



Nashwauk Public Utilities Commission • Minnesota Power
Electric Power Delivery Project



June 15, 2009

VIA ELECTRONIC FILING

Dr. Burl W. Haar
Executive Secretary
Minnesota Public Utilities Commission
121 7th Place East, Suite 350
St. Paul, MN 55101

RE: Application for a Route Permit for the Essar Steel Minnesota Project 230 kV
Transmission line project (Essar Project)
Docket No. E280/TL-09-512

Dear Dr. Haar:

Nashwauk Public Utilities Commission (Applicant) and Minnesota Power (co-applicant) are filing the enclosed table (Route Segments Considered and Rejected) to supplement the Route Permit Application (“Application”) filed on June 1, 2009. The table was inadvertently omitted from the Application and was intended to be included with Figures A.12 and A.13 in Appendix A. In addition, section 3.4.5 page 3-5 contains a typo that indicates rejected segments can be found in Appendix B. The maps showing the rejected route segments are located in Appendix A figures A.12 and A.13.

We apologize for any confusion this may have caused. Please direct any questions you may have with respect to this supplemental filing to Bob Lindholm at Minnesota Power at (218) 355-3342 or Bryan Adams at Nashwauk Public Utilities Commission at (218) 885-1210.

Sincerely,

Bryan Adams
Nashwauk Public Utilities Commission

Bob Lindholm
Minnesota Power

Attachment

STATE OF MINNESOTA)
) ss
COUNTY OF ST. LOUIS)

AFFIDAVIT OF SERVICE VIA
ELECTRONIC FILING &
U.S. MAIL

Kristie Lindstrom of the City of Duluth, County of St. Louis, State of Minnesota, says that on the 15th day of June, 2009, she served Supplemental Information in Docket No. E280/TL-09-512 to the Minnesota Public Utilities Commission and the Office of Energy Security via electronic filing.

/s/ Kristie Lindstrom

Subscribed and sworn to before
me this 15th day of June, 2009.

/s/ Jodi Nash

Notary Public - Minnesota
My Commission Expires Jan. 31, 2010

Errata

Nashwauk Public Utilities – Minnesota Power

Route Permit Application (June 2009)

The following changes should be included in the Route Permit Application (Docket # E280/TL-09-512).

Page 3-5 section 3.4.5 Route Segments Considered and Rejected, last sentence
Change Appendix B to Appendix A

Tab Appendix A Detailed Route Maps
Change appendix title to Rejected Segments Table and Detailed Route Maps

Tab Appendix A Detailed Route Maps
Add Table titled Route Segments Considered and Rejected (attached)

Route Segments Considered and Rejected

The table below identifies the segments rejected, the reason the segment was eliminated and a description of the location of the segment. The common reasons for eliminating the route segments were to avoid residential impacts, wetlands, lakes, and large forest complexes. A number of segments were also rejected because adjacent segments were eliminated and there was no longer a connection to the route.

Route Segments Considered and Rejected

Segment ID	Length (Miles)	Route	Reason Eliminated	Description
1	1.4	3	Avoid establishment of new corridor and large wetland complex.	A north-south segment between Itasca County Road 69 to the north and existing 115 kV (20 Line) and 230 kV (83 Line) Transmission line ROW to the south. This follows a section line but no existing ROW is present.
2	2.2	3	Avoid establishment of new corridor.	A north-south segment between Birch Rd to the south and the intersection of segments 30 and 39 to the north.
3	1.5	3	Avoid establishment of new corridor and large forest block	A north-south segment between Birch Rd to the north and Itasca County Rd 70 to the south. This segment follows the half section line.
6	1.5	2	Reduce proximity to developments along CR 329 and near Lake O'Reilly.	An east-west segment starting at the 94 line to the west and paralleling CR 329 to Clearwater Rd to the east
7	2.6	2	Avoid establishment of new corridor and large, sensitive wetland area	An east-west segment paralleling the township boundary between T57, R24 to the north and T56,R24 to the south.
10	0.6	2, 3	Reduce proximity to developments near Big Sucker Lake	A North-south segment which parallels South Sucker Lake Rd. The segment runs for approximately 0.6 miles south of Sucker Lake Road.
12	3.9	2	Since Segments 80 and 13 were eliminated, the segment has no connection to a route.	Heads east-west along Itasca County Rd 57 between County Rd 337 and County Rd 58.
13	2.5	2	Reduce proximity of developments along County Rd 58 and Big McCarthy Lake.	Tracks southeast while paralleling County Rd 58. This segment extends between Southview Road and County Rd 57.
14	1.0	2	Reduce proximity to the developments along Little McCarthy Lake and establishment of new corridor	An east-west segment which runs between between Southview & Pleasantville Rd. This segment parallels Little McCarthy Lake Rd along the eastern half ½. The western ½ of this segment follows the section line where no existing ROW is present.
15	0.6	2	Reduce proximity to developments along Little McCarthy Lake.	Heads southeast and south while paralleling County Rd 58.

