

ATTACHMENT INFORMATION SHEET - REVISION 01/03/17										Notes:										Decimal Conversion:																																																																																																																																																																																																																																									
Licensee		MICRetro		Pole Total		64		1		1) Enter all measurements in decimal format (ie 15 8/16" = 15.5)		0" = .00		4" = .33		8" = .67		12" = 1.00		16" = 1.33		20" = 1.67		24" = 2.00		28" = 2.33		32" = 2.67																																																																																																																																																																																																																																	
Licensee #		Horton Spoke 3		# of New		30		2		2) Lowest power at pole may be moved, secondary, top of terminal riser, bottom of drip loops, etc.		1" = .08		6" = .42		9" = .75		1" = .08		6" = .42		9" = .75		1" = .08		6" = .42		9" = .75																																																																																																																																																																																																																																	
Location		St Paul, MN		# of Overhead		0		3		3) For Power Equipment, note transformers, capacitor banks, switches, etc.		2" = .17		6" = .60		10" = .83		2" = .17		6" = .60		10" = .83		2" = .17		6" = .60		10" = .83																																																																																																																																																																																																																																	
PPA #				Attachment Total		30				Please refer to the Appendix on "Communications Attachments to Xcel Energy Distribution Facilities"		3" = .25		7" = .58		11" = .82		3" = .25		7" = .58		11" = .82		3" = .25		7" = .58		11" = .82																																																																																																																																																																																																																																	
										For specific clearance requirements. A copy of the Appendix can be obtained by calling (855) 228-2500.																																																																																																																																																																																																																																																			
Power Poles & Equipment										Existing Attachment Height Information										Proposed Attachment Information										Highest Existing Communications										Proposed Communications										Pass / Fail Equipment Clearance										Pass / Fail Vertical										Pole Loading Information										For Xcel Energy Use Only																																																																																																																																																																													
Pole No. (on Map)	New (N) or Overhead (O)	Xcel Energy GIS Pole ID	Latitude	Longitude	Pole Ht. Class	Power Equipment on Pole	Lowest Power at Pole	Lowest Power Cable at Micropin	Street Light Bracket / Drop Light (feet)	Highest Existing Conductor: At Pole (1)	Existing Conductor: At Pole (2)	Existing Conductor: At Pole (3)	# of Existing Risers	Proposed Attachment Height for New Cable	Proposed Minimum Cable Height (Must meet SDLS 4.6.10 and local ord.)	48" from power cable	12" from street light bracket / drop loop	12" clearance from Conductor: Line (2)	18.0' at Pole Above Surface	48" from power cable	12" from street light bracket / drop loop	12" from street light bracket / drop loop	30" mid-span lower cable clearance	12" clearance from Conductor: Line (1)	12" clearance from Conductor: Line (2)	12" clearance from Conductor: Line (3)	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18.0' at Pole Above Surface	18