

September 30, 2022

Via Electronic Filing

The Honorable Kimberly D. Bose
Secretary
Federal Energy Regulatory Commission
888 First Street, N.E.
Washington, DC 20426

**Re: Mid-Atlantic Interstate Transmission, LLC – Filing of Revised Operating
and Interconnection Service Agreement with Pennsylvania Electric
Company in Docket No. ER22-____-000**

Dear Secretary Bose:

Pursuant to Section 205 of the Federal Power Act (“FPA”)¹ and Part 35 of the Federal Energy Regulatory Commission’s (“Commission’s”) Rules of Practice and Procedure,² Mid-Atlantic Interstate Transmission, LLC (“MAIT” or the “Applicant”), a transmission owning member of PJM Interconnection, L.L.C. (“PJM”), hereby submits for filing a revised Operating and Interconnection Service Agreement³ (the “Service Agreement” or “SA No. 4578”) described in more detail herein.⁴

I. Description of the Applicant and Background

MAIT is a stand-alone transmission company, which owns, operates, and maintains transmission facilities in eastern and south central Pennsylvania. MAIT is a wholly-owned

¹ 16 U.S.C. § 824d.

² 18 C.F.R. Part 35.

³ Consistent with Commission precedent, PJM is a signatory to the Service Agreement for the limited purpose of acknowledging that a representative of PJM has read the Service Agreement. *See Am. Elec. Power. Serv. Corp.*, 110 FERC ¶ 61,276, *order on reh’g* 112 FERC ¶ 61,128 (2005).

⁴ Pursuant to Order No. 714, this filing is submitted by PJM on behalf of the Applicant as part of an XML filing package that conforms to the Commission’s regulations. PJM has agreed to make all filings on behalf of the PJM Transmission Owners in order to retain administrative control over the PJM Tariff. Thus, the Applicant requested that PJM submit the Service Agreement in the eTariff system as part of PJM’s electronic Service Agreement Tariff.

subsidiary of FirstEnergy Transmission, LLC. The Applicant is a transmission-owning member of PJM, and its transmission facilities are subject to the functional control of PJM, which provides transmission service to customers pursuant to the PJM Open Access Transmission Tariff (“PJM Tariff”). Pennsylvania Electric Company (“Penelec”) is a Pennsylvania corporation, owning and operating electric facilities for the distribution of electric power and energy in Pennsylvania.

II. Description of the Service Agreement

SA No. 4578 is an Operating and Interconnection Agreement by and between MAIT and Penelec. SA No. 4578 sets forth the rates, terms, and conditions for the interconnection and coordinated operation of the parties’ systems. SA No. 4578 includes an Agency Agreement (Appendix A), which authorizes MAIT to act as Penelec’s agent with regard to use of Penelec’s distribution facilities for transmission service to certain wholesale customers and for certain other purposes. SA No. 4578 does not impose any charge on either party for the mutual interconnection, planning and operation services provided under the agreement.

SA No. 4578 was originally filed on March 1, 2017 and accepted for filing in Docket No. ER17-1069-002.⁵ The parties filed a revised version of SA No. 4578 on June 8, 2017, which was accepted for filing in Docket No. ER17-1772-000.⁶ The parties filed another revised version of SA No. 4578 on October 2, 2017, which was accepted for filing in Docket No. ER18-4-000.⁷ The parties filed another revised version of SA No. 4578 on January 5, 2018, which was accepted for filing in Docket No. ER18-605-000.⁸ The parties filed another revised version of SA No. 4578 on March 1, 2018, which was accepted for filing in Docket No. ER18-945-000, *et al.*⁹ The parties filed another revised version of SA No. 4578 on July 16, 2018, which was accepted for filing in Docket No. ER18-2020-000.¹⁰ The parties filed another revised version of SA No. 4578 on September 17, 2018, which was accepted for filing in Docket No. ER18-2436-000.¹¹ The parties filed another revised version of SA No. 4578 on March 22, 2019, which was accepted for filing in Docket No. ER19-1410-000.¹² The parties filed another revised version of SA No. 4578 on August 30, 2019, which was accepted for filing in Docket No. ER19-2719-000.¹³ The parties filed another revised version of SA No. 4578 on January 30, 2020, which was

⁵ See Letter Order issued on May 9, 2017 in Docket No. ER17-1069-002.

⁶ See Letter Order issued on July 20, 2017 in Docket No. ER17-1772-000.

⁷ See Letter Order issued on November 17, 2017 in Docket No. ER18-4-000.

⁸ See Letter Order issued on February 12, 2018 in Docket No. ER18-605-000.

⁹ See Letter Order issued on May 18, 2018 in Docket No. ER18-945-000, *et al.*

¹⁰ See Letter Order issued on September 6, 2018 in Docket No. ER18-2020-000.

¹¹ See Letter Order issued on October 31, 2018 in Docket No. ER18-2436-000.

¹² See Letter Order issued on May 10, 2019 in Docket No. ER19-1410-000.

¹³ See Letter Order issued on October 4, 2019 in Docket No. ER19-2719-000.

accepted for filing in Docket No. ER20-916-000.¹⁴ The parties filed another revised version of SA No. 4578 on March 20, 2020, which was accepted for filing in Docket No. ER20-1356-000.¹⁵ The parties filed another revised version of SA No. 4578 on October 9, 2020, which was accepted for filing in Docket No. ER21-87-000.¹⁶ The parties filed another revised version of SA No. 4578 on March 31, 2021, which was accepted for filing in Docket No. ER21-1569-000.¹⁷ The parties filed another revised version of SA No. 4578 on February 11, 2022, which was accepted for filing in Docket No. ER22-1029-000.¹⁸ The parties filed another revised version of SA No. 4578 on April 29, 2022, which was accepted for filing in Docket No. ER22-1715-000.¹⁹ The instant filing contains a revised version of SA No. 4578, which has been amended to add a one-line diagram reflecting the following Interconnection Point in Appendix B:

Interconnection Point	In-Service Date
Tipton	December 1, 2022

When the attached SA No. 4578 becomes effective, it will supersede and cancel SA No. 4578 filed on April 29, 2022.

III. Request for Effective Date

The Applicant respectfully requests that the Commission grant an effective date for the Service Agreement of November 30, 2022, which is sixty-one (61) days after the date of this filing.

IV. Communications

Please direct any communications regarding this filing to the following individuals:

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¹⁴ See Letter Order issued on March 12, 2020 in Docket No. ER20-916-000.

¹⁵ See Letter Order issued on May 12, 2020 in Docket No. ER20-1356-000.

¹⁶ See Letter Order issued on December 4, 2020 in Docket No. ER21-87-000.

¹⁷ See Letter Order issued on May 20, 2021 in Docket No. ER21-1569-000.

¹⁸ See Letter Order issued on April 12, 2022 in Docket No. ER22-1029-000.

¹⁹ See Letter Order issued on June 22, 2022 in Docket No. ER22-1715-000.

V. Documents Submitted With This Filing

In accordance with the Commission's eTariff regulations, PJM, on behalf of the Applicant, is submitting an eTariff XML filing package containing the following materials:

- this transmittal letter;
- the Service Agreement in eTariff format;
- a clean copy of the Service Agreement in PDF format for publishing in eLibrary;
- a marked copy of the Service Agreement in PDF format for publishing in eLibrary;
- a PDF document containing the one-line diagram drawings cross-referenced in Appendix B for the Service Agreement that is red-lined to show the one-line diagram that was added to reflect the Interconnection Point added to the Service Agreement; and
- a PDF document with the signature pages of the parties to the Service Agreement for publishing in eLibrary.

VI. Service

The Applicant has served copies of this filing upon all parties as may be required by the Commission, including the other party to the Service Agreement.

VII. Conclusion

The Applicant hereby respectfully requests that the Commission accept for filing SA No. 4578, with an effective date of November 30, 2022. The Applicant further requests any waivers of the Commission's regulations as necessary to give effect to such agreement as requested by the Applicant. Please direct any questions regarding the instant filing to the undersigned.

Respectfully submitted,

/s/ Nicholas A. Giannasca

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Service Agreement No. 4578

OPERATING AND INTERCONNECTION AGREEMENT

Between

**Mid-Atlantic Interstate Transmission, LLC And
Pennsylvania Electric Company**

OPERATING AND INTERCONNECTION AGREEMENT

Between Mid-Atlantic Interstate Transmission, LLC and Pennsylvania Electric Company

THIS OPERATING AND INTERCONNECTION AGREEMENT, including all appendices attached hereto (hereinafter "Agreement") is entered into by Mid-Atlantic Interstate Transmission, LLC ("MAIT") and Pennsylvania Electric Company ("Penelec") (individually a "Party" and collectively the "Parties"). The terms "Party" and "Parties" as used herein shall not include PJM Interconnection, L.L.C. ("PJM") or any successor Regional Transmission Organization ("RTO"). This Agreement supersedes and cancels that certain Service Agreement No. 4578 entered into by the Parties on June 29, 2022 and filed in Federal Energy Regulatory Commission ("FERC") Docket No. ER22-1715.

RECITALS

WHEREAS, MAIT is a Delaware limited liability company formed to plan, construct, own, operate, upgrade and maintain new transmission facilities and existing Transmission Facilities contributed by the FirstEnergy East Operating Companies;

WHEREAS Penelec is a Pennsylvania corporation, owning and operating electric facilities for the distribution of electric power and energy in Pennsylvania;

WHEREAS, on January 31, 2017, Penelec and its affiliate Metropolitan Edison Company (collectively, the "FirstEnergy East Operating Companies") delivered a Capital Contribution Agreement conveying ownership of the Transmission Facilities to MAIT;

WHEREAS, Penelec has entered into a Ground Lease which provides for the non-exclusive use of Penelec transmission rights-of-way by MAIT;

WHEREAS, PJM is a Regional Transmission Organization providing transmission service within the PJM region;

WHEREAS, PJM has, and shall continue to have, operational control over the Transmission System, which encompasses the service territories of the FirstEnergy East Operating Companies;

WHEREAS, the electric systems of the Parties are or may be interconnected at one or more points of interconnection, each herein called an "Interconnection Point";

WHEREAS, Penelec and MAIT desire to enter into this Agreement to provide for the interconnection, planning and operation of their respective systems, in coordination with PJM; and

WHEREAS, the Federal Energy Regulatory Commission ("FERC") requires the Parties to include PJM as a signatory to this Agreement to ensure that PJM is kept fully apprised of the matters addressed herein and so that PJM may be kept aware of any reliability and planning

issues that may arise.

NOW, THEREFORE, in consideration of the premises and mutual covenants herein set forth, the Parties hereto agree as follows:

ARTICLE I DEFINITIONS

1.1 In General.

Unless the context otherwise specifies or requires, the following terms used in this Agreement or in any appendix to this Agreement shall have the meanings set forth below. Additional terms are defined in other provisions of this Agreement as needed.

1.2 Agency Agreement. The agreement appended hereto as Appendix A, which allows MAIT to act as agent for Penelec to the extent necessary to provide transmission service to wholesale customers in Pennsylvania served over Distribution Facilities under the PJM Tariff.

1.3 Distribution Facilities. All electric delivery facilities that are owned or operated by Penelec. Distribution Facilities shall include the final circuit connection with MAIT facilities into distribution substations providing transformation or connection to any wholesale or retail customer, regardless of the nominal voltage level. Distribution Facilities include all metering and related facilities necessary to serve such customers, including customer owned Distribution Facilities operated by Penelec. Distribution Facilities also include any other facilities built, purchased, leased, or otherwise acquired by Penelec in furtherance of its obligations under this Agreement.

1.4 Effective Date. The Effective Date of this Agreement is November 15, 2022.

1.5 FERC. The Federal Energy Regulatory Commission, or any successor agency.

1.6 Good Utility Practice. Any of the practices, methods, and acts engaged in or approved by a significant portion of the electric utility industry during the relevant time period, or any of the practices, methods, and acts which, in the exercise of reasonable judgment in light of the facts known at the time the decision was made, could have been expected to accomplish the desired result at reasonable cost consistent with good business practices, reliability, safety, and expedition. Good Utility Practice is not intended to be limited to the optimum practice, method, or act, to the exclusion of all others, but rather to be a range of acceptable practices, methods, or act generally accepted in the region, including those practices required by Federal Power Act Section 215(a)(4).

1.7 PJM Tariff. The PJM Open Access Transmission Tariff on file with FERC, as it may be amended and accepted by FERC from time to time.

1.8 Regulatory Authority(ies). Any federal, state, local or other governmental, regulatory

or administrative agency having jurisdiction over the subject matter of this Agreement.

1.9 Transmission Facilities. Electric delivery facilities formerly owned by Penelec that were contributed to, and are now owned by MAIT. Transmission Facilities also include any other facilities built, purchased, leased, or otherwise acquired by MAIT in furtherance of its obligations under this Agreement, including any new metering necessary between MAIT and the Distribution Facilities.

1.10 Transmission Provider. PJM or its successor organization.

1.11 Transmission System. The new transmission facilities and the existing Transmission Facilities owned, planned, and operated by MAIT that are used to provide service under the PJM Tariff, including the transmission facilities contributed by Penelec to MAIT.

ARTICLE II RIGHTS, POWERS, AND OBLIGATIONS OF MAIT

2.1 Planning and Operations.

2.1.1 Planning Activities. MAIT shall plan the Transmission System in order to provide all transmission customers with efficient, reliable, and nondiscriminatory transmission service under the PJM Tariff. MAIT may employ persons and enter into agreements as necessary to perform these services. Such planning shall conform to applicable reliability requirements of the North American Electric Reliability Corporation ("NERC"), applicable regional reliability councils, PJM, and all applicable requirements of federal or state laws or Regulatory Authorities and any reliability procedures or guidelines adopted by MAIT. Such planning shall seek to minimize costs for both MAIT and transmission customers, consistent with Good Utility Practice and the reliability and other requirements set forth in this Agreement, but shall also include consideration of economic Transmission System expansion, whether by construction or acquisition of new Transmission Facilities.

2.1.2 Operational Control. MAIT shall operate the Transmission System and shall coordinate with Penelec to operate the high side devices of the Distribution Facilities as necessary to provide all transmission customers with efficient, reliable, and non-discriminatory transmission service under the PJM Tariff. Such operation shall be exercised in accordance with Good Utility Practice and shall conform to applicable reliability requirements of NERC, applicable regional reliability councils, or any successor organizations, and all applicable requirements of federal or state laws or Regulatory Authorities. MAIT, in conjunction with PJM and NERC, shall establish reliability guidelines or procedures necessary to implement and comply with applicable reliability requirements.

2.1.3 Performance of Regulatory Obligations. MAIT shall become a party to PJM's Consolidated Transmission Owners Agreement ("CTOA") and shall succeed to, and comply with, Penelec's transmission operation and planning obligations of Penelec in connection with the Transmission System imposed by the PJM Tariff, PJM CTOA, and all relevant federal or state laws or Regulatory Authorities.

ARTICLE III INTERCONNECTED OPERATION

3.1 Interconnection Points. The Parties' systems shall be interconnected at Interconnection Points to be specified and described in Appendix B. The Parties by amendment to this Agreement may add, discontinue or modify the Interconnection Points and such additional, discontinued or modified Interconnection Points shall be reflected in a revised Appendix B. The Parties shall, during the term of this Agreement, continue in service the existing transmission lines and equipment necessary to maintain the Interconnection Points specified and described in Appendix B.

3.2 Adjustments of Existing Facilities. The Parties acknowledge that existing facilities may be relocated, removed, discontinued, or modified in connection with each Interconnection Point set forth in Appendix B, or any new Interconnection Point established under this Agreement. The Parties shall work in good faith to arrange for the adjustment of existing facilities.

3.3 Interruption of Service. The interconnection service provided under this Agreement may be interrupted or reduced upon such notice as is reasonable under the circumstances (a) by operation of automatic equipment installed for power system protection; (b) at PJM's direction; (c) after consultation with the other Party if practicable, when a Party deems it desirable for installation, maintenance, inspection, repair or replacement of equipment; or (d) at any time that in the sole judgment of the interrupting Party such action is necessary to preserve the integrity of, or to prevent or limit any instability on, or to avoid or mitigate a burden on, the interrupting Party's system. Any interruption and resumption of service under this Section 3.3 shall be conducted in accordance with Good Utility Practice.

3.4 Energy Losses. The energy losses on the interconnected facilities shall be assigned to the appropriate Party based on the metering points of the facilities or according to procedures developed by the Operating Committee, and subject to any requirements of PJM.

ARTICLE IV OPERATIONAL RIGHTS, POWERS, AND OBLIGATIONS OF THE PARTIES

4.1 Construction and Operation of the Parties' Facilities.

4.1.1 Avoidance of Unauthorized Use and Control of System Disturbance. Each Party shall have facilities or contractual arrangements adequate to serve its own load and shall exercise reasonable care to design, construct, maintain, and operate its facilities, in accordance with Good Utility Practice, and in such manner as to avoid the unauthorized utilization of the transmission or distribution facilities by any other person (hereinafter referred to as "Unauthorized Use"). Any Party may install and operate on its system such relays, disconnecting devices, and other equipment, as it may be deemed appropriate for the protection of its system or prevention of Unauthorized Use. The Parties shall maintain and operate their respective systems so as to minimize, in accordance with Good Utility Practice, the likelihood of a disturbance originating in either system, which might cause impairment to the service of the other Party or

of any system interconnected with the system of the other Party.

4.1.2 Distribution Facilities Used For Wholesale Services. Pursuant to the Agency Agreement, MAIT will act as agent for Penelec with respect to transmission service over the Distribution Facilities under the PJM Tariff at FERC-approved rates as set forth in the PJM Tariff.

4.1.3 Maintenance and Operation Services. Each Party shall maintain its equipment in a manner consistent with Good Utility Practice in order to permit the Parties to operate their respective facilities as required by this Agreement. Operating arrangements for facility maintenance shall be coordinated between operating personnel of the Parties in accordance with Section 4.1.6 of this Agreement. Except as may be necessary and appropriate in an emergency, all operating arrangements shall be coordinated with, and consistent with, the practices of PJM.

4.1.4 Providing Information. The Parties shall provide such information to each other as is necessary for them to perform their obligations under this Agreement, the PJM Tariff and any service agreements thereunder, or to comply with requirements of Regulatory Authorities. Information identified as confidential shall be treated as confidential to the extent permitted by law.

4.1.5 Facilities Access. The Parties shall allow each other (their directors, officers, employees, or agents) such access to their property, structures or facilities as is necessary for the Parties to perform their obligations under this Agreement, the PJM Tariff, and any service agreements thereunder, or to comply with the requirements of Regulatory Authorities. Such access shall be in accordance with the operating procedures, rules and regulations of the Party who owns or controls such property, structures or facilities.

4.1.6 Force Majeure. No Party shall be in default in respect to any obligation hereunder because of Force Majeure. Force Majeure shall mean any event that creates an inability to fulfill an obligation under this Agreement that could not be prevented or overcome by the due diligence of the Party claiming Force Majeure. Such events include, but are not defined by or limited to, acts of God, strikes, lockouts, labor disputes, acts of a public enemy, acts of sabotage, acts of terrorism, wars, blockades, insurrections, riots, epidemics, landslides, earthquakes, fires, hurricanes, storms, tornadoes, floods, washouts, civil disturbances, explosions, accidents, or the binding order of any court, legislative body, or governmental authority which has been resisted in good faith by all reasonable legal means. Failure to prevent or settle any strike or strikes shall not be considered to be a matter within the control of the Party claiming suspension. A Party unable to fulfill any obligation by reason of any Force Majeure event shall use diligence to remove such disability with appropriate dispatch. Each Party shall

(a) provide prompt written notice of such Force Majeure event to the other Party, which notice shall include an estimate of the expected duration of such event and, (b) attempt to exercise all reasonable efforts to continue to perform its obligations under this Agreement.

4.1.7 Inspection and Auditing Procedures. The Parties shall grant FERC, each other (their directors, officers, employees, and agents) and each state Regulatory Authority having jurisdiction, such access to books and records as is necessary for each Party to perform its

obligations under this Agreement, the PJM Tariff, and any service agreements thereunder, to comply with the requirements of Regulatory Authorities, and to audit and verify transactions under this Agreement. Such access shall be at reasonable times and under reasonable conditions. Each Party shall comply with the reporting requirements of Regulatory Authorities having jurisdiction over the Party with respect to the business aspects of their operations, and shall maintain such accounting records and metering data as is necessary to perform its obligations under this Agreement.

4.2 Operating Committee

4.2.1 An Operating Committee shall administer the interconnected operation of the Parties' systems as provided for in this Agreement. The Parties shall each appoint one member and one alternate to the Operating Committee and designate, in writing, said appointments to the other Party. Such representatives and alternates shall be persons familiar with the Transmission Facilities and Distribution Facilities of the Parties they represent and shall be fully authorized to perform the principal duties listed below.

4.2.2 Duties of the Operating Committee. The principal duties of the Operating Committee shall be as follows:

- a. to establish operating and control procedures;
- b. to establish accounting and billing procedures;
- c. to coordinate maintenance schedules to an extent agreed by the Parties; and
- d. to perform those duties, which this Agreement requires to be done by the Operating Committee, and such other duties as may be required for the proper performance of this Agreement.

4.2.3 Limitations on Operating Committee Duties. The Operating Committee shall not amend or modify any of the terms or conditions of this Agreement.

4.2.4 Operating Committee. If the Operating Committee is unable to agree on any matter coming under its jurisdiction, that matter shall be submitted for resolution under the arbitration procedures specified in Article VIII of this Agreement.

ARTICLE V TERM AND TERMINATION

5.1 This Agreement shall be effective as of the date of execution by both Parties and PJM's acknowledgement or such later date as FERC may authorize, and shall remain in effect for a term of ten (10) years thereafter. Following the initial ten (10) year term, this Agreement shall remain in place from year-to-year unless terminated by either Party upon not less than one (1) year's prior written notice. Either Party may provide notice of termination after the conclusion of the ninth (9th) year of this Agreement.

5.2 The Parties' obligation to make any payments owing or due under this Agreement or to complete the construction of specific facilities agreed to prior to termination of this Agreement

shall survive the termination of this Agreement.

ARTICLE VI REGULATORY APPROVALS

6.1 Regulatory Authorities. This Agreement is subject to acceptance or approval by FERC and may be subject to the actions of Regulatory Authorities to which the Parties may be subject and which may affect the ability of the Parties to participate in this Agreement.

6.2 Renegotiation. If any provision of this Agreement, or the application thereof to any person, entity, or circumstance, is held by a Regulatory Authority or court of competent jurisdiction to be invalid, void, or unenforceable, then the Parties shall endeavor in good faith to negotiate such amendment or amendments to this Agreement as will restore the relative benefits and obligations of the Parties under this Agreement immediately prior to such holding.

ARTICLE VII INDEMNITY

To the extent permitted by law, each Party shall indemnify, save harmless, and defend the other Party from and against any losses, damages, liabilities, costs, expenses, suits, actions, claims, and all other obligations arising out of injuries or death to persons or damage to property caused by or in any way attributable to the ownership or operation of the facilities of the owning Party (individually, a "Loss"), except that the indemnifying Party's obligation to indemnify the other Party shall not apply to the extent of any liabilities arising from such other Party's negligence. Further, to the extent that a Party's immunity as a complying employer, under the worker's compensation and occupational disease laws, might serve to bar or affect recovery under or enforcement of the indemnification otherwise granted herein, each Party agrees to waive its immunity. For the purposes of this Article VII only, the term "Party" shall include the directors, officers, employees, affiliates and agents of a Party eligible for indemnification under this Article VII.

ARTICLE VIII ARBITRATION

8.1 Submission to Arbitration. In the event of disagreement between the Parties with respect to (1) any matter herein specifically made subject to arbitration, (2) any question of operating practice involved in performance of this Agreement, (3) any question of fact involved in the application of provisions of this Agreement, or (4) the interpretation of any provision of this Agreement, the matter involved in the disagreement shall, upon request of either Party, be submitted to arbitration in the manner hereinafter provided.

8.2 Appointment of Arbitrators. The Party requesting arbitration shall serve notice in writing upon the other Party, setting forth in detail the subject or subjects to be arbitrated, and the Parties thereupon shall endeavor to agree upon and appoint one person to act as sole arbitrator. If the Parties fail to agree within a period of fifteen (15) days from the receipt of the original notice, the Party requesting the arbitration shall, by written notice to the other Party, request the

appointment of a board of arbitrators skilled with respect to matters of the character involved in the disagreement, naming one arbitrator in such notice. The other Party shall, within ten (10) days after the receipt of such notice, appoint a second arbitrator, and the two so appointed shall choose and appoint a third. In case such other Party fails to appoint an arbitrator within said ten (10) days, or in case the two so appointed fail for ten (10) days to agree upon and appoint a third, the Party requesting the arbitration, upon five (5) days' written notice delivered to the other Party, shall apply to the person who at the time shall be the most senior Judge of the United States District Court having jurisdiction in Ohio for appointment of the second or third arbitrator, as the case may be.

8.3 Arbitration. The sole arbitrator, or the board of arbitrators, shall afford adequate opportunity to the Parties to present information with respect to the question or questions submitted for arbitration and may request further information from either or both Parties. The findings and award of the sole arbitrator or of a majority of the board of arbitrators shall be final and conclusive with respect to the question or questions submitted for arbitration and shall be binding upon the Parties, provided that such findings and award shall not in any way vary the expressed terms of this Agreement or in any way extend the expressed scope and intent hereof. Each Party shall pay for the services and expenses of the arbitrator appointed on their behalf. If there is a board of arbitrators, all costs incurred in connection with the arbitration shall be paid in equal parts by the Parties hereto, unless the award shall specify a different division of the costs.

ARTICLE IX MISCELLANEOUS PROVISIONS

9.1 Descriptive Headings. The descriptive headings of Articles, Sections, Paragraphs, Subparagraphs, and other provisions of this Agreement have been inserted for convenience of reference only and shall not define, modify, restrict, construe, or otherwise affect the construction or interpretation of any of the provisions of this Agreement.

9.2 Governing Law. This Agreement shall be interpreted, construed, and governed by the laws of the State of Ohio, except to the extent preempted by the laws of the United States of America.

9.3 Counterparts. This Agreement may be executed in any number of counterparts, each of which shall be deemed to be an original, but all of which together shall constitute one and the same instrument, binding upon the Parties.

9.4 Waiver.

9.4.1 Waiver. Any waiver at any time by either Party of its rights with respect to default under this Agreement, or with respect to any other matter arising in connection with this Agreement, shall not be deemed a waiver with respect to any subsequent default or matter. Any delay, short of the statutory period of limitation, in asserting or enforcing any right under this Agreement, shall not be deemed a waiver of such right.

9.4.2 No Implied Waiver. The failure of a Party to insist upon or enforce strict performance of

any of the specific provisions of this Agreement at any time shall not be construed as a waiver or relinquishment to any extent of such Party's right to assert or rely upon any such provisions, rights, or remedies in that or any other instance, or as a waiver to any extent of any specific provision of this Agreement; rather the same shall be and remain in full force and effect.

9.5 Further Assurances. Each Party agrees that it shall hereafter execute and deliver such further instruments, provide all information, and take or forbear such further acts and things as may be reasonably required or useful to carry out the intent and purpose of this Agreement and as are not inconsistent with the provisions of this Agreement.

9.6 Delivery of Notices. Except as otherwise expressly provided herein, notices required under this Agreement shall be in writing and shall be sent to the Parties by U.S. mail, overnight courier, hand delivery, facsimile, or other reliable electronic means. Any notice required under this Agreement shall be deemed to have been given either upon delivery, if by U.S. mail, overnight courier, or hand delivery, or upon confirmation, if given by facsimile or other reliable electronic means.

9.7 Entire Agreement. This Agreement, including the appendices attached hereto, the Agency Agreement, the Capital Contribution Agreement, Ground Lease, and other agreements referenced herein constitute the entire agreement among the Parties with respect to the subject matter of this Agreement, and no previous or contemporary oral or written representations, agreements, or understandings made by any director, officer, agent, or employee of the Parties shall be binding on the other unless contained in this Agreement, including the appendices attached hereto, the Transmission Tariff, service agreements thereunder, the Agency Agreement, the Bill of Sale, Ground Lease, or other agreements referenced herein. No amendment, modification or change in this Agreement shall be valid and enforceable unless reduced in writing and executed by the Parties.

9.8 Good Faith Efforts. Each Party agrees that it shall in good faith take all reasonable actions necessary to fulfill its obligations under this Agreement. Where the consent, agreement, or approval of any Party must be obtained hereunder, such consent, agreement, or approval shall not be unreasonably withheld, conditioned, or delayed. Where any Party is required or permitted to act, or omit to act, based on its opinion or judgment, such opinion or judgment shall not be unreasonably exercised. To the extent that the jurisdiction of any Regulatory Authorities applies to any part of this Agreement or the transactions or actions covered by this Agreement, each Party shall cooperate to secure any necessary or desirable approval or acceptance of such Regulatory Authorities of such part of this Agreement or such transactions or actions.

9.9 Third-Party Agreements. This Agreement, including the appendices to this Agreement, the PJM Tariff, the service agreements thereunder, the Agency Agreement, Capital Contribution Agreement, and the Ground Lease, and other agreements referenced herein, shall not be construed, interpreted or applied in such a manner as to cause a Party to be in material breach, anticipatory or otherwise, of any agreement between the Party and one or more third parties who are not Parties to this Agreement for the joint ownership, operation, or maintenance of any electrical facilities covered by this Agreement, the Transmission Tariff, or the Agency Agreement. A Party that has such a third-party joint agreement shall discuss with the other

Parties any material conflict between such third-party joint agreement and this Agreement, the PJM Tariff, or the Agency Agreement raised by a third party to such joint agreement, and shall act in good faith to resolve such conflict in accordance with Good Utility Practice.

9.10 Liability.

9.10.1 Nothing in this Agreement shall be construed to create or give rise to any liability on the part of PJM and each Party expressly waives any claims that may arise against PJM under this Agreement.

9.10.2 The Parties acknowledge and understand that the signature of the authorized representative of PJM on this Agreement is for the limited purpose of acknowledging that representatives of PJM have read the terms of this Agreement. The Parties and PJM further state that they understand that FERC desires that the Parties keep PJM fully apprised of the matters addressed herein as well as any reliability and planning issues that may arise under this Agreement, and that the signature of the PJM representative shall not in any way be deemed to imply that (a) PJM is taking responsibility for the actions of any Party, (b) PJM has any affirmative duties under this Agreement, or (c) PJM is liable in any way under this Agreement.

9.11 Assignment. This Agreement shall inure to the benefit of and be binding upon the successors and assigns of the Parties. Successors and assigns of PJM shall become signatories to this Agreement for the limited purpose described herein applicable to PJM. This Agreement shall not be assigned by either Party without the written consent of the other Party, which consent shall not be reasonably withheld, except to a successor to which substantially all of the business and assets of such Party shall be transferred or to an affiliate of the assigning Party for the purposes of a corporate restructuring.

