

APPENDIX E: TURBINE AND ACCESS ROAD DISPLACEMENT AREA

Table E-1. Turbine and Access Road Displacement Area

Project Parcel Number^{1/}	Permanent Disturbance Acres^{2/}	Percent Parcel Displaced^{3/}
101770000000000	4.3	0.6
101860000000000	0.6	0.1
102782000000000	1.4	0.6
102872000007000	0.5	0.3
103702000002000	1.0	0.3
103870000000000	3.4	0.6
104703000000000	0.1	<0.1
104784000000000	0.7	0.2
104793000000000	2.0	0.6
104871000002000	1.1	0.2
105780000000000	3.2	0.5
105871000002000	0.0	0.0
106781000000000	1.3	0.3
106782000000000	1.7	1.1
106871000001001	0.3	0.5
106871000002000	3.5	0.8
106872000001000	0.3	0.7
107781000000000	2.0	0.3
107791000001000	3.9	0.7
107871000000000	1.2	0.4
107872000000000	2.4	0.7
108781000000000	3.6	0.7
108783000000000	0.7	0.4
108871000002000	0.3	0.4
108872000000000	2.2	0.5
109701000002000	1.7	1.4
109704000000000	0.8	0.5
109780000000000	6.4	1.0
109790000000000	2.9	0.5
109870000000000	3.0	0.5
110701000000000	1.8	0.6
110702000000000	1.9	1.2
110703000000000	2.5	1.5
110781000001000	1.7	1.0
110782000001000	1.8	1.1
110870000000000	4.3	0.7
111702000001000	1.9	0.6
111781000000000	3.7	0.9
111783000000000	1.3	0.8
111784000000000	1.3	1.6
111870000000000	1.8	0.3
112771000000000	0.1	<0.1
112781000000000	1.3	0.8
112782000000000	2.1	1.3
112784000000000	0.4	0.3
112861000000000	1.7	0.4
113781000000000	4.3	1.4
113783000001000	2.2	1.1

Project Parcel Number ^{1/}	Permanent Disturbance Acres ^{2/}	Percent Parcel Displaced ^{3/}
113783000003001	0.6	0.5
113860000000000	1.4	0.2
114701000000000	2.2	0.9
114781000000000	4.1	1.3
114784000000000	1.0	0.6
114870000000000	6.0	1.0
115701000000000	1.0	0.6
115702000000000	2.2	1.4
115781000000000	1.4	0.9
115782000000000	2.1	0.6
115790000000000	4.1	0.6
115870000000000	3.9	0.7
116700000000000	2.5	0.7
116781000000000	0.8	0.2
116790000000000	5.2	0.8
116871000001000	0.5	0.3
116871000002000	1.0	0.2
117700000000000	<0.1	0.2
117790000000000	5.3	0.9
117872000000000	1.2	0.2
118791000001000	2.2	0.9
118791000002000	1.8	2.3
118793000000000	2.3	0.7
118870000000000	0.6	0.1
119790000000000	1.4	0.2
119871000000000	2.5	0.5
119880000000000	0.1	0.0
120701000000000	2.1	0.7
120702000001000	0.9	0.3
120791000000000	3.4	0.7
120792000000000	0.3	0.2
120870000000000	2.2	0.3
121790000000000	1.1	0.2
121871000000000	3.1	0.6
121873000000000	<0.1	<0.1
122791000001000	1.3	0.2
122871000000000	1.0	0.3
122873000000000	1.1	0.7
122874000000000	1.0	0.6
123780000000000	0.3	0.0
123870000000000	2.8	0.4
124782000000000	2.2	0.5
124791000000000	1.4	0.3
124861000000000	0.2	0.2
124872000000000	1.9	0.6
124874000000000	3.1	1.9
125790000000000	3.1	0.5
125870000000000	4.2	0.7
125963000000000	1.1	0.4
126871000001001	2.7	0.4

Project Parcel Number ^{1/}	Permanent Disturbance Acres ^{2/}	Percent Parcel Displaced ^{3/}
127790000000000	<0.01	<0.01
127870000000000	2.1	0.3
128701000000000	3.2	0.7
128704000000000	0.4	0.3
128870000000000	2.0	0.3
129701000002000	2.3	0.7
129703000000000	0.3	0.1
129791000000000	1.0	0.2
129871000002001	1.1	0.5
129874000003000	<0.01	<0.01
130701000000000	1.6	0.3
130702000000000	1.6	1.0
130871000002000	2.3	0.4
130882000000000	3.2	0.6
131880000000000	0.9	0.1
131971000000000	2.4	0.7
131972000000000	1.1	0.4
132973000000000	1.9	1.1
133871000000000	1.4	0.2
134870000000000	3.5	0.6
135793000000000	<0.01	<0.01
135870000000000	3.8	0.6
136870000000000	2.3	0.4
136960000000000	2.9	0.4

Notes:

- 1/ Only Project parcels with Turbines and associated access roads, and meteorological (met) towers and associated access roads, are included in this analysis.
- 2/ Permanent disturbance acreage for: 1) maximum potential number of Turbines (244 total, each with a tower base of 5,278 square feet), 2) associated Turbine access roads (104.5 miles total of 16-ft wide access roads), 3) met tower sites (all 13 possible locations with a base of 1,764 square feet), and 4) access roads to the met towers (2.8 miles total of 16-foot-wide access roads). The acreage per parcel accounts for spatial overlap of features.
- 3/ Pursuant to Benton County Code 11.17.070(t)(11), “wind turbine(s) and all associated service roads may not displace more than five (5) percent of the area of that parcel(s) on which they are located.” This table confirms the maximum parcel area displacement due to Project Turbines and associated access roads, conservatively including met towers and associated access roads, would not exceed 5 percent. The largest percent displacement on any parcel would be 2.3 percent, and most parcels would have less than 1 percent displacement.