

APPENDIX A

Certificate of Public Convenience and Necessity Impact Tables

- Table 1A – General Route Impacts
 - Preferred Route
 - Alternate Route A
 - Alternate Route B
- Table 1B – Distance to Potentially Sensitive Buildings
 - Preferred Route
 - Alternate Route A
 - Alternate Route B
- Table 2 – Land Cover Impacts
 - Preferred Route
 - Alternate Route A
 - Alternate Route B
- Table 3 – Public and Tribal Lands
 - Preferred Route
 - Alternate Route A
 - Alternate Route B
- Table 4 – Route Impact Study
 - All Routes

Table 1A - General Route Impacts - (AFR Section 2.4.1.1)

Preferred Route

New Line Requirements (2.4.1.1.4)						Existing ROW (2.4.1.1.5-2.4.1.1.6)					New (additional) ROW Required (2.4.1.1.7)		ROW Sharing for Segment (2.4.1.1.8)				COMMENTS
Segment	Total Segment Length ¹ (ft)	Segment Length (Miles)*	Length ² (ft)	Project ROW Width Required ³ (ft)	ROW Requirement (Acres) ⁴	ROW Type	Existing ROW Length Shared (ft)	Existing ROW Width (ft)	Existing ROW Width Shared (ft)	Area of Shared ROW (acres)	Width (ft) ⁵	Acres	% New ROW Length Shared	New ROW Width Shared (ft)	% Existing ROW Width Shared	% New Project ROW Width Shared	
1a	987	0.2	987	100.0	2.27	TL	987	75	50	1.13	50	1.13	100.0	50	66.7	50.0	161kV Poles set at edge of existing ROW
1b	973	0.2	973	50.0	1.12	TL	973	75	50	1.12	0	0.00	100.0	50	66.7	100.0	69kV
2	1,312	0.2	1,312	100.0	3.01	TL	1,312	75	50	1.51	50	1.51	100.0	50	66.7	50.0	161/69kV
3	2,704	0.5	2,704	100.0	6.21	TL	2,704	100	100	6.21	0	0.00	100.0	100	100.0	100.0	161/69kV
4	5,516	1.0	5,516	155.0	19.63	TL	5,516	120	120	15.20	35	4.43	100.0	120	100.0	77.4	69 kV poles set 70' from 345/161 kV line
5	1,174	0.2	1,174	155.0	4.18	TL	1,174	120	120	3.23	35	0.94	100.0	120	100.0	77.4	69 kV poles set 70' from 345/161 kV line
6	1,237	0.2	1,237	155.0	4.40	TL	1,237	120	120	3.41	35	0.99	100.0	120	100.0	77.4	69 kV poles set 70' from 345/161 kV line
7	5,330	1.0	2,630	50.0	6.12	RD	2,630	70	20	1.21	30	1.81	49.3	20	28.6	40.0	69 kV Poles set 5' off edge of road ROW
7			2,700	50.0	0.00		0	0	0	0.00	50	3.10	0	0	0	0.0	69kV
8	2,413	0.5	2,413	50.0	2.77		0	0	0	0.00	50	2.77	0.0	0	0	0.0	69kV
9	6,744	1.3	6,744	120.0	18.58	TL	6,744	120	120	18.58	0	0.00	100.0	120	100.0	100.0	161kV
10	981	0.2	981	155.0	3.49	TL	981	120	120	2.70	35	0.79	100.0	120	100.0	77.4	69 kV poles set 70' from 345/161 kV line
11	1,961	0.4	1,961	155.0	6.98	TL, GL	1,961	120	120	5.40	35	1.58	100.0	120	100.0	77.4	69 kV poles set 70' from 345/161 kV line; parallel to (but outside of) pipeline ROW for 500 ft
12	9,776	1.9	9,776	155.0	34.79	TL, GL	9,776	120	120	26.93	35	7.85	100.0	120	100.0	77.4	69 kV poles set 70' from 345/161 kV line; parallel to (but outside of) pipeline ROW
13	3,256	0.6	3,256	155.0	11.59	TL, GL	3,256	120	120	8.97	35	2.62	100.0	120	100.0	77.4	69 kV poles set 70' from 345/161 kV line; parallel to (but outside of) pipeline ROW
14a	8,226	1.6	8,226	100.0	18.88	TL	8,226	100	100	18.88	0	0.00	100.0	100	100.0	100.0	161/69kV
14b	557	0.1	557	100.0	1.28	TL	557	100	100	1.28	0	0.00	100.0	100	100.0	100.0	161/69kV
15a	7,332	1.4	7,332	75.0	12.62	TL	7,332	75	75	12.62	0	0.00	100.0	75	100.0	100.0	69kV
15b	228	0.0	228	75.0	0.39	TL	228	75	75	0.39	0	0.00	100.0	75	100.0	100.0	69kV
16a	543	0.1	543	100.0	1.25	TL	543	100	100	1.25	0	0.00	100.0	100	100.0	100.0	161/69kV
16c	20,847	3.9	20,847	100.0	47.86	TL	20,847	100	100	47.86	0	0.00	100.0	100	100.0	100.0	161/69kV
17	26,620	5.0	26,620	100.0	61.11	TL	26,620	100	100	61.11	0	0.00	100.0	100	100.0	100.0	161/69kV
18a	1,467	0.3	1,467	100.0	3.37		0	0	0	0.00	100	3.37	0.0	0	0	0.0	161/69kV
18b	1,468	0.3	1,468	100.0	3.37		0	0	0	0.00	100	3.37	0.0	0	0	0.0	161/69kV
18c	220	0.0	220	100.0	0.51		0	0	0	0.00	100	0.51	0.0	0	0	0.0	69kV
18d	290	0.1	290	50.0	0.33		0	0	0	0.00	50	0.33	0.0	0	0	0.0	161kV
71	429	0.1	429	50.0	0.49	TL	429	100	50	0.49	0	0.00	100.0	50	50.0	100.0	69kV
72	1,458	0.3	1,458	50.0	1.67	TL	1,458	100	50	1.67	0	0.00	100.0	50	50.0	100.0	69kV
Total	114,049	21.6	NA	NA	278.3	NA	105,491	NA	NA	241.2	NA	37.1	NA	NA	NA	NA	

Total % Of Route Acres Shared with Existing Corridors 86.7
Total % Of Route Length Along Transmission ROW 90.2

* Note that for segments that consist of the 69 kV line paralleling the 345/161 kV line, only one length is recorded for the segment. Total length of 69 kV line for this alternative is 20.1 miles. Total length of 161 kV line for this alternative is 18.11 miles.

Source Material: Field Review, 2010 NAIP Aerials

5.80

ROW type Codes	ROW Type
TL	Transmission line
DL ⁶	Distribution Line (for cross-country distribution circuits)
RR	Railroad
RD	Roadway
GL	Gas Pipeline
RD/DL	Road/Distribution Line (For distribution lines that share all or part of a road ROW)

¹ Total segment length - When multiple rows per segment are required only enter the total length into the first row. (See Sample Table 1A - footnote #1)

² This is the length of the segment being considered in each row of the spreadsheet. It may equal the length in column B, (Total Segment Length) however, in cases where a segment shares only a portion of its length with an existing corridor the data for that segment must be separated into two rows. (See also Sample Table 2)

³ This is the ROW width required for the proposed line if no corridor sharing is available.

⁴ New ROW acre requirement assuming no corridor sharing available.

⁵ New (additional) ROW width required. This is the part of the new ROW that is not shared with other corridors

⁶ Distribution lines are all lines <69kV

Shaded cells have formulas. These cells are protected and should not be changed without Commission staff approval

Table 1A - General Route Impacts - (AFR Section 2.4.1.1)

