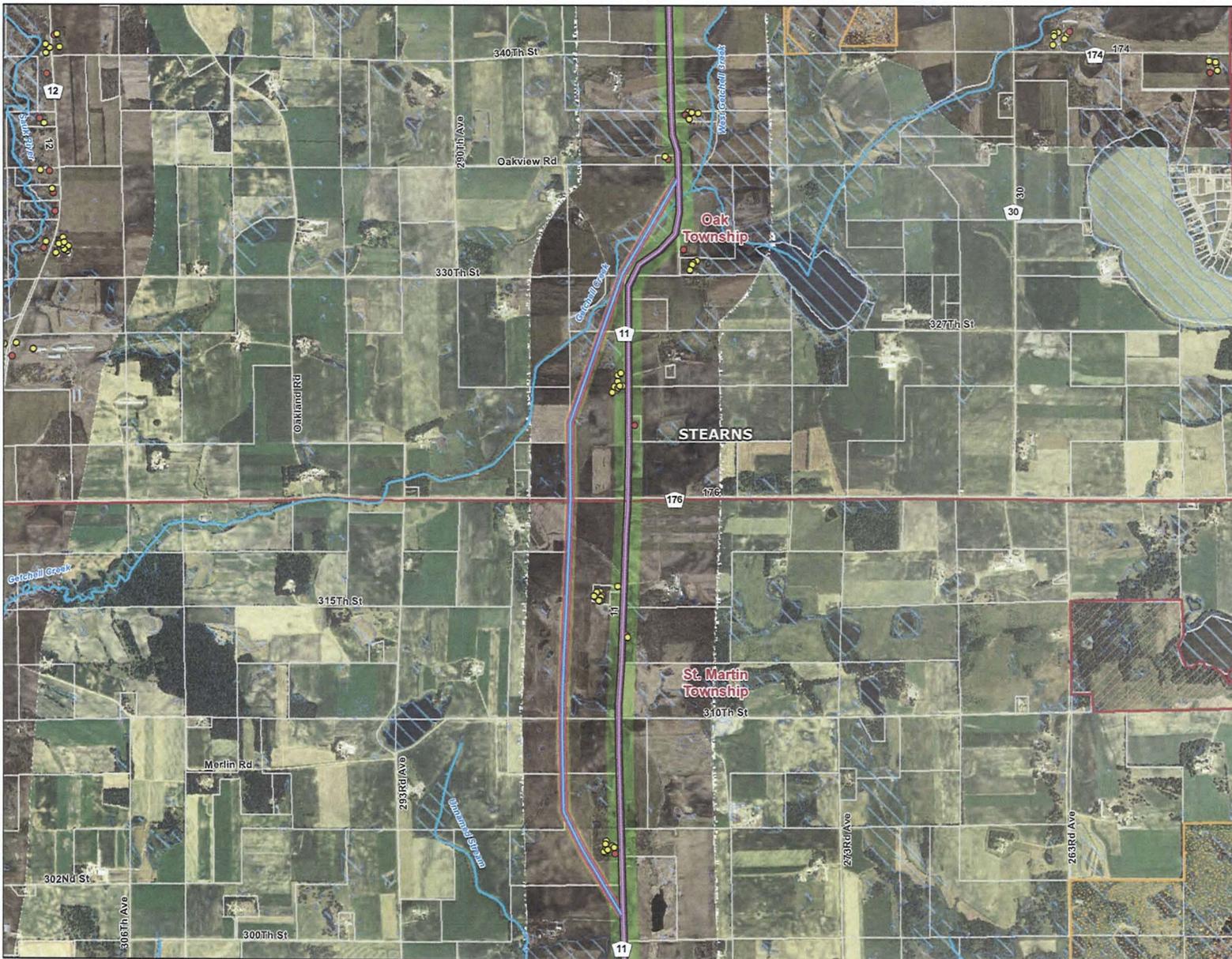
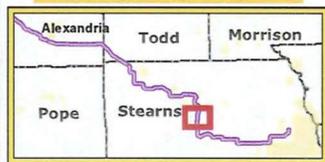


# ADJUSTMENT 5



# CapX2020

Delivering electricity you can rely on

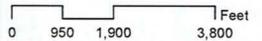


## Legend

- Anticipated Alignment
- Anticipated Right-of-Way
- MN Permitted Route
- Adjusted Alignment
- Adjusted Right-of-Way
- Adjusted Route
- Residence
- Non-residential Structure
- PWI Stream
- NWI Wetland
- Waterfowl Production Area
- USFWS Wetland Easement
- Wildlife Management Area
- MnDOT Scenic Easement
- Center Pivot Irrigation
- Municipal Boundary
- Township Boundary
- Parcel Boundary



