

Sweetland Wind Farm, LLC
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DNV GL - Energy
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Our reference: 10032128

Date: 16 March 2017

Independent Engineer's Certificate

Subject: Production Tax Credit – Start of Construction, Site Construction Work

Ladies and Gentlemen:

The undersigned, a duly authorized representative of Garrad Hassan America, Inc., in its capacity as independent engineer ("Independent Engineer") hereby provides this certificate with respect to the application by Sweetland Wind Farm, LLC (the "Project Company") under Section 45 of the Internal Revenue Code of 1986 as amended, whose provisions have been subsequently extended by the recent passing of 2016 federal budget (House Resolution 2029) ("Section 45").

The Project Company is the developer and owner of that certain wind energy electrical generation facility intended to consist of wind turbine generators and associated infrastructure located in Hand County, South Dakota, as generally described on Schedule A hereto.

In accordance with the requirements of Section 45, the Independent Engineer hereby certifies, under penalty of perjury, that the construction described in Schedule A hereto began on or before 31 December 2016.

Very truly yours,

GARRAD HASSAN AMERICA, INC.

By: 

Eric Tufts

Head of Section, Independent Engineering

Schedule A
Independent Engineer's Report

The Sweetland Wind Farm (the "Project") is located in Hand County, South Dakota. The Project is intended to consist of wind turbine generators, an electrical collection system from the wind turbines to the project substation, a substation, roadways to access the wind turbines, and other facilities and supporting equipment. The location of the Project site is depicted in Figure 1.

Independent Engineer visited the Project on 22 December 2016, at which time the construction progress at the site generally consisted of excavations at three foundation locations for turbine numbers 21, 22, and 23 and a turbine access road that connects the wind turbine locations as described in further detail in Independent Engineer's site visit report 10032128-HOU-R-01-D, attached hereto as Exhibit A. The work was conducted pursuant to a Services Agreement between Sweetland Wind Farm, LLC and Harvest Energy Services, Inc. dated November 18, 2016, which has been reviewed by the Independent Engineer. The scope of work therein is consistent with the work observed by the Independent Engineer on 22 December 2016.

The Project Company indicated that construction at the Project began on 13 December 2016 with site preparation activities and turbine access road construction. Such construction timeline is generally in line with the status of construction observed as of Independent Engineer's site visit on 22 December 2016.

