		
Percentage of Federal Tax Credit that the Project will qualify for:		%
Design Life (Years); if an Operational Resource, also include estimated remaining useful life:		
Bidder confirms that it has substantial Project site control		(Y/N):
Is the Proposal for 100% of the asset? (Y/N) If no, what percentage?		%

Solar Project Information

Module Manufacturer / Model:	
Manufacturer's Degradation Warranty Specifications: Year 1 Degradation (%): Post-Year 1 Degradation (%): Annual Degradation (%): <i>If more than one module is contemplated, indicate the model with the highest degradation percentage. Add amplifying details, if necessary.</i>	
Configuration (Fixed Tilt / Single Axis):	
Inverter Manufacturer / Model:	
Tracker Manufacturer / Model:	
Solar Project Nameplate (MWac): Solar Project Nameplate (MWdc): Solar Project Capacity Factor (%):	Expected Annual Availability (%):
Solar report / analysis (e.g., PVSyst) completed and included in Proposal?	(Y/N):
<i>Include all equipment warranty information in the Appendix A Box folder.</i>	
<i>Additional Solar Project information to be provided in Appendix I – Solar Resource Information.</i>	

Energy Storage Option Information (co-located with Wind or Solar Projects)

Storage Resource Description:			
Duration (Hours):			
Nameplate rating (MWac) of the co-located energy storage system as a percentage of the nameplate rating (MWac) of the Solar or Wind energy resource (minimum 25%):			%
Economic Life Assumption (Years):			
Project Capacity Values, MWac	Nameplate Rating	Winter Rating	Summer Rating
Will the BESS have the capability to be charged by the solar energy resource, the electric grid, or both? Does the interconnection queue support this capability?			
<i>Additional BESS Project information to be provided in Appendix J – BESS Resource Information</i>			

Interconnection (SPP)

SPP 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:			
Type of transmission service (NRIS, ERIS):			
SPP Interconnection Status (including description of any communication with SPP):			
<i>Please attach a copy of all interconnection studies/agreements and/or the expected completion date(s) in the Appendix A Box folder.</i>			

Site Information

Site Legal Description:			
Address:			
City:		State:	Zip Code:
County		Longitude:	Latitude:
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:	
Have you contacted all required permitting agencies regarding this project and identified all necessary permits?			
Permits			
		Local (County, City, etc.) (Y / N):	
		State (Y / N):	
		Federal (Y / N):	

Wildlife Resources (Federal, State, etc.) (Y / N):	
Other (Y / N):	
<i>Additional Site information and Form to be provided in Appendix O – Site, Environmental, and Wildlife Information.</i>	

Projects Completed of the Same Technology Type

Provide a summary of all projects of comparable size 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 (provide in a separate attachment, if necessary).

Project	Location	MWac	Bidder's Role

Total MWac =

Appendix A3 (PSA BESS)

Appendix A3 (PSA BESS)

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.		
<i>Additional company information to be provided in Appendix C – Bidder’s Credit-Related Information and Profile</i>		

General Project Information

Project Name:		
Project Type: <i>(e.g., Wind, Solar, BESS, NG Simple Cycle, Combined Cycle, etc.):</i>		
New or Operational?		
Project site located (County, State):		
SPP Queue Cluster #:	SPP Queue #:	
Expected Commercial Operation Date:		
Percentage of Federal Tax Credit that the Project will qualify for:	%	
Design Life (Years); if an Operational Resource, also include estimated remaining useful life:		
Bidder confirms that it has substantial Project site control	(Y/N):	
Is the Proposal for 100% of the asset? (Y/N) If no, what percentage?	%	

BESS Project Information

BESS Resource Description:			
Duration (Hours):			
Economic Life Assumption (Years):			
Project Capacity Values, MWac	Nameplate Rating	Winter Rating	Summer Rating
<i>Include all equipment warranty information in the Appendix A Box folder.</i>			
<i>Additional BESS Project information to be provided in Appendix J – BESS Resource Information</i>			

Interconnection (SPP)

SPP 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:			
Type of transmission service (NRIS, ERIS):			
SPP Interconnection Status (including description of any communication with SPP):			
<i>Please attach a copy of all interconnection studies/agreements and/or the expected completion date(s) in the Appendix A Box folder.</i>			

Site Information

Site Legal Description:		
Address:		
City:	State:	Zip Code:
County	Longitude:	Latitude:

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:
Have you contacted all required permitting agencies regarding this project and identified all necessary permits?	
Permits	
Local (County, City, etc.) (Y / N):	
State (Y / N):	
Federal (Y / N):	
Wildlife Resources (Federal, State, etc.) (Y / N):	
Other (Y / N):	
<i>Additional Site information and Form to be provided in Appendix O – Site, Environmental, and Wildlife Information.</i>	

Projects Completed of the Same Technology Type

Provide a summary of all projects of comparable size 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 (provide in a separate attachment, if necessary).

