

Version: Washington UE-210779
Date: December 29, 2021



**2022 All-Source Request for Proposals
(2022AS RFP)**

**Appendices A-Q
Umbrella Document**

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Summary of 2022AS RFP Appendices A-Q	Appendix Title	Included Below or Separate Attachment	Informational or Required Submittal	Excel Attachment
Appendix A	Technical Specifications and Required Submittals	Included Below	Both, noted by Sub-appendix below	
Appendix A-1.1	Appendix A - Technical Specifications Matrix	Separate Attachment	Informational	Excel
Appendix A-1.2 (BTA)	Wind Work Specifications	Separate Attachment	Informational (or exceptions via submittal)	
Appendix A-1.3 (BTA)	Wind Work Specifications – Observation Tower	Separate Attachment	Informational (or exceptions via submittal)	
Appendix A-1.4 (BTA)	Solar Work Specifications	Separate Attachment	Informational (or exceptions via submittal)	
Appendix A-1.5 (BTA)	HV Work Specifications	Separate Attachment	Informational (or exceptions via submittal)	
Appendix A-1.6 (BTA)	Battery Energy Storage System Technical Specification	Separate Attachment	Informational (or exceptions via submittal)	
Appendix A-2	Interconnection Studies and Agreements	Included Below	Required Submittal	
Appendix A-3	Permitting Matrix	Separate Attachment	Required Submittal	Excel
Appendix A-4.1 (BTA)	Contract Safety Plan Requirements	Separate Attachment	Informational	
Appendix A-4.2 (BTA)	Contractor Health Safety and Environmental Requirements	Separate Attachment	Informational	
Appendix A-5	Project Single-Line Drawing and Layouts	Included Below	Required Submittal	
Appendix A-6 (BTA)	Division of Responsibility	Separate Attachment	Required Submittal	Excel
Appendix A-7 (BTA)	General Technical Specifications	Separate Attachments (A-7.01 through A-7.23)	Informational (or exceptions via submittal)	
Appendix A-7.01 (BTA)	Project Document Formatting and Requirements	Separate Attachment	Informational	
Appendix A-7.02 (BTA)	Document Deliverables	Separate Attachment	Required Submittal	Excel
Appendix A-7.03 (BTA)	General AutoCAD Drafting Standards (Spec DCAP876)	Separate Attachment	Informational	
Appendix A-7.04.1 (BTA)	EBU PX-S01-S01A Substation Equipment—Power Transformer	Separate Attachment	Informational (or exceptions via submittal)	

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Appendix A-7.04.2 (BTA)	EBU PX-S02 Substation Equipment—Collector Substation Main Power	Separate Attachment	Informational (or exceptions via submittal)	
Appendix A-7.04.3 (BTA)	ZS-102 Two-Winding Dist Transformer Specification	Separate Attachment	Informational (or exceptions via submittal)	
Appendix A-7.05 (BTA)	EBU SI-S04 Electrical Equipment-Insulating Oil.	Separate Attachment	Informational (or exceptions via submittal)	
Appendix A-7.06 (BTA)	EBU SI-S02 Wind, Ice, and Seismic Withstand	Separate Attachment	Informational (or exceptions via submittal)	
Appendix A-7.07 (BTA)	EBU SI-S03 Contaminated-Environment Protection	Separate Attachment	Informational	
Appendix A-7.08 (BTA)	Procedure SP-TRF-INST Transformer Installation	Separate Attachment	Informational (or exceptions via submittal)	
Appendix A-7.09 (BTA)	TD051 Danger Sign	Separate Attachment	Informational	
Appendix A-7.10.1 (BTA)	Engineering Handbook Part 6B 5 Fence Application and Construction	Separate Attachment	Informational	
Appendix A-7.10.2 (BTA)	Section 02810 Chain Link Fencing and Gates	Separate Attachment	Informational	
Appendix A-7.10.3 (BTA)	Section 02815 Cantilever Slide Gate	Separate Attachment	Informational	
Appendix A-7.11 (BTA)	Engineering Handbook Park 6B 6 Substation Grounding	Separate Attachment	Informational	
Appendix A-7.12 (BTA)	GEN-ENG-RELAY-0001 Protective Relaying Requirements for New Plants	Separate Attachment	Informational	
Appendix A-7.13 (BTA)	GEN-ENG-RELAY-0002-Arc Flash Requirements for New Plants	Separate Attachment	Informational	
Appendix A-7.14 (BTA)	GEN-ENG-RELAY-0003 CT and PT Integrity Test	Separate Attachment	Informational	
Appendix A-7.15 (BTA)	GEN-ENG-RELAY-1003 Protective Relay Maintenance and Testing PRC 005	Separate Attachment	Informational	
Appendix A-7.16 (BTA)	Relay Testing and Commissioning Checklist	Separate Attachment	Informational	
Appendix A-7.17 (BTA)	Relay Installation Procedure GPCP-EQPMNT-INST	Separate Attachment	Informational	
Appendix A-7.18 (BTA)	Current Transformer Installation Procedure GPCP-CT-INST	Separate Attachment	Informational	
Appendix A-7.19 (BTA)	Current Transformer Installation Form GPCF-CT-INST	Separate Attachment	Informational	Excel
Appendix A-7.20 (BTA)	SG001 Substation High-Voltage Warning Signs	Separate Attachment	Informational	
Appendix A-7.21 (BTA)	EXHIBIT Xv4 Substation Equipment Installation	Separate Attachment	Informational	

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Appendix A-7.22.1 (BTA)	SV 251 Bird and Animal Protection for Miscellaneous Equipment	Separate Attachment	Informational (or exceptions via submittal)	
Appendix A-7.22.2 (BTA)	SV 001 Bird and Animal Protection—General Information	Separate Attachment	Informational (or exceptions via submittal)	
Appendix A-7.22.3 (BTA)	SV 002 Bird and Animal Protection—General Installation Instructions	Separate Attachment	Informational (or exceptions via submittal)	
Appendix A-7.23 (BTA)	Volume 8 Consultant Drafting Procedures and Standards	Separate Attachment	Informational	
Appendix A-8 (BTA)	Real Estate Specifications	Separate Attachment	Required Submittal	
Appendix A-9	Equipment Supply Matrix	Separate Attachment	Required Submittal	Excel
Appendix A-10 (BTA)	Plant Performance Guarantee	Included Below	Required Submittal	
Appendix B-1	Notice of Intent to Bid Instructions	Included Below	Requested Submittal	
Appendix B-1.1	NOI Excel Spreadsheet	Separate Attachment	Requested Submittal	Excel
Appendix B-2	Bid Proposal Instructions and Required Information	Included Below	Required Submittal	
Appendix C-1	Bid Summary and Pricing Input Sheet Instructions	Included Below	Informational	
Appendix C-2	Bid Summary and Pricing Input Sheet	Separate Attachment	Required Submittal	Excel
Appendix C-3	Energy Performance Report	Included Below	Required Submittal	
Appendix D	Bidder’s Credit Information	Included Below	Required Submittal	
Appendix E-1	PPA and Tolling Agreement Instructions to Bidders	Included Below	Informational	
Appendix E-2.1	PPA Documents – Generating Resource Only	Separate Attachment	Required Submittal as applicable (redline and issues / exceptions list)	
Appendix E-2.2	PPA Documents – Collocated Generating Resource with Energy Storage	Separate Attachment	Required Submittal as applicable (redline and issues / exceptions list)	
Appendix E-3	Tolling Agreement Documents	Separate Attachment	Required Submittal as applicable (redline and issues / exceptions list)	
Appendix F-1 (BTA)	BTA Instructions to Bidders	Included Below	Informational	
Appendix F-2 (BTA)	BTA Documents	Separate Attachment	Required Submittal as applicable (redline and issues / exceptions list)	

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Appendix G-1	Confidentiality Agreement	Included Below	Required Submittal	
Appendix G-2	Non-Reliance Letter	Included Below	Informational (Required at Final Shortlist)	
Appendix H-1	2021 PacifiCorp IRP Preferred Portfolio Transmission Upgrade Selections	Included Below	Informational	
Appendix H-2	2021 PacifiCorp IRP Preferred Portfolio Proxy Resource Selections	Included Below	Informational	
Appendix H-3	PacifiCorp Transmission: Summary of OASIS queue positions	Separate Attachment	Informational	Excel
Appendix I	Standards of Conduct; Separation of Functions	Included Below	Informational	
Appendix J	PacifiCorp Transmission Waiver	Separate Attachment	Requested Submittal	
Appendix K (BTA)	Operations and Maintenance Services	Separate Attachment	Required Submittal as applicable (redline and issues / exceptions list)	
Appendix L	Non-Price Scoring Matrix	Separate Attachment	Required Submittal	Excel
Appendix M	Role of the Independent Evaluator	Included Below	Informational	
Appendix N	PacifiCorp's Organization for RFP Process	Included Below	Informational	
Appendix O	PacifiCorp's Company Alternative (Benchmark Resource)	Included Below	Informational	
Appendix P	Equity Questionnaire	Separate Attachment	Requested Submittal	Excel
Appendix Q (demand-side)	2021 Demand Response RFP – Requirements for Demand-side Bids	Included Below	Both, noted by Sub-Appendix below	
Appendix Q-1 (demand-side)	Professional Services Contract	Separate Attachment	Required Submittal as applicable (redline and issues / exceptions list)	
Appendix Q-1.01 (demand-side)	Contract Exhibit A – Scope of Work and 2021 Demand Response RFP	Separate Attachment	Informational (or exceptions via submittal)	
Appendix Q-1.02 (demand-side)	Contract Exhibit B – Pricing and Performance Template	Separate Attachment	Required Submittal as applicable	
Appendix Q-1.03 (demand-side)	Contract Appendix B – Demand Side Tech Requirements	Separate Attachment	Informational (or exceptions via submittal)	Excel
Appendix Q-1.04 (demand-side)	Contract Exhibit C – Form of Acceptable Letter of Credit	Separate Attachment	Informational	
Appendix Q-1.05 (demand-side)	Contract Exhibit D – Form of Purchase Order	Separate Attachment	Informational	

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Appendix Q-1.06 (demand-side)	Contract Exhibit E – Statutory Form of Lien and Claim Release California Work	Separate Attachment	Informational	
Appendix Q-1.07 (demand-side)	Contract Exhibit F – Contractor Health Safety and Environmental Requirements	Separate Attachment	Informational	
Appendix Q-1.08 (demand-side)	Contract Exhibit G – Expense Report Requirements for PacifiCorp Contractors	Separate Attachment	Informational	
Appendix Q-1.09 (demand-side)	Contract Exhibit H – Diversity Subcontractor Spend Report	Separate Attachment	Informational	Excel
Appendix Q-1.10 (demand-side)	Contract Exhibit I - Prohibited Vendors	Separate Attachment	Informational	
Appendix Q-1.11 (demand-side)	Contract Appendix 1 Contractor Vendor Information Form	Separate Attachment	Informational	

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APPENDIX A-3 Permitting Matrix

APPENDIX A-4 Contractor Safety Plan and Contractor Health Safety and Environmental Requirements

APPENDIX A-5 Project Single-Line Drawing and Layouts

APPENDIX A-6 Division of Responsibility

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APPENDIX A-8 Real Estate Specifications

APPENDIX A-9 Equipment Supply Matrix

APPENDIX A-10 Plant Performance Guarantee / Warranties

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APPENDIX B-2 Bid Proposal Instructions and Required Information

APPENDIX C-1 Bid Summary and Pricing Input Sheet Instructions

APPENDIX C-2 Bid Summary and Pricing Input Sheet

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APPENDIX E-1 PPA and Tolling Agreement Instructions to Bidders

Appendix E-2 PPA Documents Including PPA Appendices

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APPENDIX H-1 2021 PacifiCorp IRP Preferred Portfolio Transmission Upgrade Selections

APPENDIX H-2 2021 PacifiCorp IRP Preferred Portfolio Proxy Resource Selections

APPENDIX H-3 Transmission Summary of OASIS Queue Positions

APPENDIX I Standards of Conduct; Separation of Functions

APPENDIX J PacifiCorp Transmission Waiver

APPENDIX K Operations and Maintenance Services

APPENDIX L Non-Price Scoring Matrix

APPENDIX M Role of the Independent Evaluator

APPENDIX N PacifiCorp's Organization for RFP Process

APPENDIX O PacifiCorp's Company Alternative (Benchmark Resources)

APPENDIX P Equity Questionnaire

APPENDIX Q 2021 Demand Response RFP – Requirements for Demand-side Bids

APPENDIX Q-1 Professional Services Contract

APPENDIX A

2022AS RFP Technical Specifications and Required Submittals

A full list of Appendix A documents is included in Appendix A-1.1 - Technical Specifications Matrix.