Alternate Route A

	New Line Requirements 2.4.1.1.4)					Existing ROW (2.4.1.1.5-2.4.1.1.6)					New (additional) ROW Required (2.4.1.1.7)		ROW Sharing for Segment (2.4.1.1.8)				COMMENTS
Segment	Total Segment Length ¹ (ft)	Segment Length (Miles) ²	Length ² (ft)	Project ROW Width Required (ft) ³	ROW Requirement (Acres) ⁴	ROW Type	Existing ROW Length Shared (ft)	Existing ROW Width (ft)	Existing ROW Width Shared (ft)	Area of Shared ROW (acres)	Width (ft) ⁵	Acres	% New ROW Length Shared	New ROW Width Shared (ft)	% Existing ROW Width Shared	% New Project ROW Width Shared	
1a	987	0.2	987	100.0	2.27	TL	987	75	50	1.13	50	1.13	100.0	50	66.7	50.0	69kV
1c	178	0.0	178	50.0	0.20	TL	178	75	50	0.20	0	0.00	100.0	50	66.7	100.0	69kV
1d	466	0.1	466	50.0	0.53	TL	466	75	50	0.53	0	0.00	100.0	50	66.7	100.0	69kV
9	6,744	1.3	6744	120.0	18.58	TL	6,744	120	120	18.58	0	0.00	100.0	120	100.0	100.0	161kV
15a	7,332	1.4	7332	75.0	12.62	TL	7,559	75	75	13.01	0	0.00	103.1	75	100.0	100.0	69kV
15c	227	0.0	227	75.0	0.39	TL	227	75	75	0.39	0	0.00	100.0	75	100.0	100.0	69kV
16b	550	0.1	550	100.0	1.26	TL	550	100	100	1.26	0	0.00	100.0	100	100.0	100.0	161/69kV
16c	20,847	3.9	20847	100.0	47.86	TL	20,847	100	100	47.86	0	0.00	100.0	100	100.0	100.0	161/69kV
17	26,620	5.0	26620	100.0	61.11	TL	26,662	100	100	61.21	0	0.00	100.2	100	100.0	100.0	161/69kV
18a	1,467	0.3	1467	100.0	3.37		1,467	0	0	0.00	100	3.37	100.0	0	0	0.0	161/69kV
18b	1,468	0.3	1468	100.0	3.37		1,468	0	0	0.00	100	3.37	100.0	0	0	0.0	161/69kV
18c	220	0.0	220	100.0	0.51		220	0	0	0.00	100	0.51	100.0	0	0	0.0	69kV
18d	290	0.1	290	50.0	0.33		290	0	0	0.00	50	0.33	100.0	0	0	0.0	161kV
20	1,312	0.2	1312	100.0	3.01	TL	1,312	75	50	1.51	50	1.51	100.0	50	66.7	50.0	161kV
21	2,704	0.5	2704	100.0	6.21	TL	2,704	100	100	6.21	0	0.00	100.0	100	100.0	100.0	161kV
22	5,527	1.0	5527	120.0	15.23	TL	5,527	120	120	15.23	0	0.00	100.0	120	100.0	100.0	161kV
23	1,166	0.2	1166	160.0	4.28	TL	1,166	120	120	3.21	40	1.07	100.0	120	100.0	75.0	161/69kV
24	1,239	0.2	1239	160.0	4.55	TL	1,239	120	120	3.41	40	1.14	100.0	120	100.0	75.0	69 kV paralleling 161 kV
24a	122	0.0	122	50.0	0.14	TL	107	120	50	0.12	0	0.00	87.7	50	41.7	100.0	69kV
24b	231	0.0	231	50.0	0.27	TL	216	120	50	0.25	0	0.00	93.5	50	41.7	100.0	69kV
26	946	0.2	946	120.0	2.61	TL	946	120	120	2.61	0	0.00	100.0	120	100.0	100.0	161kV
27	1,973	0.4	1973	120.0	5.44	TL, GL	1,973	120	120	5.44	0	0.00	100.0	120	100.0	100.0	161kV, Transmission ROW is parallel to (but outside of) pipeline ROW for 500 ft
28	9,617	1.8	9617	120.0	26.49	TL, GL	9,617	120	120	26.49	0	0.00	100.0	120	100.0	100.0	161kV, Transmission ROW is parallel to (but outside of) pipeline ROW
29	2,799	0.5	2799	120.0	7.71	TL, GL	2,799	120	120	7.71	0	0.00	100.0	120	100.0	100.0	161kV, Transmission ROW is parallel to (but outside of) pipeline ROW
30	9,372	1.8	9372	100.0	21.52	TL	9,372	100	100	21.52	0	0.00	100.0	100	100.0	100.0	161kV
35	6,041	1.1	6041	50.0	6.93	TL	4,721	50	0	0.00	50	6.93	78.1	0	0.0	0.0	69kV
36	2,496	0.5	2496	50.0	2.87	RD	2,496	66	20	1.15	30	1.72	100.0	20	30.3	40.0	69kV
37	2,542	0.5	2542	50.0	2.92		0	0	0	0.00	50	2.92	0.0	0	0	0.0	69kV
40	14,260	2.7	15635	50.0	16.37		0	0	0	0.00	50	17.95	0.0	0	0	0.0	69kV
41	18,484	3.5	17109	50.0	21.22	RD	17,109	66	20	7.86	30	11.78	92.6	20	30.3	40.0	69kV
42	3,585	0.7	3585	50.0	4.12	RD	2,785	66	20	1.28	30	2.47	77.7	20	30.3	40.0	69kV
43	8,632	1.6	8632	50.0	9.91	RR	8,632	100	0	0.00	50	9.91	100.0	0	0.0	0.0	69kV
44	4,756	0.9	4756	50.0	5.46	RD	4,756	66	20	2.18	30	3.28	100.0	20	30.3	40.0	69kV
45	1,282	0.2	1282	50.0	1.47	GL, TL	1,282	225	0	0.00	50	1.47	100.0	0	0.0	0.0	69kV
46	3,416	0.6	3416	50.0	3.92		0	0	0	0.00	50	3.92	0.0	0	0	0.0	69kV
71	429	0.1	429	50.0	0.49	TL	429	100	50	0.49	0	0.00	100.0	50	50.0	100.0	69kV
72	1,458	0.3	1458	50.0	1.67	TL	1,458	100	50	1.67	0	0.00	100.0	50	50.0	100.0	69kV
Total	171,785	32.5	NA	NA	327.2	NA	148,311	NA	NA	252.5	NA	74.8	NA	NA	NA	NA	

Total % Of Route Acres Shared with Existing Corridors

77.2

Total % of Length of Routes Shared with Transmission Corridors:

63.7

* Note that for segments that consist of the 69 kV line paralleling the 345/161 kV line, only one length is recorded for the segment. Total length of 69 kV line for this alternative is 25.4 miles. Total length of 161 kV line for this alternative is 18.11 miles.

Source Material: Field Review, 2010 NAIP Aerials

ROW type Codes	ROW Type
TL	Transmission line
DL ⁶	Distribution Line (for cross-country distribution circuits)
RR	Railroad
RD	Roadway
GL	Gas Pipeline
RD/DL	Road/Distribution Line (For distribution lines that share all or part of a road ROW)

¹ Total segment length - When multiple rows per segment are required only enter the total length into the first row. (See Sample Table 1A - footnote #1)² This is the length of the segment being considered in each row of the spreadsheet. It may equal the length in column B, (Total Segment Length) however, in cases where a segment shares only a portion of its length with an existing corridor the data for that segment must be separated into two rows. (See also Sample Table 2)³ This is the ROW width required for the proposed line if no corridor sharing is available.⁴ New ROW acre requirement assuming no corridor sharing available.⁵ New (additional) ROW width required. This is the part of the new ROW that is not shared with other corridors⁶ Distribution lines are all lines <69kV

Table 1A - General Route Impacts - (AFR Section 2.4.1.1)

Alternate Route B

New Line Requirements (2.4.1.1.1-2.4.1.1.4)						Existing ROW (2.4.1.1.5-2.4.1.1.6)					New (additional) ROW Required (2.4.1.1.7)		ROW Sharing for Segment (2.4.1.1.8)				COMMENTS
Segment	Total Segment Length ¹ (ft)	Segment Length (Miles)*	Length ² (ft)	Project ROW Width Required (ft) ³	ROW Requirement (Acres) ⁴	ROW Type	Existing ROW Length Shared (ft)	Existing ROW Width (ft)	Existing ROW Width Shared (ft)	Area of Shared ROW (acres)	Width (ft) ⁵	Acres	% New ROW Length Shared	New ROW Width Shared (ft)	% Existing ROW Width Shared	% New Project ROW Width Shared	
3	2,704	0.5	2704	100.0	6.21	TL	2,704	100	100	6.21	0	0.00	100.0	100	100.0	100.0	161/69kV
17	26,620	5.0	26620	100.0	61.11	TL	26,620	100	100	61.11	0	0.00	100.0	100	100.0	100.0	161/69kV
18a	1,467	0.3	1467	100.0	3.37		0	0	0	0.00	100	3.37	0.0	0	0	0.0	161/69kV
18b	1,468	0.3	1468	100.0	3.37		0	0	0	0.00	100	3.37	0.0	0	0	0.0	161/69kV
18c	220	0.0	220	100.0	0.51		0	0	0	0.00	100	0.51	0.0	0	0	0.0	69kV
18d	290	0.1	290	50.0	0.33		0	0	0	0.00	50	0.33	0.0	0	0	0.0	161kV
46	3,416	0.6	3416	50.0	3.92		0	0	0	0.00	50	3.92	0.0	0	0	0.0	69kV
50	5,527	1.0	5527	185.0	23.47	TL	5,527	120	120	15.23	65	8.25	100.0	120	100.0	64.9	161 kV parallel to 345/69kV
51	1,175	0.2	1175	185.0	4.99	TL	1,175	120	120	3.24	65	1.75	100.0	120	100.0	64.9	161 kV parallel to 345/69kV
52	4,368	0.8	4368	100.0	10.03		0	0	0	0.00	100	10.03	0.0	0	0	0.0	161kV
53	1,497	0.3	1497	100.0	3.44	GL	1,497	175	0	0.00	100	3.44	100.0	0	0.0	0.0	161kV
54	3,173	0.6	3173	100.0	7.28	GL	3,173	175	0	0.00	100	7.28	100.0	0	0.0	0.0	161kV
55	2,119	0.4	2119	185.0	9.00	TL	2,119	120	120	5.84	65	3.16	100.0	120	100.0	64.9	161 kV parallel to 345/69kV
56	1,330	0.3	1330	120.0	3.66	TL	1,330	120	120	3.66	0	0.00	100.0	120	100.0	100.0	69kV
57	6,651	1.3	6651	120.0	18.32	TL	6,651	120	120	18.32	0	0.00	100.0	120	100.0	100.0	69kV
58	946	0.2	946	120.0	2.61	TL	946	120	120	2.61	0	0.00	100.0	120	100.0	100.0	69kV
60	9,707	1.8	9707	120.0	26.74	TL	9,707	120	120	26.74	0	0.00	100.0	120	100.0	100.0	69kV
61	578	0.1	578	100.0	1.33		0	0	0	0.00	100	1.33	0.0	0	0	0.0	69kV
62	9,171	1.7	9171	100.0	21.05	RD	9,171	66	35	7.37	65	13.68	100.0	35	53.0	35.0	161kV
63	13,030	2.5	13030	100.0	29.91	RD	13,030	66	35	10.47	65	19.44	100.0	35	53.0	35.0	161/69kV
64	4,654	0.9	4654	100.0	10.68	RD	4,654	66	35	3.74	65	6.94	100.0	35	53.0	35.0	161/69kV
65	1,301	0.2	1301	100.0	2.99	GL,TL	1,301	225	0	0.00	100	2.99	100.0	0	0.0	0.0	161/69kV
66	12,217	2.3	12217	100.0	28.05	GL, TL	12,217	225	0	0.00	100	28.05	100.0	0	0.0	0.0	161/69kV
67	10,138	1.9	10138	100.0	23.27	GL, TL	10,138	225	0	0.00	100	23.27	100.0	0	0.0	0.0	161/69kV
68	14,657	2.8	14657	100.0	33.65	RD	9,905	66	35	7.96	65	21.87	67.6	35	53.0	35.0	161/69kV
69	4,194	0.8	4194	100.0	9.63		0	0	0	0.00	100	9.63	0.0	0	0	0.0	161/69kV
70	4,421	0.8	4421	100.0	10.15	RD	4,421	66	35	3.55	65	6.60	100.0	35	53.0	35.0	161/69kV
71	429	0.1	416	100.0	0.98	TL	429	100	50	0.49	0	0.00	100.0	50	50.0	50.0	69kV
72	1,458	0.3	1,458	100.0	3.35	TL	1,458	100	50	1.67	0	0.00	100.0	50	50.0	50.0	69kV
73a	1,420	0.3	1,420	50.0	1.63	TL	1,420	75	50	1.63	0	0.00	100.0	50	66.7	100.0	69kV
73b	1,424	0.3	1,424	100.0	3.27	TL	1,424	75	50	1.63	50	1.63	100.0	50	66.7	50.0	161kV
74	875	0.2	875	100.0	2.01	TL	875	75	50	1.00	50	1.00	100.0	50	66.7	50.0	161/69kV
Total	152,645	28.9	NA	NA	370.3	NA	131,892	NA	NA	182.5	NA	181.8	NA	NA	NA	NA	

