



BORDER WINDS ENERGY PROJECT

WEEKLY PROJECT REPORT

Weekly report no:	51
Report for week period ending COB Friday:	07/17/15
Calendar week no:	29

Executive Summary

Week's Highlights

- The collection crew is in the final stage of completing the WTG to WTG MV collection system cable installation for Circuit 4. This will be followed up with completing the home run sections;
- The civil crew continued to complete crane pads ahead of the WTG component deliveries which are currently being offloaded at WTG sites on Circuit 3 and Circuit 1B;
- The majority of the punch list items at the O&M building have been corrected. The remaining items have been captured in the final punch list which were shared with Xcel on July 15, 2015;
- The main power transformer (MPT) was successfully offloaded and assembly is ongoing;
- WTG T23 has been mechanically completed and a final Walkdown has been scheduled for July 20, 2015.

Week's Key Issues

- RES received a non-conformance report (NCR) from Xcel regarding the orientation of the WTG door. The reasons were clarified and a response to the NCR is being issued next week;
- RES submitted a NCR to Vestas to address the large number of damaged blades being delivered to the project;
- New Pennella WTG turning gears at T40 required a special order for installation which was not conveyed to RES which lead to a 6 hour delay for the top off crew and also resulted in damage to the turning gear which was out of phase;
- Work was affected due to frequent lightning stand downs, high winds and inclement weather.

Safety

Type	Lost Time	Recordable Injury (Medical Aid)	Minor Injury (First Aid)	Equipment Property Damage	Near Miss	Safety Walks
Current Period	0	0	0	2	2	16
Project To Date	1	3	12	34	82	604

*Full description of week's Safety Log plus the formulas for TRIR and Safety index calculation in Exhibit 2.

TRIR: Previous Week = 2.90 / Current week = 2.60

RES Safety Index: Previous Week = 0.73 / Current week = 0.69

Weeks Highlights:

- Senior HSQE Manager, Dominic Mincone, completed W110 Self Rescue Climb training with team members;
- A BBQ was held onsite for team members to show appreciation for their hard work.

Weeks Issues:

- Two property damage incidents occurred this week:
 - Team members overloaded the bed of a pickup truck with materials and some of the materials made contact with the back window shattering it;
 - A storm that passed through the area which dropped hail resulting in a cracked windshield.

Project Work Hours:

- Weekly Man-hours: 21,847
- Total Project Man-hours: 306,763
- Hours since Last Recordable Injury: 37,135



Environmental

Type	Major Incident	Minor Incident	Near Miss	Observation
Current Period	0	3	0	2
Project to Date	0	71	6	55

*Full description of week's Environmental Report and Rolling Incident Score formula in Exhibit 2.

Rolling Incident Score: Previous week: 0.70/ Current Week: 0.68

Week's Highlights:

- Completed fixing the silt fence at the substation that was damaged during construction;
- Continuing to recycle materials on site.

Week's Issues:

- Three leaks occurred which were controlled, cleaned and disposed in the contaminated soil bin:
 - 20 gallon leak from the LR 1300 crane after the hydraulic hose tore due to a kink while moving through the farmer's field between T16 to T15;
 - 3 spots of approximately 1/2 gallon of diesel oil from unknown source were found on the ground in front of the recycling bin in front of the laydown yard;
 - 2 gallons of diesel leaked from a dump truck that was parked on the shoulder on 52nd Ave on the east side of the laydown yard due uneven terrain and over filling the fuel tank.



Quality

Type	RES Issued NCRs			Client Issued NCRs		
	Issued	Open	Closed	Issued	Open	Closed
Current Period	0	0	0	0	0	0
PTD	3	0	3	8	2	6

*Full description of week's Quality Report can be found in Exhibit 4

NCRs Issued Details: NCR-2015-024 was issued by Xcel regarding the WTG door orientation. Drawing NH-268213-2 specifies that the doors should be orientated south to prevent exposure to the northerly winds. RES responded to the NCR, explaining that in some cases the WTG bases need to rotate slightly to accommodate the conduit placement. This changes the door orientation 12 degrees for few turbines, but RES believes that the intent of Note 5 of drawing NH-268217-203 has been achieved;

RES CPARs Issued Details: NCR CPAR 23053-004 was issued to Vestas concerning the high number of WTG blades being delivered to site in a damaged condition.

Week's Highlights:

- Building & Earth (B&E): Checking densities for collector trench backfills, roads, testing Class 5 material gradations every 2500cy, witnessed proof rolls for crane pads, conducted compaction tests for crane pad base course and clay lifts to achieve subgrade, and sampling of grout and breaking of cubes;
- Working on job books and supplying information in coordination with the turbine team for the completion and submittal of the Vestas MC books;
- Monitored grouting at T-30, T-31, T-32, T-33, T-38, T-51, and T52 & T-53;
- Inspected MV collection system trench backfills.

Week's Issues:

- A TEF was submitted requesting information for the stair pads, the detail on the drawing is on hold.
- B&E reported that the gradation samples taken from the Class V material exceeded the 10% specification for sieve 200. Base course material application was postponed until the pit was visited and samples were taken. The pit had begun crushing in a different location and this is believed to be the cause of the higher fines noted in the test results. The sieve analysis from the pit was within tolerance and the base aggregate material delivery was resumed.



SCHEDULE STATUS

Project duration	68
No. of weeks into contract	53
Contract time passed (%)	78%

Key Activities (Construction)	Weighted %	Percent Complete		
		Contract Schedule	Construction Schedule	Actual
Design Engineering	2.5%	100.0%	100.0%	100%
Roads & Crane Pads	20.0%	100.0%	85.0%	78%
Foundations	20.0%	100.0%	100.0%	100%
Collection System	21.5%	92.0%	86.0%	79%
Substation	15.0%	97.0%	94.0%	71.3%
O&M Building	6.0%	100.0%	97.0%	97%
WTG Delivery, Erection, & MCC	15.0%	42%	42%	27.3%
Overall Actual Percent Complete				75.7%

PROGRESS REPORT

PERMIT STATUS

Permit Type / Description	County / State	Responsible Group	Date Needed By	Status
FAA NOTAM	Federal	RES	Construction	OPEN
FAA Part 2	Federal	RES	Final Height	OPEN

CONSTRUCTION STATUS

Certificates	Total	Submitted	Signed
Foundation Completion Certificate	75	71	71
Mechanical Completion Certificate	75	0	0
Electrical Works Completion Certificate	1	0	0
Project Mechanical Completion Certificate	1	0	0
Project Substantial Completion Certificate	1	0	0
Project Final Completion	1	0	0



ROADS & CRANE PADS

Item	Weighted %	Budget	Total Completed	Total Remaining	Percent Complete
Roads	70%	Roads		80.0%	
Rough Grade	30%	137,622	152,837	(15,215)	111.1%
Sub Grade	30%	137,622	141,772	(4,150)	103.0%
1st Lift	20%	137,622	153,875	(16,253)	111.8%
Shoulders	10%	152,837	0	152,837	0.0%
Ditches	10%	152,837	0	152,837	0.0%
Crane Pads	30%	Crane Pads		74.1%	
WTG Site Ready for Delivery	30%	75	51	24	68.0%
Cut & Subgrade Compacted	40%	75	61	14	81.3%
Material Placed & Compacted	30%	75	53	22	70.7%

Road and Crane Pad Progress 78%

Comments:

- Continue maintenance of roads to support turbine delivery and transformer delivery;
- Completed eleven (11) turbine sites for delivery and eight (8) crane pads with base course.

