



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

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Project Summary

Project name: Bishop Hill III Wind Energy Center

Developer name: Invenenergy Wind Development LLC

Renewable energy type: wind

Project city/state: Henry County, IL

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

Latitude 41.361088 Longitude -90.074677

Total planned megawatt (MW DC) size: 120 MW

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

The Project is a third phase of the existing 292 MW wind facility. Phase I is 211 MW and Phase II is 81 MW.

What is the expected annual output of the completed project (MWh)? About 400,000 MWh.

Expected date of construction commencement: Q1 2016.

Expected date of commercial operation: December 31, 2016.

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

No major hurdles are anticipated.

Can you provide examples of similar projects you have developed?

Invenergy ranked #2 in terms of new U.S. wind capacity installed in 2014 and is North America's largest independent wind power generation company. The Company has developed over 50 wind farms across the United States, Canada and Europe, totaling over 5,822 MW globally. This portfolio consists of over 4,489 MW of operating projects, 1,111 MW of projects in construction, and 222 MW of projects under contract.

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.

The Special Use Permit was granted for all three phases of the Project, including Bishop Hill III, in May 2010 with an amendment in February 2011. An extension to the original Special Use Permit was approved in May 2015.

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

Yes, Invenergy has control of approximately 13,000 acres of agricultural land in Henry County, IL.

Have land leases been filed with the county?

Yes.

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

The Project does not require an EIS or an EA. Invenergy has consulted the appropriate State and Federal agencies and completed numerous environmental studies for the Project. Invenergy does not expect the Project to have any significant environmental effects.

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?

Not applicable. The Project will be built on agricultural land.

Interconnection

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

All interconnection studies (including System Impact and Facilities Study) have been completed. The Project will utilize the existing interconnection infrastructure at the operating Bishop Hill wind project, which will be to the Ameren Illinois owned 138 kV Kewanee substation within the MISO market. Invenergy, Ameren, and MISO previously executed an Interconnection Agreement which currently allows for an additional 120 MW of generation capacity to be installed. As a result of the existing interconnection agreement Invenergy does not anticipate the need for any additional upgrades or required work to interconnect the additional capacity.

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

The interconnection study process is complete.

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?

Yes. The Independent System Operator (MISO) has an interconnection study process. The Project has completed all interconnection studies required by MISO.

Operation & Financing

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

Wind turbine technology employed at the Project will not be experimental. Invenergy will use proven and highly reliable General Electric wind turbines at the Project.

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

Invenergy operates all of its US projects and will maintain the Project through an existing O&M facility.

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

Met data has been collected from ten met towers at the Project site. The first two met towers were installed in 2005. The rest were installed in 2008 and 2009.

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:

Invenergy proficiently structures project financing and maintains strong relationships with banks in the United States, Canada, Europe and Asia. During the late stages of project development, Invenergy typically approaches lenders a few months prior to construction to provide construction financing. The construction loan combined with Sponsor equity will raise sufficient capital for the entire construction cost of the Project.

Financing for a project is typically structured as non-recourse project financing. The security and collateral package held by the project financing parties customarily consists of a pledge of the equity in the Project company, a pledge of all Project assets, and collateral assignments of certain material Project agreements.

On or shortly after COD, the construction financing is replaced by more permanent financing, such as a term loan or tax equity investment. The security and collateral package during the term loan period is usually the same as that during the construction period.

Partners

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

- ☒ **Power purchase agreement for bundled power and RECs**
- ☒ **Financial hedge or contract for differences**
- ☒ **Long term REC offtake**
- ☒ **Financial investment / ownership stake**
- ☒ **Other, please specify: Invenergy is open to discussions with potential off-takers regarding other contract structures that can be of interest to them**

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

Over the last 10 years, Invenergy has developed a worldwide portfolio of 70 projects totaling 9,000 MW that are operating or under construction. Invenergy's customers have included utilities, municipalities, and coops, such as American Electric Power, Commonwealth Edison, Detroit Edison, Los Angeles Department of Water & Power, Ontario Power Authority, Omaha Public Power District, Pacific Gas & Electric Company, PacifiCorp, Tennessee Valley Authority, Xcel Energy and others.

We also work with banks (Bank of America, JP Morgan Chase, Citi Group, Credit Suisse and others), commercial and industrial customers and universities.

We are happy to assist large companies, universities and government agencies with meeting their sustainability goals, while also providing them with opportunities to invest in well-planned, low risk renewable energy projects across the US.

What marketing opportunities exist at the project?

Invenergy will be happy to assist the future off-taker with crafting any future messaging campaigns to ensure that the customer receives full credit from the public for supporting renewable energy development in the US. We are also open to discussions regarding the naming rights for the Project.