

**CapX Fargo to St. Cloud 345 kV Transmission Line Project
Advisory Task Force (ATF)**

Comparison of Route Segment Alternatives Identified by Advisory Task Force and Comparable Route Segments Proposed by Applicant

			Comparison A		Comparison B		Comparison C		Comparison D		Comparison E	
			Group 1 - Alternative 1 ¹	Preferred Route Comparison Segment of Group 1 - Alternative 1	Group 1 - Alternative 2	Alternate Route A Comparison Segment of Group 1 - Alternative 2	Group 2 - Alternative 1	Preferred Route Segment Alternative 1 Comparison Segment of Group 2 - Alternative 1	Group 2 - Alternative 2	Alternate Route A Comparison Segment of Group 2 - Alternative 2	Group 3 - Alternative 1	Preferred Route Segment Alternative 1 Comparison Segment of Group 3 - Alternative 1
			ATF	Applicants	ATF	Applicants	ATF	Applicants	ATF	Applicants	ATF	Applicants
	Route Length	(miles)	27	37	17	18	30	25	7	6	17	17
	Route Area	(acres)	3,313	4,494	2,102	2,173	3,643	3,049	909	715	2,083	2,008
	Length of Route Paralleling	(miles)	27	22	17	8	30	19	4	5	14	14
	Existing Rights-of-Way ²											
	Percent of Route Paralleling Existing Rights-of-Way ²	(percent of length)	98%	58%	96%	44%	99%	74%	57%	89%	85%	85%
Residences and Non-Residential Buildings	Residences	(count)	189	75	98	23	189	60	13	7	40	29
	Residences per Mile	(count)	7.0	2.0	5.8	1.3	6.3	2.4	0.5	1.2	2.4	1.7
	Non-Residential Buildings	(count)	205	164	131	70	247	128	51	36	122	91
	Non-Residential Buildings per Mile	(count)	7.6	4.4	7.2	3.9	8.2	5.1	7.3	6.0	7.2	5.4
Agricultural	Agricultural Land Use / Zoning	(acres)	2,525	4,278	1,972	2,013	2,361	2,857	767	715	2,079	1,914
		(percent of area)	76%	95%	94%	93%	65%	94%	84%	100%	100%	95%
	Center Pivot Irrigation Systems	(count)	-	3	-	3	5	6	1	-	-	-
Environmental	Floodplain (100-year)	(acres)	37	116	37	116	181	30	53	-	14	-
		(percent of area)	1%	3%	2%	5%	5%	1%	6%	0%	1%	0%
	Lakes	(acres)	28	50	18	21	45	49	4	1	0	38
		(percent of area)	1%	1%	1%	1%	1%	2%	0%	0%	0%	2%
	MDNR Right-of-Way Prairies	(count)	-	-	-	-	-	-	-	-	-	-
	MCBS Site of Biodiversity	(acres)	16	128	90	128	96	61	-	-	50	-
	Significance	(percent of area)	0%	3%	4%	6%	3%	2%	0%	0%	2%	0%
	MDNR Prairie Bank Easements	(acres)	-	-	-	-	-	-	-	-	-	-
		(percent of area)	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
	Minnesota Land Trust Easements	(acres)	-	-	30	1	-	-	-	-	-	-
		(percent of area)	0%	0%	1%	0%	0%	0%	0%	0%	0%	0%
	Native Plant Communities	(acres)	15	35	46	35	9	37	-	-	19	-
		(percent of area)	0%	1%	2%	2%	0%	1%	0%	0%	1%	0%
	NWI Wetlands	(acres)	372	726	261	436	336	566	185	147	203	370
		(percent of area)	11%	16%	12%	20%	9%	19%	20%	21%	10%	18%
	Restorable Wetlands	(acres)	245	658	120	458	336	475	69	35	367	335
		(percent of area)	7%	15%	6%	21%	9%	16%	8%	5%	18%	17%
	State Trail Crossings	(count)	-	-	-	-	1	-	-	-	-	-
	State Listed Species Occurrences	(count)	-	1	-	1	3	-	-	-	1	-
	State Wildlife Management Area	(acres)	-	-	-	-	-	16	-	-	-	16
	(percent of area)	0%	0%	0%	0%	0%	1%	0%	0%	0%	1%	
Stream Crossings	(count)	25	12	13	12	25	24	7	7	18	17	
USDA Conservation Reserve Program Land	(acres)	91	110	66	74	31	129	5	-	58	85	
	(percent of area)	3%	2%	3%	3%	1%	4%	1%	0%	3%	4%	
USFWS Easements	(acres)	-	-	29	-	-	-	-	-	-	-	
	(percent of area)	0%	0%	1%	0%	0%	0%	0%	0%	0%	0%	
Wooded Areas	(acres)	261	476	297	318	303	348	87	66	82	138	
	(percent of area)	8%	11%	14%	15%	8%	11%	10%	9%	4%	7%	

