



Wednesday, June 19, 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	Mostly cloudy	Wind Direction	W	Wind Speed	5 mph	Dew Point	66%	Temperature	High 75	Low 64	Humidity	90%	Precipitation	69%
------------	---------------	----------------	---	------------	-------	-----------	-----	-------------	---------	--------	----------	-----	---------------	-----

SAFETY						ENVIRONMENTAL					
- orientations begin						- replace silt fence around yard, evaluate site					
- overhead warning signage being placed											

DAILY HIGHLIGHTS						PUBLIC ROADS CLOSURES					
- Deliveries of culverts						- 200th from 1400th-1500th					
- Start substation pad stripping						- 275th from 1375th-1400th					

IMPORTANT!
Planned and Confirmed

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%		0		
Road Fill	CY	1,973	1,973	0	1,973	20%	0%		0		
Cement Stabilization	CY	15,976	15,976	0	15,976	30%	0%		0		
Road Capping	CY	6,091	6,091	0	6,091	30%	0%		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%		0		
Road Capping	CY	15,780	15,780	0	15,780	30%	0%		0		
Bituminous Surface Treatment	SQY	131,951	131,951	0	131,951	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%		-1		
Excavation	ea.	24	24	0	24	10%	0%		-1		
Soil grouting / Subgrade compaction	ea.	24	24	0	24	10%	0%		-1		
Mud Mat (Lean concrete)	ea.	24	24	0	24	5%	0%		-2		
Foundation Rebar	ea.	24	24	0	24	15%	0%		-2		
Bolt cage	ea.	24	24	0	24	10%	0%		-2		
Grounding installation	ea.	24	24	0	24	5%	0%		-2		
Base section pour	ea.	24	24	0	24	10%	0%		-2		
Pedestal section pour	ea.	24	24	0	24	5%	0%		-2		
Foundations Backfilled	ea.	24	24	0	24	10%	0%		-11		
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											
				100%	Remain	100%	0%				
General	%	100%	100%	0%	100%	20.0%	0%		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)											
O&M Building	%	100%	100%	0%	100%	100%	0%		-0.1		

Collection System Overall Completion											
				0 LF	600 LF	100%	0%				
Row clearing	LF	3,200	600	0	600	2%	0%		-140		
MV Trench Excavation	LF	3,200	600	0	600	5%	0%		-25		
MV Cable Splices	ea.	600	600	0	600	3%	0%		-9		
Fiber Optic Installation	ea.	600	600	0	600	5%	0%		-35		
Fiber Optic Terminations / Splices	ea.	600	600	0	600	5%	0%		-15		
Fiber Optic Testing	ea.	600	12	0	12	8%	0%		-2		
MV Cable Installation & Backfill	LF	3,200	600	0	600	15%	0%		-225		
Bores	ea.	160	30	0	30	15%	0%		-12		
MV Terminations	ea.	160	30	0	30	5%	0%		0		
Junction Boxes	ea.	80	15	0	15	5%	0%		-2		
PMT Vault Installation	ea.	32	6	0	6	7%	0%		-1		
PMT Installation	ea.	32	6	0	6	2%	0%		-6		
PMT Testing	ea.	32	6	0	6	15%	0%		-2		
PD / VLF Testing	ea.	16	3	0	3	5%	0%		-3		
Grounding System Testing	ea.	32	6	0	6	3%	0%		-3		
CREWS: 0		HEADCOUNT: 0									

Planned Quantities must be updated

WTG Erection & Mechanical Overall Completion											
				0 Turbines	24 Turbines	100%	0%				
Switchgear or DTE	ea.	24	24	0	24	10%	0%		-5		
Base Section Erected	ea.	24	24	0	24	10%	0%		-5		
Lower Mid Section Erected	ea.	24	24	0	24	5%	0%		-6		
Upper Mid Section Erected	ea.	24	24	0	24	5%	0%		-6		
Grouting	ea.	24	24	0	24	10%	0%		0		
Top Section Erected	ea.	24	24	0	24	10%	0%		-1		
Rotor Assembly	ea.	24	24	0	24	10%	0%		-1		
Nacelle Installation	ea.	24	24	0	24	10%	0%		-1		
Hub-Blades Set Installation	ea.	24	24	0	24	10%	0%		-6		
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%		-10		
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%		-21.0%		
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%		-33.3%		
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									

IMPORTANT!
Planned and Confirmed
Quantities MUST be updated



Wednesday, June 19, 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

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%				-7
Pad Mount Transformer (PMT)	ea.	24	24	0	24	10%	0%				-7
Minor Components Set (according to WTG Manuf.)	ea.	24	24	0	24	10%	0%				-6
Base Section	ea.	24	24	0	24	10%	0%				-6
Lower Mid Section	ea.	24	24	0	24	5%	0%				-6
Upper Mid Section	ea.	24	24	0	24	5%	0%				-6
Top Section	ea.	24	24	0	24	10%	0%				-8
Nacelle	ea.	24	24	0	24	15%	0%				-6
Hub	ea.	24	24	0	24	10%	0%				-6
Blades Set (A, B, C)	ea.	24	24	0	24	15%	0%				-6
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%				-50
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%				-25
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%				-100
Innerduct	LF	1,000	1,000	0	1000	10%	0%				-200
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											

Blades have been included as a "set" in this tab, but in the 'WTG Delivery' tab remains as individual components to track offloading times, serial numbers, remarks, ...

HIGH LONESOME WIND FARM - PROGRESS SUMMARY

TURBINE #		1	2	3	4	5	6	7	
A	Access Road								0%
	Foundation								0%
	Deliveries Completed								0%
	Install. Completed								0%
	Commissioning								0%
LOGS		Trench/Cable/Backfill							0%
0%		Terminations							0%
		PD Testing							0%

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

TURBINE #		1	2	3	4	5	6	7	8	
C	Access Road									0%
	Foundation									0%
	Deliveries Completed									0%
	Install. Completed									0%
	Commissioning									0%
LOGS		Trench/Cable/Backfill								0%
0%		Terminations								0%
		PD Testing								0%



Wednesday, June 19, 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

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

IMPORTANT!
Include names of Contractors and GROUP Mechanical Completion and Completion Certificates accordingly

Contractor	MECHANICAL COMPLETION AND COMMISSIONING STATUS					PROGRESS
	Stage	UNIT	TOTAL QTY	COMPLETED	0%	
	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%	

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	0
BoP Contractor and Subs	0
Turbine Supplier	0
Substation Contractor and Subs	0
TOTAL	0

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

Total Project Hours	0
----------------------------	----------