Appendix A includes certain technical submittals which are required bid submittals and are included in the bid package as separate attachments:

Appendix A	Supply-side Resource Required Submittals	Applicable to:
<i>Appendix A-2</i>	<i>Interconnection Studies and Agreements (all bids)</i>	<i>All bids</i>
<i>Appendix A-3</i>	<i>Permit-Matrix (all bids)</i>	<i>All bids</i>
<i>Appendix A-5</i>	<i>Project One-Line Drawing and Layout (all bids)</i>	<i>All bids</i>
<i>Appendix A-6</i>	<i>Division of Responsibility for (BTA bids only)</i>	<i>BTA bids</i>
<i>Appendix A-8</i>	<i>Real Estate Specifications (BTA bids)</i>	<i>BTA bids</i>
<i>Appendix A-9</i>	<i>Product Data- Equipment Supply Matrix (all bids)</i>	<i>All bids</i>
<i>Appendix A-10</i>	<i>Plant Performance Guarantee/Warranties for (BTAs bids only)</i>	<i>BTA bids</i>

In addition to the required submittals, Appendix A includes technical specifications for BTAs. BTA bidders must comply with the following specifications or provide an exceptions list:

Appendix A	Supply-side Resource – BTA Technical Specifications	Applicable to:
<i>Appendix A-1.2</i>	<i>Wind Work Specifications</i>	<i>Wind bids</i>
<i>Appendix A-1.3</i>	<i>Wind Work Specifications – Observation Tower</i>	<i>Wind bids</i>
<i>Appendix A-1.4</i>	<i>Solar Work Specifications</i>	<i>Solar bids</i>
<i>Appendix A-1.5</i>	<i>HV Work Specifications</i>	<i>All BTA bids</i>
<i>Appendix A-1.6</i>	<i>Battery Energy Storage System Technical Specification</i>	<i>BTA bids with Energy Storage</i>
<i>Appendix A-4.1</i>	<i>Contract Safety Plan Requirements</i>	<i>All BTA bids</i>
<i>Appendix A-4.2</i>	<i>Contractor Health Safety and Environmental Requirements</i>	<i>All BTA bids</i>
<i>Appendix A-7</i>	<i>General Owner Standards and Specifications:</i>	<i>All BTA bids</i>

PacifiCorp will provide any additional Technical Specifications for BTA bids for other resource types upon receipt of Appendix B-1 Notice of Intent to Bid.

APPENDIX A-1.1

Technical Specifications Matrix

[INCLUDED AS SEPARATE ATTACHMENTS]

The following specifications are provided as separate attachments. BTA Bidder must comply with specifications or else provide a documented list of exceptions.

A-1.2	Wind Work Specifications
A-1.3	Wind Work Specifications – Observation Tower
A-1.4	Solar Work Specifications
A-1.5	HV Work Specifications
A-1.6	Battery Energy Storage System Technical Specification

A-4.1	Contract Safety Plan Requirements
A-4.2	Contractor Health Safety and Environmental Requirements

A-7	General Owner Standards and Specifications:
A-7.01	Attachment 1A Project Document Formatting and Requirements
A-7.02	Attachment 1B Project Document Deliverables
A-7.03	Computer Aided Design (PacifiCorp Energy) General AutoCAD/Drafting Standards (Specification DCAP876)
A-7.04.1	Substation Equipment—Power Transformer
A-7.04.2	Substation Equipment—Collector Substation Main Power
A-7.04.3	Two-Winding Dist Transformer Specification
A-7.05	Material Specification ZS 061, Electrical Equipment—Insulating Oil.
A-7.06	Material Specification ZS 065, Wind, Ice, and Seismic Withstand
A-7.07	Material Specification ZS 066, Contaminated-Environment Protection
A-7.08	Procedure SP-TRF-INST, Transformer Receiving, Installation and Testing
A-7.09	Danger Sign
A-7.10.1	PacifiCorp Engineering Handbook, Part 6B.5 Fence Application and Construction
A-7.10.2	Chain Link Fencing and Gates
A-7.10.3	Cantilever Side Gate
A-7.11	PacifiCorp Engineering Handbook, Part 6B.6 Substation Grounding
A-7.12	PacifiCorp Protective Relaying Standard, Document Number: GEN-ENG-RELAY-0001

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A-7.13	PacifiCorp Protective Relaying Standard, Arc Flash Hazard Standard, Document: GEN-ENG-RELAY-0002
A-7.14	PacifiCorp Protective Relaying Standard, "Relay Current Transformer (CT) and Potential Transformer (PT) Insulation Integrity Test," Document: GEN-ENG-RELAY-003
A-7.15	PacifiCorp Protective Relaying Standard, "Thermal Plant Protective Relay Maintenance and Testing-PRC-005," Document: GEN-ENG-RELAY-1003
A-7.16	PacifiCorp Protective Relaying Standard, "Relay Testing & Commissioning Checklist"
A-7.17	PacifiCorp Protective Relaying Standard, "Relay Installation Procedure," Document: GPCP-EQPMNT-INST
A-7.18	PacifiCorp Protective Relaying Standard, "Current Transformer Installation Procedure (Relay)," Document: GPCP-CT-INST
A-7.19	PacifiCorp Protective Relaying Standard, "Current Transformer Installation Form (Relay)," Document: GPCP-CT-INST
A-7.20	SG001 Substation High Voltage Signs
A-7.21	Specification for Substation Equipment Installation Testing Commissioning
A-7.22.1	SV001 Bird and Animal Protection-General Installation Instructions
A-7.22.2	SV002 Bird and Animal Protection for Miscellaneous Equipment
A-7.22.3	Bird and Animal Protection—General Installation Instructions
A-7.23	Volume 8 Consultant Drafting Procedures and Standards

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APPENDIX A-2

Interconnection Studies or Agreement

Bidders shall provide an unredacted version of the interconnection study and the interconnection agreement for the proposed resource as Appendix A-2 to their RFP bid response.

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APPENDIX A-3

Permitting Matrix

[INCLUDED AS A SEPARATE ATTACHMENT]

Bidders shall complete the Permitting Matrix.

APPENDIX A-4

Contractor Safety Plan and Contractor Health Safety and Environmental Requirements

[INCLUDED AS SEPARATE ATTACHMENTS]

The following Appendices are provided as separate attachments and are requirements for all BTA bids. All bidders, regardless of transaction structure,¹ are encouraged to abide by and have similar safety standards and requirements.

Appendix A-4.1 (BTA)	Contract Safety Plan Requirements	Separate Attachment	Informational	Word
Appendix A-4.2 (BTA)	Contractor Health Safety and Environmental Requirements	Separate Attachment	Informational	Word

¹ PPA bidders and Demand-side bidders offering Professional Services Agreement contracts

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APPENDIX A-5

Project Single-Line Drawing and Layouts

Bidders shall provide a single line drawing and layout shown on a United States Geological Survey (USGS) 7.5-minute series map for the proposed resource as Appendix A-5 to their RFP bid response.

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APPENDIX A-6

Division of Responsibility

[INCLUDED AS A SEPARATE ELECTRONIC SPREADSHEET (EXCEL FILE)]

BTA Bidders shall complete the attached spreadsheet and submit as Appendix A-6 to their RFP bid response.

APPENDIX A-7

General Technical Specifications

[INCLUDED AS SEPARATE ATTACHMENTS]

All BTA bidders are required to comply with the following General Technical Specifications

Appendix A-7 (BTA)	General Technical Specifications
Appendix A-7.01 (BTA)	Project Document Formatting and Requirements
Appendix A-7.02 (BTA)	Document Deliverables
Appendix A-7.03 (BTA)	General AutoCAD Drafting Standards (Spec DCAP876)
Appendix A-7.04.1 (BTA)	EBU PX-S01-S01A Substation Equipment—Power Transformer
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Appendix A-7.04.3 (BTA)	ZS-102 Two-Winding Dist Transformer Specification
Appendix A-7.05 (BTA)	EBU SI-S04 Electrical Equipment-Insulating Oil.
Appendix A-7.06 (BTA)	EBU SI-S02 Wind, Ice, and Seismic Withstand
Appendix A-7.07 (BTA)	EBU SI-S03 Contaminated-Environment Protection
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Appendix A-7.10.1 (BTA)	Engineering Handbook Part 6B 5 Fence Application and Construction
Appendix A-7.10.2 (BTA)	Section 02810 Chain Link Fencing and Gates
Appendix A-7.10.3 (BTA)	Section 02815 Cantilever Slide Gate
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Appendix A-7.13 (BTA)	GEN-ENG-RELAY-0002-Arc Flash Requirements for New Plants
Appendix A-7.14 (BTA)	GEN-ENG-RELAY-0003 CT and PT Integrity Test
Appendix A-7.15 (BTA)	GEN-ENG-RELAY-1003 Protective Relay Maintenance and Testing PRC 005
Appendix A-7.16 (BTA)	Relay Testing and Commissioning Checklist
Appendix A-7.17 (BTA)	Relay Installation Procedure GPCP-EQPMNT-INST
Appendix A-7.18 (BTA)	Current Transformer Installation Procedure GPCP-CT-INST
Appendix A-7.19 (BTA)	Current Transformer Installation Form GPCF-CT-INST
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Appendix A-7.21 (BTA)	EXHIBIT Xv4 Substation Equipment Installation
Appendix A-7.22.1 (BTA)	SV 251 Bird and Animal Protection for Miscellaneous Equipment
Appendix A-7.22.2 (BTA)	SV 001 Bird and Animal Protection—General Information
Appendix A-7.22.3 (BTA)	SV 002 Bird and Animal Protection—General Installation Instructions
Appendix A-7.23 (BTA)	Volume 8 Consultant Drafting Procedures and Standards

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APPENDIX A-8

Real Estate Specifications

[INCLUDED AS A SEPARATE ATTACHMENT]

BTA Bidders shall complete and submit as Appendix A-8 to their RFP bid response.

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APPENDIX A-9

Equipment Supply Matrix

[INCLUDED AS A SEPARATE ELECTRONIC SPREADSHEET (EXCEL FILE)]

BTA Bidders shall complete and submit as Appendix A-9 to their RFP bid response.

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APPENDIX A-10

Plant Performance Guarantee / Warranties

[INCLUDED AS A SEPARATE ELECTRONIC SPREADSHEET (EXCEL FILE)]

BTA bidders to provide equipment warranties or performance guarantees for major equipment components (i.e., turbines, panels, etc.) as Appendix A-10 to their RFP bid response. Warranties shall be consistent with the specifications in Appendix A-1.

APPENDIX B-1

Notice of Intent to Bid Instructions

Bidders who intend to bid into the 2022AS RFP process are requested to complete and return the following:

1. **Appendix B-1 – Notice of Intent to Bid Form** (as executed pdf) and **Appendix B-1.1 NOI Excel Spreadsheet** (as excel spreadsheet),
2. **Appendix D - Bidder’s Credit Information**, and
3. **Appendix G-1 - Confidentiality Agreement**, as set forth below.

Bidders are requested to submit an electronic copy of **Appendix B-1, Appendix B-1.1, Appendix D, and Appendix G-1** to the following PacifiCorp and IE’s email addresses, no later than **5:00 p.m. Pacific Prevailing Time on Thursday, June 16, 2022.**

If multiple facilities are being bid, please provide one Notice of Intent to Bid for each expected facility to be bid as well as column or spreadsheet indicating the number of unique bids that will be made for each facility. A facility may have multiple bids (i.e., solar facility with PPA term of 20 years and 25 years) subject to payment of the applicable bid fee.

Email:

PacifiCorp	RFPAllSource@PacifiCorp.com
Utah IE – TBD ²	TBD
Oregon IE – PA Consulting	2022as_ie@paconsulting.com
Washington IE – Bates White, LLC	frank.mossburg@bateswhite.com

² To be updated prior to RFP issuance.

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Appendix B-1.1 Notice of Intent to Bid Form and NOI Excel Spreadsheet

[INCLUDED AS A SEPARATE EXCEL FILE ATTACHMENT]

2022 All-Source Request for Proposals (2022AS RFP)

This is to declare that the undersigned intends to respond to PacifiCorp’s 2022 All-Source Request for Supply-Side Proposals, (2022AS RFP). Bidders are requested to provide an executed version in Pdf format and also the excel spreadsheet.

Facility 1	Bid 1	Bid 2 (Insert more columns as needed)
Bidder Company (legal entity of intended signatory to a contract)		
Company Ownership (direct and indirect owners of Company; include organizational chart)		
Contact Person		
Mailing Address		
Phone(s)		
Email		
Project / Facility Name		
Resource type		
Storage type, if included		
Transaction structure type: BTA, PPA, PPA with a Battery Toll, Tolling Agreement, Professional Services Agreement		
Pricing structure: Fixed, escalating, etc.		
If a PPA, BSA or Tolling Agreement, indicate term in years		
Size of each generating asset in MW capacity (nominal)		
Size of each storage asset in MW capacity		
Duration of storage (hours), if any		
Location (County, State)		
GPS coordinates		
Proposed point of interconnection to PacifiCorp’s system or if off-system, proposed point of delivery		
PacifiCorp interconnection queue #, if any		
Estimated Commercial Operation Date (month/year)		
Diversity Strategy (free bid alternative)		

Authorized Signature _____

Print Name _____

Title _____

Date _____

APPENDIX B-2

Bid Proposal Instructions and Required Information

This **Appendix B-2** describes PacifiCorp’s expectations and requirements for the 2022AS RFP bids. In general, PacifiCorp expects bidders to provide any information that could impact the cost, reliability, dispatch frequency, or output capability of a resource. **Appendix E-1 - PPA and Tolling Agreement Instructions to Bidders** and **Appendix F-1 – BTA Instructions to Bidders** provide additional detail on bid document deliverables. Due to differences between PPA, BSA and Tolling Agreement and BTA bids, bidders should pay strict attention to instructions to ensure bids are in compliance with the instructions as outlined. For example, certain items in **Appendix F-1 and Appendix F-2** will only apply to BTA proposals (as explained in the instruction document).

Bid Checklist

Each bidder must provide complete information as requested. Applicable appendices, forms and attachments are outlined in the Bid Checklist table below that are required in the bid submittal. Specific appendices to include in the bid submittal are shown in Column C for the applicable bid structure type in Column D (PPA and Tolling Agreement Bidders) or Column E (BTA Bidders). Requirements for Demand-side bidders will be separately included as **Appendix Q - 2021 Demand Response RFP – Requirements for Demand-side Bids**.

