

Appendix A:
**Summary of Project Component
Modifications**

Alle-Catt Wind Energy LLC

Case No. 17-F-0282

Appendix A- Summary of Project Component Modifications

Table 1. Wind Turbine Adjustments

WTG Number	Approximate Distance Change	Reason for Change
6	up to 63-foot shift west	Microwave path setback compliance
12	up to 40-foot shift south	Reduce wetland impact
14	up to 86-foot shift northwest	Reduce wetland impact
16	up to 51-foot shift northeast	Cultural resource avoidance
18	up to 33-foot shift northwest	Microwave path setback compliance
49	up to 55-foot shift north	Non-participating surveyed property line setback
121	up to 24-foot shift west	Non-participating surveyed property line setback

Table 2. Access Road Adjustments

Nearest WTG Number	Approximate Distance Change	Reason for Change
2	Up to 180-foot shift west	Reduce wetland/stream impacts
6	Up to 800-foot shift east	Reduce wetland/stream impacts
7	Up to 800-foot shift east	Reduce wetland/stream impacts
8	Up to 65-foot shift west	Reduce the amount of grading needed
10	Up to 120-foot shift southeast	Reduce wetland/stream impacts, removal of T9
11	Up to 95-foot shift east	Move the LOD out of a non-participating parcel
12	Up to 130-foot shift southeast	Reduce wetland/stream impacts, design optimization
14	Up to 150-foot shift west	Reduce agricultural land impacts
15	Up to 60-foot west	Reduce wetland/stream impacts, shift of T16
16	Up to 290-foot shift west	Cultural resource avoidance
17	Up to 165-foot shift east	Reduce agricultural land impacts
18	Up to 280-foot shift south and 300-foot shift north	Reduce wetland/stream impacts
19	Up to 640-foot shift north	Reduce wetland/stream impacts
20	Up to 400-foot shift northeast	Reduce wetland/stream impacts/tree clearing
21	Up to 670-foot shift east	Reduce wetland/stream impacts/tree clearing, removal of T22
23	Up to 30-foot shift south	Optimize access road alignment with temporary turn for turbine delivery
24	Up to 370-foot shift north	Reduce wetland/stream impacts, addition of ADLS tower
26	Up to 100-foot shift west	Remove spur road and reduce grading/earth disturbance, removal of T27
28	50 to 90-foot shift north	Reduce wetland/stream impacts
29	Up to 100-foot shift west	Reduce wetland/stream impacts
30	Up to 80-foot shift west	Remove spur road and reduce grading/earth disturbance
31	Up to 30-foot shift	Optimize access road alignment, addition of Identiflight tower

Appendix A- Summary of Project Component Modifications

Nearest WTG Number	Approximate Distance Change	Reason for Change
33	From access from Hooper Road from the east to Pigeon Hill Road to the west	Unable to construct temporary turning improvements for component delivery
34	Up to 200-foot shift east	Reduce wetland/stream impacts/tree clearance, remove spur road and reduce grading/earth disturbance
39	Up to 370-foot shift north	Reduce agricultural land impacts
42	Up to 185-foot shift southwest	Reduce wetland/stream impacts/tree clearing, removal of T41
43	Up to 100-foot shift west	Optimize access road alignment with temporary turn for turbine delivery, reduce tree clearing
44	850 to 580-foot south	Reduce tree clearing, landowner request, addition of Identiflight tower
45	Up to 130-foot shift west	Reduce wetland/stream impacts, addition of Identiflight tower
46	100 to 200-foot shift east	Reduce wetland/stream impacts
47	Up to 100-foot shift northeast	Reduce wetland/stream impacts, remove spur road and reduce grading
49	Up to 80-foot shift east	Turbine shift, design optimization, addition of Identiflight tower
51	Up to 200-foot shift east	Reduce wetland/stream impacts
52	Up to 120-foot shift east	Reduce wetland/stream impacts
55	Up to 165-foot shift east	Design optimization due to shift to T56 access road
56	Up to 300-foot shift east	Reduce tree clearing impact to the sugar bush
57	Up to 110-foot shift southwest	Reduce wetland/stream impacts
59	Up to 150-foot shift east	Reduce agricultural land impacts
60	Up to 125-foot shift east	Reduce agricultural land impacts, design optimization
61	Up to 100-foot shift west	Temporary turn was relocated to reduce wetland impact and the road was shifted to realign with the temporary turn
64	Up to 60-foot shift east	Remove spur road and reduce grading
65	Up to 60-foot shift east	Reduce grading
66	Up to 60-foot shift east	Optimize access road alignment

