Section	Length (Mile)	Number of Poles [1]	Number of Spans [2]	Temporary Impacts: Total Temporary Construction Impacts (Acres) [2]	Number of Spooling Locations (every 2 miles) [3]	Temp Spool Impacts (sq ft) [3]	Temp Spool Impacts (Acres) [3]	Number Staging Areas [3]	Temp Staging Impacts [3]	Total Temporary Impacts (Acres) [4]	Permanent Impacts: Crop Land (Acres) [5]	Percent Crop Land [5]	Number of Poles in Crop Land	Permanent Impact in Agriculture (sq ft) [6]	Number of Poles in Non-agricultural Lands	Permanent Poles Non-agriculture Land (sq ft) [6]	Total Permanent Pole Impacts (sq ft)	Total Permanent Pole Impacts (Acres)
BL - Preferred	48.1	254	254	254	24	38,400	0.9	2	10	265	101	86.3%	219	219,000	35	1925	220,925	5.1
LV - Preferred	29.5	156	156	156	15	24,000	0.6	1	5	162	64	88.9%	139	139,000	17	935	139,935	3.2
LC - Preferred	51.9	274	274	274	26	41,600	1.0	2	10	285	120	95.2%	261	261,000	13	715	261,715	6.0
CH - Preferred	62.2	329	329	329	31	49,600	1.1	2	10	340	140	92.7%	305	305,000	24	1293	306,293	7.0
HM - Preferred	26.6	140	140	140	13	20,800	0.5	1	5	145	46	71.9%	101	101,000	39	2145	103,145	2.4
MP - Preferred	18.5	98	97	97	9	14,400	0.3	1	5	102	33	73.3%	72	72,000	26	1430	73,430	1.7
Preferred Total	236.8	1251	**1250**	1250	118	188,800	**4.4**	**9**	**45**	1299	**504**	87.7%	**1097**	1,097,000	154	**8443**	**1,105,443**	**25.4**
BL - Alternate	48.1	254	254	254	24	38,400	0.9	2	10	265	101	86.3%	219	219,000	35	1925	220,925	5.1
LV - Alternate	33.2	175	175	175	17	27,200	0.6	1	5	181	73	90.1%	158	158,000	17	935	158,935	3.6
LC - Alternate	52.7	278	278	278	26	41,600	1.0	2	10	289	120	93.8%	261	261,000	17	935	261,935	6.0
CH - Alternate	73.8	390	390	390	37	59,200	1.4	3	15	406	158	88.3%	344	344,000	46	2530	346,530	8.0
HM - Alternate	30.3	160	160	160	15	24,000	0.6	1	5	166	44	60.3%	96	96,000	64	3520	99,520	2.3
MP - Alternate	24.0	127	126	126	12	19,200	0.4	1	5	131	34	58.6%	74	74,000	53	2915	76,915	1.8
Alternate Total	262.0	1384	1383	1383	131	209,600	**4.8**	10	50	1438	**530**	83.4%	**1152**	1,152,000	232	**12,738**	**1,164,738**	**26.7**

Segment	
BL - Preferred	BL50, BL1003, BL1004, BL1005, BL1008, BL296, BL339, BL98, BL104, BL280, BL182, BL183, BL184, BL185, BL186, BL188, BL315, BL350, BL189, BL214, BL212, BL215, BL220, BL221, BL273, BL297, BL331, BL332, BL53, BL356, BL109, BL110, BL175, BL176, BL177, BL178, BL179, BL310, BL373, BL374, BL180, BL181
LV - Preferred	BL223. LC11. LC8. LC95. LC143. LC18. LC19. LC22. LC28. LC29. LC39. LC127. LC40. LC47. LC49. LC58. LC60. LC67. LC87. LC89. CV3. CV4. CV2
LC - Preferred	LF239, LF240, LF276, LF361, LF6, LF35, LF18, LF33, LF37, LF25, LF62, LF88, LF206, LF208, LF89, LF93, LF94, LF98, LF99, LF209, LF210, LF212, LF216, LF218, LF352, LF366, LF175, LF367, LF198, LF330, LF331, FH35, FH414, LF1030, LF192, LF193, LF195
CH - Preferred	FH28, FH447, FH448, FH50, FH513, FH52, FH53, FH463, FH464, FH465, FH49, FH523, FH69, FH70, FH71, FH72, FH461, FH467, FH469, FH470, FH471, FH472, FH473, FH474, FH492, FH132, FH475, FH398, FH399, FH401, FH164, FH165, FH166, FH173, FH174, FH485, FH486, FH524, FH487, FH525, FH488, FH246, FH256, FH257, FH264, FH377, FH449, FH451, HM141
HM - Preferred	FH298, FH479, FH480, FH302, FH381, FH382, FH342, FH343, HM133, HM204, HM30, HM31, HM32, MP1015, HM108, HM111, HM114, HM158, HM160, HM167, HM168, HM172, HM194, HM207, HM118, HM174, MP267
MP - Preferred	MP1018, MP1019, MP1020, MP1035, MP224, MP236, MP237, MP238, MP286, MP279, MP258, MP259, MP172, MP282, MP119, MP239, MP241, MP168, MP173, MP280, MP281, MP151, MP261, MP150, MP243, MP245, MP266, MP293, MP294
BL - Alternate	BL291, BL69, BL12, BL13, BL14, BL15, BL16, BL17, BL264, BL265, BL281, BL358, BL250, BL245, BL360, BL361, BL72, BL73, BL150, BL151, BL327, BL351, BL1010, BL1011, BL1012, BL1013, BL154, BL171, BL172, BL174, BL227, BL370, BL225, BL226, BL294, BL292, BL293, BL328, BL356
LV - Alternate	LF239, LF240, LC12, LC13, LC135, LC5, LC6, LC7, LF1, LC100, LC101, LC102, LC103, LC108, LC115, LC116, LC117, LC14, LC98, LC123, LC124, LC125, LC53, LC54, LC56, LC57, LC68, LC88, CV5, LC85, CV2
LC - Alternate	LF239, LF240, LF276, LF328, LF8, LF9, LF10, LF26, LF27, LF334, LF7, LF20, LF36, LF302, LF307, LF41, LF42, LF53, LF54, LF1010, LF1025, LF1035, LF341, LF69, LF74, LF1022, LF1023, LF258, FH484, LF1000, LF1001, LF1002, LF1011, LF1012, LF1034, LF116, LF117, LF136, LF137, LF138, LF282, LF285, LF360, LF368
CH - Alternate	FH10, FH11, FH2, FH20, FH21, FH3, FH38, FH39, FH8, FH9, FH82, FH83, FH493, FH89, FH90, FH97, FH102, FH103, FH497, FH498, FH500, FH501, FH502, FH503, FH504, FH98, FH99, FH1003, FH1004, FH1005, FH1006, FH193, FH194, FH195, FH196, FH197, FH200, FH201, FH202, FH203, FH204, FH205, FH213, FH214, FH320, FH322, FH323, FH324, FH326, FH327, FH328, FH490, FH515, FH516, FH506, FH507, FH508, FH509, FH302, FH381, FH382, FH375
HM - Alternate	FH376, HM129, HM148, HM154, HM202, HM203, HM57, HM58, HM59, HM61, HM62, HM75, HM76, HM79, HM81, HM85, HM86, HM87, HM88, HM91, HM92, MP51, MP52, MP38, MP39, MP47, MP50, MP20, MP21, MP6, HM178, HM130, MP267
MP - Alternate	MP1018, MP1019, MP1020, MP1035, MP1016, MP1017, MP271, MP30, MP1000, MP35, MP36, MP1036, MP109, MP111, MP113, MP181, MP182, MP300, MP301, MP191, MP192, MP193, MP215, MP194, MP195, MP204, MP210, MP211, MP221, MP296, MP168, MP173

