

Attachment IV

Tri-State 2014 Renewable Energy Supply RFP

Bidder Response Forms

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Form 1
Bidder Contact Information

Corporate Name _____

Corporate Address _____

Parent's Corporate Name _____

Parent's Corporate Address _____

Legally Authorized Representative:

Name _____

Title _____

Phone _____

E-mail _____

Signature _____

Primary Contact:

Name _____

Title _____

Phone _____

E-mail _____

Signature _____

**Form 2
Firm Offer**

The undersigned submits this proposal as a firm offer and hereby gives assurance that the proposal will remain open, and not be revocable through April 15, 2015.

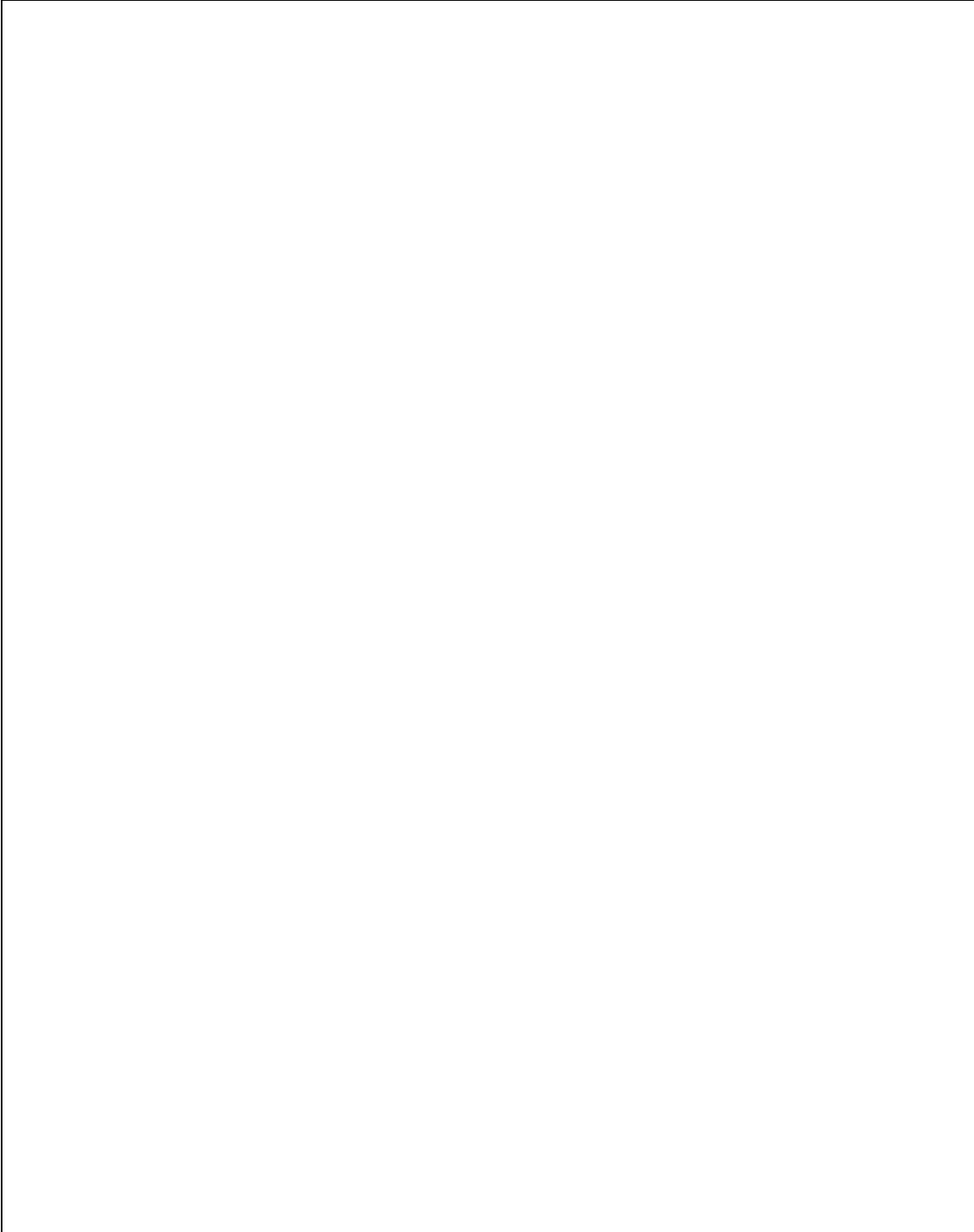
Name of Bidding Company: _____

Authorized Signature: _____

Date Proposal Submitted: _____

Form 3
Executive Summary

Please provide a one page summary of the proposal below:

A large, empty rectangular box with a thin black border, intended for the respondent to provide a one-page summary of their proposal. The box occupies most of the page below the instruction.