Appendix A- Summary of Project Component Modifications

Nearest WTG Number	Approximate Distance Change	Reason for Change
67	Up to 120-foot shift east	Reduce wetland/stream impacts, remove spur road, reduce grading
68	Up to 165-foot shift north	Change in access road for T67
69	From access from County Road 3 to the north to Findley Road from the south	Additional transportation analysis identified access from north has poor line of sight
71	Up to 870-foot shift east	Line of sight at entrance
73	Up to 180-foot shift east	Reduce wetland/stream impacts
75	Up to 465-foot shift north	Reduce wetland/stream impacts
76	425 to 240-foot shift east	Reduce wetland/stream impacts
91	Up to 105-foot shift east and 115-foot shift southwest	Reduce wetland/stream impacts
93	Up to 165-foot shift south	Reduce grading and LOD
95	Up to 400-foot shift west	Reduce wetland/stream impacts
98	Up to 250-foot shift east	Reduce grading activities/tree clearing
105	Up to 55-foot shift south	Remove spur road, reduce grading
107	Up to 95-foot shift south	Design optimization, reduce agricultural land impacts
108	Up to 415-foot shift south	Reduce wetland/stream impacts, maintain LOD on leased property, utilize existing farm access road
111	Up to 400-foot shift southwest	Reduce wetland/stream impacts, removal of T110
113	Up to 460-foot shift east	Reduce wetland/stream impacts, reduce grading
114	Up to 55-foot shift east	Change in location of the temporary turn for turbine delivery
115	Up to 60-foot shift west	Shift in access road for T114, reduce wetland/stream impacts, reduce grading and tree clearing
117	Up to 160-foot shift west and 125-foot shift northeast	Reduce wetland/stream impacts
118	Up to 150-foot shift northeast and 115-foot shift southwest	Remove spur road and reduce grading, addition of Identiflight tower
121	Up to 100-feet east	Reduce grading and LOD, reduce tree clearing
122	Up to 140-foot shift north	Reduce agricultural land impacts, removal of T123

Appendix A- Summary of Project Component Modifications

Nearest WTG Number	Approximate Distance Change	Reason for Change
124	Up to 470-foot shift south	Reduce wetland/stream impacts, utilize existing farm access roads
127	Up to 180-foot shift south	Reduce wetland/stream impacts