Assumptions
1. Number of poles was determined by dividing the length of each route section by the average span between poles. Average span for 345 kV poles is 1000ft. This number is approximate since the final number of poles is dependent on the final engineering design.
2. Temporary construction impacts were determined using 1 acre per span. A span is defined as the distance from a pole to a pole. Number of spans for the route is defined as total number of poles minus one.
3. Spooling impacts were determined as a 1,600 square feet stringing location every 2 miles and while Staging Area impact was determined as a 5 acre staging area every 25 miles.
4. Total temporary impacts were calculated by summing the impacts from the temporary construction impact, the spooling impacts, and staging impacts.
5. Crop land area was based upon GAP landcover. The percentage was based upon the area within a temporary construction area.
6. Permanent impacts were calculated assuming 1,000 square feet (in agricultural land) and 55 square feet (in non-agricultural land) per structure. Total permanent impacts were determined by summing agricultural and non-agricultural impacts.

Section	Route Length (Miles)	Route (Acres)[8]	Right-of-Way (Acres)[7]	Temporary Impacts (Acres)[2]	Permanent Impacts (Acres)[3]	Corridor Sharing								Homes							
						Corridor Sharing - Road (Miles)	Corridor Sharing - Transmission (Miles)	Corridor Sharing - Railroad (Miles)	Corridor Sharing - Pipeline (Miles)	Corridor Sharing - Field lines (Miles)	No Corridor Sharing (Miles)[5]	Total Corridor Sharing (Miles)[4]	Total Corridor Sharing (Percent)	Number of Occupied Homes in Route[8, 9]	Number of Occupied Homes per Mile[8]	0-75 ft from Route Centerline	75-150 ft from Route Centerline	150-300 ft from Route Centerline	300-500 ft from Route Centerline	0-500 ft from Route Centerline[9]	Number of Occupied Homes per mile
BL - Preferred	48.1	5,832	876	244	5	36.9	7.9	0.0	0.0	2.6	0.6	47.5	98.8%	32	0.7	0	3	13	15	31	0.6
LV - Preferred	29.5	3,580	537	149	3	0.0	29.5	0.0	0.0	0.0	0.0	29.5	100.0%	35	1.2	0	7	14	13	34	1.2
LC - Preferred	51.9	7,839	943	262	6	31.9	2.0	0.0	0.0	13.5	4.5	47.4	91.3%	31	0.6	0	5	13	7	25	0.5
CH - Preferred	62.2	10,731	1130	313	7	44.5	0.0	0.0	0.0	11.9	5.8	56.4	90.7%	116	1.9	0	6	19	24	49	0.8
HM - Preferred	26.6	3,873	486	134	2	18.1	0.3	0.0	0.0	6.1	2.1	24.5	92.3%	144	5.4	0	8	52	45	105	4.0
MP - Preferred	18.5	2,356	338	95	2	6.8	0.0	1.0	1.5	6.4	2.8	15.7	84.9%	78	4.2	0	5	30	31	66	3.6
Preferred Total	236.8	34,211	4309	**1199**	25	138.3	39.7	1.0	1.5	40.6	15.7	221.1	93.4%	436	1.8	0	34	141	135	310	1.3
BL - Alternate	48.1	8,221	874	244	5	19.1	14.6	0.0	0.0	10.5	3.9	44.2	91.9%	66	1.4	0	2	14	10	26	0.5
LV - Alternate	33.2	4,021	605	166	4	15.9	9.9	0.0	0.0	5.5	1.8	31.4	94.6%	17	0.5	0	1	8	6	15	0.5
LC - Alternate	52.7	6,506	958	266	6	24.7	5.4	0.0	0.0	21.5	1.0	51.6	98.0%	17	0.3	0	0	7	9	16	0.3
CH - Alternate	73.8	8,949	1341	374	8	50.4	1.7	0.0	0.0	16.2	5.5	68.3	92.5%	76	1.0	0	8	30	34	72	1.0
HM - Alternate	30.3	5,076	550	152	2	24.1	1.5	0.0	0.0	1.8	2.9	27.4	90.4%	148	4.9	0	10	32	39	81	2.7
MP - Alternate	24.0	3,730	436	122	2	16.0	0.0	0.0	0.0	6.2	1.8	22.2	92.3%	162	6.7	0	7	45	57	109	4.5
Alternate Total	262.0	36,503	4763	**1325**	27	150.3	33.2	0.0	0.0	61.7	17.0	245.1	93.5%	486	1.9	0	28	136	155	319	1.2

