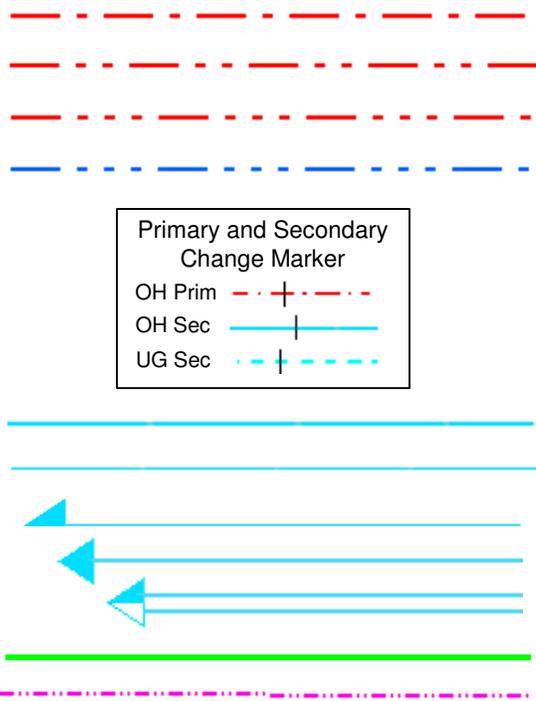


<ul style="list-style-type: none"> Xcel/Unknown Dist. Pole Foreign Dist. Pole Cust. Owned Dist. Pole Xcel/Unknown Orn. Pole Cust. Owned Orn. Pole Xcel Trans. Pole Foreign Trans. Pole Xcel Trans. Tower Electric Riser Anchor Guy Push Brace Ground Brace H Fixture Vault Retired Vault Secondary Transformer Secondary Pedestal Metered Secondary Streetlight Control Secondary Splice Box Primary Splice Box Retired Splice Box Primary Open Secondary Open Primary Meter Non-metered Facility Manhole Retired Manhole Generic Pad Transformer Pad Medical Alert Condition Lot Centroid 	<h3>Transformers</h3> <table border="0"> <tr> <th>Overhead</th> <th></th> <th>Underground</th> </tr> <tr> <td> One-phase</td> <td></td> <td> One-phase</td> </tr> <tr> <td> Three-phase wye-wye</td> <td></td> <td> Three-phase wye-wye</td> </tr> <tr> <td> Two-phase wye-delta</td> <td></td> <td> Two-phase wye-delta</td> </tr> <tr> <td> Three-phase wye-delta</td> <td></td> <td> Three-phase wye-delta</td> </tr> <tr> <td> Step-up/Step-down</td> <td></td> <td> Step-up/Step-down</td> </tr> <tr> <td> Three-phase delta-delta</td> <td></td> <td> Three-phase delta-delta</td> </tr> <tr> <td> One-phase delta</td> <td></td> <td> One-phase delta</td> </tr> <tr> <td> Three-phase delta-wye</td> <td></td> <td> Three-phase delta-wye</td> </tr> <tr> <td> Three-phase open delta-open delta</td> <td></td> <td> Three-phase open delta-open delta</td> </tr> <tr> <td></td> <td></td> <td> Deferral Cabinet</td> </tr> </table>	Overhead		Underground	One-phase		One-phase	Three-phase wye-wye		Three-phase wye-wye	Two-phase wye-delta		Two-phase wye-delta	Three-phase wye-delta		Three-phase wye-delta	Step-up/Step-down		Step-up/Step-down	Three-phase delta-delta		Three-phase delta-delta	One-phase delta		One-phase delta	Three-phase delta-wye		Three-phase delta-wye	Three-phase open delta-open delta		Three-phase open delta-open delta			Deferral Cabinet	<h3>Switching Facility Symbols</h3> <h4>Switch Centers</h4> <table border="0"> <tr> <td> PMH-3</td> <td> PMH-5</td> <td> PMH-9</td> </tr> <tr> <td> PMH-10</td> <td> PMH-11</td> <td> PMH-12</td> </tr> <tr> <td> Automated</td> <td> Unknown</td> <td></td> </tr> </table> <ul style="list-style-type: none"> Elbow Center Open Elbow Closed Elbow Open Cable Terminator Closed Cable Terminator Vacuum Switch Vacuum Interrupter Busbar 	PMH-3	PMH-5	PMH-9	PMH-10	PMH-11	PMH-12	Automated	Unknown	
Overhead		Underground																																										
One-phase		One-phase																																										
Three-phase wye-wye		Three-phase wye-wye																																										
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	<h3>Switches & Fuses</h3> <table border="0"> <tr> <th>Closed</th> <th></th> <th>Open</th> </tr> <tr> <td> OH & UG Disconnect Switch</td> <td></td> <td> OH & UG Disconnect Switch</td> </tr> <tr> <td> OH & UG Switch</td> <td></td> <td> OH & UG Switch</td> </tr> <tr> <td> OH & UG ATO</td> <td></td> <td> OH & UG ATO</td> </tr> <tr> <td> OH & UG Fuse</td> <td></td> <td> OH & UG Fuse</td> </tr> <tr> <td> Substation Circuit Breaker</td> <td></td> <td> Substation Circuit Breaker</td> </tr> </table>	Closed		Open	OH & UG Disconnect Switch		OH & UG Disconnect Switch	OH & UG Switch		OH & UG Switch	OH & UG ATO		OH & UG ATO	OH & UG Fuse		OH & UG Fuse	Substation Circuit Breaker		Substation Circuit Breaker	<ul style="list-style-type: none"> Directional Nightwatch Area Nightwatch Xcel/Unknown Street Light Cust. Owned Street Light Ornamental Light Lightning Arrester Neutral Isolating Device Primary Intersect Connector UG Primary Splice Component Primary Splice UG Secondary Splice Mid-Span Tap Cable Failure Indicator Fault Indicator Locator Electric XY Primary Structure Node Secondary Structure Node Misc Electric Landmark Point Error Symbol: Error with Attributes; Unable to Symbolize Correctly 																								
Closed		Open																																										
OH & UG Disconnect Switch		OH & UG Disconnect Switch																																										
OH & UG Switch		OH & UG Switch																																										
OH & UG ATO		OH & UG ATO																																										
OH & UG Fuse		OH & UG Fuse																																										
Substation Circuit Breaker		Substation Circuit Breaker																																										
	<ul style="list-style-type: none"> OH Capacitor UG Capacitor Regulator Bank Recloser Bank Sectionalizer Bank Substation Cogeneration 																																											
	<p>Note: Actual Location Symbols are 1/2 size of the normal symbols and are gray in color.</p>	<p>Symbol Status: Black denotes "Install" status Symbol with an X denotes "Remove" status</p>																																										

