



## 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](mailto:critchfield.james@epa.gov).

### Contact Information

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### Project Summary

**Project name:** Bloom Wind

**Developer name:** CP Bloom Wind LLC

**Renewable energy type:** Wind

**Project city/state:** Bloom and Minneola, Kansas

**Project geographic coordinates (To find, use: [www.latlong.net/](http://www.latlong.net/)):**

**Latitude:** 37.494635      **Longitude:** -99.926464

**Total planned megawatt (MW DC) size:** 180MW

**Are there phases? If so, how many and in what size tranches?** The project prefers to construct as 1 phase (180MW) but is willing to transact in smaller increments (e.g., 2 x 90MW).

**What is the expected annual output of the completed project (MWh)?** Estimated 800,000 MWh

**Expected date of construction commencement:** Q4 2015

**Expected date of commercial operation:** Q4 2016

**What is the largest development hurdle and how is it anticipated to be overcome?** The major development hurdle remaining is obtaining an off-take agreement. The Project has qualified for the Production Tax Credit and has an executed Generator Interconnection Agreement (GIA) so it is prepared to move toward construction as soon as off-take is secured.

**Can you provide examples of similar projects you have developed?** Capital Power has developed and constructed 5 wind projects:

- K2 Wind – 270MW in Ontario – COD 2015
- Port Dover Nanticoke Wind – 105MW in Ontario – COD in 2013
- Halkirk Wind – 150MW in Alberta – COD in 2012
- Quality Wind – 142MW in British Columbia – COD in 2012
- Kingsbridge I Wind – 40 MW in Ontario – COD in 2006

### **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 Bloom Wind project has obtained its Conditional Use Permit from Ford County; Federal Aviation Administration clearances for 64 locations; has a signed Generator Interconnection Agreement with SPP and ITC Great Plains; has coordinated with the requisite state and federal agencies in regards to species, cultural resources, waters and wetlands; and has qualified for the Federal Production Tax Credit.

Remaining permits required to commence construction include road access and utility permits from Kansas Department of Transportation; Culvert and excavation permits from Ford County; and a Nationwide Permit 12 for construction activities. Many of these will be obtained by the selected EPC contractor and all can be obtained prior to the planned construction start date.

**Have you secured long-term site control? If so, please describe the nature of the agreement (lease, ownership, etc.)?** The Project has long-term site control via Lease & Easement Agreements recorded with Ford and Clark County Registers of Deeds.

**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?** No. There is no federal nexus for the Project; an EIS / EA is not required. However, extension environmental studies have been conducted at the site and project design has been structured to ensure there will be no adverse effects on species, waters, wetlands or cultural resources.

**Is this project sited on a current or formerly contaminated land, landfill or mine site?<sup>1</sup> If so, has the site addressed the related environmental issues?** No.

### **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 Project has an executed Generator Interconnection Agreement with ITC Great Plains and Southwest Power Pool. System Impact and Facility Studies are completed.

**When do you expect the interconnection study process will be complete?** Process is complete. GIA was executed in March 2015.

**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. Study process is complete.

### **Operation & Financing**

**Is any element of the project – technology or systems – experimental or pilot-phase or proven technology?** The Project will use proven technologies.

**What is the long- and short-term plan for operating and maintaining the project?** Capital Power intends to own and operate the facility long-term, as it does with its six other wind facilities in the U.S. and Canada.

**For wind projects, has a meteorological tower been installed? If yes, when was the tower installed and how much data has been collected?** Two wind monitoring towers have been installed and continue to collect data: 80m tower installed in September 2011; 60m tower installed in November 2012.

**Provide a short summary of how you view project finance and structure/ownership taking shape for this project:** Capital Power intends to finance construction on balance-sheet and bring in a tax equity investor at COD. The structure is expected to be approximately 70% tax equity and 30% sponsor equity based on Production Tax Credit projections.

### **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: \_\_\_\_\_**

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

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<sup>1</sup> 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.

The project is seeking a purchaser or purchasers of 800,000 MWh of clean energy and associated RECs and environmental attributes. The ideal counterparty would be investment grade rated and willing to pursue a long-term (10+ year) contract.

**What marketing opportunities exist at the project?**

The project is able to market within SPP and is pursuing transmission rights to market its power in surrounding RTOs and regional markets to the east.