FOUNDATIONS

Item	Weighted %	Budget	Total Completed	Total Remaining	Percent Complete
Excavations	10%	75	75	0	100.0%
Mud Mats	5%	75	75	0	100.0%
Bases	40%	75	75	0	100.0%
Pedestals	20%	75	75	0	100.0%
Earthing Kit	5%	75	75	0	100.0%
Backfill	20%	75	75	0	100.0%

Foundation Progress 100%

Comments:

- Completed



COLLECTION SYSTEM

Item	Weighted %	Quantity	Total Received	Total Remaining	Percent Complete
Deliveries	30.0%	Deliveries			100%
MV Cable	50.0%	901,972	314,910	0	100%
Fiber	40.0%	335,107	336,590	0	100%
Junction Boxes	5.0%	28	28	0	100%
Grounding Transformers	5.0%	6	6	0	100%
Installations	50.0%	Installations			67.0%
Trench	40.0%	278,230	244,840	33,390	88.0%
MV & Fiber/Ground Cable	50.0%	297,945	264,529	33,416	88.8%
Junction Boxes	10.0%	28	9	19	32.1%
Terminations	20.0%	Terminations			29.6%
MV Cable at WTG switch gear	45.0%	75	10	65	13.3%
Junction Boxes	35.0%	28	10	18	35.7%
Underground MV Splices	20.0%	27	24	0	88.9%

Collection System Progress: 78.7%

Comments:

- Collection crew continue work on Circuit 4 turbine run - Right of Way Clearing -16,991', Trenching - 17,686', Cable Installation - 18,751', Backfill of Trenching - 17,626';
- Pulled Cable into T58, T59, T39, T31, T32;
- Terminated Switchgear at T23, T24, T25, T27, T29, T41, T45, T46, T47.

O&M BUILDING

Activity Description	Weighted	Total	Remains	Completed
Design	4.0%	100%	0%	100%
Earthworks	8.0%	100%	0%	100%
Delivery	5.0%	100%	0%	100%
Building Erect and enclose	8.0%	100%	0%	100%
Grading and Drainage	6.0%	100%	10%	90%
Foundation Floor slab	9.0%	100%	0%	100%
Electrical prep, rough-in and trim out	5.0%	100%	0%	100%
Plumbing prep, rough-in and trim out	8.0%	100%	0%	100%
Internal Walls & Ceiling	9.0%	100%	0%	100%
Finishes prep, rough-in and trim out	12.0%	100%	0%	100%
HVAC	8.0%	100%	0%	100%
Septic System	4.0%	100%	0%	100%
Water Service	4.0%	100%	0%	100%
Cleaning and Shop Finish	4.0%	100%	0%	100%
Security System & Fence	4.0%	100%	13%	87%
Landscaping	1.0%	100%	90%	10%
Asphalt	1.0%	100%	100%	0%
Total				97%

Comments:

- The majority of the punch list items have been corrected. The remaining items have been captured in the final punch list shared with Xcel on July 15, 2015;
- RES has transferred all building access control to Xcel and will coordinate with Xcel for building access to address the remaining items on the punch list;
- XCEL and Vestas are continuing receiving equipment at the O&M;
- Xcel will inform RES when VTI can be back on site for the final site visit to integrate with Xcel's server and equipment;
- Water quality test results are pending;
- TCS Nursery has received the wind break trees and will require one week of notice prior to mobilization;
- Remaining grading work outside the fence will commence in the end of July and landscaping work will follow;
- Asphalt work will be performed in mid-August.

SUBSTATION

Item	Weighted %	Budget	Total Completed	Total Remaining	Percent Complete
Engineering	10%	Engineering			100%
IFC Drawings	100%	100%	100%	0%	100%
Procurement and Delivery	20%	Procurement and Delivery			97%
Foundation Rebar & Cages	5.00%	100%	100%	0%	100.00%
Breakers - Low and High Sides	15.00%	100%	100%	0%	100.00%
Reactors, Cap Back and Switchers	20.00%	100%	100%	0%	100.00%
MPT 230/34.5kV	10.00%	100%	100%	0%	100.00%
Grounding Transformer	5.00%	100%	100%	0%	100.00%
EEE - Control Building with DC Station	15.00%	100%	100%	0%	100.00%
Grounding Wire, Rods and Accessories	5.00%	100%	100%	0%	100.00%
Dead End and Static Mast	5.00%	100%	100%	0%	100.00%
Structural Steel and Bus	10.00%	100%	100%	0%	100.00%
MET Tower Foundation	5.00%	100%	100%	0%	100.00%
Chain Link Fence and Gates	5.00%	100%	30%	70%	30.00%
Construction	70%	Construction			60%
Site Preparation & Grading	3.00%	100%	95%	5%	95.00%
Site Aggregate and Finishing Rock	3.00%	100%	60%	40%	60.00%
Foundations work for substation	9.00%	100%	100%	0%	100.00%
Breakers, Switches, PTs, CTs	12.00%	100%	70%	30%	70.00%
Reactors, Cap Back and Switchers	8.00%	100%	60%	40%	60.00%
EEE - Energize and Finish	4.00%	100%	70%	30%	70.00%
Ground Grid, Conduits, Trenwa	12.00%	100%	70%	30%	70.00%
Structural Steel, Risers, Bus	12.00%	100%	80%	20%	80.00%
Collection Risers/Feeders and GTs	8.00%	100%	70%	30%	70.00%
EEE Wire Pull, Termination and Test	5.00%	100%	50%	50%	50.00%
SCADA Fiber Optic Cables Pull	4.00%	100%	0%	100%	0.00%
Chain Link Fence, Gates	4.00%	100%	0%	100%	0.00%
MPT Testing and Commissioning	4.00%	100%	80%	20%	80.00%
MET Tower Install, Wiring and Testing	4.00%	100%	25%	75%	25.00%
Substation Commissioning	6.00%	100%	0%	100%	0.00%
Hand over of Job Books	2.00%	100%		100%	0.00%

Substation Progress 71.3%

Comments:

- Set MPT began assembly;
- Terminating control wire for HV breaker;
- Terminating wiring for cap banks and reactors;
- EPC began testing at the substation;
- Grading continues for fill material at substation;
- Installing fencing at substation;
- Terminations continue in EEE for control wiring;
- Interconnected ground grid for Border Winds and Peace Garden Substations.



TURBINES

Item	Weighted %	Quantity	Total Received	Total Remaining	Percent Complete
Deliveries	20.0%	Deliveries			54.5%
Base	15.0%	75	42	33	56.0%
Mid	14.0%	75	38	37	50.7%
Upper Mid	14.0%	75	41	34	54.7%
Top	14.0%	75	41	34	54.7%
Nacelle	14.0%	75	41	34	54.7%
Hub	14.0%	75	42	33	56.0%
Blades	15.0%	75	41	34	54.7%
Installations	50.0%	Installations			27.3%
Base	17.0%	75	40	35	53.3%
Mid	16.0%	75	18	57	24.0%
Upper Mid	16.0%	75	23	52	30.7%
Top	17.0%	75	14	61	18.7%
Nacelle	17.0%	75	14	61	18.7%
Blades	17.0%	75	14	61	18.7%
MCC & Commissioning	50.0%	Terminations			0%
Walk downs	33.3%	75	0	75	0.0%
MCC Submitted	33.3%	75	0	75	0.0%
MCC Signed	33.4%	75	0	75	0.0%

Turbine Progress: 27.3%

Week's Highlights

- RES was ready to walk the first MC tower T23 on July 18, 2015;
- Additional personnel attended training and are now climb certified;
- Team leaders were trained in tower rescue;
- LR 1600 has finally passed all the sites without bases stacked.

