

**Public Service Company of Colorado**

**Contemporaneous Disclosure  
In Compliance with 18 C.F.R . Section 358.7(a)(1)(2)**

If an employee of the Transmission Provider discloses information in a manner contrary to the requirements of § 358.5(b)(1) and (2), the Transmission Provider must immediately post such information on the OASIS or Internet website.

| # | Contemporaneous Disclosure  |
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| 1 | <p>In the Matter of the Application of ) Thirty-sixth set of General Audit of<br/>Public Service Company of Colorado ) Commission Staff – Larry Shiao<br/>For approval of its 2003 Least-Cost ) Dated August 20, 2004<br/>Resource Plan ) Consolidated Dockets<br/>CONSOLIDATED 04A-214E, 215, 216E</p> <p><b><u>GENERAL DISCOVERY REQUEST NO. CPUC36-4:</u></b></p> <p>Does PSCo have any plan to improve TOT3 and TOT5 transfer limits in the next 5-10 years?<br/>If yes, please provide a copy of the study plan.<br/>If no, please explain how PSCo is planning to meet the RMRG reserve requirements if the 750 mw Comanche #3 unit has a two weeks outage during the peak period.</p> <p>RESPONSE:<br/><b>PSCo has no specific plans to upgrade TOTs 3 and 5. However, work currently being conducted through regional study groups may lead to the upgrade of either of these paths. These paths have not been constrained during the past several years in that they have not had flows at or near their limits under system intact conditions. With N-1 conditions the path flows have been closer to the reduced limits. Lack of constraints under system intact conditions is due in large part to the additional generation installed in the Front Range. In January of next year PSCo will have an additional path for power imports; the Lamar DC tie to the east. The reserve requirements with Comanche #3 off will be met by bringing PSCo resources on-line including those under contract, with purchases from neighboring utilities, and from power imports across the Lamar DC tie.</b></p> <p><b>Sponsored by: Robert K. Johnson</b></p> <p><b>Date Responded:</b></p> |
| 2 | <p>Xcel Energy's Wholesale Merchant function raised a concern regarding counter scheduling across the Lamar HVDC tie. Xcel Energy Transmission plans to post the business practice associated with scheduling across the Lamar HVDC tie by the end of this month. (Posted 4/11/05)</p>  |
| 3 | <p>On June 7, 2006, a Wholesale Merchant Function employee was invited to meet with a Transmission Function employee in a PSCo transmission-restricted office area during business hours. The Wholesale Merchant employee entered the area with another employee without waiting for his official escort and as a result was unescorted for a very brief period (less than three minutes). The Wholesale Merchant Employee did not have access to any nonpublic transmission information during his visit. He and his management have been reminded of the SOC requirements. (Posted June 8, 2006)</p>  |

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| 4  | <p>October 4, 2006: As a result of an administrative oversight after an organizational change, an Xcel Energy Wholesale Merchant Function employee received the weekly reports of a Transmission Function employee for three weeks in September 2006. The reports contained the following transmission information:</p> <p><u>Fort St. Vrain-Niwot Line Uprate Project:</u> This line uprate is required as delivery infrastructure upgrades for the Spindle Gas Project. As part of the scope, breakers need to be replaced and upgraded at the FSV Switchyard. PSCo must procure equipment and materials to meet contractual back feed and commercial ISD's. <u>Lamar HVDC:</u> Siemens was notified on September 7<sup>th</sup> that they did not "successfully complete" the 60-day converter evaluation period based on the contractual requirement for 99.5% availability. Actual unavailability was 692 minutes vs. 432 minutes allowed. There was also one protection equipment fault, which by itself is cause for failure to meet the contract. Work continues with Siemens to resolve issues on checklist of items remaining for final completion. The contractual "summer peak" season for converter availability (Siemens contract) ends on Sept 15. <u>FAC 003-1 Vegetation Management Program</u> - Two separate 230kV line outages caused by tree contact due to tree growth in the right of way. The first line outage was caused by a tree contact where in the previous maintenance cycle the United States Forest Service allowed only selective tree removal on the line that suffered an outage. The second line outage was on a right of way where the property owner had refused tree removal/replacement offer in 2004. The Mitigation plan will be completed by the end of the 2006. Removal of all tall-growing trees that could grow too close to the conductors in section of the first line where the outage was caused has been completed. Maintenance on the second line is underway and expected to be done by the end of September 2006. All trees are being trimmed or removed that could grow too close to the conductors to risk contact with the line before the next maintenance cycle. <u>Daniels Park Load Interconnection:</u> The Construction and O&amp;M Agreement for the Daniels Park Substation with IREA has been fully executed. IREA will pay for all high-side facilities (except metering) consistent with our new policy. The requested in-service is May 2007 and is expected to be met. <u>Akron Wind LGIA:</u> The LGIA for the 250MW Akron Wind Project has been fully executed.. The agreement calls for an immediate suspension.</p> <p>The distribution list for the Transmission Function employee's weekly reports was corrected immediately after the error was discovered.</p> |
| 5  | <p>October 20, 2006: A Shared employee sent out a weekly activities report of recent and upcoming FERC regulatory matters to their usual distribution, which included several Wholesale Merchant Function employees. The report on 10/20/06 contained the following transmission information:</p> <p><b>Proposed OATT Revisions to clarify Network Transmission rights across Lamar DC tie:</b><br/>Finalized filing approach which clarifies that Network customers have access to all operating company systems for a single rate as consistent with Service Schedule E of Xcel Energy Operating Companies' Joint Operating Agreement which governs transactions between SPS and PSCo across the tie line.</p> <p>The employee was immediately reminded of the SOC No Conduit Rule, and the employee's future weekly reports will exclude non-public information on pending Xcel Energy transmission rate/tariff matters.</p>   |
| 6. | <p>January 29, 2007: A Wholesale Merchant Function employee inadvertently accessed a general Transmission webpage on Xcel's intranet, due to a minor glitch in IT security. The employee only accessed the main Transmission webpage, which does not contain any sensitive transmission information. The problem has been corrected.</p>  |
| 7  | <p>February 13, 2007: On Feb. 12, 2007, a Wholesale Merchant Function employee was inadvertently copied on a communication regarding the details of line clearances and outages relating to a new substation going into service. Upon discovery, the information was posted today on OASIS at this link:<br/><a href="http://www.oatioasis.com/psco/index.html">http://www.oatioasis.com/psco/index.html</a></p>  |
| 8  | <p>On September 11, 2007, Public Service Company of Colorado discovered that as-built line drawings of transmission system switching maps were located on application servers in shared folders that could potentially be accessed by wholesale merchant function (WMF) employees of PSCo if the WMF personnel had the specialized software necessary to read the diagrams. The files are of no commercial value to the WMF employees. As of September 14, 2007, access to the folders has been restricted to prevent WMF employee access.</p>  |
| 9  | <p>May 9, 2008 – On May 8, 2008 the following information was inadvertently distributed by email to Xcel Energy WMF employees as part of a weekly report by regulatory employee. Please note that the PSCo</p>  |