Bid Checklist Table:

A	B	C	D	E	F
	2022AS RFP Bid Applicability	Bid must include completed Appendix	Applicable to		
Appendix A	Resource Technical Specifications		PPA/ Tolling	BTA	Demand-side
<i>Appendix A-2</i>	<i>Interconnection Studies and Agreements</i>	X	X	X	See App Q
<i>Appendix A-3</i>	<i>Permit-Matrix</i>	X	X	X	See App Q
<i>Appendix A-5</i>	<i>Project One-Line Drawing and Layout</i>	X	X	X	See App Q
<i>Appendix A-6</i>	<i>Division of Responsibility</i>	X		X	
<i>Appendix A-7</i>	<i>Owner Standards and Specification</i>	List of Exceptions		X	
<i>Appendix A-8</i>	<i>Real Estate Specifications</i>	X		X	
<i>Appendix A-9</i>	<i>Product Data- Equipment Supply Matrix</i>	X	X	X	See App Q
<i>Appendix A-10</i>	<i>Plant Performance Guarantee/Warranties</i>	X		X	See App Q
Appendix B-1 (B-1.1)	Intent to Bid Form as submitted	X	X	X	X
Appendix B-2	Information Required in Bid Proposal / Bid Proposal		X	X	See App Q
Appendix C-1	Bid Summary and Pricing Input Sheet Instructions		X	X	See App Q

A	B	C	D	E	F
Appendix C-2	Bid Summary and Pricing Input Sheet	X	X	X	See App Q
Appendix C-3	Energy Performance Report	X	X	X	See App Q
Appendix D	Bidder's Credit Information	X	X	X	
Appendix E-1	PPA and Tolling Agreement Instructions to Bidders		X		
Appendix E-2.1 or E-2.2	Redline to PPA and exhibits (PPA for generating resource only or PPA w/ collocated battery storage)	X	X		
Appendix E-3	Redline to Tolling Agreement	X	X		
Appendix F-1	BTA Instructions to Bidders			X	
Appendix F-2	Redline to BTA Term Sheet	X		X	
Appendix G-1	Confidentiality Agreement	X	X	X	X
Appendix J	PacifiCorp Transmission Waiver	X	X	X	X
Appendix K	Operations and Maintenance Services	X		X	
Appendix L	Non-Price Scoring Matrix	X	X	X	X
Appendix P	Equity Questionnaire	X	X	X	X
Appendix Q	2021 Demand Response RFP – Document Requirements	X			X
Appendix Q-1	Redline to Professional Service Contract and Exhibits	X			X
Appendix Q-1.01	Redline to Contract Exhibit A – Scope of Work ³	X			X
Appendix Q-1.02	Redline to Contract Exhibit B – Pricing and Performance Template	X			X

PROPOSAL FORMAT

PacifiCorp is requesting that bidders conform to the following format for presenting their bid information:

Section 1 – Cover Letter and Executive Summary of Proposal – Bids must include a signed cover letter including the required statements as provided in the RFP main document, **Section 3.E**. Cover letters must be signed by an executive of the project company. Bids shall include an executive summary including a brief description of the proposal and its key benefits and advantages to PacifiCorp. The executive summary should include a general description of the technology, location, and business arrangement for the bid including a pricing summary for the bid. Bidder must confirm the terms and conditions of their proposal will remain effective through November 21, 2023. Failure of a bidder to honor the terms and conditions of its proposal for the period stated in its executive summary may result in the bidder being disqualified as a bidder in future RFPs.

Section 2 – Resource Description – This section should provide a description of the resource. The **Appendix B-2** narrative should describe the technology including:

- i. A summary of the bid including location, technology, megawatt (MW) capacity, contractual term (or usable life) and price. Generating resource bids should include summary of expected production profile, capacity factors, and degradation schedule, if any. Storage bids should summarize storage capacity, duration, round-trip efficiency and degradation schedule, if any.

³ Embedded in 2021 Demand Response RFP (Exhibit A to Professional Services Contract)

- ii. A summary of the site, including GSP coordinates, a description of topology, geology, climate and resource studies completed and data available.
- iii. A summary of site control for the primary site and any necessary right-of-way or easements for transmission, roads, or access to the site.
- iv. A description of site layout including proximity to interconnection points, ingress and egress, local communities, and environmental features. The proposed site(s) must clearly be shown on a United States Geological Survey (USGS) 7.5-minute series map.
- v. A summary of critical issues analysis including key findings, studies completed and outstanding, and any other material considerations impacting the site suitability, potential schedule risk, or overall project viability.
- vi. A development status, including remaining permits and approvals and a milestone schedule summarizing estimated completion dates for key development, procurement, construction and interconnection milestone.
- vii. A summary of interconnection and transmission locations, available studies, agreements and plans for interconnection. Off-system bidders shall summarize transmission provider, control area, point of delivery, completed studies, transmission availability and status of transmission service agreement.
- viii. A summary of the generating resource and/or storage technology type, including expected usable life, site suitability and decommissioning plans. BTA bids shall confirm conformance to the Technical Specifications in Exhibit A and include a list of exceptions, if any. Bids utilizing previously owned/operated equipment shall include a summary of hours of operation and major maintenance performed.
- ix. A summary of the resource performance analysis, prepared by an independent third-party engineering firm or established in-house service provider (subject to validation by PacifiCorp), including expected capacity factors, annual energy production, storage cycles, and annual degradation. Bidder shall also summarize expected and guaranteed annual energy production, estimated annual availability, any guaranteed minimum annual availability, any operating limits, and any limits on the number of hours the resource may be operated per year or unit of time.
- x. A procurement sourcing, supply chain, engineering and construction strategy, including summary of key equipment and manufacturers as well as any tax considerations.
- xi. Summary of construction and project financing strategy.
- xii. Summary of operations and maintenance plan and service, including any warranty terms and/or guarantees on major equipment.
- xiii. A summary of key responses to the equity questionnaire such as supplier, contractor and workforce diversity, community and environmental benefits and burdens of the projects. Washington-state located resources should summarize how they will increase energy benefits and/or reduce burdens to highly impacted communities and vulnerable populations.
- xiv. The **Appendix B-2** narrative shall reference, summarize and otherwise emphasize the detailed supporting documents provided in the required appendices:
 - i. **Appendix A-2 Interconnection Studies and Agreements,**
 - ii. **Appendix A-3 Permit Matrix,**
 - iii. **Appendix A-5 Project One-Line Drawing and Layout,**
 - iv. **Appendix A-9 Product Data-Equipment Supply Matrix,**
 - v. **Appendix C-2 - Bid Summary and Pricing Input Sheet,**
 - vi. **Appendix C-3 Energy Performance Report**
 - vii. **Appendix D Bidder's Credit Information**
 - viii. **Appendix L Non-Price Scoring Matrix**

- ix. **Appendix P Equity Questionnaire**
- x. **Appendix Q 2021 Demand Response RFP – Requirements for Demand-side Bids**

BTA bidders shall also reference, summarize and otherwise emphasize the detailed supporting documents provided in the required BTA-specific appendices:

- i. **Appendix A Technical Specifications**
- ii. **Appendix A-6 Division of Responsibility**
- iii. **Appendix A-7 Owners Standards and Specifications**
- iv. **Appendix A-8 Real Estate Specifications**
- v. **Appendix A-10 Plant Performance Guarantee/Warranty**
- vi. **Appendix K Operations and Maintenance Services**

Section 3 - Bidder's Qualifications – Information in this section should be consistent with information provided in **Appendix D – Bidder's Credit Information** in the Intent to Bid submittal. This section should include, but not be limited to, the following information:

- Corporate structure and primary and secondary businesses including all legal entity names.
- Location of offices.
- Biographies of key officers.
- Summary of comparable experience developing, financing, constructing and operating generating and/or storage resources.
- Description of developer projects and independent power supply ventures participated in the last three to five years.
- Professional references including at least one primary contact and one back-up contact (name, telephone number and e-mail address) for each project or power supply venture referenced in the bidder's proposal.
- Description of any current or previous contract dispute(s) involving similar projects in which the bidder is or was involved during the last five years.
- Separate descriptions, as appropriate, for each member of a consortium or partnership of two or more firms and the relationship between the firms for this proposal.

Section 4 - Financial Information – Bidder shall reference, summarize and otherwise emphasize the detailed supporting documents provided **Appendix D – Bidder's Credit Information** in the Intent to Bid submittal.

Section 5 - Pricing Proposal – Describe in detail the pricing proposal, including the use of any index, escalation factors, or other costs to PacifiCorp. Bidders shall complete **Appendix C-2 – Bid Summary and Pricing Input Sheet**, summarize their offered pricing and describe underlying assumptions in the bid narrative.

Section 6 – Interconnection & Transmission Service – Bidder shall include a detailed description of the location of its proposed interconnection facilities, distribution or transmission facilities, including proposed delivery points consistent with information provided in **Appendix A – Technical Specifications and Required Submittals, Appendix A-2 – Interconnection Studies and Agreements** and **Appendix A-5 - Project One-Line Drawing and Layout**. Bidders should be aware of any transmission requirements or specifications that could affect their equipment selection and costs and take those specifications into consideration in preparing their bid submittal. Bidders should review and understand the North America

Electric Reliability Corporation (NERC) guidelines regarding technical requirements and modeling for renewables.⁴

Bids with projects directly interconnected to PacifiCorp's system. For proposed new resources, PacifiCorp requests that bidders request that their interconnection requests be studied for both Energy Resource Interconnection Service (ERIS) and Network Resource Interconnection Service (NRIS). Bidders shall summarize the cost for any direct assigned and network upgrades resulting from a completed interconnection study by PacifiCorp. Prospective bidders are responsible for having worked with PacifiCorp Transmission, as necessary, to ensure that all cluster study requirements included in the Open Access Transmission Tariff (OATT) were met by May 16, 2022 when, according to the current OATT as of the date of this issuance, the Cluster Request Window will have closed. Bidders shall confirm that their bids are consistent with completed interconnection studies and/or executed LGIAs provided as part of their **Appendix A-2 - Interconnection Studies and Agreements** bid submittal or otherwise demonstrate that the interconnection/transmission provider will not require a material modification.

Bids not directly interconnected to PacifiCorp's system. For proposed new resources, PacifiCorp requests that bidders request that their interconnection requests be studied for both ERIS and NRIS. Off-system bidders shall summarize the interconnection studies included in their **Appendix A-2 - Interconnection Studies and Agreements**, including the interconnection cost and milestones demonstrating their proposed commercial operation date. Finally, off-system bids shall demonstrate the availability of, and request for, long-term, firm point-to-point transmission service from the resource's point of interconnection with the third party's system to the bidder's proposed point of delivery on PacifiCorp's system.

Section 7 – Environmental and Siting – PacifiCorp requests all bidders provide a critical issues analysis. Bidder shall confirm in their **Appendix B-2** bid narrative that i) bidder will apply for required eagle take permit for the construction and operations of wind projects, and as appropriate, for other energy sources (such as long-term or temporary disturbance or take from project development or operations). Bidder shall transfer any eagle take permit obtained to PacifiCorp should PacifiCorp become the owner of the project. and ii) bidder understands it is exclusively and entirely responsible for meeting and satisfying all federal, state and local laws, permits, licenses, approvals and/or variances required to assure physical delivery of energy in accordance with any PPA, Tolling Agreement, BTA or professional services agreement. Bidder shall reference, summarize and otherwise emphasize all applicable permits that bidder has secured or will be required to receive in order to construct and operate the facility consistent with the information submitted in **Appendix A-3 – Permit-Matrix**.

Bidder must provide any additional material information including scoping, feasibility and other associated studies conducted to assess environmental impacts and to obtain necessary permits. BTA bids must include all material studies related to wildlife (including protected species, such as those protected under the federal Endangered Species Act, federal Bald & Golden Eagle Protection Act, federal Migratory Bird Treaty Act and applicable state laws), archeological, vegetation, hydrological, geotechnical, visual, noise, air quality, and other environmental impacts related to the project. The bid narrative shall note impacts to designated wilderness, national and state parks, and other scenic or protected areas. The bid narrative shall describe the methodologies for such studies and identify the person(s) or firm(s) who conducted and completed the work. If such studies are in progress, bidder should describe the scope and schedule for completion and identify the person(s) or firm(s) doing the studies and methodologies to be employed. Bidder should describe measures that will be taken to minimize the potential for

⁴ NERC, Improvements to Interconnection Requirements for BPS-Connected Inverter-Based Resources, September 2019

environmental, wildlife, visual and cultural impacts of the project. Finally, bidder should discuss plans to engage community and environmental stakeholders to support the proposed project.

To the extent applicable, bidder should include in the **Appendix B-2** bid narrative the following information with respect to any proposed facility site (see **Appendix A – Technical Specifications and Required Submittals** for additional detail applicable to specific resource type):

- i. List of all studies conducted; required environmental, construction and other regulatory permits and timelines.
- ii. Prevailing noise ordinance at the site and expected sound level (A-weighted) at the site boundary.
- iii. Proposed site plans, layouts, elevations or other aspects of the facility.
- iv. Types of transportation access required.
- v. A Phase I Environmental Site Assessment conducted or updated in the last three months.
- vi. Characterization of the area surrounding the site including a description of local zoning, flood plain information (100 yr. & 500 yr.), existing land use and setting (woodlands, grasslands, agriculture, etc.).
- vii. Proximity and extent of nearest wetlands and description of types of all types of all nearby wetlands and water bodies, including any proposed impacts.
- viii. Information on fish, avian species and other wildlife and vegetation inhabiting the area of the project, such as a Site Characterization Study (Tier I/II) and/or a Critical Issues Analysis report.
- ix. Proximity to nearest endangered or threatened or critical species habitat and information on all nearby endangered or threatened species or their nests and/or habitat which could potentially be impacted, including species protected under the federal Bald and Golden Eagle Protection Act and the federal Migratory Bird Treaty Act.
- x. Proximity to nearest historical or archaeological resources and all nearby historical or archaeological resources which could potentially be impacted.
- xi. Location and distance to population centers which could be impacted.
- xii. Expected site ambient temperature extremes and verification that freeze protection will be provided if necessary.

