

ATTACHMENT INFORMATION SHEET - REVISION 01/4/2017					
Licensee	MC/Metro		Pole Total	64	
License #	Horizon Spoke 3		# of New	30	
Location	St Paul, MN		# of Overhead	0	
PPA #	8429		Attachment Total	30	

Notes:			Decimal Conversion:		
1) Enter all measurements in decimal format (ie 15 R 6" = 15.5)			0" = .00	4" = .33	6" = .67
2) Lowest power of pole may be neutral, secondary, tip of terminal riser, bottom of dip loops, etc.			1" = .08	8" = .67	10" = .75
3) For Power Equipment, note transformers, capacitor banks, switches, etc.			2" = .17	6" = .50	10" = .83
Please refer to the Appendix on "Communications Attachments to Xcel Energy Distribution Facilities"			3" = .25	7" = .58	11" = .92
For specific clearance requirements, A copy of the Appendix can be obtained by calling (855) 228-2200					

Pole No. (on Map)	New (N) or Overhead (O)	Xcel Energy GIS Pole ID	Latitude	Longitude	Power Pole & Equipment		Existing Attachment Height Information					Proposed Attachment Information					Highest Existing Communications		Proposed Communications					Pass / Fail Vertical			Pole Loading Information				Proposed Modifications / Make-Ready Necessary to Allow for Attachment	Approved / Denied / Approved with Conditions	Make Ready Required / Comments	Approved Attachment Height	Guy Anchor Required?	Post Inspection Height	Pass/Fail			
					Pole Ht Class	Power Equipment on Pole	Lowest Power at Pole	Lowest Power Cable at Mid-span	Street Light Bracket / Dip Loop (Lowest)	Highest Existing Communic. At Pole (1)	Existing Communic. At Pole (2)	Existing Communic. At Pole (3)	# of Existing Riser	Proposed Attachment Height for New Cable	Proposed Mid-span Cable Height (Must meet SH 3.6 min. and local ord.)	48" from power cable	12" from street light bracket / dip loop	12" clearance from Communic. one (2)	19.5' at Pole Above Surface	48" from power cable	12" from street light bracket / dip loop	30' mid-span power cable clearance	12" clearance from Communic. one (1)	12" clearance from Communic. one (2)	12" clearance from Communic. one (3)	19.5' at Pole Above Surface	Span Length	Cable Diameter	Cable Weight	Structure Type (Tangent, Dead-End, Angle, etc.)								Current % Loading	Proposed % Loading	Guy / Anchor Required?
24	N	37742593			50-3		36.00	32.33		26.92	26.17			25.17	23.00	PASS		9	PASS	PASS		PASS	PASS	PASS		PASS	PASS	104	1.03	0.37	Dead-End	24.4	25.7%	Yes	Approved	MCMetro will need to attach their new line at 12" under the Q-1 (Century Link) line. MCMetro will need to place an anchor & down guy north.		Yes		
25	N	37740535			50-3		33.00	31.25		23.75	22.92			21.92	23.42	PASS		9.96	PASS	PASS		PASS	PASS	PASS		PASS	PASS	144	1.03	0.37	Tangent	27.9	30.6%	No	Approved	MCMetro will need to attach their new line at 12" under the Q-1 (Century Link) line.		No		
26	N	37740529			50-3	XFMR	31.42	30.75		27.83	27.08			26.08	22.33	43.08		9	PASS	PASS		PASS	PASS	PASS		PASS	PASS	115	1.03	0.37	Tangent	28.5	32.6%	No	Approved	MCMetro will need to attach their new line at 12" under the Q-1 (Century Link) line.		No		