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|    | <p>transmission formula rate calculations discussed are preliminary and are being refined. PSCo will post the final PSCo transmission formula rate calculations on or before May 15, 2008.</p> <p>PSCo Formula Transmission Rate Update:<br/>The calculations have been completed for this rate update, which will be effective June 1. The new PSCo system transmission rate is essentially the same as the current rate (\$1.54 per kw-mo.), as load growth offset our increased revenue requirement, resulting in a very small decrease (.3 cents) in the unit rate.</p>  |
| 10 | <p>On September 18, 2008, the PSCo Transmission Function conducted a conference call with the Xcel Energy wholesale merchant function to discuss the scheduled outage of the Lamar HVDC converter. (The outage schedule is posted on OASIS, and a notice of the conference call was similarly posted on OASIS.) During the conference call, the following information was disclosed:</p> <p>The Lamar HVDC tie will be unavailable due to maintenance and testing. The outage is necessary to replace a component of the HVDC converter. During the outage, it will not be possible to place the HVDC converter and Tie Line to Southwestern Public Service Company (SPS) in service temporarily, even in the event of an emergency condition on the PSCo or SPS systems.</p> <p>PSCo considers this information reliability information, but is making this contemporaneous disclosure to facilitate comparable information access.</p>   |
| 11 | <p>On March 17, 2010, the PSCo Transmission Function participated in a meeting to discuss three finalists in the photovoltaic (PV) generation pool from the PSCo All Source RFP. The generation selected from the PV finalist(s) would serve PSCo native load. The Transmission Function prepared a draft special study that included these three PV projects. The PSCo Resource Planning function invited a PSCo Wholesale Merchant Function employee to address geographic diversity and related issues associated with the PV projects congregated in similar locations. During the course of the meeting, the following non-public transmission information was inadvertently disclosed to the PSCo Merchant Function: the existing MVA line rating for an approximately 6-mile long segment of the existing 69kV transmission line, as listed in the Special Study Report; and that there is one open position available at the San Luis Valley 115 kV substation and a 25 MVA limit at the Alamosa 115/69 kV transformer.</p> <p>In addition to this contemporaneous disclosure, the draft Special Study Report - 2009 PSCo Solar RFP dated March 10, 2010 is also posted on the PSCo Transmission Internet Website (<a href="http://www.oatiaoasis.com/PSCO/">http://www.oatiaoasis.com/PSCO/</a>).</p> |
| 12 | <p>On Tuesday, 5/31 an employee inadvertently emailed a wholesale merchant function employee that the transmission upgrade from Keenesburg to Green Valley is estimated to be completed by Thursday, 6/9/11. The wholesale merchant function employee read this email on Wednesday, 6/1. This information was posted on OASIS on Thursday, 6/2.</p>  |
| 13 | <p>On June 2, 2011, an employee inadvertently emailed a WMF employee the following non-public transmission function information: a two week outage will occur this September at the Alamosa Terminal Sub to replace some ELR relaying and installing wave trap, line tuner and communication equipment. This information was posted on OASIS on June 3, 2011.</p>  |
| 14 | <p>On April 11, 2012, a non-transmission employee inadvertently emailed a WMF employee the following potentially non-public transmission function information in response to a question about why the output of two non-affiliated wind farms has been curtailed:</p> <p>Last month, the Comanche-Boone 230 kV line was being reconductored. This opened the 230 kV ring bus at Boone which provided a connection of the line to Lamar DC/Wind directly to the Midway-Boone 230 kV line and indirectly to the Boone 230/115 kV auto. A subsequent loss of the Midway-Boone line would have broken the connection to the auto. That would have meant that all the power coming from the DC and Wind would have had to flow through the 100 MVA auto at Lamar. That would have likely resulted in loss of the all of the loads for the City of Lamar, Springfield and surrounding area if the DC and Wind was running above 100 MVA.</p>   |