Project	Location	MWac	Bidder's Role
Total MWac =			

Appendix A4 (PSA Natural Gas)

Appendix A4 (PSA Natural Gas)

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.		
<i>Additional company information to be provided in Appendix C – Bidder’s Credit-Related Information and Profile</i>		

General Project Information

Project Name:	
Project Type: <i>(e.g., Wind, Solar, BESS, NG Simple Cycle, Combined Cycle, etc.):</i>	
New or Operational?	
Project site located (County, State):	
SPP Queue Cluster #:	SPP Queue #:
Expected Commercial Operation Date:	
Design Life (Years); if an Operational Resource, also include estimated remaining useful life:	
Bidder confirms that it has substantial Project site control	(Y/N):
Is the Proposal for 100% of the asset? (Y/N) If no, what percentage?	%

Natural Gas Project Information

Fuel Type (Primary / Secondary):			
Project Capacity Values, MWac	Nameplate Rating	Winter Rating	Summer Rating
<i>Include all equipment warranty information in the Appendix A Box folder.</i>			
<i>Additional Natural Gas Project information to be provided in Appendix K –Natural Gas Resource Information</i>			

Interconnection (SPP)

SPP 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:			
Type of transmission service (NRIS, ERIS):			
SPP Interconnection Status (including description of any communication with SPP):			
<i>Please attach a copy of all interconnection studies/agreements and/or the expected completion date(s) in the Appendix A Box folder.</i>			

Site Information

Site Legal Description:		
Address:		
City:	State:	Zip Code:
County	Longitude:	Latitude:
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:
Have you contacted all required permitting agencies regarding this project and identified all necessary permits?	
Permits	
Local (County, City, etc.) (Y / N):	
State (Y / N):	
Federal (Y / N):	
Wildlife Resources (Federal, State, etc.) (Y / N):	
Other (Y / N):	
<i>Additional Site information and Form to be provided in Appendix O – Site, Environmental, and Wildlife Information.</i>	

Projects Completed of the Same Technology Type

Provide a summary of all projects of comparable size 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 (provide in a separate attachment, if necessary).

Project	Location	MWac	Bidder’s Role
Total MWac =			

Appendix B

PSA Proposal Bid Pricing

Project Name:	
Developer:	
Resource Type: (e.g., Base Wind, Solar w Energy Storage Option, etc.)* New or Operational	
Proposal Type:	PSA

**If submitting a Wind or Solar with Energy Storage Option Proposal, developer must also include a Base Wind or Solar Proposal (w/o Storage)*

Note: 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.

PSA Proposal Bid Pricing

Base Wind, Solar, Natural Gas Proposal				
Expected COD by	Equipment Manufacturer	Expected Annual Energy (if solar, year 1)	Capacity Factor (if solar, year 1)	Bid Price, \$
				\$
Does Bid Price assume 10% IRA Domestic Content Tax Bonus (Y/N)?				
If “Yes” above (re: Tax Bonus), provide Bid Price without				\$
Remaining Economic Life Assumption (Years):				
Does the Bid Price include an O&M building that meets the Generation Facility Standards?				
Interconnection Costs included in Bid:				\$
Do the interconnection costs above match the attached studies (Y or N)? If No, please explain below:				
Does the Transmission Owner have plans to self-fund any of the interconnection / network upgrade costs for this Project? If so, please explain below and indicate whether, or not, the self-funding is reflected in the Bid Price:				
Does the Bid Price include all costs necessary to meet the credit requirements outlined in the SWEPCO Security Table document provided with Appendix D (PSA) (Y or N)?				
Include the cost of a spare Main Power Transformer (MPT) that meets the AEP Generation Facility Standard specification (Appendix F)				\$