Segment ID	Length (Miles)	Route	Reason Eliminated	Description
18	0.6	2	Since Segments 13, 20 & 21 have been eliminated, there is no connection to a route.	Heads southeast-northwest along County Rd 58 between County Rds 8 and 57.
19	1.1	2	Adjacent eliminated segments have removed a connection to a route.	An east-west segment which parallels County Rd 57. This segment runs between County Rd 58 and and County Rd 8.
20	1.9	2	Reduce proximity to development and adjacent eliminated segments have removed a connection to a route	Heads east-west and north-south along County Rd 8. This segment runs east west for approximately 1.5 miles before turning south to run approximately 0.4 miles, ending at County Rd 57.
21	2.9	2	Reduce ROW length and proximity to development and to Lakes	Meanders southwest-northeast along County Rd 8. This segment runs between County Rd 56 and County Rd 58.
22	1.0	1	Reduce proximity to development along Northview Rd and establishment of new corridor.	An east-west segment following a section line and Northview Rd. The eastern half of this segment does not follow existing ROW while the west half of the segment follows Northview Rd.
23	0.5	1	Adjacent eliminated segments have removed a connection to a route.	An east-west segment following County Rd 8 between Colverdale Rd and Pleasantville Rd.
27	1.5	1	Reduce proximity to development along State Highway 65.	A north-south segment following State Highway 65. This segment runs between Westwood Rd to the north and Creek Rd to the south.
36	1.0	2	Adjacent eliminated segments have removed a connection to a route.	A north-south segment between the 28 Line to the south and CSAH 60 to the north.
37	0.7	2	Avoid homes along Clearwater Rd.	A north-south segment paralleling CSAH 60 between CR 329 to the south and CR 328 to the north.
38	0.4	2	Adjacent eliminated segments have removed a connection to a route.	An east-west segment paralleling CSAH 60 between Clearwater Rd to the west and the western edge of T56 R24 S4.
40	0.7	1	Avoid homes along CR 539 and adjacent eliminated segments have removed a connection to a route.	An east-west segment along CR 539 between segment 119 to the west and State Highway 65 to the east.
41	1.2	1	Adjacent eliminated segments have removed a connection to a route.	An east-west segment along CR 539 between CR 545 to the west and segment 119 to the east.
42	0.4	1	Adjacent eliminated segments have removed a connection to a route.	A north-south segment between the 94 line to the north and CR 539 to the south.
44	0.9	1	Avoid homes along CR 539.	An east-west segment paralleling CR 539 from State Highway 65 in the west to CR 536 to the east.
46	0.7	1	Avoid homes along CR 532 and adjacent eliminated segments have removed a connection to a route.	An east-west segment paralleling CR 532 from segment 120 to the west to State Highway 65 to the east.

Segment ID	Length (Miles)	Route	Reason Eliminated	Description
47	1.0	1	Adjacent eliminated segments have removed a connection to a route.	An east west segment paralleling CSAH 54 from State Highway 65 to the west to CR 564 to the east.
49	1.2	1	Adjacent eliminated segments have removed a connection to a route.	An east-west segment paralleling CR 564 from State Highway 65 to the west to segment 48 to the east.
50	1.0	1	Avoid large wetland complex and the establishment of new corridor.	Heads north-south along an undeveloped section line. This segment runs along the entire length of the border between T58, R23 Sections 26 & 27. This segment does not follow an existing corridor.
51	1.0	1	Adjacent eliminated segments have removed a connection to a route.	An east-west segment following County Rd 532 and a section line. This segment follows County Rd 532 for the eastern $\frac{3}{4}$ mile and the section line for the western $\frac{1}{4}$ mile.
52	1.0	1	Reduce proximity to Shaol Lake, avoid wetland complexes and the establishment of new corridor.	Heads north-south along an undeveloped section line. This segment runs along the entire length of the border between T58, R23 Sections 34 & 35. This segment does not follow an existing corridor
53	0.7	1	Adjacent eliminated segments have removed a connection to a route.	An east-west segment paralleling CR 564 from Segment 26 in the west to State Highway 65 in the east.
54	1.0	1	Adjacent eliminated segments have removed a connection to a route.	An east-west segment following County Rd 58. This segment runs between Colverdale Rd and Northwood Rd.
55	1.0	1,2	Adjacent eliminated segments have removed a connection to a route.	A north-south segment paralleling Colverdale Rd between County Rd 56 and Westwood Rd.
56	1.0	1	Adjacent eliminated segments have removed a connection to a route.	Heads east-west along Westwood Rd. This segment runs between Cloverdale Rd and Northwood Rd.
57	0.2	1	Adjacent eliminated segments have removed a connection to a route.	An east-west segment paralleling Westwood Rd between segment 58 to the west and segment 63 to the east.
60	1.5	1,2	Adjacent eliminated segments have removed a connection to a route and reduce proximity to development along Cloverdale Rd.	A north-south segment which follows Cloverdale Rd. This segment runs between Westwood Rd to the north and Creek Rd to the south.
61	0.5	1	Adjacent eliminated segments have removed a connection to a route	An east-west segment which parallels Creek Rd. It runs between Meadow Rd and State Highway 65,
62	1.2	1	Avoid cemetery and the establishment of new corridor.	Heads north-south along a section line between Stone Rd and County Rd 58.
63	1.5	1	Avoid homes along Meadow Rd.	A north-south segment paralleling Meadow Rd from Eastwood Rd to the north to Creek Rd to the south.