Segment	
BL - Preferred	BL50, BL1003, BL1004, BL1005, BL1008, BL296, BL339, BL98, BL104, BL280, BL182, BL183, BL184, BL185, BL186, BL188, BL315, BL350, BL189, BL214, BL212, BL215, BL220, BL221, BL273, BL297, BL331, BL332, BL53, BL356, BL109, BL110, BL175, BL176, BL177, BL178, BL179, BL310, BL373, BL374, BL180, BL181
LV - Preferred	BL223, LC11, LC8, LC95, LC143, LC18, LC19, LC22, LC28, LC29, LC39, LC127, LC40, LC47, LC49, LC58, LC60, LC67, LC87, LC89, CV3, CV4, CV2
LC - Preferred	LF239, LF240, LF276, LF361, LF6, LF35, LF18, LF33, LF37, LF25, LF62, LF88, LF206, LF208, LF89, LF93, LF94, LF98, LF99, LF209, LF210, LF212, LF216, LF218, LF352, LF366, LF175, LF367, LF198, LF330, LF331, FH35, FH414, LF1030, LF192, LF193, LF19
CH - Preferred	FH28, FH447, FH448, FH50, FH513, FH52, FH53, FH463, FH464, FH465, FH49, FH523, FH69, FH70, FH71, FH72, FH461, FH467, FH469, FH470, FH471, FH472, FH473, FH474, FH492, FH132, FH475, FH398, FH399, FH401, FH164, FH165, FH166, FH173, FH174, FH485, FH486, FH524, FH487, FH525, FH488, FH246, FH256, FH257, FH264, FH377, FH449, FH451, HM141
HM - Preferred	FH298, FH479, FH480, FH302, FH381, FH382, FH342, FH343, HM133, HM204, HM30, HM31, HM32, MP1015, HM108, HM111, HM114, HM158, HM160, HM167, HM168, HM172, HM194, HM207, HM118, HM174, MP267
MP - Preferred	MP1018, MP1019, MP1020, MP1035, MP224, MP236, MP237, MP238, MP286, MP279, MP258, MP259, MP172, MP282, MP119, MP239, MP241, MP168, MP173, MP280, MP281, MP151, MP261, MP150, MP243, MP245, MP266, MP293, MP294
BL - Alternate	BL291, BL69, BL12, BL13, BL14, BL15, BL16, BL17, BL264, BL265, BL281, BL358, BL250, BL245, BL360, BL361, BL72, BL73, BL150, BL151, BL327, BL351, BL1010, BL1011, BL1012, BL1013, BL154, BL171, BL172, BL174, BL227, BL370, BL225, BL226, BL294, BL292, BL293, BL328, BL356
LV - Alternate	LF239, LF240, LC12, LC13, LC135, LC5, LC6, LC7, LF1, LC100, LC101, LC102, LC103, LC108, LC115, LC116, LC117, LC14, LC98, LC123, LC124, LC125, LC53, LC54, LC56, LC57, LC68, LC88, CV5, LC85, CV2
LC - Alternate	LF239, LF240, LF276, LF328, LF8, LF9, LF10, LF26, LF27, LF334, LF7, LF20, LF36, LF302, LF307, LF41, LF42, LF53, LF54, LF1010, LF1025, LF1035, LF341, LF69, LF74, LF1022, LF1023, LF258, FH484, LF1000, LF1001, LF1002, LF1011, LF1012, LF1034, LF116, LF117, LF136, LF137, LF138, LF282, LF285, LF360, LF368
CH - Alternate	FH10, FH11, FH2, FH20, FH21, FH3, FH38, FH39, FH8, FH9, FH82, FH83, FH493, FH89, FH90, FH97, FH102, FH103, FH497, FH498, FH500, FH501, FH502, FH503, FH504, FH98, FH99, FH1003, FH1004, FH1005, FH1006, FH193, FH194, FH195, FH196, FH197, FH200, FH201, FH202, FH203, FH204, FH205, FH213, FH214, FH320, FH322, FH323, FH324, FH326, FH327, FH328, FH490, FH515, FH516, FH506, FH507, FH508, FH509, FH302, FH381, FH382, FH375
HM - Alternate	FH376, HM129, HM148, HM154, HM202, HM203, HM57, HM58, HM59, HM61, HM62, HM75, HM76, HM79, HM81, HM85, HM86, HM87, HM88, HM91, HM92, MP51, MP52, MP38, MP39, MP47, MP50, MP20, MP21, MP6, HM178, HM130, MP267
MP - Alternate	MP1018, MP1019, MP1020, MP1035, MP1016, MP1017, MP271, MP30, MP1000, MP35, MP36, MP1036, MP109, MP111, MP113, MP181, MP182, MP300, MP301, MP191, MP192, MP193, MP215, MP194, MP195, MP204, MP210, MP211, MP221, MP296, MP168, MP173