1:27,000



## Fargo to St. Cloud 345 kV Transmission Line Project Route Adjustment 5

DATE: 09/13/11

DRAWN BY: MLTEICHERT

Xcell0122255 CapX Monticello to Fargo)  
 GIS\Fargo\MXD\201107\ReRoutes1  
 CapX\_Preview\_Maps.mxd

## **ROUTE ADJUSTMENT 5 COMPARISON SUMMARY**

Route Adjustment 5 would be longer than Permittees' previously proposed alignment (approximately four miles vs. three miles) and would encompass more acreage within its associated right-of-way (64 acres vs. 63 acres). Route Adjustment 5 would be located within 500 feet of a fewer number of existing residences (one residential structure vs. seven residential structures within 500 feet of Permittees' previously proposed alignment). Route Adjustment 5 would parallel less existing right-of-way than Permittees' previously proposed alignment (zero percent vs. 100 percent), and would require two more angle structures.

Route Adjustment 5 would cross a similar number of waterways (four waterways). Both routes would be located at a distance greater than five miles from an airport (seven miles).

ALEXANDRIA TO QUARRY ROUTE ADJUSTMENT 5 COMPARISON			
WETLAND AND WATER RESOURCES WITHIN THE RIGHT-OF-WAY			
		ROUTE ADJUSTMENT 5	COMPARABLE PORTION OF CURRENT PROPOSED ALIGNMENT TO ROUTE ADJUSTMENT 5
	Length of Route (miles)	4	3
	Number of Acres	71	69
	Acres NWI Wetlands within ROW	10	6
	Percent of ROW - NWI Wetlands	14%	9%
	Number of NWI Wetlands within ROW	10	9
	Acres of NWI Freshwater Emergent Wetlands within ROW	10	6
	Percent of ROW - NWI Freshwater Emergent Wetlands	14%	9%
	Acres of NWI Freshwater Forested/Shrub Wetlands within ROW	0	0
	Percent of ROW - NWI Freshwater Forested/Shrub Wetlands	0%	0%
	Acres of NWI Freshwater Pond Wetlands within ROW	0	0
	Percent of ROW - Freshwater Pond Wetlands	0%	0%
	Acres of NWI Lake within ROW	0	0
	Percent of ROW - NWI Lakes	0%	0%
	Acres of NWI Riverine within ROW	0	0
	Percent of ROW - NWI Riverine Wetlands	0%	0%
	Estimated Number of Poles in NWI Wetlands*	5	3
	Acres of Temporary NWI Wetland Impacts (1-Acre/Pole)	5	3
	Sq. Feet of Permanent NWI Wetland Impacts (55-Sq. Feet/Pole)	275	165
	Acres of Permanent NWI Wetland Impacts	0	0
	Number of Intermittent Stream, Drainage, or Waterway Crossings within ROW	2	3
	Number of PWI Intermittent Stream, Drainage, or Waterway Crossings within ROW	0	0
	Number of Perennial Stream, Drainage, or Waterway Crossings within ROW	2	1
	Number of PWI Perennial Stream, Drainage, or Waterway Crossings within ROW	3	1
	Number of Other Stream, Drainage, or Waterway Crossings within ROW	0	0
	Number of Other PWI Stream, Waterway, or Drainage Crossings within ROW	0	0
	Number of PWI Lake and Wetland Crossings within ROW	0	0
	Acres of PWI Lakes and Wetlands within ROW	0	0
	Percent of ROW - PWI Wetlands	0%	0%
	Estimated Number of Poles in PWI Wetlands*	0	0
	Acres of Temporary PWI Wetland Impacts (1-Acre/Pole)	0	0
	Sq. Feet of Permanent PWI Wetland Impacts (55-Sq. Feet/Pole)	0	0
	Acres of Permanent PWI Wetland Impacts	0	0
	Acres of (100-year) Floodplain within ROW	0	0
	Percent of ROW - 100-Year Floodplain	0%	0%
	Estimated Number of Poles in 100-Year Floodplain*	0	0
	Acres of Temporary 100-Year Floodplain Impacts (1-Acre/Pole)	0	0
	Sq. Feet of Permanent 100-Year Floodplain Impacts (55-Sq. Feet/Pole)	0	0
	Acres of Permanent 100-Year Floodplain Impacts	0	0
	Acres of Restorable Wetlands within ROW	16	10
	Percent of ROW - Restorable Wetlands	23%	14%
	Number of Water Wells within ROW	0	0
LAND USE AND OTHER ENVIRONMENTAL RESOURCES WITHIN THE RIGHT-OF-WAY			
General	Length of Route (miles)	4	3
	Length Paralleling Existing ROWs (miles)	0	3
	Percent of Route Paralleling Existing ROWs	0%	100%
	Length Paralleling Existing Linear Features (miles)	2	3
	Percent Paralleling Existing Linear Features	50%	100%
	Number of Acres in Representative 150-Foot ROW	64	63
Agricultural Land Use	Acres of Agricultural Land Use within ROW	70	69
	Percent of ROW - Agricultural Land	100%	100%
	Acres of Special Protection Agricultural Land Use within ROW	0	0
	Percent of ROW - Special Protection Agricultural Land	0%	0%
	Estimated Number of Poles in Agricultural Land*	21	26
	Acres of Temporary Agricultural Land Impacts (1-Acre/Pole)	21	26
	Sq. Feet of Permanent Agricultural Land Impacts (1,000-Sq. Feet/Pole)	21,000	26,000
	Acres of Permanent Agricultural Land Impacts within ROW	0	1
Acres of CRP Lands within ROW	7	0	
Percent of ROW - CRP Lands	10%	0%	