9.12 Written Notices. Notices and communication made pursuant to this Agreement shall be deemed to be properly given if delivered in writing, postage paid to the following:

If to MAIT:

Manager, Agreements Support
FirstEnergy Service Company
76 S. Main Street – 10th Floor
Akron, OH 44308

Legal Department
FirstEnergy Service Company
76 S. Main Street
Akron, OH 44308

If to Penelec:

Manager, Agreements Support
FirstEnergy Service Company
76 S. Main Street – 10th Floor
Akron, OH 44308

Legal Department
FirstEnergy Service Company
76 S. Main Street
Akron, OH 44308

If to PJM:

Vice President-Government Policy
PJM Interconnection, L.L.C.
1200 G Street, NW, Suite 600

General Counsel
PJM Interconnection, L.L.C.
2750 Monroe Blvd.

Washington, DC 20005

Audubon, PA 19403

The above listed titles and addresses for a Party or PJM may be changed by written notice to all other Parties and PJM.

9.13 Rights under Sections 205 and 206. Nothing contained in this Agreement shall be construed as affecting in any way, the right of a Party furnishing service under this Agreement to unilaterally make application to FERC for a change in the rates and charges or other terms and conditions of this Agreement under Section 205 of the Federal Power Act and pursuant to the FERC's Rules and Regulations promulgated thereunder or any Party receiving service to file a complaint seeking changes in rates and charges or other terms and conditions of this Agreement under Section 206 of the Federal Power Act.

IN WITNESS WHEREOF, the Parties have caused their duly authorized representatives to execute and attest this Agreement, on their respective behalf, as of the Effective Date noted above.

/s/Gregory F. Hussing
Signature

Gregory F. Hussing
Director, FERC & RTO Tech Support
Title of Authorized Signatory
MID-ATLANTIC INTERSTATE
TRANSMISSION, LLC
By: FirstEnergy Transmission, LLC
its sole member

/s/Thomas R. Pryatel
Signature

Thomas R. Pryatel
Director, ED Operations Services
Title of Authorized Signatory
PENNSYLVANIA ELECTRIC COMPANY

The signature below of the authorized representative of PJM Interconnection, L.L.C. is for the limited purpose of acknowledging that a representative of PJM has read this Agreement as of September 8, 2022.

PJM INTERCONNECTION, L.L.C.

By: /s/ David W. Souder
(Signature)

Name: David W. Souder
(Print)

Title: Executive Director, System Planning

APPENDIX A

AGENCY AGREEMENT

Through this Agency Agreement, Pennsylvania Electric Company (Penelec) authorizes Mid-Atlantic Interstate Transmission, LLC ("MAIT") to provide transmission service over certain facilities as detailed below.

The definitions specified in the Operating and Interconnection Agreement ("Agreement") are incorporated herein by reference.

RECITALS

A. WHEREAS, MAIT owns and operates the Transmission Facilities, which were previously owned by Penelec. PJM has functional control over the Transmission Facilities provides open access transmission service across the Transmission Facilities in accordance with the PJM Tariff filed with FERC.

B. WHEREAS, Penelec will retain ownership of Distribution Facilities that may be used in part to provide transmission service under the PJM Tariff to certain Penelec wholesale customers.

C. WHEREAS, in order for MAIT to offer transmission service to these customers under the PJM Tariff, it is necessary that the MAIT be authorized by Penelec to act as its agent.

D. WHEREAS, Penelec wishes to enter into this Agency Agreement to authorize MAIT to act as its agent with regard to the use of the Distribution Facilities for transmission service to certain Penelec wholesale customers and for other purposes as specified herein and in the Agreement.

TERMS OF AGREEMENT

1. Rates for Transmission Service over the Distribution Facilities

The rates for transmission service over the Distribution Facilities are as provided in the PJM Tariff. In the event of any conflict between any provision of this Agency Agreement and the PJM Tariff, the PJM Tariff shall control.

2. Appointment of MAIT as Agent

Penelec appoints MAIT as its agent to provide transmission service on behalf of Penelec to wholesale customers using Distribution Facilities to connect to the MAIT Transmission System.

Penelec will cooperate with MAIT in developing the rates charged for use of its Distribution Facilities ("Distribution Adder"). MAIT will arrange for rate filings with FERC under Section

205 of the Federal Power Act to establish or modify the Distribution Adder.

Penelec will provide the necessary support for any filing under Section 205 of the Federal Power Act to establish the Distribution Adder.

Penelec will commit, where necessary, Distribution Facilities used to provide transmission service to wholesale customers as required for the performance of service agreements under the PJM Tariff.

3. Performance by Penelec

Penelec will provide all services necessary or appropriate for performance under the PJM Tariff, and service agreements thereunder, for wholesale transmission service using its Distribution Facilities. Upon MAIT's request, Penelec will provide MAIT with all information necessary to permit MAIT to perform its administration functions under the PJM Tariff.

4. Payment to Penelec

MAIT, in coordination with PJM, will make appropriate arrangements for (a) billing and collection of any Distribution Adder, and (b) the distribution to Penelec of all revenues collected from the Distribution Adder.

5. Effectiveness, Duration of Agency Agreement and Withdrawal Rights

The Agency Agreement is effective on the Effective Date as defined in the Agreement. The Agency Agreement will terminate upon mutual agreement of MAIT and Penelec.

6. Integration and Amendment

This is an integrated agreement which contains all terms and conditions of agreement among the Parties concerning the subject matter. Any prior or oral agreements concerning the subject matter not stated herein are superseded by this Agency Agreement. This Agency Agreement may be amended only by a writing executed by both Parties.

7. Authority

The Parties represent that the person executing this agreement on their behalf is authorized to execute this agreement and bind the Parties to its terms, and that such authorization has been made in compliance with all applicable laws, articles of incorporation, bylaws, and resolutions and in a manner that the authorization is binding upon Penelec and MAIT.

Signature

Director, FERC & RTO Tech Support
Title of Authorized Signatory
MID-ATLANTIC INTERSTATE
TRANSMISSION, LLC
By: FirstEnergy Transmission LLC,
its sole member

Signature

Director, FERC Compliance
Title of Authorized Signatory
PENNSYLVANIA ELECTRIC COMPANY

APPENDIX B

INTERCONNECTION POINTS

The Points of Interconnection are specified in the one-line diagrams attached to this Appendix B.

APPENDIX C

DAS EQUIPMENT: OWNERSHIP, INSTALLATION AND MAINTENANCE

Any real-time data requirements defined in the PJM manuals, including PJM Manual 01 - Control Center and Data Exchange Requirements, and PJM Manual 03 - Transmission Operations, shall be provided to PJM to allow PJM to comply with its roles as reliability coordinator, balancing authority, and transmission operator.

Service Agreement No. 4578

OPERATING AND INTERCONNECTION AGREEMENT

Between

**Mid-Atlantic Interstate Transmission, LLC And
Pennsylvania Electric Company**

OPERATING AND INTERCONNECTION AGREEMENT

Between Mid-Atlantic Interstate Transmission, LLC and Pennsylvania Electric Company

THIS OPERATING AND INTERCONNECTION AGREEMENT, including all appendices attached hereto (hereinafter "Agreement") is entered into by Mid-Atlantic Interstate Transmission, LLC ("MAIT") and Pennsylvania Electric Company ("Penelec") (individually a "Party" and collectively the "Parties"). The terms "Party" and "Parties" as used herein shall not include PJM Interconnection, L.L.C. ("PJM") or any successor Regional Transmission Organization ("RTO"). This Agreement supersedes and cancels that certain Service Agreement No. 4578 entered into by the Parties on ~~March-June 29, 2022~~ 16, 2021 and filed in Federal Energy Regulatory Commission ("FERC") Docket No. ~~ER21-4569~~ ER22-1715.

RECITALS

WHEREAS, MAIT is a Delaware limited liability company formed to plan, construct, own, operate, upgrade and maintain new transmission facilities and existing Transmission Facilities contributed by the FirstEnergy East Operating Companies;

WHEREAS Penelec is a Pennsylvania corporation, owning and operating electric facilities for the distribution of electric power and energy in Pennsylvania;

WHEREAS, on January 31, 2017, Penelec and its affiliate Metropolitan Edison Company (collectively, the "FirstEnergy East Operating Companies") delivered a Capital Contribution Agreement conveying ownership of the Transmission Facilities to MAIT;

WHEREAS, Penelec has entered into a Ground Lease which provides for the non-exclusive use of Penelec transmission rights-of-way by MAIT;

WHEREAS, PJM is a Regional Transmission Organization providing transmission service within the PJM region;

WHEREAS, PJM has, and shall continue to have, operational control over the Transmission System, which encompasses the service territories of the FirstEnergy East Operating Companies;

WHEREAS, the electric systems of the Parties are or may be interconnected at one or more points of interconnection, each herein called an "Interconnection Point";

WHEREAS, Penelec and MAIT desire to enter into this Agreement to provide for the interconnection, planning and operation of their respective systems, in coordination with PJM; and

WHEREAS, the Federal Energy Regulatory Commission ("FERC") requires the Parties to include PJM as a signatory to this Agreement to ensure that PJM is kept fully apprised of the matters addressed herein and so that PJM may be kept aware of any reliability and planning

issues that may arise.

NOW, THEREFORE, in consideration of the premises and mutual covenants herein set forth, the Parties hereto agree as follows:

ARTICLE I DEFINITIONS

1.1 In General.

Unless the context otherwise specifies or requires, the following terms used in this Agreement or in any appendix to this Agreement shall have the meanings set forth below. Additional terms are defined in other provisions of this Agreement as needed.

1.2 Agency Agreement. The agreement appended hereto as Appendix A, which allows MAIT to act as agent for Penelec to the extent necessary to provide transmission service to wholesale customers in Pennsylvania served over Distribution Facilities under the PJM Tariff.

1.3 Distribution Facilities. All electric delivery facilities that are owned or operated by Penelec. Distribution Facilities shall include the final circuit connection with MAIT facilities into distribution substations providing transformation or connection to any wholesale or retail customer, regardless of the nominal voltage level. Distribution Facilities include all metering and related facilities necessary to serve such customers, including customer owned Distribution Facilities operated by Penelec. Distribution Facilities also include any other facilities built, purchased, leased, or otherwise acquired by Penelec in furtherance of its obligations under this Agreement.

1.4 Effective Date. The Effective Date of this Agreement is ~~April~~November 15, 2022.

1.5 FERC. The Federal Energy Regulatory Commission, or any successor agency.

1.6 Good Utility Practice. Any of the practices, methods, and acts engaged in or approved by a significant portion of the electric utility industry during the relevant time period, or any of the practices, methods, and acts which, in the exercise of reasonable judgment in light of the facts known at the time the decision was made, could have been expected to accomplish the desired result at reasonable cost consistent with good business practices, reliability, safety, and expedition. Good Utility Practice is not intended to be limited to the optimum practice, method, or act, to the exclusion of all others, but rather to be a range of acceptable practices, methods, or act generally accepted in the region, including those practices required by Federal Power Act Section 215(a)(4).

1.7 PJM Tariff. The PJM Open Access Transmission Tariff on file with FERC, as it may be amended and accepted by FERC from time to time.

1.8 Regulatory Authority(ies). Any federal, state, local or other governmental, regulatory

or administrative agency having jurisdiction over the subject matter of this Agreement.

1.9 Transmission Facilities. Electric delivery facilities formerly owned by Penelec that were contributed to, and are now owned by MAIT. Transmission Facilities also include any other facilities built, purchased, leased, or otherwise acquired by MAIT in furtherance of its obligations under this Agreement, including any new metering necessary between MAIT and the Distribution Facilities.

1.10 Transmission Provider. PJM or its successor organization.

1.11 Transmission System. The new transmission facilities and the existing Transmission Facilities owned, planned, and operated by MAIT that are used to provide service under the PJM Tariff, including the transmission facilities contributed by Penelec to MAIT.

ARTICLE II RIGHTS, POWERS, AND OBLIGATIONS OF MAIT

2.1 Planning and Operations.

2.1.1 Planning Activities. MAIT shall plan the Transmission System in order to provide all transmission customers with efficient, reliable, and nondiscriminatory transmission service under the PJM Tariff. MAIT may employ persons and enter into agreements as necessary to perform these services. Such planning shall conform to applicable reliability requirements of the North American Electric Reliability Corporation ("NERC"), applicable regional reliability councils, PJM, and all applicable requirements of federal or state laws or Regulatory Authorities and any reliability procedures or guidelines adopted by MAIT. Such planning shall seek to minimize costs for both MAIT and transmission customers, consistent with Good Utility Practice and the reliability and other requirements set forth in this Agreement, but shall also include consideration of economic Transmission System expansion, whether by construction or acquisition of new Transmission Facilities.

2.1.2 Operational Control. MAIT shall operate the Transmission System and shall coordinate with Penelec to operate the high side devices of the Distribution Facilities as necessary to provide all transmission customers with efficient, reliable, and non-discriminatory transmission service under the PJM Tariff. Such operation shall be exercised in accordance with Good Utility Practice and shall conform to applicable reliability requirements of NERC, applicable regional reliability councils, or any successor organizations, and all applicable requirements of federal or state laws or Regulatory Authorities. MAIT, in conjunction with PJM and NERC, shall establish reliability guidelines or procedures necessary to implement and comply with applicable reliability requirements.

2.1.3 Performance of Regulatory Obligations. MAIT shall become a party to PJM's Consolidated Transmission Owners Agreement ("CTOA") and shall succeed to, and comply with, Penelec's transmission operation and planning obligations of Penelec in connection with the Transmission System imposed by the PJM Tariff, PJM CTOA, and all relevant federal or state laws or Regulatory Authorities.

ARTICLE III INTERCONNECTED OPERATION

3.1 Interconnection Points. The Parties' systems shall be interconnected at Interconnection Points to be specified and described in Appendix B. The Parties by amendment to this Agreement may add, discontinue or modify the Interconnection Points and such additional, discontinued or modified Interconnection Points shall be reflected in a revised Appendix B. The Parties shall, during the term of this Agreement, continue in service the existing transmission lines and equipment necessary to maintain the Interconnection Points specified and described in Appendix B.

3.2 Adjustments of Existing Facilities. The Parties acknowledge that existing facilities may be relocated, removed, discontinued, or modified in connection with each Interconnection Point set forth in Appendix B, or any new Interconnection Point established under this Agreement. The Parties shall work in good faith to arrange for the adjustment of existing facilities.

3.3 Interruption of Service. The interconnection service provided under this Agreement may be interrupted or reduced upon such notice as is reasonable under the circumstances (a) by operation of automatic equipment installed for power system protection; (b) at PJM's direction; (c) after consultation with the other Party if practicable, when a Party deems it desirable for installation, maintenance, inspection, repair or replacement of equipment; or (d) at any time that in the sole judgment of the interrupting Party such action is necessary to preserve the integrity of, or to prevent or limit any instability on, or to avoid or mitigate a burden on, the interrupting Party's system. Any interruption and resumption of service under this Section 3.3 shall be conducted in accordance with Good Utility Practice.

3.4 Energy Losses. The energy losses on the interconnected facilities shall be assigned to the appropriate Party based on the metering points of the facilities or according to procedures developed by the Operating Committee, and subject to any requirements of PJM.

ARTICLE IV OPERATIONAL RIGHTS, POWERS, AND OBLIGATIONS OF THE PARTIES

4.1 Construction and Operation of the Parties' Facilities.

4.1.1 Avoidance of Unauthorized Use and Control of System Disturbance. Each Party shall have facilities or contractual arrangements adequate to serve its own load and shall exercise reasonable care to design, construct, maintain, and operate its facilities, in accordance with Good Utility Practice, and in such manner as to avoid the unauthorized utilization of the transmission or distribution facilities by any other person (hereinafter referred to as "Unauthorized Use"). Any Party may install and operate on its system such relays, disconnecting devices, and other equipment, as it may be deemed appropriate for the protection of its system or prevention of Unauthorized Use. The Parties shall maintain and operate their respective systems so as to minimize, in accordance with Good Utility Practice, the likelihood of a disturbance originating in either system, which might cause impairment to the service of the other Party or

of any system interconnected with the system of the other Party.

4.1.2 Distribution Facilities Used For Wholesale Services. Pursuant to the Agency Agreement, MAIT will act as agent for Penelec with respect to transmission service over the Distribution Facilities under the PJM Tariff at FERC-approved rates as set forth in the PJM Tariff.

4.1.3 Maintenance and Operation Services. Each Party shall maintain its equipment in a manner consistent with Good Utility Practice in order to permit the Parties to operate their respective facilities as required by this Agreement. Operating arrangements for facility maintenance shall be coordinated between operating personnel of the Parties in accordance with Section 4.1.6 of this Agreement. Except as may be necessary and appropriate in an emergency, all operating arrangements shall be coordinated with, and consistent with, the practices of PJM.

4.1.4 Providing Information. The Parties shall provide such information to each other as is necessary for them to perform their obligations under this Agreement, the PJM Tariff and any service agreements thereunder, or to comply with requirements of Regulatory Authorities. Information identified as confidential shall be treated as confidential to the extent permitted by law.

4.1.5 Facilities Access. The Parties shall allow each other (their directors, officers, employees, or agents) such access to their property, structures or facilities as is necessary for the Parties to perform their obligations under this Agreement, the PJM Tariff, and any service agreements thereunder, or to comply with the requirements of Regulatory Authorities. Such access shall be in accordance with the operating procedures, rules and regulations of the Party who owns or controls such property, structures or facilities.

4.1.6 Force Majeure. No Party shall be in default in respect to any obligation hereunder because of Force Majeure. Force Majeure shall mean any event that creates an inability to fulfill an obligation under this Agreement that could not be prevented or overcome by the due diligence of the Party claiming Force Majeure. Such events include, but are not defined by or limited to, acts of God, strikes, lockouts, labor disputes, acts of a public enemy, acts of sabotage, acts of terrorism, wars, blockades, insurrections, riots, epidemics, landslides, earthquakes, fires, hurricanes, storms, tornadoes, floods, washouts, civil disturbances, explosions, accidents, or the binding order of any court, legislative body, or governmental authority which has been resisted in good faith by all reasonable legal means. Failure to prevent or settle any strike or strikes shall not be considered to be a matter within the control of the Party claiming suspension. A Party unable to fulfill any obligation by reason of any Force Majeure event shall use diligence to remove such disability with appropriate dispatch. Each Party shall

(a) provide prompt written notice of such Force Majeure event to the other Party, which notice shall include an estimate of the expected duration of such event and, (b) attempt to exercise all reasonable efforts to continue to perform its obligations under this Agreement.

4.1.7 Inspection and Auditing Procedures. The Parties shall grant FERC, each other (their directors, officers, employees, and agents) and each state Regulatory Authority having jurisdiction, such access to books and records as is necessary for each Party to perform its

obligations under this Agreement, the PJM Tariff, and any service agreements thereunder, to comply with the requirements of Regulatory Authorities, and to audit and verify transactions under this Agreement. Such access shall be at reasonable times and under reasonable conditions. Each Party shall comply with the reporting requirements of Regulatory Authorities having jurisdiction over the Party with respect to the business aspects of their operations, and shall maintain such accounting records and metering data as is necessary to perform its obligations under this Agreement.

4.2 Operating Committee

4.2.1 An Operating Committee shall administer the interconnected operation of the Parties' systems as provided for in this Agreement. The Parties shall each appoint one member and one alternate to the Operating Committee and designate, in writing, said appointments to the other Party. Such representatives and alternates shall be persons familiar with the Transmission Facilities and Distribution Facilities of the Parties they represent and shall be fully authorized to perform the principal duties listed below.

4.2.2 Duties of the Operating Committee. The principal duties of the Operating Committee shall be as follows:

- a. to establish operating and control procedures;
- b. to establish accounting and billing procedures;
- c. to coordinate maintenance schedules to an extent agreed by the Parties; and
- d. to perform those duties, which this Agreement requires to be done by the Operating Committee, and such other duties as may be required for the proper performance of this Agreement.

4.2.3 Limitations on Operating Committee Duties. The Operating Committee shall not amend or modify any of the terms or conditions of this Agreement.

4.2.4 Operating Committee. If the Operating Committee is unable to agree on any matter coming under its jurisdiction, that matter shall be submitted for resolution under the arbitration procedures specified in Article VIII of this Agreement.

ARTICLE V TERM AND TERMINATION

5.1 This Agreement shall be effective as of the date of execution by both Parties and PJM's acknowledgement or such later date as FERC may authorize, and shall remain in effect for a term of ten (10) years thereafter. Following the initial ten (10) year term, this Agreement shall remain in place from year-to-year unless terminated by either Party upon not less than one (1) year's prior written notice. Either Party may provide notice of termination after the conclusion of the ninth (9th) year of this Agreement.

5.2 The Parties' obligation to make any payments owing or due under this Agreement or to complete the construction of specific facilities agreed to prior to termination of this Agreement

shall survive the termination of this Agreement.

ARTICLE VI REGULATORY APPROVALS

6.1 Regulatory Authorities. This Agreement is subject to acceptance or approval by FERC and may be subject to the actions of Regulatory Authorities to which the Parties may be subject and which may affect the ability of the Parties to participate in this Agreement.

6.2 Renegotiation. If any provision of this Agreement, or the application thereof to any person, entity, or circumstance, is held by a Regulatory Authority or court of competent jurisdiction to be invalid, void, or unenforceable, then the Parties shall endeavor in good faith to negotiate such amendment or amendments to this Agreement as will restore the relative benefits and obligations of the Parties under this Agreement immediately prior to such holding.

ARTICLE VII INDEMNITY

To the extent permitted by law, each Party shall indemnify, save harmless, and defend the other Party from and against any losses, damages, liabilities, costs, expenses, suits, actions, claims, and all other obligations arising out of injuries or death to persons or damage to property caused by or in any way attributable to the ownership or operation of the facilities of the owning Party (individually, a "Loss"), except that the indemnifying Party's obligation to indemnify the other Party shall not apply to the extent of any liabilities arising from such other Party's negligence. Further, to the extent that a Party's immunity as a complying employer, under the worker's compensation and occupational disease laws, might serve to bar or affect recovery under or enforcement of the indemnification otherwise granted herein, each Party agrees to waive its immunity. For the purposes of this Article VII only, the term "Party" shall include the directors, officers, employees, affiliates and agents of a Party eligible for indemnification under this Article VII.

ARTICLE VIII ARBITRATION

8.1 Submission to Arbitration. In the event of disagreement between the Parties with respect to (1) any matter herein specifically made subject to arbitration, (2) any question of operating practice involved in performance of this Agreement, (3) any question of fact involved in the application of provisions of this Agreement, or (4) the interpretation of any provision of this Agreement, the matter involved in the disagreement shall, upon request of either Party, be submitted to arbitration in the manner hereinafter provided.

8.2 Appointment of Arbitrators. The Party requesting arbitration shall serve notice in writing upon the other Party, setting forth in detail the subject or subjects to be arbitrated, and the Parties thereupon shall endeavor to agree upon and appoint one person to act as sole arbitrator. If the Parties fail to agree within a period of fifteen (15) days from the receipt of the original notice, the Party requesting the arbitration shall, by written notice to the other Party, request the

appointment of a board of arbitrators skilled with respect to matters of the character involved in the disagreement, naming one arbitrator in such notice. The other Party shall, within ten (10) days after the receipt of such notice, appoint a second arbitrator, and the two so appointed shall choose and appoint a third. In case such other Party fails to appoint an arbitrator within said ten (10) days, or in case the two so appointed fail for ten (10) days to agree upon and appoint a third, the Party requesting the arbitration, upon five (5) days' written notice delivered to the other Party, shall apply to the person who at the time shall be the most senior Judge of the United States District Court having jurisdiction in Ohio for appointment of the second or third arbitrator, as the case may be.

8.3 Arbitration. The sole arbitrator, or the board of arbitrators, shall afford adequate opportunity to the Parties to present information with respect to the question or questions submitted for arbitration and may request further information from either or both Parties. The findings and award of the sole arbitrator or of a majority of the board of arbitrators shall be final and conclusive with respect to the question or questions submitted for arbitration and shall be binding upon the Parties, provided that such findings and award shall not in any way vary the expressed terms of this Agreement or in any way extend the expressed scope and intent hereof. Each Party shall pay for the services and expenses of the arbitrator appointed on their behalf. If there is a board of arbitrators, all costs incurred in connection with the arbitration shall be paid in equal parts by the Parties hereto, unless the award shall specify a different division of the costs.

ARTICLE IX MISCELLANEOUS PROVISIONS

9.1 Descriptive Headings. The descriptive headings of Articles, Sections, Paragraphs, Subparagraphs, and other provisions of this Agreement have been inserted for convenience of reference only and shall not define, modify, restrict, construe, or otherwise affect the construction or interpretation of any of the provisions of this Agreement.

9.2 Governing Law. This Agreement shall be interpreted, construed, and governed by the laws of the State of Ohio, except to the extent preempted by the laws of the United States of America.

9.3 Counterparts. This Agreement may be executed in any number of counterparts, each of which shall be deemed to be an original, but all of which together shall constitute one and the same instrument, binding upon the Parties.

9.4 Waiver.

9.4.1 Waiver. Any waiver at any time by either Party of its rights with respect to default under this Agreement, or with respect to any other matter arising in connection with this Agreement, shall not be deemed a waiver with respect to any subsequent default or matter. Any delay, short of the statutory period of limitation, in asserting or enforcing any right under this Agreement, shall not be deemed a waiver of such right.

9.4.2 No Implied Waiver. The failure of a Party to insist upon or enforce strict performance of

any of the specific provisions of this Agreement at any time shall not be construed as a waiver or relinquishment to any extent of such Party's right to assert or rely upon any such provisions, rights, or remedies in that or any other instance, or as a waiver to any extent of any specific provision of this Agreement; rather the same shall be and remain in full force and effect.

9.5 Further Assurances. Each Party agrees that it shall hereafter execute and deliver such further instruments, provide all information, and take or forbear such further acts and things as may be reasonably required or useful to carry out the intent and purpose of this Agreement and as are not inconsistent with the provisions of this Agreement.

9.6 Delivery of Notices. Except as otherwise expressly provided herein, notices required under this Agreement shall be in writing and shall be sent to the Parties by U.S. mail, overnight courier, hand delivery, facsimile, or other reliable electronic means. Any notice required under this Agreement shall be deemed to have been given either upon delivery, if by U.S. mail, overnight courier, or hand delivery, or upon confirmation, if given by facsimile or other reliable electronic means.

9.7 Entire Agreement. This Agreement, including the appendices attached hereto, the Agency Agreement, the Capital Contribution Agreement, Ground Lease, and other agreements referenced herein constitute the entire agreement among the Parties with respect to the subject matter of this Agreement, and no previous or contemporary oral or written representations, agreements, or understandings made by any director, officer, agent, or employee of the Parties shall be binding on the other unless contained in this Agreement, including the appendices attached hereto, the Transmission Tariff, service agreements thereunder, the Agency Agreement, the Bill of Sale, Ground Lease, or other agreements referenced herein. No amendment, modification or change in this Agreement shall be valid and enforceable unless reduced in writing and executed by the Parties.

9.8 Good Faith Efforts. Each Party agrees that it shall in good faith take all reasonable actions necessary to fulfill its obligations under this Agreement. Where the consent, agreement, or approval of any Party must be obtained hereunder, such consent, agreement, or approval shall not be unreasonably withheld, conditioned, or delayed. Where any Party is required or permitted to act, or omit to act, based on its opinion or judgment, such opinion or judgment shall not be unreasonably exercised. To the extent that the jurisdiction of any Regulatory Authorities applies to any part of this Agreement or the transactions or actions covered by this Agreement, each Party shall cooperate to secure any necessary or desirable approval or acceptance of such Regulatory Authorities of such part of this Agreement or such transactions or actions.

9.9 Third-Party Agreements. This Agreement, including the appendices to this Agreement, the PJM Tariff, the service agreements thereunder, the Agency Agreement, Capital Contribution Agreement, and the Ground Lease, and other agreements referenced herein, shall not be construed, interpreted or applied in such a manner as to cause a Party to be in material breach, anticipatory or otherwise, of any agreement between the Party and one or more third parties who are not Parties to this Agreement for the joint ownership, operation, or maintenance of any electrical facilities covered by this Agreement, the Transmission Tariff, or the Agency Agreement. A Party that has such a third-party joint agreement shall discuss with the other

Parties any material conflict between such third-party joint agreement and this Agreement, the PJM Tariff, or the Agency Agreement raised by a third party to such joint agreement, and shall act in good faith to resolve such conflict in accordance with Good Utility Practice.

9.10 Liability.

9.10.1 Nothing in this Agreement shall be construed to create or give rise to any liability on the part of PJM and each Party expressly waives any claims that may arise against PJM under this Agreement.

9.10.2 The Parties acknowledge and understand that the signature of the authorized representative of PJM on this Agreement is for the limited purpose of acknowledging that representatives of PJM have read the terms of this Agreement. The Parties and PJM further state that they understand that FERC desires that the Parties keep PJM fully apprised of the matters addressed herein as well as any reliability and planning issues that may arise under this Agreement, and that the signature of the PJM ~~officer-representative~~ shall not in any way be deemed to imply that (a) PJM is taking responsibility for the actions of any Party, (b) PJM has any affirmative duties under this Agreement, or (c) PJM is liable in any way under this Agreement.

9.11 Assignment. This Agreement shall inure to the benefit of and be binding upon the successors and assigns of the Parties. Successors and assigns of PJM shall become signatories to this Agreement for the limited purpose described herein applicable to PJM. This Agreement shall not be assigned by either Party without the written consent of the other Party, which consent shall not be reasonably withheld, except to a successor to which substantially all of the business and assets of such Party shall be transferred or to an affiliate of the assigning Party for the purposes of a corporate restructuring.

9.12 Written Notices. Notices and communication made pursuant to this Agreement shall be deemed to be properly given if delivered in writing, postage paid to the following:

If to MAIT:

Manager, Agreements Support
FirstEnergy Service Company
76 S. Main Street – 10th Floor
Akron, OH 44308

Legal Department
FirstEnergy Service Company
76 S. Main Street
Akron, OH 44308

If to Penelec:

Manager, Agreements Support
FirstEnergy Service Company
76 S. Main Street – 10th Floor
Akron, OH 44308

Legal Department
FirstEnergy Service Company
76 S. Main Street
Akron, OH 44308

If to PJM:

Vice President-Government Policy
PJM Interconnection, L.L.C.
1200 G Street, NW, Suite 600

General Counsel
PJM Interconnection, L.L.C.
2750 Monroe Blvd.

Washington, DC 20005

Audubon, PA 19403

The above listed titles and addresses for a Party or PJM may be changed by written notice to all other Parties and PJM.

9.13 Rights under Sections 205 and 206. Nothing contained in this Agreement shall be construed as affecting in any way, the right of a Party furnishing service under this Agreement to unilaterally make application to FERC for a change in the rates and charges or other terms and conditions of this Agreement under Section 205 of the Federal Power Act and pursuant to the FERC's Rules and Regulations promulgated thereunder or any Party receiving service to file a complaint seeking changes in rates and charges or other terms and conditions of this Agreement under Section 206 of the Federal Power Act.

IN WITNESS WHEREOF, the Parties have caused their duly authorized representatives ~~to execute~~to execute and attest this Agreement, on their respective behalf, as of the Effective Date noted above.

/s/Gregory F. Hussing
Signature

Gregory F. Hussing
Director, FERC & RTO Tech Support
Title of Authorized Signatory
MID-ATLANTIC INTERSTATE
TRANSMISSION, LLC
By: FirstEnergy Transmission, LLC
its sole member

/s/Thomas R. Pryatel
Signature

Thomas R. Pryatel
Director, ED Operations Services
Title of Authorized Signatory
PENNSYLVANIA ELECTRIC COMPANY

Service Agreement No. 4578

The signature below of the authorized representative of PJM Interconnection, L.L.C. is for the limited purpose of acknowledging that a representative of PJM has read this Agreement as of _____, September 8, 2022.

