Friday, July 12, 2019

WHITNEY HILL WIND FARM

24 WTG's
21 GE 2.8 MW & 3 GE 2.3 MW
65 MW Capacity

Substantial Completion	Friday, November 15, 2019
COD	Monday, December 23, 2019

TODAY'S WEATHER FORECAST

Conditions	Sunny	Wind Direction	N	Wind Speed	4 mph	Dew Point	62%	Temperature	High 87	Low 64	Humidity	64%	Precipitation	0%

SAFETY	ENVIRONMENTAL
- met w/Dunn to discuss proper PPE	- N/A
- alert staff to extended days due to delivery schedules	-
- heightened awareness to wildlife	-

DAILY HIGHLIGHTS	PUBLIC ROADS CLOSURES
- public roads: cement stabilization 1400; install stone base 300-1750 to 1842 (add rock); culverts RCP 93 & 43	- road closures for culverts on 400 from 1842 - 200; culverts on 200 from IL 121 - 400; 1750 from 200 - 275; culverts on 300 from 1750 - T15 from 7/10 through 7/12
- access roads: temp access road raddii - T13	- road closures for culberts on 1842 from IL 121 - 300; and for jump bridge installation om 1400 from 275 - HillTopper F5 from 7/10 through 7/12
- substation: pass - to begin additional fill; collection lines: locate, flag and paint	- road closure for cement stabilization: 1325 from T4 - 275 from 7/10 through 7/16; 275 from 1325-1400 from 7/10 through 7/15; 1400 275-200 from 7/12 through 7/17 & 200 from 1400 - 1500 from 7/11 through 7/18

WORK PROGRESS (AS OF COB LAST WORKING DAY)