Week's Issues

- LR 1300 became stuck during the crane walk from T16 to T15 on July 15, 2015. The crane suffered hydraulic line damage and was out of operation until repairs were completed on July 18, 2015;
- During T-40 blade installation, new Pennella turning gears required a special order for installation of which RES was unaware. This led to a 6 hour delay for the top-off crew and also damage to the turning gear that was out of phase;
- Turbine installation and deliveries were affected due to frequent lightning stand downs and inclement weather;
- Lower-mids were not being delivered in sequence.

Exhibit 1 – Site Photographs



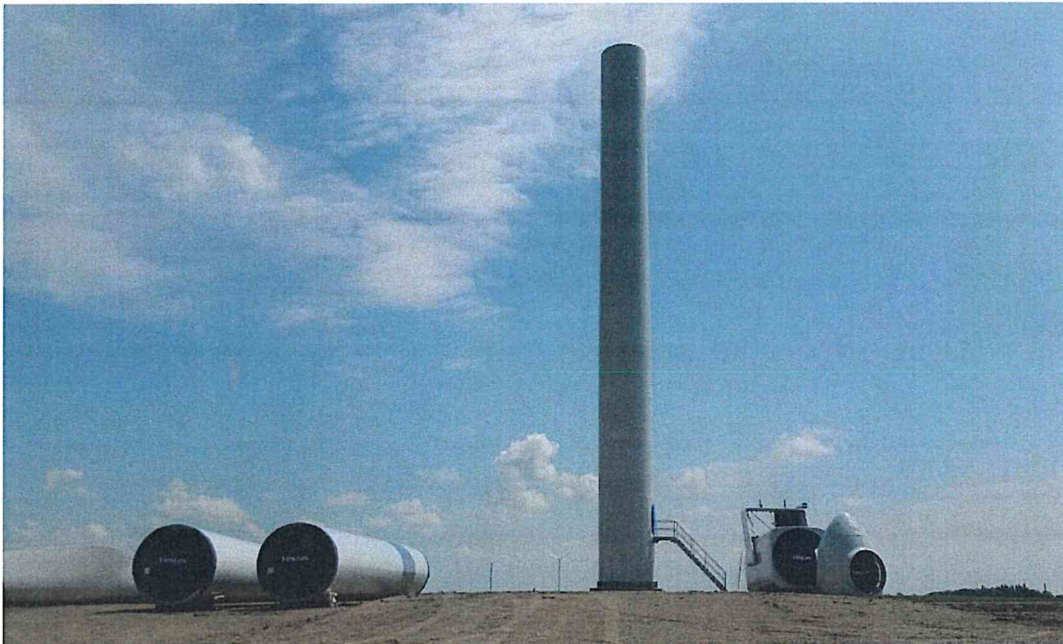
Substation – Transformer



Substation



Main Crane at T41



Base and Lower mid installed at T37



Turbine erection at T2



Turbine at T45



Exhibit 2 – Safety Log

Formulas for TRIR and RES Safety Index calculation:

$$\text{TRIR} = ((\text{Lost Time} + \text{Medical Aid}) * 200,000) / \text{Total Project Man Hours} \quad ((1+1) * 200,000 / \text{Total Project Man Hours})$$

$$\text{RES Safety Index} = ((\text{Lost Time} * 64) + (\text{Injury} * 16) + (\text{Minor Injury} * 4) + (\text{Damage} * 1) + (\text{Near Miss} * 0.25)) / \text{Man Hours} * 1000$$

$$((1 * 64) + (1 * 16) + (10 * 4) + (26 * 1) + (74 * .25)) / \text{Total Project Man Hours} * 1000$$

#	Date:	Incident Observed During:	Incident Type:	Company Involved:	Incident Details:	Corrective Action Details:	Actions Taken to Prevent Reoccurrence:
716	7/13/2015	Safety Walk	Safe Work Observation	RES Americas	All team members that were participating in climb training followed the JHA and pre climb instructions.	None, this was a Safe Observation.	None, this was a Safe Observation.
717	7/13/2015	Safety Walk	Hazard Observation	RES Americas	During climb training the JHA needed to identify pinch points when climbing the tower.	Pinch points were added to the climbing JHA and those participating in the training were briefed on the hazard as it applied to climbing.	Instruction for training added the pinch point to his training notes for future use when conducting training.
718	7/14/2015	Safety Walk	Safe Work Observation	RES Americas	An Electrical Inspector recognized that she was going to need climb training in order to enter the tower basement to inspect components. The inspector got with the Senior HSQE manager in order to get the necessary training to perform her inspections safely.	None, this was a Safe Observation.	None, this was a Safe Observation.
719	7/13/2015	Safety Walk	Safe Work Observation	RES Americas	Before beginning erection tasks employees that were going to perform the work donned task specific PPE.	None, this was a Safe Observation.	None, this was a Safe Observation.
720	7/13/2015	Safety Walk	Safe Work Observation	RES Americas	Crews participating in the lifting of components attached tag lines to components for control of the component while lifting.	None, this was a Safe Observation.	None, this was a Safe Observation.



#	Date:	Incident Observed During:	Incident Type:	Company Involved:	Incident Details:	Corrective Action Details:	Actions Taken to Prevent Reoccurrence:
721	7/14/2015	Safety Walk	Hazard Observation	RES Americas	Wood decking outside of the office becomes extremely slick when wet.	Site Safety Supervisor bought slip grip to put down on the wood when the sections are dry. Also crews reminded to use hand rails and three points of contact when entering and exiting trailers on deck.	Slip grip traction strips were applied to the dry decking for added traction when wet.
722	7/13/2015	Normal Work Activities	Damage	RES Americas	Lonnie Laquey reported that in the evening of 12July2015 a hail storm came through Rolla, ND, causing hail damage to the windshield of his work truck	None, this was a Safe Observation.	Act of God, insurance company would classify this incident, weather related.
723	7/14/2015	Normal Work Activities	Damage	RES Erection	Safety Supervisor (Vernon George) called out to T-41 report on a RES truck sustained damage, back window shattered out.	Tim Grant and Andrew Cruz will need to go through retraining on materiel handling RESWP-011, both will be issued strikes.	Both employees will be retrained in materiel handling, RESWP-011 by their supervisor.
724	7/13/2015	Safety Walk	Safe Work Observation	Rosendin Electric	JHA very good, all permits signed and in place, all PPE used, overall everything looked good. I have seen good improvement.	None, this was a Safe Observation.	None, this was a Safe Observation.
725	7/13/2015	Safety Inspection	Hazard Observation	RES Erection	During my Site Inspections, Safety Supervisor (Vernon George) identified 2 fire extinguishers mounted on 2 containers did not have monthly inspections.	These fire extinguishers had just been mounted, so new inspection completed by Safety Supervisor (Vernon George).	These were newly installed so inspections are now complete, no strikes will be issued.
726	7/13/2015	Safety Walk	Safe Work Observation	RES Earth and Cable	RES employee performing work on the tool trailer, good JHA, explanation of JHA, proper tools for the job, great job.	None, this was a Safe Observation.	None, this was a Safe Observation.