PJM INTERCONNECTION, L.L.C.

By: /s/ David W. Souder
(Signature)

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Name: David W. Souder
(Print)

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Title: Executive Director, System Planning

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APPENDIX A

AGENCY AGREEMENT

Through this Agency Agreement, Pennsylvania Electric Company (Penelec) authorizes Mid-Atlantic Interstate Transmission, LLC ("MAIT") to provide transmission service over certain facilities as detailed below.

The definitions specified in the Operating and Interconnection Agreement ("Agreement") are incorporated herein by reference.

RECITALS

- A. WHEREAS, MAIT owns and operates the Transmission Facilities, which were previously owned by Penelec. PJM has functional control over the Transmission Facilities provides open access transmission service across the Transmission Facilities in accordance with the PJM Tariff filed with FERC.
- B. WHEREAS, Penelec will retain ownership of Distribution Facilities that may be used in part to provide transmission service under the PJM Tariff to certain Penelec wholesale customers.
- C. WHEREAS, in order for MAIT to offer transmission service to these customers under the PJM Tariff, it is necessary that the MAIT be authorized by Penelec to act as its agent.
- D. WHEREAS, Penelec wishes to enter into this Agency Agreement to authorize MAIT to act as its agent with regard to the use of the Distribution Facilities for transmission service to certain Penelec wholesale customers and for other purposes as specified herein and in the Agreement.

TERMS OF AGREEMENT

1. Rates for Transmission Service over the Distribution Facilities

The rates for transmission service over the Distribution Facilities are as provided in the PJM Tariff. In the event of any conflict between any provision of this Agency Agreement and the PJM Tariff, the PJM Tariff shall control.

2. Appointment of MAIT as Agent

Penelec appoints MAIT as its agent to provide transmission service on behalf of Penelec to wholesale customers using Distribution Facilities to connect to the MAIT Transmission System.

Penelec will cooperate with MAIT in developing the rates charged for use of its Distribution Facilities ("Distribution Adder"). MAIT will arrange for rate filings with FERC under Section

205 of the Federal Power Act to establish or modify the Distribution Adder.

Penelec will provide the necessary support for any filing under Section 205 of the Federal Power Act to establish the Distribution Adder.

Penelec will commit, where necessary, Distribution Facilities used to provide transmission service to wholesale customers as required for the performance of service agreements under the PJM Tariff.

3. Performance by Penelec

Penelec will provide all services necessary or appropriate for performance under the PJM Tariff, and service agreements thereunder, for wholesale transmission service using its Distribution Facilities. Upon MAIT's request, Penelec will provide MAIT with all information necessary to permit MAIT to perform its administration functions under the PJM Tariff.

4. Payment to Penelec

MAIT, in coordination with PJM, will make appropriate arrangements for (a) billing and collection of any Distribution Adder, and (b) the distribution to Penelec of all revenues collected from the Distribution Adder.

5. Effectiveness, Duration of Agency Agreement and Withdrawal Rights

The Agency Agreement is effective on the Effective Date as defined in the Agreement. The Agency Agreement will terminate upon mutual agreement of MAIT and Penelec.

6. Integration and Amendment

This is an integrated agreement which contains all terms and conditions of agreement among the Parties concerning the subject matter. Any prior or oral agreements concerning the subject matter not stated herein are superseded by this Agency Agreement. This Agency Agreement may be amended only by a writing executed by both Parties.

7. Authority

The Parties represent that the person executing this agreement on their behalf is authorized to execute this agreement and bind the Parties to its terms, and that such authorization has been made in compliance with all applicable laws, articles of incorporation, bylaws, and resolutions and in a manner that the authorization is binding upon Penelec and MAIT.

Signature

Director, FERC & RTO Tech Support

Title of Authorized Signatory

MID-ATLANTIC INTERSTATE

TRANSMISSION, LLC

By: FirstEnergy Transmission LLC,
its sole member

Signature

Director, FERC Compliance

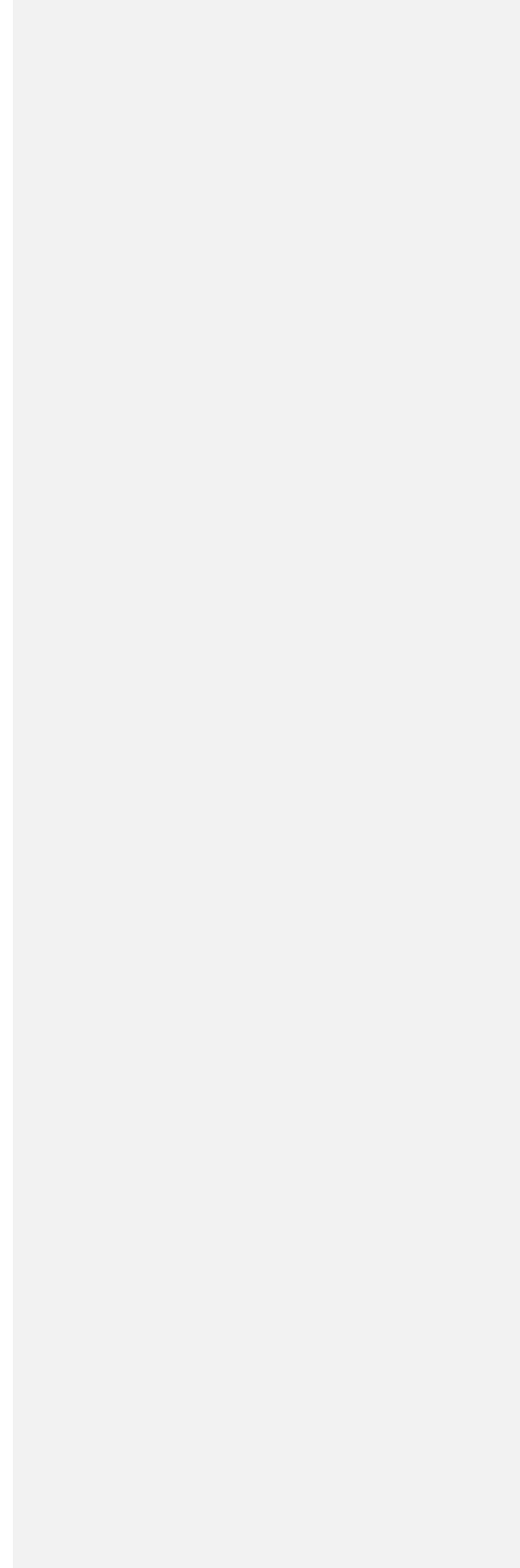
Title of Authorized Signatory

PENNSYLVANIA ELECTRIC COMPANY

APPENDIX B

INTERCONNECTION POINTS

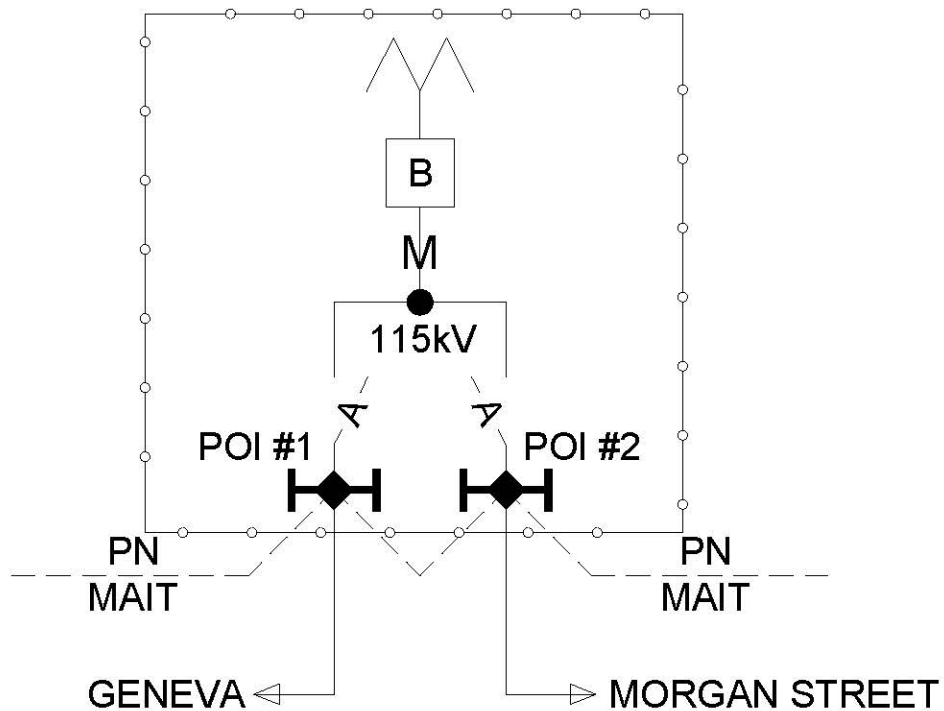
The Points of Interconnection are specified in the one-line diagrams attached to this Appendix B.



APPENDIX C

DAS EQUIPMENT: OWNERSHIP, INSTALLATION AND MAINTENANCE

Any real-time data requirements defined in the PJM manuals, including PJM Manual 01 - Control Center and Data Exchange Requirements, and PJM Manual 03 - Transmission Operations, shall be provided to PJM to allow PJM to comply with its roles as reliability coordinator, balancing authority, and transmission operator.



AIR PRODUCTS SUBSTATION

◆ = POI #1 LOCATED AT CUSTOMER DEAD-END.

POI #2 LOCATED AT CUSTOMER DEAD-END.

M = REVENUE METERING FOR CUSTOMER IS OWNED, OPERATED, AND MAINTAIN BY PENELEC.

OPERATIONAL METERING IS OWNED, OPERATED, AND MAINTAINED BY THE PARTY OWNING THE METERING AND WILL BE PROVIDED TO RTO ICCP

FirstEnergy

Energy Delivery Technical Services

MAIT INTERCONNECTION FOR AIR PRODUCTS SUBSTATION

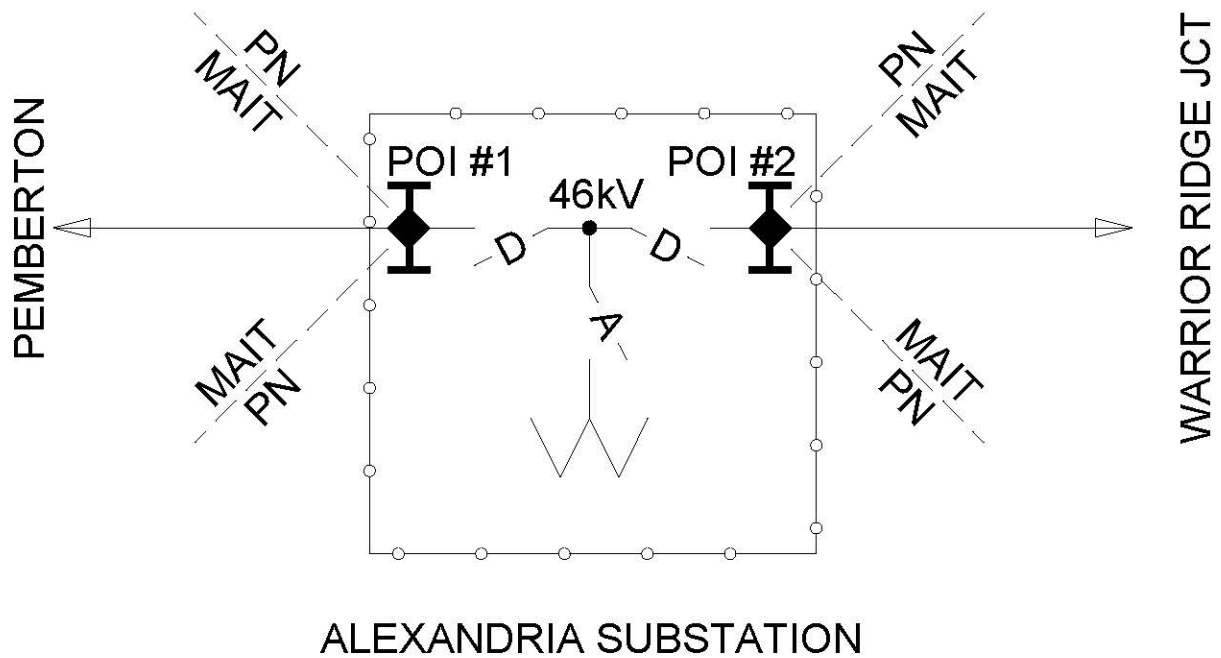
BY: AMF
APP: LAP

DATE: 10/11/16
ISSUE: FINAL

AGREEMENT
MAIT-PN ISA

DOC. ID
PN-2408-93-01

REV.
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◆ = POI #1 LOCATED AT DEAD-END.

POI #2 LOCATED AT DEAD-END.

OPERATIONAL METERING WILL BE OWNED OPERATED
AND MAINTAINED BY THE PARTY OWNING THE
METERING AND WILL BE PROVIDED TO RTO ICCP

FirstEnergy

Energy Delivery Technical Services

TITLE
MAIT-PN INTERCONNECTIONS FOR ALEXANDRIA SUBSTATION

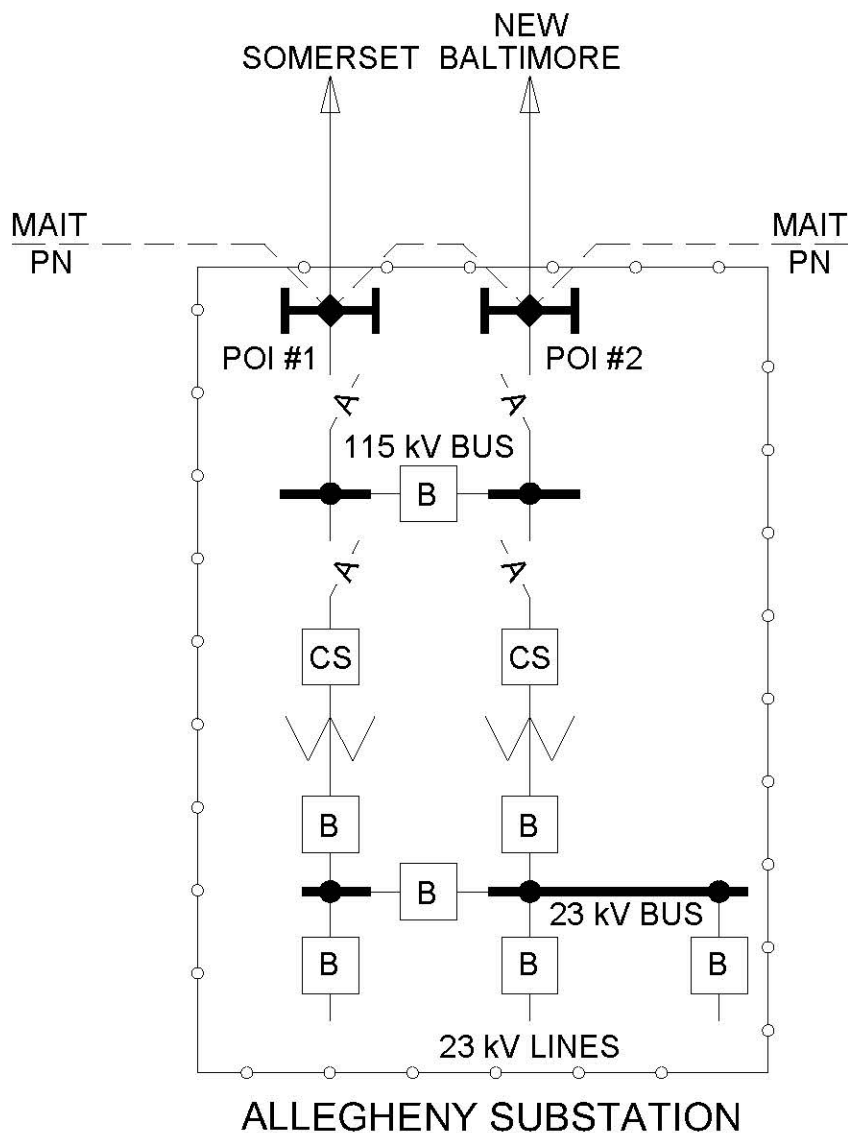
BY: LAP
APP: LAP

DATE: 10/6/16
ISSUE: FINAL

AGREEMENT
MAIT-PN ISA

DOC. ID
PN-3-93-01

REV.
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◆ = POI #1 LOCATED AT DEAD-END.

POI #2: LOCATED AT DEAD-END.

OPERATIONAL METERING WILL BE OWNED OPERATED AND MAINTAINED BY THE PARTY OWNING THE METERING AND WILL BE PROVIDED TO RTO ICCP.

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Energy Delivery Technical Services

TITLE
MAIT-PN INTERCONNECTIONS FOR ALLEGHENY SUBSTATION

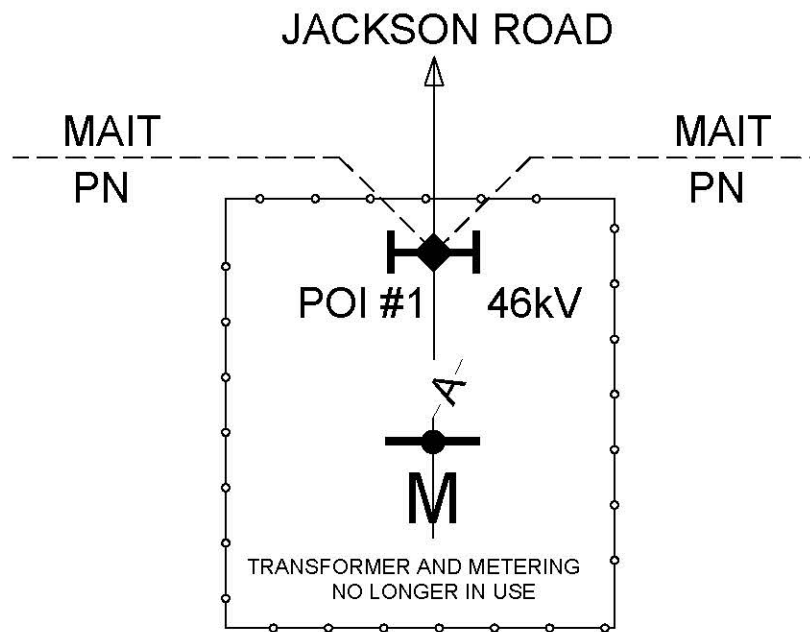
BY: AMF
APP: LAP

DATE: 8/15/16
ISSUE: FINAL

AGREEMENT
MAIT-PN ISA

DOC. ID
PN-4-93-01

REV.
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AMPFIRE MINING SUBSTATION

◆ = POI #1 LOCATED AT CUSTOMER DEAD-END.

M = REVENUE METERING IS OWNED, OPERATED, AND MAINTAINED BY PENELEC.

OPERATIONAL METERING WILL BE OWNED, OPERATED, AND MAINTAINED BY THE PARTY OWNING THE METERING AND WILL BE PROVIDED TO RTO ICCP

FirstEnergy[®]

Energy Delivery Technical Services

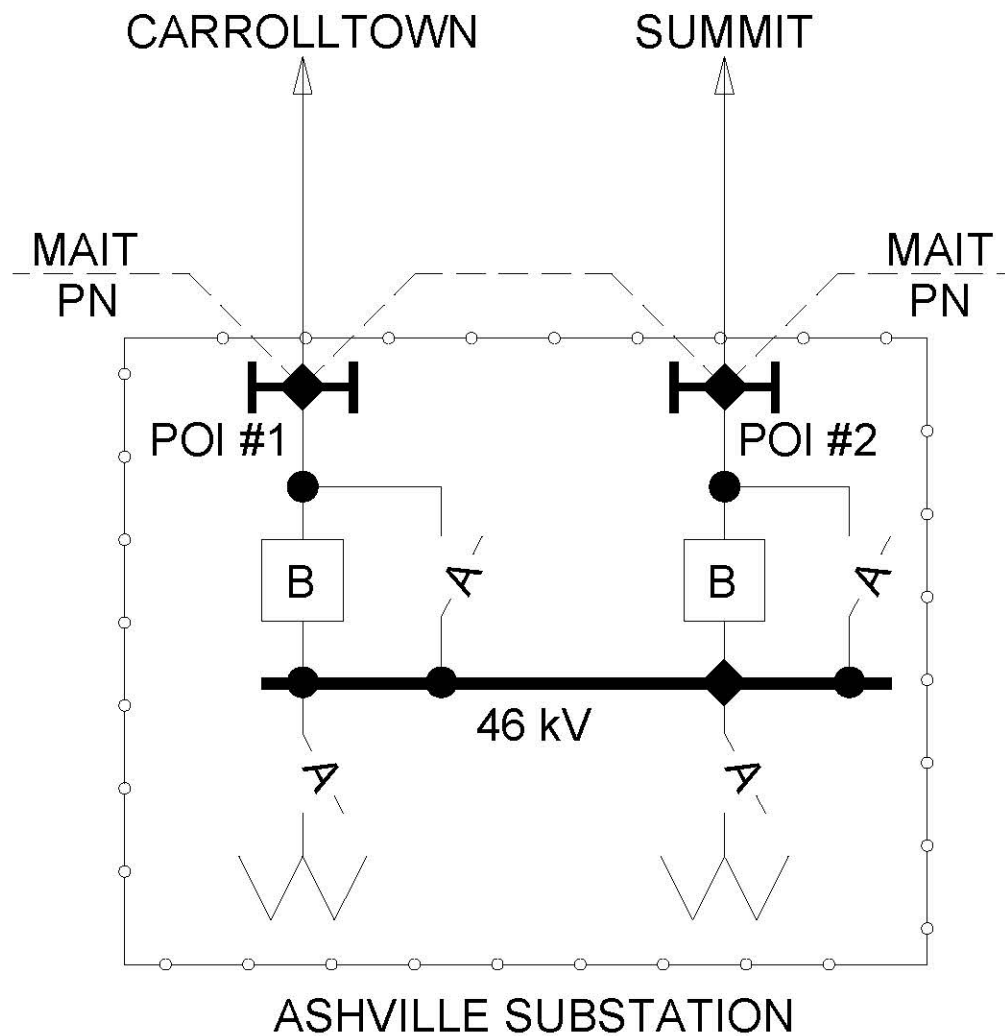
MAIT INTERCONNECTION FOR AMPFIRE MINING SUBSTATION

BY: J L M DATE: 06/21/2016
APP: - ISSUE: FINAL

MAIT-PN ISA

PN-2000-93-01

REV.
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POI #1 LOCATED AT DEAD-END.

POI #2 LOCATED AT DEAD-END.

OPERATIONAL METERING WILL BE OWNED OPERATED AND MAINTAINED BY THE PARTY OWNING THE METERING AND WILL BE PROVIDED TO RTO ICCP

FirstEnergy

Energy Delivery Technical Services

MAIT-PN INTERCONNECTIONS FOR ASHVILLE SUBSTATION

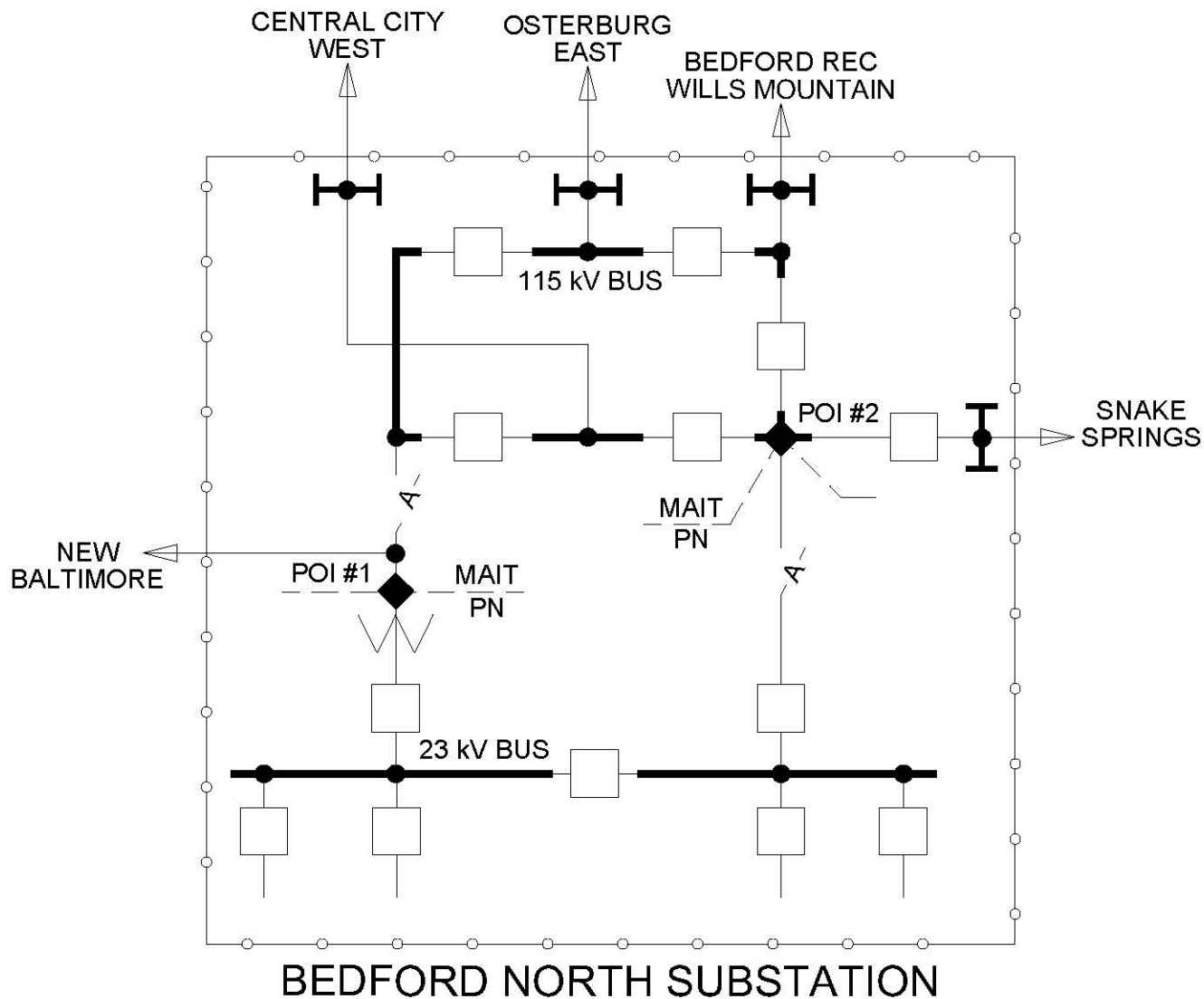
BY: AMF
APP: LAP

DATE: 10/7/16
ISSUE: FINAL

AGREEMENT
MAIT-PN ISA

DOC. ID
PN-10-93-01

REV.
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= POI #1 LOCATED ON THE LINE-SIDE OF THE TRANSFORMER DISCONNECT SWITCH, AFTER NEW BALTIMORE TAP AND BEFORE TRANSFORMER TERMINATIONS.

POI #2 LOCATED AT MAIT OWNED SUBSTATION 115 kV BUS TAP

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Energy Delivery Technical Services

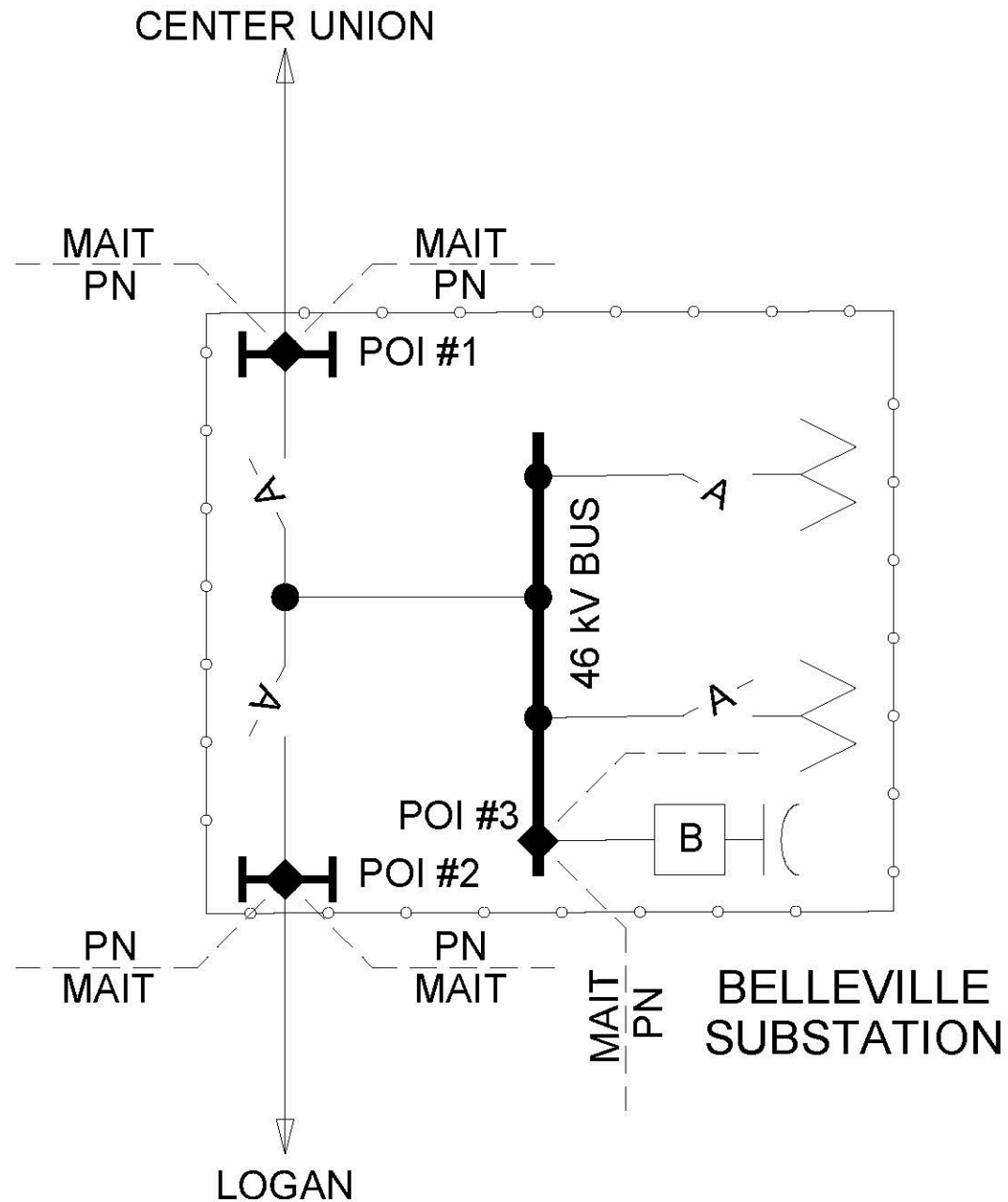
TITLE
MAIT-PN INTERCONNECTIONS FOR BEDFORD NORTH SUBSTATION

BY: LAP / J.L.M. DATE: 07/12/2018
APP: LAP ISSUE: FINAL

AGREEMENT
MAIT-PN ISA

DOC. ID
PN-18-93-01

REV.
2



◆ = POI #1 LOCATED AT DEAD-END.