27	N	37740523			50-3		33.83	29.67		23.75	22.58			21.58	20.17	PASS		PASS	PASS	PASS		PASS	PASS	PASS		PASS	PASS	148	1.03	0.37	Junction	42.8	45.9%	No	Approved	MCMetro will need to attach their new line at 12" under the Q-1 (Century Link) line.		No		
28	N	37740517			40-5		29.42	26.92		24.92	23.83			22.83	19.00	PASS		PASS	PASS	PASS		PASS	PASS	PASS		PASS	PASS	201	1.03	0.37	Tangent	48.8	58.1%	No	Approved	MCMetro will need to attach their new line at 12" under the Q-1 (Century Link) line.		No		
29	N	37740511			40-5		30.42	21.92		24.17	23.25			22.25	16.00	PASS		11.04	PASS	PASS		PASS	PASS	PASS		PASS	PASS	235	1.03	0.37	Tangent	62.4	73.6%	No	Approved with Conditions	MCMetro will need to contact the owner of A-1 (Comcast) to resag their 235' span to the south up to the maximum height. Note: the excess slack will need to be pushed another 168' to pole 31 which is a deadend where it can be taken out. MCMetro will need to contact the owner of Q-1 (Century Link) to resag their 235' span to the south up to the maximum height. Note: the excess slack will need to be pushed another 168' to pole 31 which is a deadend where it can be taken out. MCMetro will need to attach their new line at 12" under the Q-1 (Century Link) line.		No		
30	N	37740415			40-5		24.92	21.33		21.42	20.42			19.42	16.08	42		PASS	PASS	PASS		PASS	PASS	PASS		PASS	PASS	168	1.03	0.37	Tangent	50.2	59.5%	No	Approved	MCMetro will need to attach their new line at 12" under the Q-1 (Century Link) line. Note: the excess slack from makeready work on previous pole 29 to continue forward to pole 31.		No		
31	N	37740409			40-4		27.33	26.92		22.42	21.00			20.00	19.33	PASS		PASS	PASS	PASS		PASS	PASS	PASS		PASS	PASS	107	1.03	0.37	Junction	80.2	80.3%	Yes	Approved	MCMetro will need to attach their new line at 12" under the Q-1 (Century Link) line. MCMetro will need to place an anchor & down guy south. Note: the excess slack from makeready work on previous pole 29 to be removed at this pole.		Yes		
32	N	37740421	P-P Guy		40-5	XFMR, STL	24.92	25.75	22.08	19.00	17.42			12.50		PASS	PASS	PASS	19.00	PASS	PASS	PASS	PASS	PASS		12.50		80	1.03	0.37	Tangent	48	51.1%	Yes	Approved	MCMetro will need to attach their new pole to pole guy from pole 31 at 12' 00"		No		
33	N	37740400	CTL Pole		45-4	XFMR, STL, Riser	27.58	28.17	23.75	22.08	20.67		1	19.67	17.25	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS		PASS	PASS	111	1.03	0.37	Tangent	46.2	49.4%	No		Century Link owned pole.				
34	N	37761638	CTL Pole		45-4	STL, Riser	30.08	27.67	29.50	20.17	18.67		1	18.67	17.33	PASS	PASS	PASS	PASS	PASS	PASS	PASS	0		18.67	PASS	91	1.03	0.37	Tangent	45	48.3%	No		A1 Raise 12" to 212". This will require a splice in the COAX riser. CTL Raise 18" to 202"					
35	N	37761626	CTL Pole		40-4	XFMR	28.00	26.25		22.33	20.33		1	19.33	19.33	PASS		PASS	PASS	PASS		PASS	PASS	PASS		19.33	PASS	65	1.03	0.37	Tangent	36.7	39.5%	No		CTL Rotate terminal 90 degrees.				
36	N	37761620			45-3		26.67	26.50		23.00	21.75			20.75	19.58	44.04		PASS	PASS	PASS		PASS	PASS	PASS		PASS	PASS	109	1.03	0.37	Junction	45	46.1%	No	Approved	MCMetro will need to attach their new line at 12" under the Q-1 (Century Link) line.		No		