Wind or Solar Proposal with Energy Storage Option				
Expected COD by	Equipment Manufacturer	Expected Annual Energy	Capacity Factor	Bid Price, \$
				\$
Does Bid Price assume 10% IRA Domestic Content Tax Bonus (Y/N)?				
If “Yes” above (re: Tax Bonus), provide Bid Price without				\$
Remaining Economic Life Assumption (Years):				
Does the Bid Price include an O&M building that meets the Generation Facility Standards?				
Interconnection Costs included in Bid:				\$
Do the interconnection costs above match the attached studies (Y or N)? If No, please explain below:				
Does the Transmission Owner have plans to self-fund any of the interconnection / network upgrade costs for this Project? If so, please explain below and indicate whether, or not, the self-funding is reflected in the Bid Price:				
Does the Bid Price include all costs necessary to meet the credit requirements outlined in the SWEPCO Security Table document provided with Appendix D (PSA) (Y or N)?				
Include the cost of a spare Main Power Transformer (MPT) that meets the AEP Generation Facility Standard specification (Appendix F)				\$

BESS Proposal				
Expected COD by	Equipment Manufacturer	Nameplate (MW / MWh)		Bid Price, \$
				\$
Does Bid Price assume 10% IRA Domestic Content Tax Bonus (Y/N)?				
If “Yes” above (re: Tax Bonus), provide Bid Price without				\$
Remaining Economic Life Assumption (Years):				
Does the Bid Price include an O&M building that meets the Generation Facility Standards?				

Interconnection Costs included in Bid:	\$
Do the interconnection costs above match the attached studies (Y or N)? If No, please explain below:	
Does the Transmission Owner have plans to self-fund any of the interconnection / network upgrade costs for this Project? If so, please explain below and indicate whether, or not, the self-funding is reflected in the Bid Price:	
Does the Bid Price include all costs necessary to meet the credit requirements outlined in the SWEPCO Security Table document provided with Appendix D (PSA) (Y or N)?	
Include the cost of a spare Main Power Transformer (MPT) that meets the AEP Generation Facility Standard specification (Appendix F)	\$

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 (if applicable): Name: Address: City: Zip Code:
Type of Relationship:
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.
Ability to Post Collateral and Raise Capital: Please provide a narrative describing the Bidders' ability and plan to both post collateral and raise capital to facilitate the development and construction of the project.

Bidder Profile

Please list Bidder's Affiliate companies:

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

Please identify all persons and entities that have a direct or indirect ownership interest in the Project:

Please attach a summary of Bidder's background and experience in the development of projects of the same technology as the proposed project.

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 D

Form Purchase and Sale Agreement (PSA) and Term Sheet

See Section 5.4 for instructions to obtain the Form Purchase and Sale Agreement (Wind/Solar/BESS) or Term Sheet (Natural Gas).

Appendix E

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Appendix F

AEP Generation Facility Standards

See Section 5.4 for instructions to obtain the applicable AEP Generation Facility Standards and Scope of Work.

- Wind: GEN-4560 Wind Projects Technical Spec Rev 9
- Solar: GEN-4550 Solar Projects Technical Spec Rev 14
- BESS: GEN-4570 BESS Technical Spec Rev 6
- SWEPCO Technical Addendum 1 (GEN-4550, GEN-4560, and GEN-4570)
- Generic Natural Gas Specifications (CT, RICE, Aero)
- Scope of Work (Wind, Solar, BESS, Natural Gas)

Bidder must provide acknowledgement that the applicable AEP Generation Facility Standard and Scope of Work are acceptable or a list of any proposed comments or exceptions it takes to the applicable AEP Generation Facility Standard and Scope of Work.

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 Operational Facilities Connected to the AEP Transmission System”). Provide any exceptions to the AEP Connection Requirements if connecting to the AEP Transition System.

https://www.aep.com/assets/docs/requiredpostings/TransmissionStudies/Requirements/AEP_Interconnection_Requirements_Rev5.pdf

Appendix H

Wind Resource Information

See Section 5.4 for instructions to obtain any of the forms/documents identified below:

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 SPP. 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 (P50), net of all losses, and Auxiliary Load and Station Power the Project expects to consume (See Section 5.4 for instructions to obtain the Company's "EnergyInputSheet_2024" spreadsheet).
- 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.
- Proposed turbine locations (shape file, .kmz file, Excel file with coordinates, including map datum (e.g., WGS84, NAD83).

* Production numbers should reflect Projects built to the AEP Generation Facility Standard (e.g. leading edge protection installed on blades)

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

- 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.
- All documents related to turbine availability, electrical system design with losses.
- Any other material that Bidders have used to inform infrastructure setbacks and layout.