Assumptions

1. Number of poles was determined by dividing the length of each route section by the average span between poles. Average span for 345 kV poles is 1000ft. This number is approximate since the final number of poles is dependent on the final engineering design.
2. Temporary impacts were determined using 1 acre per span. A span is defined as span plus a pole. Total temporary impacts were determinined taking total number of poles minus one.
3. Permanent impacts were calculated assuming 1,000 square feet (in agricultural land) and 55 square feet (in non-agricultural land) per structure.
4. "Total Corridor Sharing" is the approximate amount of ROW that follows existing corridors such as transmission lines, roads, field lines and railroads.
5. "No Corridor Sharing" is the approximate amount of ROW that does not follow existing corridors such as transmission lines, roads, field lines and railroads.
6. The Applicants are requesting a 150 foot wide Right-of-Way (ROW); 75 ft on either side of pole. Additional ROW may be required in special situations.
7. ROW acres were calculated based on a width of 150 feet multiplied by the length of the route centerline.
8. In most areas the width of the Route is 1000 feet. Some areas are as wide as 1.25 miles to accommodate engineering and routing concerns.
9. Occupied homes were identified during field investigations and using 2006 and 2008 NAIP aerial photographs

Section	Right-of-Way (ROW) Acres[1& 2]	Prime Farmland[3]								GAP Land Cover[4]															
		Prime Farmland within the ROW (Acres)[3]	Percent of the ROW that Crosses Prime Farmland	Prime Farmland if Drained within the ROW (acres)	Percent of ROW that Crosses Prime Farmland if Drained	Farmland of State Importance within the ROW (Acres)	Percent of ROW that Crosses Farmland of State Importance	ROW Prime Farmland, Prime Farmland if Drained, Farmland of Statewide Importance (Acres)	ROW Percent Prime Farmland, Prime Farmland if Drained, Farmland of Statewide Importance	ROW Aquatic Environments (Acres)	ROW Crop (Acres)	ROW Grassland (Acres)	ROW Lowland Deciduous Forest (Acres)	ROW Non-Vegetated (Acres)	ROW Shrubland (Acres)	ROW Upland Conifer Forest (Acres)	ROW Upland Deciduous Forest (Acres)	ROW Percent of Aquatic Environments	ROW Percent of Crop	ROW Percent of Grassland	ROW Percent of Lowland Deciduous Forest	ROW Percent of Non-Vegetated	ROW Percent of Shrubland	ROW Percent of Upland Conifer Forest	ROW Percent of Upland Deciduous Forest
BL - Preferred	876	395	45%	335	38%	66	8%	796	91%	0	759	109	0	0	5	0	2	0.0%	86.7%	12.5%	0.0%	0.0%	0.6%	0.0%	0.3%
LV - Preferred	537	201	37%	226	42%	33	6%	460	86%	5	476	37	1	0	7	0	12	0.9%	88.8%	6.8%	0.1%	0.0%	1.2%	0.0%	2.2%
LC - Preferred	943	347	37%	638	68%	35	4%	1021	108%	4	898	29	0	0	2	0	10	0.4%	95.3%	3.0%	0.0%	0.0%	0.2%	0.0%	1.0%
CH - Preferred	1130	289	26%	703	62%	84	7%	1076	95%	4	1045	64	0	4	9	0	3	0.4%	92.5%	5.7%	0.0%	0.4%	0.8%	0.0%	0.3%
HM - Preferred	486	169	35%	129	27%	94	19%	392	81%	8	347	119	0	6	4	1	0	1.5%	71.5%	24.5%	0.1%	1.3%	0.9%	0.1%	0.1%
MP - Preferred	338	200	59%	68	20%	22	7%	291	86%	6	255	54	6	8	2	0	6	1.8%	75.5%	16.0%	1.9%	2.4%	0.6%	0.0%	1.8%
Preferred Total	4309	1602	37%	2100	49%	335	8%	4036	94%	27	3781	411	8	19	29	1	33	0.6%	87.8%	9.5%	0.2%	0.4%	0.7%	0.0%	0.8%
BL - Alternate	874	407	47%	272	31%	80	9%	758	87%	0	755	108	2	0	6	0	2	0.0%	86.4%	12.4%	0.2%	0.0%	0.7%	0.0%	0.2%
LV - Alternate	605	272	45%	245	41%	36	6%	552	91%	12	548	35	0	0	3	0	7	2.0%	90.6%	5.9%	0.0%	0.0%	0.5%	0.0%	1.2%
LC - Alternate	958	360	38%	488	51%	66	7%	913	95%	2	896	32	1	0	11	0	17	0.2%	93.5%	3.3%	0.1%	0.0%	1.2%	0.0%	1.7%
CH - Alternate	1341	396	30%	791	59%	96	7%	1283	96%	15	1196	113	3	0	11	0	3	1.1%	89.2%	8.5%	0.2%	0.0%	0.8%	0.0%	0.2%
HM - Alternate	550	142	26%	194	35%	83	15%	419	76%	4	355	148	0	20	16	1	6	0.8%	64.5%	26.9%	0.0%	3.7%	2.9%	0.1%	1.2%
MP - Alternate	436	250	57%	99	23%	40	9%	389	89%	11	258	111	2	41	7	0	6	2.5%	59.2%	25.5%	0.5%	9.3%	1.6%	0.0%	1.3%
Alternate Total	4763	1826	38%	2090	44%	399	8%	4315	91%	44	4008	548	8	61	53	1	41	0.9%	84.1%	11.5%	0.2%	1.3%	1.1%	0.0%	0.9%