Segment ID	Length (Miles)	Route	Reason Eliminated	Description
64	0.3	1	Avoid large wetland and adjacent eliminated segments have removed a connection to a route.	A north-south segment running from Creek Rd to the north to Segment 66 to the south.
68	1.0	1,2	Adjacent eliminated segments have removed a connection to a route	A north-south segment which parallels Pleasantville Rd. This segment runs between County Rd 8 to the north and Little McCarthy Lake Rd to the south.
69	0.5	1,2	Adjacent eliminated segments have removed a connection to a route	A north-south segment which follows Cloverdale Rd between County Rd 8 to the south and the half section line to the north.
71	0.8	1	Reduce proximity to development along W Little Sweden Rd. Also, Segment 72 has been eliminated, removing a connection to a route	Heads north-south along W Little Sweden Rd. This segment runs between State highway 65 in the south and N Little Sweden Rd.
72	1.0	1	Adjacent eliminated segments have removed a connection to a route. Avoid establishment of new corridor.	An east-west segment that follows a private drive. This segments eastern terminous is at the intersection between W Little Sweden Rd and State Highway 65. The western end of this segment is near the end of Stone Rd, at the western T57, R22, S19 border. The eastern ½ of this segment follows an unnamed road. The western ½ would establish a new corridor.
73	1.3	1	Adjacent eliminated segments have removed a connection to a route	A north-south segment. This segment follows State Highway 65 for the northern 1/3 before following Stone Rd for the next ½ mile. The southern ¼ mile of this segment does not follow an existing corridor.
76	4.0	2	Adjacent eliminated segments have removed a connection to a route	Heads east-west along County Rd 56 between Cloverdale Rd and County Rd 8.
77	2.3	2	Adjacent eliminated segments have removed a connection to a route	Follows County Rd 8 between Scenic Highway and County Rd 56..
78	1.9	2	Adjacent eliminated segments have removed a connection to a route. Reduce proximity to development along CR 336 Rd.	A north-south segment that follows CR 336 between County Rd 8 and the existing 94 Line.
79	3.6	2	Avoid Lawrence Lake.	A north-south segment which follows a section line for 3.6 miles between County Rd 56 and County Rd 57. This segment parallels County Rd 336 for the southern 1.8 miles. The segment contains a section of undeveloped corridor near the northern section of the lake. The northern mile of this segment parallels Scenic Highway.