**Form 4
Project Characteristics**

1. Name of Bidding Company

Developer Electric Utility Broker/Marketer IPP

Other

If Other, please specify: _____

2. Proposal / Contract Type

PPA Ownership of generating facility

Ownership of generating site (includes generating facility) Other

If Other, please specify: _____

3. Term

Start Date _____ End Date _____

Termination Option? Yes No

If Yes, please describe: _____

4. PPA Renewal and Purchase Options (if applicable)

(a) Renewal Options Yes No

If yes, please describe:

(b) Purchase Options Yes No

If yes, please describe:

5. Resource Type

Wind Solar Geothermal Biomass
Small Hydro Recycled Energy Other

If Other, please specify: _____

6. Product Type

Baseload Dispatchable As Available (Intermittent) Other

If Other, please specify: _____

7. Project Size

Nameplate Capacity (MW) _____
Projected Annual Energy (MWh) _____
Projected Capacity Factor (%) _____

8. Delivery Points

Price quoted in this bid reflects delivery to the following points of delivery:

Tri State PODs Please specify _____
 WAPA PODs Please specify _____
 PSCo PODs Please specify _____
 PNM PODs Please specify _____
 Other _____

9. Development/Resource Acquisition Status (please check one)

Additional development detail is requested in Form 5.

Existing Project Under Development Proposed Development

10. Scheduling / Forecasting

Please describe scheduling and forecasting arrangements for this resource. Include day ahead and hour ahead scheduling notifications (if applicable). Include forecasting capabilities and performance guarantees.

11. Fuel (if applicable)

(a) Please list primary and secondary fuel types of this resource

(b) Please describe fuel delivery logistics and storage

12. Subsidies

Discuss subsidies, grants, special tax treatment or credits provided for development or operation of this resource and describe the extent to which these are included in bid pricing. Bidders must explicitly identify the impacts to the project if the subsidies are not received or expire.

13. Guarantees

Discuss guarantees (i.e, for in-service dates, reliability, guaranteed energy annual energy production and availability) and remedies for non-performance of such guarantees.

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14. Operating Data

(a) unit/facility data (complete as applicable)

	Net Load Level (MW)	Net Heat Rate (Btu/kWh HHW)	
		At 32°F	At 95°F
Minimum load			
Intermediate load			
Full load			
Emergency			

(b) operating parameters (complete as applicable)

Minimum Run Time per Dispatch		Hours
Minimum Down Time		Hours
Expected Force Outage Rate or Availability		%
Ramp Rate		MW/ minute
Start Up Time from Cold Start		Minutes
Start Up Time from Hot Start		Minutes
Automatic Generation Control (AGC) capable?		Yes or No
Minimum sustained operating level (MW) of the facility		MW

15. Ancillary Services

The party supplying ancillary services is: Bidder Tri-State Other

Is metering, telemetering, and/or communications equipment necessary for the above services:

Yes No

The following equipment is needed:

The cost of ancillary services is included in capacity and/or energy pricing (Form 9):

Yes No

If Yes, please check the included generation services:

- Scheduling, System Control and Dispatch Services
- Reactive Supply and Voltage Control
- Regulation and Frequency Response Service
- Operating Reserve – Spinning Reserve Service
- Operating Reserve – Supplemental Reserve Service (10 minute loading requirement)

Please provide additional comments concerning ancillary services, if necessary:

Is the cost of the above metering, telemetering, and communications equipment included in capacity charge?

Yes No

If no, please provide the estimated cost of such equipment:

16. Operations and Maintenance

Please describe the operations and maintenance plan of the project including planned outage schedules, plans to ensure availability of spare parts and equipment, and personnel responsible for key O&M activities.

17. Shaping and Firming

(a) Provide details of any offers or agreements for services that would enable the project to delivery power to Tri-State pursuant to a fixed preschedule that is independent of the instantaneous output of the project (firming).

(b) Provide details of any offers or agreements for services that would enable the project to better shape its output to match the load characteristics of Tri-State’s member load (shaping).

Form 5 Development and Siting Status

Bidders shall provide a thorough description of the development status of its proposed project on a separate sheet labeled as Form 5. Information provided should include status of the following:

- Site, Zoning and Construction Permitting
Include the size of project (acres) and any zoning restrictions that would impact development or use of facility
- Environmental Assessments and Studies
- Emissions and Environmental Permitting
- Regulatory and Governmental approvals
- Engineering and Design activities
- Resource Acquisitions (i.e., land, equipment such as wind turbines or solar troughs, fuel supply, waste disposal arrangements, etc.). **Proof of equipment supply is viewed favorably.**
- Construction Status
- Project Schedule and Milestones
Include construction start through commercial operation date

**Form 6
Capacity and Energy Profile**

Please complete the capacity and energy tables below by filling in the appropriate years in the column on the far left. Attach additional pages as necessary depending on length of proposal. If proposals are energy only, complete only the energy fields in the tables below. The 8760 hourly energy profile should be representative of the expected long-term behavior of the project and therefore be consistent with the 12x24 matrix.