Segment	
BL - Preferred	BL50, BL1003, BL1004, BL1005, BL1008, BL296, BL339, BL98, BL104, BL280, BL182, BL183, BL184, BL185, BL186, BL188, BL315, BL350, BL189, BL214, BL212, BL215, BL220, BL221, BL273, BL297, BL331, BL332, BL53, BL356, BL109, BL110, BL175, BL176, BL177, BL178, BL179, BL310, BL373, BL374, BL180, BL181
LV - Preferred	BL223. LC11. LC8. LC95. LC143. LC18. LC19. LC22. LC28. LC29. LC39. LC127. LC40. LC47. LC49. LC58. LC60. LC67. LC87. LC89. CV3. CV4. CV2
LC - Preferred	LF239, LF240, LF276, LF361, LF6, LF35, LF18, LF33, LF37, LF25, LF62, LF88, LF206, LF208, LF89, LF93, LF94, LF98, LF99, LF209, LF210, LF212, LF216, LF218, LF352, LF366, LF175, LF367, LF198, LF330, LF331, FH35, FH414, LF1030, LF192, LF193, LF195
CH - Preferred	FH28, FH447, FH448, FH50, FH513, FH52, FH53, FH463, FH464, FH465, FH49, FH523, FH69, FH70, FH71, FH72, FH461, FH467, FH469, FH470, FH471, FH472, FH473, FH474, FH492, FH132, FH475, FH398, FH399, FH401, FH164, FH165, FH166, FH173, FH174, FH485, FH486, FH524, FH487, FH525, FH488, FH246, FH256, FH257, FH264, FH377, FH449, FH451, HM141
HM - Preferred	FH298, FH479, FH480, FH302, FH381, FH382, FH342, FH343, HM133, HM204, HM30, HM31, HM32, MP1015, HM108, HM111, HM114, HM158, HM160, HM167, HM168, HM172, HM194, HM207, HM118, HM174, MP267
MP - Preferred	MP1018, MP1019, MP1020, MP1035, MP224, MP236, MP237, MP238, MP286, MP279, MP258, MP259, MP172, MP282, MP119, MP239, MP241, MP168, MP173, MP280, MP281, MP151, MP261, MP150, MP243, MP245, MP266, MP293, MP294
BL - Alternate	BL291, BL69, BL12, BL13, BL14, BL15, BL16, BL17, BL264, BL265, BL281, BL358, BL250, BL245, BL360, BL361, BL72, BL73, BL150, BL151, BL327, BL351, BL1010, BL1011, BL1012, BL1013, BL154, BL171, BL172, BL174, BL227, BL370, BL225, BL226, BL294, BL292, BL293, BL328, BL356
LV - Alternate	LF239, LF240, LC12, LC13, LC135, LC5, LC6, LC7, LF1, LC100, LC101, LC102, LC103, LC108, LC115, LC116, LC117, LC14, LC98, LC123, LC124, LC125, LC53, LC54, LC56, LC57, LC68, LC88, CV5, LC85, CV2
LC - Alternate	LF239, LF240, LF276, LF328, LF8, LF9, LF10, LF26, LF27, LF334, LF7, LF20, LF36, LF302, LF307, LF41, LF42, LF53, LF54, LF1010, LF1025, LF1035, LF341, LF69, LF74, LF1022, LF1023, LF258, FH484, LF1000, LF1001, LF1002, LF1011, LF1012, LF1034, LF116, LF117, LF136, LF137, LF138, LF282, LF285, LF360, LF368
FC - Alternate	FH10, FH11, FH2, FH20, FH21, FH3, FH38, FH39, FH8, FH9, FH82, FH83, FH493, FH89, FH90, FH97, FH102, FH103, FH497, FH498, FH500, FH501, FH502, FH503, FH504, FH98, FH99, FH1003, FH1004, FH1005, FH1006, FH193, FH194, FH195, FH196, FH197, FH200, FH201, FH202, FH203, FH204, FH205, FH213, FH214, FH320, FH322, FH323, FH324, FH326, FH327, FH328, FH490, FH515, FH516, FH506, FH507, FH508, FH509, FH302, FH381, FH382, FH375
HM - Alternate	FH376, HM129, HM148, HM154, HM202, HM203, HM57, HM58, HM59, HM61, HM62, HM75, HM76, HM79, HM81, HM85, HM86, HM87, HM88, HM91, HM92, MP51, MP52, MP38, MP39, MP47, MP50, MP20, MP21, MP6, HM178, HM130, MP267
MP - Alternate	MP1018, MP1019, MP1020, MP1035, MP1016, MP1017, MP271, MP30, MP1000, MP35, MP36, MP1036, MP109, MP111, MP113, MP181, MP182, MP300, MP301, MP191, MP192, MP193, MP215, MP194, MP195, MP204, MP210, MP211, MP221, MP296, MP168, MP173

Assumptions
1. The Applicants are requesting a 150 foot wide Right-of-Way (ROW); 75 ft on either side of pole. Additional ROW may be required in special situations.
2. ROW acres were calculated based on a width of 150 feet multiplied by the length of the route centerline.
3. Prime Farmland numbers were compiled using the USDA County Soil Survey Geographic (SSURGO) Data for all counties.
4. Land cover numbers were compiled using the U.S. Geological Survey's Gap Analysis Program (GAP) Data .