Appendix I

Solar Resource Information

See Section 5.4 for instructions to obtain any of the forms/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 provide the PVsyst, .PAN, and .OND files.
3. Bidder must populate the data required in the Company's "SolarModelingInputSheet_2024" spreadsheet (see Section 5.4 for instructions to obtain this document).
4. Bidder must populate the 8760 calendar year hourly energy forecast (P50), net of all losses using the Company's "EnergyInputSheet_2024" spreadsheet (see Section 5.4 for instructions to obtain this document).
5. Bidder must provide manufacturer data sheets for the Project's solar modules, inverters, racking, and tracking system.
6. If Bidder has not finalized the solar module manufacturer, they must identify the module options and provide the applicable production data (Expected Annual Energy, Capacity Factor) for each module manufacturer.
7. Bidder must provide the Project Layout along with the contour and elevation data in CAD format.
8. Bidder shall attach module and inverter warranty information with its Proposal.

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

- All documents related to module availability, electrical system design with losses.
- Any other material that Bidders have used to inform infrastructure setbacks and layout.

Appendix J

BESS Resource Information

See Section 5.4 for instructions to obtain the document identified below:

1. Bidder must populate the data required in the Company's following document:
 - Battery Storage Design Criteria Data Sheet_2024 (see Section 5.4 for instructions to obtain this document).
2. Bidder must provide degradation curves and detailed information on overbuild / augmentation schedules.

Appendix K

Natural Gas Resource Information

See Sections 5.4 for instructions to obtain the document identified below:

1. Bidder must populate the data required in the Company's following document:
 - Thermal Data Review Form_2024 to include evaluation(s) of potential interconnections to mainline natural gas pipeline infrastructure (see Section 5.4 for instructions to obtain this document).

Appendix L

Financing Plan

Bidder to include a description of its financing plan.

Appendix M

Project Land Lease Costs / Decommissioning Costs / Property Taxes

See Sections 5.4 for instructions to obtain the document identified below:

1. Bidder must populate the data required in the Company’s “Project Land_Decommissioning_PropertyTax_2024.xls” spreadsheet. Information to be provided shall include:
 - a. 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.
 - b. Estimated decommissioning costs (including separately specifying salvage value). In addition, Bidder shall provide any associated decommissioning studies.
 - c. Expected property taxes, including any abatements or payments in lieu of taxes (PILOTs), *along with a written description of how such figures were determined/calculated.*
2. Attach a copy of all leases, easements, or other ownership documentation.
3. Provide a site control map showing Project boundaries, setbacks/exclusions, general equipment layout, and land lease status (i.e., land currently under lease, land expected to be leased, land NOT likely to be leased, and indeterminate status).

The Site Control requirements in this section are not applicable to the Mattison Storage Project proposals.

Appendix N

Project Technical Due Diligence Material

Bidders must provide the following basic technical due diligence material to allow the Company to perform an initial technical due diligence of the Project.

1. Preliminary Site Layout: Provide a diagram or map identifying anticipated placement of major equipment and other project facilities, including project gen-tie line, point of interconnection, and project access roads.
2. Preliminary Electrical One Line: Provide a preliminary substation and collector system electrical one-line diagram of the Project.
3. NERC Compliance Description: If the proposed Project site and equipment is defined as an Element of the Bulk Electric System, provide a description or plan for compliance to the applicable standards (if one is available prior to the Proposal Due Date).
4. Quality Control Plan: Provide a description or a quality control plan from a recent project for major equipment supplier surveillance (i.e., fabrication inspections and testing) and solar and/or wind facility construction (i.e., inspections and testing).
5. Proposed Relay Protection Scheme: Provide a description or a relay protection one-line diagram of the project substation relay protection schemes including gen-tie to the point of interconnect (if one is available prior to the Proposal Due Date).
6. SCADA Network One Line: Provide a description or a block diagram of the SCADA and communication network configuration and a description of cyber security features.
7. Main Power Transformer: Provide a description and the manufacturer of the main power transformer included in the Proposal.
8. Geotechnical Reports: Provide copies of all completed geotechnical reports and accompanying data and attachments (if available prior to the Proposal Due Date).
9. Construction Milestone Estimates (form included)