POI #2 LOCATED AT DEAD-END.

POI #3 LOCATED AT BUS TAP FOR CAPBANK

OPERATIONAL METERING WILL BE OWNED OPERATED AND MAINTAINED BY THE PARTY OWNING THE METERING AND WILL BE PROVIDED TO RTO ICCP.

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Energy Delivery Technical Services

MAIT-PN INTERCONNECTIONS FOR BELLEVILLE SUBSTATION

BY: AMF
APP: LAP

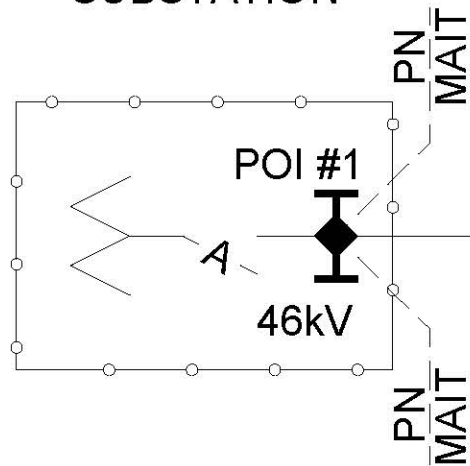
DATE: 10/6/16
ISSUE: FINAL

AGREEMENT
MAIT-PN ISA

DOC. ID
PN-20-93-01

REV.
-

BELLEVILLE NEW HOLLAND SUBSTATION



LOGAN



WARRIOR RIDGE

POI #1 LOCATED AT DEAD-END.

OPERATIONAL METERING WILL BE OWNED OPERATED
AND MAINTAINED BY THE PARTY OWNING THE
METERING AND WILL BE PROVIDED TO RTO ICCP

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Energy Delivery Technical Services

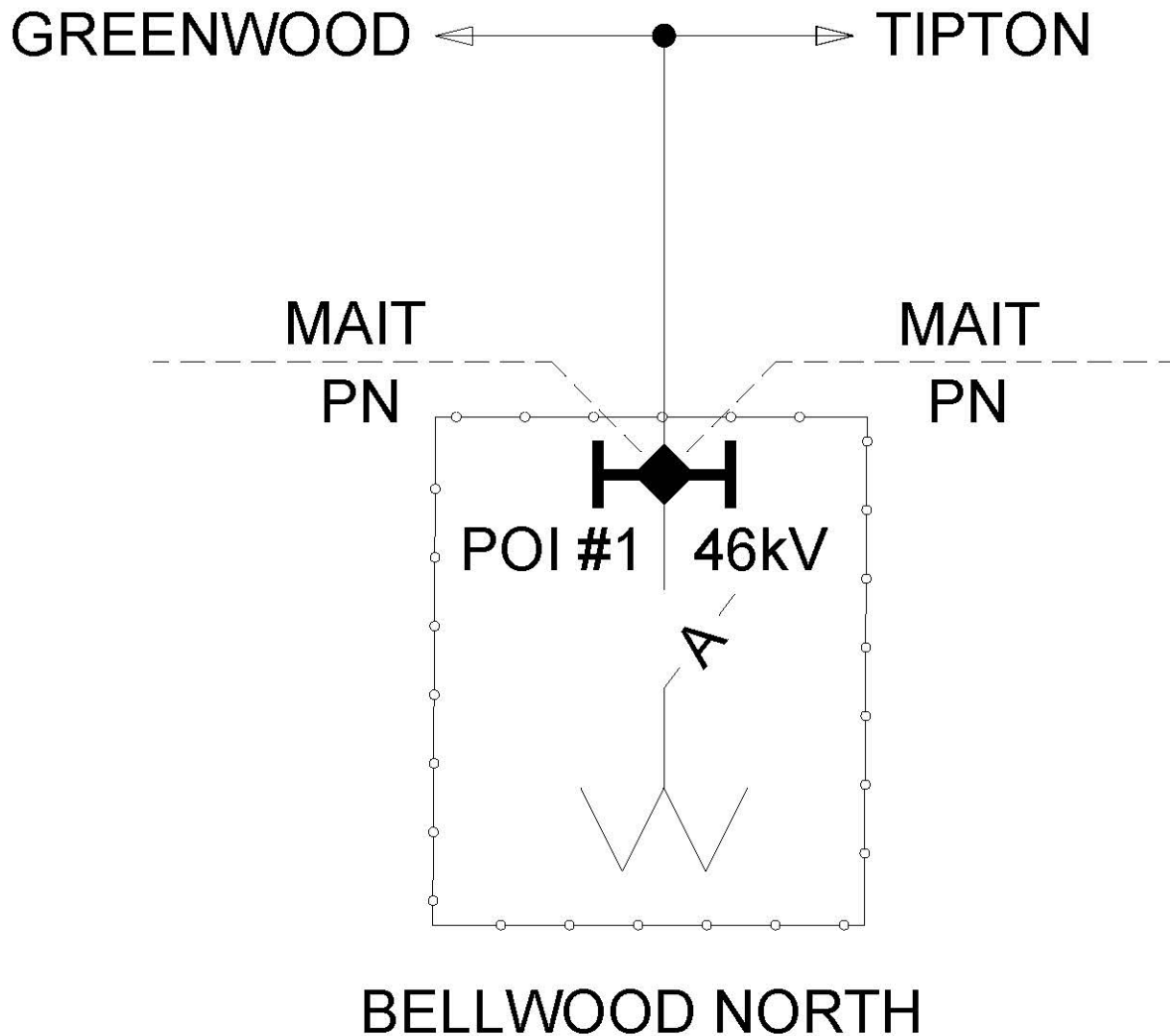
MAIT-PN INTERCONNECTIONS FOR BELLEVILLE NEW HOLLAND SUBSTATION

BY: AMF	DATE: 10/6/16
APP: LAP	ISSUE: FINAL

MAIT-PN ISA

PN-21-93-01

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◆ = POI #1 LOCATED AT DEAD-END.

OPERATIONAL METERING IS OWNED, OPERATED, AND MAINTAINED BY THE PARTY OWNING THE METERING AND WILL BE PROVIDED TO RTO ICCP

FirstEnergy

Energy Delivery Technical Services

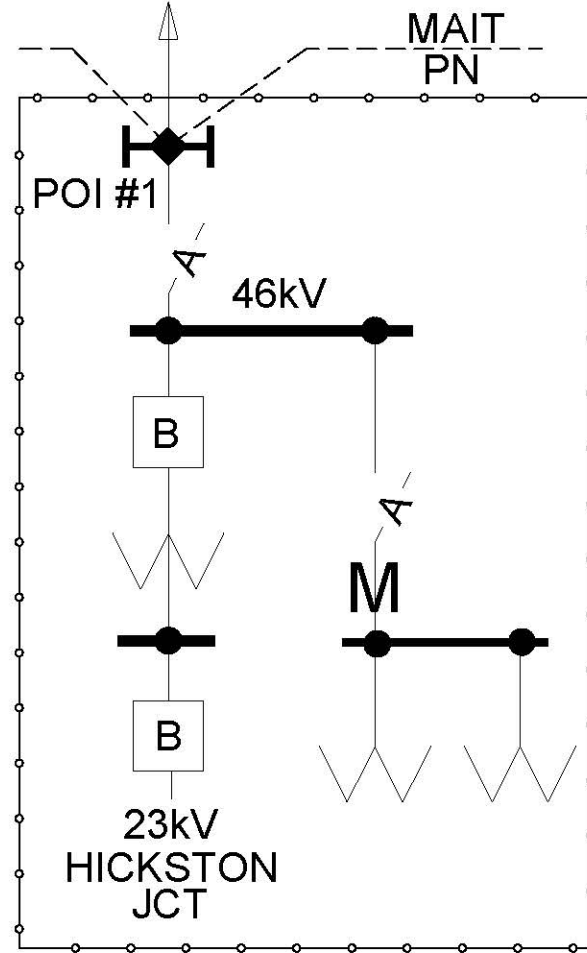
TITLE
MAIT-PN INTERCONNECTIONS AT BELLWOOD NORTH SUBSTATION

BY: AMF	DATE: 10/6/2016
APP: LAP	ISSUE: FINAL

AGREEMENT
MAIT-PN ISA

DOC. ID	REV.
PN-22-93-01	-

BETHLEHEM GILLEN- JACKSON ROAD



BETHGILLEN SUBSTATION

◆ = POI #1 LOCATED AT DEAD-END.

OPERATIONAL METERING WILL BE OWNED, OPERATED,
AND MAINTAINED BY THE PARTY OWNING THE
METERING AND WILL BE PROVIDED TO RTO ICCP

M = REVENUE METERING IS OWNED, OPERATED, AND
MAINTAINED BY PENELEC.

FirstEnergy

Energy Delivery Technical Services

MAIT-PN INTERCONNECTIONS FOR BETHGILLEN SUBSTATION

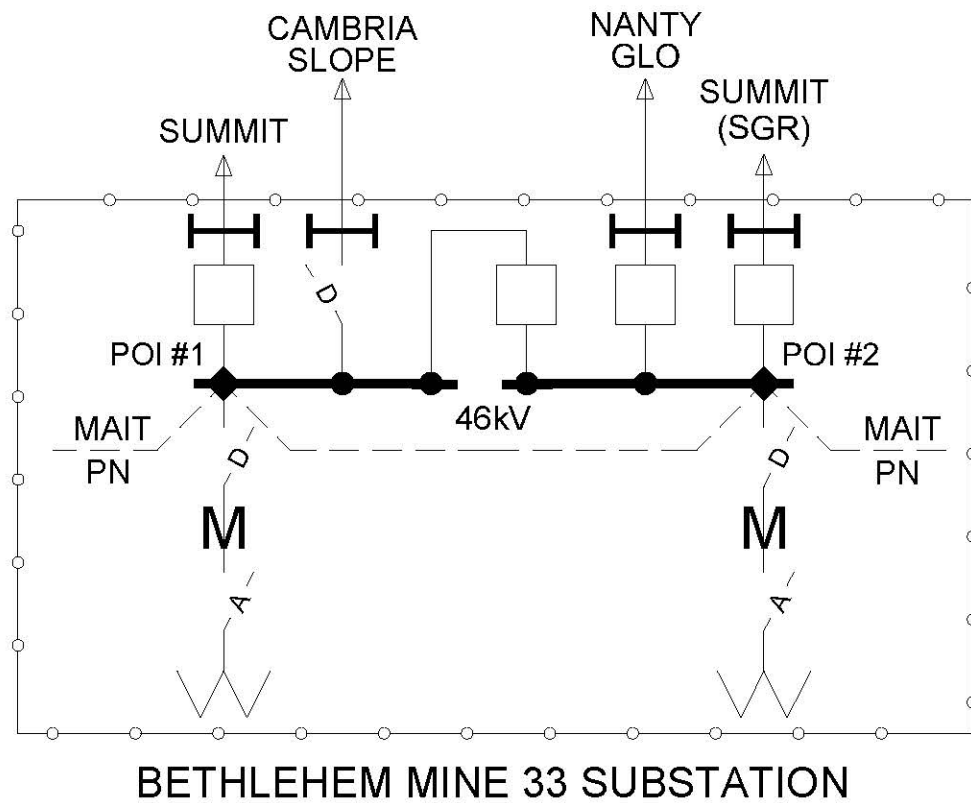
BY: J L M DATE: 10/7/2016
APP: - ISSUE: FINAL

MAIT-PN IA

AGREEMENT

PN-29-93-01

REV.
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◆ = POI #1 LOCATED AT SUBSTATION 46 kV BUS TAP

POI #2 LOCATED AT SUBSTATION 46 kV BUS TAP

M = OPERATIONAL METERING

FirstEnergy

Energy Delivery Technical Services

TITLE
MAIT-PN INTERCONNECTIONS FOR BETHLEHEM MINE 33 SUBSTATION

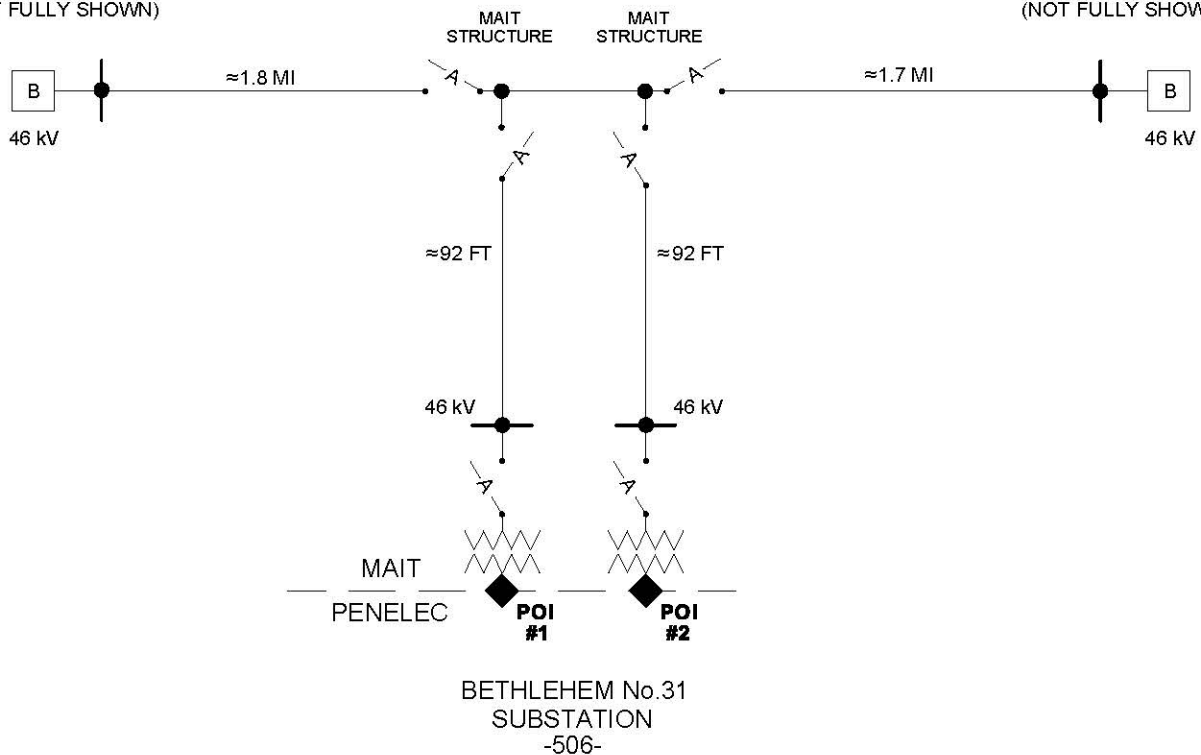
BY: AMF / J L M	DATE: 06/12/2018
APP: LAP	ISSUE: FINAL

AGREEMENT
MAIT-PN ISA

DOC. ID	REV.
PN-447-93-01	2

JACKSON ROAD
SUBSTATION
(NOT FULLY SHOWN)

NANTY GLO
SUBSTATION
(NOT FULLY SHOWN)



◆ = POI #1 & POI #2, LOCATED ON THE SECONDARY SIDE
BUSHINGS OF THE MAIT OWNED TRANSFORMERS

OPERATIONAL METERING WILL BE OWNED, OPERATED, AND
MAINTAINED BY THE PARTY OWNING THE METERING AND WILL
BE PROVIDED TO RTO ICCP

FirstEnergy

Energy Delivery Technical Services

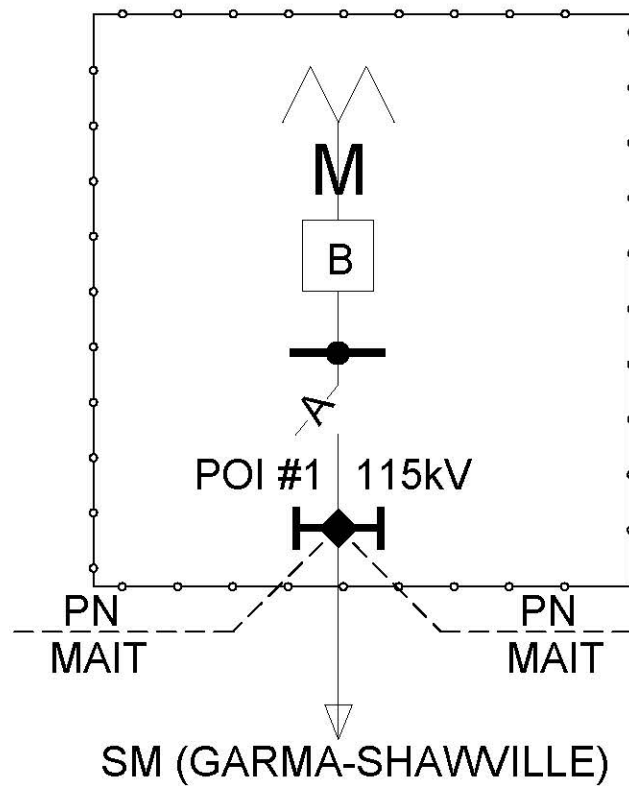
TITLE
**MAIT BETHLEHEM No.31 SUBSTATION INTERCONNECTIONS
TO PENELEC (PN)**

BY: J L M DATE: 06/04/2018
APP: - ISSUE: FINAL

AGREEMENT

DOC. ID REV.

POI-MAIT-PN-506-93-01.dwg -



BIONOL CLEARFIELD SUBSTATION

◆ = POI #1 LOCATED AT CUSTOMER DEAD-END.

M = REVENUE METERING IS OWNED, OPERATED, AND MAINTAINED BY PENELEC.

OPERATIONAL METERING WILL BE OWNED, OPERATED, AND MAINTAINED BY THE PARTY OWNING THE METERING AND WILL BE PROVIDED TO RTO ICCP

FirstEnergy

Energy Delivery Technical Services

MAIT INTERCONNECTION FOR BIONOL CLEARFIELD SUBSTATION

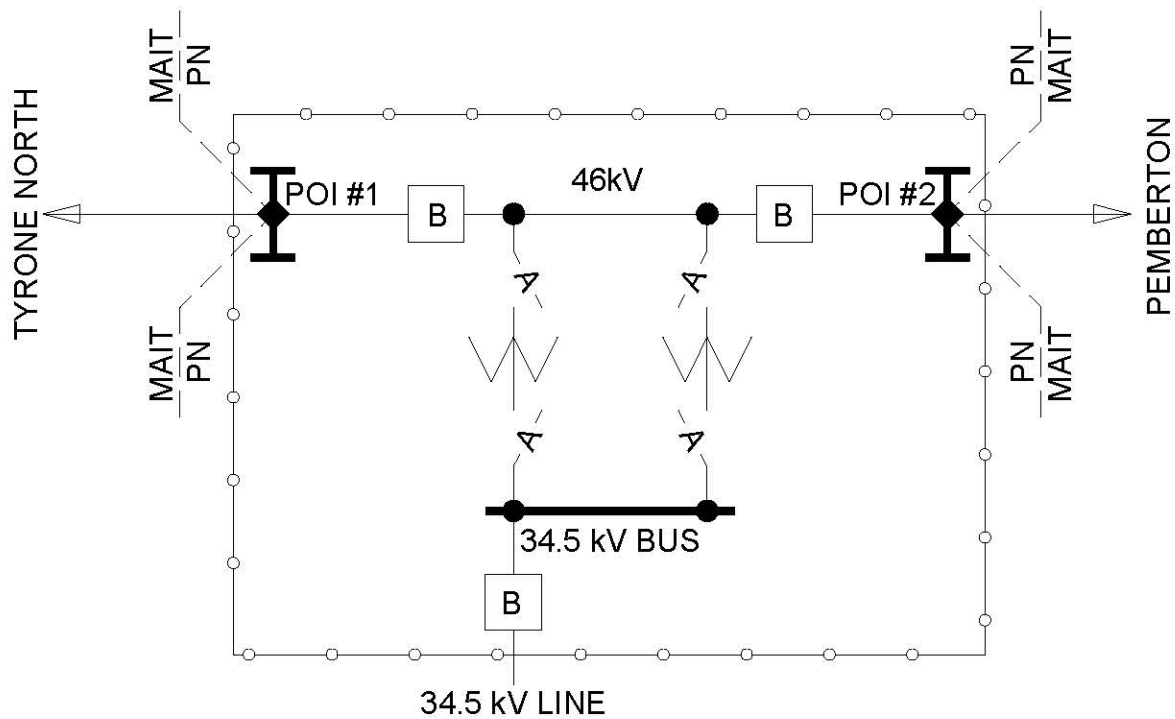
BY: J L M DATE: 10/11/2016
APP: - ISSUE: FINAL

MAIT-PN ISA

AGREEMENT

PN-3140-93-01

DOC. ID
REV.
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BIRMINGHAM SUBSTATION

◆ = POI #1 & POI #2 LOCATED AT DEAD-END.

OPERATIONAL METERING WILL BE OWNED OPERATED AND MAINTAINED BY THE PARTY OWNING THE METERING AND WILL BE PROVIDED TO RTO ICCP.

FirstEnergy

Energy Delivery Technical Services

MAIT-PN INTERCONNECTIONS FOR BIRMINGHAM SUBSTATION

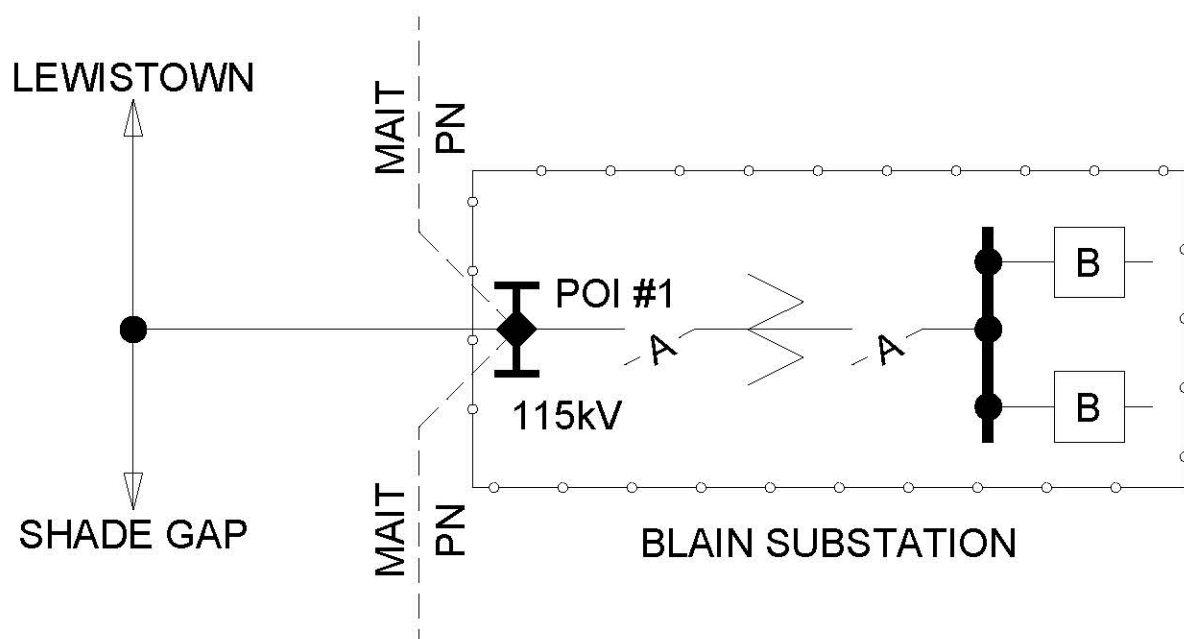
BY: AMF
APP: LAP

DATE: 10/6/16
ISSUE: FINAL

AGREEMENT
MAIT-PN ISA

DOC. ID
PN-32-93-01

REV.
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◆ = POI #1 LOCATED AT DEAD-END.

OPERATIONAL METERING IS OWNED, OPERATED, AND MAINTAINED BY THE PARTY OWNING THE METERING AND WILL BE PROVIDED TO RTO ICCP

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Energy Delivery Technical Services

MAIT-PN INTERCONNECTIONS FOR BLAIN SUBSTATION

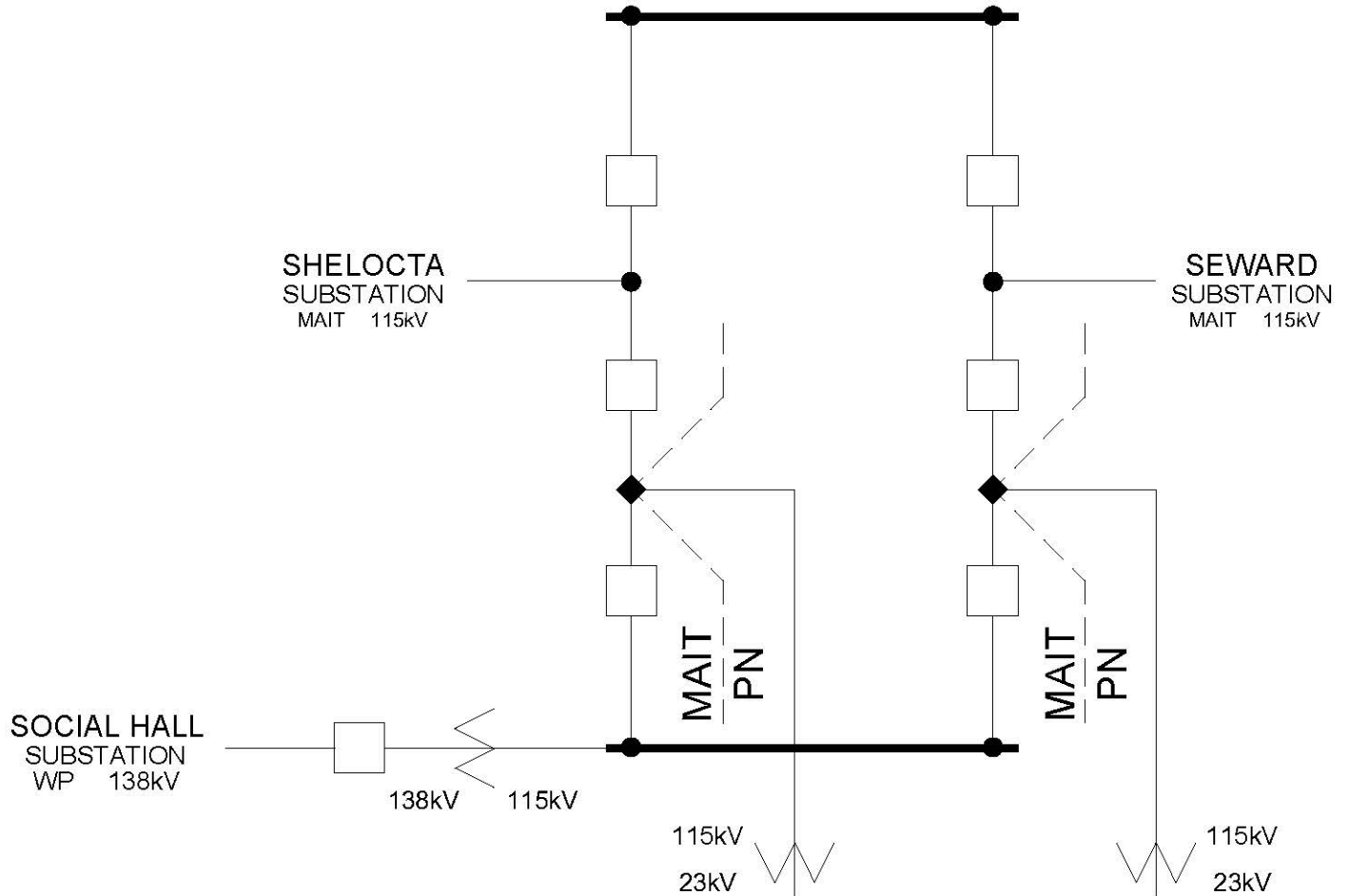
BY: AMF	DATE: 8/17/16
APP: LAP	ISSUE: FINAL

AGREEMENT
MAIT-PN ISA

DOC. ID
PN-33-93-01

REV.
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BLAIRSVILLE EAST SUBSTATION



◆ = POI #1 LOCATED AT SUBSTATION 115 kV BUS TAP
 POI #2 LOCATED AT SUBSTATION 115 kV BUS TAP

FirstEnergy
 Energy Delivery Technical Services

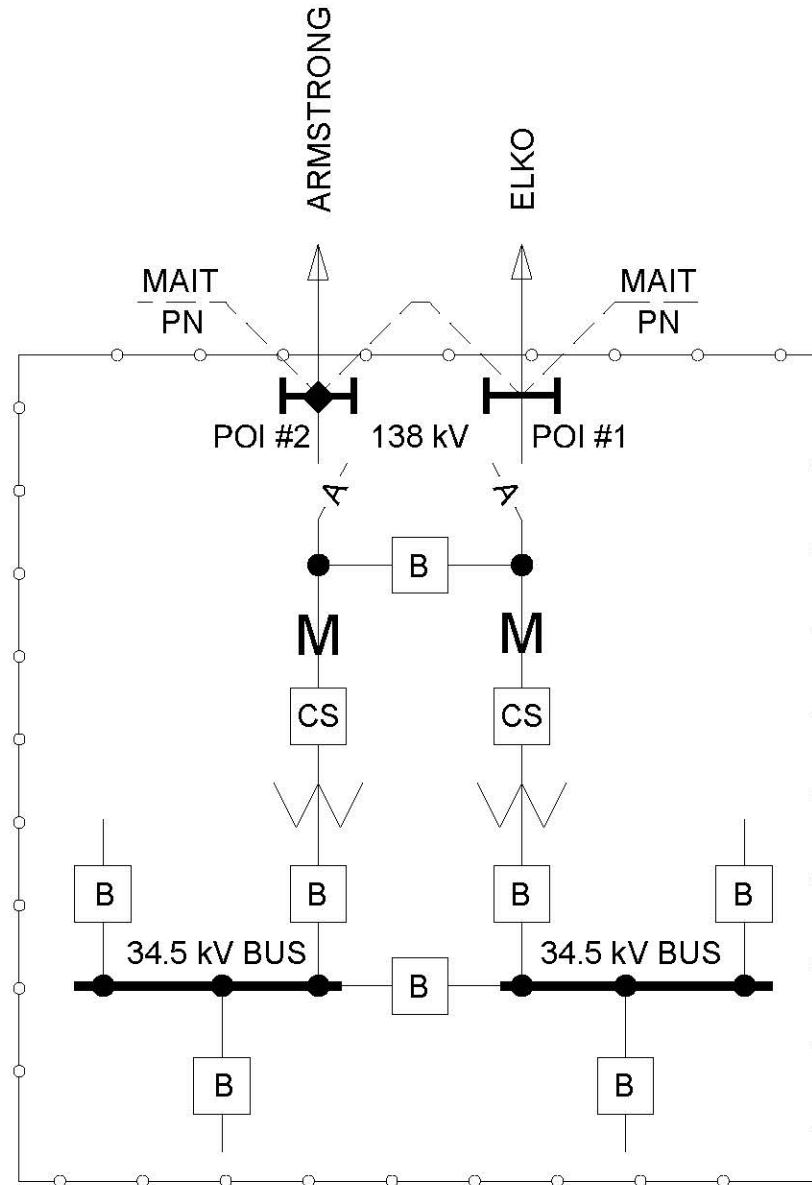
TITLE
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BY: AMF / J.L.M. DATE: 02/21/2017
 APP: LAP ISSUE: FINAL

AGREEMENT
 MAIT-PN ISA

DOC. ID
 PN-36-93-01

REV.
 1



BROOKVILLE SUBSTATION

◆ = POI #1: LOCATED AT DEAD-END.