Section	Right-of-Way (ROW) Acres[1&2]	Wetlands										PWI and Shallow Lakes									
		Total wetlands within the ROW (Acres)[3]	Number of Wetlands Crossed	Percent of the ROW that Crosses Wetlands	Forested wetlands in ROW (Acres)	Number of Forested Wetlands Crossed	Percent of the ROW that Crosses Forested wetlands	Number of Wetlands Over 1000ft Crossed	Lengths (ft) of wetlands over 1000 ft that are crossed by ROW	Number of Poles in Wetlands[5]	Temporary Wetland Impacts (Acres)	Number of Streams and Rivers crossed by Route Centerline[4]	Number of PWI Streams Crossed by Route CL[4]	Number of PWI Lakes within Route (1000 ftwide)[4]	Number of PWI Wetlands within Route	Number of PWI Lakes within ROW	Number of PWI Wetlands within ROW	Number of PWI over 1000ft Crossed	Length (ft) of PWI over 1000ft that are crossed by the ROW	Number of Shallow Lakes within Route[6]	Number of Shallow Lakes within 1 mile
BL - Preferred	876	4.6	28	0.5%	0.6	4.0	0.1%	0		0	0.3	45	13	0	0	0	0	0		0	4
LV - Preferred	537	5.9	16	1.1%	0.0	0.0	0.0%	0		0	0.8	15	7	0	0	0	0	0		0	1
LC - Preferred	943	11.3	26	1.2%	0.3	1.0	0.0%	0		0	1.1	15	8	1	0	1	1	0		2	7
CH - Preferred	1130	11.0	20	1.0%	0.3	3.0	0.0%	0		0	1.1	44	16	1	1	1	0	0		0	7
HM - Preferred	486	37.9	57	7.8%	0.4	4.0	0.1%	3	1192, 1167, 2157	4	4.9	19	12	1	1	0	1	0		0	6
MP - Preferred	338	33.7	43	10.0%	4.2	11.0	1.3%	3	1031, 1256, 1765	4	4.6	20	4	0	2	0	2	0		0	1
Preferred Total	4309	104.5	190	2.4%	6	23.0	0.1%	6		8	12.9	158	60	3	4	2	4	0		2	26
BL - Alternate	874	8.5	36	1.0%	1.8	2.0	0.2%	0		0	0.9	37	10	0	0	0	0	0		0	4
LV - Alternate	605	18.9	26	3.1%	2.4	4.0	0.4%	1	1349	1	2.6	20	9	1	1	1	1	0		1	3
LC - Alternate	958	4.0	12	0.4%	0.3	1.0	0.0%	0		0	0.5	28	11	0	0	0	0	0		0	1
CH - Alternate	1341	57.4	83	4.3%	4.0	9.0	0.3%	4	1571, 1144, 2416, 2190	7	5.9	57	25	1	1	0	1	0		0	10
HM - Alternate	550	36.0	56	6.5%	0.2	1.0	0.0%	2	1169, 1715, 1762	5	4.1	22	9	1	3	0	3	1	1035	2	6
MP - Alternate	436	28.9	27	6.6%	1.9	4.0	0.4%	1	5926	6	3.5	26	3	0	2	0	2	0		1	2
Alternate Total	4763	154	240	3.2%	11	21.0	0.2%	8		19	17.5	190	67	3	7	1	7	1		4	26