ALEXANDRIA TO QUARRY ROUTE ADJUSTMENT 5 COMPARISON				
WETLAND AND WATER RESOURCES WITHIN THE RIGHT-OF-WAY				
		ROUTE ADJUSTMENT 5	COMPARABLE PORTION OF CURRENT PROPOSED ALIGNMENT TO ROUTE ADJUSTMENT 5	
Land Use	Acres of Residential Land Use within ROW	0	0	
	Percent of ROW - Residential Land Use	0%	0%	
	Acres of Recreational/Open Space/Park Land Use within ROW	0	0	
	Percent of ROW - Recreational/Open Space/Park Land Use	0%	0%	
	Acres of Commercial/Business/Institutional/Public Land Use within ROW	0	0	
	Percent of ROW - Commercial/Business/Institutional/Public Land Use	0%	0%	
	Acres of Industrial Land Use within ROW	0	0	
	Percent of ROW - Industrial Land Use	0%	0%	
	Acres of Transitional/Growth Area Land Use within ROW	0	0	
	Percent of ROW - Transitional/Growth Area Land Use	0%	0%	
	Acres of County-Identified Municipal Land Use within ROW	0	0	
	Percent of ROW - County-Identified Municipal Land Use	0%	0%	
	Estimated Number of Poles in Non-Agricultural Land	0	0	
	Acres of Temporary Non-Agricultural Land Impacts (1-Acre/Pole)	0	0	
	Sq. Feet of Permanent Non-Agricultural Land Impacts (55-Sq. Feet/Pole)	0	0	
	Acres of Permanent Non-Agricultural Land Impacts	0	0	
	Number of Center Pivot Irrigation Systems within ROW	0	0	
	Acres of Wooded Lands within ROW	0	0	
	Percent of ROW - Wooded Lands	0%	1%	
	Number of Daycare Facilities within ROW	0	0	
	Number of FCC Antenna Structures within ROW	0	0	
	Trails and Scenic Byways	Number of State Trail Crossings within ROW	0	0
		Parallel Miles to State Trails	0	0
Number of County Trail Crossings within ROW		0	0	
Parallel Miles to County Trails		0	0	
Number of Scenic Byway Crossings within ROW		0	0	
Parallel Miles to Scenic Byways		0	0	
Airports/Landing Strips	Number of Airports/Landing Strips within 5-Miles	0	0	
	Located within Instrument Approach to Airport	0	0	
	Miles to Nearest Airport/Landing Strip	8	8	
Mining/Aggregate Resources	Number of VOR Sites within ROW	0	0	
	Total Number of Aggregate Source Pits within ROW	0	0	
	Number of Prospective Aggregate Source Pits within ROW	0	0	
Cultural and Historic Resources	Number of Commercial Aggregate Source Pits within ROW	0	0	
	Number of NRHP Sites within ROW	0	0	
	Number of Known Historic Structures within ROW	0	0	
	Number of Known Archaeological Sites within ROW	0	0	
RESIDENTIAL AND NON-RESIDENTIAL STRUCTURES/BUILDINGS, SENSITIVE MANAGEMENT AREAS AND CONSERVATION EASEMENTS, OTHER				
Number of Residences / Non-Residences within Proximity to ROW	Number of Residential Structures within 0-75 Feet of Alignment	0	0	
	Number of Residential Structures within 75-150 Feet of Alignment	0	2	
	Total Number of Residential Structures within 150 Feet of Alignment	0	2	
	Number of Residential Structures within 150-300 Feet of Alignment	0	2	
	Number of Residential Structures within 300-500 Feet of Alignment	1	3	
	Total Number of Residential Structures within 500 Feet of Alignment	1	7	
USFWS Easements	Number of Non-Residential Structures within 150 Feet of Alignment	0	3	
	Number of USFWS Easements within ROW	0	0	
	Total Acres of USFWS Easements within ROW	0	0	
	Acres of USFWS Wetland Easements within ROW	0	0	
	Acres of USFWS Grassland Easements within ROW	0	0	
	Acres of USFWS Farmers Home Administration Easements within ROW	0	0	
MN County Biological Survey (MCBS) Sites of Biodiversity Significance	Acres of USFWS Other Easements within ROW	0	0	
	Total Acres of MCBS Sites of Biodiversity Significance within ROW	0	0	
	Number of MCBS Sites of Biodiversity Significance within ROW	0	0	
	Acres of Moderate MCBS Sites of Biodiversity Significance within ROW	0	0	
	Acres of High MCBS Sites of Biodiversity Significance within ROW	0	0	
	Acres of Outstanding MCBS Sites of Biodiversity Significance within ROW	0	0	