Total % Of Route Acres Shared with Existing Corridors 49.3
Total % Of Route Length Along Transmission ROW 56.4

* Note that for segments that consist of the 161 kV line paralleling the 345/69 kV line, only one length is recorded for the segment. Total length of 69 kV line for this alternative is 25.7 miles. Total length of 161 kV line for this alternative is 23.9 miles.

Source Material: Field Review, 2010 NAIP Aerials

ROW type Codes	ROW Type
TL	Transmission line
DL ⁶	Distribution Line (for cross-country distribution circuits)
RR	Railroad
RD	Roadway
GL	Gas Pipeline
RD/DL	Road/Distribution Line (For distribution lines that share all or part of a road ROW)

¹ Total segment length - When multiple rows per segment are required only enter the total length into the first row. (See Sample Table 1A - footnote #1)

² This is the length of the segment being considered in each row of the spreadsheet. It may equal the length in column B, (Total Segment Length) however, in cases where a segment shares only a portion of its length with an existing corridor the data for that segment must be separated into two rows. (See also Sample Table 2)

³ This is the ROW width required for the proposed line if no corridor sharing is available.

⁴ New ROW acre requirement assuming no corridor sharing available.

⁵ New (additional) ROW width required. This is the part of the new ROW that is not shared with other corridors

⁶ Distribution lines are all lines <69kV

Table 1B - Distance to potentially sensitive buildings - (AFR Section 2.4.1.4)

Preferred Route

	Building Distance from ROW Centerline												
	Residences/Apartments*						Schools, Day-care Centers, & Hospitals*						Commercial /Industrial
Segment	0-25 ft	26-50 ft	51-100 ft	101-150 ft	151-300 ft	Total	0-25 ft	26-50 ft	51-100 ft	101-150 ft	151-300 ft	Total	0-100 ft
1a	0	0	0	0	0	0	0	0	0	0	0	0	0
1b	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	1	1	0	0	0	0	0	0	0
3	0	0	0	0	1	1	0	0	0	0	0	0	0
4	0	0	1	0	0	1	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	1	2	4	7	0	0	0	0	0	0	1
8	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	1	2	2	5	0	0	0	0	0	0	2
10	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	1	3	10	15	0	0	0	0	0	0	0
13	1	0	0	1	2	4	0	0	0	0	0	0	0
14a	0	0	0	0	0	0	0	0	0	0	0	0	0
14b	0	0	0	0	0	0	0	0	0	0	0	0	0
15a	0	0	0	0	0	0	0	0	0	0	0	0	0
15b	0	0	0	0	0	0	0	0	0	0	0	0	0
16a	0	0	0	0	0	0	0	0	0	0	0	0	0
16c	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	3	3	0	0	0	0	0	0	1
18a	0	0	0	0	0	0	0	0	0	0	0	0	0
18b	0	0	0	0	0	0	0	0	0	0	0	0	0
18c	0	0	0	0	0	0	0	0	0	0	0	0	0
18d	0	0	0	0	0	0	0	0	0	0	0	0	0
71	0	0	0	1	0	1	0	0	0	0	0	0	0
72	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	1	0	4	9	23	38	0	0	0	0	0	0	4

Source Material: Field Review, 2010 NAIP Aerials

* Use the building codes below to identify building types

Building Codes	Building Types
K	Apartment Buildings - up to 4 Units
L	Apartment Buildings - 5-16 Units
M	Apartment Buildings - >16 Units
H	Hospital
S	School
DC	Day-care Center

¹Cell shows an example of how to use building codes - There are 3 buildings at this distance 2 apartments and 1 residence. A residence is implied when no building code is used.

Table 1B - Distance to potentially sensitive buildings - (AFR Section 2.4.1.4)

Alternate Route A

	Building Distance from ROW Centerline												
	Residences/Apartments*						Schools, Day-care Centers, & Hospitals*						Commercial /Industrial
Segment	0-25 ft	26-50 ft	51-100 ft	101-150 ft	151-300 ft	Total	0-25 ft	26-50 ft	51-100 ft	101-150 ft	151-300 ft	Total	0-100 ft
1a	0	0	0	0	0	0	0	0	0	0	0	0	0
1c	0	0	0	0	0	0	0	0	0	0	0	0	0
1d	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	2
15a	0	0	0	0	0	0	0	0	0	0	0	0	0
15c	0	0	0	0	0	0	0	0	0	0	0	0	0
16b	0	0	0	0	0	0	0	0	0	0	0	0	0
16c	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	3	3	0	0	0	0	0	0	1
18a	0	0	0	0	0	0	0	0	0	0	0	0	0
18b	0	0	0	0	0	0	0	0	0	0	0	0	0
18c	0	0	0	0	0	0	0	0	0	0	0	0	0
18d	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	1	1	0	0	0	0	0	0	0
21	0	0	0	0	1	1	0	0	0	0	0	0	0
22	0	0	1	0	0	1	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0
24a	0	0	0	0	0	0	0	0	0	0	0	0	0
24b	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	1	13	14	0	0	0	0	0	0	0
29	0	0	1	0	2	3	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0
35	0	0	0	0	0	0	0	0	0	0	0	0	0
36	0	0	0	0	1	1	0	0	0	0	0	0	0
40	0	0	0	1	0	1	0	0	0	0	0	0	0
41	0	0	0	1	2	3	0	0	0	0	0	0	0
42	0	0	0	0	0	0	0	0	0	0	0	0	0
43	0	0	0	0	1	1	0	0	0	0	0	0	0
44	0	0	0	2	0	2	0	0	0	0	0	0	0
45	0	0	0	0	0	0	0	0	0	0	0	0	0
46	0	0	0	0	0	0	0	0	0	0	0	0	0
71	0	0	0	1	0	1	0	0	0	0	0	0	0
72	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	2	6	24	32	0	0	0	0	0	0	3

Source Material: Field Review, 2010 NAIP Aerials

* Use the building codes below to identify building types

Building Codes	Building Types
K	Apartment Buildings - up to 4 Units
L	Apartment Buildings - 5-16 Units
M	Apartment Buildings - >16 Units
H	Hospital
S	School
DC	Day-care Center

¹Cell shows an example of how to use building codes - There are 3 buildings at this distance 2 apartments and 1 residence. A residence is implied when no building code is used.

Table 1B - Distance to potentially sensitive buildings - (AFR Section 2.4.1.4)

Alternate Route B

	Building Distance from ROW Centerline												
	Residences/Apartments*						Schools, Day-care Centers, & Hospitals*						Commercial /Industrial
Segment	0-25 ft	26-50 ft	51-100 ft	101-150 ft	151-300 ft	Total	0-25 ft	26-50 ft	51-100 ft	101-150 ft	151-300 ft	Total	0-100 ft
17	0	0	0	0	3	3	0	0	0	0	0	0	1
3	0	0	0	0	1	1	0	0	0	0	0	0	0
18a	0	0	0	0	0	0	0	0	0	0	0	0	0
18b	0	0	0	0	0	0	0	0	0	0	0	0	0
18c	0	0	0	0	0	0	0	0	0	0	0	0	0
18d	0	0	0	0	0	0	0	0	0	0	0	0	0
46	0	0	0	0	0	0	0	0	0	0	0	0	0
50	0	0	1	0	0	1	0	0	0	0	0	0	0
51	0	0	0	0	0	0	0	0	0	0	0	0	0
52	0	0	0	0	0	0	0	0	0	0	0	0	0
53	0	0	0	0	0	0	0	0	0	0	0	0	0
54	0	0	0	0	0	0	0	0	0	0	0	0	0
55	0	0	0	0	0	0	0	0	0	0	0	0	0
56	0	0	0	0	0	0	0	0	0	0	0	0	0
57	0	0	1	2	2	5	0	0	0	0	0	0	2
58	0	0	0	0	0	0	0	0	0	0	0	0	0
60	0	0	0	1	13	14	0	0	0	0	0	0	0
61	0	0	0	0	0	0	0	0	0	0	0	0	0
62	0	0	2	2	14	18	0	0	0	0	0	0	0
63	0	0	0	1	6	7	0	0	0	0	0	0	0
64	0	0	0	2	0	2	0	0	0	0	0	0	0
65	0	0	0	0	0	0	0	0	0	0	0	0	0
66	0	0	0	0	0	0	0	0	0	0	0	0	0
67	0	0	0	0	0	0	0	0	0	0	0	0	0
68	0	0	0	2	0	2	0	0	0	0	0	0	0
69	0	0	0	0	3	3	0	0	0	0	0	0	0
70	0	0	0	0	2	2	0	0	0	0	0	0	0
71	0	0	0	1	0	1	0	0	0	0	0	0	0
72	0	0	0	0	0	0	0	0	0	0	0	0	0
73a	0	0	0	0	0	0	0	0	0	0	0	0	0
73b	0	0	0	0	0	0	0	0	0	0	0	0	0
74	0	0	0	0	1	1	0	0	0	0	0	0	0
Total	0	0	4	11	45	60	0	0	0	0	0	0	3

Source Material: Field Review, 2010 NAIP Aerials

* Use the building codes below to identify building types

Building Codes	Building Types
K	Apartment Buildings - up to 4 Units
L	Apartment Buildings - 5-16 Units
M	Apartment Buildings - >16 Units
H	Hospital
S	School
DC	Day-care Center

¹Cell shows an example of how to use building codes - There are 3 buildings at this distance 2 apartments and 1 residence. A residence is implied when no building code is used.

