



Project Matching: Facilitating New Renewable Energy Projects Project Proposal Submittal Form

The EPA Green Power Partnership's (GPP's) [Project Matching Initiative](#) works to connect stakeholders with new, not-yet-built renewable energy projects that may align with their energy, environmental, and financial objectives. The initiative's goal is to spur the development of new renewable generation by facilitating the signing of long-term green power contracts between end-users and project developers, thereby providing a guaranteed stream of revenue that developers can use to secure project financing.

The GPP, in collaboration with EPA's [RE-Powering America's Land Initiative](#), will host a project matching webinar on Wednesday, June 24, 2015. Project developers are invited to submit project proposals to GPP for possible inclusion in the webinar. This form includes all anticipated criteria that EPA will use to select projects for the webinar. All projects submitted for review that meet minimum requirements for data completeness and basic eligibility will be posted on the GPP website. A renewable energy project's inclusion in this initiative does not constitute endorsement or recommendation by EPA.

Project proposals are due by June 5, 2015 and must be submitted electronically to James Critchfield, critchfield.james@epa.gov.

Contact Information

Keith Mathis
keith.mathis@nsai-energy.com
858-457-0277

Project Summary

Project name: NSAI Energy American Samoa Renewable Energy Project

Developer name: NSAI Energy Renewable Energy Development

Renewable energy type: Photovoltaic with Iron Flow Battery Storage

Project city/state: American Samoa (US Territory)

Project geographic coordinates (To find, use: www.latlong.net/):

Latitude -14.306407 Longitude -170.696191

Total planned megawatt (MW DC) size: 65 MW

Are there phases? If so, how many and in what size tranches?

Yes Phase I – 25MW Phase II – 20MW Phase III – 20MW

What is the expected annual output of the completed project (MWh)?

102,000,000 MWh

Expected date of construction commencement:

August 30, 2015

Expected date of commercial operation:

Phase I - January 30, 2016

What is the largest development hurdle and how is it anticipated to be overcome?

Can you provide examples of similar projects you have developed?

Our Development Team has successfully installed a number of Photovoltaic Systems in American Samoa. Two notable project are the EPA building and LBJ Hospital which were installed by our EPC and have been working well. Our knowledge of the Territory and Grid give us a unique understanding of how to develop this project to success. We have been asked by the American Samoan Government to move as swiftly as possible to bring this project to the Territory that is in need of a renewable energy solution to their current fossil fuel dependent population.

Site Readiness

Has the project received all necessary federal, state, and local permits to proceed with construction and operation? If not, please outline the key permits required to proceed with project construction/operation and describe the steps you have taken in order to evaluate and address permitting risk for this project.

Yes, the American Samoa Territorial Energy Office (TEO) has been working with the American Samoa Department of Commerce, which handles the permitting for the Territory to secure all necessary permits.

Have you secured long-term site control? If so, please describe the nature of the agreement (lease, ownership, etc.)?

Yes, The TEO has set up an internal process with the American Samoa end users to provide lease of the land/facilities in exchange for a guaranteed reduction of \$0.10 per Kilowatt Hour in their rates for the life of the Power Purchase Agreement as well as all claims to the renewable power and green attributes that result from all installations.

Have land leases been filed with the county?

N/A The TEO is securing all necessary documentation and filings but no county filling is needed in American Samoa.

Does the project require either an Environmental Impact Statement or Environmental Assessment? If so, what is the status?

No, this project is being sanctioned through the American Samoa Territorial Energy Office (TEO), which is responsible for all Renewable Energy projects for the US Territory so no EIS or EA is necessary.

Is this project sited on a current or formerly contaminated land, landfill or mine site?¹ If so, has the site addressed the related environmental issues?

No the project is not sited on a current or formerly contaminated land, landfill or mine site.

Interconnection

What is the status of interconnection, and have system impact and facility studies been completed? (Distribution or transmission level projects are both eligible)

The American Samoa TEO is handling the interconnection with the American Samoa Power Authority (ASPA) and has already provided the project information and gotten approval to proceed based on an internal grid study.

When do you expect the interconnection study process will be complete?

N/A

Does the transmission owner (TO) or independent system operator (ISO) have a process to study the project's impact on the local or regional grid and the subsequent cost to interconnect?

The TEO has worked with ASPA to determine the project impact on the grid given the go ahead for the project.

Operation & Financing

Is any element of the project – technology or systems – experimental or pilot-phase or proven technology?

No, all Technology being utilized are proven and have been successfully financed many times in the United States.

What is the long- and short-term plan for operating and maintaining the project?

The EPC firm we will engage for the project is a proven organization with offices on the ground in American Samoa and will be contracted to preform all O&M under separate agreement for both long- and short-term task.

For wind projects, has a meteorological tower been installed? If yes, when was the tower installed and how much data has been collected?

N/A

¹ Examples of such properties could include brownfields, municipal solid waste landfills, abandoned mine lands, and Superfund sites, among others subject to state or federal authorities or cleanup programs.

Provide a short summary of how you view project finance and structure/ownership taking shape for this project:

NSAI Energy American Samoa Development will secure traditional tax equity and long-term debt financing the project on the basis of long term PPAs and REC off-take agreements.

Partners

In what ways can organizations participate in the project? (Check all that Apply)

- Power purchase agreement for bundled power and RECs
- X - Financial hedge or contract for differences
- X - Long term REC offtake
- X - Financial investment / ownership stake
- Other, please specify: _____

What are some of the characteristics of your ideal power purchaser, investor, or other partner?

We are interested in investors or other partners interested in participating in a long-term project that will produce 102,000,000 kWh annually of renewable energy that will replace 100% diesel generation with an excellent return on investment and Green-e eligible Renewable energy credits. It is preferred that the investors or partners have an investment grade credit rating.

What marketing opportunities exist at the project?

The project has great marketing opportunities available with Green-e parameters on marketing language.