Segment	
BL - Preferred	BL50, BL1003, BL1004, BL1005, BL1008, BL296, BL339, BL98, BL104, BL280, BL182, BL183, BL184, BL185, BL186, BL188, BL315, BL350, BL189, BL214, BL212, BL215, BL220, BL221, BL273, BL297, BL331, BL332, BL53, BL356, BL109, BL110, BL175, BL176, BL177, BL178, BL179, BL310, BL373, BL374, BL180, BL181
LV - Preferred	BL223. LC11. LC8. LC95. LC143. LC18. LC19. LC22. LC28. LC29. LC39. LC127. LC40. LC47. LC49. LC58. LC60. LC67. LC87. LC89. CV3. CV4. CV2
LC - Preferred	LF239, LF240, LF276, LF361, LF6, LF35, LF18, LF33, LF37, LF25, LF62, LF88, LF206, LF208, LF89, LF93, LF94, LF98, LF99, LF209, LF210, LF212, LF216, LF218, LF352, LF366, LF175, LF367, LF198, LF330, LF331, FH35, FH414, LF1030, LF192, LF193, LF195
FC - Preferred	FH28, FH447, FH448, FH50, FH513, FH52, FH53, FH463, FH464, FH465, FH49, FH523, FH69, FH70, FH71, FH72, FH461, FH467, FH469, FH470, FH471, FH472, FH473, FH474, FH492, FH132, FH475, FH398, FH399, FH401, FH164, FH165, FH166, FH173, FH174, FH485, FH486, FH524, FH487, FH525, FH488, FH246, FH256, FH257, FH264, FH377, FH449, FH451, HM141
HM - Preferred	FH298, FH479, FH480, FH302, FH381, FH382, FH342, FH343, HM133, HM204, HM30, HM31, HM32, MP1015, HM108, HM111, HM114, HM158, HM160, HM167, HM168, HM172, HM194, HM207, HM118, HM174, MP267
MP - Preferred	MP1018, MP1019, MP1020, MP1035, MP224, MP236, MP237, MP238, MP286, MP279, MP258, MP259, MP172, MP282, MP119, MP239, MP241, MP168, MP173, MP280, MP281, MP151, MP261, MP150, MP243, MP245, MP266, MP293, MP294
BL - Alternate	BL291, BL69, BL12, BL13, BL14, BL15, BL16, BL17, BL264, BL265, BL281, BL358, BL250, BL245, BL360, BL361, BL72, BL73, BL150, BL151, BL327, BL351, BL1010, BL1011, BL1012, BL1013, BL154, BL171, BL172, BL174, BL227, BL370, BL225, BL226, BL294, BL292. BL293. BL328. BL356
LV - Alternate	LF239. LF240. LC12. LC13. LC135. LC5. LC6. LC7. LF1. LC100. LC101. LC102. LC103. LC108. LC115. LC116. LC117. LC14. LC98. LC123. LC124. LC125. LC53. LC54. LC56. LC57. LC68. LC88. CV5. LC85. CV2
LC - Alternate	LF239, LF240, LF276, LF328, LF8, LF9, LF10, LF26, LF27, LF334, LF7, LF20, LF36, LF302, LF307, LF41, LF42, LF53, LF54, LF1010, LF1025, LF1035, LF341, LF69, LF74, LF1022, LF1023, LF258, FH484, LF1000, LF1001, LF1002, LF1011, LF1012, LF1034, LF116, LF117, LF136, LF137, LF138, LF282, LF285, LF360, LF368
CH - Alternate	FH10, FH11, FH2, FH20, FH21, FH3, FH38, FH39, FH8, FH9, FH82, FH83, FH493, FH89, FH90, FH97, FH102, FH103, FH497, FH498, FH500, FH501, FH502, FH503, FH504, FH98, FH99, FH1003, FH1004, FH1005, FH1006, FH193, FH194, FH195, FH196, FH197, FH200, FH201, FH202, FH203, FH204, FH205, FH213, FH214, FH320, FH322, FH323, FH324, FH326, FH327, FH328, FH490, FH515, FH516, FH506, FH507, FH508, FH509, FH302, FH381, FH382, FH375
HM - Alternate	FH376, HM129, HM148, HM154, HM202, HM203, HM57, HM58, HM59, HM61, HM62, HM75, HM76, HM79, HM81, HM85, HM86, HM87, HM88, HM91, HM92, MP51, MP52, MP38, MP39, MP47, MP50, MP20, MP21, MP6, HM178, HM130, MP267
MP - Alternate	MP1018, MP1019, MP1020, MP1035, MP1016, MP1017, MP271, MP30, MP1000, MP35, MP36, MP1036, MP109, MP111, MP113, MP181, MP182, MP300, MP301, MP191, MP192, MP193, MP215, MP194, MP195, MP204, MP210, MP211, MP221, MP296, MP168, MP173

Assumptions
1. The Applicants are requesting a 150 foot wide Right-of-Way (ROW); 75 ft on either side of pole. Additional ROW may be required in special situations.
2. ROW acres were calculated based on a width of 150 feet multiplied by the length of the route centerline.
3. Wetland numbers were compiled using the NWI maps and provide an estimate of the number of wetlands likely present along the route. These numbers do not necessarily represent the number of wetland impacts subject to state and federal wetland regulations.
4. Streams crossing were compiled using MN DNR 24k streams. PWI streams were identified in the MN DNR dataset. PWI waters were identified using the MN DNR PWI maps.
5. Number of poles was determined using the average span between poles, which was divided into the length of Wetland, or WMA span. Average span for a 345 kV poles is 1000ft. This number is conservately rounded by the hundred foot digit.
6. Route segments include areas up to 1.25 mile wide to accommodate placement.

Section	Right-of-Way (ROW) Acres[1& 2]	Environmental																
		Number of MCBS Biodiversity sites crossed[10]	Number of Metro Significant Resource Areas	Number of WMAs in Route[6]	Number of WMAs within 1 mile	Number of WMAs in ROW	WMA Temporary Impacts (Acres)	Lengths (ft) of WMA over 1000 ft that are crossed by ROW	Number of Poles in WMAs	Number of SNA within 1 mile[6]	Number of WPA within 1 mile[9]	State Park within 1 mile[6]	USFWS Lands and Easements within 1 mile	T & E Species within Route[7]	T & E Species within 1 Mile of Route	Number of Archaeological sites within 1 mile[8]	Number of Historical sites within 1 mile[8]	Number of Snowmobile Trails
BL - Preferred	876	3	0	0	5	0	0.0		0	0	0	0	2	2	7	4	14	2
LV - Preferred	537	3	0	1	3	1	1.2	2599	3	1	0	0	7	5	27	41	112	0
LC - Preferred	943	7	0	2	3	2	1.0	2163	2	0	0	0	0	4	7	3	7	2
CH - Preferred	1130	3	0	0	5	0	0.0		0	0	0	0	0	3	27	14	42	3
HM - Preferred	486	0	2	1	4	1	0.0		0	0	0	0	0	0	3	2	10	3
MP - Preferred	338	1	1	0	0	0	0.0		0	0	0	0	0	0	11	4	19	2
Preferred Total	4309	17	3	4	20	4	2.2		5	1	0	0	9	14	82	68	204	12
BL - Alternate	874	12	0	4	9	4	2.0	2662, 1664	5	0	1	0	4	3	8	17	4	2
LV - Alternate	605	3	0	1	1	1	0.0		0	1	0	0	9	6	41	40	111	2
LC - Alternate	958	5	0	1	5	1	1.2	2606	3	0	0	0	0	8	39	18	24	2
CH - Alternate	1341	1	0	2	8	2	0.6			0	1	0	2	1	6	12	14	4
HM - Alternate	550	0	1	0	1	0	0.0		0	0	0	0	0	0	8	9	24	3
MP - Alternate	436	2	3	1	1	1	0.6	1316	1	0	0	0	0	2	32	14	22	3
Alternate Total	4763	23	4	9	25	9	4.4		9	1	2	0	15	20	134	110	199	16