Section 8 – Contract Terms – In addition to the redlines of the contract pro-formas and term sheets as provided in **Appendix E-2 PPA Documents, Appendix E-3 Tolling Agreements, Appendix F-2 BTA Term sheet, or Appendix S-2 Professional Services Contract**, Bidder must identify and specify in the bid narrative they key exceptions to the terms and conditions from their redline of the contract pro-formas or term sheet, as applicable. Bidder should include the issue list as part of the bid narrative. The issue list should summarize the priority exceptions to the terms and conditions from the pro-forma documents or term sheets and the reason or context for why bidder feels their exception is reasonable. Bidder's narrative should suggest alternate language and context for each item on the issues list. Conformity to the proforma documents is strongly encouraged so bidders should use the bid narrative to support any proposed redlines.

Section 9 – O&M Services Contract Terms (BTA Option Only) – BTA bidders must provide a comprehensive listing/description of all contract terms that the bidder would seek during contract negotiations regarding operating and maintenance services for the asset. In addition to the bid narrative, BTA Bidder are required to supply a markup of the applicable form in **Appendix K - Operations and Maintenance Services** for the proposed resource or else provide a separate operating and maintenance service proposal with their bid submittal. Conformity to **Appendix K** terms is strongly encouraged. Bidders objecting to terms are encouraged to use the bid narrative to explain any proposed redlines and provide context for PacifiCorp to evaluate the proposed change to the pro forma document.

Section 10 – Equity Summary - Of particular value are those resources which provide benefits to highly impacted communities and vulnerable populations in Washington⁵ and projects that provide environmental and economic benefits to communities afflicted with poverty or high unemployment, or that suffer from high emission levels of toxic air contaminants, criteria air pollutants, and greenhouse gases in California⁶. PacifiCorp is committed to and understands the importance of promoting diversity among its suppliers, consultants and their subcontractors by increasing the amount of business conducted with qualified diverse business enterprises, including women-owned, minority-owned, disabled veteran-owned, and lesbian, gay, bisexual, and transgender (“LGBT”)- owned businesses.

All Bidders are requested to complete Tab 1 of Appendix P – Equity Questionnaire. Washington and California located projects shall also complete the state-specific questions listed in Tab 2 WA Resource Questions and Tab 3 CA Resource Questions, respectively, of Appendix P. All bidders shall summarize the following in their bid narrative:

- Summary of proximity and population characteristics of the nearest community to where facility is proposed.
- Bidder to describe itself and its own project team. Summary of supplier, contractor and workforce strategy related to diversity targets for suppliers, contractors or workforce during development, construction and/or ongoing operations. ***Bidders may submit one free bid alternative for a second/different diversity strategy at no additional bid fee.*** Bidder’s supplier and contractor diversity will be subject to an annual reporting requirement as part of the proforma contractual agreement.
- Local community impacts due to short-term and long-term job creation, workforce training or apprenticeship program, impacts to local tax base, and any other nonenergy community benefits derived from the new resource.
- Summary of any local impacts during construction and ongoing operations which may be expected related to water usage, traffic, diesel emissions, soil disturbance, emissions, dust, wastewater, hazardous waste, cultural sites, wetlands, endangered species (eagles, bats), replanting and pollinator re-seeding strategies.
- Oregon-located resources must describe how they will comply with HB2021 Clean Energy Act requirements related to apprenticeship and labor standards.
- Washington-located resources must summarize the energy and non-energy benefits and burdens to vulnerable populations and highly impacted communities and provide self-scoring of PacifiCorp’s customer benefit indicators⁷.
- California-located resources must summarize whether it is located in a community afflicted with poverty or high unemployment or that suffers from high emission levels and how the community will be impacted by the resource.

⁵ https://www.utc.wa.gov/_layouts/15/CasesPublicWebsite/CaseItem.aspx?item=document&id=00076&year=2019&docketNumber=190837&resultSource=&page=1&query=190837&refiners=&isModal=false&omItem=false&doItem=false

⁶ PUC399.13(8) (A)

⁷ Footnote to PacifiCorp’s CEIP

APPENDIX C-1

Bid Summary and Pricing Input Sheet Instructions

General Bid Summary Instructions for PPAs with and without energy storage, Tolling Agreements and BTAs. All bidder must complete and submit and **Appendix C -2 - Bid Summary and Pricing Input Sheet** for each bid submitted. Appendix C-2 is an Excel-based worksheet that covers bid summary information, energy production profile, and pricing for bid types and categories. There are seven (7) tabs in the excel workbook:

Tab	Description	Technology				Structure		
		Renewable	Renewable plus storage	Stand-alone Storage	PSH	PPA with or without Toll	Tolling Agreement	BTA
1	Data Inputs	Project detail	X	X	X	X	X	X
2	8760 First Year Generation Profile	First contract year - Expected 8760 Net Energy delivered to PacifiCorp at P50 Production - Applies to renewables	X	X			X	X
3	PPA Pricing	PPA pricing structure	X	X			X	
4	Battery Pricing & Ops	BESS pricing and operations		X	X	X	X	Ops
5	PSH Pricing & Ops	PSH pricing and operations				X	X	Ops
6	BTA Pricing Schedule	BTA pricing structure	X	X	X	X		X
7	Additional Data	Blank tab to add data	X	X	X	X	X	X

Power Purchase Agreement

1. Bidder's submitting PPA bids shall provide the information requested in **tabs 1, 2 and 3** in the **Appendix C-2** spreadsheet.
 - a. Bidder's offering collocated energy storage systems with a PPA should also provide the information requested in **tab 4** of the **Appendix C-2** spreadsheet.
2. **Tab 7** can be used for any additional information to support bid.

Battery Energy Storage Systems

1. Energy storage systems offering a Tolling Agreement for their standalone storage resources shall provide the information requested in **tabs 1 and 4** in the **Appendix C-2**.
2. **Tab 7** can be used for any additional information to support bid.

Pumped Storage Agreement

1. PSH bids shall provide the information requested in **tabs 1 and 5** in the **Appendix C-2**.
2. **Tab 7** can be used for any additional information to support bid.

Build-Transfer Agreement

1. For renewable BTA, bidders shall complete **tabs 1, 2 and 6** in the **Appendix C-2**.
2. For collocated storage, standalone storage or PSH BTA bids, bidders shall complete **tabs 4 or 5, as appropriate** in the **Appendix C-2**.
3. **Tab 7** can be used for any additional information to support bid.
4. Operating Expenses: Please provide complete information on the following, including any assumptions made on a forward basis (e.g., escalation rates):
 - Warranty Period and Characteristics for the overall project and the major equipment.

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- Annual O&M – Facilities, \$ per year.
- Annual O&M - Substation/Interconnection, \$ per year.
- Auxiliary services electric energy costs, \$ per year.
- Land Lease costs (describe), \$ per year.
- Royalty payments (describe), \$ per year and/or \$/MWh.
- Property Tax.
 - a. Expected Rate %
 - b. Rate Escalation %
 - c. Initial Cost Assessed Value \$000
 - d. Replacement Cost Escalation %
 - e. Depreciation Method
- Any property in lieu of taxes (PILOT) or other grants.

Additional Information

Bidder should provide any other information considered to be germane to PacifiCorp’s analysis of bidder’s submittal in **Tab 7**.

Separate instructions will be provided for any bidder who submits a notice of intent for a technology or structure (non-renewable) not covered by the current Appendix C-2.

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APPENDIX C-2

Bid Summary and Pricing Input Sheet

[INCLUDED AS A SEPARATE ELECTRONIC SPREADSHEET (EXCEL FILE)]

APPENDIX C-3

Energy Performance Report

PacifiCorp prefers that all energy performance reports be prepared by an independent third party. However, should a bidder have resident (in-house) renewable resource evaluation team, acceptance of bidder's in-house performance report will be subject to PacifiCorp being able to replicate the results via an independent third-party evaluator contracted by PacifiCorp. The energy performance report should be consistent with and support performance estimates provided in the **Appendix B-2 Bid Proposal Instructions and Required Information** bid narrative and also the **Appendix C-2 Bid Summary and Pricing Input Sheet**. Bidder must provide the expected performance of the resource as it varies with ambient conditions and other factors that will impact the performance of the resource. To the extent pricing, capability and/or availability vary based on specific characteristics of the facility and/or ambient conditions, the bidder must clearly identify that relationship in tabular form.

The energy performance report should detail how it was prepared, answer the specific questions listed below for each resource type, and provide the minimum data requirements. and also contain the following as applicable for wind and solar:

- **BTA bid data requirements:** Wind resource bid submittals must include a minimum of two years of on-site meteorological tower data, converted to an estimated MWh of production on an hourly time scale. PacifiCorp will accept two years of solar irradiance satellite data provided from Solargis or SolarAnywhere in lieu of on-site solar panel met data for all solar PPA and BTA bids. However, should a solar BTA bidder be selected to the final shortlist, to remain on the final shortlist, bidder must commit to install at least one solar monitoring station on the proposed solar site by June 30, 2023 with the ability to capture solar irradiance data for at least four months prior to executing agreements following a final shortlist acknowledgement. If a solar BTA bidder is selected to the final shortlist, bidder will commit to maintaining at least one on-site solar monitoring station through the entire construction period and provide the solar monitoring station and all collected solar irradiance data to PacifiCorp at BTA closing.
- **PPA bid data requirements:** Wind resource bids must include a minimum of one year of on-site meteorological tower data converted to an estimated MWh production on an hourly time scale. PacifiCorp will accept one year of solar irradiance satellite data provided from Solargis or SolarAnywhere in lieu of on-site solar panel met data for all solar PPA bids.

Wind Resource Bids – Specific Questions

1. In addition to the BTA and PPA data requirements listed above, wind bids should answer the following questions related to their site data:
 - a. How was the wind data collected, certified and correlated to the reference points?
 - b. Who provided the wind data analysis service?
 - c. What is reference height, or heights, of the meteorological data?
 - d. How was the wind data adjusted for the turbine hub height?
 - e. What is the estimated wind shear and how was the wind shear calculated?
 - f. What is the accuracy of the wind and energy forecast?
 - g. What is the basis year of the underlying data? Are the references years high, low, or average years?
 - h. How was generation output calculated from the meteorological data?

- i. Identify the specific de-ratings included in the energy forecast (wind array losses, line losses, blade degradation, site elevation, etc.)?
 2. Energy Production Estimate
 - a. Predicted hub height mean wind speed and gross and net energy production for the full project.
 - b. Predicted long-term site air density.
 - c. Turbine power curve employed and description of any adjustments made to the power curve.
 - d. Description of methodology employed to calculate energy losses due to array effects
 - e. Clear breakdown of applied energy loss factors.
 - f. Monthly and diurnal pattern of predicted energy production with an explanation of the variation.
 - g. Analysis of the uncertainty associated with the predictions provided in the assessment.
 3. Bidders may be asked to provide the following:
 - a. Site Wind Data
 - i. Raw hourly or ten-minute wind speed and direction data.
 - ii. Description of equipment used to record data.
 - iii. Calibration certificates for equipment.
 - iv. Conversion factors (e.g. m/s per Hz) applied in recording wind speeds.
 - v. Maintenance records for the monitoring equipment.
 - vi. Location, height and orientation relative to mast of all sensors.
 - b. Reference Wind Data
 - i. Hourly or ten-minute wind speed and direction data.
 - ii. Description of equipment used to record data.
 - iii. Calibration certificates for equipment.
 - iv. Maintenance records for the monitoring work.
 - v. Location, height and orientation relative to mast of all sensors.
 - c. Wind Project Information
 - i. Layout of wind project turbine array using latitude and longitude co-ordinates.
 - ii. Detailed topographic maps of project area with all mast and turbine locations.
 - d. Verification and Analysis
 - i. Details of instrument configurations and measurement periods for each site mast and reference station.
 - ii. Summary of mast maintenance records and explanations for significant periods of missing data.
 - iii. Data recovery rates and measured monthly means for masts employed in the assessment.
 - e. Prediction of Wind Regime
 - i. Description of methodology employed to adjust measured wind speeds on site to the long-term.
 - ii. Correlation plots and coefficients for relevant correlations in the assessments.
 - iii. Predicted long-term mean wind speeds at measurement heights and hub height at all masts employed in the assessment.
 - iv. Annual wind speed and direction frequency distribution for long-term site masts.
 - v. Plot of annual wind rose for long-term site masts.
 - vi. Description of methodology employed to extrapolate mean wind speeds at measurement heights to hub height.
 - f. Prediction of Wind Speed Variations

- i. Description of methodology employed to predict wind speed variations across the site.
- ii. Details of wind flow modeling employed and any inputs to the model (where applicable).

Solar

In addition to the BTA and PPA data requirements listed above, solar bids should answer the following questions related to their site data:

1. How was the resource data collected, certified and correlated to the reference points?
2. Who provided the data analysis service?
3. What is the accuracy of the raw data for the resource and energy forecast?
4. Was a typical weather year (highly preferred), an average year, or a specific weather year (i.e. 2016) used as the basis of the energy analysis for the project? If a specific weather year or an average of weather years was used, are the reference years high, low, or average years?
5. How the generation output was calculated from the meteorological and solar insolation data.
6. Identify the specific de-ratings included in the energy forecast (i.e., soiling, mismatch, wiring, inverter, transformation losses, etc.)?