Table 3. Collection Line Corridor Adjustments

Nearest WTG Number	Approximate Distance Change	Reason for Change
2-8	Up to 400-foot shift west	Adjust to parallel access road, reduce agricultural land impacts
6-7	Up to 125-foot shift west and east	Adjust to parallel access road, reduce agricultural land impacts
8-10	Up to 560-foot shift east	Reduce wetland/stream impacts
10-26	Up to 790-foot shift east	Adjust to parallel access road, reduce agricultural land impacts
11-12	Up to 380-foot shift west	Adjust to parallel access road
11-28	Up to 500-foot shift east	Landowner request due to future building plans, reduce wetland/stream impacts
12-15	Up to 440-foot shift	Reduce crossings of gas pipeline, route optimization
14 through 16	Up to 550-foot shift west	Reduce wetland/stream impacts
18-19-20	Up to 580-foot shift	Adjust to parallel access road
20-21	Up to 690-foot shift east	Adjust to parallel access road
20-23	Up to 2500-foot shift east	Landowner request
23-24	Up to 125-foot west	Reduce wetland/stream impacts, reduce tree clearing, addition of ADLS tower
26-28	Up to 550-foot shift south	Reduce wetland/stream impacts
28 through 31	Up to 440-foot shift east	Adjust to parallel access road
31-52	Up to 250-foot shift north	Reduce wetland/stream impacts, reduce tree clearing
33-121	Up to 260-foot shift west	Landowner request (perpendicular railroad bore)
33-34	Up to 150-foot shift east	Adjust to parallel access road
33-39	Up to 1,300-foot shift	Reduce wetland/stream impacts, landowner request, collection line corridor optimization
40-42	Up to 300-foot shift south	Adjust to parallel access road
40-105	Up to 400-foot shift south	Reduce wetland/stream impacts, collection line corridor optimization
40-107	Up to 175-foot shift	Reduce wetland/stream impacts, collection line corridor optimization
42-43	Up to 170-foot shift west	Adjust to parallel access road
43-Substation	Up to 300-foot shift north	Reduce wetland/stream impacts

Appendix A- Summary of Project Component Modifications

Nearest WTG Number	Approximate Distance Change	Reason for Change
44-45	Up to 695-foot shift west	Reduce wetland/stream impacts, reduce tree clearing
46-47	Up to 240-foot shift east	Adjust to parallel access road
56-57	Up to 650-foot shift east	Landowner request, reduce sugarbush impacts, reduce agricultural land impacts, adjust to parallel access road, addition of ADLS tower
56-124	Up to 1,560-foot shift south	Reduce wetland/stream impacts, collection line corridor optimization
60-61	Up to 220-foot shift east	Reduce wetland/stream impacts
62-64	Up to 350-foot shift west	Collection line corridor optimization
63 to 62-64	New segment	Reduce wetland/stream impacts, removal of corridor from T59 to T60, removal of T63, collection line corridor optimization
68 to 72-77	Up to 830-feet	Landowner request, reduce tree clearing impacts
69-71	Up to 560-foot shift east	Collection line corridor optimization
72-80	Up to 300-foot shift south	Reduce wetland/stream impacts
72-73	Up to 975-foot shift south	Removal of T79, reduce wetland/stream impacts
75-76	Up to 370-foot shift east	Adjust to parallel access road
77-73	Up to 250-foot shift south	Reduce wetland/stream impacts, remove from State land
88-90	Up to 355-foot shift west	Landowner request
91-121	Up to 350-foot shift	Adjust to parallel access road, collection line corridor optimization
92-122	Up to 560-foot shift south	Adjust to parallel access road
93-95	Up to 370-foot shift west	Adjust to parallel access road
107-108	Up to 150-foot shift east	Reduce wetland/stream impacts
108-111	Up to 140-foot shift south	Adjust to parallel access road
111-112	Up to 375-foot shift west	Adjust to parallel access road
112-116	Up to 100-foot shift east	Cultural resource avoidance, reduce wetland/stream impacts
113 through 115	Up to 115-foot shift west	Reduce wetland/stream impacts, location of the crane pad, adjust to parallel access road
115-119	Up to 380-foot shift northeast and 310-foot shift south	Reduce wetland/stream impacts

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115-121	Up to 200-foot shift northwest	Reduce wetland/stream impacts
116-117	Up to 160-foot shift west and 100-foot shift northeast	Adjust to parallel access road
117-118	Up to 150-foot shift northeast and 90-foot shift southwest	Adjust to parallel access road
121-115 to 119	Up to 360-foot shift	Reduce wetland/stream impacts
124-125	Up to 320-foot shift south	Adjust to parallel access road
125 to 63-69	Up to 2,300-foot shift west	Landowner request, reduce tree clearing, shift out of State land