Overhead



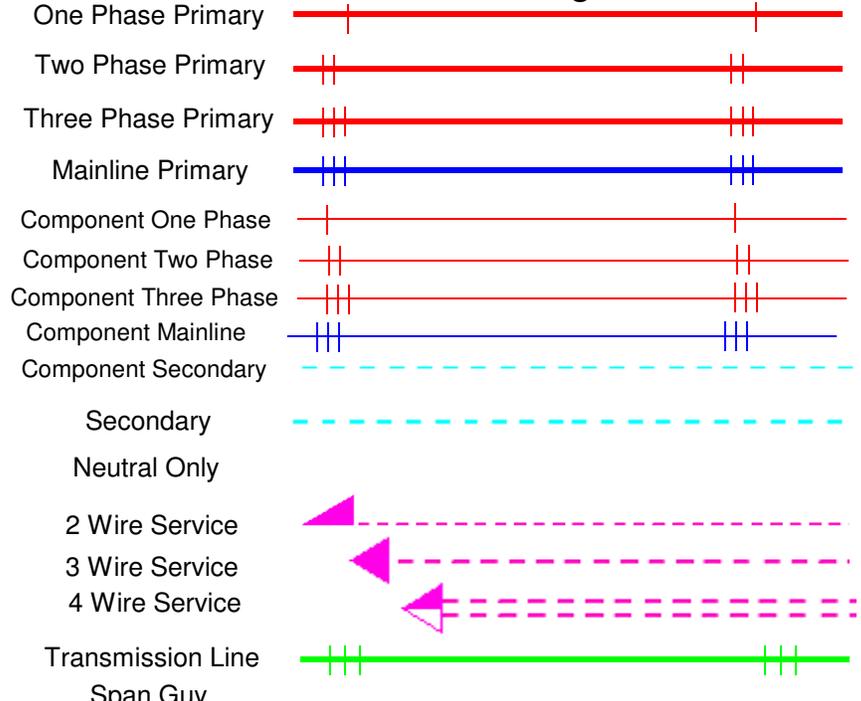
Primary and Secondary Change Marker

OH Prim

OH Sec

UG Sec

Underground



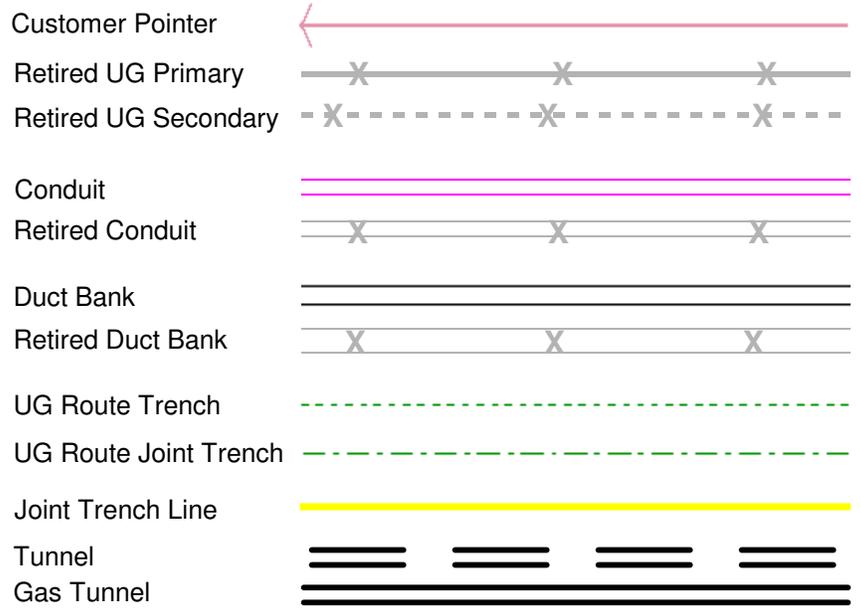
Error Symbol: Error with Attributes; Unable to Symbolize Correctly

Annotation Rules

Fuse size is annotated on distribution maps.

The following are **NOT** annotated:

- 65 Amp Fuses
- UG 1/0 Secondaries
- UG 6 Duplex Street Wire
- UG 4/0 AL TX feeding a pedestal. (Do not make 4/0 secondaries feeding pedestal coincident.)



Cable Segments

Cable Segment Break Point

Cable Segment

Cable Segment Delete

Old Cable Segment

For Map Updates

If you find discrepancies on a map, please make the necessary changes on the **Map Copy** and send it (along with your name and location) to:

Minnesota
Mapping Department
 c/o Allan Radke, Mgr
 Chestnut Service Center (CSC) - 1

Colorado
Mapping Department
 c/o Bill Lucatuorto, Mgr
 Lipan Distribution Center (LDC) - 1

The GIS team will return an updated copy to you for your review.