



# American Samoa Power Authority

P.O Box PPB Pago Pago, American Samoa 96799  
Phone: (684) 248-1234 [www.aspower.com](http://www.aspower.com)



**ADDENDUM NO. 5**  
**Pre-Proposal Meeting Minutes And**  
**Questions & Clarifications**  
**RFP No. ASPA18.064.EL-PG**  
**“Independent Power Producers (IPP)**  
**for Wind Power Generation”**

**Date:** Tuesday, October 02, 2018  
**Time:** 11:00 am to 12:30 pm  
**Location:** Power Generation Conference Room

**Attendees**

No.	Names	Company	Phone/Email
1	Wallon Young	ASPA	<a href="mailto:wallon@aspower.com">wallon@aspower.com</a>
2	Joachim Fong	ASPA	<a href="mailto:joachim@aspower.com">joachim@aspower.com</a>
3	Ioana Uli	ASPA	<a href="mailto:ioana@aspower.com">ioana@aspower.com</a>
4	Yvonne Satila	ASPA	<a href="mailto:yvonne@aspower.com">yvonne@aspower.com</a>
5	Mark Kneubuhl		markkneubuhl@gmail.com
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7	Dean Hudson	Fletcher Construction	<a href="mailto:deanh1123@gmail.com">deanh1123@gmail.com</a>
8	Mark Hirsch	Archer Clean Teck	<a href="mailto:mark.hirsch@archercleantech.com">mark.hirsch@archercleantech.com</a>
9	Chris Thunken	Green Globe Solutions	<a href="mailto:chris@hybridenergy.green">chris@hybridenergy.green</a>
10	Aliitama Sotoa	GGs Am.Samoa	<a href="mailto:Aliitama1sotoa@gmail.com">Aliitama1sotoa@gmail.com</a>
11	Cliff Brooke	Hydrostar Energy	<a href="mailto:cliff.brooke@windadvantage.com">cliff.brooke@windadvantage.com</a>
12	Joel Hart	Hydrostar Energy	joel.hart@windadvantage.com
13	Sepp Steffany	Sepp's	<a href="mailto:seppsamoa@gmail.com">seppsamoa@gmail.com</a>
14	LT Afo	GTP Wind	Islandcall2000@yahoo.com
15	Filiali'i Laniatia	PPC	<a href="#">N/A</a>



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## I. Introduction

Sign-in Sheet & Agenda distributed

Called to order by Acting Director Wallon Young  
Welcomed Contractors and ASPA attendees  
Reminder: Project Title by Ioana Uli, Procurement

- \*\*This meeting is to clarify any concerns offerors may have with the solicitation documents, scope of work and other details.

## II. Project Scope

- Ensure safety of your employees
- ASPA's SW full responsibility is to inspect and monitor each contractor's performances services.
- Open discussion with potential offerors for questions and clarifications.



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### QUESTIONS:

**Q-1:** You recalled that separate cost and the PPA distribution, will that also include storage?

**A-1:** Yes, break down costs as follows:

Price (\$/MWh AC)

- Wind Generation Rate - [\$/ MWh (AC)]
- Battery Energy Storage System Rate - [\$/ MWh (AC)]
- Transmission and Substation Rate - [\$/ MWh (AC)]
- Total PPA Rate – [\$/ MWh (AC)]

**Q-2:** So with that in mind, on October 22<sup>nd</sup>, will ASPA accept bids from folks that can demonstrate site control? Or will that be left open to cover causes on has traditionally caused issues?

**A-2:** Site control is not mandatory when responders submit their proposals. Site control will be left open to Offeror to identify best site for the wind turbines.

**Q-3:** For example, From Guam, I know that to submit site control, you have to clearly show where things are coming from and going to and a lot of effort has been expended on that basis and really it is for serious bidders to basically provide site control and say “here we are” and “build over here” versus throwing in a number and then hoping to come down here and trying to identify and put on “\_\_\_” because this will go to the timeline of execution and performance of this project and I think it would also eliminate parties that haven’t done the work and simply throw out the number and haven’t been able to execute or down the road are unable to perform the work.

**A-3:** Offeror should evaluate Offeror based on site control or site control Offeror sees as he best site to locate wind generators.

**Q-4:** I did have a question about the submission. I want to be clear that when you talked about submission for email you also requested for hardcopies by mail is that right?



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**A-4:** One (1) Electronic PDF copy and one (1) original and four (4) hard copies must also be sent via email or delivered to the Procurement Office on original closing date. The new closing has been changed to Monday, November 12, 2018 at by 2:00 p.m. American Samoa Time.

**Q-5:** I have a questions on in service dates. The trial operation and commercial date. An operation date and again service date. Do we need to have that now as the timeline for the duration before we submit the.....?

**A-5:** Yes, Offeror should provide a Gantt chart to show timelines of project plans until the Commercial Operation Date (COD).

**Q-6:** When the new addendum come, would that site control come along with it?

**A-6** Refer to Question 2

**Q-7:** You mentioned earlier that the 34.5 kV substation location that is not finalized yet...

**A-7:** (Joachim showed proposed route for the transmission line) 34.5 kV substation and transmission route layout has been sent per Addendum 4.