#	Date:	Incident Observed During:	Incident Type:	Company Involved:	Incident Details:	Corrective Action Details:	Actions Taken to Prevent Reoccurrence:
727	7/15/2015	Normal Work Activities	Near Miss	RES Erection	RT-Crane moving down county 52 hit a bad spot in the road causing the RT-Crane to bounce off the main road into the ditch.	Bad section in road needs to be repaired.	This section of the road has been an ongoing problem it has been repaired weekly; drivers need to use caution when approaching this section of the road.
728	7/9/2015	Safety Walk	Safe Work Observation	RES Earth and Cable	Employees working to replace a hose on a pump used great communication and took every step needed to ensure no injuries took place during the task.	None, this was a Safe Observation.	None, this was a Safe Observation.
729	7/9/2015	Safety Walk	Safe Work Observation	RES Earth and Cable	While driving on county road 52 a large truck stopped to take a call. The operator stopped, activated his hazards and then waved vehicles behind him to pass.	None, this was a Safe Observation.	None, this was a Safe Observation.
730	7/15/2015	Normal Work Activities	Safe Work Observation	RES Erection	The operator of a crane was driving and due to road conditions began to drive over rough terrain and drifter toward the side of the road. Recognizing that the crane was going to go over the shoulder of the road, the operator deployed the crane outriggers which prevented the crane from tipping over.	None, this was a Safe Observation.	None, this was a Safe Observation.
731	7/16/2015	Normal Work Activities	Near Miss	American Wind Transport	Safety Supervisor (Vernon George) called out to the enter section of 106 and 52nd, a Nacelle truck was turning off of 106 on to 52nd could not make the turn, the turn radius was not prepared to bring this component down this route.	Discussed with American Wind Transport lead and VESTAS that all components need to stick to planned routes.	American wind transport from this point forward is only to take site planned delivery routes.



#	Date:	Incident Observed During:	Incident Type:	Company Involved:	Incident Details:	Corrective Action Details:	Actions Taken to Prevent Reoccurrence:
732	7/15/20 15	Safety Walk	Safe Work Observation	RES Erection	Crews that were offloading components had great communication on site ensuring everyone knew what was going on.	None, this was a Safe Observation.	None, this was a Safe Observation.
733	7/15/20 15	Safety Walk	Safe Work Observation	RES Erection	Crews that were offloading components used extra taglines in order to better control off load of materials.	None, this was a Safe Observation.	None, this was a Safe Observation.
734	7/15/20 15	Safety Walk	Safe Work Observation	RES Erection	Before the offload of components crews walked the site looking for slip, trip and fall hazards.	None, this was a Safe Observation.	None, this was a Safe Observation.
735	7/15/20 15	Safety Inspection	Safe Work Observation	RES Erection	Section 16 PPE Completed. Adequate at the time of Inspection	None, this was a Safe Observation.	None, this was a Safe Observation.
736	7/15/20 15	Safety Inspection	Safe Work Observation	RES Americas	Section 17 Work at Height completed. Adequate at the time of inspection.	None, this was a Safe Observation.	None, this was a Safe Observation.



Exhibit 3 – Environmental Log

Formula for the Rolling Incident Score =

$$((\text{Major Incident} * 16) + (\text{Minor Incident} * 4) + (\text{Near Miss} * 0.25) + (\text{Observation} * 0)) * 1000 / \text{Total Man Hours}$$

#	CLASS	SUB-CAT	CONTRACTOR	DATE	INCIDENT DETAILS	ACTION TAKEN TO CORRECT SITUATION	ACTION TAKEN TO PREVENT REOCCURANCE
87	Observation	Informational	All	7/11/2015	2 gallons of diesel leaked from the dump truck that was parked on the shoulder on 52nd Ave on the east side of the Laydown yard. The leak was within the slope of the road shoulder. The leaked occurred due to the tilted parking ground and over filling the fuelling tank.	The spoil was collected using a backhoe and disposed in the contaminated soil bin. The leak was controlled by moving the truck to a level ground and wiping all diesel on the truck.	Advised the driver to avoid overfilling the fuel tank, park on level ground and avoid parking far into the shoulder.
88	Minor Incident (Below RQ)	Equipment Failure or leak	Austin Harris	7/14/2015	3 spots of approximated .5 gallon of diesel oil from unknown source were found on the ground in front of the recycling bin in front of the laydown yard.	The spoil was collected using a backhoe and disposed in the contaminated soil bin.	Advised everyone to inspect their vehicle for leaks every morning.
89	Minor Incident (Below RQ)	Equipment Failure or leak	All	7/15/2015	Damaged silt fence on the east side of the substation due to construction activity.	The BMP were installed correctly.	Keep safe distance from the BMPs while working. Inspect BMPs and repair if damaged.
90	Observation	Lack of or Damaged BMP	All	7/16/2015	Approx. 20 gallon of hydraulic oil leaked on the ground in the middle of a farmer's field during the crane walk from T16 to T15. The hydraulic pipe tore due to a kink while moving through dirt.	The spoil was collected using a backhoe and disposed in the contaminated soil bin. The leak was controlled by placing a bucket under the pipe. The leaked hydraulic was cleaned using absorbent pad and pillow 5 gallon container (0.25 ft3)	Advised everyone to inspect their vehicle for leaks every morning.
91	Minor Incident (Below RQ)	Equipment Failure or leak	RES	7/16/2015	The fixed silt fence was removed to install grounding cable to the peace garden	The BMP were installed correctly.	Inspect BMPs and repair. Check for immediate construction activity in the



#	CLASS	SUB-CAT	CONTRACTOR	DATE	INCIDENT DETAILS	ACTION TAKEN TO CORRECT SITUATION	ACTION TAKEN TO PREVENT REOCCURANCE
					switch yard.		area.
92	Observation	Lack of or Damaged BMP	All	7/11/2015	2 gallons of diesel leaked from the dump truck that was parked on the shoulder on 52nd Ave on the east side of the Laydown yard. The leak was within the slope of the road shoulder. The leaked occurred due to the tilted parking ground and over filling the fuelling tank.	The spoil was collected using a backhoe and disposed in the contaminated soil bin. The leak was controlled by moving the truck to a level ground and wiping all diesel on the truck.	Advised the driver to avoid overfilling the fuel tank, park on level ground and avoid parking far into the shoulder.