DOCKET NO. 4220-CE-176
Table 2 Natural resource, residential, and commercial impact by segment and route (AFR section 2.4.2.1)
Preferred Route

GENERAL SEGMENT DATA (2.4.2.1.1-2.4.2.1.6)							LAND COVER CATEGORIES (Only show categories that occur on the route - for categories see below and section 2.4.2.1.7)																				COMMENTS			
							AGRICULTURAL (2.4.2.1.7.1)					NON AGRICULTURAL UPLAND (2.4.2..1.7.2)					WETLAND (2.4.2.1.7.2.2)					DEVELOPED (2.4.21.7.3)								
GENERAL SEGMENT DATA (2.4.2.1.1-2.4.2.1.6)							Crop Land			Pasture			Prairie/Grassland			Upland Forest			Forested Wetland			Non-Forested Wetland			Commercial/ Industrial			COMMENTS		
Segment	ROW Width Required - (Existing/New) (ft)	Existing ROW Width Used (ft) (excluding roads) ¹	New ROW Width Required (ft) (excluding roads)	Total Segment Length (ft)	Length (ft)	Segment Length Shared with Existing ROW (ft)	Length (Feet)	Existing ROW Area Shared (acres)	New ROW Area Require d (acres)	Length (Feet)	Existing ROW Area Shared (acres)	New ROW Area Require d (acres)	Length (Feet)	Existing ROW Shared Area (acres)	New ROW Area Require d (acres)	Length (Feet)	Existing ROW Shared Area (acres)	New ROW Area Require d (acres)	Length (Feet)	Existing ROW Shared Area (acres)	New ROW Area Require d (acres)	Length (Feet)	Existing ROW Shared Area (acres)	New ROW Area Required (acres)						
1a	50/0	50	0	987	987	987		0.0	0.0		0.00	0.00	920	1.1	0.00		0.00	0.00		0.00	0.00	67	0.08	0.00						
1a	0/50	0	50	987	987	0		0.0	0.0		0.00	0.00		0.0	0.00	920	0.00	1.06		0.00	0.00	67	0.00	0.08						
1b	50/0	50	0	973	973	973		0.0	0.0		0.00	0.00	906	1.0	0.00		0.00	0.00		0.00	0.00	68	0.08	0.00						
2	50/0	50	0	1,312	1,312	1,312		0.0	0.0		0.00	0.00	1,312	1.5	0.00		0.00	0.00		0.00	0.00		0.00	0.00						
2	0/50	0	50	1,312	1,312	0		0.0	0.0		0.00	0.00		0.0	0.00	1,312	0.00	1.51		0.00	0.00		0.00	0.00						
3	100/0	100	0	2,704	2,704	2,704	982	2.3	0.0		0.00	0.00	1,722	4.0	0.00		0.00	0.00		0.00	0.00		0.00	0.00						
4	120/0	120	0	5,516	5,516	5,516	4,367	12.0	0.0		0.00	0.00	1,149	3.2	0.00		0.00	0.00		0.00	0.00		0.00	0.00						
4	0/35	0	35	5,516	5,516	0	4,367	0.0	3.5		0.00	0.00	480	0.0	0.39	669	0.00	0.54		0.00	0.00		0.00	0.00						
5	120/35	120	35	1,174	1,174	1,174	1,174	3.2	0.9		0.00	0.00		0.0	0.00		0.00	0.00		0.00	0.00		0.00	0.00						
6	120/35	120	35	1,237	1,237	1,237	1,237	3.4	1.0		0.00	0.00		0.0	0.00		0.00	0.00		0.00	0.00		0.00	0.00						
7	20/30	20	30	5,330	5,330	5,330	3,190	1.5	2.2	902	0.41	0.62		0.0	0.00	1,237	0.57	0.85		0.00	0.00		0.00	0.00						
8	0/50	0	50	2,413	2,413	0	1,954	0.0	2.2	19	0.00	0.02		0.0	0.00	136	0.00	0.16		0.00	0.00	305	0.00	0.35						
9	120/0	120	0	6,744	6,744	6,744	4,774	13.2	0.0		0.00	0.00	1,476	4.1	0.00		0.00	0.00		0.00	0.00	495	1.36	0.00						
10	120/0	120	0	981	981	981	52	0.1	0.0		0.00	0.00	929	2.6	0.00		0.00	0.00		0.00	0.00		0.00	0.00						
10	0/35	0	35	981	981	0	52	0.0	0.0		0.00	0.00		0.0	0.00	929	0.00	0.75		0.00	0.00		0.00	0.00						
11	120/0	120	0	1,961	1,961	1,961		0.0	0.0		0.00	0.00	1,585	4.4	0.00		0.00	0.00		0.00	0.00	375	1.03	0.00						
11	0/35	0	35	1,961	1,961	0		0.0	0.0		0.00	0.00	882	0.0	0.71	703	0.00	0.56		0.00	0.00	375	0.00	0.30						
12	120/0	120	0	9,776	9,776	9,776		0.0	0.0		0.00	0.00	7,351	20.3	0.00	0	0.00	0.00	56	0.00	0.00	2,369	6.53	0.00						
12	0/35	0	35	9,776	9,776	0		0.0	0.0		0.00	0.00	1,851	0.0	1.49	5,500	0.00	4.42	56	0.00	0.04	2,369	0.00	1.90						
13	120/0	120	0	3,256	3,256	3,256		0.0	0.0		0.00	0.00	3,087	8.5	0.00		0.00	0.00		0.00	0.00	168	0.46	0.00						
13	0/35	0	35	3,256	3,256	0		0.0	0.0		0.00	0.00	523	0.0	0.42	2,564	0.00	2.06		0.00	0.00	168	0.00	0.13						
14a	100/0	100	0	8,226	8,226	8,226		0.0	0.0		0.00	0.00	4,514	10.4	0.00		0.00	0.00		0.00	0.00	3,711	8.52	0.00						
14b	100/0	100	0	557	557	557		0.0	0.0		0.00	0.00	557	1.3	0.00		0.00	0.00		0.00	0.00		0.00	0.00						
15a	75/0	75	0	7,332	7,332	7,332		0.0	0.0		0.00	0.00	5,714	9.8	0.00		0.00	0.00		0.00	0.00	1,503	2.59	0.00	115	0.20	0.00			
15b	75/0	75	0	228	228	228		0.0	0.0		0.00	0.00	228	0.4	0.00		0.00	0.00		0.00	0.00		0.00	0.00						
16a	100/0	100	0	543	543	543		0.0	0.0		0.00	0.00	433	1.0	0.00		0.00	0.00		0.00	0.00	110	0.25	0.00						
16c	100/0	100	0	20,847	20,847	20,847		0.0	0.0		0.00	0.00	13,819	31.7	0.00		0.00	0.00		0.00	0.00	7,026	16.13	0.00						
17	100/0	100	0	26,620	26,620	26,620	900	2.1	0.0	1,077	2.47	0.00	11,527	26.5	0.00		0.00	0.00		0.00	0.00	13,119	30.12	0.00						
18a	0/100	0	100	1,467	1,467	0	900	0.0	2.1		0.00	0.00	222	0.0	0.51		0.00	0.00	68	0.00	0.16	277	0.00	0.64						
18b	0/100	0	100	1,468	1,468	0	70	0.0	0.2		0.00	0.00	77	0.0	0.18	536	0.00	1.23	574	0.00	1.32	212	0.00	0.49						
18c	0/100	0	100	220	220	0		0.0	0.0		0.00	0.00		0.0	0.00	220	0.00	0.51		0.00	0.00		0.00	0.00						
18d	0/50	0	50	290	290	0		0.0	0.0		0.00	0.00		0.0	0.00	290	0.00	0.33		0.00	0.00		0.00	0.00						
71	50/0	50	0	429	429	429		0.0	0.0		0.00	0.00	284	0.3	0.00		0.00	0.00		0.00	0.00		0.00	0.00	145	0.17	0.00			
72	50/0	50	0	1,458	1,458	1,458	21	0.0	0.0		0.00	0.00	1,437	1.6	0.00		0.00	0.00		0.00	0.00		0.00	0.00						
								0.0	0.0		0.00	0.00		0.0	0.00		0.00	0.00		0.00	0.00		0.00	0.00						
								0.0	0.0		0.00	0.00		0.0	0.00		0.00	0.00		0.00	0.00		0.00	0.00						
Total	NA	NA	NA	137,838	137,838	NA	24,040	37.8	12.2	1,998	2.9	0.6	62,985	133.5	3.7	15,016	0.6	14.0	754	0.0	1.5	32,087	65.6	3.8	957	1.9	0.1			

Source Material: Field Review, 2010 NAIP Aerials

¹ Segment impacts must be split into separate rows under the following conditions: when a segment shares only a portion of its length with an existing corridor, when the proportion of shared to new ROW changes within a segment, and when a given length of a segment splits impacts between two or more resource impacts. (See sample Table 2 footnotes 1 & 2.)

² This cell should be zero or relatively close to zero in most cases. It checks to see that the length (column F) of the segment considered in each row is equal to the sum of the lengths for all the land cover categories. If this cell does not equal zero then explain why in the comment

³ Describe the data sources used in arriving at resource impact estimates.