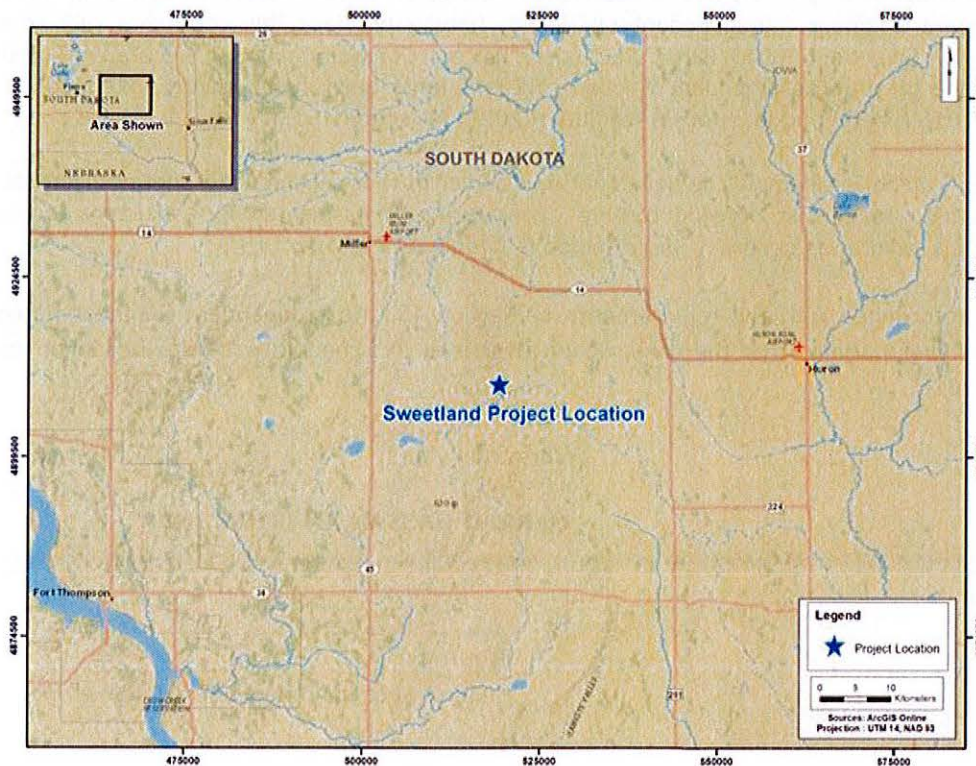


Figure 1: Approximate location of the Project

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Exhibit A

Independent Engineer's Site Visit Report

10032128-HOU-R-01-D



SWEETLAND WIND FARM

Site Visit Report

Sweetland Wind Farm, LLC

Document No.: 10032128-HOU-R-01

Issue: D, **Status:** Final

Date: 16 March 2017



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Report title:	Site Visit Report	Renewables Advisory
Customer:	Sweetland Wind Farm, LLC 2919 Valmont Road, Ste 209 Boulder, CO 80301 USA	9665 Chesapeake Drive, Suite 435 San Diego, CA 92123 USA
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Issue	D	
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Task and objective:

Observe and document status of project construction.


Prepared by:


p.p. Shruti Ladge
Project Engineer, Independent Engineering

Verified by:


Megan Regal
Project Analyst, Environmental and
Permitting Services

Approved by:


Eric Tufts
Head of Section, Independent Engineering

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Keywords:

PTC certification; site visit report; start of construction

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Reference to part of this report which may lead to misinterpretation is not permissible.

Issue	Date	Reason for Issue	Prepared by	Verified by	Approved by
A	16 February 2017	Draft	S. Ladge	M. Regal	E. Tufts
B	24 February 2017	Draft	S. Ladge	M. Regal	E. Tufts
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1 OBJECTIVES OF THE VISIT

At the request of Sweetland Wind Farm, LLC (the "Customer"), DNV GL visited the Sweetland Wind Farm (the "Project") on 22 December 2016. The objective of this site visit was to verify start of construction activities consisting of three wind turbine foundation excavations and turbine access roads. Date stamped pictures taken by DNV GL are included herein as evidence of work performed.

2 PROJECT STATUS

The Project is located in Hand County, South Dakota and is intended to consist of wind turbines and associated infrastructure. The contractor that performed the construction work observed by DNV GL was Harvest Energy Services, Inc. ("Harvest").

At the time of the site visit, turbine access road construction was in progress and three wind turbine foundation excavations had been completed, including the installation of barbed wire fencing around the excavation perimeters.

3 SITE VISIT SUMMARY

On 22 December 2016, DNV GL representative Andrew Chang met with Charlie Gustafson, the Project representative. DNV GL toured the Project site with Mr. Gustafson to observe progress of three foundation excavations and construction of a turbine access road.

Key observations of construction activity during the site visit included:

- Excavations at three wind turbine foundation locations for turbines 21, 22, and 23; and
- Construction of turbine access road connecting the wind turbine excavations.

4 CONTRACT

The construction work observed was performed under a Services Agreement by and between Sweetland Wind Farm, LLC and Harvest Energy Services, Inc., dated November 18, 2016. The scope of work is defined in Exhibit A of the Services Agreement and consists of the planning, mobilization, and execution of a single road 3,752 liner feet (LF) long and 14 feet wide, three wind turbine excavations, and associated supporting activities such as permitting, reporting, supervision, etc. The Customer advised that the length of road was subsequently reduced to 2300 LF.