Storage

PacifiCorp is battery chemistry and technology agnostic; however, PacifiCorp is providing the following guidelines for storage bids.

RFP Capacity and Storage Duration Guidelines for BESS bids:

Battery Type	Accepted Installed Capacity (% of Collocated Renewable Resource)	Storage Duration (hours) at Guaranteed Capacity	
		Minimum	Maximum
Lithium-Ion	50%, 75% or 100%	4	N/A
Flow batteries	50%, 75% or 100%	4	N/A
All other types	50%, 75% or 100%	4	N/A

Because there are no revenue grade, ANSI-approved DC meters, PacifiCorp requires AC-coupled systems, when storage is collocated with a generating facility, because of the risk to the resource of not meeting its 2026 online date with a DC connected system. As part of the **Appendix C-3 Energy Performance Report** response, BESS bids must identify the collocated renewable energy resource, if applicable, and provide a detailed description of any shared facilities and/or equipment with the associated renewable resource. BTA bids must conform to both the *generating resource specifications* and the *BESS specifications* in **Appendix A - Technical Specifications and Required Submittals**.

Appendix C-3 Energy Performance Report should be consistent with responses in **Appendix B-2 Bid Proposal Instructions and Required Information** and **Appendix C-2 – Bid Summary and Pricing Input Sheet** and other bid documents such as **Appendix A-2 Interconnection Studies and Agreements**.

All bids including a storage resource must provide a description of the plant communications and control plan. The plan shall include a description and diagrams (as applicable) that demonstrate how bidder will provide BESS systems data, including state of charge, power charge/discharge status, and asset health indicators (temperature, HVAC alerts, emergency status, etc.) as well as BESS system control, including limitation of charging only from renewable energy production, if applicable, charge/discharge scheduling, and station service load.

BESS bidders will also be required to provide an emergency response plan and a remediation plan in the event of battery accidents.

Appendix C-3 Energy Performance Report for storage bids should answer the following questions:

- Manufacture, model, and chemistry of battery
- Manufacture and model of control system for battery
- Manufacture and model of energy management system
- Manufacture and model of inverters
- Confirmation whether collocated BESS proposal is AC-coupled system
- Discharge capacity at point of delivery (MW)
- Storage capacity at point of delivery (MWh)
- Cycling capability and limitations
- Depth of charge capabilities and limitations
- Round trip efficiency (%)
- Annual degradation by contract year (%)
- Expected capacity augmentation by contract year (%) (if applicable)
- Guaranteed storage annual availability (%)
- Bidder to describe their ability to provide PacifiCorp with an option to grid charge along with description of what is required to upgrade system for battery charging from grid.

Pumped Storage Hydro (PSH) Systems.

PSH bids shall include a third-party independent engineer report describing 1) proposed technology; 2) hydro resource; 3) operational limitations; 4) expected availability and depreciable life; 5) operational budget including capital, personnel and consumable expenses.⁸

Geothermal

Geothermal bids should address the following:

1. Minimum of one production well and one injection well flow results to support the viability and capacity of geothermal resource. For results in excess of three (3) years, summarize the results for all years and provide the detail for the past three (3) years of production well flow tests.
2. Summary of all collected geothermal data for the proposed generating facility site.
3. Characterization the geothermal resource quality, quantity and projected production levels.
4. Graph or table that illustrates the annual and monthly projection of geothermal resources.
5. Description of any other existing geothermal facilities in the resource area and characterize their production and their anticipated impact, if any, on the generating facility.

Biomass and Biogas

Biomass and biogas bids should address the following:

1. Fuel makeup and its source.
2. Third-party resource assessment reports of available fuel for the generating facility and its proximity to the generating facility. Such resource assessments should include a discussion of long-term fuel price risk and availability risk issues.
3. Identify competing resource end-uses.
4. Provide a plan for obtaining the fuel, including a transportation plan.
5. Identify any contracts or option agreements to acquire and transport the fuel.
6. Provide an agreement or option agreement with a fuel source for a period of ten (10) years or greater.

⁸ To be updated prior to RFP issuance.

APPENDIX D

Bidder's Credit Information

Please provide the following information with Appendix B-1 – Notice of Intent to Bid form to enable PacifiCorp to evaluate the financial viability of the bidder and any entity(ies) providing credit assurances on behalf of the bidder, if applicable.

Bidder's Credit Information

1. Credit information for bidder
 - a. Exact legal name and address of bidder.
 - b. Debt Ratings from S&P and/or Moody's (please provide senior unsecured long term debt rating (or corporate rating if a debt rating is unavailable). Please indicate type of rating, rating, and source.
 - c. Please attach copies of audited financial statements (including balance sheet, income statement, and cash flow statement) for the three most recent fiscal years. Including the Auditor's Notes.
 - d. Identify pending legal disputes (describe).
 - e. Please state whether bidder is or has within the past five (5) years been the debtor in any bankruptcy proceeding.
 - f. If bidder is unable to provide audited financial statements or is relying upon another entity(ies) to provide credit assurances on its behalf, bidder must indicate so here and complete the following section.
 - i. Is bidder unable to provide audited financial statements?
 - ii. Is bidder relying upon another entity(ies) to provide credit assurances on bidder's behalf?
 - g. Bidder should demonstrate its ability and/or the ability of its credit support provider to provide the required security, including its plan for doing so including type of security, sources of security, and a description of its credit support provider.
 - h. Bidder should provide a reasonable demonstration of its ability to finance the proposed project based on past experience and a sound financial plan identifying the proposed sources for debt and equity and evidence that the project is financeable.
2. Credit information for entity(ies) providing credit assurances on behalf of bidder (if applicable)
 - a. Exact legal name and address of entity(ies) providing credit assurances on behalf of bidder.
 - b. Describe relationship to bidder and describe type of credit assurances to be provided (e.g., parental guaranty, cash deposit, or a letter of credit from an acceptable financial institution). Bidder must provide to Company a letter to Company from the entity(ies) providing the credit assurances on behalf of the bidder executed by an authorized signatory and indicating their form of credit assurances it will provide. It should be noted that more than one commitment letter, or more than one form of commitment letter, may be necessary.
 - c. Debt Ratings from S&P and/or Moody's (please provide senior unsecured long term debt rating (or corporate credit rating if a senior unsecured long term debt rating is unavailable). Please indicate type of rating, rating, and source:

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- d. Please attach copies of audited financial statements (including balance sheet, income statement, and cash flow statement) for the three most recent fiscal years. Including the Auditor's Notes.
- e. Describe any pending legal disputes.
- f. Please state whether entity(ies) providing credit assurances on behalf of the bidder is or has within the past five (5) years been the debtor in any bankruptcy proceeding.

Credit Requirements

The bidder may be required to post credit assurances for the applicable bid categories of Power Purchase Agreement (PPA) or Build Transfer Agreement (BTA), each of which will be expected to have a commercial operation date of no later than December 31, 2026. PacifiCorp will require a letter from the entity providing financial assurances at the bid submittal stating that it will provide financial assurances on behalf of the bidder.

If necessary, the bidder will be required to demonstrate the ability to post any required credit assurances in the form of a commitment letter from a proposed guarantor or from a financial institution that would be issuing a Letter of Credit. PacifiCorp will require each bidder to provide an acceptable commitment letter(s), if applicable, twenty (20) business days after the bidder is notified that the bidder has been selected for the Final Shortlist. Bidder will be required to provide any necessary guaranty commitment letter from the entity(ies) providing guaranty credit assurances on behalf of the bidder and/or any necessary letter of credit commitment letter from the financial institution providing credit assurances in the form of a Letter of Credit. Forms of commitment letters are part of this **Appendix D**. The timing of when credit security must be posted is detailed in the Credit Security Requirements Methodology section, which is also part of this **Appendix D**.

Amount of Credit Assurances to be Posted

The RFP selected resources have the potential to expose PacifiCorp and its ratepayers to credit risk in the event a selected bidder is unable to fulfill its obligations pursuant to the terms of an executed agreement. The credit risk profile is a function of several factors:

1. Type of resource agreement.
2. Size of resource.
3. Expected energy delivery start date.
4. Term of underlying contract.
5. Creditworthiness of bidder and bidder's credit support provider, if applicable.

In addition, please note that a financial institution providing credit assurances on behalf of the bidder must be a major U.S. commercial bank and have at all times a Credit Rating of at least 'A' and 'A2' from S&P and Moody's, respectively, and have assets (net of reserves) of at least \$10,000,000,000. Should the financial institution providing credit assurances on behalf of the bidder fail to meet these minimum requirements PacifiCorp will require credit assurances from a replacement financial institution that does meet the requirements.

The Credit Rating is defined as the lower of: x) the most recently published senior, unsecured long term debt rating (or corporate credit rating if a debt rating is unavailable) from Standard & Poor's (S&P) or y) the most recently published senior, unsecured debt rating (or corporate rating if a debt rating is unavailable) from Moody's Investor Services. If option x) or y) is not available, the Credit Rating will be determined by the Company through an internal process review utilizing a proprietary credit scoring

model developed in conjunction with a third party. All bidders will receive a Credit Rating which will be used in determining the amount of any credit assurances to be posted.

Power Purchase Agreement and Tolling Agreement

For PPAs, BSAs and PSH agreements, PacifiCorp views its potential credit exposure as the cost it would incur in the event the resource failed to reach commercial operation by December 31, 2026 or the bidder failed at any time during the life of the contract. The potential for this cost to change is greater for this resource group due to the term of the underlying contract. PacifiCorp will hold any credit security for a longer period, due to the length of the contract. PacifiCorp has determined the amount of credit assurances required for these types of transactions as **\$200.00/kW**, based upon nameplate project size, to be provided at contract execution. The amount of credit assurances required will be reduced to **\$100.00/kW** upon the project achieving commercial operation date and will be held until the agreement expires. Bidders under these types of structures should understand the cost of credit and bid accordingly.

Build Transfer Agreement

For all resources that involve a physical asset with appropriate step-in rights, PacifiCorp views potential credit exposure as the cost it would incur in the event the resource failed to reach commercial operation by December 31, 2026. If the failure occurred near the expected commercial operation date, PacifiCorp would also potentially have to procure energy and other environmental attributes associated with the energy in the open market at then-prevailing market prices. PacifiCorp has determined the amount of credit assurances required for these types of transactions as **\$200.00/kW**, based upon nameplate project size. The credit assurance requirement will be terminated upon the project achieving commercial operation date with proven tax credit eligibility of the appropriate resource technology.

For PPAs, BSAs, and BTAs, PacifiCorp will also explore with a bidder, if selected, other commercial avenues to reduce security requirements, such as, but not limited to, reduction in security amounts as project development milestones met, a stipulated acceleration of commercial operation date(s) (i.e., prior to October 2026) or PacifiCorp's review of bidder's underlying third party contractual terms, provisions and/or incentives that further support bidder achieving commercial operations prior to December 31, 2026.

Posting of Credit Security

Terms and conditions for the posting of security are set forth in the applicable pro-forma documents or term sheet which as noted above can be negotiated relative to milestones and amounts. If applicable, the bidder will be required to demonstrate the ability to post any required credit assurances in the form of a commitment letter from a proposed guarantor or from a financial institution that would be issuing a Letter of Credit. Forms of commitment letters are a part of this **Appendix D**.

PacifiCorp Security

Please note that PacifiCorp will not post security to support its obligations under any definitive agreement. Bidders who will require such security from PacifiCorp should not submit a proposal under this RFP.

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FORM OF GUARANTY COMMITMENT LETTER

(Must be on letterhead of bidder’s guarantor)

PacifiCorp
825 NE Multnomah Street, Suite 600
Portland, OR 97232
Attn: Credit Department

To Whom It May Concern:

[NAME OF GUARANTOR] (“Guarantor”) is [INSERT RELATIONSHIP TO BIDDER] (“Bidder”).

In connection with Bidder’s submittal in PacifiCorp’s 2022AS Request for Proposals (“RFP”), this commitment letter contains Guarantor’s assurance to PacifiCorp that, should PacifiCorp enter into a transaction with Bidder arising out of any bid submitted by Bidder in the RFP, with terms and conditions mutually acceptable to PacifiCorp and Bidder, Guarantor will at that time issue an unconditional guaranty in form and substance reasonably satisfactory to PacifiCorp, and that Guarantor will guarantee all obligations of payment and performance of Bidder to PacifiCorp as Guarantor’s independent obligation (up to a maximum amount of \$_____, plus expenses of enforcing the guaranty).

Guarantor understands that PacifiCorp will not enter into a transaction with Bidder without said guaranty. Guarantor further understands that PacifiCorp is under no obligation to enter into any transaction with Bidder, under the RFP or otherwise.

Yours truly,

(name of committing guarantor)
(name and title of authorized officer)

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FORM OF LETTER OF CREDIT COMMITMENT LETTER

(Must be on letterhead of entity(ies) providing the letter of credit on behalf of the bidder)

PacifiCorp
825 NE Multnomah Street, Suite 600
Portland, OR 97232
Attn: Credit Department

To Whom It May Concern:

In connection with Bidder’s submittal in PacifiCorp’s 2022AS Request for Proposals (“RFP”), this commitment letter contains [ISSUING BANK]’s assurance to PacifiCorp that, should PacifiCorp enter into a transaction with Bidder arising out of any bid submitted by Bidder in the RFP, with terms and conditions mutually acceptable to PacifiCorp and Bidder, [ISSUING BANK] will at that time issue an irrevocable standby letter of credit in form and substance reasonably satisfactory to PacifiCorp, up to a maximum amount of \$_____.

[ISSUING BANK] understands that PacifiCorp will not enter into a transaction with Bidder without said letter of credit. [ISSUING BANK] further understands that PacifiCorp is under no obligation to enter into any transaction with Bidder, under the RFP or otherwise.