Segment ID	Length (Miles)	Route	Reason Eliminated	Description
80	1.5	2	Avoid Lawrence Lake.	This section tracks east-west and north south with a 90 turn at the intersection between County Rd 57 and Scenic Highway. The east-west trend follows County Rd 57 for 1.6 miles, ending at County Rd 336. The north-west segment is 0.25 miles and ends at County Rd 59.
81	2.0	2	Adjacent eliminated segments have removed a connection to a route.	A north-south segment which follows County Rd 336. The northern end of this segment is at County Rd 57. The southern end is at a half section line.
83	1.0	2	Adjacent eliminated segments have removed a connection to a route.	A north-south segment between the 28 line to the south and segment 89 to the north.
84	0.5	2	Adjacent eliminated segments have removed a connection to a route.	A north-south segment between segment 89 to the south and CR 334 to the north.
85	1.1	2	Reduce proximity to development along Scenic Highway	This segment trends north-south along Scenic Highway between County Rd 60 and the existing 28 Line.
86	2.7	2	Reduce proximity to development along Scenic Highway	This segment trends north-south along Scenic Highway between County Rd 59 and County Rd 328.
87	0.5	2	Reduce proximity to development along Scenic Highway.	A north-south segment which parallels Scenic Highway between County Rd 328 and County Rd 60.
89	1.2	2	Avoid establishment of new corridor and difficulty crossing Scenic Highway	An east-west segment between Scenic Highway to the west and Segment 83 to the east.
90	1.0	2	Adjacent eliminated segments have removed a connection to a route.	A north-south segment which parallels Southview Rd between County Rd 8 and County Rd 58.
91	0.2	2	Adjacent eliminated segments have removed a connection to a route.	An east west segment which follows a section line near the intersection between County Rd 8 and Southview Rd. This segment follows the section line where County Rd 8 deviates to the south.
92	1.0	2	Adjacent eliminated segments have removed a connection to a route.	This section tracks north-south and east-west. It makes a 90 turn at the intersection between County Rd 8 and Big McCarthy Lake Dr. This segment generally follows County Rd 8, as this road also makes a 90o turn. The north-south segment runs between County Rd 57 and Big McCarthy Lake Drive. The east-west segment is between Big McCarthy Lake Drive and Northview Rd.

Segment ID	Length (Miles)	Route	Reason Eliminated	Description
94	4.1	3	Reduce proximity to developments withing Nashwauk Municipality	This section is arraged in a u-turn shape to pass around urban development in the City of Nashwauk. There is an east-west section north of Nashwauk that runs along the northern boundary of Sections 31 & 32 of, T 57,R 22. for 1.7 miles. A north-south section runs along the western quarter section of Section 33 (T57, R22) for 0.6 mile. A southerly portion of this segment trends southwest along United States Highway 169 for approximately 1.7 miles.
95	0.3	3	Avoid wetland and adjacent eliminated segments have removed a connection to a route.	An east-west segment paralleling CSAH 70 between the proposed pipeline corridor to the west and segment 97 to the east.
96	0.5	3	Avoid homes along CSAH 70 and adjacent eliminated segments have removed a connection to a route.	An east-west segment paralleling CSAH 70 between segment 97 to the west and where CSAH 70 turns due north.
97	1.4	3	Avoid establishment of new corridor and large wetland complex.	A north-south segment which lies between the existing 28 Line and County Rd 70. This segment follows the half section line in Section 13, T55, R24.
99	0.5	3	Avoid homes along Birch Dr.	An east-west segment paralleling Birch Dr from the point where Birch Dr heads in an east-west direction to the center of the pipeline corridor.
100	0.5	3	Adjacent eliminated segments have removed a connection to a route.	An east-west segment paralleling Birch Dr from the pipeline corridor to the west to CSAH 69 to the east.
102	1.6	3	Avoid homes along CSAH 69.	A north-south segment partially paralleling CSAH 69 from Birch Dr to the south to segment 39 to the north.
103	1.6	3	Avoid homes along Birch Dr.	A north-south segment paralleling Birch Dr from CSAH 70 in the south to where Birch Dr turns to the east.
104	1.0	2	Adjacent eliminated segments have removed a connection to a route.	A north-south segment which follows County Rd 336. This segment runs along the section line between Sections 26/27 & 34/35, T57, R24. A half mile is situated between each section pair.
105	5.5	2	Avoid establishment of new corridor within a large forest block and numerous wetlands.	An east west section primarily following half section lines between County Rd 58 and County Rd 336. The eastern 1.25 miles of this segment generally follow N. Little Sucker Lake Rd. The remaining western portion is situated along the half section line of Sections 29 & 30, T57, R23 and Sections 25 & 26, T57, R24. The western portion is not located along an existing corridor.
106	0.5	2	Adjacent eliminated segments have removed a connection to a route.	A north-south segment which generally parallels County Rd 58. This segment runs between N Sucker Lake Rd and Sucker Lake Rd.