Exhibit 4 – Quality Log

- Incidents - None
- CPARs - 1
- NCRs - 9

NCR log

Description of Material	NCR Opened (Current Period)	NCR Closed (Current Period)	Total NCR Open (As of this Week)	Total NCR Closed (As of this Week)
Totals	2		4	6
NCR CPAR 23053-004 Sent to Vestas concerning the high rate of damage to the turbine blades during shipping	X			
NCR-2015-024 Concerning tower door to be facing south.	X			
NCR-2015-016 Backfills and compactions of the turbine bases in freezing conditions			X	
NCR-2014-38, T3 grounding was not installed per specifications			X	



Exhibit 5 – RFI Log

Outgoing RFIs

	Generated By	Company	Sent To	Company	Subject	Date Sent	Response Requested By	Type: Civil, Electrical, etc.	Status / Comments	Date Closed
23053-030	Shabeeb Khader	RES	Bradley Morrison	Xcel Energy - Generation	Install crushed aggregate on the substation site	10/31/14	11/6/14	Civil	Xcel Responded. RES to perform density test.	
23053-096	Emad Alaydi	RES	Ritchie Farmer	Vestas	Ice detection documentation	06/22/15	06/29/15	SCADA	Vestas responded on 6/23/15. Requested additional information from RES	
23053-098	Emad Alaydi	RES	Ritchie Farmer	Vestas	VPN Tunnel in tunnel communication	06/25/15	07/02/15	Turbine		
23053-099	Jessica Coffey	RES	Ritchie Farmer	Vestas	Communication cable installation	06/29/15	07/06/15	Turbine		07/14/15
23053-103	Shabeeb Abdul Khader	RES	Peter Doherty	Xcel Energy - Generation	Specification for turbine sign	07/17/15	07/24/15	Turbine		



Exhibit 6 - Change Order Request Log

CO No.	Date Identified	Date Submitted	Date Executed	Description	Value of CO	Comments
1	06/11/15			Change in the landscaping design - larger trees for windbreak at O&M	\$ 3,176.00	RES and Xcel agreed to split total cost of \$6,352.00
2	06/11/15			Storm shelter changes at O&M	\$ 11,000.00	RES to request additional information from ABS on who directed the changes
3	06/11/15			Changes in final design vs specification of electrical layout at O&M	\$ 11,151.00	RES is still working through the changes
4	06/11/15			Changes in security system at O&M	\$ 8,936.00	Xcel requested breakdown of changes and the delta
5	06/11/15			Changes in the Control Building - Increasing the station service transformer, additional switch requests, and additional landings at entrance doors	\$ 36,141.00	<p>Station Service transformer sizing – Original station service transformer sizing was done at 50kVA. This was based on historic numbers initially and was later proven by station service calculations. Xcel requested to change this to 100kVA, since that is the Xcel standard (was requested at the 90% design review meeting). RES reviewed the Xcel standards provided and did not see this requirement anywhere in the standards provided. This increase in station service size also required upgrading multiple disconnect and safety switches from 200A to 400A rating in order to meet the requirements of the 100kVA station service transformer to be installed per the Xcel direction/request.</p> <p>Additional switch requests - Xcel requested during the 90% design review meeting that safety disconnect switches be moved from inside the control building to the outside. This requires the installation of waterproof cabinets for the switches. Xcel also requested an additional yard cabinet to connect and supply larger equipment from the AC system.</p> <p>Addition of landings at entrance doors – this was added at the 90% design review meeting per Xcel request and was not evident for the provided Xcel specifications.</p>



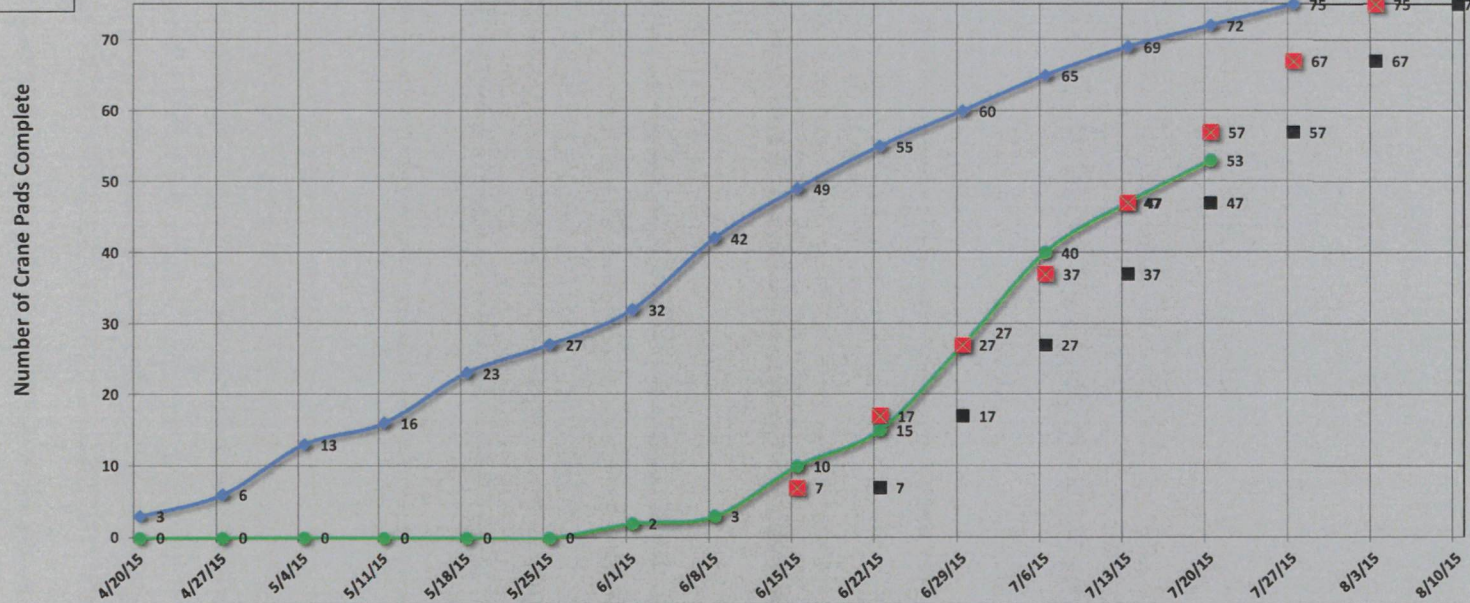
CO No.	Date Identified	Date Submitted	Date Executed	Description	Value of CO	Comments
6	06/11/15			Upgrade from SEL351 to SEL421 relay and bus relays at the substation	\$ 163,789.00	Industry standard for wind farm collection circuits are to install SEL351 relays (O/C & G/F) relays to protect the collector systems. Collection systems (although balanced) are considered distribution circuits, since they are four wire systems, with a ground reference transformer connected to each circuit. The collection circuits are insulated to 150kV BIL, which is further evidence that they are considered as distribution feeders (compared to the 200kV BIL insulation levels typically associated with transmission lines/circuits). Xcel identified the requirement to install SEL 351 relays on Distribution feeders. During design review meetings, Xcel classified these as transmission lines and required the installation of step distance protection (SEL421 relays). This resulted in additional cost. The 34.5kV bus differential relays subsequently were also upgraded from distribution bus relays to transmission class bus diff relays with 100% redundancy
7	06/11/15			Addition of three additional shield masts at the substation	\$ 73,838.00	The original substation design utilized a combination of shield masts and shield wires in order to establish a lightning shielding system for the substation equipment. During the 60% design review meeting Xcel indicated they do not allow shield wires to span over top of equipment and requested that the shield wires be removed and that lightning shielding protection be done with shield masts. This requirement is not seen in any of the supplied specifications. This required the addition of 3 additional shield masts and thus additional cost.
8	06/11/15			Addition of anchor/rigging points for the oil containment based on the change to above ground containment system at the substation	\$ 36,907.00	Xcel required an above grade containment system with a removable wall and built in rigging/anchor points in the containment system. This was not evident in any of the provided specifications or the contract agreement. The above grade construction as such does not add cost, but the inclusion of the removable wall and the addition of the anchor/rigging points that is integrated into the oil containment system does add cost
9	06/11/15			Addition of separate relay/plc controller to control the capacitor banks at the substation	\$ 23,510.00	Typical capacitor bank controls on wind farms are done by the wind farm controller through the SCADA system. Xcel requested during the 90% design review not to control the equipment through the SCADA system, but rather have a separate relay/plc controller to control the capacitor banks. This required the installation of an additional relay in order to have a dedicated controller for the capacitor banks. This was not evident from any of the supplied specifications, since Xcel does not have a standard specification for 34.5kV capacitor banks.