**ALEXANDRIA TO QUARRY ROUTE ADJUSTMENT 5 COMPARISON**

**WETLAND AND WATER RESOURCES WITHIN THE RIGHT-OF-WAY**

		ROUTE ADJUSTMENT 5	COMPARABLE PORTION OF CURRENT PROPOSED ALIGNMENT TO ROUTE ADJUSTMENT 5
MCBS Native Plant Communities	Number of MCBS Native Plant Communities within ROW	0	0
	Acres of MCBS Native Plant Communities within ROW	0	0
MCBS Railroad ROW Prairies	Number of MCBS Railroad ROW Prairies	0	0
	Linear Feet of Fair MCBS Railroad ROW Prairies within ROW	0	0
	Linear Feet of Good MCBS Railroad ROW Prairies within ROW	0	0
	Linear Feet of Very Good MCBS Railroad ROW Prairies within ROW	0	0
MN Land Trust Conservation Easements	Number of MN Land Trust Conservation Easement Crossings within ROW	0	0
	Acres of MN Land Trust Conservation Easements within ROW	0	0
BWSR RIM Easements	Number of BWSR RIM Easement Crossings within ROW	0	0
	Acres of BWSR RIM Easements within ROW	0	0
Calcareous Fens	Number of Calcareous Fens within ROW	0	0
	Acres of Calcareous Fens within ROW	0	0
Sensitive Management Areas and Resources	Number of Waterfowl Production Areas within ROW	0	0
	Acres of Waterfowl Production Areas within ROW	0	0
	Number of Wildlife Management Areas within ROW	0	0
	Acres of Wildlife Management Areas within ROW	0	0
	Number of Scientific Natural Areas within ROW	0	0
	Acres of Scientific Natural Areas within ROW	0	0
	Number of Known Occurrences of Threatened and Endangered Species within ROW	0	0
	Number of Trout Stream Crossings within ROW	0	0
Acres of Prairie Bank Easements within ROW	0	0	

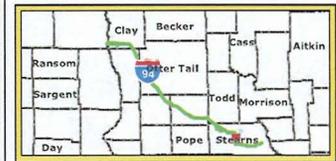
\*Pole locations associated with the anticipated alignment, which was previously identified and reviewed by the Commission, are based on preliminary spotting. Pole locations associated with the proposed route adjustment are based on preliminary design and reflect more representative average span lengths. For Route Adjustment 16, pole locations associated with both alignments are based only on preliminary spotting.

No hospitals, schools, landfill or dump sites, cemeteries, or churches are located within the ROW.

No Nature Conservancy lands are located within the ROW.



**Permit Maps  
ET2/TL-09-1056**

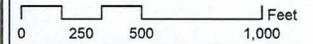


**Legend**

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- Permitted Route
- Adjusted Alignment
- Adjusted Right-of-Way
- Adjusted Route
- Quarry Substation Site
- Residence
- Non-residential Structure
- Municipal Boundary
- Township Boundary
- Section Boundary



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**Fargo to St. Cloud  
345 kV Transmission  
Line Project**

DATE: 09/13/11

**126**



**Permit Maps  
ET2/TL-09-1056**

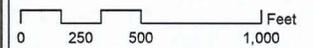


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**Fargo to St. Cloud  
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**127**



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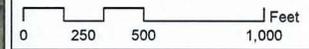


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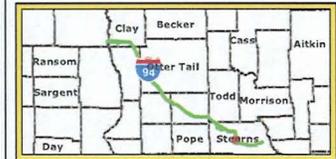
**Fargo to St. Cloud  
345 kV Transmission  
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**128**



**Permit Maps  
ET2/TL-09-1056**

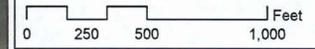


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**Fargo to St. Cloud  
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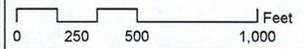


**Permit Maps  
ET2/TL-09-1056**



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**130**