CAPACITY PROFILE (MW)

year	Jan	Feb	Mar	Apr	May	Jun	July	Aug	Sept	Oct	Nov	Dec

ENERGY PROFILE by Month (MWh)

year	Jan	Feb	Mar	Apr	May	Jun	July	Aug	Sept	Oct	Nov	Dec

ENERGY PROFILE by Hour (MWh)

Month	HE 1	HE 2	HE 3	HE 4	HE 5	HE 6	HE 7	HE 8	HE 9	HE 10	HE 11	HE 12	HE 13	HE 14	HE 15	HE 16	HE 17	HE 18	HE 19	HE 20	HE 21	HE 22	HE 23	HE 24
Jan																								
Feb																								
Mar																								
Apr																								
May																								
Jun																								
July																								
Aug																								
Sept																								
Oct																								
Nov																								
Dec																								

HE = Hour Ending

Form 7

Technical Description and Data Needed by Resource Type

Bidders shall complete this section to provide assurance to Tri-State that the project will be able to meet its projected production estimates for the duration of the project life. Please provide responses on a separate page and label as Form 7:

Wind Energy Resources

For proposals that include wind energy resources, the bidder shall provide a correlation of the long term wind speed data in the region to the collected resource data at the proposed or existing project site. Please include a general plot plan showing site location, turbine positions, IEC wind class, annual wind production average capacity factor, minimum operating temperature, proposed wind turbine power curve data, nameplate ratings, and manufacturers of proposed turbine equipment. Wind data provided should also include projections by month and hourly patterns to the extent the data is available. Forecasting information should include projections or guarantees of forecasting accuracy as a function of time to delivery. Please include any turbine blade shadowing studies for light and radio wave impacts, any avian (bird or bat) impact studies performed for the project site and confirmation that the site does not conflict with any training area requirements of the US armed services. Bidder should also include any droop response for wind generation. If firming is provided for the wind resource, similar information must be provided for the source of the firming generation.

Solar Energy Resources

Please describe the proposed solar generation equipment specifications including brand, model, nameplate ratings, size, and capabilities, the performance history of turbines, generators, mirrors, lenses, thermal collectors, thermal storage, heat driven engines, modules, inverters, and tracking equipment (if used), and all UL and IEEE equipment compliance information. Water consumption requirements should be included, as well as heat rate numbers for any thermal solar generation using a fueled system for generation firming. All energy storage devices should be identified. Provide a guaranteed minimum output performance level on an annual basis and detail the design of the specific proposed solar generation system including array configuration, overall system efficiency and total energy output. Please also include a general plot plan showing site location, equipment positions, pertinent meteorological data, annual solar energy production, average capacity factor, proposed solar generator power curve data, and droop response for solar generation. If firming is provided for the solar resource, similar information must be provided for the source of the firming generation.

Biomass or Biogas Resources

For proposals that include resources that use a combustion or digester process (such as biomass, biogas or other renewable waste product), the bidder shall provide information describing applicable gas quality, fuel types, fuel sources, fuel contracts, fuel procurement/transportation plans, fuel price risk and availability risk issues. Proposals involving combustion type resources shall also include combustion process by-product emission rates, including SO_x, NO_x, CO₂, methane, nitrous oxide, CFCs, HCFCs, heavy metals, halides, unburned hydrocarbons and other emissions in gaseous or liquid form, dissolved in another liquid or mixed with a solid for offsite disposal. Describe the quantity and type of all environmental permits for air and water compliance required to develop the project, and if such permits and approvals are not already in the bidder's possession, provide information regarding the plan to

acquire such permits and associated approvals. Proposals should also include gas production forecast for resources identified, including decay rate of gas production from landfill or digester processes for closed or active sources, and forecast for future sources planned.

Geothermal Resources

Please provide a summary of all collected geothermal data for the proposed or existing site and characterize the geothermal resource quality, quantity and proposed production levels. Describe land lease and rights issues and describe and test drilling performed (if applicable). Provide a table or graph that illustrates the annual and monthly projection of geothermal resources.

Small Hydro Resources

If small hydro, provide a description and map of the project area and any information about the project's water rights and any ongoing or anticipated disputes, legal challenges or regulations affecting those water rights. Identify if the project is run-of-river or has storage/pondage capability. Identify the volume of the storage and any hourly, daily or seasonal restrictions to the use of the storage for power production. Provide an estimate of the average firm generation expected over the life of the project. Identify anticipated generation by month during an average water year and a low water year. Provide monthly flow duration curves based upon daily stream flow records.