CO No.	Date Identified	Date Submitted	Date Executed	Description	Value of CO	Comments
10	06/11/15			Upgrade to the capacitor bank interlock system	\$ 10,846.00	Typical interlocks for capacitor banks only include a time delay after opening the associated capacitor/circuit switched to release a key that will unlock the ground switch and lock the switcher in the open position. Xcel requires a much more elaborate system, which in turn costs more. This was not identified in any of the supplied standard and was determined as designs progressed.
TOTAL					\$ 379,294.00	

Last Updated: 7/20/2015

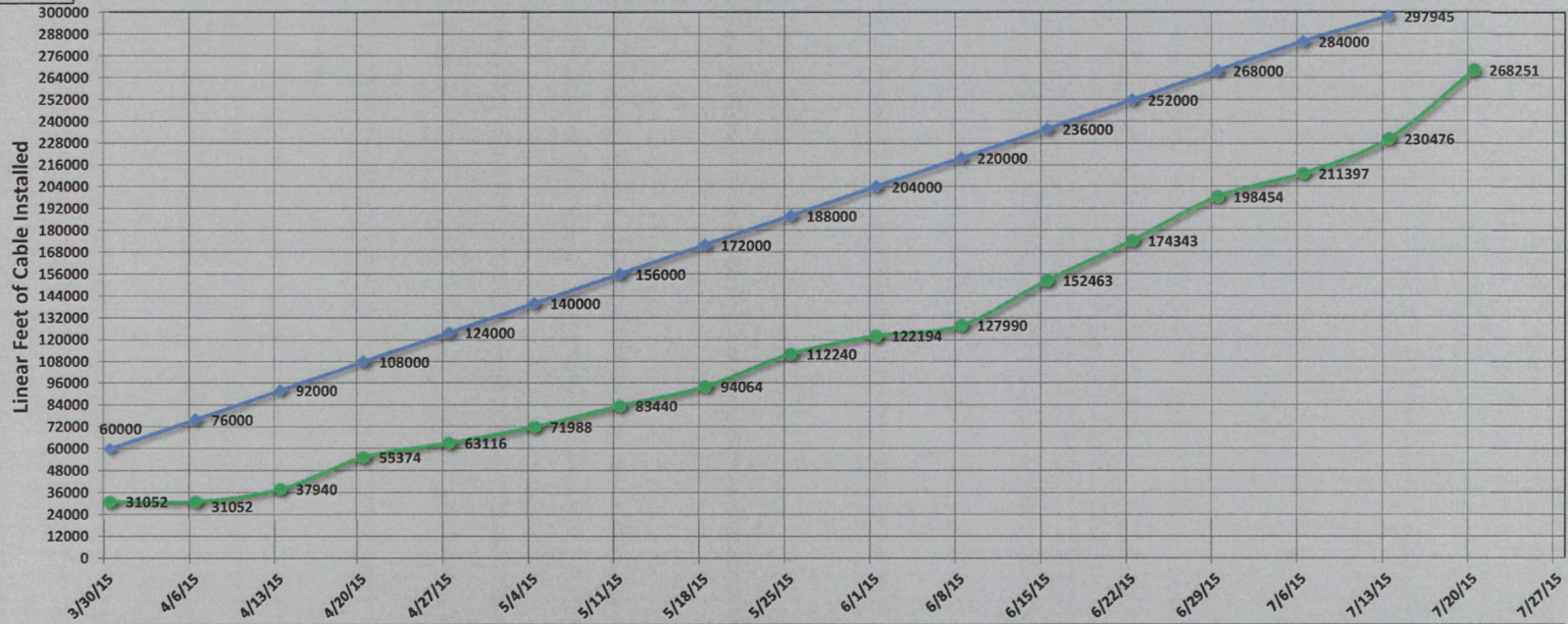
Border Winds - Crane Pad Completion Progress Chart



	4/20/15	4/27/15	5/4/15	5/11/15	5/18/15	5/25/15	6/1/15	6/8/15	6/15/15	6/22/15	6/29/15	7/6/15	7/13/15	7/20/15	7/27/15	8/3/15	8/10/15
Planned Crane Pads Complete	3	6	13	16	23	27	32	42	49	55	60	65	69	72	75		
Actual Crane Pads Complete	0	0	0	0	0	0	2	3	10	15	27	40	47	53			
Anticipated WTG Deliveries									7	17	27	37	47	57	67	75	
Guaranteed WTG Deliveries										7	17	27	37	47	57	67	75

Last Updated: 7/20/2015

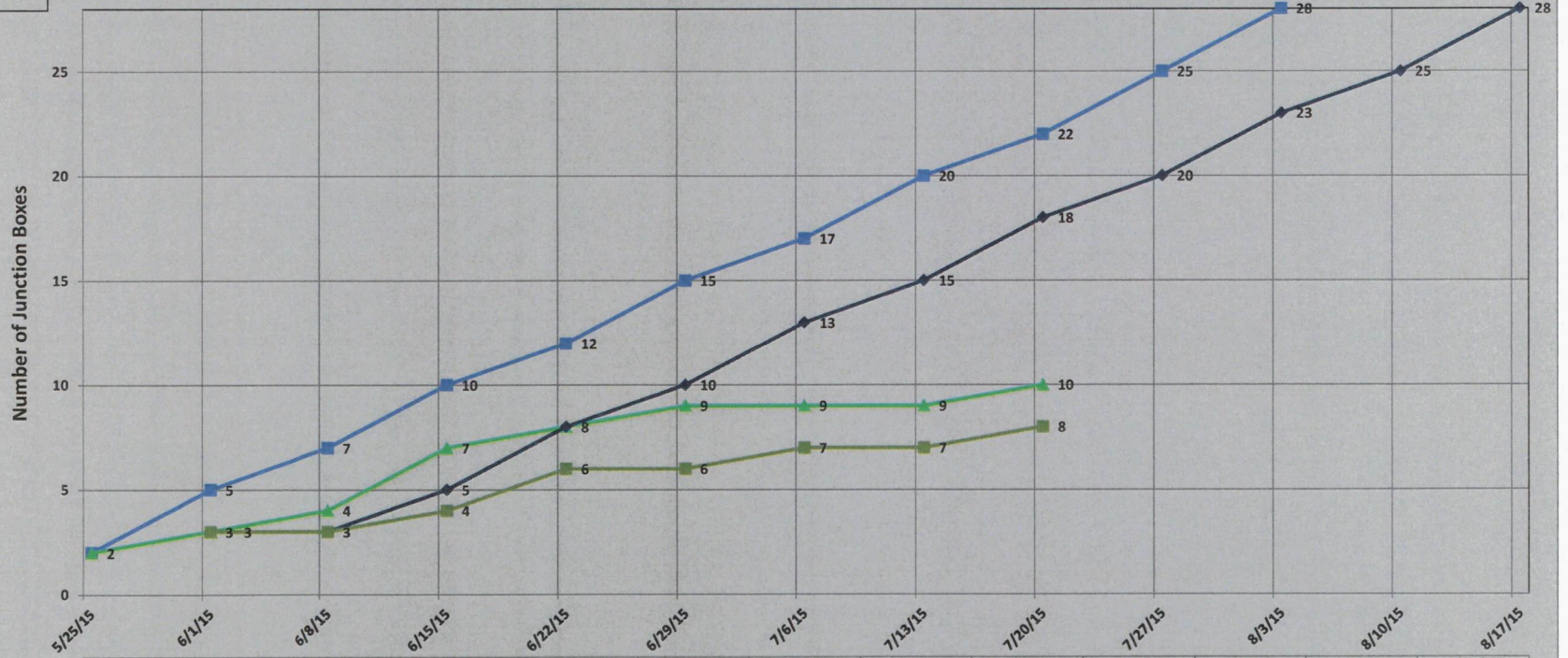
Border Winds - Cable Installation Progress Chart