Yours truly,

(name of entity(ies) providing the letter of credit)
(name of authorized officer)

APPENDIX E-1

PPA and Tolling Agreement Instructions to Bidders

PPA and Tolling Agreement Bid Checklist

Each bidder must provide complete information as requested and described in **Appendix B-2 Bid Proposal Instructions and Required Information**. Applicable appendices, forms and attachments are outlined in the Bid Checklist table below that are required for PPA and Tolling Agreement bid submittals.

Bidders shall summarize the key issues list as part of their **Appendix B-2 Bid Proposal Instructions and Required Information** narrative and also provide a redline to the proforma documents included in **Appendix E-2 PPA Documents** and **Appendix E-3 Tolling Agreement Documents**.

A	B	C
	2022AS RFP Bid Applicability	Bid must include completed Appendix
Appendix A	Resource Technical Specification	
<i>Appendix A-2</i>	<i>Interconnection Studies and Agreements</i>	X
<i>Appendix A-3</i>	<i>Permit-Matrix</i>	X
<i>Appendix A-5</i>	<i>Project One-Line Drawing and Layout</i>	X
<i>Appendix A-6</i>	<i>Division of Responsibility</i>	
<i>Appendix A-7</i>	<i>Owner Standards and Specification</i>	
<i>Appendix A-8</i>	<i>Real Estate Specifications</i>	
<i>Appendix A-9</i>	<i>Product Data- Equipment Supply Matrix</i>	X
<i>Appendix A-10</i>	<i>Plant Performance Guarantee/Warranties</i>	
Appendix B-1 and B-1.1	Intent to Bid Form as submitted	X
Appendix B-2	Information Required in Bid Proposal	X
Appendix C-1	Bid Summary and Pricing Input Sheet instructions	
Appendix C-2	Bid Summary and Pricing Input Sheet	X
Appendix C-3	Energy Performance Report	X
Appendix E-1	PPA and Tolling Agreement Instructions to Bidders	
Appendix E-2.1 or E2.2	Redline to PPA and exhibits, as applicable	X
Appendix E-3	Redline to Tolling Agreement, as applicable	X
Appendix F-1	BTA Instructions to bidders	
Appendix F-2	Redline to BTA Term Sheet	
Appendix G-1	Confidentiality Agreement	X
Appendix J	PacifiCorp Transmission Waiver	X
Appendix K	Operations and Maintenance Services	
Appendix L	Non-Price Scoring Matrix	X
Appendix P	Equity Questionnaire	X

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Appendix E-2

PPA Documents Including PPA Appendices

[INCLUDED AS A SEPARATE ATTACHMENT]

Appendix E-2 contains two forms of PPAs:

1. Appendix E-2.1: PPA for renewable or non-renewable (no energy storage): Renewable pertains to wind, solar and other renewables. PPA is footnoted to identify terms and conditions that would be removed to accommodate a non-renewable PPA.
2. Appendix E-2.2: PPA for collocated renewable energy generating resource with energy storage system.

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Appendix E-3

Tolling Agreement Documents

[INCLUDED AS A SEPARATE ATTACHMENT]

For the purpose of standalone storage, pumped storage hydro and other resources proposing a tolling agreement as a bid response to this RFP, PacifiCorp has included a pro-forma Tolling Agreement containing the major terms and conditions expected under a tolling arrangement.

PacifiCorp is accepting PSH bids in its 2022AS RFP due to the long-lead time for development and construction of PSH projects. While a PSH is considered a long-lead time bid with an on-line date beyond December 31, 2026, PacifiCorp suggests that a reasonable on-line date for PSH is five years from execution of a contract with the PSH which puts the expected on-line date by December 31, 2028. PSH opportunities are emerging within the footprint of PacifiCorp's system and may offer unique capacity and operating flexibility.

APPENDIX F-1

BTA Instructions to Bidders

BTA Bid Checklist

Each bidder must provide complete information as requested and described in **Appendix B-2 - Bid Proposal Instructions and Required Information**. Applicable appendices, forms and attachments are outlined in the Bid Checklist table below that are required in the BTA bid submittal.

Bidders shall summarize the key issues list as part of their **Appendix B-2 - Bid Proposal Instructions and Required Information** narrative and also provide a redline to the proforma documents included in **Appendix F-2 - BTA Documents**.

A	B	C
	2022AS RFP Bid Applicability	Bid must include completed Appendix
Appendix A	Resource Technical Specification	
<i>Appendix A-2</i>	<i>Interconnection Studies and Agreements</i>	X
<i>Appendix A-3</i>	<i>Permit-Matrix</i>	X
<i>Appendix A-5</i>	<i>Project One-Line Drawing and Layout</i>	X
<i>Appendix A-6</i>	<i>Division of Responsibility</i>	X
<i>Appendix A-7</i>	<i>Owner Standards and Specification</i>	X
<i>Appendix A-8</i>	<i>Real Estate Specifications</i>	X
<i>Appendix A-9</i>	<i>Product Data- Equipment Supply Matrix</i>	X
<i>Appendix A-10</i>	<i>Plant Performance Guarantee/Warranties</i>	X
Appendix B-1 and B-1.1	Intent to Bid Form as submitted	X
Appendix B-2	Information Required in Bid Proposal	X
Appendix C-1	Bid Summary and Pricing Input Sheet instructions	
Appendix C-2	Bid Summary and Pricing Input Sheet	X
Appendix C-3	Energy Performance Report	X
Appendix E-1	PPA Instructions to Bidders	
Appendix E-2.1 or E-2.2	Redline to PPA and exhibits	
Appendix E-3	Redline to Tolling Agreement and exhibits	
Appendix F-1	BTA Instructions to bidders	
Appendix F-2	Redline to BTA Term Sheet	X
Appendix G-1	Confidentiality Agreement	X
Appendix J	PacifiCorp Transmission Waiver	X
Appendix K	Operations and Maintenance Services	X
Appendix L	Non-Price Scoring Matrix	X
Appendix P	Equity Questionnaire	X

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APPENDIX F-2

BTA Documents

[INCLUDED AS A SEPARATE ATTACHMENT]

For the 2022AS RFP, Appendix F-2 includes a term sheet containing the major terms and conditions expected under a negotiated BTA.

APPENDIX G-1

Confidentiality Agreement

MUTUAL CONFIDENTIALITY AGREEMENT

This MUTUAL CONFIDENTIALITY AGREEMENT (this "Agreement") is entered into as of the ___ day of _____, 2022 (the "Effective Date"), by and between PacifiCorp, an Oregon corporation ("PacifiCorp"), and _____ ("Counterparty").

WHEREAS, Counterparty is submitting a bid in response to PacifiCorp's 2020AS Request for Proposals (the "Bid"), and in connection therewith the parties wish to exchange certain Confidential Information (as hereinafter defined).

NOW, THEREFORE, in consideration of the above and the mutual promises herein contained, the parties hereto agree as follows:

1. Confidential Information. "Confidential Information" means information made available by one party (the "Disclosing Party") to the other (the "Recipient") on or after the Effective Date, that is in a writing marked conspicuously as "CONFIDENTIAL," and is any of the following in relation to the Bid or PacifiCorp's evaluation of the Bid: (a) non-public financial information of the Disclosing Party or its proposed guarantor, if any, (b) the specifics of the price and business terms and conditions of the Bid; or (c) documentation exchanged between the parties pertaining to PacifiCorp's evaluation of the Bid or negotiation with Counterparty on a definitive agreement in relation to the Bid. Confidential Information does not include information which at the time of disclosure: (x) is generally available to the public (other than as a result of disclosure by Recipient), (y) was available to Recipient on a non-confidential basis from a source other than a Disclosing Party not actually known by Recipient to be under a duty of confidentiality to a Disclosing Party, or (z) independently developed by Recipient without reliance on the Confidential Information.

2. Confidentiality; Disclosure.

(a) Until the establishment of a docket or proceeding relating to the Bid before any public service commission, public utility commission, or other agency having jurisdiction over PacifiCorp, the Confidential Information will be kept confidential by Recipient and will not be used knowingly for any purpose by Recipient other than for the purpose set forth above and Recipient must restrict the dissemination of the Confidential Information to its employees who have a need to see it.

(b) Upon the establishment of a docket or proceeding relating to the Bid before any public service commission, public utility commission, or other agency having jurisdiction over PacifiCorp, Recipient's obligations to Disclosing Party with respect to the Confidential Information will automatically be governed solely by the rules and procedures governing such docket and not by this Agreement.

3. Protective Order. Except as provided in Section 2(b) of this Agreement, if Recipient becomes legally compelled to disclose any Confidential Information, it must provide Disclosing Party with

prompt prior written notice so that Disclosing Party may seek a protective order or other appropriate remedy. If such protective order or other remedy is not obtained, Recipient must (i) furnish only that portion of the Confidential Information which, in accordance with the advice of its own counsel, is legally required to be furnished, and (ii) exercise reasonable efforts to obtain assurances that confidential treatment will be accorded the Confidential Information so furnished. Notwithstanding the foregoing, and without limiting Section 2(b), the parties acknowledge that PacifiCorp is required by law or regulation to report certain information that could embody Confidential Information from time to time, and may do so from time to time without providing prior notice to Counterparty. Such reports include models, filings, and reports of PacifiCorp's net power costs, general rate case filings, power cost adjustment mechanisms, FERC-required reporting such as those made on FERC Form 1, Form 12, or Form 714, market power and market monitoring reports, annual state reports that include resources and loads, integrated resource planning reports, reports to entities such as the North American Electric Reliability Corporation, Western Electricity Coordinating Council, Pacific Northwest Utility Coordinating Committee, Western Regional Generation Information System, or similar or successor organizations, or similar or successor forms, filings, or reports, the specific names of which may vary by jurisdiction, along with supporting documentation. Additionally, in regulatory proceedings in all state and federal jurisdictions in which it does business, PacifiCorp will from time to time be required to produce Confidential Information, and may do so without prior notice and use its business judgment in its compliance with all of the foregoing and the appropriate level of confidentiality it seeks for such disclosures.

4. Conduct of Process. Neither PacifiCorp nor Counterparty is under any obligation, and each party is free to elect not to consummate an agreement or to furnish or receive information. Nothing contained in this Agreement will prevent PacifiCorp from negotiating with or entering into a definitive agreement with any other person or entity without prior notice to Counterparty. Until PacifiCorp and Counterparty enter into a definitive agreement, no contract or agreement or other investment or relationship is deemed to exist between them as a result of this Agreement, the issuance of a term sheet, the issuance, receipt, review or analysis of information, the negotiation of definitive documentation, or otherwise, and none of the foregoing may be relied upon as the basis for an implied contract or a contract by estoppel.

5. Intellectual Property Rights. Nothing contained herein grants any rights respecting any intellectual property (whether or not trademarked, copyrighted or patented) or uses thereof.

6. Costs and Expenses. Except as otherwise provided in any other written agreement between the parties, the parties will bear their own costs and expenses, including without limitation fees of counsel, accountants and other consultants and advisors.

7. Remedies. Disclosing Party is entitled to equitable relief, including injunction and specific performance, in the event of any breach hereof, in addition to all other remedies available to it at law or in equity. In no event will any party be liable to the other for punitive or consequential damages for any alleged breach hereof. No failure or delay by a party in exercising any right, power or privilege hereunder will operate as a waiver, nor will any single or partial exercise or waiver of a right, power or privilege preclude any other or further exercise thereof. TO THE FULLEST EXTENT PERMITTED BY LAW, EACH OF THE PARTIES HERETO WAIVES ANY RIGHT IT MAY HAVE TO A TRIAL BY JURY IN RESPECT OF LITIGATION DIRECTLY OR INDIRECTLY ARISING OUT OF, UNDER OR IN CONNECTION WITH THIS AGREEMENT. EACH PARTY FURTHER WAIVES ANY RIGHT TO CONSOLIDATE ANY ACTION IN WHICH A JURY TRIAL HAS BEEN WAIVED WITH ANY OTHER ACTION IN WHICH A JURY TRIAL CANNOT BE OR HAS NOT BEEN WAIVED. SUCH WAIVERS WILL SURVIVE THE EXPIRATION OR TERMINATION OF THIS AGREEMENT.

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8. Venue and Choice of Law. This Agreement is governed by the laws of the State of Oregon. Any suit, action or proceeding arising out of the subject matter hereof, or the interpretation, performance or breach hereof, will be instituted in any State or Federal Court in Multnomah County, Oregon (the "Acceptable Forums"). Each party agrees that the Acceptable Forums are convenient to it, and each party irrevocably submits to the jurisdiction of the Acceptable Forums, and waives any and all objections to jurisdiction or venue that it may have any such suit, action or proceeding.

9. Miscellaneous. The term of this Agreement is two years from the date hereof. This Agreement constitutes the entire agreement of the parties relating to its subject matter, and supersedes all prior communications, representations, or agreements, verbal or written. This Agreement may only be waived or amended in writing. Notices hereunder must be in writing and become effective when actually delivered. This Agreement may be executed in counterparts, each of which, when taken together, will constitute one and the same original instrument. Neither party may assign or otherwise transfer its rights or delegate its duties hereunder without the prior written consent of the other party, and any attempt to do so is void.

IN WITNESS WHEREOF, the undersigned parties have executed this Mutual Confidentiality Agreement as of the date first written above.