ACTIVITY	UNIT	TOTAL QUANTITIES PLANNED	TOTAL QUANTITIES CONFIRMED	COMPLETED ACTUAL QTY	REMAINING QUANTITY	WEIGHT (%)	COMPLETED ACTUAL WEIGHTED (%)	COMPLETED LAST WORKDAY LOCATIONS	COMPLETED LAST WORKDAY ACTUAL QTY	LOCATIONS TO COMPLETE TODAY	LOCATIONS TO COMPLETE NEXT WORKDAY
Access Roads Overall Completion				0 LF	37,418 LF	100%	10%				
Road Cut	CY	5,816	5,816	731	5085	20%	13%		0		
Road Fill	CY	1,973	1,973	282	1691	20%	14%		0		
Cement Stabilization	CY	15,976	15,976	2295	13681	30%	14%		0		
Road Capping	CY	6,091	6,091	0	6091	30%	0%		0		
CREWS: 0 **HEADCOUNT:** 0											
Public Roads Overall Completion				0 LF	63,191 LF	100%	5%				
Cement Stabilization	CY	43,998	43,998	7187	36811	30%	16%		0		
Road Capping	CY	15,780	15,780	0	15780	30%	0%		0		
Bituminous Surface Treatment	SQY	131,951	131,951	0	131951	40%	0%		0		
CREWS: 0 **HEADCOUNT:** 0											
Foundations Overall Completion				0 Found.	24 Found.	100%	0%				
Pad Clearing (location)	ea.	24	24	0	24	5%	0%		0		
Excavation	ea.	24	24	0	24	10%	0%		0		
Soil grouting / Subgrade compaction	ea.	24	24	0	24	10%	0%		0		
Mud Mat (Lean concrete)	ea.	24	24	0	24	5%	0%		0		
Foundation Rebar	ea.	24	24	0	24	15%	0%		0		
Bolt cage	ea.	24	24	0	24	10%	0%		0		
Grounding installation	ea.	24	24	0	24	5%	0%		0		
Base section pour	ea.	24	24	0	24	10%	0%		0		
Pedestal section pour	ea.	24	24	0	24	5%	0%		0		
Foundations Backfilled	ea.	24	24	0	24	10%	0%		0		
Ground Resistivity Testing	ea.	24	24	0	24	5%	0%		0		
Crane Pad	ea.	24	24	0	24	10%	0%		0		
CREWS: 0 **HEADCOUNT:** 0											
Substation Overall Completion					97% Remain	100%	3%				
General	%	100%	100%	15%	85%	20.0%	15%		0.0%		
Control / GIS Building	%	100%	100%	0%	100%	7.5%	0%		0.0%		
SCADA Building	%	100%	100%	0%	100%	7.5%	0%		0.0%		
Foundations	%	100%	100%	0%	100%	20.0%	0%		0.0%		
EM Works: High Voltage (HV)	%	100%	100%	0%	100%	15.0%	0%		0.0%		
EM Works: Medium/Low Voltage (MV/LV)	%	100%	100%	0%	100%	15.0%	0%		0.0%		
Pre-Commissioning: General	%	100%	100%	0%	100%	5.0%	0%		0.0%		
Pre-Commissioning: High Voltage (HV)	%	100%	100%	0%	100%	5.0%	0%		0.0%		
Pre-Commissioning: Medium/Low Voltage (MV/LV)	%	100%	100%	0%	100%	5.0%	0%		0.0%		
CREWS: 0 **HEADCOUNT:** 0											
O&M Building Overall Completion (if applicable)					100% Remain	100%	0%				
O&M Building	%	100%	100%	0%	100%	100%	0%		0		
Collection System Overall Completion				0 LF	600 LF	100%	0%				
Row clearing	LF	3,200	600	0	600	2%	0%		0		
MV Trench Excavation	LF	3,200	600	0	600	5%	0%		0		
MV Cable Splices	ea.	320	60	0	60	3%	0%		0		
Fiber Optic Installation	ea.	3,200	600	0	600	5%	0%		0		
Fiber Optic Terminations / Splices	ea.	320	60	0	60	5%	0%		0		
Fiber Optic Testing	ea.	64	12	0	12	8%	0%		0		
MV Cable Installation & Backfill	LF	3,200	600	0	600	15%	0%		0		
Bores	ea.	160	30	0	30	15%	0%		0		
MV Terminations	ea.	160	30	0	30	5%	0%		0		
Junction Boxes	ea.	80	15	0	15	5%	0%		0		
PMT Vault Installation	ea.	32	6	0	6	7%	0%		0		
PMT Installation	ea.	32	6	0	6	2%	0%		0		
PMT Testing	ea.	32	6	0	6	15%	0%		0		
PD / VLF Testing	ea.	16	3	0	3	5%	0%		0		
Grounding System Testing	ea.	32	6	0	6	3%	0%		0		
CREWS: 0 **HEADCOUNT:** 0											
WTG Erection & Mechanical Overall Completion				0 Turbines	24 Turbines	100%	0%				
Switchgear or DTE	ea.	24	24	0	24	10%	0%		0		
Base Section Erected	ea.	24	24	0	24	10%	0%		0		
Lower Mid Section Erected	ea.	24	24	0	24	5%	0%		0		
Upper Mid Section Erected	ea.	24	24	0	24	5%	0%		0		
Grouting	ea.	24	24	0	24	10%	0%		0		
Top Section Erected	ea.	24	24	0	24	10%	0%		0		
Rotor Assembly	ea.	24	24	0	24	10%	0%		0		
Nacelle Installation	ea.	24	24	0	24	10%	0%		0		
Hub-Blades Set Installation	ea.	24	24	0	24	10%	0%		0		
Tower Wiring	ea.	24	24	0	24	10%	0%		0		
Mechanical Walkdown (Punch list issued)	ea.	24	24	0	24	10%	0%		0		
CREWS: 0 **HEADCOUNT:** 0											
Turbine Commissioning				0 Turbines	24 Turbines	100%	0%				
Pre-Commissioned (Cold)	ea.	24	24	0	24	30%	0%		0		
Turbine Commissioned On Grid	ea.	24	24	0	24	40%	0%		0		
Reliability Test Certificate Received	ea.	24	24	0	24	30%	0%		0		
CREWS: 0 **HEADCOUNT:** 0											
Commissioning					100% Remain	100%	0%				
HV Connection Lines	%	100%	100%	0.0%	100%	8.0%	0%		0.0%		
Delivery Substation	%	100%	100%	0.0%	100%	8.0%	0%		0.0%		
Step-Up Substation	%	100%	100%	0.0%	100%	25.5%	0%		0.0%		
ICT Communication System	%	100%	100%	0.0%	100%	8.0%	0%		0.0%		
SCADA System	%	100%	100%	0.0%	100%	10.0%	0%		0.0%		
Circuits Commissioning	%	100%	100%	0.0%	100%	24.0%	0%		0.0%		
Transmission Line	%	100%	100%	0.0%	100%	10.0%	0%		0.0%		
Completion and Performance Test	%	100%	100%	0.0%	100%	6.5%	0%		0.0%		
CREWS: 0 **HEADCOUNT:** 0											