5 SCHEDULE

Based on discussions with Mr. Gustafson and contractor personnel, as well as review of the construction documentation provided by the Project, DNV GL understands that the Project began construction on 13 December 2016 with site preparation activities and turbine access road construction. At the time of the DNV GL site visit on 22 December 2016, turbine access road construction was in progress and three wind

turbine foundation excavations had been completed, including the installation of barbed wire fencing around the excavation perimeters.

6 MOBILIZATION

During the site visit, DNV GL observed equipment utilized for the construction of wind turbine foundations and roads.



Figure 1 Excavator near T21

7 TURBINE ACCESS ROADS

Date and time stamped pictures of the main access road to the wind turbine sites were taken by DNV GL and are provided in Figure 2 through Figure 4 below. At the time of the site visit, access roads had been graded and the subgrade appeared to be prepped, although gravel had not yet been placed on the roads. The length of road was reduced from the contract amount to approximately 2300 LF, according to construction documentation from Harvest. A Start of Construction report provided by Harvest indicates that the approximately 2300 LF and 14 foot wide road was completed by 22 December 2016. DNV GL observed that the roads connected the three turbine foundation excavations. DNV GL independently obtained the GPS coordinates of the turbine excavations and calculated the distance between the turbine locations for T21 (Lat/Lon: 44.34946/-98.76267) and T23 (Lat/Lon: 44.35160/-98.75454) to be at least 2265 LF. DNV GL notes that this is a minimum length, as curves in the road are not accounted for in the calculation and confirms that 2300 LF of graded and prepped roads is a reasonable figure. A map of the roads based on the coordinates recorded by DNV GL is shown as Figure 8 in Section 8 below.



Figure 2 Turbine access road near T21



Figure 3 Turbine access road near T22



Figure 4 Turbine access road near T23

8 TURBINE FOUNDATIONS

Date and time stamped pictures taken by DNV GL of the three turbine foundations are provided in Figure 5 through Figure 7 below. On 22 December 2016, when DNV GL arrived on site, these excavations were complete and barbed wire fencing was installed around all three excavations.