Shaded cells have formulas. These cells are protected and should not be changed without Commission staff approval

Land Cover Categories (2.4.2.1.7)	
Agriculture (2.4.2.1.7.1)	Non-Agricultural Upland(2.4.2.1.7.2)
Crop land	Upland forest
Pasture	Prairie/Grassland
Old Field	Other
Agriculture - specialty (2.4.2.1.4.1)	Wetland (2.4.2.1.7.2.2)
Ginseng	Forested Wetland
Tree Farm	Non-forested Wetland
Orchard	
Cranberry Bog	
Developed land (2.4.2.1.7.3)	
Residential	
Commercial/ Industrial	

Wetland Id Source code	
WWI	Wetland Inv
APD(xx)	Aerial Photo Documentation
FD(x-xx)	Location (Du

DOCKET NO. 4220-CE-176
Table 2 Natural resource, residential, and commercial impact by segment and route (AFR section 2.4.2.1)
Alternate Route A

							LAND COVER CATEGORIES (Only show categories that occur on the route - for categories see below and section 2.4.2.1.7)																							
							AGRICULTURAL (2.4.2.1.7.1)						NON AGRICULTURAL UPLAND (2.4.2..1.7.2)						WETLAND (2.4.2.1.7.2.2)						DEVELOPED (2.4.21.7.3)					
GENERAL SEGMENT DATA (2.4.2.1.1-2.4.2.1.6)							Crop Land			Pasture			Prairie/Grassland			Upland Forest			Forested Wetland			Non-Forested Wetland			Commercial/ Industrial			COMMENTS		
Segment	ROW Width Required - (Existing/New) (ft)	Existing ROW Width Used (ft) (excluding roads) ¹	New ROW Width Required (ft) (excluding roads)	Total Segment Length (ft)	Length (ft)	Segment Length Shared with Existing ROW (ft)	Length (Feet)	Existing ROW Area Shared (acres)	New ROW Area Required (acres)	Length (Feet)	Existing ROW Area Shared (acres)	New ROW Area Required (acres)	Length (Feet)	Existing ROW Shared Area (acres)	New ROW Area Required (acres)	Length (Feet)	Existing ROW Shared Area (acres)	New ROW Area Required (acres)	Length (Feet)	Existing ROW Shared Area (acres)	New ROW Area Required (acres)	Length (Feet)	Existing ROW Shared Area (acres)	New ROW Area Required (acres)	Length (Feet)	Existing ROW Shared Area (acres)	New ROW Area Required (acres)			
1a	50/0	50	0	987	987	987		0.0	0.0		0.00	0.00	920	1.1	0.00		0.00	0.00		0.00	0.00		0.00	0.00	66	0.08	0.00			
1a	0/50	0	50	987	987	0		0.0	0.0		0.00	0.00		0.0	0.00	920	0.00	1.06		0.00	0.00		0.00	0.00	66	0.00	0.08			
1c	50/0	50	0	178	178	178		0.0	0.0		0.00	0.00	111	0.1	0.00		0.00	0.00		0.00	0.00		0.00	0.00	68	0.08	0.00			
1d	50/0	50	0	466	466	466		0.0	0.0		0.00	0.00	466	0.5	0.00		0.00	0.00		0.00	0.00		0.00	0.00		0.00	0.00			
9	120/0	120	0	6,744	6744	6,744	4,774	13.2	0.0		0.00	0.00	1,476	4.1	0.00		0.00	0.00		0.00	0.00		0.00	0.00	495	1.36	0.00			
15a	75/0	75	0	7,332	7332	7,559		0.0	0.0		0.00	0.00	5,714	9.8	0.00		0.00	0.00		0.00	0.00	1,503	2.59	0.00	115	0.20	0.00			
15c	75/0	75	0	227	227	227		0.0	0.0		0.00	0.00	227	0.4	0.00		0.00	0.00		0.00	0.00		0.00	0.00		0.00	0.00			
16b	100/0	100	0	550	550	550		0.0	0.0		0.00	0.00	440	1.0	0.00		0.00	0.00		0.00	0.00	110	0.25	0.00		0.00	0.00			
16c	100/0	100	0	c	20847	20,847		0.0	0.0		0.00	0.00	13,819	31.7	0.00		0.00	0.00		0.00	0.00	7,026	16.13	0.00		0.00	0.00			
17	100/0	100	0	26,620	26620	26,662	900	2.1	0.0	1,077	2.47	0.00	11,527	26.5	0.00		0.00	0.00		0.00	0.00	13,119	30.12	0.00		0.00	0.00			
18a	0/100	0	100	1,467	1467	0	900	0.0	2.1		0.00	0.00	222	0.0	0.51		0.00	0.00	68	0.00	0.16	277	0.00	0.64		0.00	0.00			
18b	0/100	0	100	1,468	1468	0	70	0.0	0.2		0.00	0.00	77	0.0	0.18	536	0.00	1.23	574	0.00	1.32	212	0.00	0.49		0.00	0.00			
18c	0/100	0	100	220	220	0		0.0	0.0		0.00	0.00		0.0	0.00	220	0.00	0.51		0.00	0.00		0.00	0.00		0.00	0.00			
18d	0/50	0	50	290	290	0		0.0	0.0		0.00	0.00		0.0	0.00	290	0.00	0.33		0.00	0.00		0.00	0.00		0.00	0.00			
20	50/0	50	0	1,312	1312	1,312		0.0	0.0		0.00	0.00	1,312	1.5	0.00		0.00	0.00		0.00	0.00		0.00	0.00		0.00	0.00			
20	0/50	0	50	1,312	1312	0		0.0	0.0		0.00	0.00		0.0	0.00	1,312	0.00	1.51		0.00	0.00		0.00	0.00		0.00	0.00			
21	100/0	100	0	2,704	2704	2,704	982	2.3	0.0		0.00	0.00	1,722	4.0	0.00		0.00	0.00		0.00	0.00		0.00	0.00		0.00	0.00			
22	120/0	120	0	5,527	5527	5,527	4,289	11.8	0.0		0.00	0.00	1,238	3.4	0.00		0.00	0.00		0.00	0.00		0.00	0.00		0.00	0.00			
23	120/0	120	0	1,163	1163	1,166	1,163	3.2	0.0		0.00	0.00		0.0	0.00		0.00	0.00		0.00	0.00		0.00	0.00		0.00	0.00			
23	0/40	0	40	1,163	1163	0	220	0.0	0.2		0.00	0.00		0.0	0.00	943	0.00	0.87		0.00	0.00		0.00	0.00		0.00	0.00			
24	120/0	120	0	1,239	1239	1,239	1,239	3.4	0.0		0.00	0.00		0.0	0.00		0.00	0.00		0.00	0.00		0.00	0.00		0.00	0.00			
24	0/40	0	40	1,239	1239	0	530	0.0	0.5		0.00	0.00		0.0	0.00	709	0.00	0.65		0.00	0.00		0.00	0.00		0.00	0.00			
24a	50/0	50	0	122	122	107	122	0.1	0.0		0.00	0.00		0.0	0.00		0.00	0.00		0.00	0.00		0.00	0.00		0.00	0.00			
24b	50.0	50	0	231	231	216	231	0.3	0.0		0.00	0.00		0.0	0.00		0.00	0.00		0.00	0.00		0.00	0.00		0.00	0.00			
26	120/0	120	0	946	946	946	535	1.5	0.0		0.00	0.00	411	1.1	0.00		0.00	0.00		0.00	0.00		0.00	0.00		0.00	0.00			
27	120/0	120	0	1,973	1973	1,973	59	0.2	0.0		0.00	0.00	1,531	4.2	0.00		0.00	0.00		0.00	0.00	383	1.06	0.00		0.00	0.00			
28	120/0	120	0	9,617	9617	9,617		0.0	0.0		0.00	0.00	7,657	21.1	0.00		0.00	0.00		0.00	0.00	1,960	5.40	0.00		0.00	0.00			
29	120/0	120	0	2,799	2799	2,799		0.0	0.0		0.00	0.00	2,585	7.1	0.00		0.00	0.00		0.00	0.00	215	0.59	0.00		0.00	0.00			
30	100/0	100	0	9,372	9372	9,372		0.0	0.0		0.00	0.00	5,660	13.0	0.00		0.00	0.00		0.00	0.00	3,711	8.52	0.00		0.00	0.00			
35	0/50	0	50	6,041	6041	0	844	0.0	1.0		0.00	0.00	1,100	0.0	1.26	3,815	0.00	4.38		0.00	0.00	281	0.00	0.32		0.00	0.00			
36	20/30	20	30	2,496	2496	2,496		0.0	0.0		0.00	0.00	5	0.0	0.00	2,491	1.14	1.72		0.00	0.00		0.00	0.00		0.00	0.00			
37	0/50	0	50	2,542	2542	0	1,731	0.0	2.0		0.00	0.00		0.0	0.00	811	0.00	0.93		0.00	0.00		0.00	0.00		0.00	0.00			
40	0/50	0	50	14,260	14260	0	12,316	0.0	14.1		0.00	0.00		0.0	0.00	1,943	0.00	2.23		0.00	0.00		0.00	0.00		0.00	0.00			
41	20/30	20	30	18,484	18484	17,109	1,506	0.7	1.0	2,223	1.02	1.53		0.0	0.00	8,273	3.80	5.70	5,510	2.53	3.79	974	0.45	0.67		0.00	0.00			
42	20/30	20	30	3,585	3585	2,785		0.0	0.0		0.00	0.00		0.0	0.00		0.00	0.00	3,559	1.63	2.45	26	0.01	0.02		0.00	0.00			
43	0/50	0	50	8,632	8632	0		0.0	0.0		0.00	0.00		0.0	0.00	650	0.00	0.75	6,067	0.00	6.96	1,915	0.00	2.20		0.00	0.00			
44	20/30	20	30	4,756	4756	4,756	789	0.4	0.5	732	0.34	0.50	146	0.1	0.10	2,432	1.12	1.67	457	0.21	0.31	200	0.09	0.14		0.00	0.00			
45	0/50	0	50	1,282	1282	0		0.0	0.0		0.00	0.00		0.0	0.00	1,282	0.00	1.47		0.00	0.00		0.00	0.00		0.00	0.00			
46	0/50	0	50	3,416	3416	0		0.0	0.0		0.00	0.00	687	0.0	0.79	2,298	0.00	2.64	284	0.00	0.33		0.00	0.00	149	0.00	0.17			
71	50/0	50	0	429	429	429		0.0	0.0		0.00	0.00	284	0.3	0.00		0.00	0.00		0.00	0.00		0.00	0.00	145	0.17	0.00			
72	50/0	50	0	1,458	1458	1,458	21	0.0	0.0		0.00	0.00	1,437	1.6	0.00		0.00	0.00		0.00	0.00		0.00	0.00		0.00	0.00			
Total	NA	NA	NA	155,636	176,483	NA	33,221	39.0	21.6	4,032	3.8	2.0	60,774	132.7	2.8	28,925	6.1	27.6	16,519	4.4	15.3	31,912	65.2	4.5	1,104	1.9	0.2			

Source Material:Field Review, 2010 NAIP Aerials

¹ Segment impacts must be split into separate rows under the following conditions: when a segment shares only a portion of its length with an

² This cell should be zero or relatively close to zero in most cases. It checks to see that the length (column F) of the segment considered in each row is equal to the sum of the lengths for all the land cover categories. If this cell does not equal zero then explain why in the comment

³ Describe the data sources used in arriving at resource impact estimates.