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DELIVERIES (AS OF COB LAST WORKING DAY)

COMPONENT	UNIT	TOTAL QUANTITIES		COMPLETED ACTUAL QTY	REMAINING QUANTITY	WEIGHT (%)	COMPLETED ACTUAL WEIGHTED (%)	DELIVERED LAST WORKDAY		COMPONENTS TO BE DELIVERED	
		PLANNED	CONFIRMED					LOCATIONS	ACTUAL QTY	TODAY	NEXT WORKDAY
Turbine Receiving				0% Received	100% Pending	100%	0%				
Switchgear	ea.	24	24	0	24	10%	0%		0		
Pad Mount Transformer (PMT)	ea.	24	24	0	24	10%	0%		0		
Minor Components Set (according to WTG Manuf.)	ea.	24	24	0	24	10%	0%		0		
Base Section	ea.	24	24	0	24	10%	0%		0		
Lower Mid Section	ea.	24	24	0	24	5%	0%		0		
Upper Mid Section	ea.	24	24	0	24	5%	0%		0		
Top Section	ea.	24	24	0	24	10%	0%		0		
Nacelle	ea.	24	24	0	24	15%	0%		0		
Hub	ea.	24	24	0	24	10%	0%		0		
Blades Set (A, B, C)	ea.	24	24	0	24	15%	0%		0		
CREWS: 0 **HEADCOUNT:** 0											
Collection System Receiving				0% Received	100% Pending	100%	0%				
1250 KCMIL MV Cable	LF	1,000	1,000	0	1000	10%	0%		0		
1000 KCMIL MV Cable	LF	1,000	1,000	0	1000	10%	0%		0		
500 KCMIL MV Cable	LF	1,000	1,000	0	1000	10%	0%		0		
4/0 AWG MV Cable	LF	1,000	1,000	0	1000	10%	0%		0		
LV Cable (If Applicable)	LF	1,000	1,000	0	1000	10%	0%		0		
MV Terminations	ea.	100	100	0	100	10%	0%		0		
Fiber	LF	1,000	1,000	0	1000	10%	0%		0		
Junction Boxes	ea.	10	10	0	10	10%	0%		0		
Grounding Conductor	LF	1,000	1,000	0	1000	10%	0%		0		
Innerduct	LF	1,000	1,000	0	1000	10%	0%		0		
CREWS: 0 **HEADCOUNT:** 0											
Substation Receiving				0% Received	100% Pending	100%	0%				
Metalic Structures	ea.	10	10	0	10	5%	0%		0		
Station Service Transformers	ea.	10	10	0	10	5%	0%		0		
Capacitor Banks	ea.	10	10	0	10	6%	0%		0		
Capacitor Bank Switcher	ea.	10	10	0	10	5%	0%		0		
Reactor Banks	ea.	10	10	0	10	5%	0%		0		
Reactor Switches	ea.	10	10	0	10	5%	0%		0		
HV Circuit Breaker	ea.	10	10	0	10	6%	0%		0		
HV Disconnect Switch	ea.	10	10	0	10	5%	0%		0		
MV Circuit Breaker	ea.	10	10	0	10	5%	0%		0		
MV Disconnect Switch	ea.	10	10	0	10	4%	0%		0		
Current Transformer	ea.	10	10	0	10	6%	0%		0		
Voltage Transformer	ea.	10	10	0	10	6%	0%		0		
Main Power Transformer (MPT)	ea.	10	10	0	10	8%	0%		0		
Grounding Transformers	ea.	10	10	0	10	7%	0%		0		
HV Insulators	ea.	10	10	0	10	6%	0%		0		
Control House	ea.	1	1	0	1	8%	0%		0		
Shunt Reactors (MPT)	ea.	10	10	0	10	4%	0%		0		
Oil Minder Pump	ea.	10	10	0	10	4%	0%		0		
CREWS: 0 **HEADCOUNT:** 0											

HIGH LONESOME WIND FARM - PROGRESS SUMMARY

A CIRCUIT

TURBINE #	1	2	3	4	5	6	7	
Access Road								0%
Foundation								0%
Deliveries Completed								0%
Install. Completed								0%
Commissioning								0%