Segment ID	Length (Miles)	Route	Reason Eliminated	Description
107	0.5	2	Adjacent eliminated segments have removed a connection to a route.	An east west segment which generally parallels County Rd 58. This segment lies between the northeast corner of Section 34, T57, R23 and S Sucker Lake Rd.
108	0.6	2	Reduce proximity to developments along Scenic Highway	A north south segment following Scenic Highway between County Rd 8 and the existing 94 Line.
109	1.2	3	Avoid homes along CSAH 69.	A north-south segment paralleling CSAH 69 from CSAH 70 to the south to Birch Dr to the north.
110	0.2	3	Adjacent eliminated segments have removed a connection to a route.	A north-south segment paralleling CSAH 70 between T55 R23 S7 and T55 R24 S12.
111	1.4	3	Reduce proximity to developments along County Rd 70.	An east-west segment which parallels County Rd 70. The eastern extent of this segment begins at the existing 39 & 40 Lines. Its western end is at County Rd 69.
113	0.5	1,2	Adjacent eliminated segments have removed a connection to a route.	An east-west segment which parallels Little McCarthy Lake Rd. This segment is between Hilltop Rd and Pleasantville Rd.
114	1.0	1	Avoid large wetland complex.	Heads east-west along the half section line in Section 14, T57, R23. This segment follows an undeveloped corridor.
115	1.4	2	Adjacent eliminated segments have removed a connection to a route.	An east-west segment which follows County Rd 59. The eastern extent of this segment is at the intersection with Scenic Highway. Its western extent is located at the intersection with the existing 94 Line.
117	0.6	2	Avoid homes along CSAH 60 and Unnamed PWI waterbody (31-229 W)	An east-west segment paralleling CSAH 60 from the western edge of T56 R24 S4 to Segment 142.
122	0.4	1	Avoid homes along State Highway 65.	A north-south segment paralleling State Highway 65 from CR 536 to the north to CR 539 to the south.
123	1.0	1	Reduce proximity to development along State Highway 65.	Trends north-south along State Highway 65. This segment spans the area between County Rd 539 and County Rd 54.
124	1.0	1	Reduce proximity to development along State Highway 65.	A north-south segment which parallels State Highway 65 between County Rd 56 and County Rd 54.
125	1.0	1	Reduce proximity to development along State Highway 65.	A north-south segment which parallels State Highway 65, between County Rd 56 and Westwood Rd.
126	0.2	1	Adjacent eliminated segments have removed a connection to a route.	An east-west segment paralleling Creek Rd from segment 35 to the west to Meadow Rd to the east.
127	0.5	1	Avoid homes along Westwood Rd.	An east-west segment paralleling Eastwood Rd from Meadow Rd to the west to State Highway 65 to the east.
129	0.5	2	Adjacent eliminated segments have removed a connection to a route.	A north-south segment from the south-western corner of T57 R23 S32 north to segment 134.

Segment ID	Length (Miles)	Route	Reason Eliminated	Description
130	0.9	2	Adjacent eliminated segments have removed a connection to a route.	A north-south segment roughly following the western edge of T56 R23 S5 from the 45 line north to the south-east corner of T57 R23 S31.
132	0.5	2	Adjacent eliminated segments have removed a connection to a route.	An east-west segment situated along County Rd 8. This segment runs between Northview Rd and Cloverdale Rd.
133	0.5	1,2	Reduce proximity to developments along County Rd 8.	An east-west segment situated along County Rd 8. This segment is between Pleasantville Rd and Hilltop Rd.
136	1.0	2,3	Avoid Little Sucker Lake.	A north-south segment following an undeveloped section border. This segment is located along the boundary between Sections 34 & 35, T57, R 34.
138	1.9	2	Avoid wetlands and adjacent eliminated segments have removed a connection to a route.	An east-west segment from the south-east corner of T57 R23 S31 to segment 141.
140	0.9	2	Reduce proximity to developments along Big Sucker Lake.	An east-west segment which generally follows Sucker Lake Rd. A short segment (0.15 miles) runs southeast from Sucker Lake Rd to meet with Segment 9.
142	0.4	2	Adjacent eliminated segments have removed a connection to a route.	A north-south segment in T57 R24 S 33 between CSAH 60 to the south and CR 328 to the north.
144	0.4	2	Avoid homes along CSAH 60 and difficulty crossing Scenic Highway.	An east-west segment paralleling CSAH 60 from segment 142 to the west to Scenic Highway to the east.
146	1.0	1	Avoid homes along Eastwood Rd.	An east-west segment partially paralleling Eastwood Rd from State Highway 65 to the west to the southwest corner of T57 R22 S5.
147	0.5	1	Reduce proximity to developments along State Highway 65.	A north-south segment which parallels State Highway 65. This segment spans between Creek Rd and County Rd 8.
151	5.0	1	Avoid crossing large wetland complexes, establishes more new corridor than route 1A.	A north-south segment starting at the 94 line to the north and running south along section lines to the southwest corner of T57 R22 S4 then heading southwest to the southwest corner of T57 R22 S8.