PACIFICORP
an Oregon corporation

a

By: _____
Its: _____

By: _____
Its: _____

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APPENDIX G-2

Non-Reliance Letter

825 N.E. Multnomah
Portland, Oregon 97232
(503) 813-5000

Date

[Name]
[Address]

Re: PacifiCorp's 2022AS Request for Proposals Renewable Resources

Dear [_____]:

This letter clarifies PacifiCorp's rights relating to its further evaluation and discussion of your possible involvement with _____ ("Counterparty") proposal submitted in response to PacifiCorp's Request for Proposals ("RFP") (collectively with Counterparty's proposal and all matters relating thereto, the "Project") and any subsequent negotiations regarding the terms of any agreement or agreements entered into with you or any other party in connection with the Project. PacifiCorp will agree to enter into further discussions with you only upon your prior acknowledgement of these rights. "You" and similar words (whether or not capitalized) refer to the addressee of this letter, Counterparty, and any Project development entity or other affiliate of the addressee in any way involved in the Project.

PacifiCorp is committed to following a fair process in selecting the winning proposal. However, PacifiCorp reserves the right, in its sole discretion, to terminate the consideration of the Project and any discussions with you or any other parties (such as your lenders) relating to the Project at any time and for any reason without incurring any liability for costs or expenses incurred by you in the course of, or as a result of, your participation in the bidding process or negotiations respecting the Project, including but not limited to any costs or expenses related to or arising from the preparation or submission of your proposal, your legal fees, transmission or environmental studies or reviews, expenses of any third party incurred at your behest, your participation in discussions with PacifiCorp, the Project, or any development costs incurred by you in connection with this process. The submission of a proposal by Counterparty and PacifiCorp's decision to engage in further discussions with you does not constitute acceptance of the Project, and will not obligate PacifiCorp to accept or to proceed further with the Project. The acceptance of any proposal and the commencement of the Project are contingent on a number of factors, including but not limited to financial and creditworthiness considerations, strategic decisions, resource planning, regulatory approvals, and the approval of PacifiCorp's board of directors and/or shareholders. PacifiCorp makes no representation as to the likelihood of Counterparty's proposal being accepted or of the Project being commenced and, if PacifiCorp decides not to accept Counterparty's proposal or the Project, you hereby fully and forever release and discharge PacifiCorp of all liability whatsoever, whether arising from your alleged reliance on PacifiCorp's acceptance of the Project or any part thereof or whether based upon any

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other action or claim in tort, contract, promissory estoppel, equity, negligence or intentional conduct, and PacifiCorp will not be liable for any amount of liability or damages, including but not limited to any amounts for incidental, special, consequential or punitive damages.

PacifiCorp reserves the right to engage in discussions with multiple parties simultaneously with respect to this RFP or any other matter, and to accept or reject any type of proposal of any party in its sole discretion. PacifiCorp also reserves the rights to reject all proposals relating to this RFP, and to pursue any other course it deems appropriate.

PacifiCorp will have no obligations to you with respect to the Project unless and until the execution by all applicable parties of one or more definitive written agreements (the "Definitive Agreements") in form and substance satisfactory to the parties entering into such Definitive Agreements and then only to the extent stated therein. No contract will nor will be deemed to exist, whether by estoppel or otherwise, in any other way than execution and delivery (if ever) of the Definitive Agreements. The execution (if any) of any Definitive Agreements would be subject, among other things, to the satisfactory completion of due diligence by such parties as well as the satisfaction of applicable financial, environmental and other regulatory requirements as determined by PacifiCorp. If PacifiCorp selects the Project, then except as specifically set forth in the Definitive Agreements, PacifiCorp will have no obligations to you in the event that the Project or any part thereof is discontinued, cancelled, stopped, or terminated for any reason whatsoever, including without limitation financial or creditworthiness considerations concerning you or any contemplated source of Project-related funds, third-party delay or failure (with PacifiCorp's transmission function constituting a third party for purposes hereof), regulatory restrictions, transmission infrastructure restrictions, environmental or community challenges, or the Project is embargoed, restrained, subject to labor strike or lockout, destroyed, subject to terrorist attack or any other force beyond your control, is incapable of receiving required electricity transmission or network service, or is otherwise rendered impossible to complete by the times set forth in the Definitive Agreements for any other reason, whether your fault or not.

Whether or not the Project is commenced and Definitive Agreements executed, you will be responsible to pay your own fees and expenses, including without limitation legal fees and expenses, incurred in connection with the preparation, discussion and negotiation of the Project as well as the preparation, negotiation, execution and delivery of the Definitive Agreements and any other agreements or documents contemplated thereby, and PacifiCorp will not be responsible for any of those fees and expenses.

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If the foregoing is acceptable, please indicate so by executing and dating this letter in the space indicated below.

Sincerely,

PacifiCorp

By: _____

Name: _____

Title: _____

Date: _____

ACCEPTED AND AGREED:

[Insert Name of Party]

By: _____

Name: _____

Title: _____

Date: _____

APPENDIX H-1

2021 PacifiCorp IRP Preferred Portfolio Transmission Upgrade Selections

P02-MM-CETA: 2015-2028

Year	Resource(s)	From	To	Description
2025	1,641 MW RFP Wind (2025)	Aeolus WY	Clover	Enables 1,930 MW of interconnection with 1700 MW of TTC: Energy Gateway South
2026	615 MW Wind (2026)	Within Willamette Valley OR Transmission Area		Enables 615 MW of interconnection: Albany OR area reinforcement
2026	130 MW Wind (2026)	Portland North Coast	Willamette Valley	Enables 2080 MW of interconnection with 1950 MW TTC; Portland Coast area reinforcement, Willamette Valley and Southern Oregon
	450 MW Wind (2032)		Southern Oregon	
	650 MW Battery (2037)			
2026	600 MW Solar+Storage (2026)	Borah-Populous	Hemingway	Enables 600 MW of interconnection with 600 MW of TTC: B2H Boardman-Hemingway
2028	41 MW Solar+Storage (2028) 377 MW Solar+Storage (2030)	Within Southern OR Transmission Area		Enables 460 MW of interconnection: Medford area reinforcement
2030	160 MW Solar+Wind+Storage (2030) 20 MW Solar+Storage (2030)	Yakima WA Transmission Area		Enables 180 MW of interconnection: Yakima local area reinforcement

APPENDIX H-2

2021 PacifiCorp IRP Preferred Portfolio Proxy Resource Selections

Project Name	Bidder/Owner	Type	Location	Resource Size (MW)	Battery Size (MW)	Expected Online
Portland/N. Coast	TBD	Wind	NW Oregon	130	n/a	2025
Willamette	TBD	Wind	NW Oregon	615	n/a	2025
Borah Hemingway	TBD	Solar with Battery	Idaho	600	600	2025

APPENDIX H-3

Transmission Summary of OASIS Queue Positions

[INCLUDED AS A SEPARATE ELECTRONIC SPREASHEET (EXCEL FILE)]

Appendix H-3 is an excel spreadsheet which includes four tabs showing each of the following OASIS reports at the time of RFP issuance and are subject to change:

1. Active Serial Queue Positions
2. Executed Interconnection Agreements – Not in Service
3. Transition Cluster Study
4. First Annual Cluster Study (Cluster Study 1)

APPENDIX I

Standards of Conduct; Separation of Functions

As a vertically-integrated utility with both transmission provider and merchant functions, PacifiCorp is required to comply with FERC's Standards of Conduct which govern interactions between PacifiCorp's Transmission Function and its Marketing Function. Under the Standards of Conduct, PacifiCorp's Transmission Function employees must function independently of PacifiCorp's Marketing Function employees. Marketing Function employees cannot have access to transmission control center or other transmission facilities or information systems that differ in any way from the access provided to non-affiliated transmission customers. The Standards of Conduct prohibit Marketing Function employees from gaining access to any information about PacifiCorp's transmission system that is not posted on the OASIS or otherwise made publicly-available to all other market participants.

Under the Standards of Conduct, FERC will allow certain non-operating employees to be shared between the Transmission Function and Marketing Function. Under FERC's "no-conduit rule", shared employees may receive confidential transmission system or marketing information, but they are prohibited from sharing such information with Marketing Function employees through any non-public or off-OASIS communications.

Market Function Employees

PacifiCorp has identified employees in the following business groups as Marketing Function employees of PacifiCorp:

Energy Supply Management

Energy Trading

Origination

Transmission Function Employees

PacifiCorp's Transmission Function includes: employees, contractors, consultants or agents of PacifiCorp who conducts transmission system operations or reliability functions, including, but not limited to, those who are engaged in day-to-day duties and responsibilities for planning, directing, or carrying out transmission-related operations.

Shared Employees

PacifiCorp has identified Integrated Resource Planning, Resource Development, Structuring and Pricing, Contract Administration, Environmental, Credit, Legal and Risk Management as shared employee functions under FERC's Standards of Conduct.

Information Status

PacifiCorp's Marketing Function employees will not be involved in a Bidder's transmission or interconnection requests with PacifiCorp's Transmission Function, nor will such Marketing Function employees be permitted access to non-public transmission function information. All PacifiCorp employees at all times abide by FERC's Standards of Conduct. If an issue arises about compliance with FERC's Standards of Conduct, PacifiCorp's FERC Standards of Conduct Compliance Officer, Colt Norrish at 503-813-5545, should be contacted immediately.

APPENDIX J

PacifiCorp Transmission Waiver

SELLER AUTHORIZATION TO RELEASE GENERATION DATA TO PACIFICORP

[Interconnection Customer Letterhead]

Transmission Services
Attn: Director, Transmission Services
825 NE Multnomah, Suite 1600
Portland, OR 97232

RE: _____ Interconnection Request: Interconnection Position # _____

Dear Director:

_____ hereby voluntarily authorizes PacifiCorp's Transmission business unit to share _____'s generator interconnection information and generator meter data with marketing function employees of PacifiCorp, including, but not limited to those in the energy supply management group. _____ acknowledges that PacifiCorp did not provide it any preferences, either operational or rate-related, in exchange for this voluntary consent.

Name

Title

Date

APPENDIX K

Operations and Maintenance Services

[TO COME; AS SEPARATE ATTACHMENTS]

BTA bids only. Not required for PPA bids.

APPENDIX L
Non-Price Scoring Matrix

[INCLUDED AS A SEPARATE ELECTRONIC SPREADSHEET (EXCEL FILE)]

All bidders are required to complete and self-score **Appendix L – Non-Price Scoring Matrix**. PacifiCorp will complete due diligence, audit and evaluate bidder's responses.

APPENDIX M

Role of the Independent Evaluator

1. The general role and function of the Independent Evaluators (“IE”) are outlined as follows. A more detailed description of the IE’s role and function are included in the competitive bidding rules for Oregon, the Significant Energy Procurement rules for Utah and the Procurement of Energy rules for Washington.⁹
2. The Independent Evaluator will facilitate and monitor communications between PacifiCorp and bidders.
3. Because the PLEXOS portfolio optimization tool is a proprietary model, PacifiCorp is not able to provide the IE with full access; however, PacifiCorp will provide the IE with the Bid Preparation excel file prior to input into PLEXOS, and all other inputs and assumptions in order for the IE to analyze, and validate all important modeling assumptions and inputs utilized by PacifiCorp to perform its portfolio selection, price scoring and ranking of market and benchmark bids. PacifiCorp will similarly provide the IE with any additional assumptions and inputs used in the sensitivity analyses.
4. Receive market bid responses.
5. Provide input to PacifiCorp on:
 - a. the development of screening and evaluation criteria, ranking factors and evaluation methodologies that are reasonably designed to ensure that the solicitation process is fair, reasonable and in the public interest in preparing a solicitation and in evaluating market bids;
 - b. the development of initial screening and evaluation criteria that take into consideration the assumptions included in the PacifiCorp’s most recent IRP, any recently filed IRP Update, any Commission order on the IRP or IRP Update;
 - c. whether a bidder has met the criteria specified in any bidding process and whether to reject or accept non-conforming bid responses;
 - d. whether and when data and information should be distributed to bidders when it is necessary to facilitate a fair and reasonable competitive bidding process or has been reasonably requested by bidders;
 - e. whether to reject non-conforming bids for any reason or accept conforming changes; and
 - f. whether to return bid fees.
6. Ensure that all bids are treated in a fair and non-discriminatory manner.
7. Monitor, observe, validate and offer feedback to PacifiCorp and the Washington, Utah and Oregon Commissions on all aspects of the solicitation and solicitation process, including:
 - a. content of the solicitation;
 - b. evaluation and ranking of bid responses;
 - c. creation of a short list(s) of bidders for more detailed analysis and negotiation;
 - d. post-bid discussions and negotiations with, and evaluations of, shortlisted bidders; and
 - e. negotiation of proposed contracts with successful bidders.
8. Once the competing bids have been evaluated by PacifiCorp and the IEs, PacifiCorp and the IE will

⁹ Public Utility Commission of Oregon Docket AR 600, In the Matter of Rulemaking Regarding Allowances for Diverse Ownership of Renewable Energy Resources, Order 18-324, August 30, 2018 and Utah Admin. Code R746-420.

compare results.

9. Offer feedback to PacifiCorp on possible adjustments to the scope or nature of the solicitation or requested resources in light of bid responses received.
10. Solicit additional information on bids necessary for screening and evaluation purposes.
11. Advise the Commissions at all stages of the process of any unresolved disputes or other issues or concerns that could affect the integrity or outcome of the solicitation process.
12. Analyze and attempt to mediate disputes that arise in the solicitation process with PacifiCorp and/or bidders, and present recommendations for resolution of unresolved disputes to the Commissions.
13. Participate in and testify at Commission hearings on approval of the Solicitation and Solicitation Process and/or acknowledgement of the final shortlist.
14. Coordinate as appropriate and as directed by the Commissions with staff or evaluators designated by regulatory authorities from other states served by PacifiCorp.
15. The IEs shall always be included in communications involving PacifiCorp and the bidders as described in Appendix N - PacifiCorp's Organization for RFP Process.
16. The IEs shall prepare reports as defined under Washington, Oregon and Utah rules and provide them to the Commissions and PacifiCorp. The final reports shall be provided as soon as possible following the completion of the solicitation process. Final reports shall include analyses of the solicitation, the solicitation process, the PacifiCorp's evaluation and selection of bids and resources, the final results and whether the selected resources are in the public interest.