Appendix O

Site Details / Environmental / Wildlife

1. Bidder must populate the data required in the Company's "Site_Environmental_Wildlife Review Form" document (*See Sections 5.4 for instructions to obtain*).
2. Bidder must include the following attachments (referenced to Appendix O)
 - a. Site Layout: Attach a diagram identifying anticipated placement of major equipment and other project facilities, including transmission layouts and Point of Delivery.
 - b. Project boundary (.kmz (preferred) or shape files *and* a pdf on USGS topographic map).
 - c. Permit Matrix: List and describe all city, county, state and federal permits required for this project. Include: status, duration, planned steps, any known mitigation requirements, critical milestones, and timelines.
 - d. Environmental Report Summary: The initial Proposals shall include a summary of all environmental studies, reports and agency meetings associated with the Project. (See below for potential reports to summarize, include data summaries, results and findings)
 - e. Site Control: Verify site control and reference documentation is provided under Appendix M.
3. Please attach any reports providing environmental information specific to the project, including but not limited to, the following reports as available:
 - a. Critical Issues Analysis
 - b. Tier I / II Site Characterization Report
 - c. Environmental Work / Survey Plan
 - d. Bat Acoustic Survey Report
 - e. Avian Use Survey Report
 - f. Raptor Nest Survey Report
 - g. Prey-base Survey Report
 - h. Eagle Risk Assessment Report
 - i. Wetland, Waters and Playa Survey / Assessment Report
 - j. Whooping Crane Habitat Assessment Report
 - k. Lesser Prairie Chicken Survey / Assessment Report
 - l. Phase I Environmental Site Assessment Report
 - m. Historical and Cultural Resource Survey / Assessment Report
 - n. All Other Species and Environmental Resource Survey and Study Reports
 - o. Record and Notes of all Federal or State Resource Agency Correspondence and Meetings
 - p. Associated Project Infrastructure and Environmental Resource Shapefiles (.kmz format)
 - q. Aviation / FAA Studies
 - r. Radar Study
 - s. Noise and Shadow Flicker Study
 - t. Bird and Bat Conservation Strategy and Eagle Conservation Plan (if available).

Appendix P

Other Non-Price Factor Documentation

See Sections 5.4 for instructions to obtain any of the forms identified below:

1. Bidder must populate the data required in the Company's "Other Non-Price Factor Documentation Form."

Appendix Q

Tax Credit Information

See Section 5.4 for instructions to obtain the Tax Credit Documentation Form.

1. Bidder must populate the data required in the Company’s “Tax Credit Information Form” for all non-Natural Gas Proposals.

Appendix R

Operational Resource Information

In addition to the other appendices, Operational Resources are required to upload all of the historical Operational Resource information listed below into the Appendix R Box folder:

Operational Resources

Historical operational information over the last 7 years (or less if commercial operation was more recent), including:

- Production data (8760) and availability as well as downtime issues and outlook
- Congestion and curtailment
 - Environmental, Safety issues and violations
 - NERC violations and resolution
 - Major scheduled and unscheduled maintenance matters as well as resolution
 - Community relations / external affairs issues
 - Detailed annual operations budgets, including forecasted v. actual
- Environmental and permitting summary
- List and description of any outstanding legal matters
- Facility Site Plan and General Arrangement
- List of all warranties
- Staffing
- Summary of material contracts (interconnection agreement, operations & maintenance agreements, etc.) and confirmation that the project is in compliance with all such contracts, including land leases
- Confirmation of whether the project holds firm transmission service and, if applicable, gas transportation capacity and gas supply
- Property tax abatements and/or payments in lieu of taxes
- Commercial operation date

Repower Projects

In addition to the Operational Resource requirements above, include detailed information regarding the repower plan, including detailed scope, schedule, any IE Reports, future major maintenance, warranties of replaced equipment. In addition, populate and update below table.

Component	Replace		Reuse	
	Yes / No	Useful Life	Yes / No	Remaining Life
Nacelle				
Rotor				
Blade				
Hub				
Variable Pitch System				
Bearing & Main Shaft				
Gearbox & Oil Cooler				
Generator				
Towers				
Foundation				
[Other]				

Appendix S

Mattison Storage Project Supporting Information

See Section 5.4 for instructions to obtain the Mattison Bess Supporting Information.