37	N	37761632	CTL Pole		40-4	STL	27.42	28.08	26.33	21.83	20.08			19.08	16.50	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS		19.08	PASS	98	1.03	0.37	Tangent	43	46.4%	No		CTL Rotate terminal 90 degrees.					
38	N	37762661			45-5	XFMR	31.83	29.42		19.17	17.58			16.58	16.75	PASS		PASS	19.17	PASS		PASS	PASS	PASS		16.58	PASS	51	1.03	0.37	Tangent	41.3	43.9%	No	Approved	MCMetro will need to attach their new line at 12" under the Q-1 (Century Link) line.		No		
39	N	37762667	CTL Pole		40-5	Riser	24.67	26.25		20.42	18.58		1	17.58	17.58	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS		17.58	PASS	103	1.03	0.37	Tangent	51	54.3%	No		Century Link owned pole.				
40	N	37765998	CTL Pole		40-5	STL, Riser	27.25	24.83	24.25	21.58	20.00		1	19.00	18.33	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS		19.00	PASS	49	1.03	0.37	Tangent	42.7	44.8%	No		Century Link owned pole.				
41	N	37756703			45-3	PTS, Riser	23.25	22.50		22.67	19.08		1	18.08	16.00	6.96		PASS	PASS	PASS		PASS	PASS	PASS		18.08	PASS	136	1.03	0.37	Tangent	29.5	31.4%	No	Approved	A1 Lower 33" to 19"11" and re-sag CTL Re-sag span west.		No		
42	N	37756679	CTL Pole		45-3	STL	22.25	19.42	25.83	17.08	15.25			17.08	15.92	PASS	PASS	PASS	17.08	PASS	PASS	PASS	0	PASS		17.08	PASS	74	1.03	0.37	Tangent	33.3	36.7%	No		Re-Frame and raise cabled secondary to 24"10". Secondary is wrapped around the face of pole. A1 Raise 34" to 19"1" CTL Raise 34" to 18"11"				
43	N	37756496	CTL Pole		45-4	XFMR, STL	23.08	23.75	21.42	18.08	16.67			15.67	15.75	PASS	PASS	PASS	18.08	PASS	PASS	PASS	PASS	PASS		15.67	PASS	97	1.03	0.37	Tangent	46.1	46.7%	No		Century Link owned pole.				
44	N	37756481			40-3	XFMR, STL	25.33	23.83	23.83	20.50	19.00			18.00	16.08	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS		18.00	PASS	96	1.03	0.37	Tangent	47.1	50.0%	No	Approved with Conditions	MCMetro will need to contact the owner of Q-1 (Century Link) to rotate their terminal box from the north side of the pole to the east side. MCMetro will need to attach their new line at 12" under the Q-1 (Century Link) line. MCMetro will need to place an anchor & down guy west.		Yes		
45	N	37756487			40-3	Riser	24.42			22.00			1	20.00		29.04		PASS	PASS			PASS				PASS			1.03	0.37	Dead-End	18.8	19.7%	Yes		A1 Lower 12" to 219"				
46	N	37770951	CTL Pole		45-3	XFMR, Riser	25.67	24.00		20.75	18.50		2	21.75	19.42	PASS		PASS	PASS	47.04		PASS	PASS	PASS		PASS	PASS	123	1.03	0.37	Tangent	43.9	43.8%	Yes		Century Link owned pole.				
47	N	37770957	CTL Pole		40-4		28.58	25.33		20.17	18.25			21.17	20.33	PASS		PASS	PASS	PASS		PASS	PASS	PASS		PASS	PASS	76	1.03	0.37	Tangent	43.6	47.5%	No		Century Link owned pole.				
48	N	NT-1	CTL Pole		35-5		24.00	23.58		19.58	18.08			20.58	20.50	PASS		PASS	PASS	41.04		PASS	PASS	PASS		PASS	PASS	164	1.03	0.37	Tangent	39.3	46.3%	No		Century Link owned pole.				
49	N	37770963	CTL Pole		40-4	XFMR, STL	22.67	21.17	21.08	18.17	16.33		1	19.17	18.83	PASS	PASS	PASS	18.17	42	PASS	28.08	PASS	PASS</																

