



## 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:** Milliken Landfill Solar

**Developer name:** PVNavigator, LLC

**Renewable energy type:** Solar

**Project city/state:** Ontario, CA

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

Latitude 34.038677 Longitude -117.565900

**Total planned megawatt (MW DC) size:** 3.9

**Are there phases? If so, how many and in what size tranches?** No

**What is the expected annual output of the completed project (MWh)?** 6,200

**Expected date of construction commencement:** 12/1/2015

**Expected date of commercial operation:** 1/1/2016

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

**Can you provide examples of similar projects you have developed?**

PVNavigator, LLC completed a pilot study of a solar racking system on top of a closed landfill in Monterey Park, CA. This research was funded by the California Energy Commission. A final report of the findings and a development guide was created specifically for developers to use in order to develop solar facilities on top of closed landfill sites. The final report can be downloaded at the following link:

<http://www.pvnavigator.com/downloads/2014-03-11-PIER-CA-Landfill-Based-Solar-Projects-CEC-500-10-061-Final-Report.pdf>

### **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.

Still need a construction permit from the County of San Bernardino.

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

Yes. The county of San Bernardino issued a RFP for the lease of their landfills for the development of solar facilities. PVNavigator, LLC was selected to develop a solar facility at the Milliken Landfill by the County of San Bernardino and have a long term option agreement in place that will then turn into a long term lease agreement for the site.

**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?**

Since the site is a landfill the only CEQA approvals needed are an amendment to the Negative Declaration that already exists for the site.

**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?**

Yes-Landfill

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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.

## Interconnection

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

Yes

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

Completed

**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

## Operation & Financing

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

Proven technology

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

General O&M during the 20+ year lifespan of the facility

**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

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

Short Term Construction financing then long term financing for the facility with ownership remaining with PVNavigator, LLC

## 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
- 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?**

Southern California Edison has already signed a PPA with PVNavigator, LLC for the power generated.

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

Showcasing a green energy facility on top of a closed government owned landfill of which the land was otherwise unusable.