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|    | <p>The Boone ring was closed after disconnecting the Comanche line jumpers. This allowed the transmission to be firm up to 150 MW (the Boone auto rating is 150 MVA) with the loss of the Midway-Boone line. The loss of the Boone-Lamar 230 kV line would have removed the DC and Wind and still left the Lamar/Springfield area with a good 115 kV source from Boone.</p> <p>The Comanche-Boone line outage and the 150 MW limit was posted on OASIS. The wind curtailments would have occurred only when the wind generation was exceeding the limit, PSCo was importing power into Colorado through the Lamar DC tie, or a combination of both.</p>   |
| 15 | <p>On October 27, 2015, an Xcel Energy Merchant Function employee was copied on an email that contained Public Service Company of Colorado ("PSCo") transmission outage information prior to the outage being posted on the PSCo OASIS site. Specifically the email contained the following: "The Ridge 230/115kV transformer outage got pushed to Friday." The outage was posted on the PSCo OASIS shortly thereafter. The Manager of Real Time Planning, a Transmission Function employee, noticed the error and contacted the Xcel Energy Standards of Conduct chief compliance officer regarding the inadvertent disclosure.</p>  |
| 16 | <p>On November 29, 2017, a PSCo Transmission Function employee forwarded an email containing the identity of a generation interconnection requestor to several Xcel Energy employees, including two Xcel Energy Merchant Function employees. The Merchant Function employees were promptly directed by the Director of Federal Regulatory Affairs to delete the email, and not forward the email. The Merchant Function employees confirmed to the Xcel Energy Standards of Conduct chief compliance officer that they deleted the email. One of the Merchant Function employees confirmed that he had not read the email. The Transmission Function employee received a verbal reminder from Compliance personnel regarding the requirements of the Standards of Conduct rules.</p>  |
| 17 | <p>On February 28, 2018, it was discovered that two Xcel Energy Services Inc. employees classified as Marketing Function employees had authorized access to two Xcel Energy computer applications that contain non-public transmission function information. The two employees had been granted access to the computer applications while in previous, non-Marketing Function positions, and access had not been removed when the employees transferred to their Marketing Function roles. Once discovered, access to the computer applications for one employee was promptly removed. Access for the other employee was inadvertently not removed until May 2, 2018. Both employees confirmed that they did not access the computer applications after they became Marketing Function employees. XES believes no non-public transmission function information was accessed after the two employees moved into a Marketing Function role, and no non-public transmission function information was shared with or accessed by Marketing Function employees. XES is posting this disclosure out of an abundance of caution.</p>   |
| 18 | <p>On July 11, 2018, an Xcel Energy Merchant Function employee inadvertently accessed an EMS display screen that contained non-public transmission information regarding real time flows on certain transmission facilities. The Wholesale Merchant Function employee had been granted view only privileges to the EMS screen in error on May 10, 2018, but had not previously accessed the specific EMS screen. Once the employee realized the screen contained non-public transmission information, the employee exited the EMS screen and notified Xcel Energy management and information technology personnel. The employee's access to the EMS screen was removed on July 13, 2018. The Merchant Function employee confirmed that no action was taken as a result of viewing the non-public transmission information.</p> <p>In response to the event described above, Xcel Energy performed an audit of individuals with access to EMS displays that contained non-public transmission information. The audit revealed that seven Xcel Energy Merchant Function employees had access to such EMS displays. On August 3, 2018, access for the seven employees was removed. Xcel Energy has found no evidence that any of the seven employees ever accessed the displays containing non-public transmission information. In order to prevent future incorrect access to EMS displays, Xcel Energy implemented a more rigorous process for obtaining EMS access, including a check of the employee's FERC ID, which indicates if the employee is a Merchant Function employee.</p> |
| 19 | <p>On January 23, 2019, it was discovered that a new Xcel Energy Services Inc. employee classified as a Marketing Function employee had been inadvertently granted access to an Xcel Energy computer application that contains non-public transmission function information. The employee was granted access to the portion of a computer application containing non-public transmission information at approximately 9:00 a.m. MST. The Marketing Function employee accessed the system about 9:10 a.m. MST, immediately notified the application manager that the employee was able to view transmission information,</p>   |

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|    | and closed the application. Access was removed at 9:12 a.m. MST. XES believes no non-public transmission function information was shared with or accessed by any other Marketing Function employees. XES is posting this disclosure out of an abundance of caution.   |
| 20 | On Friday, November 9, 2018, a restricted folder containing certain Non-Public Transmission Information was incorrectly archived to an electronic file location on a shared drive that did not have the proper folder access restrictions assigned. The archive folder was accessible by any employee. The following Monday, November 12, 2018, an analyst discovered the error and requested that the permissions for the folder be changed. On November 15, 2018, the permissions for the archived folder were modified to limit access to the folder to Transmission Function employees. There is no evidence that Merchant Function employees accessed the Non-Public Transmission Information while the proper access restrictions were not in place. This posting is being made out of an abundance of caution.   |
| 21 | On September 3, 2019, a Public Service Company of Colorado Merchant Function employee received an email from a non-Merchant Function employee disclosing that the critical peak load limit of a transformer at Steamboat Substation was 68 MVA. The email also provided the number of hours on certain dates from 2017 and 2019 that the 68 MVA limit was exceeded. The employee was reminded of the requirement to not provide Non-Public Transmission Information to Merchant Function employees  |
| 22 | <p>On September 20, 2019, a Public Service Company of Colorado Merchant Function employee received an email from an outage coordination distribution list managed by Transmission Function employees which revealed the following information:</p> <p><b>Start Date/Time:</b> <del>10/1/2019</del> 09/26/1907:00<br/><b>End Date/Time:</b> <del>11/8/2019</del> 10/27/1917:00<br/><b>Duration:</b> 38 Day(s) and 10:00 Hour(s)<br/><b>Equipment:</b> 3014 Collbran - Ute Rifle 138kV line<br/><b>Working type:</b> Clearance<br/><b>Emergency Restoration:</b> 8-24hrs<br/><b>Points of Clearance:</b> Collbran - Ute Rifle<br/><b>Work to be performed:</b> Structure replacements<br/><b>Notes/Remarks:</b></p> <p>The Merchant Function employee was removed from the distribution list and the outage information was publicly posted on PSCo's OASIS site</p>  |
| 23 | <p>On February 13, 2020, an Xcel Energy Services employee forwarded an email conversation to a Merchant Function employee which revealed the following information:</p> <p><b>Transmission Project Manager:</b> "Harvest Mile Cap Banks is 6/30, Missile Cap Banks ISD is 8/30, the Daniels Park Cap Banks and the STATCOM ISD is 12/1, and the AVSO will be [in service] in the fall [2020] sometime but the exact ISD is not confirmed yet."</p> <p><b>Real Time Planning Engineer:</b> "Without these elements, we likely will not be able to accommodate anywhere near full output for all the facilities along the gen tie [Missile to Pronghorn]."</p>  |
| 24 | <p>On October 26, 2020, a Public Services Company of Colorado employee forwarded an email conversation to a Merchant Function employee which revealed the following information:</p> <p>Outage Summary:</p> <ul style="list-style-type: none"><li>• This morning October 26<sup>th</sup> at 09:28, 115 kV transmission lines 9724, 9726, and 9725 at Basalt Substation tripped offline. This is potentially due to a 115 kV bus fault at the substation. Communication is also lost at the substation causing limited incoming data on the situation.</li></ul> <p>Next Steps:</p> <ul style="list-style-type: none"><li>• Substation crew is enroute and ETA is 1 hour. Weather in the area poor as snow continues and impacting driving conditions.</li></ul> <p>Risks/Contingency:</p> <ul style="list-style-type: none"><li>• Approximately 75MW of loss associated with this event and 26,000 customers impacted.</li></ul> <p>Next update will follow at 12 pm.</p> |

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- 25 On January 11, 2021, an Xcel Energy Services employee forwarded an email conversation to a Merchant Function employee which revealed the following information:

**New Line Rating Changes**

| FACILITY DESIGNATION | LINE NAME | FROM SUB                            | FROM SUB OWNER | TO SUB                  | TO SUB OWNER | FROM PSSE | TO PSSE | FACILITY OWNERSHIP | LIFECYCLE STATUS | VALIDATION STATUS | DATE VALIDATED        | SN (AMPS) | SE (AMPS) | WN (AMPS) | WE (AMPS) | SN (MVA) | SE (MVA) | WN (MVA) | WE (MVA) |
|----------------------|-----------|-------------------------------------|----------------|-------------------------|--------------|-----------|---------|--------------------|------------------|-------------------|-----------------------|-----------|-----------|-----------|-----------|----------|----------|----------|----------|
| HMIL-SMOK-345.0-1    | 7081      | HARVEST MILE                        | XCEL           | SMOKY HILL SUBSTATION   | XCEL         | 70597     | 70599   | Xcel Owned         | AS BUILT         | VALID             | 1/6/2021 5:01:23 PM   | 2832      | 2970      | 3136      | 3136      | 1692     | 1775     | 1874     | 1874     |
| QUIN-SMOK-230.0-1    | 5165      | QUINCY SUBSTATION                   | XCEL           | SMOKY HILL SUBSTATION   | XCEL         | 70343     | 70396   | Xcel Owned         | AS BUILT         | VALID             | 1/6/2021 1:01:35 PM   | 1904      | 1980      | 2091      | 2091      | 759      | 789      | 833      | 833      |
| HMIL-SMOK-230.0-1    | 5179      | HARVEST MILE                        | XCEL           | SMOKY HILL SUBSTATION   | XCEL         | 70596     | 70396   | Xcel Owned         | AS BUILT         | VALID             | 1/6/2021 1:01:16 PM   | 2858      | 2880      | 2880      | 2880      | 1138     | 1147     | 1147     | 1147     |
| MEAD-SMOK-230.0-1    | 5169      | MEADOW HILLS SUBSTATION             | XCEL           | SMOKY HILL SUBSTATION   | XCEL         | 70283     | 70396   | Xcel Owned         | AS BUILT         | VALID             | 1/6/2021 1:00:46 PM   | 1417      | 1558      | 1615      | 1673      | 564      | 621      | 643      | 666      |
| ALMA-BREC-230.0-1    | 5487      | ALMA SUBSTATION                     | XCEL           | BRECKENRIDGE SUBSTATION | XCEL         | 70032     | 70064   | Xcel Owned         | AS BUILT         | VALID             | 1/5/2021 1:16:46 PM   | 1783      | 2000      | 2000      | 2000      | 710      | 797      | 797      | 797      |
| DANI-PRAI-230.0-1    | 5111      | DANIELS PARK 115 & 230KV SUBSTATION | XCEL           | PRAIRIE SUBSTATION      | XCEL         | 70139     | 70323   | Xcel Owned         | AS BUILT         | VALID             | 12/21/2020 9:24:00 AM | 1409      | 1550      | 1600      | 1600      | 562      | 618      | 637      | 637      |

**New Transformer Rating Changes**

None

**All Line Ratings Changes Since Last FAC-008 Publication**

| FACILITY DESIGNATION  | LINE NAME | FROM SUB                            | FROM SUB OWNER | TO SUB                        | TO SUB OWNER | FROM PSSE | TO PSSE | FACILITY OWNERSHIP | LIFECYCLE STATUS | VALIDATION STATUS | DATE VALIDATED         | SN (AMPS) | SE (AMPS) | WN (AMPS) | WE (AMPS) | SN (MVA) | SE (MVA) | WN (MVA) | WE (MVA) |
|-----------------------|-----------|-------------------------------------|----------------|-------------------------------|--------------|-----------|---------|--------------------|------------------|-------------------|------------------------|-----------|-----------|-----------|-----------|----------|----------|----------|----------|
| HMIL-SMOK-345.0-1     | 7081      | HARVEST MILE                        | XCEL           | SMOKY HILL SUBSTATION         | XCEL         | 70597     | 70599   | Xcel Owned         | AS BUILT         | VALID             | 1/6/2021 5:01:23 PM    | 2832      | 2970      | 3136      | 3136      | 1692     | 1775     | 1874     | 1874     |
| QUIN-SMOK-230.0-1     | 5165      | QUINCY SUBSTATION                   | XCEL           | SMOKY HILL SUBSTATION         | XCEL         | 70343     | 70396   | Xcel Owned         | AS BUILT         | VALID             | 1/6/2021 1:01:35 PM    | 1904      | 1980      | 2091      | 2091      | 759      | 789      | 833      | 833      |
| HMIL-SMOK-230.0-1     | 5179      | HARVEST MILE                        | XCEL           | SMOKY HILL SUBSTATION         | XCEL         | 70596     | 70396   | Xcel Owned         | AS BUILT         | VALID             | 1/6/2021 1:01:16 PM    | 2858      | 2880      | 2880      | 2880      | 1138     | 1147     | 1147     | 1147     |
| MEAD-SMOK-230.0-1     | 5169      | MEADOW HILLS SUBSTATION             | XCEL           | SMOKY HILL SUBSTATION         | XCEL         | 70283     | 70396   | Xcel Owned         | AS BUILT         | VALID             | 1/6/2021 1:00:46 PM    | 1417      | 1558      | 1615      | 1673      | 564      | 621      | 643      | 666      |
| ALMA-BREC-230.0-1     | 5487      | ALMA SUBSTATION                     | XCEL           | BRECKENRIDGE SUBSTATION       | XCEL         | 70032     | 70064   | Xcel Owned         | AS BUILT         | VALID             | 1/5/2021 1:16:46 PM    | 1783      | 2000      | 2000      | 2000      | 710      | 797      | 797      | 797      |
| DANI-PRAI-230.0-1     | 5111      | DANIELS PARK 115 & 230KV SUBSTATION | XCEL           | PRAIRIE SUBSTATION            | XCEL         | 70139     | 70323   | Xcel Owned         | AS BUILT         | VALID             | 12/21/2020 9:24:00 AM  | 1409      | 1550      | 1600      | 1600      | 562      | 618      | 637      | 637      |
| RIDG-ARVA-230.0-1     | 5067      | RIDGE SUBSTATION                    | XCEL           | ARVADA SUBSTATION             | XCEL         | 70355     | 70041   | Xcel Owned         | AS BUILT         | VALID             | 11/23/2020 1:15:12 PM  | 1200      | 1397      | 1447      | 1592      | 478      | 557      | 576      | 634      |
| CLIM-LEAD_TP1-115.0-1 | 9254      | CLIMAX SUBSTATION                   | XCEL           | LEADVILLE TAP 1               | XCEL         | 70114     | 2114    | Xcel Owned         | AS BUILT         | VALID             | 11/18/2020 7:38:23 AM  | 284       | 284       | 334       | 334       | 57       | 57       | 67       | 67       |
| SLVA-SARG-115.0-1     | 9811      | SAN LUIS VALLEY SUBSTATION          | XCEL           | SARGENT SUBSTATION            | XCEL         | 70374     | 70379   | Xcel Owned         | AS BUILT         | VALID             | 11/12/2020 10:19:10 AM | 814       | 895       | 893       | 982       | 162      | 178      | 178      | 196      |
| DANI-HMIL-345.0-1     | 7153      | DANIELS PARK 115 & 230KV SUBSTATION | XCEL           | HARVEST MILE                  | XCEL         | 70601     | 70597   | Xcel Owned         | AS BUILT         | VALID             | 11/2/2020 7:35:39 AM   | 2371      | 2780      | 2833      | 3169      | 1417     | 1661     | 1693     | 1894     |
| FLUP-JLGR-230.0-1     | 5183      | FORT LUPTON SUBSTATION              | XCEL           | J. L. Green                   | FOREIGN      | 70192     | 70529   | Xcel Owned         | AS BUILT         | VALID             | 10/28/2020 7:34:47 AM  | 1223      | 1430      | 1461      | 1627      | 487      | 570      | 582      | 648      |
| PAWN-MSST-230.0-1     | 5457      | PAWNEE 345KV                        | XCEL           | MISSILE SITE                  | XCEL         | 70311     | 70623   | Xcel Owned         | AS BUILT         | VALID             | 10/27/2020 8:16:01 AM  | 1855      | 2000      | 2000      | 2000      | 739      | 797      | 797      | 797      |
| MSST-PAWN-345.0-1     | 7091      | MISSILE SITE                        | XCEL           | PAWNEE 345KV                  | XCEL         | 70624     | 70598   | Xcel Owned         | AS BUILT         | VALID             | 10/27/2020 8:15:52 AM  | 2821      | 3000      | 3000      | 3000      | 1686     | 1793     | 1793     | 1793     |
| PALM-MONU-115.0-1     | 9605      | PALMER LAKE SUBSTATION              | XCEL           | Monument TRI STATE            | FOREIGN      | 70308     | 73414   | Jointly Owned      | AS BUILT         | VALID             | 10/22/2020 12:30:34 PM | 759       | 813       | 798       | 813       | 151      | 162      | 159      | 162      |
| PARA_TP-PARA-230.0-1  | 5503      | PARACHUTE TAP                       | XCEL           | PARACHUTE SUBSTATION          | XCEL         | 2143      | 70309   | Xcel Owned         | AS BUILT         | VALID             | 10/20/2020 10:00:56 AM | 1200      | 1200      | 1200      | 1200      | 478      | 478      | 478      | 478      |
| PARA-RIFL-230.0-1     | 5205      | PARACHUTE SUBSTATION                | XCEL           | RIFLE 230KV SUBSTATION (PSCO) | XCEL         | 70309     | 70358   | Xcel Owned         | AS BUILT         | VALID             | 10/20/2020 10:00:47 AM | 1085      | 1188      | 1200      | 1200      | 432      | 473      | 478      | 478      |
| CAME-PARA-230.0-1     | 5509      | CAMEO SUBSTATION                    | XCEL           | PARACHUTE SUBSTATION          | XCEL         | 70078     | 70309   | Xcel Owned         | AS BUILT         | VALID             | 10/20/2020 10:00:36 AM | 996       | 996       | 996       | 996       | 397      | 397      | 397      | 397      |
| FLUP-FSVR-230.0-1     | 5311      | FORT LUPTON SUBSTATION              | XCEL           | FORT SAINT VRAIN SWITCHYARD   | XCEL         | 70192     | 70410   | Xcel Owned         | AS BUILT         | VALID             | 10/20/2020 9:59:47 AM  | 1200      | 1200      | 1200      | 1200      | 478      | 478      | 478      | 478      |

**VERSION 027**

**Date Posted: 12/16/2024**

|  |                      |      |                                |         |                                |         |       |       |               |          |       |                       |      |      |      |      |     |      |      |      |
|--|----------------------|------|--------------------------------|---------|--------------------------------|---------|-------|-------|---------------|----------|-------|-----------------------|------|------|------|------|-----|------|------|------|
|  | HAVA-CHAM-115.0-2    | 9543 | HAVANA SUBSTATION              | XCEL    | CHAMBERS SUBSTATION            | XCEL    | 70217 | 70538 | Xcel Owned    | AS BUILT | VALID | 10/19/2020 3:37:07 PM | 798  | 878  | 908  | 998  | 159 | 175  | 181  | 199  |
|  | LAF-VALM-115.0-1     | 9481 | LAFAYETTE SUBSTATION           | XCEL    | VALMONT SWITCHYARD SUBSTATION  | XCEL    | 70244 | 70444 | Xcel Owned    | AS BUILT | VALID | 10/9/2020 1:57:51 PM  | 799  | 879  | 909  | 999  | 159 | 175  | 181  | 199  |
|  | HAGE_TP-MALT-230.0-1 | 5245 | HAGERMAN PASS TAP              | XCEL    | MALTA SUBSTATION               | XCEL    | 2053  | 70274 | Xcel Owned    | AS BUILT | VALID | 10/8/2020 11:32:04 AM | 1037 | 1214 | 1244 | 1384 | 413 | 484  | 496  | 551  |
|  | MALT-HARS-230.0-1    | 5145 | MALTA SUBSTATION               | XCEL    | HARTSEL (IREA)                 | XCEL    | 70274 | 70927 | Xcel Owned    | AS BUILT | VALID | 10/7/2020 1:42:03 PM  | 1037 | 1188 | 1244 | 1255 | 413 | 473  | 496  | 500  |
|  | ALMA-MALT-230.0-1    | 5487 | ALMA SUBSTATION                | XCEL    | MALTA SUBSTATION               | XCEL    | 70032 | 70274 | Xcel Owned    | AS BUILT | VALID | 10/7/2020 1:41:53 PM  | 1037 | 1215 | 1244 | 1387 | 413 | 484  | 496  | 553  |
|  | WOOD-DIVI-115.0-1    | 8455 | WOODLAND PARK SUBSTATION       | XCEL    | DIVIDE SUBSTATION              | XCEL    | 70476 | 70157 | Xcel Owned    | AS BUILT | VALID | 10/1/2020 4:41:35 PM  | 600  | 600  | 600  | 600  | 120 | 120  | 120  | 120  |
|  | CHER-DERB_TP-115.0-1 | 9543 | CHEROKEE SWITCHYARD SUBSTATION | XCEL    | DERBY TAP                      | XCEL    | 70110 | 70153 | Xcel Owned    | AS BUILT | VALID | 10/1/2020 11:12:18 AM | 800  | 880  | 909  | 1000 | 159 | 175  | 181  | 199  |
|  | QUIN-BRIC-230.0-1    | 5165 | QUINCY SUBSTATION              | XCEL    | BRICK CENTER                   | XCEL    | 70343 | 70545 | Xcel Owned    | AS BUILT | VALID | 10/1/2020 8:08:20 AM  | 1980 | 1980 | 2091 | 2091 | 789 | 789  | 833  | 833  |
|  | LEGG-PLEN-230.0-1    | 5633 | LEGGETT SUBSTATION             | XCEL    | PLAINS END SWITCHING STATION   | XCEL    | 70261 | 70570 | Xcel Owned    | AS BUILT | VALID | 10/1/2020 8:05:56 AM  | 1188 | 1188 | 1200 | 1200 | 473 | 473  | 478  | 478  |
|  | TARR-HARS-230.0-1    | 5995 | TARRYALL SUBSTATION            | XCEL    | HARTSEL (IREA)                 | XCEL    | 70427 | 70927 | Xcel Owned    | AS BUILT | VALID | 9/18/2020 8:05:30 AM  | 1000 | 1000 | 1000 | 1000 | 398 | 398  | 398  | 398  |
|  | TARR-WATE-230.0-1    | 5803 | TARRYALL SUBSTATION            | XCEL    | WATERTON SUBSTATION            | XCEL    | 70427 | 70464 | Xcel Owned    | AS BUILT | VALID | 9/17/2020 2:38:07 PM  | 1175 | 1188 | 1255 | 1255 | 468 | 473  | 500  | 500  |
|  | DTER-LACO-230.0-1    | 5627 | DENVER TERMINAL SUBSTATION     | XCEL    | LACOMBE SUBSTATION             | XCEL    | 70149 | 70324 | Xcel Owned    | AS BUILT | VALID | 9/16/2020 3:58:44 PM  | 1220 | 1427 | 1457 | 1626 | 486 | 568  | 581  | 648  |
|  | DTER-WEST-230.0-1    | 5629 | DENVER TERMINAL SUBSTATION     | XCEL    | WEST SUBSTATION                | XCEL    | 70149 | 70480 | Xcel Owned    | AS BUILT | VALID | 9/16/2020 3:58:36 PM  | 1220 | 1427 | 1457 | 1600 | 486 | 568  | 581  | 637  |
|  | WASH-JLGR-230.0-1    | 5527 | WASHINGTON SUBSTATION          | XCEL    | J. L. Green                    | FOREIGN | 70461 | 70529 | Xcel Owned    | AS BUILT | VALID | 9/14/2020 1:20:02 PM  | 1447 | 1591 | 1599 | 1600 | 576 | 634  | 637  | 637  |
|  | HOST-MURP-230.0-1    | 5163 | HOMESTEAD SUBSTATION           | XCEL    | MURPHY CREEK SUBSTATION        | XCEL    | 70513 | 70551 | Xcel Owned    | AS BUILT | VALID | 9/1/2020 11:34:50 AM  | 1860 | 1918 | 1918 | 1918 | 741 | 764  | 764  | 764  |
|  | HOST-SULP-230.0-1    | 5163 | HOMESTEAD SUBSTATION           | XCEL    | SULPHUR SUBSTATION             | XCEL    | 70513 | 70524 | Xcel Owned    | AS BUILT | VALID | 9/1/2020 11:09:35 AM  | 1860 | 2000 | 2000 | 2000 | 741 | 797  | 797  | 797  |
|  | CCCB_TP-CCCB-230.0-1 | 5967 | CEDAR CREEK CAP BANK           | FOREIGN | Cedar Creek Cap Bank           | FOREIGN | 70821 | 2123  | Jointly Owned | AS BUILT | VALID | 9/1/2020 10:58:19 AM  | 2412 | 2654 | 2750 | 3026 | 961 | 1057 | 1096 | 1206 |
|  | CCCB_TP-KEEN-230.0-1 | 5967 | CEDAR CREEK CAP BANK           | FOREIGN | KEENESBURG SUBSTATION          | XCEL    | 70821 | 70820 | Jointly Owned | AS BUILT | VALID | 9/1/2020 10:57:25 AM  | 2000 | 2000 | 2080 | 2080 | 797 | 797  | 829  | 829  |
|  | CHER_TP-CHER-115.0-1 | 9413 | CHEROKEE SW YARD               | XCEL    | CHEROKEE SWITCHYARD SUBSTATION | XCEL    | 2112  | 70108 | Xcel Owned    | AS BUILT | VALID | 8/27/2020 10:51:56 AM | 1200 | 1200 | 1200 | 1200 | 239 | 239  | 239  | 239  |
|  | CHER-MAPL-115.0-2    | 9547 | CHEROKEE SWITCHYARD SUBSTATION | XCEL    | MAPLETON SUBSTATION            | XCEL    | 70108 | 70277 | Xcel Owned    | AS BUILT | VALID | 8/27/2020 10:51:45 AM | 1200 | 1200 | 1200 | 1200 | 239 | 239  | 239  | 239  |
|  | CHER-GLEN-230.0-1    | 5527 | CHEROKEE SWITCHYARD SUBSTATION | XCEL    | GLENN SUBSTATION               | XCEL    | 70107 | 70200 | Xcel Owned    | AS BUILT | VALID | 8/27/2020 10:51:31 AM | 1220 | 1427 | 1458 | 1600 | 486 | 569  | 581  | 637  |
|  | ARVA-CHER-230.0-1    | 5067 | ARVADA SUBSTATION              | XCEL    | CHEROKEE SWITCHYARD SUBSTATION | XCEL    | 70041 | 70107 | Xcel Owned    | AS BUILT | VALID | 8/27/2020 10:51:21 AM | 1091 | 1200 | 1200 | 1200 | 435 | 478  | 478  | 478  |
|  | CHER-LACO-230.0-1    | 5057 | CHEROKEE SWITCHYARD SUBSTATION | XCEL    | LACOMBE SUBSTATION             | XCEL    | 70107 | 70324 | Xcel Owned    | AS BUILT | VALID | 8/27/2020 10:51:12 AM | 1091 | 1271 | 1303 | 1448 | 435 | 506  | 519  | 577  |
|  | CHER-SISA-230.0-1    | 5055 | CHEROKEE SWITCHYARD SUBSTATION | XCEL    | SILVER SADDLE SUBSTATION       | XCEL    | 70107 | 70609 | Xcel Owned    | AS BUILT | VALID | 8/27/2020 10:50:59 AM | 1200 | 1200 | 1200 | 1200 | 478 | 478  | 478  | 478  |
|  | CHER-RIVE-230.0-1    | 5309 | CHEROKEE SWITCHYARD SUBSTATION | XCEL    | RIVERDALE SUBSTATION           | XCEL    | 70107 | 70362 | Xcel Owned    | AS BUILT | VALID | 8/27/2020 10:50:46 AM | 1200 | 1200 | 1200 | 1200 | 478 | 478  | 478  | 478  |
|  | BARR-GRVL-230.0-1    | 5759 | BARR LAKE SUBSTATION           | XCEL    | GREEN VALLEY SUBSTATION        | XCEL    | 70047 | 70048 | Xcel Owned    | AS BUILT | VALID | 8/27/2020 7:50:19 AM  | 1200 | 1200 | 1200 | 1200 | 478 | 478  | 478  | 478  |
|  | BARR-REUN-230.0-1    | 5875 | BARR LAKE SUBSTATION           | XCEL    | Reunion (Tri State)            | FOREIGN | 70047 | 70610 | Xcel Owned    | AS BUILT | VALID | 8/27/2020 7:50:13 AM  | 1200 | 1200 | 1200 | 1200 | 478 | 478  | 478  | 478  |
|  | JEWE-LEET-230.0-1    | 5285 | JEWEEL SUBSTATION              | XCEL    | LEETSDALE SUBSTATION           | XCEL    | 70239 | 70260 | Xcel Owned    | AS BUILT | VALID | 8/27/2020 7:48:57 AM  | 1217 | 1393 | 1440 | 1440 | 485 | 555  | 574  | 574  |



All Transformer Ratings Changes Since Last FAC-008 Publication

| FACILITY DESIGNATION          | SUBSTATION                     | LIFECYCLE STATUS | VALIDATION STATUS | DATE VALIDATED         | SN (MVA) | SE 8hr (MVA) | SE 4hr (MVA) | SE 2hr (MVA) | SE 30min (MVA) | WN (MVA) | WE 8hr (MVA) | WE 4hr (MVA) | WE 2hr (MVA) | WE 30min (MVA) |
|-------------------------------|--------------------------------|------------------|-------------------|------------------------|----------|--------------|--------------|--------------|----------------|----------|--------------|--------------|--------------|----------------|
| PAWN-TR03-345.0-230.0-13.8-HX | PAWNEE 345KV                   | AS BUILT         | VALID             | 10/22/2020 12:37:14 PM | 560      | 644          | 672          | 700          | 756            | 616      | 700          | 728          | 756          | 797            |
| PAWN-TR02-345.0-230.0-13.8-HX | PAWNEE 345KV                   | AS BUILT         | VALID             | 10/22/2020 12:37:03 PM | 560      | 644          | 672          | 700          | 756            | 616      | 700          | 728          | 756          | 797            |
| CHAM-TR02-230.0-115.0-13.8-HX | CHAMBERS SUBSTATION            | AS BUILT         | VALID             | 10/19/2020 3:38:15 PM  | 280      | 319          | 319          | 319          | 319            | 308      | 319          | 319          | 319          | 319            |
| CHAM-TR01-230.0-115.0-13.8-HX | CHAMBERS SUBSTATION            | AS BUILT         | VALID             | 10/19/2020 9:03:04 AM  | 280      | 319          | 319          | 319          | 319            | 308      | 319          | 319          | 319          | 319            |
| MIDW-TR01-230.0-115.0-13.8-HX | MIDWAY SUBSTATION              | AS BUILT         | VALID             | 9/16/2020 4:08:22 PM   | 97       | 97           | 111          | 120          | 120            | 116      | 116          | 120          | 120          | 120            |
| MIDW-TR03-345.0-230.0-13.8-HX | MIDWAY SUBSTATION              | AS BUILT         | VALID             | 9/16/2020 4:08:10 PM   | 560      | 644          | 672          | 700          | 756            | 616      | 700          | 728          | 756          | 797            |
| CHER-TR01-230.0-115.0-13.8-HX | CHEROKEE SWITCHYARD SUBSTATION | AS BUILT         | VALID             | 8/27/2020 10:52:13 AM  | 280      | 280          | 317          | 317          | 317            | 308      | 308          | 350          | 361          | 361            |

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On April 7, 2021, it was discovered that an Xcel Energy Services Inc. employee classified as a Marketing Function employee had unauthorized access to nine Xcel Energy computer applications that contain non-public transmission function information. The employee had been granted access to the computer applications while in a previous, non-Marketing Function, position and access was not removed when the employee transferred to the Marketing Function role on April 1, 2021. Once the compliance team discovered this unauthorized access the applications were removed immediately. The Marketing Function employee has confirmed that he did not access the computer applications after becoming a Marketing Function employee. Further, during this brief 7-day window the employee was in training and not trading. XES believes no non-public transmission function information was accessed after the employee moved into a Marketing Function role and no non-public transmission function information was shared with or accessed by other Marketing Function employees. XES is posting this disclosure out of an abundance of caution.

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On May 12, 2022, a presentation regarding a nomogram showing incremental levels of TTC between two ATC paths with Cherokee generation at two different levels was provided to a WMF employee. The employee did not review the presentation, has deleted it from his email, and did not forward the presentation. This presentation was posted on OASIS on April 16 at 12:35 p.m. and then removed the same day at 3:57 p.m.

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On August 9, 2022, a document was emailed to a merchant function employee that contained screenshots showing the PSCo Balancing Authority obligation load, including some information regarding transmission customer load and interchange. The screenshots were taken some time before June 1, 2022. The merchant function employee did not open the spreadsheet; therefore, no transmission function information was consumed by merchant personnel.