APPENDIX N

PacifiCorp's Organization for RFP Process

As part of the RFP process, PacifiCorp will commit to abide by a self-imposed code of conduct which will govern PacifiCorp's intra-company business relationships in order to ensure a fair and unbiased RFP evaluation and selection process. PacifiCorp has identified employees who will be responsible for the evaluation of the bids and employees who will be responsible for the development of any company benchmark resources. These employees and teams are also defined and described in Section 3.E of the 2022AS RFP. The evaluation and benchmark team will have separate responsibilities and be required to adhere to the self-imposed code of conduct to ensure a fair and unbiased RFP evaluation and selection process.

Bidders will provide an Intent to Bid Form that will not be blinded. The evaluation team and the benchmark team will comply with this code of conduct during the RFP evaluation process.

No members of the evaluation team will have contact or 2022AS RFP-related communication with any market or benchmark bidder regarding their bid unless the IEs are included. If any bidder attempts to contact a member of the evaluation team, the evaluation team will only respond if the IEs are included.

EVALUATION TEAM

Market and benchmark bid evaluations will be led and coordinated by the originators and power marketers of the Valuation and Commercial Business Group. The evaluation team will gather and coordinate inputs from employees in several PacifiCorp departments, including shared resources. Several work groups, including the portfolio optimization modeling team (IRP team), the credit, engineering, compliance, permitting and safety, and structure and pricing teams, will be treated as a shared resource to perform work for the evaluation team. The shared work group members will not share any information they obtain from the Evaluation Team with the Benchmark Team.

The roles and responsibilities of the members of the evaluation team are set forth below.

Individual Members and Titles: To be submitted to the IEs upon issuance of the RFP and updated if there are any changes.

Information Status: No members of the evaluation team will have 2022AS RFP-related contact or communication with any bidder unless the IE is included.

1. Evaluation Team – Origination, Power Marketing and Commercial Business

Roles: Members of the evaluation team will be responsible for overall coordination of the 2022AS RFP process, including bid process management for all proposals. Origination will have responsibility to coordinate with the IEs and employees in shared work groups responsible for evaluating certain bid criteria such as credit, engineering inputs, etc. Bidders will self-score their bids using the non-price scorecard, and evaluation team members will perform a validation and confirmation of the non-price score. The evaluation team will coordinate with members of the structuring and pricing and resource planning team to prepare bid inputs for Plexos and complete portfolio optimization modeling and price scoring. The evaluation team will work with members of the structure and pricing and resource planning teams to rank bids and recommend a final shortlist.

Individual Members and Titles: To be submitted to the IEs upon issuance of the RFP and updated if there are any changes.

Information Status: No members of the evaluation team will have 2022AS RFP-related contact or communication with any market or benchmark bidder related to their proposal unless the IE is included.

2. Structuring and Pricing

Roles: Members of PacifiCorp's structuring and pricing group will be responsible for validating the bid and benchmark inputs, preparing bid inputs for the portfolio optimization models and combining the price and non-price score to support the final shortlist determination.

Individual Members and Titles: To be submitted to the IEs upon issuance of the RFP and updated if there are any changes.

Information Status: No members of the evaluation team will have 2022AS RFP-related contact or communication with any market or benchmark bidder related to their proposal unless the evaluation team and the IEs are included.

3. Resource Planning

Roles: Members of PacifiCorp's IRP team will be responsible for the portfolio optimization and production cost modeling required to develop price scoring, portfolio optimization recommendations and the final shortlist.

Individual Members and Titles: To be submitted to the IEs upon issuance of the RFP and updated if there are any changes.

Information Status: No members of the resource planning team will have 2022AS RFP-related contact or communication with any market or benchmark bidder related to their proposal unless the evaluation team and the IEs are included.

4. Legal

Roles: Legal will be responsible for providing legal support to the various company functions, including supporting the Evaluation Team in reviewing contract redlines from bidders..

Individual Members and Titles: To be submitted to the IEs upon issuance of the RFP and updated if there are any changes.

5. Regulatory

Roles: Regulatory will be responsible for providing regulatory guidance and filings throughout the entire RFP process.

Individual Members and Titles: To be submitted to the IEs upon issuance of the RFP and updated if there are any changes.

6. Credit

Roles: Credit will be responsible for credit screening, evaluation and monitoring credit provisions throughout the entire RFP process.

Individual Members and Titles: To be submitted to the IEs upon issuance of the RFP and updated if there are any changes.

7. Benchmark Team - Project Development

Roles: Project Development will be responsible for developing and submitting benchmark bids. Benchmark team members will have no communications with evaluation team members during the RFP process related to the benchmark or market bids without the oversight of the IEs.

Individual Members and Titles: To be submitted to the IEs upon issuance of the RFP and updated if there are any changes.

Information Status: No members of the benchmark team will have 2022AS RFP-related contact or communication with any market bidder related to their proposal.

8. Engineering

Roles: Engineering will be responsible for providing engineering guidance, reviews of and general support related to proposal design, equipment capability, capacity factors, and other specifications throughout the entire RFP process and will provide interface with the independent engineers hired to evaluate the proposal resource assessments.

Individual Members and Titles: To be submitted to the IEs upon issuance of the RFP and updated if there are any changes.

9. Compliance, Permitting and Safety

Roles: Compliance, permitting and safety will be responsible for providing guidance, reviews and general support related to critical issues analyses, permitting, environmental, fish, wildlife, cultural, environmental, safety and other due diligence criteria throughout the entire RFP process.

Individual Members and Titles: To be submitted to the IEs upon issuance of the RFP and updated if there are any changes.

APPENDIX O

PacifiCorp’s Company Alternative (Benchmark Resources)

Proposed 2022AS RFP Company Benchmark Resources

- PacifiCorp intends to submit up to [thirty-one (31)] individual Benchmark Resources.
- These will be new greenfield resources that will be constructed across PacifiCorp’s transmission system.
- Such be built on property either currently owned or leased by PacifiCorp, or on property that PacifiCorp will acquire rights to develop.
- Prospective Benchmark Resource sizes and tie-in locations as shown below:

Size (MW)	Technologies	Benchmark Option	Location (POI)	State
80	Wind	Market	BPA: Schultz Switchyard	Washington
100	Solar	Market	Grandview 115kV Substation	Washington
120	Wind	Market	Whitney 138kV Tap	Wyoming
150	Wind	Market	Colstrip Substation	Montana
150	Storage	Market	Troutdale Substation	Oregon
199	Solar	Market	Diamond Hill Substation	Oregon
199	Solar	Market	Fry Substation	Oregon
199	Solar	Market	Black Rock Substation	Utah
200	Solar	Market	Yamsay - Klamath 230kV Tap	Oregon
200	Storage	Market	Clover Substation	Utah
200	Storage	Market	Mercer Substation	Utah
200	Solar	Market	Mercer Substation	Utah
302	Solar	Market	Clover 345kV Substation	Utah
330	Wind	Market	IPC: Boise Bench-Midpoint #2 230kV	Idaho
400	Solar	Market	Summer Lake - Burns 500kV Tap	Oregon
600	Wind	Market	Midpoint Substation	Idaho
600	Solar	Market	Borah Substation	Idaho
800	Wind	Market	Rogerson Substation	Idaho
30	Solar	Owned	Gunnison-Sigurd #1 Tap	Utah
35	Solar	Owned	Ponderosa Substation	Oregon
50	Solar	Owned	Tooele - Horseshoe 46kV Tap	Utah
80	Solar	Owned	Bar Nunn Substation	Wyoming
100	Wind	Owned	Evanston-Anschutz Tap	Utah
119	Solar	Owned	Windstar Substation	Wyoming
160	Solar	Owned	Casper Substation	Wyoming
178	Solar	Owned	Emery Substation	Utah
200	Storage	Owned	Aeolus Substation	Wyoming

200	Storage	Owned	Anticline Substation	Wyoming
200	Storage	Owned	Mona Substation	Utah
200	Storage	Owned	Snow Goose Substation	Oregon
266	Solar	Owned	Shirley Basin Substation	Wyoming

- PacifiCorp will administer a competitive supply solicitation(s), on a case-by-case basis, for the wind turbines, solar panels, and battery systems required for all Owned Benchmark Resources. Procurement of equipment for Market Benchmark Resources will be conducted by third-party developers in coordination with PacifiCorp.
- PacifiCorp will administer a separate competitive solicitation(s) to secure firm fixed pricing to engineer-procure-construct and commission the balance of plant for Owned Benchmark Resources. Agreements with contractors for engineering, procurement, construction, and commissioning for Market Benchmark Resources will be conducted by third-party developers in coordination with PacifiCorp.
- All projects are expected to be able to be placed in service no later than December 31, 2026.
- All solar projects noted above may include a battery storage component up to 100% of the nameplate capacity of the solar project.
- Project efficiencies will be evaluated in coordination with experienced third-party engineers for Owned Benchmark Resources, and by third-party developers for Market Benchmark Resources in coordination with PacifiCorp.
- Transmission requirements, operating requirements, and dispatch requirements for Benchmark Resources will be evaluated pursuant to applicable Large Generator Interconnection Agreements and necessary Transmission Service Agreements for each resource.
- The Benchmark Resources will be constructed in compliance with PacifiCorp's specifications and technical standards.
- The Benchmark Resources will also include an operations and maintenance (O&M) building at each site or an addition to an existing PacifiCorp O&M facility.
- Benchmark Resources will include the following pro-forma estimates for operations, maintenance and on-going capital expenditures:
 - Wind: 30 years
 - Solar & Solar plus Battery: 25 years
 - Battery: 25 years
- The Benchmark Resources costs will include allocated development costs, fees, permitting, project management and equipment costs.

APPENDIX P

Equity Questionnaire

All bidders are required to complete **Tab 1 Required Equity Questionnaire**. Washington bidders are required to also complete **Tab 2 WA Resource Questions**. California bidders are required to also complete **Tab 3 CA Resource Questions**.

[INCLUDED AS A SEPARATE ELECTRONIC SPREADSHEET (EXCEL FILE)]

APPENDIX Q

2021 Demand Response RFP – Requirements for Demand-side Bids

[INCLUDED AS SEPARATE ATTACHMENTS]

The 2021 Demand Response RFP was issued on February 21, 2021 and included the following Exhibit and Appendices, which have been incorporated into the 2022AS RFP and will be used to receive and evaluate demand-side bids:

Appendix Q-1	Professional Services Contract
Appendix Q-1.01	Contract Exhibit A - Scope of Work and 2021 Demand Response RFP
Appendix Q-1.02	Contract Exhibit B - Pricing and Performance Template
Appendix Q-1.03	Contract Appendix B - Demand Side Tech Requirements
Appendix Q-1.04	Contract Exhibit C - Form of Acceptable Letter of Credit
Appendix Q-1.05	Contract Exhibit D - Form of Purchase Order
Appendix Q-1.06	Contract Exhibit E - Statutory Form of Lien and Claim Release California Work
Appendix Q-1.07	Contract Exhibit F - Contractor Health Safety and Environmental Requirements
Appendix Q-1.08	Contract Exhibit G - Expense Report Requirements for PacifiCorp Contractors
Appendix Q-1.09	Contract Exhibit H - Diversity Subcontractor Spend Report
Appendix Q-1.10	Contract Exhibit I - Prohibited Vendors
Appendix Q-1.11	Contract Appendix 1 Contractor Vendor Information Form

Demand-side resource bidders shall provide a redline or issues/exceptions list to the **Appendix Q Professional Services Contract** as well as the **Appendix Q-1.01 Scope of Work and 2021 Demand Response RFP**.

Demand-side bidders shall complete the **Appendix Q-1.02 Pricing and Performance** Table excel workbook.

In addition to the requirements contained in Appendix Q – Appendix Q-1.11, all demand-side resource bidders are required to provide, as applicable:

- Appendix A-1 Interconnection Studies and Agreements¹⁰
- Appendix A-3 Permitting Matrix
- Appendix A-5 Project Single-Line Drawing and Layouts¹¹
- Appendix A-9 Equipment Supply Matrix
- Appendix C-2 Bid Summary and Pricing Input Sheet¹²

¹⁰ Complete as applicable to capture additional information, pricing, etc. specific to demand-side distributed resource bids

¹¹ Complete as applicable to capture additional information, pricing, etc. specific to demand-side distributed resource bids

¹² Complete as applicable to capture additional information, pricing, etc. specific to demand-side distributed resource bids

Required of demand-side bidders (continued):

- Appendix C-3 Energy Performance Report¹³
- Appendix E-2, E-3 or F-2 PPA, Tolling or BTA Documents¹⁴
- Appendix G-1 Confidentiality Agreement
- Appendix L Non-Price Scoring Matrix

All demand-side bidders are also requested to provide:

- Appendix B-1 Executed Notice of Intent to Bid and Appendix B-1.1 NOI Excel Spreadsheet
- Appendix J PacifiCorp Transmission Waiver, as applicable
- Appendix P Equity Questionnaire

¹³ Complete as applicable to capture additional information, pricing, etc. specific to demand-side distributed resource bids

¹⁴ Complete as applicable to capture additional information, pricing, etc. specific to demand-side distributed resource bids

APPENDIX Q-1

Professional Services Contract

[INCLUDED AS A SEPARATE ATTACHMENT]