DOCKET NO. 4220-CE-176
Table 2 Natural resource, residential, and commercial impact by segment and route (AFR section 2.4.2.1)
Alternate Route B

GENERAL SEGMENT DATA (2.4.2.1.1-2.4.2.1.6)							LAND COVER CATEGORIES (Only show categories that occur on the route - for categories see below and section 2.4.2.1.7)																				COMMENTS					
							AGRICULTURAL (2.4.2.1.7.1)						NON AGRICULTURAL UPLAND (2.4.2.1.7.2)						WETLAND (2.4.2.1.7.2.2)						DEVELOPED (2.4.21.7.3)							
							Crop Land			Pasture			Prairie/Grassland			Upland Forest			Forested Wetland			Non-Forested Wetland			Commercial/ Industrial							
Segment	ROW Width Required - (Existing/New) (ft)	Existing ROW Width Used (ft) (excluding roads) ¹	New ROW Width Required (ft) (excluding roads)	Total Segment Length (ft)	Length (ft)	Segment Length Shared with Existing ROW (ft)	Length (Feet)	Existing ROW Area Shared (acres)	New ROW Area Required (acres)	Length (Feet)	Existing ROW Area Shared (acres)	New ROW Area Required (acres)	Length (Feet)	Existing ROW Shared Area (acres)	New ROW Area Required (acres)	Length (Feet)	Existing ROW Shared Area (acres)	New ROW Area Required (acres)	Length (Feet)	Existing ROW Shared Area (acres)	New ROW Area Required (acres)	Length (Feet)	Existing ROW Shared Area (acres)	New ROW Area Required (acres)								
3	100/0	100	0	2,704	2704	2,704	982	2.3	0.0		0.00	0.00	1,722	4.0	0.00		0.00	0.00		0.00	0.00		0.00	0.00		0.00	0.00					
17	100/0	100	0	26,620	26620	26,620	900	2.1	0.0	1,077	2.47	0.00	11,517	26.4	0.00		0.00	0.00		0.00	0.00	13,127	30.14	0.00		0.00	0.00					
18a	0/100	0	100	1,467	1467	0	900	0.0	2.1		0.00	0.00	222	0.0	0.51		0.00	0.00	68	0.00	0.16	277	0.00	0.64		0.00	0.00					
18b	0/100	0	100	1,468	1468	0	70	0.0	0.2		0.00	0.00	77	0.0	0.18	536	0.00	1.23	574	0.00	1.32	212	0.00	0.49		0.00	0.00					
18c	0/100	0	100	220	220	0		0.0	0.0		0.00	0.00		0.0	0.00	220	0.00	0.51		0.00	0.00		0.00	0.00		0.00	0.00					
18d	50/0	0	50	290	290	0		0.0	0.0		0.00	0.00		0.0	0.00	290	0.00	0.33		0.00	0.00		0.00	0.00		0.00	0.00					
46	50/0	0	50	3,416	3416	0		0.0	0.0		0.00	0.00	687	0.0	0.79	2,298	0.00	2.64	284	0.00	0.33		0.00	0.00	149	0.00	0.17					
50	120/0	120	0	5,517	5517	5,517	4,350	12.0	0.0		0.00	0.00	1,168	3.2	0.00		0.00	0.00		0.00	0.00		0.00	0.00		0.00	0.00					
50	0/65	0	65	5,517	5517	0	4,350	0.0	6.5		0.00	0.00	164	0.0	0.24	1,004	0.00	1.50		0.00	0.00		0.00	0.00		0.00	0.00					
51	120/65	120	65	1,175	1175	1,175	1,175	3.2	1.8		0.00	0.00		0.0	0.00		0.00	0.00		0.00	0.00		0.00	0.00		0.00	0.00					
52	0/100	0	100	4,368	4368	0	2,153	0.0	4.9		0.00	0.00		0.0	0.00	1,350	0.00	3.10	24	0.00	0.06	840	0.00	1.93		0.00	0.00					
53	0/100	0	100	1,497	1497	0	1,164	0.0	2.7	332	0.00	0.76		0.0	0.00		0.00	0.00		0.00	0.00		0.00	0.00		0.00	0.00					
54	0/100	0	100	3,173	3173	0	692	0.0	1.6		0.00	0.00	1,350	0.0	3.10	1,131	0.00	2.60		0.00	0.00		0.00	0.00		0.00	0.00					
55	120/0	120	0	2,119	2119	2,119		0.0	0.0		0.00	0.00	1,745	4.8	0.00		0.00	0.00		0.00	0.00	374	1.03	0.00		0.00	0.00					
55	0/65	0	65	2,119	2119	0		0.0	0.0		0.00	0.00	929	0.0	1.39	816	0.00	1.22		0.00	0.00	374	0.00	0.56		0.00	0.00					
56	120/0	120	0	1,330	1330	1,330	1,330	3.7	0.0		0.00	0.00		0.0	0.00		0.00	0.00		0.00	0.00		0.00	0.00		0.00	0.00					
57	120/0	120	0	6,651	6651	6,651	4,680	12.9	0.0		0.00	0.00	1,476	4.1	0.00		0.00	0.00		0.00	0.00		0.00	0.00	495	1.36	0.00					
58	120/0	120	0	946	946	946	535	1.5	0.0		0.00	0.00	411	1.1	0.00		0.00	0.00		0.00	0.00		0.00	0.00		0.00	0.00					
60	120/0	120	0	9,707	9707	9,707		0.0	0.0		0.00	0.00	7,720	21.3	0.00		0.00	0.00		0.00	0.00	1,987	5.47	0.00		0.00	0.00					
61	0/100	0	100	578	578	0		0.0	0.0	10	0.00	0.02	165	0.0	0.38	102	0.00	0.23		0.00	0.00	301	0.00	0.69		0.00	0.00					
62	35/65	35	65	9,171	9171	9,171		0.0	0.0	1,424	1.14	2.12		0.0	0.00	6,272	5.04	9.36	659	0.53	0.98	598	0.48	0.89	219	0.18	0.33					
63	35/65	35	65	13,030	13030	13,030	920	0.7	1.4	2,485	2.00	3.71	1,975	1.6	2.95	5,397	4.34	8.05	862	0.69	1.29	1,391	1.12	2.08		0.00	0.00					
64	35/65	35	65	4,654	4654	4,654	793	0.6	1.2	732	0.59	1.09	168	0.1	0.25	2,310	1.86	3.45	451	0.36	0.67	201	0.16	0.30		0.00	0.00					
65	0/100	0	100	1,301	1301	0		0.0	0.0		0.00	0.00		0.0	0.00	1,301	0.00	2.99		0.00	0.00		0.00	0.00		0.00	0.00					
66	0/100	0	100	12,217	12217	0		0.0	0.0		0.00	0.00		0.0	0.00	6,057	0.00	13.90	2,248	0.00	5.16	3,830	0.00	8.79	82	0.00	0.19					
67	0/100	0	100	10,138	10138	0		0.0	0.0		0.00	0.00	508	0.0	1.17	9,003	0.00	20.67		0.00	0.00		0.00	0.00	627	0.00	1.44					
68	35/65	35	65	14,657	14657	9,905		0.0	0.0	1,408	1.13	2.10	1,564	1.3	2.33	7,687	6.18	11.47	3,161	2.54	4.72	838	0.67	1.25		0.00	0.00					
69	0/100	0	100	4,194	4194	0		0.0	0.0	108	0.00	0.25	1,203	0.0	2.76	2,296	0.00	5.27	587	0.00	1.35		0.00	0.00		0.00	0.00					
70	35/65	35	65	4,421	4421	4,421		0.0	0.0	217	0.17	0.32	310	0.2	0.46	3,053	2.45	4.56	675	0.54	1.01	165	0.13	0.25		0.00	0.00					
71	50/0	50	0	429	429	429		0.0	0.0		0.00	0.00	284	0.3	0.00		0.00	0.00		0.00	0.00		0.00	0.00	145	0.17	0.00					
72	50/0	50	0	1,458	1,458	1,458	21	0.0	0.0		0.00	0.00	1,437	1.6	0.00		0.00	0.00		0.00	0.00		0.00	0.00		0.00	0.00					
73a	50/0	50	0	1,420	1,420	1,420		0.0	0.0		0.00	0.00	1,352	1.6	0.00		0.00	0.00		0.00	0.00		0.00	0.00	68	0.08	0.00					
73b	50/0	50	0	1,424	1,424	1,424		0.0	0.0		0.00	0.00	1,357	1.6	0.00		0.00	0.00		0.00	0.00		0.00	0.00	67	0.08	0.00					
73b	0/50	0	50	1,424	1,424	1,424		0.0	0.0		0.00	0.00		0.0	0.00	1,357	0.00	1.56		0.00	0.00		0.00	0.00	67	0.00	0.08					
74	50/0	50	0	875	875	875		0.0	0.0		0.00	0.00	875	1.0	0.00		0.00	0.00		0.00	0.00		0.00	0.00		0.00	0.00					
74	50/0	50	50	875	875	875		0.0	0.0		0.00	0.00		0.0	0.00	875	1.00	1.00		0.00	0.00		0.00	0.00		0.00	0.00					
								0.0	0.0		0.00	0.00		0.0	0.00		0.00	0.00		0.00	0.00		0.00	0.00		0.00	0.00					
Total	NA	NA	NA	162,570	162,570	NA	25,015	39.0	22.2	7,793	7.5	10.4	40,386	74.2	16.5	53,355	20.9	95.6	9,593	4.7	17.0	24,515	39.2	17.9	1,919	1.9	2.2					

Source Material: Field Review, 2010 NAIP Aerials

¹ Segment impacts must be split into separate rows under the following conditions: when a segment shares only a portion of its length with an existing corridor, when the proportion of shared to new ROW changes within a segment, and when a given length of a segment splits impacts between two or more resource impacts. (See sample Table 2 footnotes 1 & 2.)