UGCS	0%
Trench/Cable/Backfill	0%
Terminations	0%
PD Testing	0%
0%	

B CIRCUIT

TURBINE #	1	2	3	4	5	6	7	8	9	
Access Road										0%
Foundation										0%
Deliveries Completed										0%
Install. Completed										0%
Commissioning										0%

UGCS	0%
Trench/Cable/Backfill	0%
Terminations	0%
PD Testing	0%
0%	

C CIRCUIT

TURBINE #	1	2	3	4	5	6	7	8	
Access Road									0%
Foundation									0%
Deliveries Completed									0%
Install. Completed									0%
Commissioning									0%

UGCS	0%
Trench/Cable/Backfill	0%
Terminations	0%
PD Testing	0%
0%	

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NON CONFORMITY REGISTER

Identification		NC Opening				NC Resolution		
#	Type	Detected by (Unit)	Date of Detection	Suplier	NC Description	Action	Expected date for closure	Resolution validated by

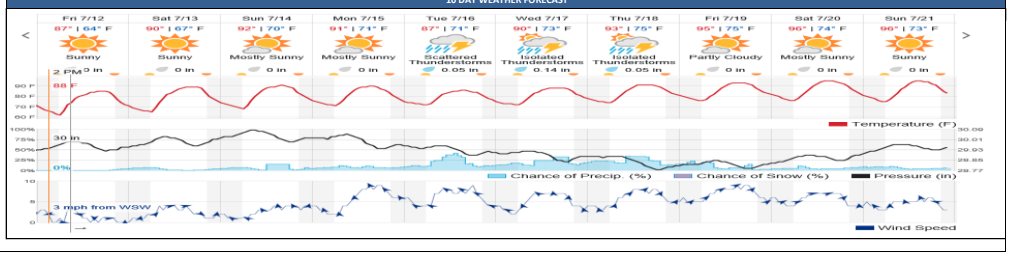
Contractor	MECHANICAL COMPLETION AND COMMISSIONING STATUS				0%
	Stage	UNIT	TOTAL QTY	COMPLETED	PROGRESS
	WTG - Circuits (Collection Line)	ea.	3	0	0%
	WTG - Walk Down (punch list issued)	ea.	24	0	0%
	WTG MCC (Issued by BoP Contractor)	ea.	24	0	0%
	WTG MCC (Signed by EGP)	ea.	24	0	0%
	WTG MCC (Issued/signed by Supplier)	ea.	24	0	0%
	WTG Pre-Commissioning	ea.	24	0	0%
	WTG Commissioning	ea.	24	0	0%
	WTG Reliability Run Test Finalized	ea.	24	0	0%
	Substation Commissioning	%	1	0	0%
	First Synchronization	ea.	1	0	0%
	Additional Capacity Declaration	ea.	1	0	0%

COMPLETION CERTIFICATES STATUS

Certificate Name	Total	Signed	Remaining	Progress
Turbine Delivery Completed	24	0	24	0%
Foundation Completion	24	0	24	0%
WTG Mechanical Completion	24	0	24	0%
Reliability Test	24	0	24	0%
Commissioning	24	0	24	0%
UGCS Completion	3	0	3	0%
Substation Mechanical Completion	1	0	1	0%
O&M Building Completion	1	0	1	0%
Substantial BoP Completion	1	0	1	0%
Substantial Substation Completion	1	0	1	0%
Final Completion	1	0	1	0%

WEATHER DELAYS	NUMBER OF SHIFTS CONSIDERED AS "WEATHER DELAY DAY"			
	Wind	Rain / Snow / Fog	Lightning	Ice
BoP Civil	1	1	0	0
Turbine Erection	0	0	1	0
WTG Deliveries	0	0	0	0
Substation	0	0	0	0
Transmission Line	0	0	0	1
Commissioning	0	0	0	0

10 DAY WEATHER FORECAST



PREVIOUS DAY ON-SITE HEAD COUNT	
Enel Green Power	7
BoP Contractor and Subs	38
Turbine Supplier	0
Substation Contractor and Subs	0
TOTAL	**45**

Total Project Hours	**0**

SITE GPS COORDINATES	
O&M Building	
LAT	
LONG	
Substation	
LAT	
LONG	
POI	
LAT	
LONG	