UC/Synergetic Design

P.O. Box #550
Cottage Grove, MN 55016
(612)-991-7267

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February 14, 2019

Notify #766723

RE: MCImetro Access Transmission Services Corp., Facility Attachment Asset Permit Application APA8429, in St. Paul, MN.

Xcel Energy Facility Attachments
825 Rice St.
St. Paul, MN 55117

I have completed the site inspection and technical review of MCImetro Access Transmission Services Corp. application, permit number APA8429. I have determined that all poles as indicated on the sketch can be attached to without any rearrangements or pole change-outs with the exception of the poles listed below. This determination was made by referencing the requirements for communications attachments found in the "Xcel Energy Electric Distribution Design and Construction Standards" manual.

It is the attaching utilities responsibility to make sure that all NESC and local ordinances for vertical clearance above surfaces (roads, alleys, fields, buildings etc.) are met.

Note!

Total count of poles checked = 63. 30 – New Attachments

30 poles are owned by Xcel Energy. 33 poles are foreign owned. Total of 30 Xcel Energy poles can be attached to on this request.

Measurements were taken on February 2 with an ambient temperature of +14° F.

Poles of concern needing some sort of modification to meet clearance requirements are as follows:

See notes in Xcel Energy Use Only columns of the Attachment Information sheet.

Please note: Attachments must be tagged for communication ownership on every pole. Upon completion of project, Xcel Energy must be notified to complete a post inspection.

Estimated costs for any required "make-ready" work will be provided by Xcel Energy Design Staff upon request. Attachments cannot be made until the cost estimate is approved, payment is made, and the requesting party is notified by Xcel Energy that the "make-ready" work has been completed in the field.

Any communication attachments that do not currently meet minimum required NESC clearances from electrical conductors must only be maintained by electrically qualified workers. Please contact Xcel Energy for assistance with correcting any such existing clearance violations or to create a work environment that is safe for any employees and contractors of the Lessee's to perform such work.

Sincerely,



Jeff Renwick

● Page 2
Joint Use Technician
UC/Synergetic Design Inc.

February 13, 2019





POLE PERMIT APPLICATION

Xcel Energy Permit # _____

Licensee Permit # Horton Spoke 3-2

This Pole Permit Application ("PPA") is made to the Pole License Agreement between **Northern States Power Company d/b/a/ Xcel Energy** ("Electric Company") and **MCImetro Access Transmission Services Corp, d/b/a Verizon Access Transmission** dated: Dec 31, 2008- **PLA signature date- do not change**). Capitalized terms used in this PPA have the same meaning as such terms in the Pole License Agreement unless otherwise indicated.

Note: This Section only to be Completed by Licensee													
Number of Attachments Requested	<table border="1"><tr><td>30</td><td>New Attachments</td><td>30</td><td>No. of poles</td></tr><tr><td></td><td>Remove from Poles</td><td></td><td>No. of poles</td></tr><tr><td></td><td>Over Lash to Poles</td><td></td><td>No. of poles</td></tr></table>	30	New Attachments	30	No. of poles		Remove from Poles		No. of poles		Over Lash to Poles		No. of poles
30	New Attachments	30	No. of poles										
	Remove from Poles		No. of poles										
	Over Lash to Poles		No. of poles										
Pole Locations – Address	Starting on N Prior Ave, at Xcel pole# 37742593, head South to the alley South of W Inglehart Ave. Follow the alley West to Xcel pole# 37756487. Then rise up Xcel pole# 37770951, in the alley South of W Grand Ave at the intersection of N Cleveland Ave. Follow the alley East to Xcel pole# 37753310.												
City, County, and State	St Paul, Ramsey County, MN												
Map Showing Pole Locations	See Attachment 1 : Clearance and Pole Loading Worksheets See Attachment 2												
Description of Equipment to be Attached to Poles	864ct Ribbon Fiber lashed to a 1/4" EHS Strand.												
Licensee contact for emergencies	Mitchel VandenPlas												

LICENSEE

Signature:

Telephone:

612-246-4906 ex 4024

Name: (print)

Mitchel VandenPlas – Mi-Tech Services,
Inc. Agent for MCI Metro Access

Title:

Regional Project Manager

Company:

MCImetro Access Transmission Services
Corp, d/b/a Verizon Access Transmission

Address:

7383 County Rd 140,
Cologne, MN 55322

ELECTRIC COMPANY

Signature:		All Approved <i>(See attached)</i>	All Denied
Name (print):		Approved With Conditions <i>(See Attached Report)</i>	
		# of Attachments Approved: =	
Title:		Date:	

*Modifications required
(see attachment)**Electric Company contact for
EMERGENCIES*

Must follow instructions on attached report and subject to Licensee's compliance with all the requirements of the agreement, NESC, and other applicable state and local codes and regulations.

800-895-1999

[illegible]

Signatures

Conversation #

Compiled by: John Smith on 08-05-2019

Signed:

A handwritten signature in black ink, appearing to read "John Smith", written in a cursive style.

Conversation #

Reviewed by: Ted Cooper on 08-05-2019

Signed:

A handwritten signature in black ink, appearing to read "Ted Cooper", written in a cursive style.