**Q-8:** Please clarify Excise tax for this project.

**A-8:** The American Samoa Government (ASG) collects Excise tax and Offerors will need to inquire with ASG on this tax.

**Q-9:** Are we getting a copy of the one line diagram?

**A-9:** Yes, refer to Addendum 4.

**Q-10:** From the wind farm after today, are we assuming the shortcut? Or do we give both cost for the shortcut and the existing line?

**A-10:** Yes, carry out your due diligence on costs on both routes.

**Q-11:** Is the offeror responsible for the study of the lines or any upgrades of the overhead lines to match with the underground switching stations? Or is ASPA giving us that?

**A-11:** The offeror will need to carry out its own study on overhead lines or cables to the substation as offeror will need to size overhead lines or underground cables if offered, to ensure projected



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capacity of wind generators can be transferred to the power stations.

**Q-12:** Is there any land in the area where the vaults are for Storage?

**A-12:** Land is available for limited storage and depending on Offerors system design some storage can be located at the proposed wind site or the at the power plant site.

**Q-13** Are we expected to build the substation for the tie-in?

**A-13:** Yes.

**Q-14:** We are planning to over build the existing line with the transmission on every other pole while we have to do the calculations of the overhead with the transmission line at the same alignment of the existing line without any land acquisition or any new land acquisition line. Is that consistent with the SOW that you are expecting from us?

**A-14:** Yes, this is also an option but responder must ensure that power disruption on existing lines does not affect existing customers.

### **QUESTIONS VIA EMAIL:**

**Q-1:** It was my understanding that some of the information presented by Mr. Fong, the Project Manager, would be available and/or provided to the meeting attendees, specifically the following data:

- i. Annual load profile of the ASPA power system, detailed on an hourly basis. I believe Mr. Fong indicated he had this information in an excel file form;
- ii. The "Google Earth" Screen shot that illustrates and/or kmz files that comprise or make up the proposed transmission line route that Mr. Fong displayed on the overhead during the meeting;
- iii. One-Line drawing diagram for the wind project interconnection.

**A-1:** The above information has been sent via Addendum 4.

**Q-2:** My other question relates to the wind data, in an email that was forwarded to me, that was originally from Matthew Erickson, a file was attached which was named "Truepower Deliverables.zip". The email stated that this was the final report and all data and information pertaining to the works performed by Truepower. However when I click on the link to get the "Truepower Deliverables.zip" file, it tells me I need permission to access the file. Would it be possible to get permission and/or the



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password so we may review this wind data?

**A-2:** The link was sent via Addendum 4.

**Q-3:** What type of legal entity is American Samoa Power Authority (ASPA)? Is ASPA a 501.C3 entity, investor owned utility (IOU), publicly owned utility (POU) or some other type entity?

**A-3:** ASPA is a semi-autonomous agency of the American Samoa Government (ASG). ASPA is governed by a five (5) member Board of Directors appointed by the Governor. ASPA consists of four utilities, the Electric, Water, Waste Water and the Solid Waste.

**Q-4:** What priority regarding the obligation to pay under the PPA would the Respondent be provided and/or is ASPA in a position to provide payment guarantees or security to assure payment of the PPA for the wind project?

**A-4:** Yes, ASPA is in a position to provide payment guarantees or security to assure payment of the PPA for the wind project.

**Q-5:** Will any negotiated PPA agreement between ASPA and the Respondent require approval from any other American Samoa government authority?

**A-5:** PPA agreement will be approved by the ASPA Board of Directors. The American Samoa Governor has appointed a five (5) member Board of Directors. The Board's mandate is to establish policies for management and oversight, making decisions on major utility issues.

**Q-6:** Are there any other American Samoa government agencies or regulatory authorities that would have oversight or compliance requirements specific to the proposed wind project or that the project would be subject to?

**A-6:** Yes, the Project Notification and Review System (PNRS)

The Land Use Permitting section for the Department of Commerce is where the public would apply for a land use permit for any type construction in American Samoa. The Department of Commerce reviews land use permits considering public health, safety, and environmental impacts. We have a web portal online for viewing any proposed project site in American Samoa. Website: <http://doc.as.gov/resource-management/ascmp/pnrs/>

**Q-7:** Does ASPA operate under or is it subject to the Public Utility Regulatory Policies Act (PURPA) Pub. Law. 95-617, 92 Stat. 3117, enacted November 9, 1978) as part of the United States National Energy Act?



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**A-7:** Will get back to you on this question.

**Q-8:** Does ASPA have an Integrated Resource Plan for forecasting annual peak and energy demand, plus some established reserve margin, using a combination of supply-side and demand-side resources over a specified future period, which can be provided to the Respondent?

**A-8:** No, ASPA does not have an Integrated Resource Plan but does have a 10 year forecast excel model that has historical consumption, generation and demand data. Model is used to predict future growth and demand. Yes, respondent can have a copy of the forecast.

**Q-9:** Does ASPA have any "avoided cost" or "marginal cost" studies that have been prepared or published by ASPA or any third parties which would be available in the public domain that can be reviewed?