Mattison BESS Supporting Information

- Appendix S-A: General Arrangements
- Appendix S-B: Mattison Site Survey and Topographic Information
- Appendix S-C: Existing Underground Studies
- Appendix S-D: Conceptual One-Lines
- Appendix S-E: Environmental
- Appendix S-F: BESS Specification (Also found in Appendix F)

PSA Proposal Content Check Sheet

Item	Mark Complete and Included "X"
Cover Letter with Statement of Firm Pricing	
Executive Summary	
Appendix A1 (Wind), A2 (Solar), A3 (Storage), A4 (Natural Gas) Project Summary, as appropriate for the Proposal	
<ul style="list-style-type: none"> ▪ Completed Electronic Summary Form (Link in Box Site) 	
<ul style="list-style-type: none"> ▪ Interconnection Studies 	
<ul style="list-style-type: none"> ▪ Equipment Warranty Information (Module/Inverter/Turbine/BESS, etc.) 	
Appendix B (Bid Pricing w Statement of Firm Pricing for 120 days)	
Appendix C (Bidder's Credit Information and Profile)	
<ul style="list-style-type: none"> ▪ Company Financials 	
Appendix D (Exceptions to Form PSA/Term Sheet or affirmative acknowledgement that the Form PSA/Term Sheet is acceptable to the Bidder)	
Appendix E (Intentionally Left Blank)	
Appendix F (Exceptions to AEP Wind or Solar Generation Standard)	
Appendix G (Exceptions to AEP Requirements for Connection, if applicable)	
Appendix H (Wind Resource Information), if applicable	
<ul style="list-style-type: none"> ▪ Independent Wind Energy Report 	
<ul style="list-style-type: none"> ▪ EnergyInputSheet_2024.xlsx (8760) 	
<ul style="list-style-type: none"> ▪ Describe on-site meteorological campaign 	
<ul style="list-style-type: none"> ▪ Identify any Wind Direction Sector Management or other operational restrictions 	
<ul style="list-style-type: none"> ▪ Source and Basis of the Wind Speed Data Used in Energy Projections 	
<ul style="list-style-type: none"> ▪ Wind Turbine Power Curve Adjusted for Site Air Density 	
<ul style="list-style-type: none"> ▪ Description of the System Intended to Provide Telemetry 	
<ul style="list-style-type: none"> ▪ Summary of Representative Wind Data with Measurement Hight Referenced and Any Extrapolations Used to Estimate Wind Speeds at the Proposed Hub Height 	
Appendix I (Solar Resource Information), if applicable	
<ul style="list-style-type: none"> ▪ EnergyInputSheet_2024.xlsx (8760) 	

▪ SolarModelingInputSheet_2024.xlsx	
▪ Source and basis of the solar irradiance data used in the development of energy projections with explanation of assumptions	
▪ Module manufacturer data sheet(s)	
▪ Inverter manufacturer data sheet(s)	
▪ Tracking/Racking manufacturer data sheet(s)	
▪ PVsyst .PAN file(s)	
▪ PVsyst .OND file(s)	
▪ Project Layout along with contour and elevation data in CAD format	
Appendix J (Energy Storage Resource Information), if applicable	
▪ Battery Storage Design Criteria Data Sheet_2024.xlsx	
▪ Degradation Curve(s) and Overbuild / Augmentation Information	
Appendix K (Natural Gas Resource Information), if applicable	
▪ Thermal Data Review Form_2024	
Appendix L (Financing Plan)	
Appendix M (Projected Land Lease, Decommissioning Costs, and Property Taxes)	
▪ Project Land Decommissioning Property Tax Spreadsheet (along with written description of Property Tax calculations)	
▪ Lease Documents and all other Site Control information	
▪ Site Control Map	
▪ Decommissioning Studies	
Appendix N (Project Technical Due Diligence Material)	
▪ Preliminary Site Layout	
▪ Preliminary Electrical One-Line	
▪ NERC Compliance Description	
▪ Quality Control Plan	
▪ Proposed Relay Protection Scheme	
▪ SCADA Network One-Line	
▪ Main Power Transformer description	
▪ Geotechnical Reports	
▪ Construction Milestone Form	
Appendix O (Site Details / Environmental / Wildlife)	
▪ Site_Environmental_Wildlife Review Form	
▪ Site Layout	

▪ Site Boundary	
▪ Permit Matrix	
▪ Decommissioning Studies	
▪ Environmental Report Summary	
Appendix P (Other Non-Price Factor Documentation)	
▪ Other Non-Price Factor Documentation Form	
Appendix Q (Tax Credit Information)	
▪ Tax Credit Information Form	
Appendix R (Operational Resource Information)	
Appendix S (Mattison Supporting Information)	

Please provide an explanation/reason below for any information not checked-off and included in the Proposal: