

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

**Overhead**

**Underground**

	One Phase Primary	
	Two Phase Primary	
	Three Phase Primary	
	Mainline Primary	
<div style="border: 1px solid black; padding: 5px; width: fit-content;"> <p>Primary and Secondary Change Marker</p> <p>OH Prim </p> <p>OH Sec </p> <p>UG Sec </p> </div>		
	Component One Phase	
	Component Two Phase	
	Component Three Phase	
	Component Mainline	
	Component Secondary	
	Secondary	
	Neutral Only	
	2 Wire Service	
	3 Wire Service	
	4 Wire Service	
	Transmission Line	
	Span Guy	

**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.)

Error Symbol: Error with Attributes; Unable to Symbolize Correctly

Customer Pointer	
Retired UG Primary	
Retired UG Secondary	
Conduit	
Retired Conduit	
Duct Bank	
Retired Duct Bank	
UG Route Trench	
UG Route Joint Trench	
Joint Trench Line	
Tunnel	
Gas Tunnel	

**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**

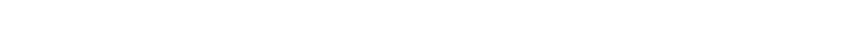
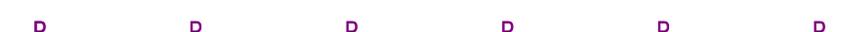
c/o Bill Lucatuorto, Mgr  
Lipan Distribution Center (LDC)

<p> Valves-Distribution and Transmission Blowoff, Bypass, Emergency, Fire, Isolation, Main Line, Operating &amp; Unknown</p> <p> Valves-Distribution and Control</p> <p> Service Valve</p> <p> Casing Vent</p> <p> Control Fitting</p> <p> Main Cap</p> <p> ChangeWeldFusion</p> <p> Transition</p> <p> Insulated Coupling</p> <p> Noninsulated Coupling</p> <p> Reducer</p> <p> Service End Cap</p> <p> ServiceChangeWeldFusion</p> <p> Service Transition</p> <p> Insulated Service Coupling</p> <p> Noninsulated Service Coupling</p> <p> Service Reducer</p>	<p> Drip Box</p> <p> Tailend Pressure Riser</p> <p> Special Pressure Riser</p> <p> Unknown Pressure Riser</p> <p> Excess Flow Valve</p> <p> High Volume Tapping Tee</p> <p> Three Way Tee</p> <p> Full Flow Tee</p> <p> Anode</p> <p> Rectifier</p> <p> Testlead Box</p> <p> Zinc Grounding Cell</p> <p> Bondwire Box</p> <p> Leak (Immediate Hazard)</p> <p> Leak (Not Hazardous, May Become Hazardous)</p> <p> Leak (Not Hazardous)</p> <p> Leak (Repaired)</p>	<p> Town Border Station</p> <p> Regulator Station</p> <p> Regulator in Regulator Station</p> <p> Extra High Pressure Service Tap</p> <p> Relief Valve in Regulator Station</p> <p> Check Valve</p> <p> Locator</p> <p> Locate Wire Box</p> <p> Utility Marker</p> <p> Pipeline Marker</p> <p> Pressure Monitoring Device</p> <p> Miscellaneous Gas Landmark Point</p> <p> Error Symbol: Error with Attributes;Unable to Symbolize Correctly.</p>
	<p><b>Retired Objects</b></p> <p>All Valves </p> <p>All Fittings </p> <p>Control Fitting </p> <p>Drip Box </p>	<p> Vault</p> <p> Retired Vault</p>
		<p><b>Service Riser Symbols</b></p> <p> Service Riser Outside</p> <p> Service Riser Inside</p> <p> Service Riser w/U Bend</p> <p> Lot Centroid</p>
		<p><b>CP Symbols</b></p> <p>CP Symbols are 1/2 size Normal Symbols and are green in color.</p>
		<p><b>Symbol Status</b></p> <p>Black denotes "Install" in GIS and "In Construction" in ED. Normal Symbol with an X across it denotes "Remove".</p>

**Annotation Rules**

The following are **NOT** annotated:

- All gas services are 5/8" or 3/4" PE unless otherwise noted.
- Gas Service length annotation is not displayed on maps.  
(information available in GIS)

	Transmission Pipe
	Main: 176 and Above (psig)
	Main: 67-175 (psig)
	Main: 26-66 (psig)
	Main: 2-25 (psig)
	Main: 0-100 (inches w.c.)
	Joint Trench Line
	Sniffer
	Retired Sniffer
	Existing Gas Service
	Customer Pointer
	Casing Unknown and With Protective Enclosure
	Retired Casing
	Casing Without Protective Enclosure
	Inserted Area
	Propane/Propane Air Line
	Foreign Pipeline
	Retired Gas Pipe
	Error Symbol: Error with Attributes-Unable to Symbolize Correctly.

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