**A-9:** ASPA does have a Consolidated Electric, Water, Wastewater and Solid Waste Rate Study done by Economist.com in 2009. Another Electric rate study is current being done and should be completed in January, 2019.

**Q-10:** Has ASPA performed any interconnection study regarding any proposed transmission, system tie-in, switching station or other grid improvements related to the proposed wind project?

**A-10:** No, ASPA has not done any interconnection study.

**Q-11:** Will ASPA design and build the proposed 34.5 kV switching station or is this system upgrade to be provided by the respondent? Has ASPA determined a final location for the switching station?

**A-11:** The respondent will be responsible for the system upgrade and installation. ASPA will assist in determining the final location to interconnect to ASPA existing 34.5 kV underground cable.

**Q-12:** If a final location for the proposed switching station has been determined, can ASPA provide a detailed site or platt map for the location, illustrating the physical dimensions, existing boundaries, existing utility lines (both underground and overhead), and/or any physical access points to the property?

**A-12:** Refer to Addendum 4. Detail site survey has not done yet but location of substation is shown by addendum.

**Q-13:** Will ASPA provide design or engineering specifications for the transmission line from the wind project to the switching station or is the Respondent expected to provide or propose the



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transmission line specifications?

**A-13:** The respondent will be responsible for specification and transmission line structure should be able to with stand hurricane winds speeds up to 150 mph. ASPA will assist if required.

**Q-14:** Is ASPA currently using a battery storage system in conjunction with its existing system?

**A-14:** Yes, for the two small PV systems in the Manu'a Islands. The island of Tau is powered by 100% renewable energy with PV and battery storage while the island of Ofu is 70% renewable. The main island of Tutuila has 4.5 MW of PV system with no batter storage system.

**Q-15:** Photovoltaic (PV) installation? If so, what kind of battery storage system is currently being used? Is ASPA doing the battery fill-in for PV production loss automatically or ramping their generators up and down?

**A-15:** For the main island of Tutuila (24 MW maximum demand) the Diesel generation ramps up and down due to PV production loss/gain. PV system percentage penetration level is about 16% so impact to power quality is minimal. Battery storage will need to be installed as more PV systems are installed.

**Q-16:** Does ASPA have a preference regarding battery system storage technology? For example, lithium ion, or some other type of technology?

**A-16:** ASPA prefers lithium ion as so far the battery storage system on the island of Tau has performed to expectation. The respondent will need to decide which battery storage system is best for their design.

**Q-17:** Does ASPA have an annual load profile of the ASPA power system, detailed on an hourly basis and/or in excel file format?

**A-17:** Yes, this has been provided in Addendum 4.

**Q-18:** Does ASPA have or require any special voltage requirements, including phase requirements, power factor requirements, etc.? Can ASPA provide the one-line drawing for the current proposed wind project interconnection?

**A-18:** ASPA follows the National Electrical **Code**, ANSI/NFPA 70, the National Electrical Safety **Code** (NESC), and NFPA 79 or equivalent and respondents needs to adhere to these codes. Respondents One-line drawing is shown in Addendum 4. For power factor requirements wind





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generators should have the capability to supply the ASPA grid systems reactive power (MVars) demand. Also the wind generators should be able to provide fault currents to trip off feeder circuit breakers in the event of distribution system line faults.

**Q-19:** Can you identify or clarify the SCADA protocol ASPA is currently using to dispatch its existing power generation?

**A-19:** The new Satala plant uses "Factory Talk View SE"

**Q-20:** Regarding wind data, does ASPA have a final report of all data and information pertaining to the works performed by Truepower that can be provided to the Respondents?

**A-20:** Yes, final report can be located by accessing the following RFP on ASPA's website: [aspower.com](http://aspower.com) under Procurement Bids. REQUEST FOR PROPOSALS (RFP) INDEPENDENT POWER PRODUCERS FOR WIND POWER GENERATION RFP NO. [ASP18.064.PG](#). The RFP and all addenda are on the ASPA website.

**Q-21:** Does ASPA have a Google Earth map and/or any related kmz files or the proposed route for the transmission lines to the point of interconnection at the switching station?

**A-21:** Yes, refer to Addendum No. 4 to access these information.

**Q-22:** Since any Power Purchase Agreement (PPA) would be entered into with ASPA, what is the current credit rating of the ASPA entity? What is ASPA's current credit or bond rating using the standard credit rating agencies such as Moody's Investor Service, Fitch Ratings, etc.?

**A-22:** There is no current credit rating for ASPA.

**Q-23:** Does ASPA operate under or is it subject to the Public Utility Regulatory Policies Act (PURPA) Pub.Law 95–617, 92 Stat. 3117, enacted November 9, 1978) as part of the United States National Energy Act?

**A-23:** Yes.

#### IV. Closing

- Closing remarks by Acting Executive Director Wallon Young
- Last call for questions or concerns
- Thank you to all attendees for coming



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- A friendly reminder to all potential offerors to direct all future inquiries before the deadline August 10, 2018 by closing time; also addenda will be issued to address all questions.