	3/30/15	4/6/15	4/13/15	4/20/15	4/27/15	5/4/15	5/11/15	5/18/15	5/25/15	6/1/15	6/8/15	6/15/15	6/22/15	6/29/15	7/6/15	7/13/15	7/20/15
Planned Cable Installation	60000	76000	92000	108000	124000	140000	156000	172000	188000	204000	220000	236000	252000	268000	284000	297945	297945
Actual Cable Installed	31052	31052	37940	55374	63116	71988	83440	94064	112240	122194	127990	152463	174343	198454	211397	230476	268251

Last Updated: 7/20/2015

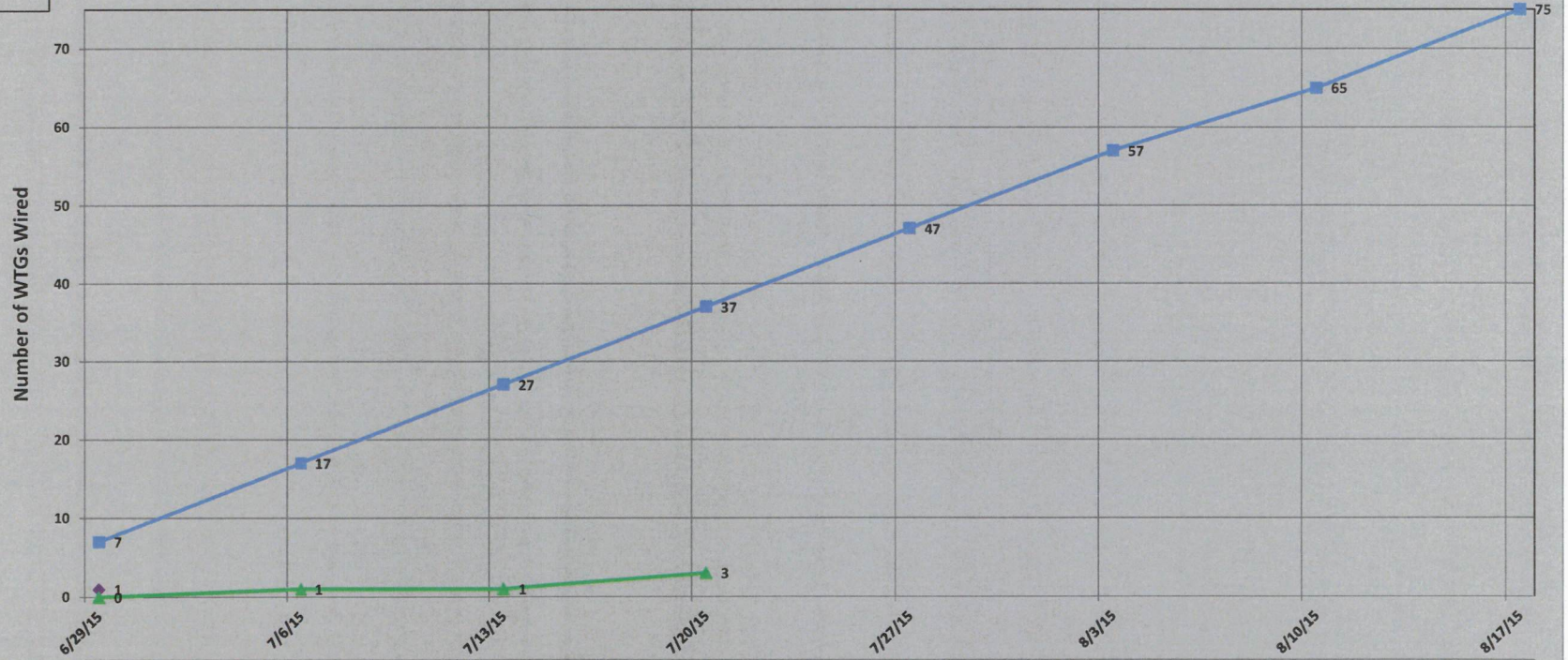
Border Winds - Junction Box Progress Chart



	5/25/15	6/1/15	6/8/15	6/15/15	6/22/15	6/29/15	7/6/15	7/13/15	7/20/15	7/27/15	8/3/15	8/10/15	8/17/15
Planned JB Setting	2	5	7	10	12	15	17	20	22	25	28		
Actual JB Setting	2	3	4	7	8	9	9	9	10				
Planned JB Terminations		3	3	5	8	10	13	15	18	20	23	25	28
Actual JBs Terminated		3	3	4	6	6	7	7	8				

