



Wednesday, July 3, 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	1 mph	Dew Point	72%	Temperature	High 89	Low 70	Humidity	83%	Precipitation	20%
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SAFETY

- verify certifications for heavy equipment operators
- stop work procedures
- contractor safety meeting

ENVIRONMENTAL

- n/a

DAILY HIGHLIGHTS

- public roads: culverts RCP - SS@ place steel
- access roads: clear/strip access road T8, T9; culverts RCP T19, T21; Culverts CMP/HDPE T10, T12 (Temp HDPE)

PUBLIC ROADS CLOSURES

- Pub. Road closures (T/3): 1750 (400 to 300), 1842 (IL 121 to 300), 400 (1842 to 2000), 300 (1750 to 115), 1500 (200 to 275), 200 (1500 to 1400)
- Pub. Road closures (T/8): 400 (1842 to 2000), thru 779), 2000 (121 to 400, thru 712)
- Stockpile: CA6 to 1600th & 300th

WORK PROGRESS (AS OF COB LAST WORKING DAY)

ACTIVITY	UNIT	TOTAL QUANTITIES		COMPLETED ACTUAL QTY	REMAINING QUANTITY	WEIGHT (%)	COMPLETED ACTUAL WEIGHTED (%)	COMPLETED LAST WORKDAY		LOCATIONS TO COMPLETE	
		PLANNED	CONFIRMED					LOCATIONS	ACTUAL QTY	TODAY	NEXT WORKDAY

Access Roads Overall Completion											
				0 LF	37,418 LF	100%	0%				
Road Cut	CY	5,816	5,816	0	5,816	20%	0%				
Road Fill	CY	1,973	1,973	0	1,973	20%	0%				
Cement Stabilization	CY	15,976	15,976	0	15,976	30%	0%				
Road Capping	CY	6,091	6,091	0	6,091	30%	0%				
CREWS: 0 HEADCOUNT: 0											

Public Roads Overall Completion											
				0 LF	63,191 LF	100%	0%				
Cement Stabilization	CY	43,998	43,998	0	43,998	30%	0%				
Road Capping	CY	15,780	15,780	0	15,780	30%	0%				
Bituminous Surface Treatment	SGY	131,951	131,951	0	131,951	40%	0%				
CREWS: 0 HEADCOUNT: 0											

Foundations Overall Completion											
				0 Found.	24 Found.	100%	0%				
Pad Clearing (location)	ea.	24	24	0	24	5%	0%				
Excavation	ea.	24	24	0	24	10%	0%				
Soil grouting / Subgrade compaction	ea.	24	24	0	24	10%	0%				
Mud Mat (Lean concrete)	ea.	24	24	0	24	5%	0%				
Foundation Rebar	ea.	24	24	0	24	15%	0%				
Bolt cage	ea.	24	24	0	24	10%	0%				
Grounding installation	ea.	24	24	0	24	5%	0%				
Base section pour	ea.	24	24	0	24	10%	0%				
Pedestal section pour	ea.	24	24	0	24	5%	0%				
Foundations Backfilled	ea.	24	24	0	24	10%	0%				
Ground Resistivity Testing	ea.	24	24	0	24	5%	0%				
Crane Pad	ea.	24	24	0	24	10%	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%				
Flow clearing	LF	3,200	600	0	600	2%	0%				0
MV French 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
Bases	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		
2/0 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		
Time duct	LF	1,000	1,000	0	1000	10%	0%		0		
CREWS: 0 HEADCOUNT: 0											

Substation Receiving											
				0%	Received	100%	Pending	100%	0%		
Metallic 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	T	R	U	I	T	TURBINE #							%				
						1	2	3	4	5	6	7					
A	T	R	U	I	T	Access Road										0%	
						Foundation											0%
						Deliveries Completed											0%
						Install Completed											0%
						Commissioning											0%
USCS						Trench/Cable/Backfill							0%				
0%						Terminations							0%				
						PD Testing							0%				

B	T	R	U	I	T	TURBINE #									%		
						1	2	3	4	5	6	7	8	9			
B	T	R	U	I	T	Access Road											0%
						Foundation											0%
						Deliveries Completed											0%
						Install Completed											0%
						Commissioning											0%
USCS						Trench/Cable/Backfill							0%				
0%						Terminations							0%				
						PD Testing							0%				

C	T	R	U	I	T	TURBINE #								%		
						1	2	3	4	5	6	7	8			
C	T	R	U	I	T	Access Road										0%
						Foundation										0%
						Deliveries Completed										0%
						Install Completed										0%
						Commissioning										0%
USCS						Trench/Cable/Backfill							0%			
0%						Terminations							0%			
						PD Testing							0%			



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NON CONFORMITY REGISTER

Identification		NC Opening			NC Resolution			
#	Type	Detected by (Unit)	Date of Detection	Supplier	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 PPE-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%		

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	1	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	

PREVIOUS DAY ON-SITE HEAD COUNT	
Enel Green Power	12
BoP Contractor and Subs	38
Turbine Supplier	0
Substation Contractor and Subs	0
TOTAL	50

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

Total Project Hours	0
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