Figure 5 Excavation at turbine T21



Figure 6 Excavation at turbine T22

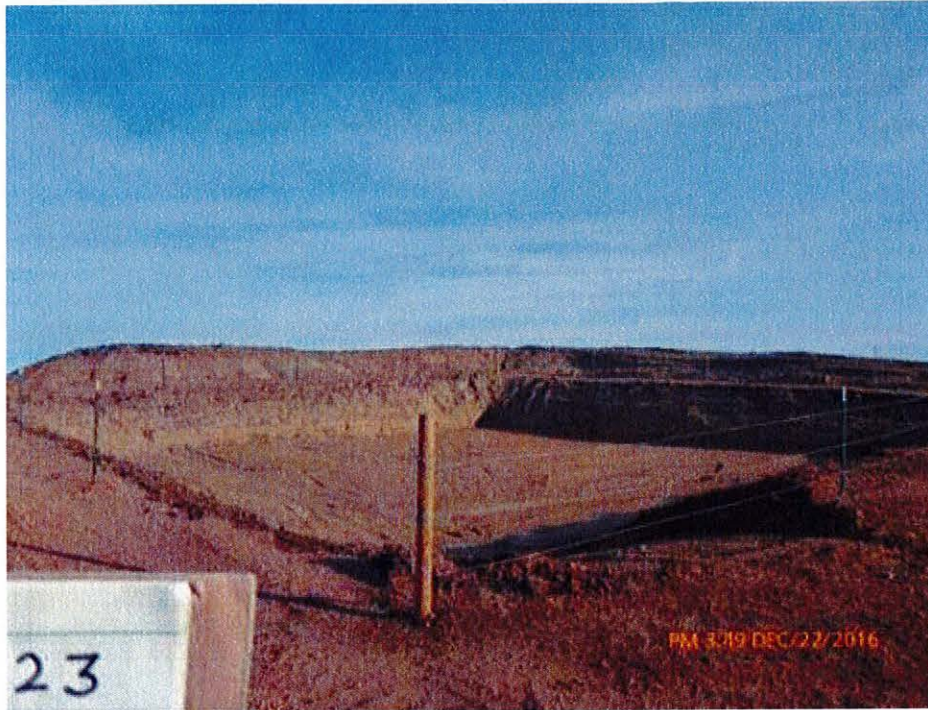


Figure 7 Excavation at turbine T23

At each turbine excavation, DNV GL independently recorded the GPS coordinates (using a Garmin GPS Map 60CSx) as shown in Table 1 below. DNV GL notes that the GPS coordinates were recorded at the center of the excavation and that there is a small margin of error (± 3 m) is associated with the recording device. Harvest also obtained coordinates of the excavations which are included in Table 1.

Table 1 Turbine Coordinates

Turbine #	Turbine coordinates provided by Harvest		Turbine coordinates obtained by DNV GL	
	Latitude	Longitude	Latitude	Longitude
T21	44.34943	-98.76264	44.34946	-98.76267
T22	44.35020	-98.75830	44.35018	-98.75836
T23	44.35180	-98.75431	44.35160	-98.75454

Figure 8 shows a map of turbine foundation sites and the turbine access road based on endpoint coordinates recorded by DNV GL during the site visit. Note that the turbine access road connects turbines T21, T22, and T23 although it appears to bypass T22 on the map.

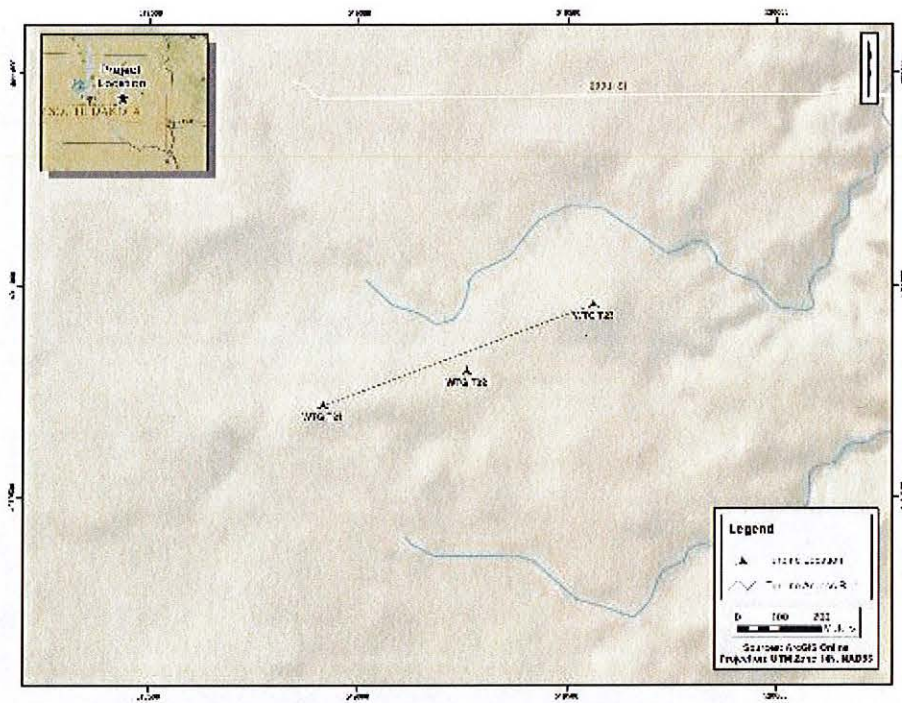


Figure 8 Turbine foundation locations and turbine access road indication connecting the turbines

9 SAFETY AND ENVIRONMENTAL

Personnel at the site showed good compliance with safety policies, including use of proper PPE, appropriate driving precautions, and behavior. No environmental concerns were observed.



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