POI #2: LOCATED AT DEAD-END.

OPERATIONAL METERING WILL BE OWNED OPERATED
AND MAINTAINED BY THE PARTY OWNING THE
METERING AND WILL BE PROVIDED TO RTO ICCP

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Energy Delivery Technical Services

MAIT-PN INTERCONNECTIONS FOR BROOKVILLE SUBSTATION

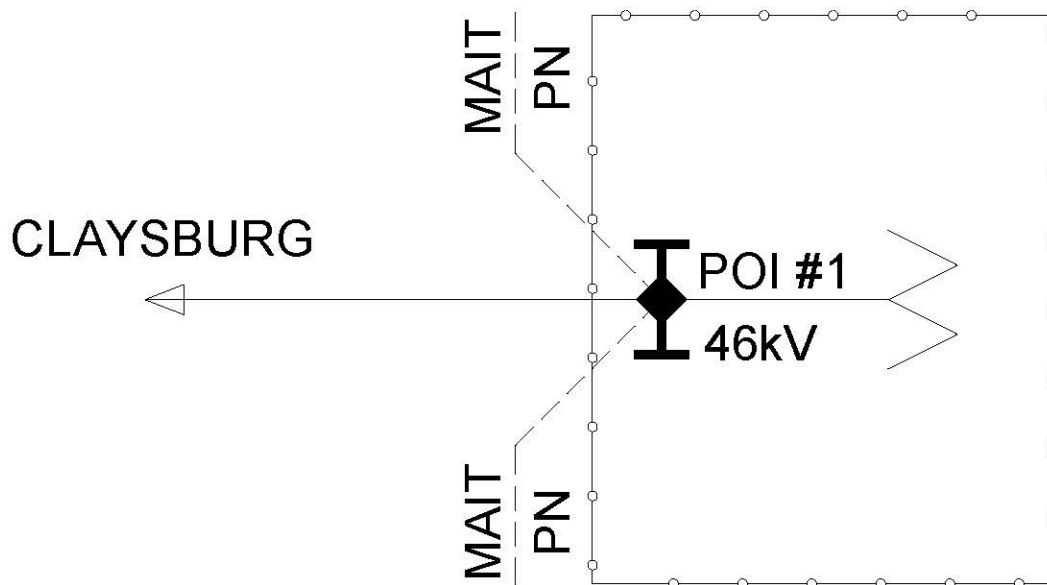
BY: AMF
APP: LAP

DATE: 10/7/16
ISSUE: FINAL

AGREEMENT
MAIT-PN ISA

DOC. ID
PN-48-93-01

REV.
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BUCKEYE PIPELINE No2 SUBSTATION

◆ = POI #1 LOCATED AT DEAD-END.

OPERATIONAL METERING IS OWNED, OPERATED, AND
MAINTAINED BY THE PARTY OWNING THE METERING
AND WILL BE PROVIDED TO RTO ICCP

FirstEnergy

Energy Delivery Technical Services

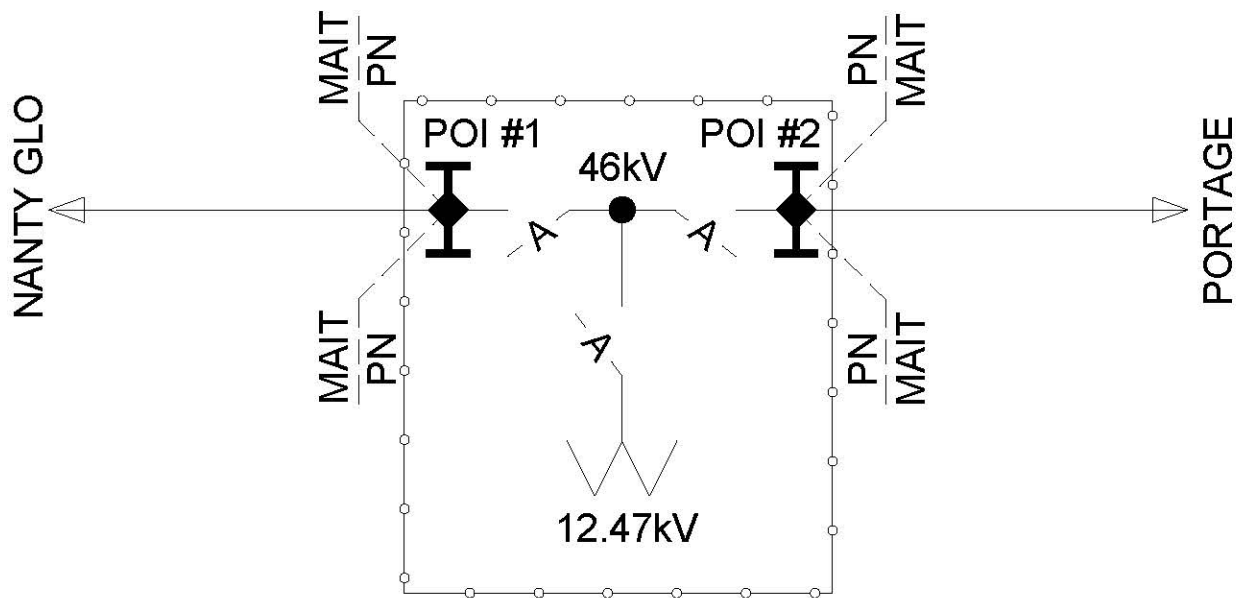
TITLE
MAIT-PN INTERCONNECTIONS AT BUCKEYE PIPELINE No2 SUBSTATION

BY: AMF	DATE: 10/7/16
APP: LAP	ISSUE: FINAL

AGREEMENT
MAIT-PN ISA

DOC. ID
PN-52-93-01

REV.
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CAMBRIA COUNTY PRISON SUBSTATION

◆ = POI #1 LOCATED AT DEAD-END.

POI #2 LOCATED AT DEAD-END.

OPERATIONAL METERING IS OWNED, OPERATED, AND MAINTAINED BY THE PARTY OWNING THE METERING AND WILL BE PROVIDED TO RTO ICCP

FirstEnergy

Energy Delivery Technical Services

MAIT-PN INTERCONNECTIONS AT CAMBRIA COUNTY PRISON SUBSTATION

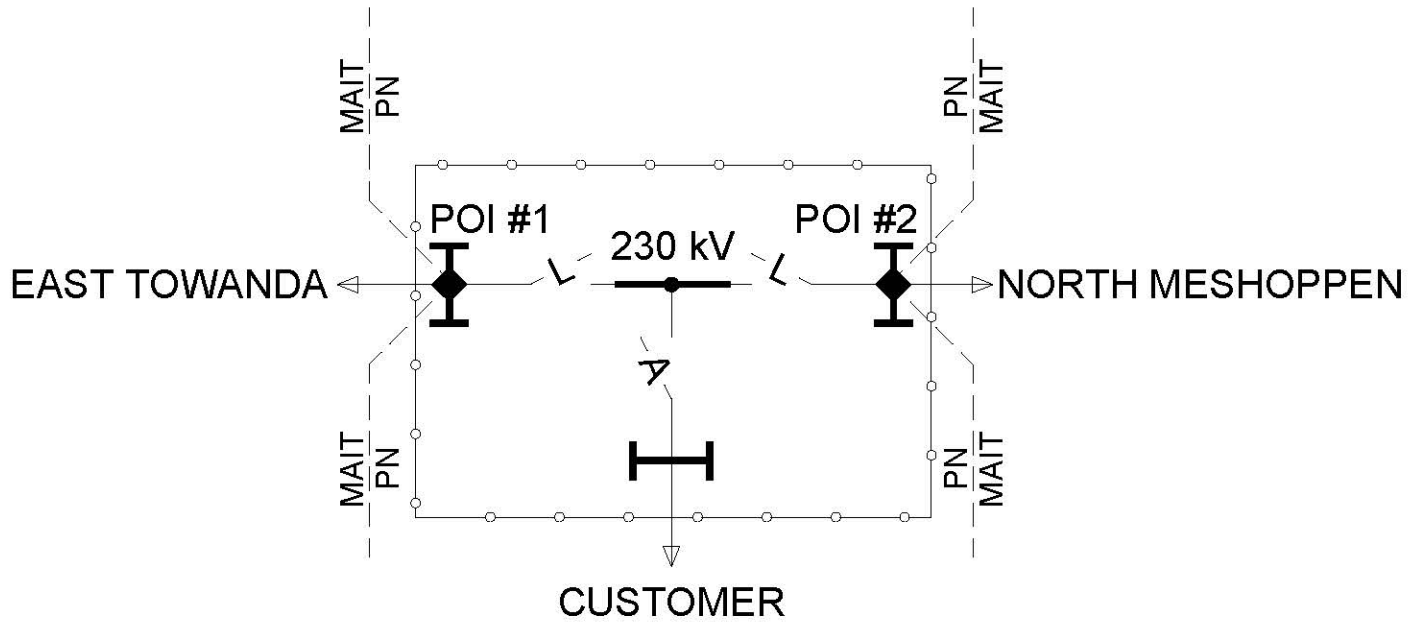
BY: AMF
APP: LAP

DATE: 10/7/16
ISSUE: FINAL

AGREEMENT
MAIT-PN ISA

DOC. ID
PN-56-93-01

REV.
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◆ POI #1 LOCATED AT DEAD-END.

POI #2 LOCATED AT DEAD-END.

OPERATIONAL METERING WILL BE OWNED OPERATED
AND MAINTAINED BY THE PARTY OWNING THE
METERING AND WILL BE PROVIDED TO RTO ICCP

FirstEnergy

Energy Delivery Technical Services

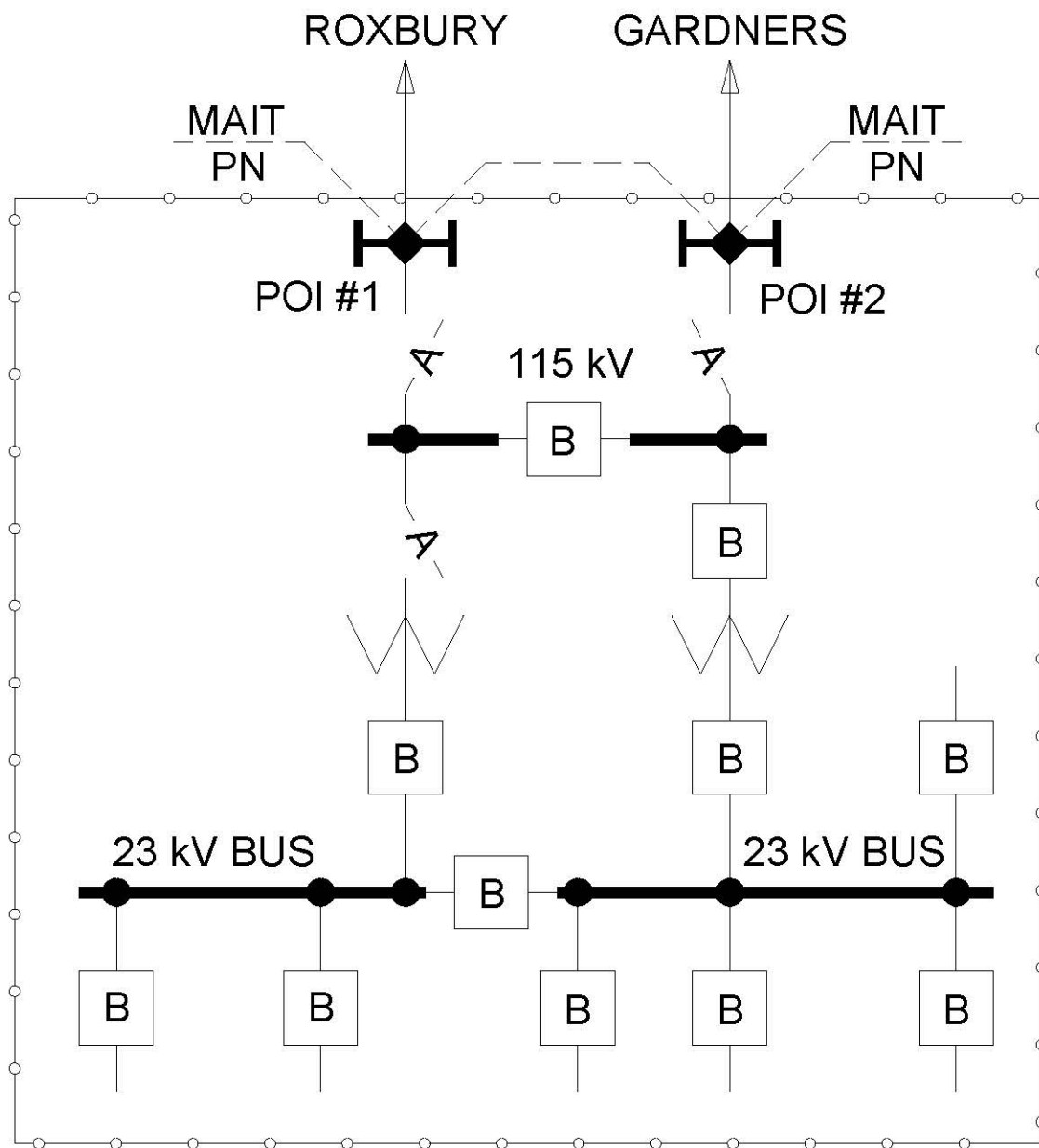
TITLE
MAIT-PN INTERCONNECTIONS FOR CANYON SUBSTATION

BY: AMF	DATE: 10/10/16
APP: LAP	ISSUE: FINAL

AGREEMENT
MAIT-PN ISA

DOC. ID
PN-1148-93-01

REV.
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CARLISLE PIKE SUBSTATION

◆ = POI #1 LOCATED AT DEAD-END.

POI #2 LOCATED AT DEAD-END.

OPERATIONAL METERING WILL BE OWNED OPERATED AND MAINTAINED BY THE PARTY OWNING THE METERING AND WILL BE PROVIDED TO RTO ICCP.

FirstEnergy

Energy Delivery Technical Services

MAIT-PN INTERCONNECTIONS FOR CARLISLE PIKE SUBSTATION

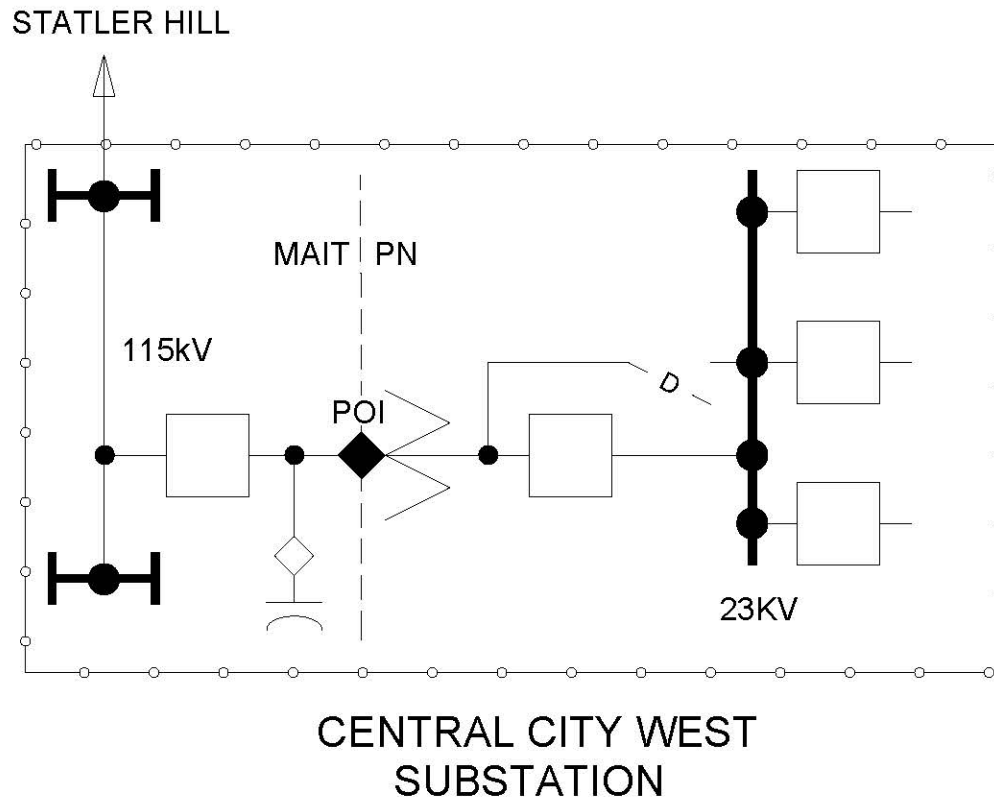
BY: AMF
APP: LAP

DATE: 10/7/2016
ISSUE: FINAL

AGREEMENT
MAIT-PN ISA

DOC. ID
PN-60-93-01

REV.
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◆ = POI LOCATED AT PENELEC (PN) OWNED TRANSFORMER'S LINE-SIDE TERMINATIONS

OPERATIONAL METERING IS OWNED, OPERATED, AND MAINTAINED BY THE PARTY OWNING THE METERING AND WILL BE PROVIDED TO RTO ICCP

FirstEnergy

Energy Delivery Technical Services

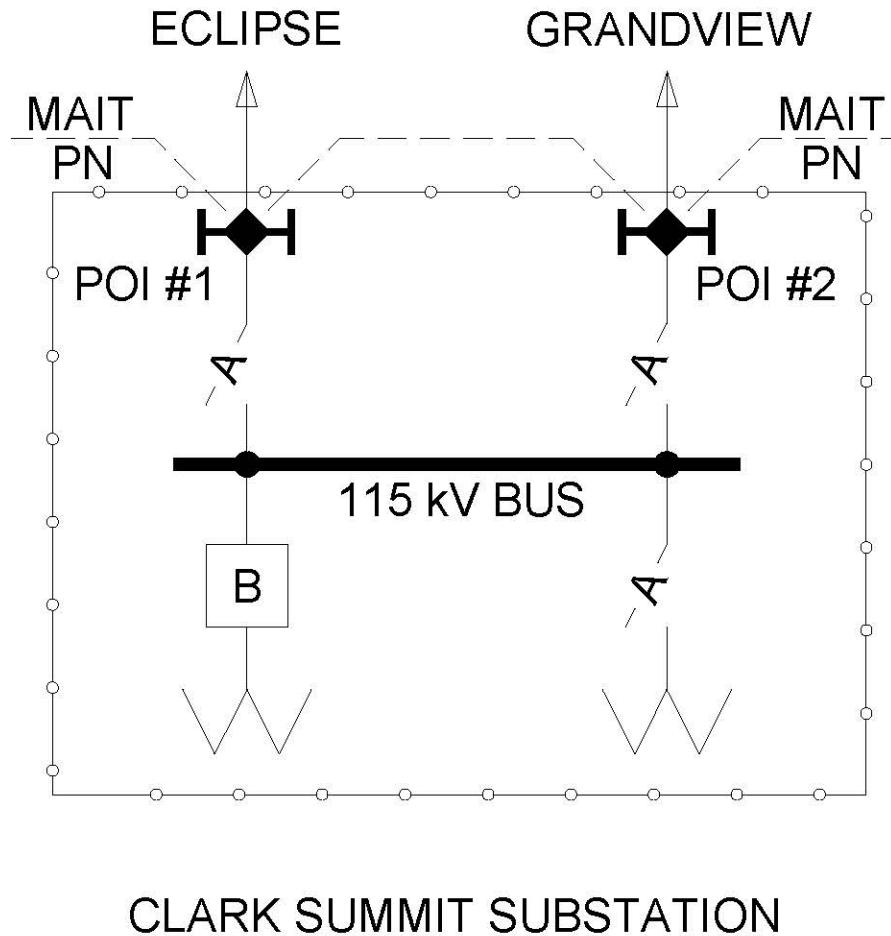
BY: AMF / J.L.M. DATE: 06/05/2018
APP: LAP ISSUE: FINAL

TITLE
MAIT-PN INTERCONNECTIONS AT CENTRAL CITY WEST SUBSTATION

AGREEMENT
MAIT-PN ISA

DOC. ID
PN-63-93-01

REV.
2



◆ = POI #1 LOCATED AT BUS TAP FOR No1 TR CIRCUIT

POI #2 LOCATED AT BUS TAP FOR No3 TR CIRCUIT

OPERATIONAL METERING WILL BE OWNED, OPERATED, AND MAINTAINED BY THE PARTY OWNING THE METERING AND WILL BE PROVIDED TO RTO ICCP

FirstEnergy

Energy Delivery Technical Services

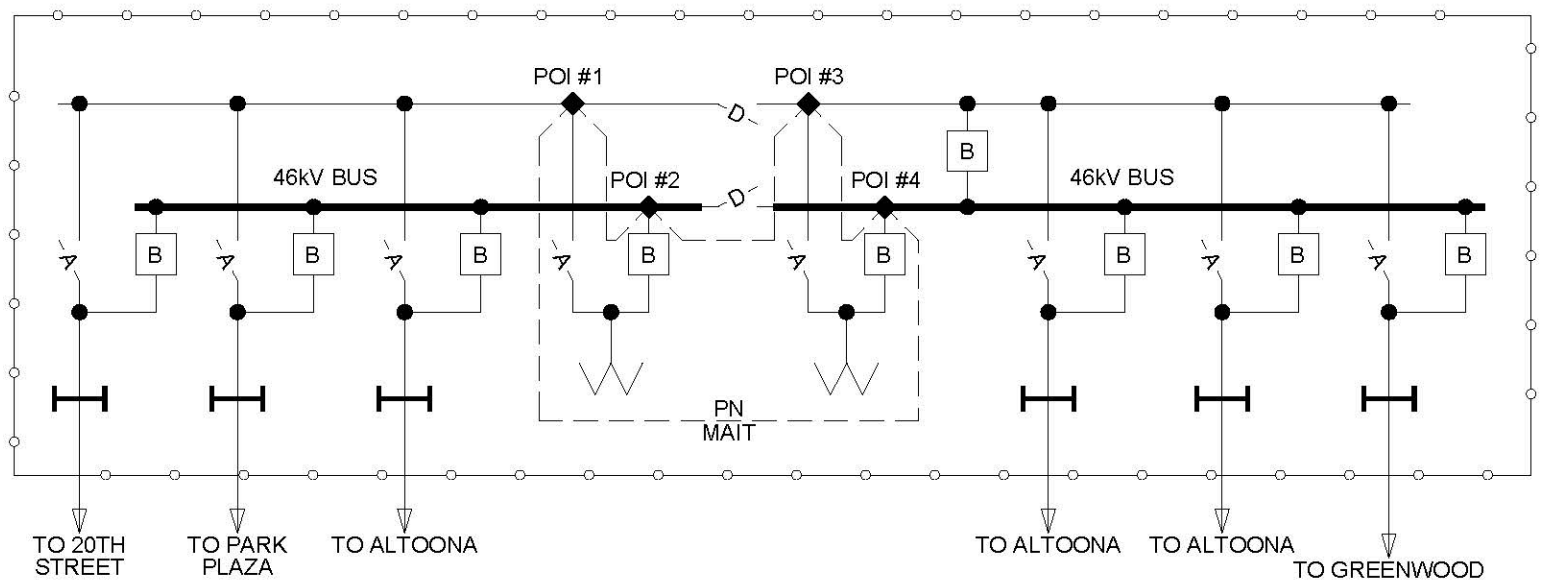
TITLE
MAIT-PN INTERCONNECTIONS FOR CLARK SUMMIT SUBSTATION

BY: AMF	DATE: 10/7/2016
APP: LAP	ISSUE: FINAL

AGREEMENT
MAIT-PN ISA

DOC. ID
PN-70-93-01

REV.
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COLLINSVILLE SUBSTATION

◆ = POI #1 LOCATED AT BUS TAP No2 TR BYPASS.

POI #2 LOCATED AT BUS TAP No2 TR.

POI #3 LOCATED AT BUS TAP No1 TR BYPASS.

POI #4 LOCATED AT BUS TAP No1 TR.

OPERATIONAL METERING IS OWNED, OPERATED, AND MAINTAINED BY THE PARTY OWNING THE METERING AND WILL BE PROVIDED TO RTO ICCP

FirstEnergy

Energy Delivery Technical Services

MAIT-PN INTERCONNECTIONS AT COLLINSVILLE SUBSTATION

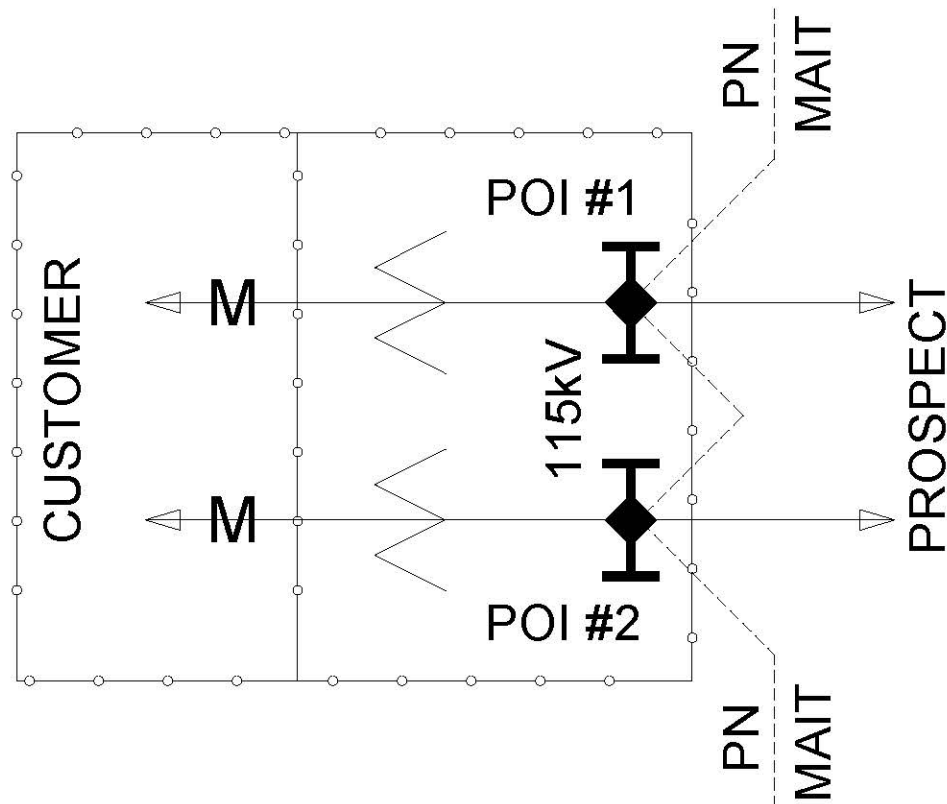
BY: AMF
APP: LAP

DATE: 10/7/2016
ISSUE: FINAL

AGREEMENT
MAIT-PN ISA

DOC. ID
PN-75-93-01

REV.
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CONVERTER SUBSTATION

◆ = POI #1 LOCATED AT DEAD-END.

POI #2 LOCATED AT DEAD-END.

OPERATIONAL METERING IS OWNED, OPERATED, AND MAINTAINED BY THE PARTY OWNING THE METERING AND WILL BE PROVIDED TO RTO ICCP

FirstEnergy

Energy Delivery Technical Services

MAIT-PN INTERCONNECTIONS FOR CONVERTER SUBSTATION

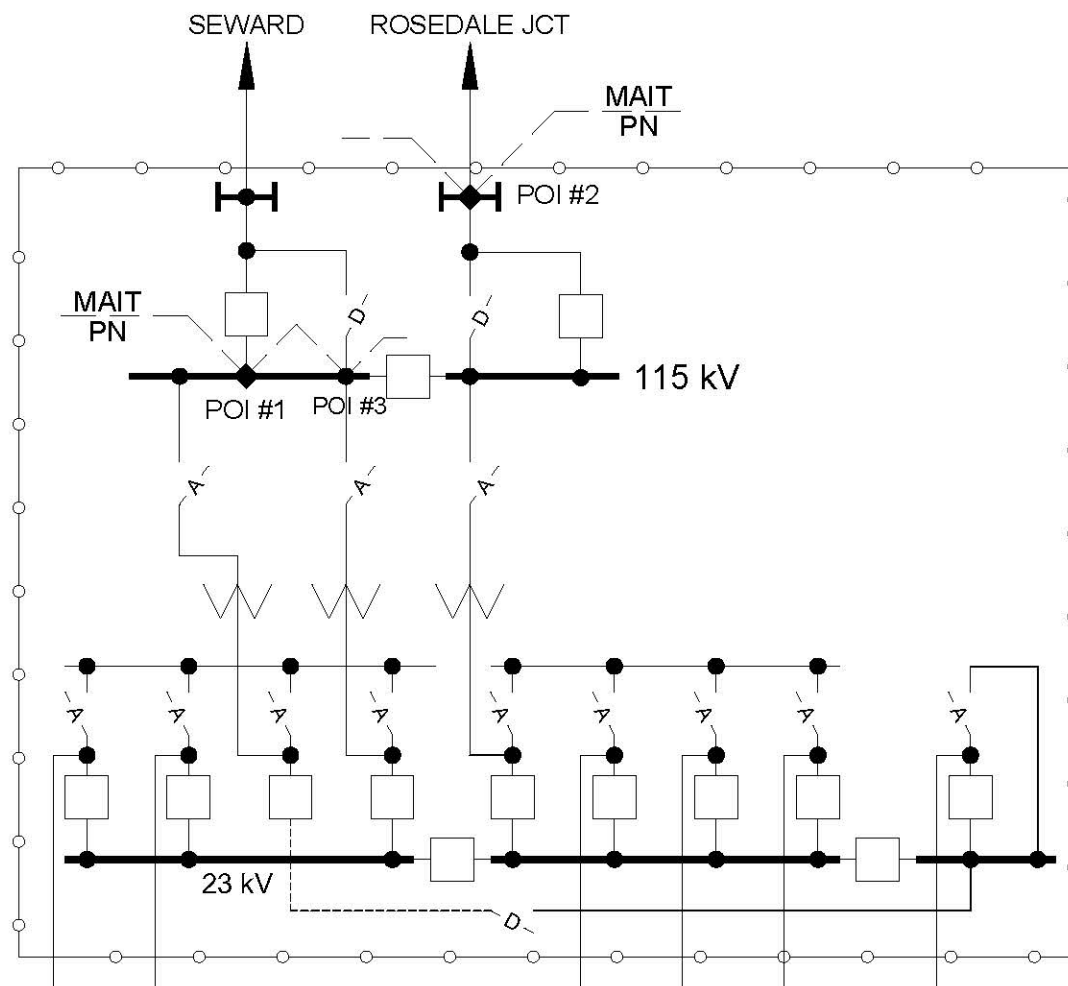
BY: AMF
APP: LAP

DATE: 10/7/2016
ISSUE: FINAL

AGREEMENT
MAIT-PN ISA

DOC. ID
PN-81-93-01

REV.
-



COOPER SUBSTATION

◆ = POI #1 LOCATED AT PENELEC OWNED SUBSTATION 115 kV BUS,
WHERE MAIT OWNED TRANSMISSION LINE TERMINATES

POI #2 LOCATED AT PENELEC OWNED SUBSTATION 115 kV
DEAD-END STRUCTURE

FirstEnergy

Energy Delivery Technical Services

BY: AMF / J.L.M. DATE: 07/11/2019

APP: LAP ISSUE: FINAL

TITLE

MAIT-PN INTERCONNECTIONS FOR COOPER SUBSTATION

AGREEMENT

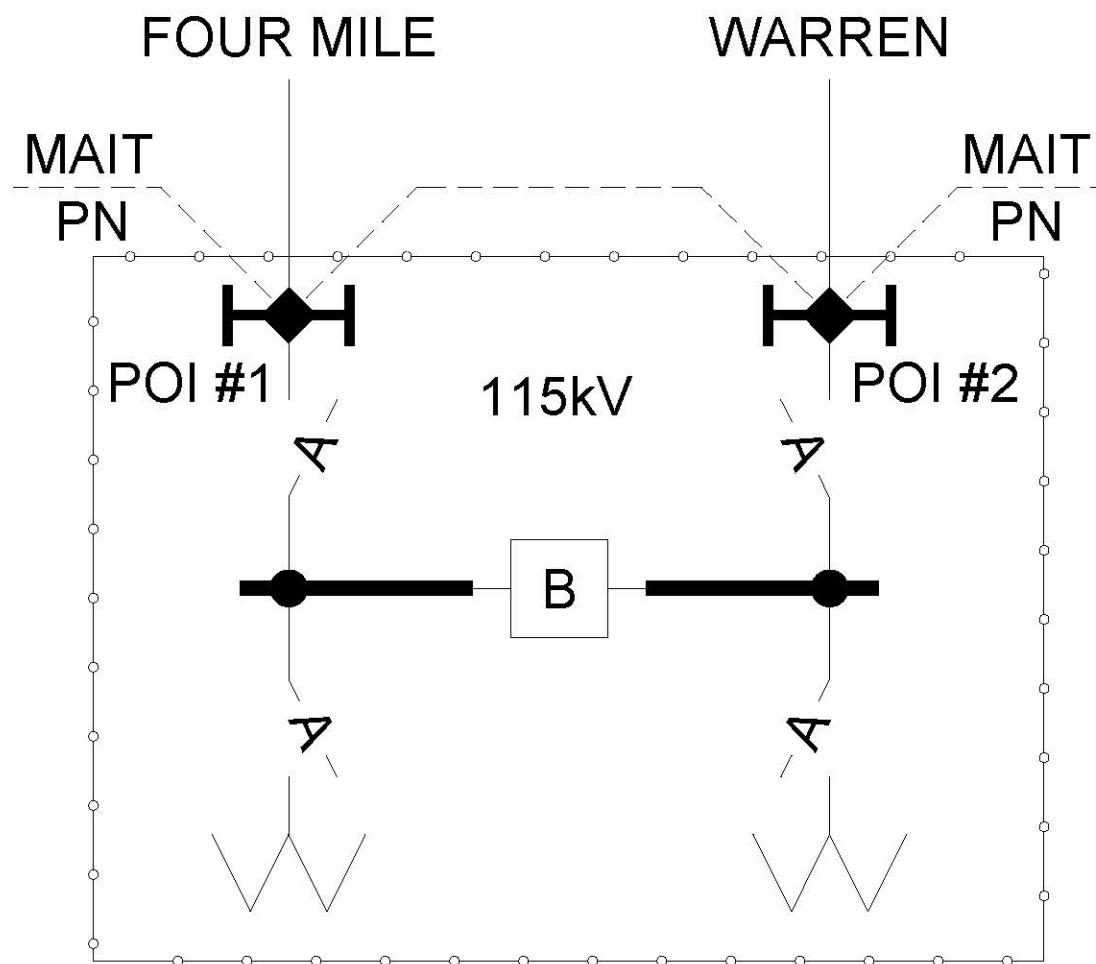
MAIT-PN ISA

DOC. ID

PN-82-93-01

REV.