Other Renewable Resource

Provide a description of the fuel source and identify its thermal (heat content), delivery and storage characteristics. Provide an estimate of the average generation expected from the fuel source over the life of the project. Describe the methodology and the in house or consulting expertise used to arrive at the generation estimates.

Form 8
Description of Pricing Methodology

Please describe the pricing mechanism for your proposal in the space below. A table to list prices is contained in Form 9, however, Tri-State is interested in the methodology used by all bidders to ensure pricing includes all applicable charges. Examples of items to discuss are: demand (if applicable) charges versus energy charges. Are there start up charges, or start-up fuel costs? If there is a separate demand component, describe the methodology for calculating the KW billing demand determinant. Is pricing fixed or subject to change? Is pricing dependent upon certain subsidies or credits? How is the transmission charge component calculated?

**Form 9
Pricing Information**

Please complete the table below and identify all pricing information related to this bid. Attach additional pages as needed.

Price Categories	Year					
	Ex. 2015	Ex. 2016				
CAPACITY (MW)						
Capacity Charges (\$/kw-month)						
Transmission Charges (\$/kw-month)						
Other						
Total Annual Capacity Payments (\$000)						
ENERGY (MWh)						
Energy Charge (\$/MWh)						
Start Up Charge (\$/MWh or \$/startup)						
Other						
Total Energy Charge (\$/MWh)						

Form 10
Transmission and Interconnection

1. Have you submitted an interconnection request to the transmission provider at the project's proposed point of interconnection?

Yes No

Please indicate the transmission provider for which you have applied for interconnection and describe the timing and status of the application and results:

2. Transmission required to deliver power to Tri-State is owned by:

Tri-State Third Party Bidder

The Third Party(ies) supplying transmission service is(are):

Completed application(s) for transmission service have been submitted?

Yes No

Please describe timing and status of the transmission service application and results:

3. The cost of transmission service is included in the capacity or energy Pricing (Form 9).

Yes No

Form 11
Voluntary Form of Consent

Please complete this form if the proposed project will be connecting to the Tri-State transmission system (whether you have already submitted an interconnection request or plan to apply for interconnection based on this RFP).

The FERC Standards of Conduct Regulations 18 CFR Part 358.7(c) states a transmission customer may voluntarily consent, in writing, to allow the transmission provider to disclose the transmission customer's non-public information to the transmission provider's marketing function employees. If the transmission customer authorizes the transmission provider to disclose its information to marketing function employees, the transmission provider must post notice on its Internet website of that consent along with a statement that it did not provide any preferences, either operational or rate-related, in exchange for that voluntary consent.

By the undersigned transmission customer signing this form it provides notice of its voluntary written consent allowing Tri-State Generation and Transmission Association, Inc. ("TP") to engage in non-public transmission/interconnection related discussions/disclosures associated with the possible future project agreement between Tri-State Generation and Transmission Association, Inc. (its marketing function) ("Tri-State PM") and the undersigned customer. Tri-State PM will maintain and protect the confidentiality of all information received from TP pertaining to the undersigned customer's transmission/interconnection facilities.

This Voluntary Consent shall remain in effect until _____ or such earlier date when it is withdrawn in writing. Any withdrawal of this Voluntary Consent will only apply prospectively to non-public information provided to Tri-State PM after Tri-State PM's receipt of the notice of withdrawal in writing.

TRANSMISSION CUSTOMER NAME

By _____
(Signature)

Printed Name

Title

Date

Form 12
Financing and Credit Arrangements

Please provide the following bidder financial/credit information:

If company is rated by S&P, Moody's and/or Fitch, please provide latest credit report from (if responding company is not rated, then please provide for parent company and/or any other guarantor):

S&P Moody's Fitch

Most recent SEC Form 10K and most recent SEC Form 10Q Report

Three most recent Annual Reports

Please provide the following project finance information:

Is new financing required to fund additional transmission or generation facilities?

Yes No

If yes, have financing arrangements been made prior to submitting this proposal?

Yes No

Describe proposed financing arrangements including potential sources of funding, contingencies, and interest during construction:

Form 13
References

Please list below client references who may be contacted and for whom services have been rendered in the last 24 months. Include names, titles, address, phone numbers and e-mail addresses.

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Form 14
Project Team Information

(a) Company profile, including office location, age of company, average number of employees over the past 5 years, and any ownership interests.

(b) Description of the Company's pertinent experience for all power projects, projects of similar technology, and projects located in the same state as proposed for this project. The Respondent should designate if the experience is in (1) development, (2) construction, (3) ownership and/or (4) operation and maintenance of the projects.

(c) State whether there is any current litigation regarding any power supply matter involving the company and any of its subsidiaries or off-balance sheet companies in which it has an interest. If there is any current litigation, provide a discussion of the current litigation.

(d) Provide a company organization chart and identify qualifications of key staff. If needed, please attach this information separately and label as Form 14.