Segment	
BL - Preferred	BL50, BL1003, BL1004, BL1005, BL1008, BL296, BL339, BL98, BL104, BL280, BL182, BL183, BL184, BL185, BL186, BL188, BL315, BL350, BL189, BL214, BL212, BL215, BL220, BL221, BL273, BL297, BL331, BL332, BL53, BL356, BL109, BL110, BL175, BL176, BL177, BL178, BL179, BL310, BL373, BL374, BL180, BL181
LV - Preferred	BL223, LC11, LC8, LC95, LC143, LC18, LC19, LC22, LC28, LC29, LC39, LC127, LC40, LC47, LC49, LC58, LC60, LC67, LC87, LC89, CV3, CV4, CV2
LC - Preferred	LF239, LF240, LF276, LF361, LF6, LF35, LF18, LF33, LF37, LF25, LF62, LF88, LF206, LF208, LF89, LF93, LF94, LF98, LF99, LF209, LF210, LF212, LF216, LF218, LF352, LF366, LF175, LF367, LF198, LF330, LF331, FH35, FH414, LF1030, LF192, LF193, LF195
FC - Preferred	FH28, FH447, FH448, FH50, FH513, FH52, FH53, FH463, FH464, FH465, FH49, FH523, FH69, FH70, FH71, FH72, FH461, FH467, FH469, FH470, FH471, FH472, FH473, FH474, FH492, FH132, FH475, FH398, FH399, FH401, FH164, FH165, FH166, FH173, FH174, FH485, FH486, FH524, FH487, FH525, FH488, FH246, FH256, FH257, FH264, FH377, FH449, FH451, HM141
HM - Preferred	FH298, FH479, FH480, FH302, FH381, FH382, FH342, FH343, HM133, HM204, HM30, HM31, HM32, MP1015, HM108, HM111, HM114, HM158, HM160, HM167, HM168, HM172, HM194, HM207, HM118, HM174, MP267
MP - Preferred	MP1018, MP1019, MP1020, MP1035, MP224, MP236, MP237, MP238, MP286, MP279, MP258, MP259, MP172, MP282, MP119, MP239, MP241, MP168, MP173, MP280, MP281, MP151, MP261, MP150, MP243, MP245, MP266, MP293, MP294
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LV - Alternate	LF239, LF240, LC12, LC13, LC135, LC5, LC6, LC7, LF1, LC100, LC101, LC102, LC103, LC108, LC115, LC116, LC117, LC14, LC98, LC123, LC124, LC125, LC53, LC54, LC56, LC57, LC68, LC88, CV5, LC85, CV2
LC - Alternate	LF239, LF240, LF276, LF328, LF8, LF9, LF10, LF26, LF27, LF334, LF7, LF20, LF36, LF302, LF307, LF41, LF42, LF53, LF54, LF1010, LF1025, LF1035, LF341, LF69, LF74, LF1022, LF1023, LF258, FH484, LF1000, LF1001, LF1002, LF1011, LF1012, LF1034, LF116, LF117, LF136, LF137, LF138, LF282, LF285, LF360, LF368
CH - Alternate	FH10, FH11, FH2, FH20, FH21, FH3, FH38, FH39, FH8, FH9, FH82, FH83, FH493, FH89, FH90, FH97, FH102, FH103, FH497, FH498, FH500, FH501, FH502, FH503, FH504, FH98, FH99, FH1003, FH1004, FH1005, FH1006, FH193, FH194, FH195, FH196, FH197, FH200, FH201, FH202, FH203, FH204, FH205, FH213, FH214, FH320, FH322, FH323, FH324, FH326, FH327, FH328, FH490, FH515, FH516, FH506, FH507, FH508, FH509, FH302, FH381, FH382,
HM - Alternate	FH376, HM129, HM148, HM154, HM202, HM203, HM57, HM58, HM59, HM61, HM62, HM75, HM76, HM79, HM81, HM85, HM86, HM87, HM88, HM91, HM92, MP51, MP52, MP38, MP39, MP47, MP50, MP20, MP21, MP6, HM178, HM130, MP267
MP - Alternate	MP1018, MP1019, MP1020, MP1035, MP1016, MP1017, MP271, MP30, MP1000, MP35, MP36, MP1036, MP109, MP111, MP113, MP181, MP182, MP300, MP301, MP191, MP192, MP193, MP215, MP194, MP195, MP204, MP210, MP211, MP221, MP296, MP168, MP173

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3. Wetland numbers were compiled using the NWI maps and provide an estimate of the number of wetlands likely present along the route. These numbers do not necessarily represent the number of wetland impacts subject to state and federal wetland regulations.
4. Streams crossing were compiled using MN DNR 24k streams. PWI streams were identified in the MN DNR dataset. PWI waters were identified using the MN DNR PWI maps.
5. Number of poles was determined using the average span between poles, which was divided into the length of Wetland, or WMA span. Average span for a 345 kV poles is 1000ft. This number is conservately rounded by the hundred foot digit.
6. Scientific and Natural Areas, Wildlife Management Areas, State Parks, Snowmobile Trails and Biodiversity Areas were acquired from the Minnesota DNR Data Deli
7. Rare and Threatened and Endangered species and Natural Communities were identified using data licensed from the MN DNR for this project.
8. Cultural resource data was obtained from the MN State Historic Preservation Office.
9. Waterfowl Production Areas were acquired from area USFWS management districts.
10. USFWS Lands and easements were obtained from the USFWS district offices.
11. Includes Medium, High, and Outstanding sites only. MCBS Biodiversity site information has only preliminary data for Lincoln County and Lyon County.

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