² This cell should be zero or relatively close to zero in most cases. It checks to see that the length (column F) of the segment considered in each row is equal to the sum of the lengths for all the land cover categories. If this cell does not equal zero then explain why in the

³ Describe the data sources used in arriving at resource impact estimates.

Shaded cells have formulas. Thes cells are protected and shold not be changed without Commission staff approval

Land Cover Categories (2.4.2.1.7)	
Agriculture (2.4.2.1.7.1)	Non-Agricultural Upland(2.4.2.1.7.2)
Crop land	Upland forest
Pasture	Prairie/Grassland
Old Field	Other
Agriculture - specialty (2.4.2.1.4.1)	Wetland (2.4.2.1.7.2.2)
Ginseng	Forested Wetland
Tree Farm	Non-forested Wetland
Orchard	
Cranberry Bog	
Developed land (2.4.2.1.7.3)	
Residential	
Commercial/ Industrial	

Wetland Id Source code:	
WWI	Wetland Im
APD(xx)	Aerial Photo Documentation
FD(x-xx)	Recreation (Di

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Table 3 - Impacts - Public and Tribal Lands (AFR section 2.4.3.1)

Preferred Route

	General Segment Data				FEDERAL LAND (2.4.3.1.4.1)				STATE LAND (2.4.3.1.4.2)				COUNTY (2.4.3.1.4.3)		VILLAGE/CITY (2.4.3.1.4.4)		TRIBAL LANDS (2.4.3.1.4.5)		COMMENTS
					Insert property type		Insert property type		Insert property type		Insert property type		Insert property type		Insert property type		Insert property name		
Segment ¹	Existing ROW Width Shared (ft)	New ROW Width Required ² (ft)	Total Segment Length (ft)	Length ³ (ft)	Length (ft)	Acres	Length (ft)	Acres	Length (ft)	Acres	Length (ft)	Acres	Length (ft)	Acres	Length (ft)	Acres	Length (ft)	Acres	
1a	50	50	987	987		0.00		0.00		0.00		0.00		0.00		0.00		0.00	
1b	50	0	973	973		0.00		0.00		0.00		0.00		0.00		0.00		0.00	
2	50	50	1,312	1,312		0.00		0.00		0.00		0.00		0.00		0.00		0.00	
3	100	0	2,704	2,704		0.00		0.00		0.00		0.00		0.00		0.00		0.00	
4	120	35	5,516	5,516		0.00		0.00		0.00		0.00		0.00		0.00		0.00	
5	120	35	1,174	1,174		0.00		0.00		0.00		0.00		0.00		0.00		0.00	
6	120	35	1,237	1,237		0.00		0.00		0.00		0.00		0.00		0.00		0.00	
7	20	30	5,330	2,630		0.00		0.00		0.00		0.00		0.00		0.00		0.00	
7	0	50		2,700		0.00		0.00		0.00		0.00		0.00		0.00		0.00	
8	0	50	2,413	2,413		0.00		0.00		0.00		0.00		0.00		0.00		0.00	
9	120	0	6,744	6,744		0.00		0.00		0.00		0.00		0.00		0.00		0.00	
10	120	35	981	981		0.00		0.00		0.00		0.00		0.00		0.00		0.00	
11	120	35	1,961	1,961		0.00		0.00		0.00		0.00		0.00		0.00		0.00	
12	120	35	9,776	9,776		0.00		0.00	1,101	0.88		0.00		0.00		0.00		0.00	
13	120	35	3,256	3,256		0.00		0.00		0.00		0.00		0.00		0.00		0.00	Sand Lake Rearing Station
14a	100	0	8,226	8,226		0.00		0.00	2,827	0.00		0.00		0.00		0.00	2,191	0.00	Flambeau River State Forest (State)LCO Re
14b	100	0	557	557		0.00		0.00		0.00		0.00		0.00		0.00	557	0.00	LCO Reservation
15a	75	0	7,332	7,332		0.00		0.00		0.00		0.00		0.00		0.00	7,332	0.00	LCO Reservation
15b	75	0	228	228		0.00		0.00		0.00		0.00		0.00		0.00	228	0.00	LCO Reservation
16a	100	0	543	543		0.00		0.00		0.00		0.00		0.00		0.00	543	0.00	LCO Reservation
16c	100	0	20,847	20,847		0.00		0.00		0.00		0.00		0.00		0.00	19,495	0.00	LCO Reservation
17	100	0	26,620	26,620		0.00		0.00	163	0.00		0.00		0.00		0.00		0.00	Tuscobia State Trail
18a	0	100	1,467	1,467		0.00		0.00		0.00		0.00		0.00		0.00		0.00	
18b	0	100	1,468	1,468		0.00		0.00		0.00		0.00		0.00		0.00		0.00	
18c	0	100	220	220		0.00		0.00		0.00		0.00		0.00		0.00		0.00	
18d	0	50	290	290		0.00		0.00		0.00		0.00		0.00		0.00		0.00	
71	50	0	429	429		0.00		0.00		0.00		0.00		0.00		0.00		0.00	
72	50	0	1,458	1,458		0.00		0.00		0.00		0.00		0.00		0.00		0.00	
Total	NA	NA	114049	114049	0	0.00	0	0.00	4,091	0.88	0	0.00	0	0.00	0	0.00	30,346	0.00	

Include only ownership types that occur on the route. Refer to section 2.4.3 of the PSC Transmission Line AFR - V17A

Source Material: Wisconsin DNR, US Census, Sawyer County Zoning¹ If only a portion of a segment's length shares an existing ROW, or if the extent of ROW sharing changes, then use separate rows to enter the data.² Use only new or expanded ROW³ This is the portion of the segment being summarized in this row. Take values from Table 2 - Column F
Shaded cells have formulas. These cells are protected and should not be changed without Commission staff approval

Table 3 - Impacts - Public and Tribal Lands (AFR section 2.4.3.1)

Alternate Route A

	General Segment Data				FEDERAL LAND (2.4.3.1.4.1)				STATE LAND (2.4.3.1.4.2)				COUNTY (2.4.3.1.4.3)		VILLAGE/CITY (2.4.3.1.4.4)		TRIBAL LANDS (2.4.3.1.4.5)		
					Insert property type		Insert property type		Insert property type		Insert property type		Insert property type		Insert property type		Insert property name		
Segment ¹	Existing ROW Width Shared (ft)	New ROW Width Required ² (ft)	Total Segment Length (ft)	Length ³ (ft)	Length (ft)	Acres	Length (ft)	Acres	Length (ft)	Acres	Length (ft)	Acres	Length (ft)	Acres	Length (ft)	Acres	Length (ft)	Acres	COMMENTS
1a	50	50	987	987		0.00		0.00		0.00		0.00		0.00		0.00		0.00	
1c	50	0	178	178		0.00		0.00		0.00		0.00		0.00		0.00		0.00	
1d	50	0	466	466		0.00		0.00		0.00		0.00		0.00		0.00		0.00	
9	120	0	6,744	6744		0.00		0.00		0.00		0.00		0.00		0.00		0.00	
15a	75	0	7,332	7332		0.00		0.00		0.00		0.00		0.00		0.00	7,332	0.00	LCO Reservation
15c	75	0	227	227		0.00		0.00		0.00		0.00		0.00		0.00	227	0.00	LCO Reservation
16b	100	0	550	550		0.00		0.00		0.00		0.00		0.00		0.00	550	0.00	LCO Reservation
16c	100	0	20,847	20847		0.00		0.00		0.00		0.00		0.00		0.00	19,495	0.00	LCO Reservation
17	100	0	26,620	26620		0.00		0.00	163	0.00		0.00		0.00		0.00		0.00	Tussockia State Trail
18a	0	100	1,467	1467		0.00		0.00		0.00		0.00		0.00		0.00		0.00	
18b	0	100	1,468	1468		0.00		0.00		0.00		0.00		0.00		0.00		0.00	
18c	0	100	220	220		0.00		0.00		0.00		0.00		0.00		0.00		0.00	
18d	0	50	290	290		0.00		0.00		0.00		0.00		0.00		0.00		0.00	
20	50	50	1,312	1312		0.00		0.00		0.00		0.00		0.00		0.00		0.00	
21	100	0	2,704	2704		0.00		0.00		0.00		0.00		0.00		0.00		0.00	
22	120	0	5,527	5527		0.00		0.00		0.00		0.00		0.00		0.00		0.00	
23	120	40	1,166	1166		0.00		0.00		0.00		0.00		0.00		0.00		0.00	
24	120	40	1,239	1239		0.00		0.00		0.00		0.00		0.00		0.00		0.00	
24a	50	0	122	122		0.00		0.00		0.00		0.00		0.00		0.00		0.00	
24b	50	0	231	231		0.00		0.00		0.00		0.00		0.00		0.00		0.00	
26	120	0	946	946		0.00		0.00		0.00		0.00		0.00		0.00		0.00	
27	120	0	1,973	1973		0.00		0.00		0.00		0.00		0.00		0.00		0.00	
28	120	0	9,617	9617		0.00		0.00	1,101	0.00		0.00		0.00		0.00		0.00	Sand Lake Rearing Station
29	120	0	2,799	2799		0.00		0.00		0.00		0.00		0.00		0.00		0.00	
30	100	0	9,372	9372		0.00		0.00	2,827	0.00		0.00		0.00		0.00	2,741	0.00	Flambeau River State Forest (State) LCO Re
35	0	50	6,041	6041		0.00		0.00		0.00		0.00		0.00		0.00		0.00	
36	20	30	2,496	2496		0.00		0.00		0.00		0.00		0.00		0.00		0.00	
37	0	50	2,542	2542		0.00		0.00		0.00		0.00		0.00		0.00		0.00	
40	0	50	14,260	15635		0.00		0.00		0.00		0.00		0.00	2,511	2.88		0.00	Village of Stone Lake
41	20	30	18,484	17109		0.00		0.00		0.00		0.00		0.00		0.00		0.00	
42	20	30	3,585	3585		0.00		0.00		0.00		0.00		0.00		0.00		0.00	
43	0	50	8,632	8632		0.00		0.00	1,628	1.87		0.00		0.00		0.00		0.00	Rem-Hauer Creek Fishery Management Area
44	20	30	4,756	4756		0.00		0.00		0.00		0.00		0.00		0.00		0.00	
45	0	50	1,282	1282		0.00		0.00		0.00		0.00		0.00		0.00		0.00	
46	0	50	3,416	3416		0.00		0.00		0.00		0.00		0.00		0.00		0.00	
71	50	0	429	429		0.00		0.00		0.00		0.00		0.00		0.00		0.00	
72	50	0	1,458	1458		0.00		0.00		0.00		0.00		0.00		0.00		0.00	
Total	NA	NA	171,785	171785	0	0.00	0	0.00	5,719	1.87	0	0.00	0	0.00	2,511	2.88	30,345	0.00	

