



Tuesday, July 16, 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	Light Rain	Wind Direction	N	Wind Speed	2 mph	Dew Point	72%	Temperature	High	82	Low	71	Humidity	95%	Precipitation	50%
SAFETY																
- alert and prepare for anticipated heat index on Thursday																
- unsecured vehicles are NOT to be left running																
- kickoff on weekly safety manager meetings																
DAILY HIGHLIGHTS																
- public roads: cement stabilization 1750 (finish) & 300; install stone base 1400, 275; culverts 98; HMA 1842																
- action roads: clear/strip at T14, T15, T16																
- proof roll from 1400 to 275 @ 130 pm																
ENVIRONMENTAL																
- N/A																
PUBLIC ROADS CLOSURES																
- culverts: 400 from 1842 - 200 on 7/16 to 7/19; asphalt and culverts on 2000 from IL 121-400 from 7/16 to 7/17; culverts 1842 from IL 121-300 7/16 to 7/18; box culvert on 1842 from 400-300 from 7/16 to 7/20																
- cement stabilization: 1325 from 14 275 from 7/16 to 7/17; 275 from 1325 - 1400 from 7/16 to 7/19; 200 from 1400-1500 from 7/16 to 7/18; 1750 from 300-400 from 7/16 to 7/20;																
- stabilization continued: 300 from 1750 from 300-400 7/16 to 7/20; 300 from 1750 to E of 1842 7/16 to 7/24; 2000 from IL121-400 from 7/19 to 7/25.																
WORK PROGRESS (AS OF COD LAST WORKING DAY)																
ACTIVITY	UNIT	TOTAL QUANTITIES		COMPLETED ACTUAL QTY	REMAINING QUANTITY	WEIGHT (%)	COMPLETED ACTUAL WEIGHTED (%)	COMPLETED LAST WORKDAY		LOCATIONS TO COMPLETE		TODAY	NEXT WORKDAY			
		PLANNED	CONFIRMED					LOCATIONS	ACTUAL QTY							
Access Roads Overall Completion																
				0 LF	97,418 LF	100%	100%									
Road Cut	CY	5,816	5,816	731	5085	20%	13%									
Road Fill	CY	1,973	1,973	261	1,694	20%	14%									
Cement Stabilization	CY	15,976	15,976	2,250	13,681	30%	14%									
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%	12%									
Cement Stabilization	CY	42,352	42,352	1,7615	24,737	30%	42%									
Road Capping	CY	15,780	15,780	0	15,780	30%	0%									
Bituminous Surface Treatment	SCY	131,503	131,503	0	131,503	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	10%	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%									
Row clearing	LF	3,200	600	0	600	2%	0%						0			
MV Trench Excavation	LF	3,200	600	0	600	3%	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			
Bones	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	2%	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%			
Grids 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																



Tuesday, July 16, 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											
Switchgear	ea.	24	24	0	24	10%	0%				
Pistol Mount Transformer (PMT)	ea.	24	24	0	24	10%	0%				
Minor Components Set (according to WTG Manuf.)	ea.	24	24	0	24	10%	0%				
Base Section	ea.	24	24	0	24	10%	0%				
Lower Mid Section	ea.	24	24	0	24	5%	0%				
Upper Mid Section	ea.	24	24	0	24	5%	0%				
Top Section	ea.	24	24	0	24	10%	0%				
Nacelle	ea.	24	24	0	24	15%	0%				
Hub	ea.	24	24	0	24	10%	0%				
Blades Set (A, B, C)	ea.	24	24	0	24	15%	0%				
CREWS: 0 HEADCOUNT: 0											
Collection System Receiving											
1250 KCMIL MV Cable	LF	1,000	1,000	0	1,000	10%	0%				
1000 KCMIL MV Cable	LF	1,000	1,000	0	1,000	10%	0%				
500 KCMIL MV Cable	LF	1,000	1,000	0	1,000	10%	0%				
4/0 AWG MV Cable	LF	1,000	1,000	0	1,000	10%	0%				
LV Cable (if Applicable)	LF	1,000	1,000	0	1,000	10%	0%				
MV Terminations	ea.	100	100	0	100	10%	0%				
Fiber	LF	1,000	1,000	0	1,000	10%	0%				
Junction Boxes	ea.	10	10	0	10	10%	0%				
Grounding Conductor	LF	1,000	1,000	0	1,000	10%	0%				
Insulator	LF	1,000	1,000	0	1,000	10%	0%				
CREWS: 0 HEADCOUNT: 0											
Substation Receiving											
Metallic Structures	ea.	10	10	0	10	5%	0%				
Station Service Transformers	ea.	10	10	0	10	5%	0%				
Capacitor Banks	ea.	10	10	0	10	6%	0%				
Capacitor Bank Switcher	ea.	10	10	0	10	5%	0%				
Reactor Banks	ea.	10	10	0	10	5%	0%				
Reactor Switches	ea.	10	10	0	10	5%	0%				
HV Circuit Breaker	ea.	10	10	0	10	6%	0%				
HV Disconnect Switch	ea.	10	10	0	10	5%	0%				
MV Circuit Breaker	ea.	10	10	0	10	5%	0%				
MV Disconnect Switch	ea.	10	10	0	10	4%	0%				
Current Transformer	ea.	10	10	0	10	6%	0%				
Voltage Transformer	ea.	10	10	0	10	6%	0%				
Main Power Transformer (MPT)	ea.	10	10	0	10	8%	0%				
Grounding Transformers	ea.	10	10	0	10	7%	0%				
HV Insulators	ea.	10	10	0	10	6%	0%				
Control House	ea.	1	1	0	1	8%	0%				
Shunt Reactors (MPT)	ea.	10	10	0	10	4%	0%				
Oil Minder Pump	ea.	10	10	0	10	4%	0%				
CREWS: 0 HEADCOUNT: 0											

HIGH LONESOME WIND FARM - PROGRESS SUMMARY

TURBINE #	1 2 3 4 5 6 7							%	TURBINE #	1 2 3 4 5 6 7 8 9								%	TURBINE #	1 2 3 4 5 6 7 8							%
	1	2	3	4	5	6	7			1	2	3	4	5	6	7	8			9	1	2	3	4	5	6	
A								0%	B									0%	C								0%
1								0%	1									0%	1							0%	
2								0%	2									0%	2							0%	
3								0%	3									0%	3							0%	
4								0%	4									0%	4							0%	
5								0%	5									0%	5							0%	
6								0%	6									0%	6							0%	
7								0%	7									0%	7							0%	
8								0%	8									0%	8							0%	
9								0%	9									0%	9							0%	
10								0%	10									0%	10							0%	
11								0%	11									0%	11							0%	
12								0%	12									0%	12							0%	



Tuesday, July 16, 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	

Contractor	MECHANICAL COMPLETION AND COMMISSIONING STATUS					DK
	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 EOP)	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%	
UGES 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	0	0	0	0	
Turbine Erection	0	0	0	0	
WTG Deliveries	0	0	0	0	
Substation	0	0	0	0	
Transmission Line	0	0	0	0	
Commissioning	0	0	0	0	

PREVIOUS DAY ON-SITE HEAD COUNT	
Enel Green Power	4
BOP Contractor and Subs	48
Turbine Supplier	0
Substation Contractor and Subs	0
TOTAL	52
Total Project Hours	0

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

