

Bowman Wind Project **Summary of Project Adjustments**

Since Bowman Wind LLC, (Bowman Wind) filed its Certificate of Site Compatibility Application (Application) on March 26, 2021, Bowman Wind has continued to coordinate with landowners on development of the Bowman Wind Project (Project), incorporate additional information, and generally further refine the Project boundary and layout. As a result, Bowman Wind has made minor adjustments to the Project Boundary and Project layout, which are depicted in the Layout Comparison Figure and updated Application Figures 1-12 filed with this summary.

Project Boundary

The Project Boundary has been revised to add one 80-acre parcel based on landowner interest (pending participant) and remove approximately 1,200 acres between two landowners. Approximately 1,040 of the acres removed were previously identified as “Pending Participant” parcels that Bowman Wind determined would not be needed for the Project and a lease agreement is no longer being pursued; Bowman Wind continues to coordinate with the landowners on signing other portions of their land for the Project (still identified as “Pending Participant” parcels). The other approximately 160 acres were removed from the Project Area due to difficulties securing all signatures needed for the County permitting process; as a result, since the parcels are not required to host Project facilities or for setbacks, it was determined the parcels could be removed to ensure the Project boundary aligns in both the PSC and County permitting processes. There are now 41,110 acres in the Project Area.

Project Layout

Bowman Wind has revised the layout for constructability, to accommodate landowner input, coordinate updates between layout iterations, and to ensure compliance with the most restrictive setbacks between County and PSC requirements. Additionally, based on landowner input, Bowman Wind has added Turbine 18b to the layout as an alternate to Turbine 18a; only one of these two turbines will be constructed. The changes to the current layout impact numbers compared to the previous layout impact numbers result in an overall similar Footprint of Facilities. Notable changes include removal of a potential laydown yard that decreased temporary impacts by 15 acres and the addition of a potential turbine location, which increased temporary impacts by 5.4 acres and permanent impacts by 1.8 acres. Calculations are based on all proposed turbine locations; however, since only up to 74 turbines will be constructed, the actual temporary and permanent impacts will be less. The total acreage change between the preliminary layout and the current layout is a decrease of one half of one percent (see Table 1 below).

Table 1 Summary of Permanent and Temporary Footprint from Project Facilities (acres)^{1, 2} <i>Revised July 2021</i>					
Project Facility	Description of Footprint	Previous Layout		Current Layout	
		Temporary	Permanent	Temporary	Permanent
Turbines	50-foot radius for turbine pad	-	15.3	-	15.5
	200-foot radius for construction workspace	222.9	-	225.5	-
Access Roads	16-foot-wide road	-	63.8	-	65.6

Table 1 Summary of Permanent and Temporary Footprint from Project Facilities (acres)^{1, 2} Revised July 2021					
Project Facility	Description of Footprint	Previous Layout		Current Layout	
		Temporary	Permanent	Temporary	Permanent
	150-foot-wide construction workspace	473.3	-	487.2	-
Crane Paths	120-foot-wide corridor	454.4	-	124.6	-
Electrical Collection and Communication Lines	75-foot-wide corridor	469.7	-	488.5	-
Met Towers	75-foot by 75-foot workspace	0.4	-	0.4	-
	15-foot by 15-foot area	-	<0.1	-	<0.1
Laydown/Staging Areas	Footprint of two laydown/staging areas within the Project Area	31.9	-	16.9	-
Project Substation	Footprint of facility	-	5.4	-	5.5
O&M Facility	Footprint of facility	-	5.3	-	5.0
Battery Storage Facility	Footprint of facility	-	16.9	-	16.9
Total		1,352.7	106.7	1,343.1	108.5
¹ Bowman Wind has collocated Project facilities to minimize impacts. To avoid double counting of impacts, permanent impacts are calculated first followed by temporary impacts prioritized by electrical collection and communication lines (ground disturbing activity), then turbine workspace, then crane paths, and last access roads. ² Temporary and permanent impacts are based on all 86 proposed turbine locations; only up to 74 turbines will be constructed, so actual temporary and permanent impacts will be less than estimated.					

Land Use/Environmental Impacts Updates

Since filing the Application, two land use datasets have been updated: North Dakota Game and Fish (NDGF) Private Land Open to Sportsmen (PLOTS) and Bureau of Land Management (BLM) Grazing Allotments in the Project Area (private land open to BLM grazing). The NDGF PLOTS data in the Application included 1,296.6 acres within the Project Area; the updated PLOTS data (current as of July 1, 2021) includes 1,134 acres in the Project Area. Additionally, through the title curative process, Bowman Wind has determined that all of the BLM Grazing Allotment leases within the Project Area expired February 28, 2021. Therefore, there are no BLM Grazing Allotments in the Project Area. In addition, potential permanent impacts to delineated wetlands were eliminated, potential temporary impacts to delineated wetlands decreased and potential impacts to woodlands increased slightly. However, Bowman Wind is analyzing potential ways to further decrease temporary wetland and woodland impacts. Table 2 summarizes the potential impacts for these resources for the preliminary and current layouts. Updated Figure 7 reflects the updates to the NDGF PLOTS and BLM Grazing Allotment datasets.

Table 2 Summary of Permanent and Temporary Impacts to Environmental Resources (acres)				
Environmental Resource	Previous Layout		Current Layout	
	Temporary	Permanent	Temporary	Permanent
BLM Grazing Allotments	78.2	6.2	-	-
NDGF PLOTS	46.0	-	34.9	-
Delineated Wetlands	3.6	<0.1	2.2	-
Woodlands	2.2	0.1	2.3	<0.1