Include only ownership types that occur on the route. Refer to section 2.4.3 of the PSC Transmission Line AFR - V17A

Source Material: Wisconsin DNR, US Census, Sawyer County 2010 Zoning¹ If only a portion of a segment's length shares an existing ROW, or if the extent of ROW sharing changes, then use separate rows to enter the data.² Use only new or expanded ROW³ This is the portion of the segment being summarized in this row. Take values from Table 2 - Column F

Shaded cells have formulas. These cells are protected and should not be changed without Commission staff approval

Table 3 - Impacts - Public and Tribal Lands (AFR section 2.4.3.1)

Alternate Route B

	General Segment Data				FEDERAL LAND (2.4.3.1.4.1)				STATE LAND (2.4.3.1.4.2)				COUNTY (2.4.3.1.4.3)		VILLAGE/CITY (2.4.3.1.4.4)		TRIBAL LANDS (2.4.3.1.4.5)		
					Insert property type		Insert property type		Insert property type		Insert property type		Insert property type		Insert property type		Insert property name		
Segment ¹	Existing ROW Width Shared (ft)	New ROW Width Required ² (ft)	Total Segment Length (ft)	Length ³ (ft)	Length (ft)	Acres	Length (ft)	Acres	Length (ft)	Acres	Length (ft)	Acres	Length (ft)	Acres	Length (ft)	Acres	Length (ft)	Acres	COMMENTS
3	100	0	2,704	2704		0.00		0.00		0.00		0.00		0.00		0.00		0.00	
17	100	0	26,620	26620		0.00		0.00	163	0.00		0.00		0.00		0.00		0.00	Tuscobia State Trail
18a	0	100	1,467	1467		0.00		0.00		0.00		0.00		0.00		0.00		0.00	
18b	0	100	1,468	1468		0.00		0.00		0.00		0.00		0.00		0.00		0.00	
18c	0	100	220	220		0.00		0.00		0.00		0.00		0.00		0.00		0.00	
18d	0	50	290	290		0.00		0.00		0.00		0.00		0.00		0.00		0.00	
46	0	50	3,416	3416		0.00		0.00		0.00		0.00		0.00		0.00		0.00	
50	120	65	5,527	5527		0.00		0.00		0.00		0.00		0.00		0.00		0.00	
51	120	65	1,175	1175		0.00		0.00		0.00		0.00		0.00		0.00		0.00	
52	0	100	4,368	4368		0.00		0.00		0.00		0.00		0.00		0.00		0.00	
53	0	100	1,497	1497		0.00		0.00		0.00		0.00		0.00		0.00		0.00	
54	0	100	3,173	3173		0.00		0.00		0.00		0.00		0.00		0.00		0.00	
55	120	65	2,119	2119		0.00		0.00		0.00		0.00		0.00		0.00		0.00	
56	120	0	1,330	1330		0.00		0.00		0.00		0.00		0.00		0.00		0.00	
57	120	0	6,651	6651		0.00		0.00		0.00		0.00		0.00		0.00		0.00	
58	120	0	946	946		0.00		0.00		0.00		0.00		0.00		0.00		0.00	
60	120	0	9,707	9707		0.00		0.00	1,101	0.00		0.00		0.00		0.00		0.00	Sand Lake Rearing Station
61	0	100	578	578		0.00		0.00		0.00		0.00		0.00		0.00		0.00	
62	35	65	9,171	9171		0.00		0.00	823	1.23		0.00		0.00		0.00		0.00	Sand Lake Rearing Station
63	35	65	13,030	13030		0.00		0.00	2,681	4.00		0.00		0.00		0.00		0.00	
64	35	65	4,654	4654		0.00		0.00		0.00		0.00		0.00		0.00		0.00	Rem-Hauer Creek Fisher Management Area
65	0	100	1,301	1301		0.00		0.00		0.00		0.00		0.00		0.00		0.00	
66	0	100	12,217	12217		0.00		0.00		0.00		0.00		0.00		0.00		0.00	
67	0	100	10,138	10138		0.00		0.00		0.00		0.00		0.00		0.00		0.00	
68	35	65	14,657	14657		0.00		0.00		0.00		0.00		0.00		0.00		0.00	
69	0	100	4,194	4194		0.00		0.00		0.00		0.00		0.00		0.00		0.00	
70	35	65	4,421	4421		0.00		0.00		0.00		0.00		0.00		0.00		0.00	
71	50	0	429	416		0.00		0.00		0.00		0.00		0.00		0.00		0.00	
72	50	0	1,458	1,458		0.00		0.00		0.00		0.00		0.00		0.00		0.00	
73a	50	0	1,420	1,420		0.00		0.00		0.00		0.00		0.00		0.00		0.00	
73b	50	50	1,424	1,424		0.00		0.00		0.00		0.00		0.00		0.00		0.00	
74	50	50	875	875		0.00		0.00		0.00		0.00		0.00		0.00		0.00	
Total	NA	NA	152645	152632	0	0.00	0	0.00	4,768	5.23	0	0.00	0	0.00	0	0.00	0	0.00	

Include only ownership types that occur on the route. Refer to section 2.4.3 of the PSC Transmission Line AFR - V17A

Source Material: Wisconsin DNR, US Census, Sawyer County 2010 Zoning

¹ If only a portion of a segment's length shares an existing ROW, or if the extent of ROW sharing changes, then use separate rows to enter the data.

² Use only new or expanded ROW

³ This is the portion of the segment being summarized in this row. Take values from Table 2 - Column F

Shaded cells have formulas. These cells are protected and should not be changed without Commission staff approval

Table 4. Route Impact Summary

			Land Cover Impacts							Residences/Apartments ³ (2.4.4.6)					
			Upland (acres) (2.4.4.2-2.4.4.4)				Wetland (acres) (2.4.4.5)								
Route ¹	Route Length (ft)	Route Length (miles)*	Agriculture (Existing and New ROW)	Non-Ag Upland ² (Existing and New)	Upland Forest (Existing ROW)	Upland Forest (New ROW)	Forested Wetland (Existing ROW)	Forested Wetland (New ROW)	Non forested Wetland (New and Existing ROW)	0-25 ft	26-50 ft	51-100 ft	101-150 ft	151-300 ft	Total
P (1a,1b,2,3,4,5,6,7,8,9,10,11,12,13,14a,14b,15a,15b,16a,16c,17,18a,18b,18c,18d,71,72)	114,049	21.6	53.5	137.2	0.6	14.0	0.0	1.5	69.4	1	0	4	9	23	38
A (1a,1c,1d,9,15a,15c,16b,16c,17,18a,18b,18c,18d,20,21,22,23,24,24a,24b,26,27,28,29,30,35,36,37,40,41,42,43,44,45,46,71,72)	171,785	32.5	66.4	135.5	6.1	27.6	4.4	15.3	69.7	0	0	3	8	26	37
B (3,17,18a,18b,18c,18d,46,50,51,52,53,54,55,56,57,58,60,61,62,63,64,65,66,67,68,69,70,71,72,73a,73b,74)	152,645	28.9	79.1	90.7	20.9	95.6	4.7	17.0	57.1	0	0	4	11	45	60
		0.0													

* Note that for segments that consist of the 69 kV line paralleling the 345/161 kV line (or 161 kV line paralleling 345/69 kV line), only one length is recorded for the segment.

Total length of 69 kV line for Preferred alternative is 20.1 miles; 25.4 for Alternate Route A; 25.7 miles for Alternate Route B.

Total length of 161 kV line for Preferred alternative is 18.11 miles; 18.11 miles for Alternate Route A; 23.9 miles for Alternate Route B.

Source Material: Field Review, 2010 NAIP Aerials

¹ List segment numbers in parentheses that comprise each route

² See sample Table 2 and Section 2.4.2.1.7.2.1.1. This category excludes upland forest.

³ For apartments use building codes listed in Sample Table 1B