2



CORRY EAST SUBSTATION

◆ = POI #1 LOCATED AT DEAD-END.

POI #2 LOCATED AT DEAD-END.

OPERATIONAL METERING IS OWNED, OPERATED, AND MAINTAINED BY THE PARTY OWNING THE METERING AND WILL BE PROVIDED TO RTO ICCP

FirstEnergy

Energy Delivery Technical Services

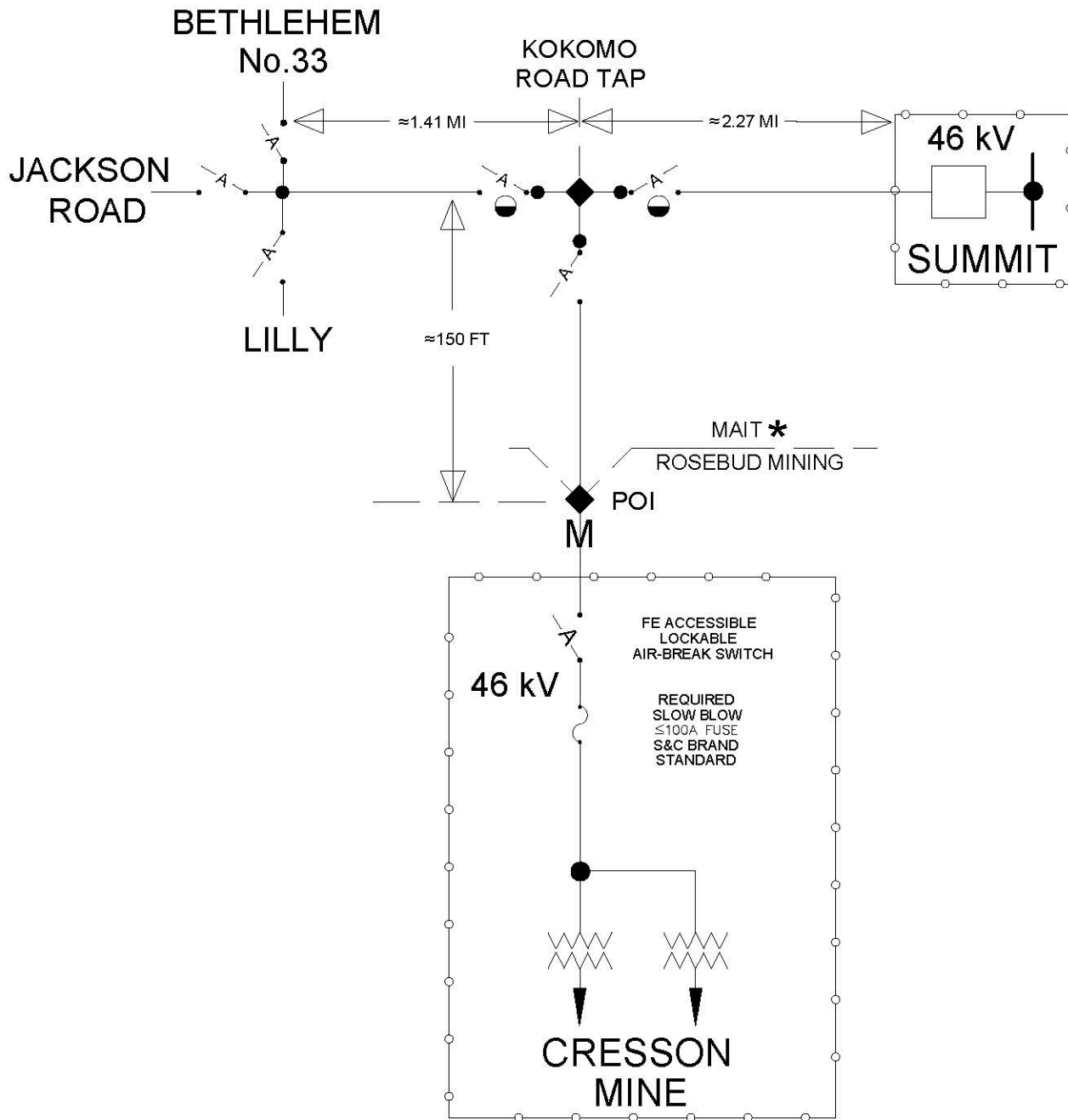
TITLE
MAIT-PN INTERCONNECTIONS FOR CORRY EAST SUBSTATION

BY: AMF	DATE: 10/7/2016
APP: LAP	ISSUE: FINAL

AGREEMENT
MAIT-PN ISA

DOC. ID
PN-84-93-01

REV.
-



◆ = POI LOCATED AT CUSTOMER OWNED METERING STRUCTURE

* = CUSTOMER PHYSICALLY CONNECTED TO MAIT AND SERVED BY PENELEC THROUGH PENELEC-OWNED METER

FirstEnergy

Energy Delivery Technical Services

BY: J L M DATE: 03/16/2017
APP: - ISSUE: FINAL

TITLE

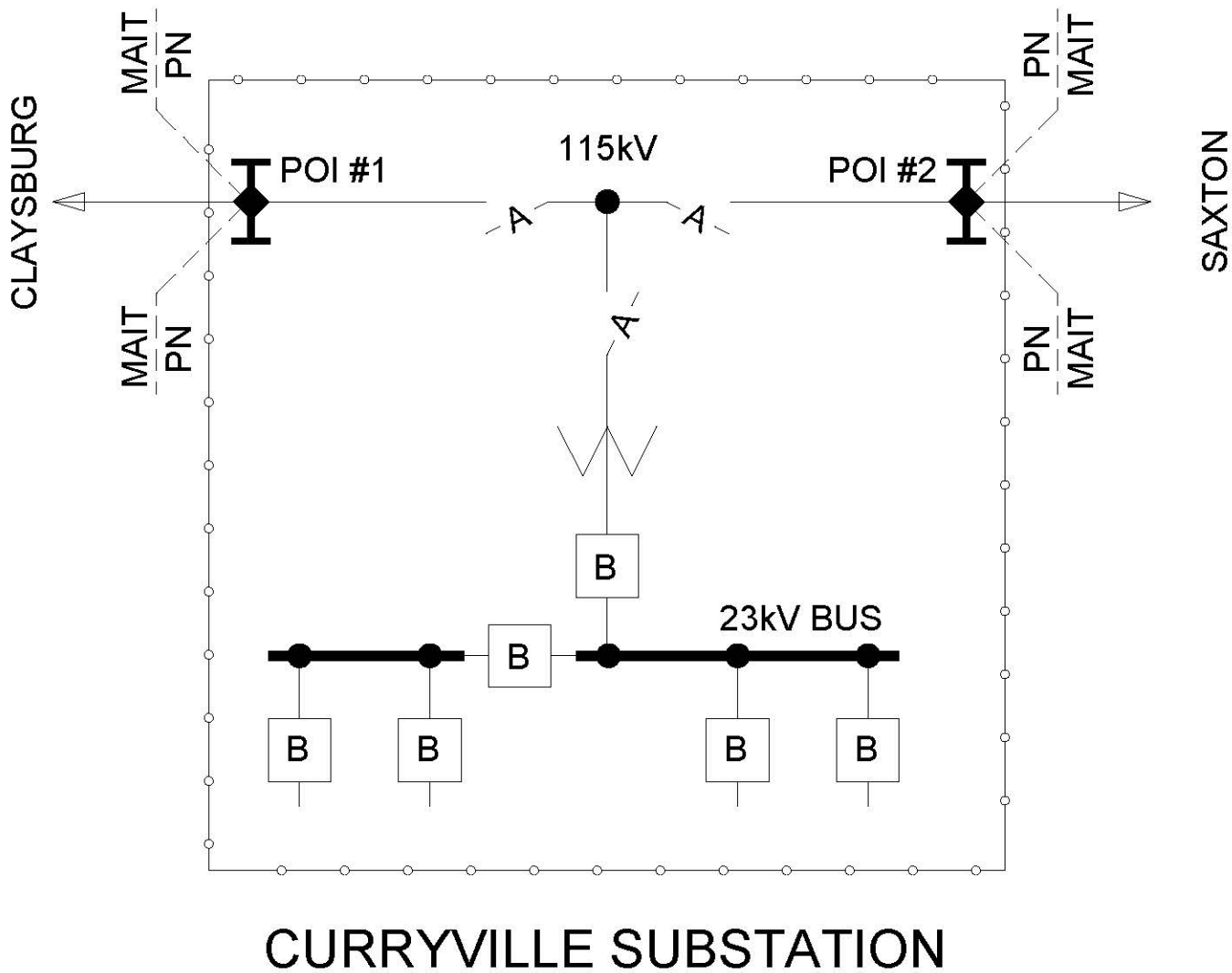
**CRESSON MINE SUBSTATION
ON THE SBC (BETHLEHEM MINE 33 --SUMMIT) 46 kV LINE**

AGREEMENT

DOC. ID REV.

PN-3235-93-01

2



◆ = POI #1 LOCATED AT DEAD-END.

POI #2 LOCATED AT DEAD-END.

OPERATIONAL METERING IS OWNED, OPERATED, AND MAINTAINED BY THE PARTY OWNING THE METERING AND WILL BE PROVIDED TO RTO ICCP

FirstEnergy

Energy Delivery Technical Services

MAIT-PN INTERCONNECTIONS AT CURRYVILLE SUBSTATION

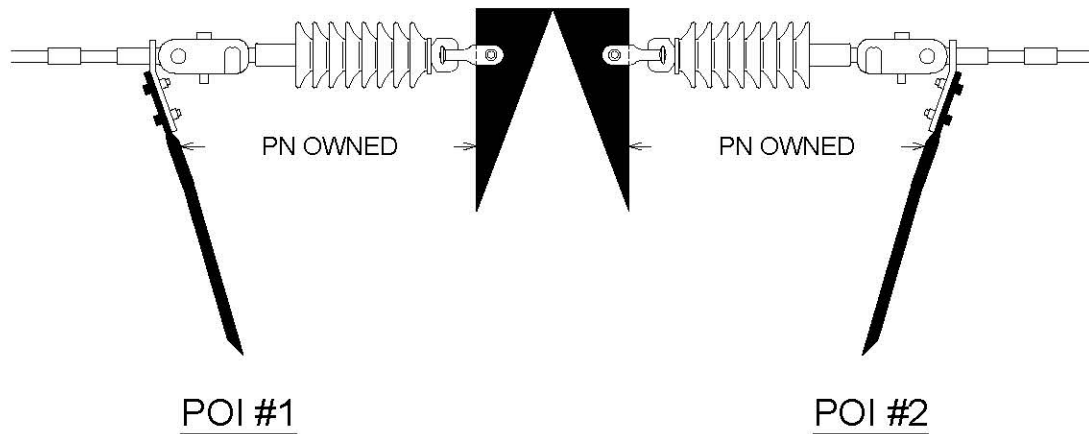
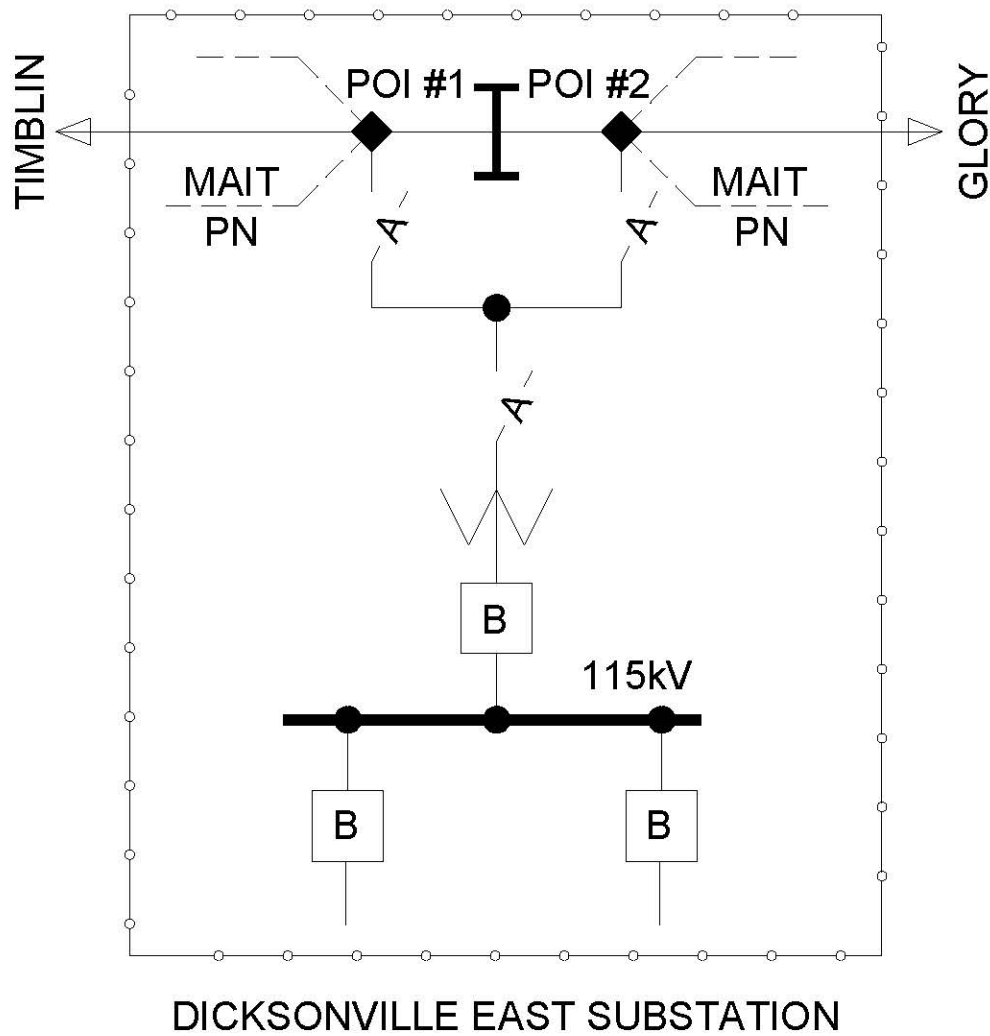
BY: AMF
APP: LAP

DATE: 10/7/2016
ISSUE: FINAL

AGREEMENT
MAIT-PN ISA

DOC. ID
PN-88-93-01

REV.
-



◆ = POI #1 & #2 LOCATED ON COMMON SWITCH STRUCTURE.

OPERATIONAL METERING IS OWNED, OPERATED, AND MAINTAINED BY THE PARTY OWNING THE METERING AND WILL BE PROVIDED TO RTO ICCP

FirstEnergy

Energy Delivery Technical Services

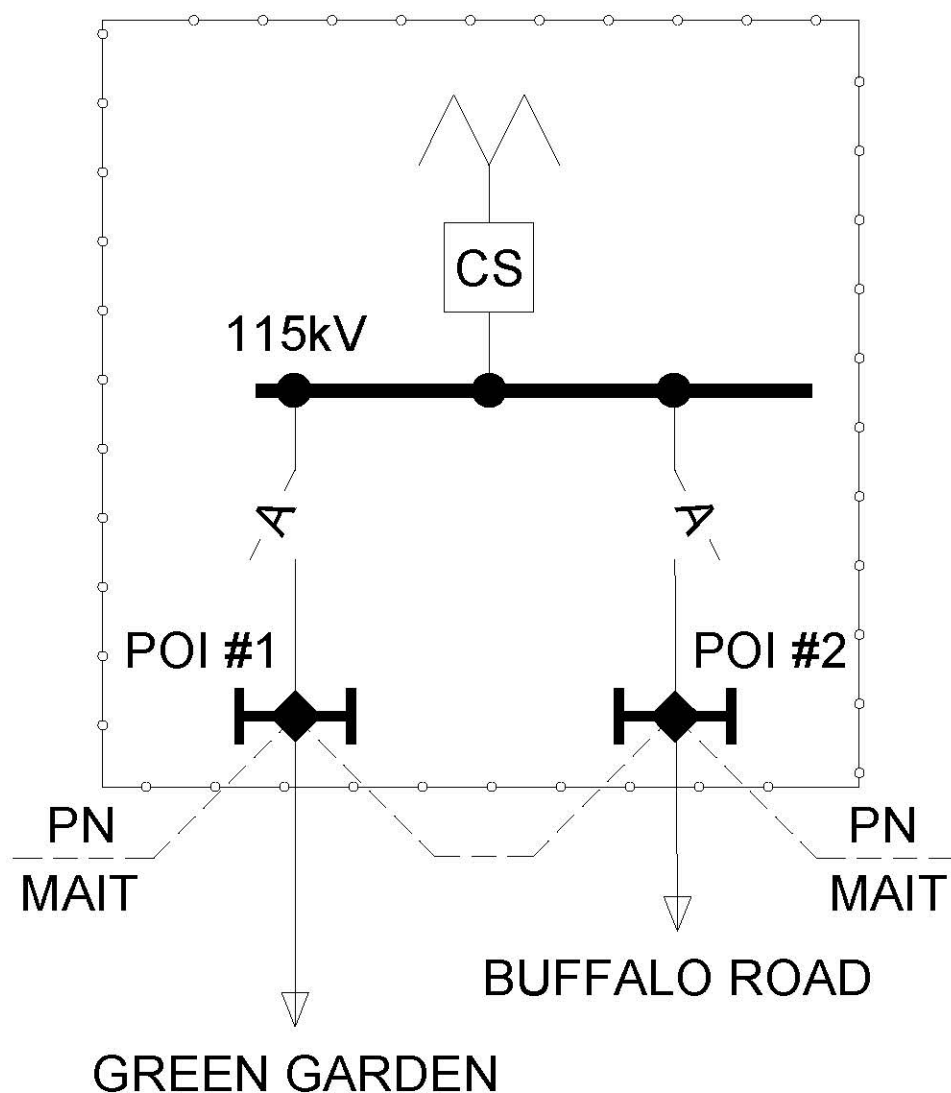
MAIT-PN INTERCONNECTIONS FOR DIXONVILLE EAST SUBSTATION

BY: AMF DATE: 10/10/2016
APP: LAP ISSUE: FINAL

AGREEMENT
MAIT-PN ISA

DOC. ID
PN-92-93-01

REV.
-



DOWNING AVENUE SUBSTATION

◆ = POI #1 LOCATED AT DEAD-END.

POI #2 LOCATED AT DEAD-END.

OPERATIONAL METERING IS OWNED, OPERATED, AND MAINTAINED BY THE PARTY OWNING THE METERING AND WILL BE PROVIDED TO RTO ICCP

FirstEnergy

Energy Delivery Technical Services

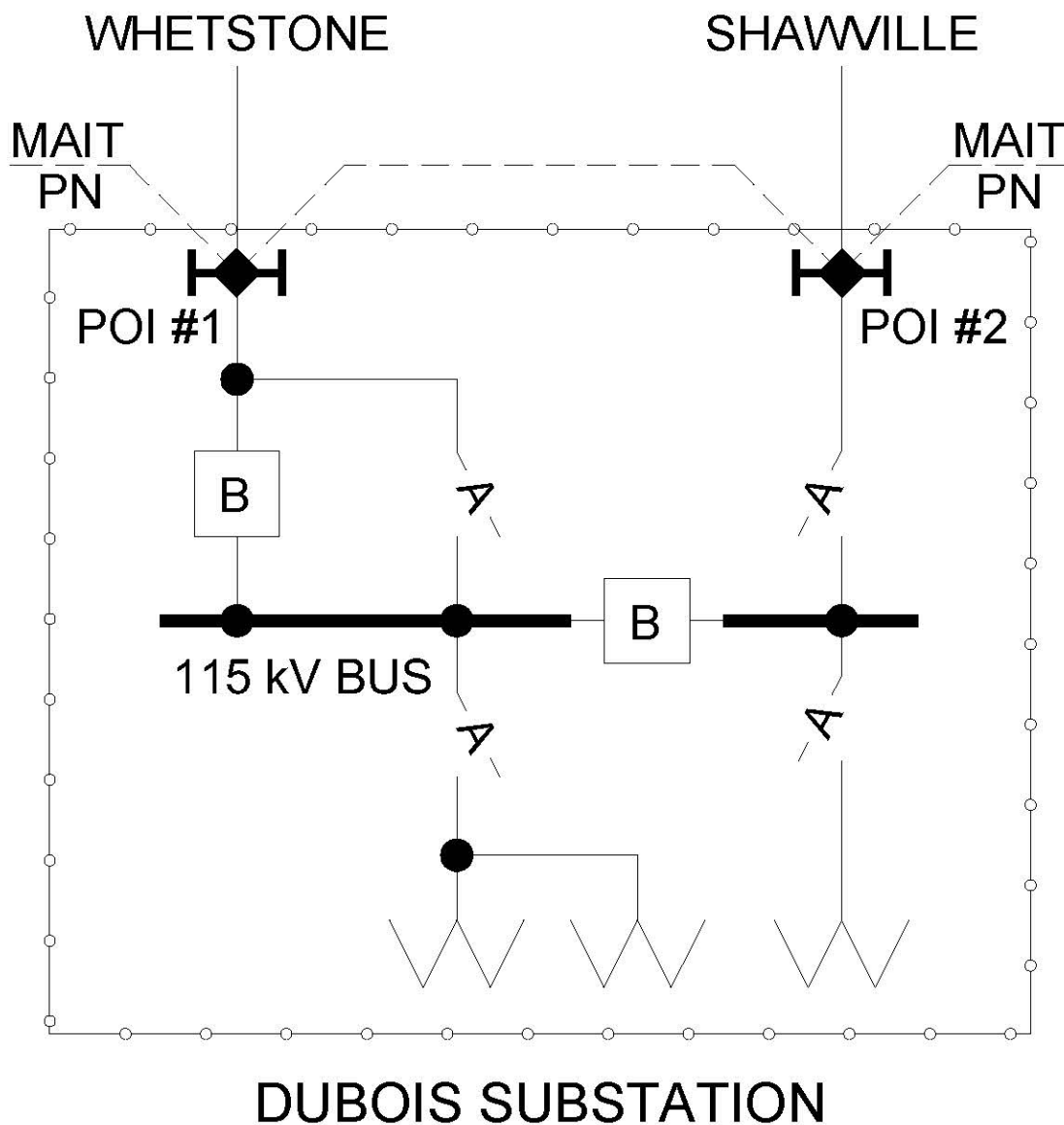
TITLE
MAIT-PN INTERCONNECTIONS AT DOWNING AVENUE SUBSTATION

BY: AMF	DATE: 10/10/2016
APP: LAP	ISSUE: FINAL

AGREEMENT
MAIT-PN ISA

DOC. ID
PN-94-93-01

REV.
-



◆ = POI #1 LOCATED AT DEAD-END.

POI #2 LOCATED AT DEAD-END.

OPERATIONAL METERING WILL BE OWNED, OPERATED, AND MAINTAINED BY THE PARTY OWNING THE METERING AND WILL BE PROVIDED TO RTO ICCP.

FirstEnergy

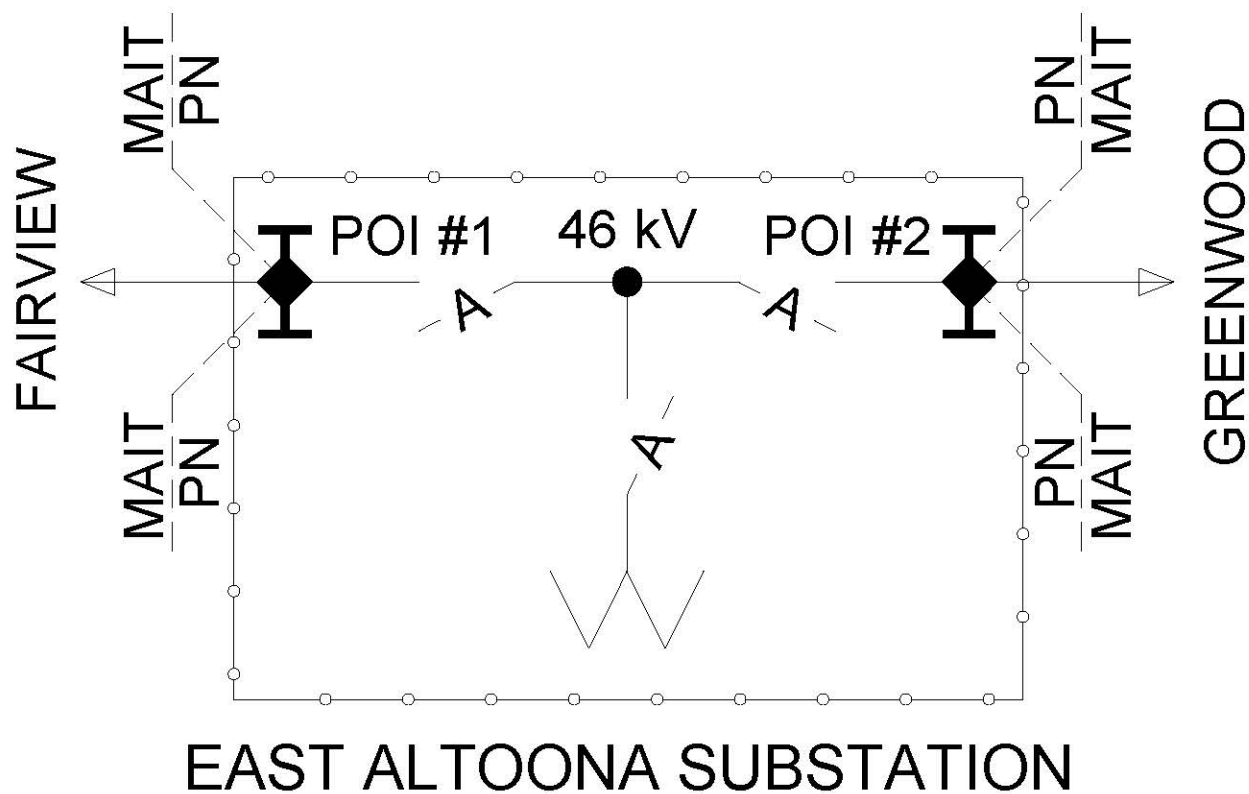
Energy Delivery Technical Services

TITLE
MAIT-PN INTERCONNECTIONS FOR DUBOIS SUBSTATION

BY: AMF	DATE: 10/10/2016
APP: LAP	ISSUE: FINAL

AGREEMENT
MAIT-PN ISA

DOC. ID	REV.
PN-97-93-01	-



◆ = POI #1 LOCATED AT DEAD-END.

POI #2 LOCATED AT DEAD-END.