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			Comparison A		Comparison B		Comparison C		Comparison D		Comparison E		
			Group 1 - Alternative 1 ¹	Preferred Route Comparison Segment of Group 1 - Alternative 1	Group 1 - Alternative 2	Alternate Route A Comparison Segment of Group 1 - Alternative 2	Group 2 - Alternative 1	Preferred Route Segment Alternative 1 Comparison Segment of Group 2 - Alternative 1	Group 2 - Alternative 2	Alternate Route A Comparison Segment of Group 2 - Alternative 2	Group 3 - Alternative 1	Preferred Route Segment Alternative 1 Comparison Segment of Group 3 - Alternative 1	
			ATF	Applicants	ATF	Applicants	ATF	Applicants	ATF	Applicants	ATF	Applicants	
Other	Aggregate Source	(count)	3	-	-	-	2	-	2	-	-	-	
	FCC Antenna Structures	(count)	1	2	-	-	-	-	-	-	-	-	
	Daycares	(count)	2	-	3	-	9	-	1	-	-	-	
	Landfills / Dumps	(count)	-	-	-	-	4	-	-	-	-	-	
	Hospitals	(count)	-	-	-	-	-	-	1	-	-	-	
	Population Center	(acres)	552	47	42	-	698	35	155	-	-	-	35
		(percent of area)	17%	1%	2%	0%	19%	1%	17%	0%	-	0%	2%
	Recreational / Open Space / Park Zoning / Land Use	(acres)	66	56	27	-	153	34	4	-	-	4	44
		(percent of area)	2%	1%	1%	0%	4%	1%	0%	0%	-	0%	2%
	Residential Zoning / Land Use	(acres)	208	0	34	0	241	32	26	-	-	-	17
(percent of area)		6%	0%	2%	0%	7%	1%	3%	0%	-	0%	1%	
Cultural Resources	Archaeological Sites	(count)	-	-	-	1	8	1	-	-	-	1	
	Historical Sites	(count)	5	12	1	-	5	-	-	-	-	-	
	National Register of Historic Places Sites	(count)	1	1	-	-	3	-	-	-	-	-	

Note:

1. Route Alternative 1 as identified by Group 1 of the ATF includes 13 miles of undergrounding. To be consistent with the other route options, the standard 1,000-ft. route width was maintained for comparison purposes. Additionally, the underground segments have not been reviewed for specific environmental impacts associated with undergrounding, constructability, or feasibility.
2. The Lake Wobegon Trail is included as an existing right-of-way for the purposes of this analysis.
3. Presence of a feature within a route only indicates the potential for impact to the feature. Actual impacts to the feature cannot be determined until an alignment is identified and final engineering is performed.
4. Only those features that occur within at least one route, either Applicant or ATF, are shown in this table.
5. Both Applicant proposed and ATF identified routes are 1,000 feet in width for the purposes of this analysis.

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Comparison of Route Segment Alternatives Identified by Advisory Task Force and Comparable Route Segments Proposed by Applicant

			Comparison F		Comparison G	
			Group 3 - Alternative 2	Preferred Route Comparison Segment of Group 3 - Alternative 2	Group 4 - Alternative 1	Preferred Route Comparison Segment of Group 4 - Alternative 1
			ATF	Applicants	ATF	Applicants
	Route Length	(miles)	39	39	15	23
	Route Area	(acres)	4,734	4,763	1,825	2,743
	Length of Route Paralleling	(miles)	39	24	14	10
	Existing Rights-of-Way ²					
	Percent of Route Paralleling Existing Rights-of-Way ²	(percent of length)	99%	60%	95%	46%
Residences and Non-Residential Buildings	Residences	(count)	355	76	30	39
	Residences per Mile	(count)	9.1	1.9	2.0	0.6
	Non-Residential Buildings	(count)	447	173	53	100
	Non-Residential Buildings per Mile	(count)	11.5	4.4	3.5	4.3
Agricultural	Agricultural Land Use / Zoning	(acres)	3,176	4,547	1,549	2,565
		(percent of area)	67%	95%	85%	93%
	Center Pivot Irrigation Systems	(count)	13	3	-	3
Environmental	Floodplain (100-year)	(acres)	229	116	37	116
		(percent of area)	5%	2%	2%	4%
	Lakes	(acres)	51	53	23	29
		(percent of area)	1%	1%	1%	1%
	MDNR Right-of-Way Prairies	(count)	-	-	-	-
	MCBS Site of Biodiversity	(acres)	115	128	57	128
	Significance	(percent of area)	2%	3%	3%	5%
	MDNR Prairie Bank Easements	(acres)	-	-	-	-
		(percent of area)	0%	0%	0%	0%
	Minnesota Land Trust Easements	(acres)	-	-	-	-
		(percent of area)	0%	0%	0%	0%
	Native Plant Communities	(acres)	9	35	29	35
		(percent of area)	0%	1%	2%	1%
	NWI Wetlands	(acres)	401	753	257	500
		(percent of area)	8%	16%	14%	18%
	Restorable Wetlands	(acres)	361	673	149	467
		(percent of area)	8%	14%	8%	17%
	State Trail Crossings	(count)	1	-	-	-
	State Listed Species Occurrences	(count)	3	1	1	1
	State Wildlife Management Area	(acres)	54	-	-	-
		(percent of area)	1%	0%	0%	0%
	Stream Crossings	(count)	40	31	11	15
USDA Conservation Reserve Program Land	(acres)	56	110	25	77	
	(percent of area)	1%	2%	1%	3%	
USFWS Easements	(acres)	11	-	-	-	
	(percent of area)	0%	0%	0%	0%	
Wooded Areas	(acres)	351	478	286	382	
	(percent of area)	7%	10%	16%	14%	

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			ATF	Applicants	ATF	Applicants
Other	Aggregate Source	(count)	2	-	-	-
	FCC Antenna Structures	(count)	-	2	-	-
	Daycares	(count)	13	-	1	-
	Landfills / Dumps	(count)	4	-	-	-
	Hospitals	(count)	1	-	-	-
	Population Center	(acres)	927	47	31	-
		(percent of area)	20%	1%	2%	0%
	Recreational / Open Space / Park Zoning / Land Use	(acres)	160	56	29	19
		(percent of area)	3%	1%	2%	1%
	Residential Zoning / Land Use	(acres)	312	0	26	0
(percent of area)		7%	0%	1%	0%	
Cultural Resources	Archaeological Sites	(count)	3	-	-	-
	Historical Sites	(count)	16	12	-	-
	National Register of Historic Places Sites	(count)	3	1	-	-

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