Last Updated: 7/20/2015

Border Winds - WTG Wiring Progress Chart

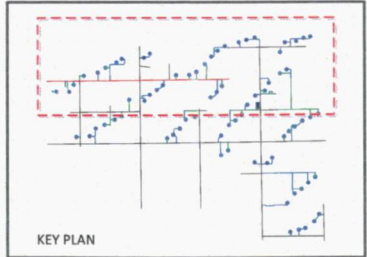
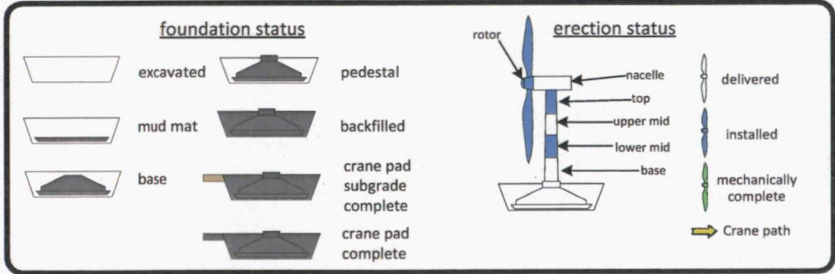
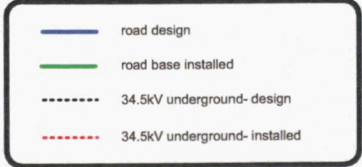
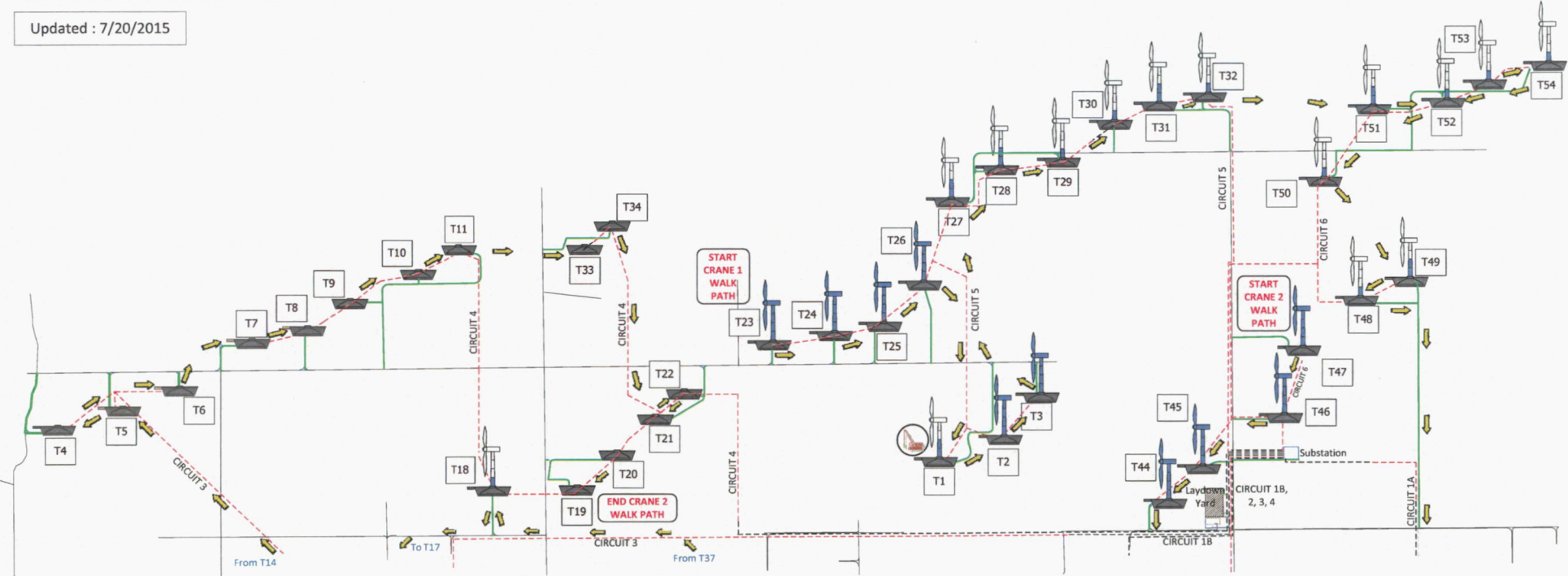


	6/29/15	7/6/15	7/13/15	7/20/15	7/27/15	8/3/15	8/10/15	8/17/15
WTGs Ready to Wire	1							
Planned WTG Wiring Completion	7	17	27	37	47	57	65	75
Actual WTG Wiring Completed	0	1	1	3				



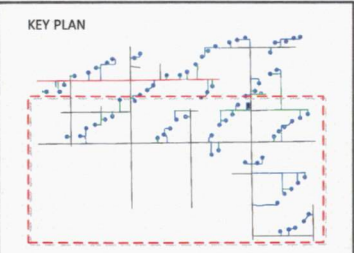
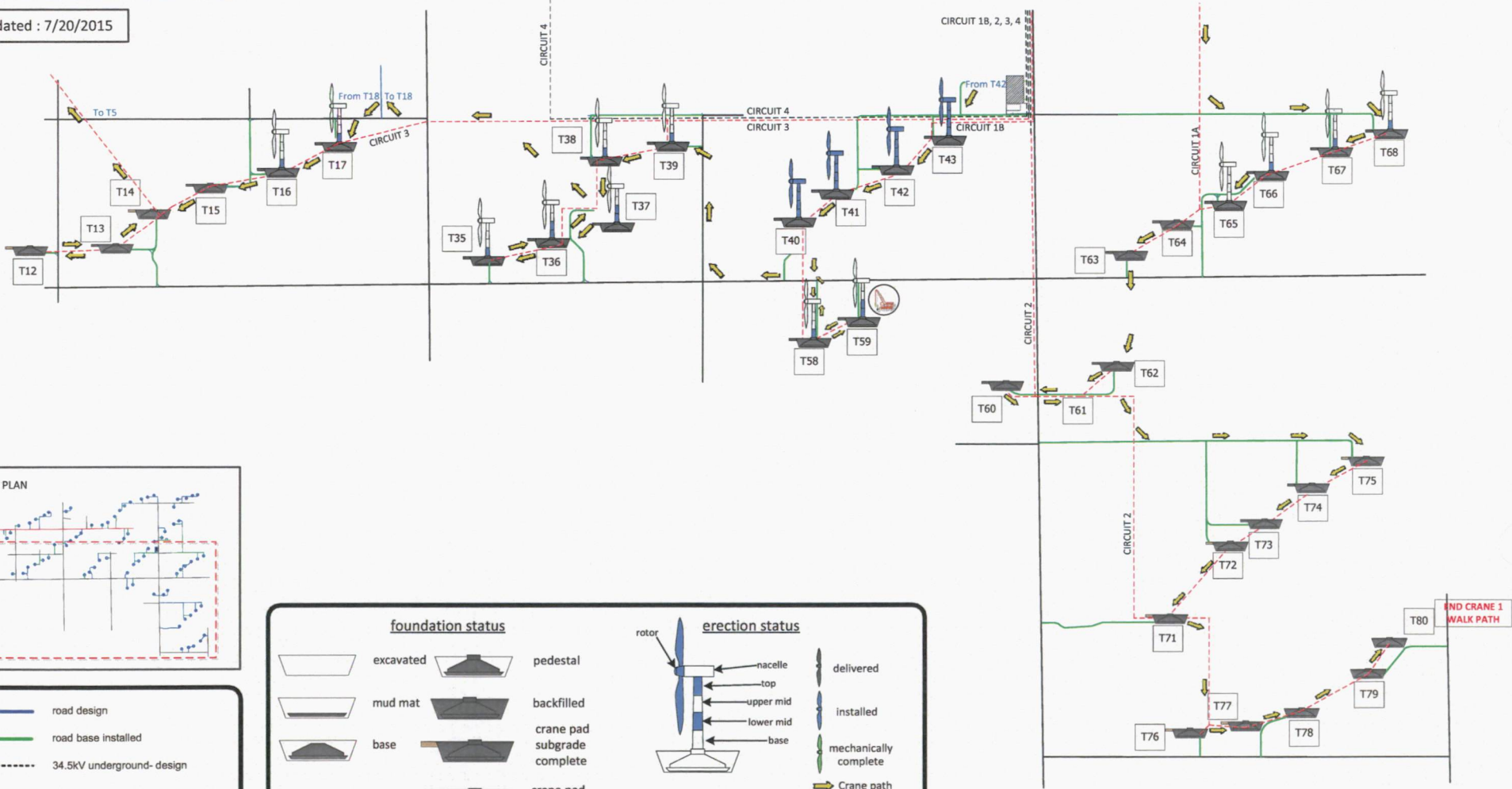
Updated : 7/20/2015

Border Winds – North Construction Progress Status Map



Border Winds – South Construction Progress Status Map

Updated : 7/20/2015



- road design
- road base installed
- - - 34.5kV underground- design
- - - 34.5kV underground- installed

foundation status		erection status	
	excavated		pedestal
	mud mat		backfilled
	base		crane pad subgrade complete
			crane pad complete

erection status	
	delivered
	installed
	mechanically complete
	Crane path