OPERATIONAL METERING WILL BE OWNED OPERATED
AND MAINTAINED BY THE PARTY OWNING THE
METERING AND WILL BE PROVIDED TO RTO ICCP

FirstEnergy

Energy Delivery Technical Services

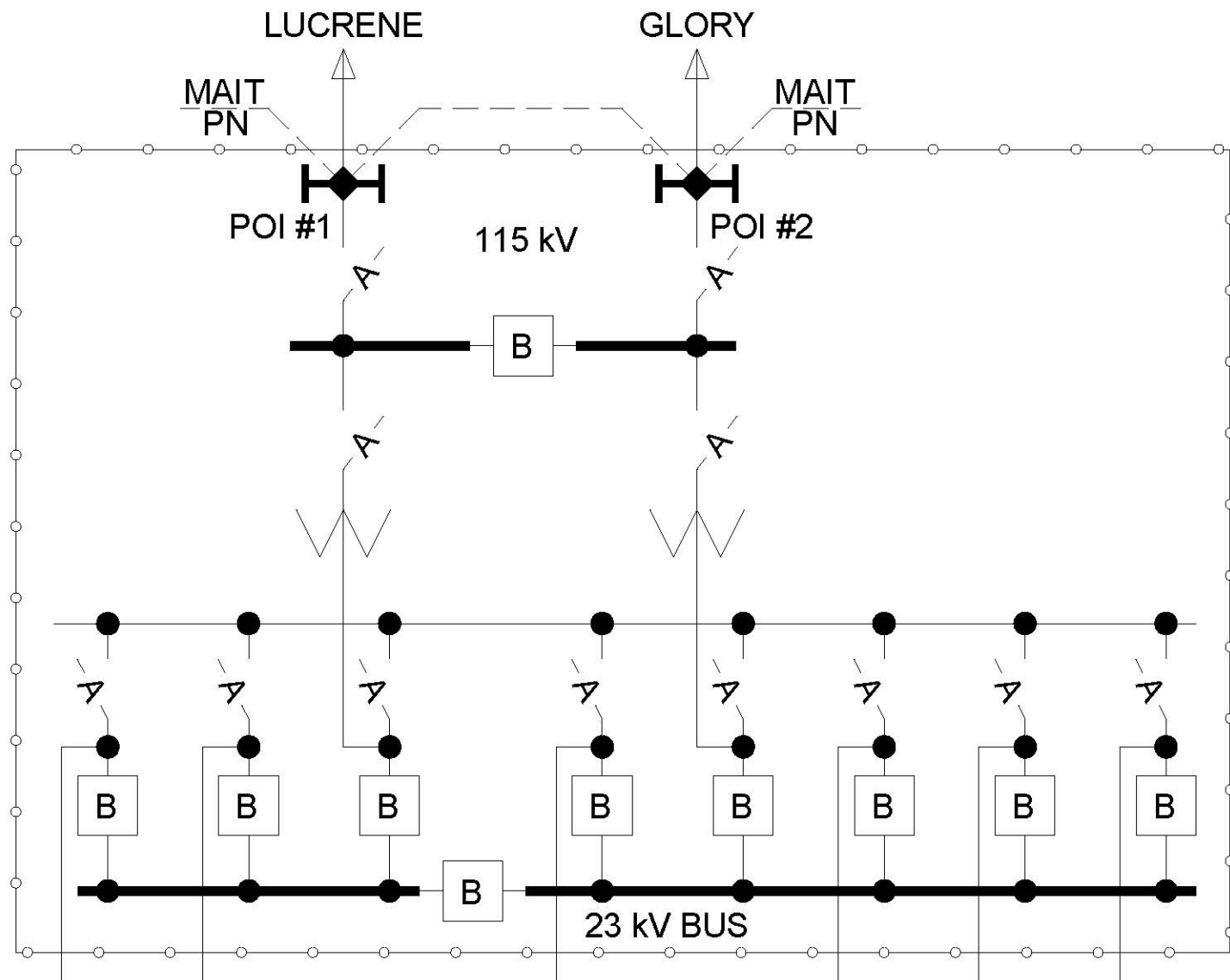
TITLE
MAIT-PN INTERCONNECTIONS FOR EAST ALTOONA SUBSTATION

BY: AMF	DATE: 10/10/2016
APP: LAP	ISSUE: FINAL

AGREEMENT
MAIT-PN ISA

DOC. ID
PN-102-93-01

REV.
-



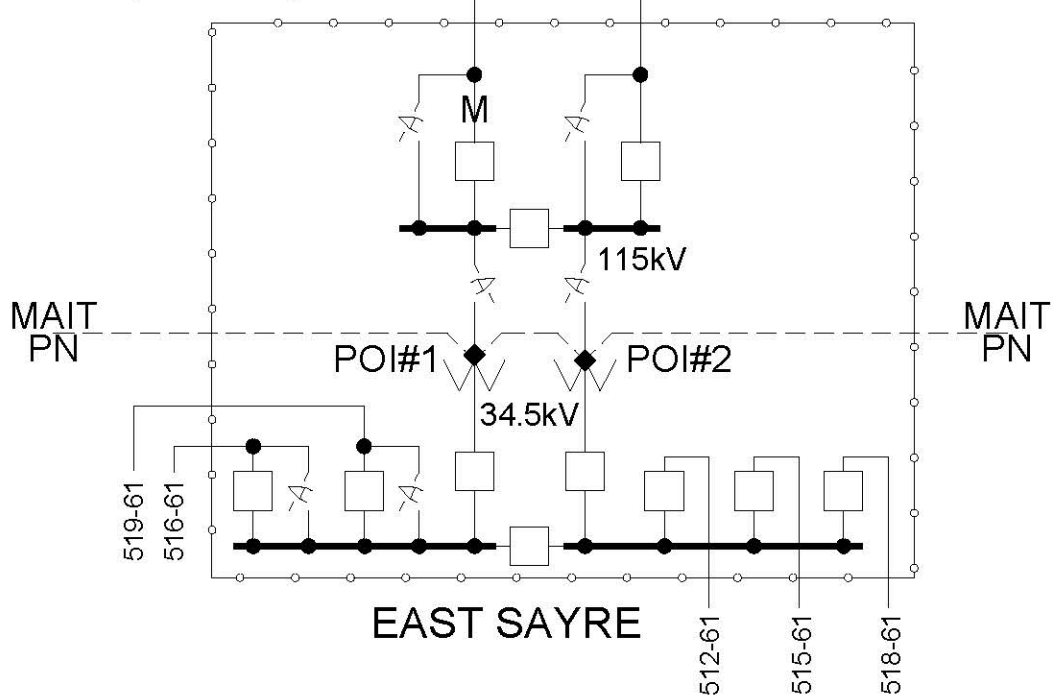
EAST PIKE SUBSTATION

◆ = POI #1 LOCATED AT DEAD-END.

POI #2 LOCATED AT DEAD-END.

OPERATIONAL METERING WILL BE OWNED, OPERATED, AND MAINTAINED BY THE PARTY OWNING THE METERING AND WILL BE PROVIDED TO RTO ICCP.

TO WAVERLY (NYSEG) TO EAST TOWANDA



◆ = POI #1 LOCATED WHERE No3 TR CONNECTS TO 115kV BUSWORK.

POI #2 LOCATED WHERE No1 TR CONNECTS TO 115kV BUSWORK.

OPERATIONAL METERING WILL BE OWNED, OPERATED, AND MAINTAINED BY THE PARTY OWNING THE METERING AND WILL BE PROVIDED TO RTO ICCP.

FirstEnergy

Energy Delivery Technical Services

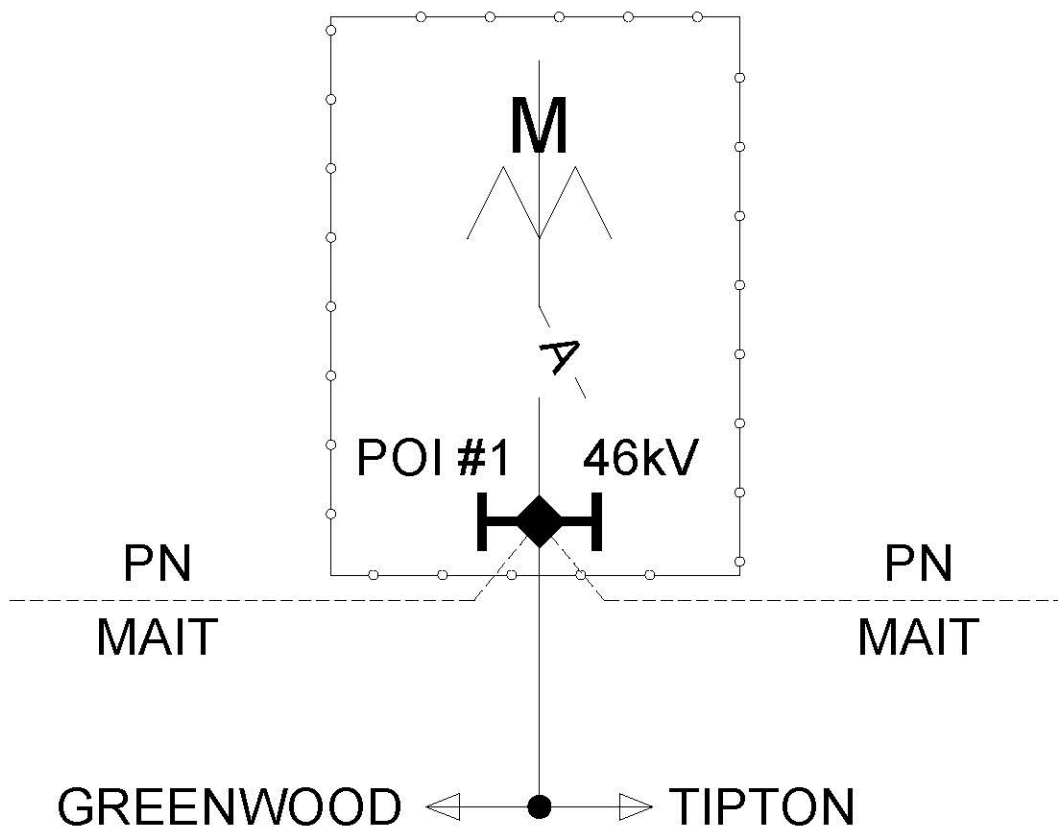
TITLE
MAIT - PN INTERCONNECTIONS FOR EAST SAYRE SUBSTATION

BY: LAP
DATE: 3/27/2017
APP: LAP
ISSUE: FINAL

AGREEMENT
MAIT-PN ISA

DOC. ID
PN-106-93-01

REV.
-



EASTERLY SEWAGE SUBSTATION

◆ = POI #1 LOCATED AT CUSTOMER DEAD-END.

M = REVENUE METERING FOR CUSTOMER IS OWNED, OPERATED, AND MAINTAIN BY PENELEC.

OPERATIONAL METERING IS OWNED, OPERATED, AND MAINTAINED BY THE PARTY OWNING THE METERING AND WILL BE PROVIDED TO RTO ICCP

FirstEnergy

Energy Delivery Technical Services

MAIT INTERCONNECTION AT EASTERLY SEWAGE SUBSTATION

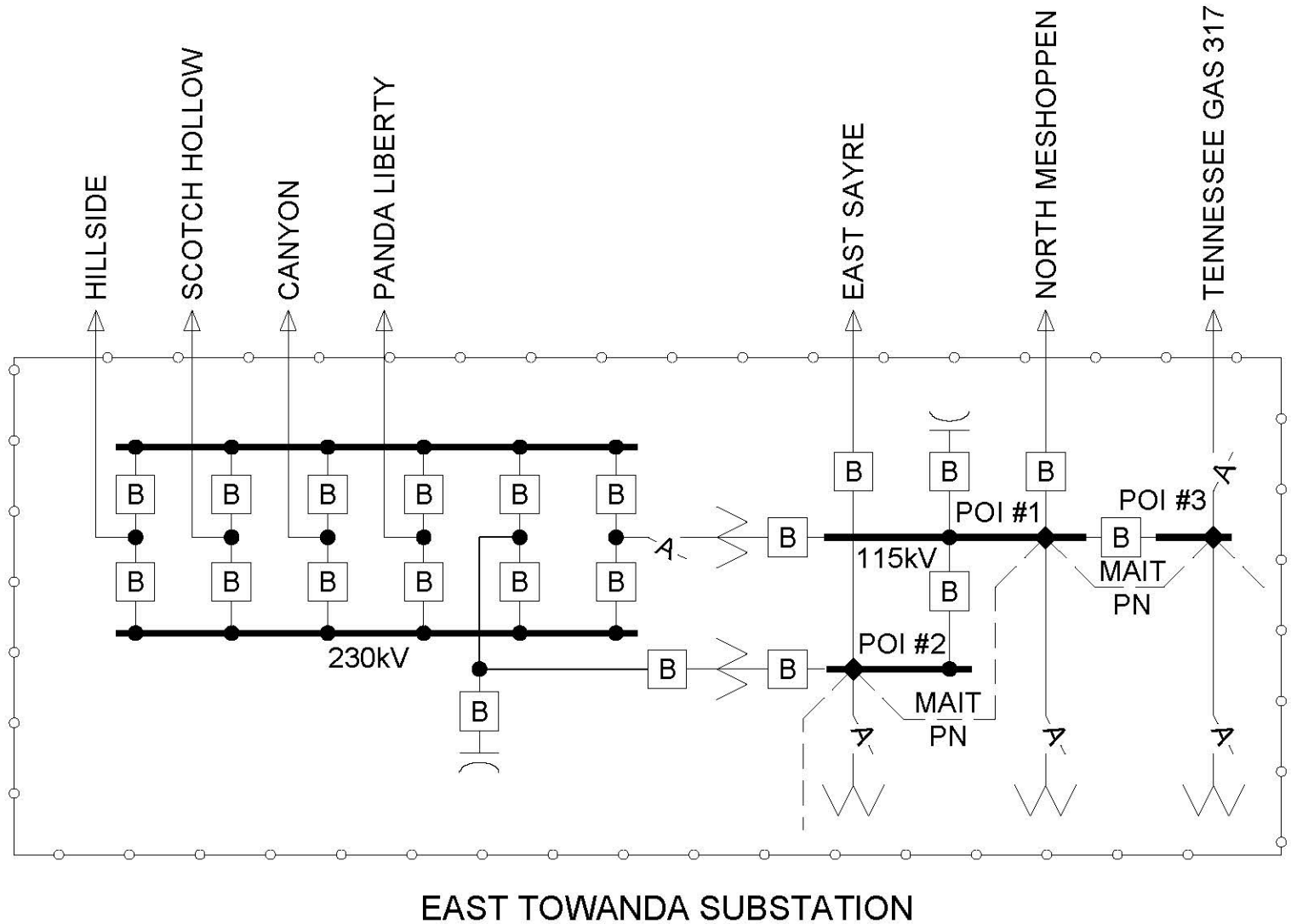
BY: AMF
APP: LAP

DATE: 10/11/2016
ISSUE: FINAL

AGREEMENT
MAIT-PN ISA

DOC. ID
PN-2093-93-01

REV.
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◆ = POI #1 LOCATED AT BUS TAP FOR No1 TR CIRCUIT.

POI #2 LOCATED AT BUS TAP FOR No2 TR CIRCUIT.

POI #3 LOCATED AT BUS TAP FOR No5 TR CIRCUIT.

OPERATIONAL METERING WILL BE OWNED OPERATED AND MAINTAINED BY THE PARTY OWNING THE METERING AND WILL BE PROVIDED TO RTO ICCP.

FirstEnergy

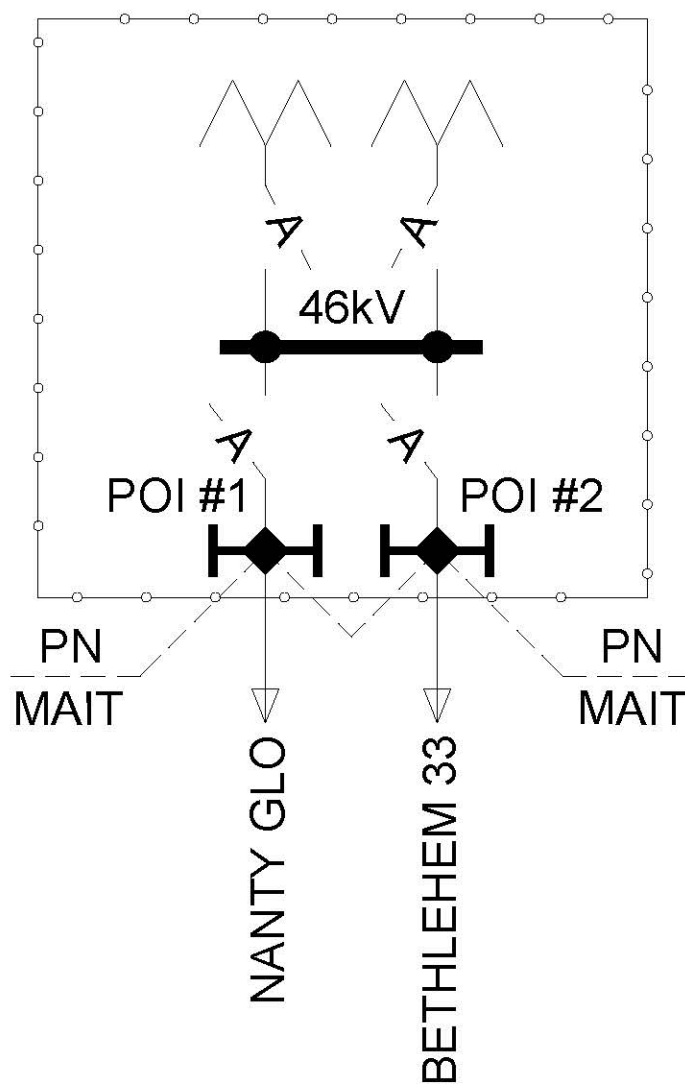
Energy Delivery Technical Services

TITLE
MAIT-PN INTERCONNECTIONS FOR EAST TOWANDA SUBSTATION

BY: AMF	DATE: 10/10/2016
APP: LAP	ISSUE: FINAL

AGREEMENT
MAIT-PN ISA

DOC. ID	REV.
PN-109-93-01	-



EBENSBURG SUBSTATION

◆ = POI #1 LOCATED AT DEAD-END.

POI #2 LOCATED AT DEAD-END.

OPERATIONAL METERING IS OWNED, OPERATED, AND MAINTAINED BY THE PARTY OWNING THE METERING AND WILL BE PROVIDED TO RTO ICCP

FirstEnergy

Energy Delivery Technical Services

MAIT-PN INERCONNECTIONS FOR EBENSBURG SUBSTATION

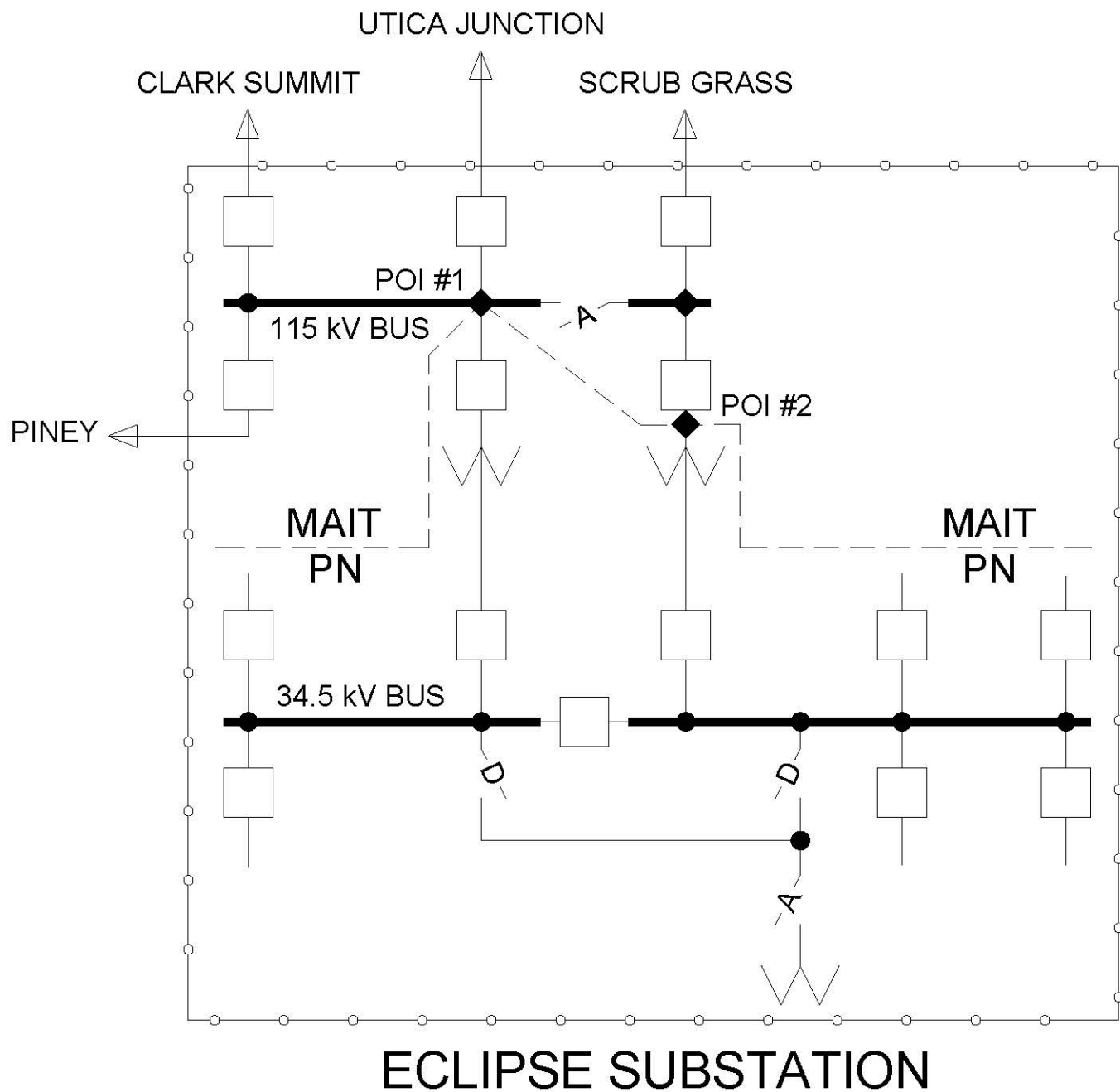
BY: AMF
APP: LAP

DATE: 10/10/2016
ISSUE: FINAL

AGREEMENT
MAIT-PN ISA

DOC. ID
PN-110-93-01

REV.
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◆ = POI #1 LOCATED AT THE MAIT OWNED SUBSTATION 115 kV BUS TAP, WHERE THE PENELEC (PN) LINE TERMINATES

POI #2 LOCATED ON THE LINE-SIDE OF THE MAIT OWNED BREAKER, WHERE THE PENELEC (PN) LINE TERMINATES

FirstEnergy

Energy Delivery Technical Services

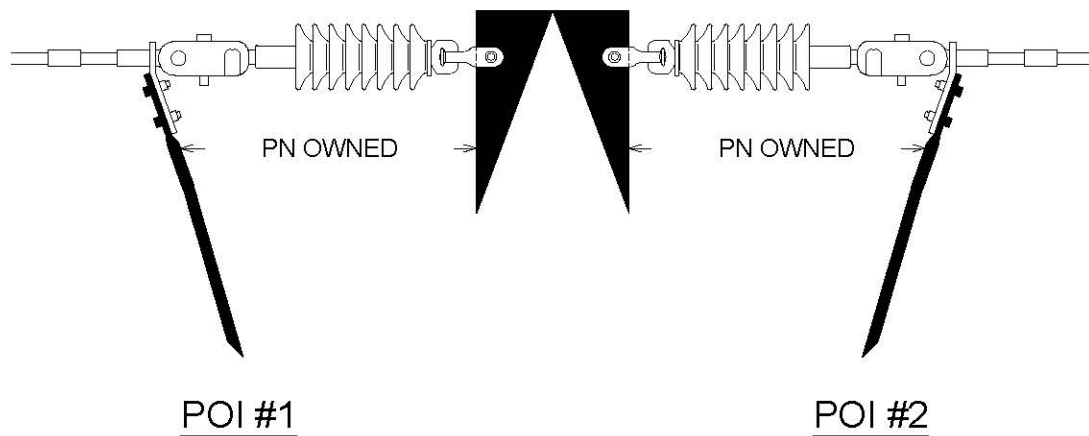
BY: AMF / J.L.M. DATE: 02/22/2017
APP: LAP ISSUE: FINAL

TITLE
MAIT-PN INTERCONNECTIONS FOR ECLIPSE SUBSTATION

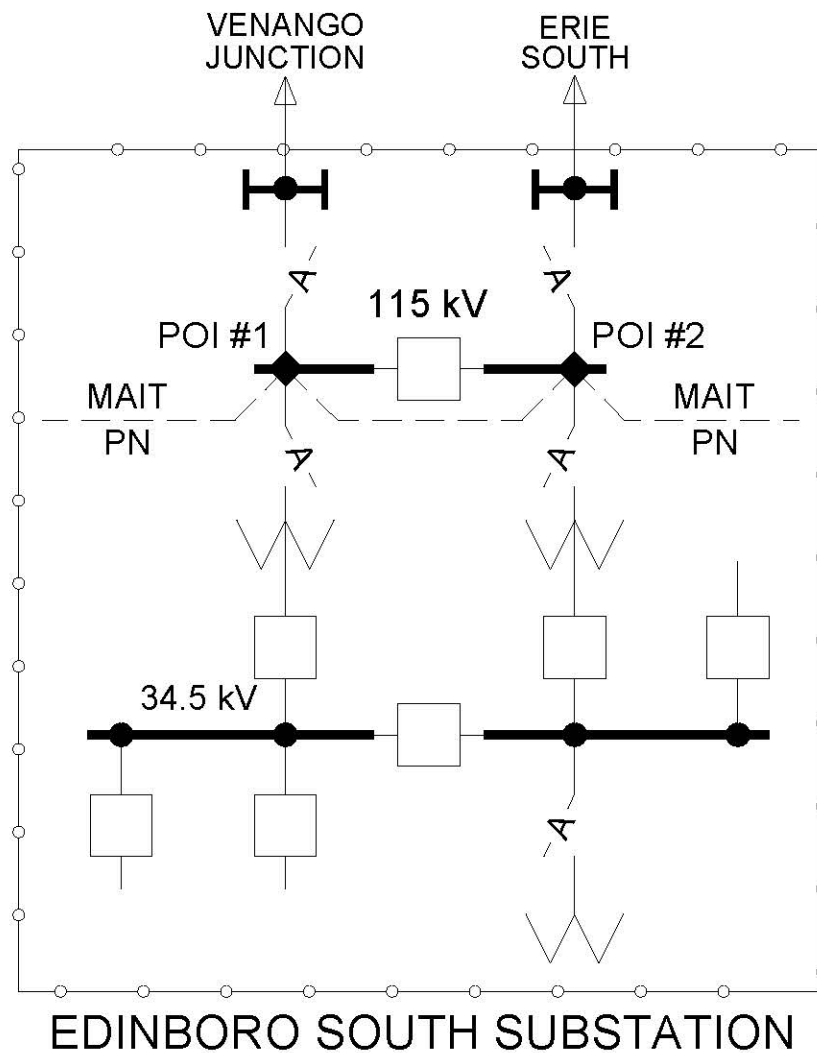
AGREEMENT
MAIT-PN ISA

DOC. ID
PN-111-93-01

REV.
1



OPERATIONAL METERING IS OWNED, OPERATED, AND MAINTAINED BY THE PARTY OWNING THE METERING AND WILL BE PROVIDED TO RTO ICCP



◆ = POI #1 & POI #2, LOCATED AT MAIT OWNED SUBSTATION 115 kV BUS TAP, WHERE PENELEC (PN) OWNED TRANSFORMER TERMINATES.

OPERATIONAL METERING WILL BE OWNED, OPERATED, AND MAINTAINED BY THE PARTY OWNING THE METERING AND WILL BE PROVIDED TO RTO ICCP

FirstEnergy

Energy Delivery Technical Services

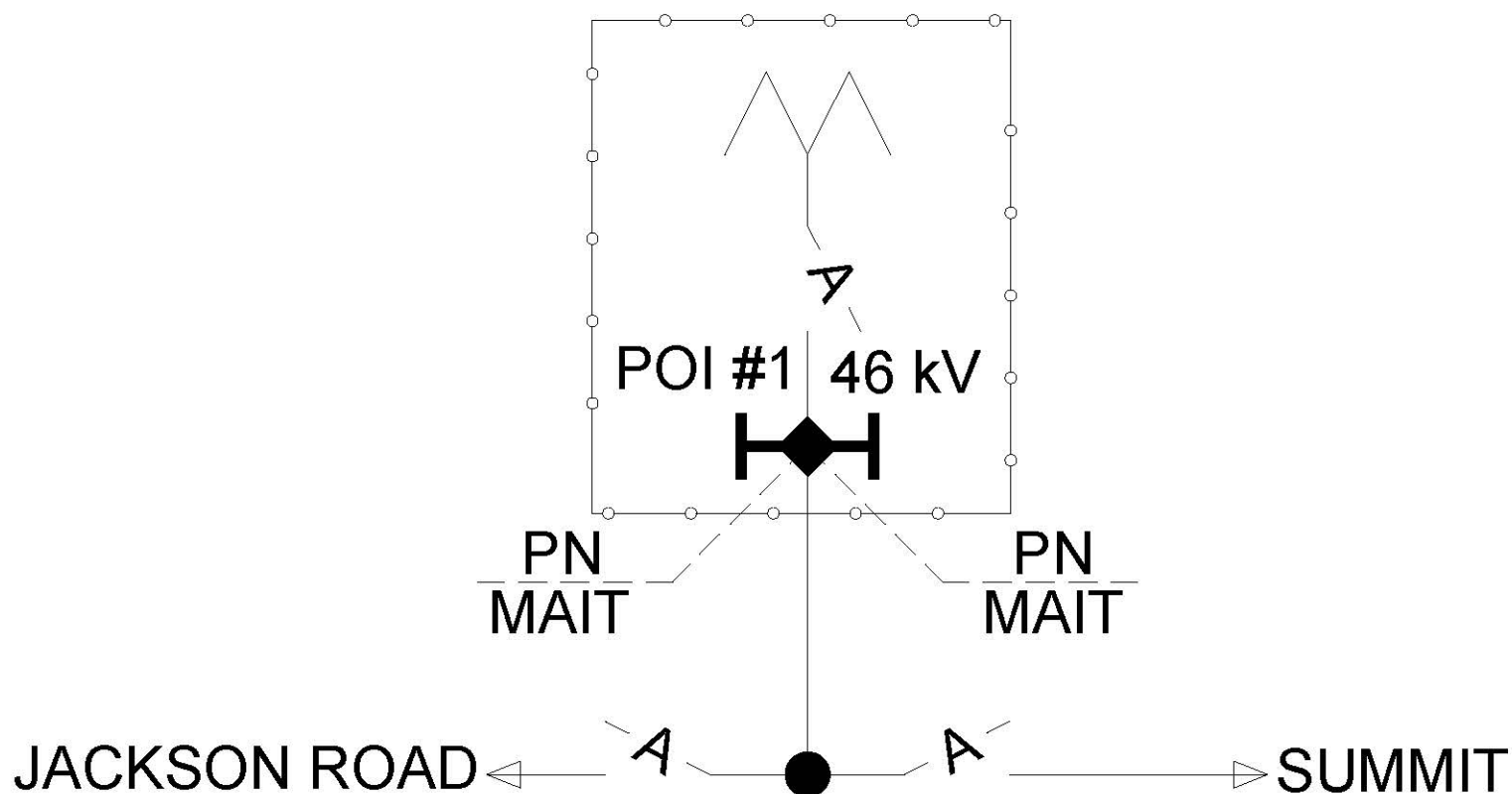
TITLE
MAIT-PN INTERCONNECTIONS FOR EDINBORO SOUTH SUBSTATION

BY: AMF / J.L.M. DATE: 06/05/2018
APP: LAP. ISSUE: FINAL

AGREEMENT
MAIT-PN ISA

DOC. ID
PN-114-93-01

REV.
2



EHRENFELD JACKSON SUBSTATION

◆ = POI #1 LOCATED AT DEAD-END.

OPERATIONAL METERING WILL BE OWNED, OPERATED, AND MAINTAINED BY THE PARTY OWNING THE METERING AND WILL BE PROVIDED TO RTO ICCP.

FirstEnergy

Energy Delivery Technical Services

MAIT-PN INTERCONNECTIONS FOR EHRENFELD JACKSON SUBSTATION

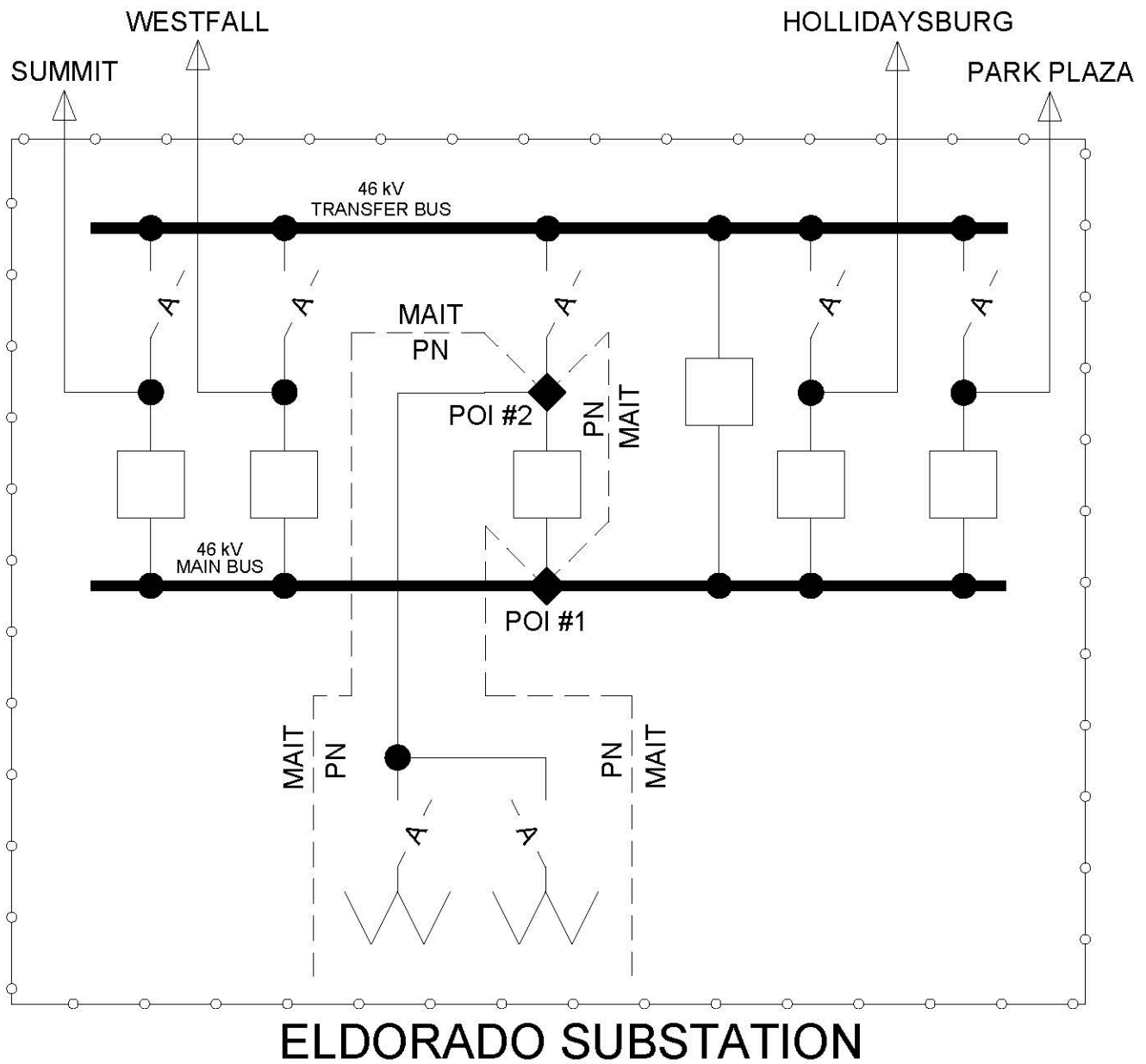
BY: AMF
APP: LAP

DATE: 10/10/2016
ISSUE: FINAL

AGREEMENT
MAIT-PN ISA

DOC. ID
PN-116-93-01

REV.
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◆ = POI #1: LOCATED AT SUBSTATION 46 kV MAIN BUS TAP

POI #2: LOCATED BETWEEN THE SWITCH AND SUBSTATION 46 kV BREAKER, ON THE TRANSFER BUS SIDE OF BREAKER

FirstEnergy

Energy Delivery Technical Services

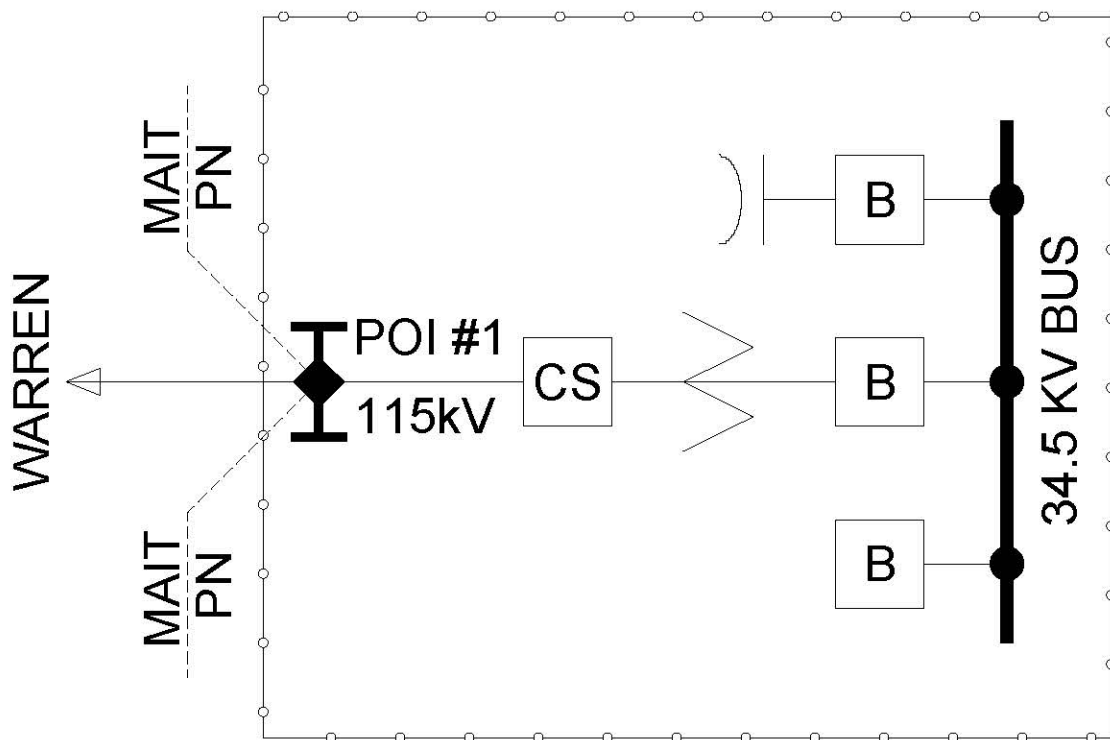
TITLE
MAIT-PN INTERCONNECTIONS FOR ELDORADO SUBSTATION

BY: AMF / J L M DATE: 01/29/19
APP: LAP ISSUE: FINAL

AGREEMENT
MAIT-PN ISA

DOC. ID
PN-118-93-01

REV.
2



ELM STREET SUBSTATION

◆ = POI #1 LOCATED AT DEAD-END.

OPERATIONAL METERING IS OWNED, OPERATED, AND MAINTAINED BY THE PARTY OWNING THE METERING AND WILL BE PROVIDED TO RTO ICCP

FirstEnergy

Energy Delivery Technical Services

MAIT-PN INTERCONNECTIONS AT ELM STREET SUBSTATION

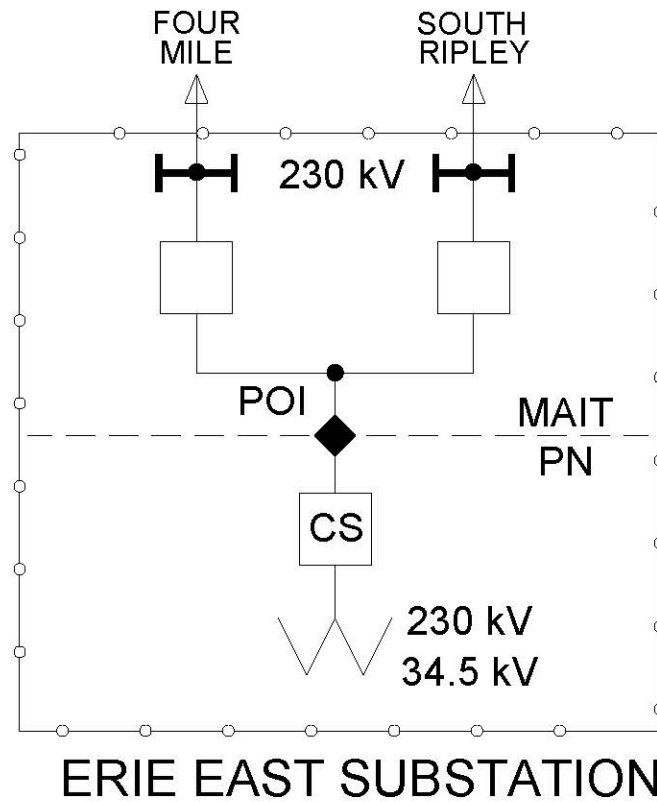
BY: AMF
APP: LAP

DATE: 10/10/2016
ISSUE: FINAL

AGREEMENT
MAIT-PN ISA

DOC. ID
PN-124-93-01

REV.
-



◆ = POI (POINT OF INTERCONNECTION) LOCATED ON THE BUS-SIDE OF THE PENELEC (PN) OWNED CIRCUIT SWITCHER

FirstEnergy

Energy Delivery Technical Services

TITLE
MAIT-PN INTERCONNECTIONS FOR ERIE EAST SUBSTATION

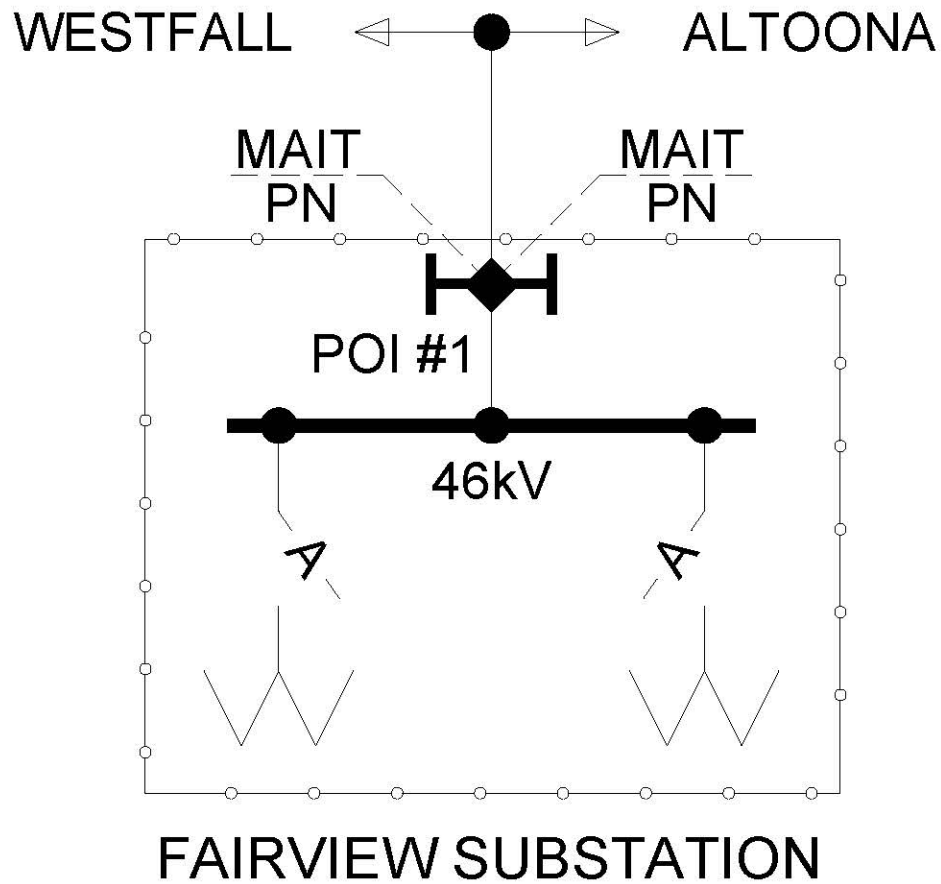
BY: AMF / J L M	DATE: 02/26/2018
APP: LAP	ISSUE: FINAL

AGREEMENT
MAIT-PN ISA

DOC. ID	REV.
PN-127-93-01	2



OPERATIONAL METERING WILL BE OWNED, OPERATED,
AND MAINTAINED BY THE PARTY OWNING THE
METERING AND WILL BE PROVIDED TO RTO ICCP.



◆ = POI #1 LOCATED AT DEAD-END.

OPERATIONAL METERING WILL BE OWNED, OPERATED, AND MAINTAINED BY THE PARTY OWNING THE METERING AND WILL BE PROVIDED TO RTO ICCP.

FirstEnergy

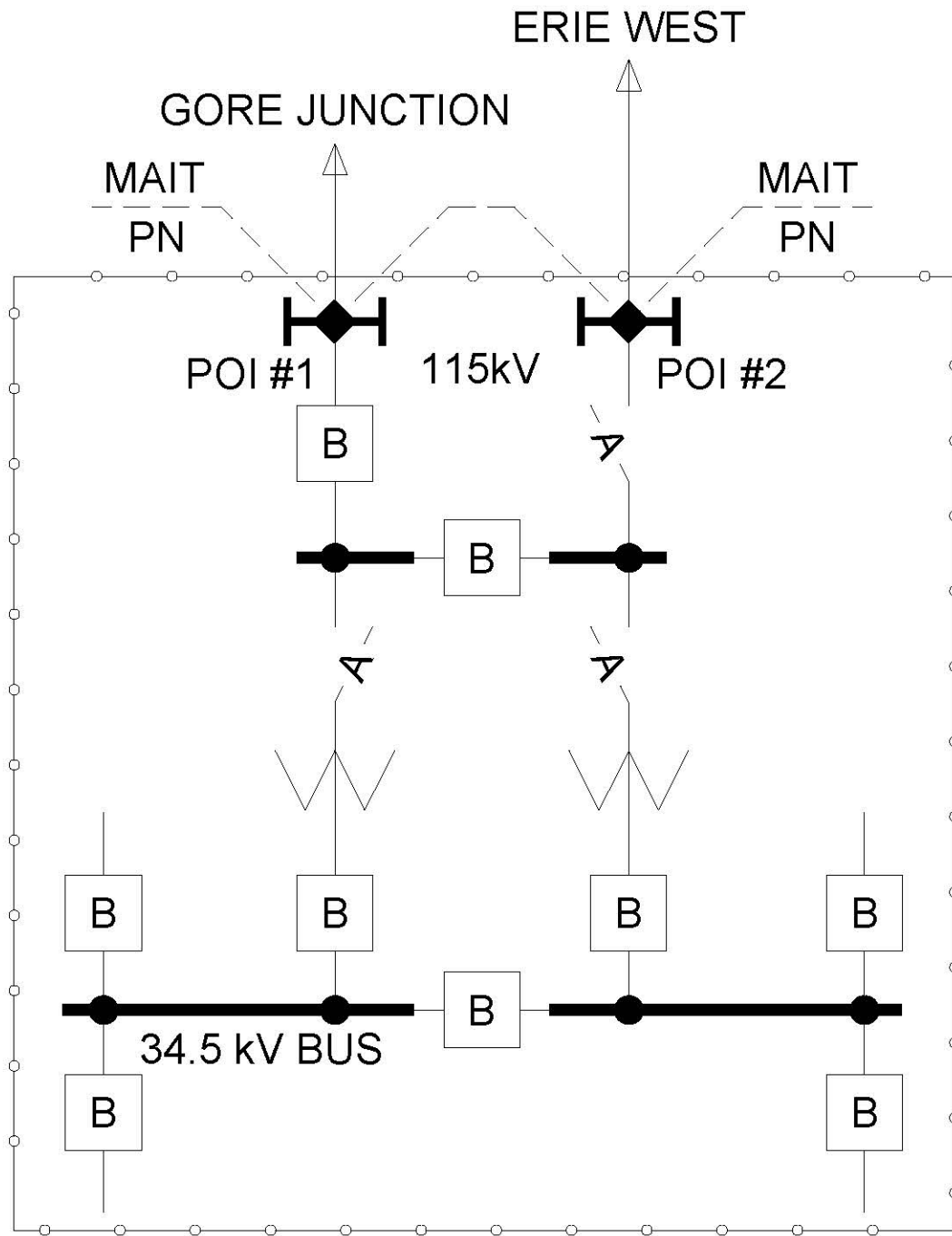
Energy Delivery Technical Services

TITLE
MAIT-PN INTERCONNECTIONS FOR FAIRVIEW SUBSTATION

BY: AMF	DATE: 10/10/2016
APP: LAP	ISSUE: FINAL

AGREEMENT
MAIT-PN ISA

DOC. ID	REV.
PN-132-93-01	-



FAIRVIEW EAST SUBSTATION

◆ = POI #1 LOCATED AT DEAD-END.

POI #2 LOCATED AT DEAD-END.

OPERATIONAL METERING WILL BE OWNED, OPERATED, AND MAINTAINED BY THE PARTY OWNING THE METERING AND WILL BE PROVIDED TO RTO ICCP.

FirstEnergy

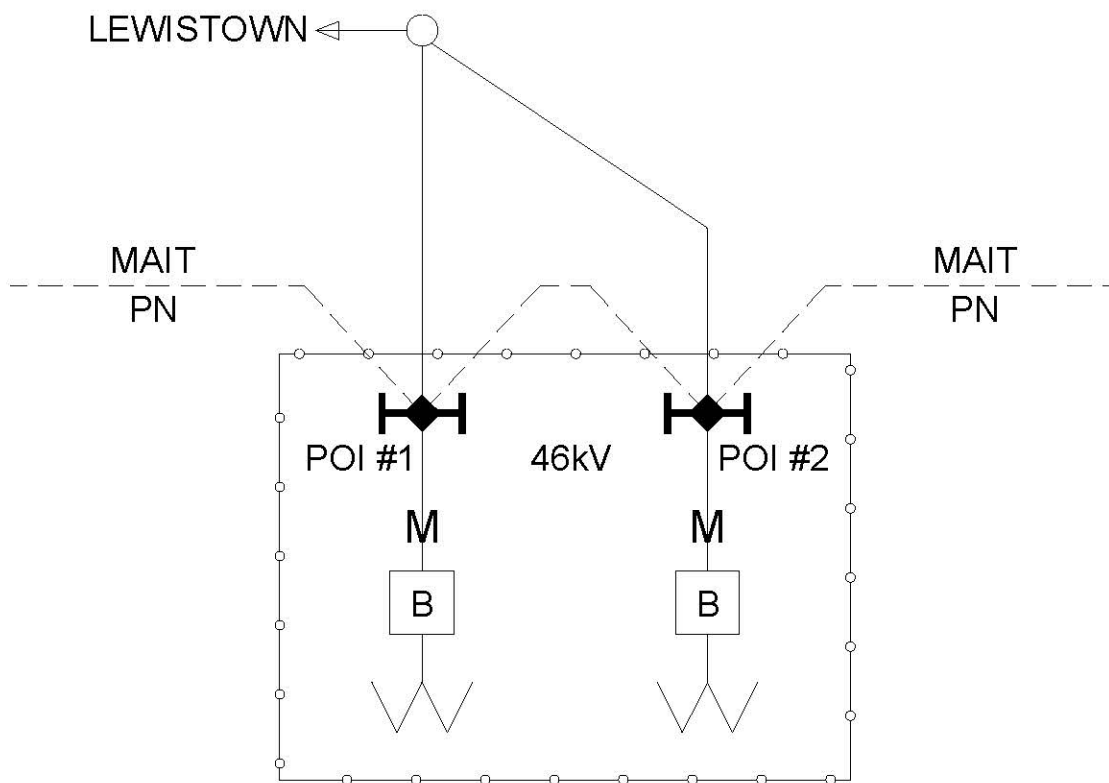
Energy Delivery Technical Services

MAIT-PN INTERCONNECTIONS FOR FAIRVIEW EAST SUBSTATION

BY: AMF	DATE: 10/10/2016
APP: LAP	ISSUE: FINAL

AGREEMENT
MAIT-PN ISA

DOC. ID	REV.
PN-134-93-01	-



FIRST QUALITY SUBSTATION

◆ = POI #1 LOCATED AT CUSTOMER DEAD-END.

POI #2 LOCATED AT CUSTOMER DEAD-END.

M = REVENUE METERING FOR IS OWNED, OPERATED, AND MAINTAIN BY PENELEC.

OPERATIONAL METERING IS OWNED, OPERATED, AND MAINTAINED BY THE PARTY OWNING THE METERING AND WILL BE PROVIDED TO RTO ICCP

FirstEnergy

Energy Delivery Technical Services

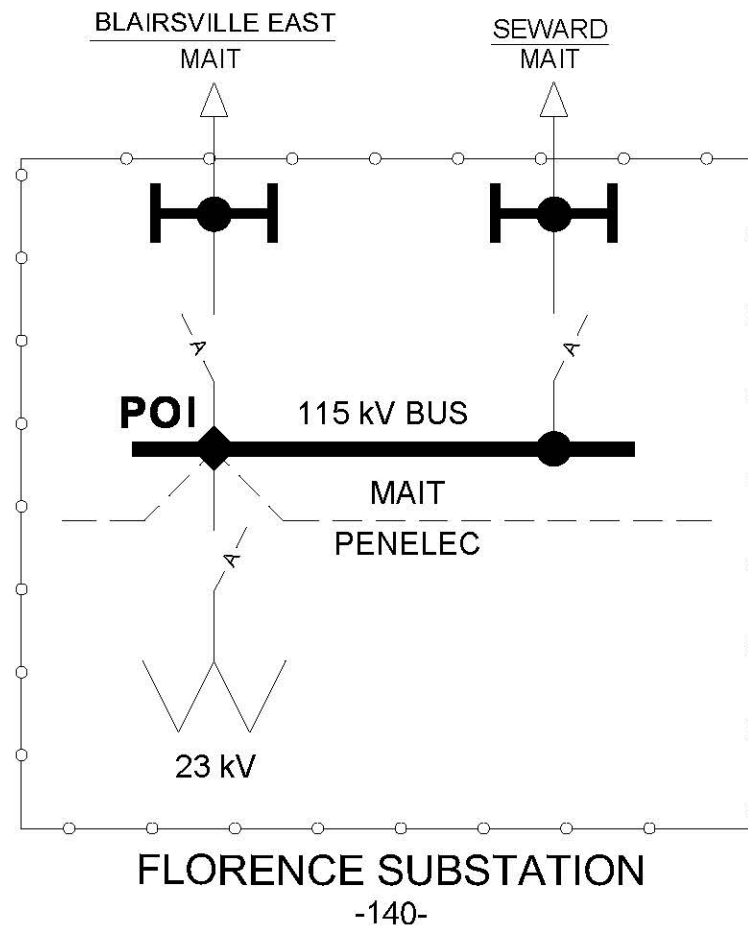
BY: AMF	DATE: 10/11/2016
APP: LAP	ISSUE: FINAL

MAIT INTERCONNECTION AT FIRST QUALITY SUBSTATION

AGREEMENT
MAIT-PN ISA

DOC. ID
PN-3124-93-01

REV.
-



◆ = POI, LOCATED AT MAIT OWNED SUBSTATION 115 kV BUS TAP, WHERE PENELEC (PN) OWNED TRANSFORMER TERMINATES.

OPERATIONAL METERING WILL BE OWNED, OPERATED, AND MAINTAINED BY THE PARTY OWNING THE METERING AND WILL BE PROVIDED TO RTO ICCP

FirstEnergy

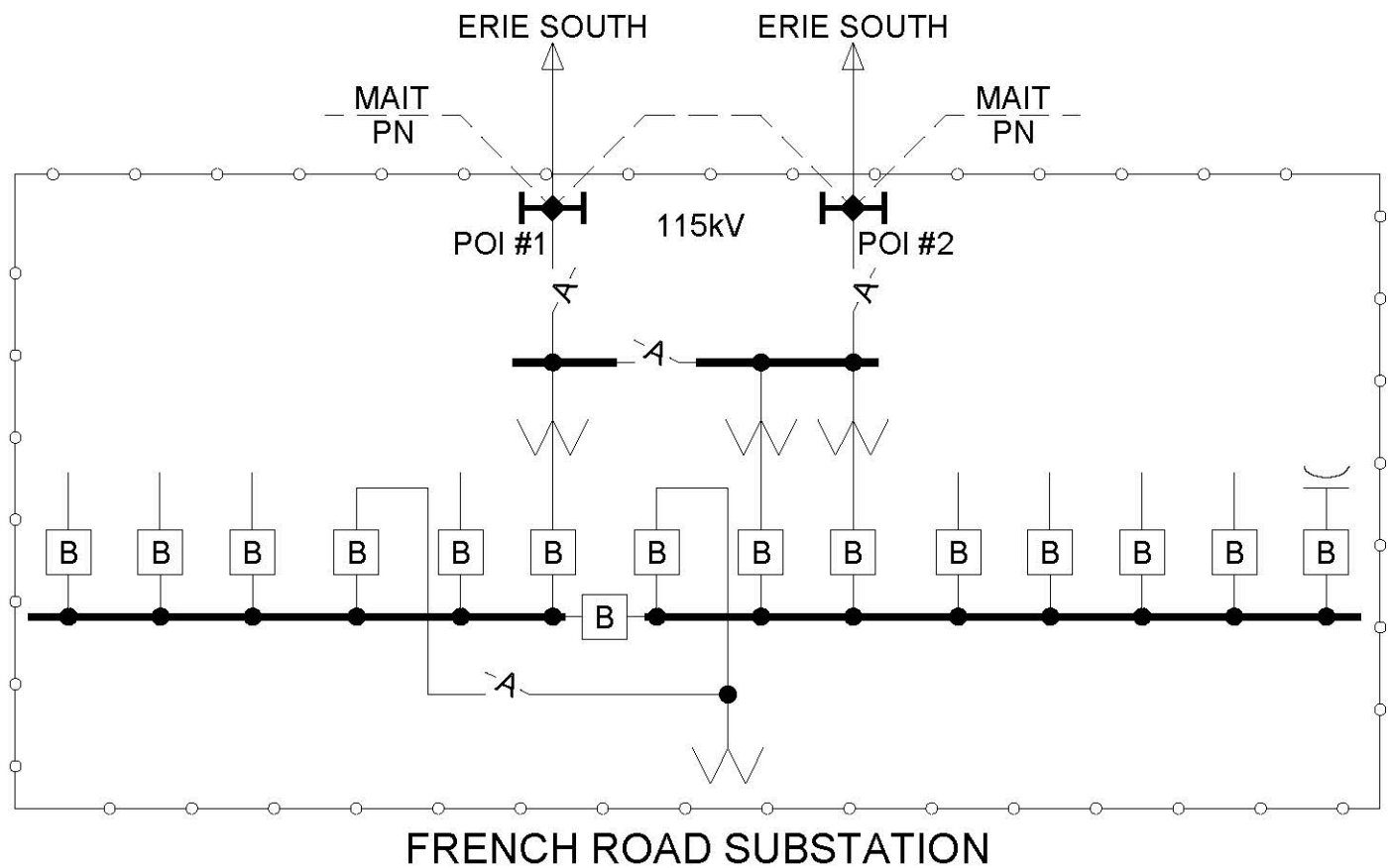
Energy Delivery Technical Services

TITLE
MAIT-PN INTERCONNECTIONS FOR FLORENCE SUBSTATION

BY: AMF / J L M	DATE: 06/05/2018
APP: LAP	ISSUE: FINAL

AGREEMENT
MAIT-PN ISA

DOC. ID	REV.
PN-140-93-01	2



◆ = POI #1 LOCATED AT DEAD-END.

POI #2 LOCATED AT DEAD-END.

OPERATIONAL METERING WILL BE OWNED, OPERATED, AND MAINTAINED BY THE PARTY OWNING THE METERING AND WILL BE PROVIDED TO RTO ICCP.

FirstEnergy

Energy Delivery Technical Services

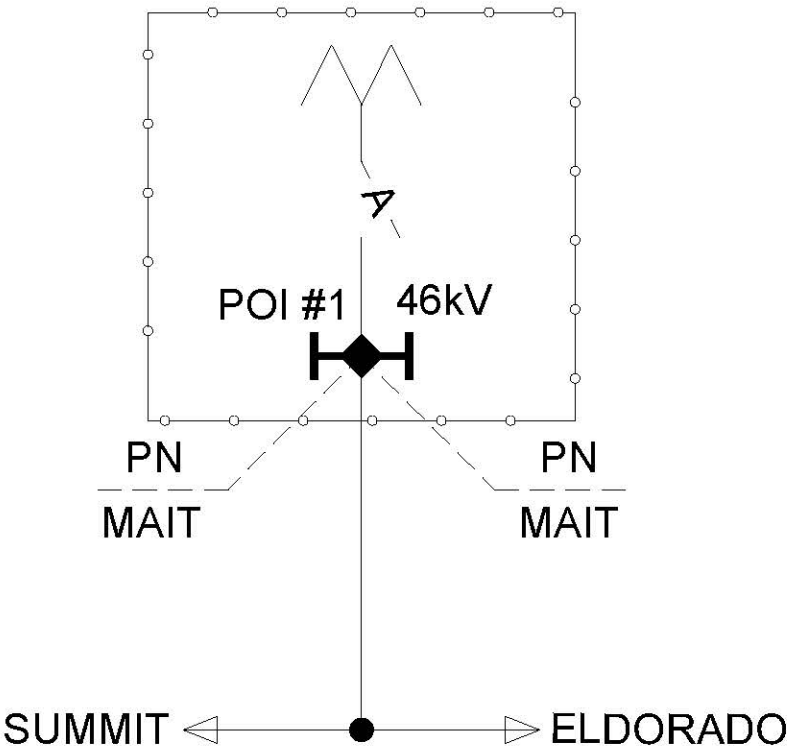
TITLE
MAIT-PN INTERCONNECTIONS FOR FRENCH ROAD SUBSTATION

BY: AMF	DATE: 10/10/16
APP: LAP	ISSUE: FINAL

AGREEMENT
MAIT-PN ISA

DOC. ID	REV.
PN-147-93-01	-

GALLITZEN SUBSTATION



◆ = POI #1 LOCATED AT DEAD-END.

OPERATIONAL METERING IS OWNED, OPERATED, AND MAINTAINED BY THE PARTY OWNING THE METERING AND WILL BE PROVIDED TO RTO ICCP

FirstEnergy

Energy Delivery Technical Services

MAIT-PN INTERCONNECTIONS AT GALLITZEN SUBSTATION

BY: AMF	DATE: 10/10/2016
APP: LAP	ISSUE: FINAL

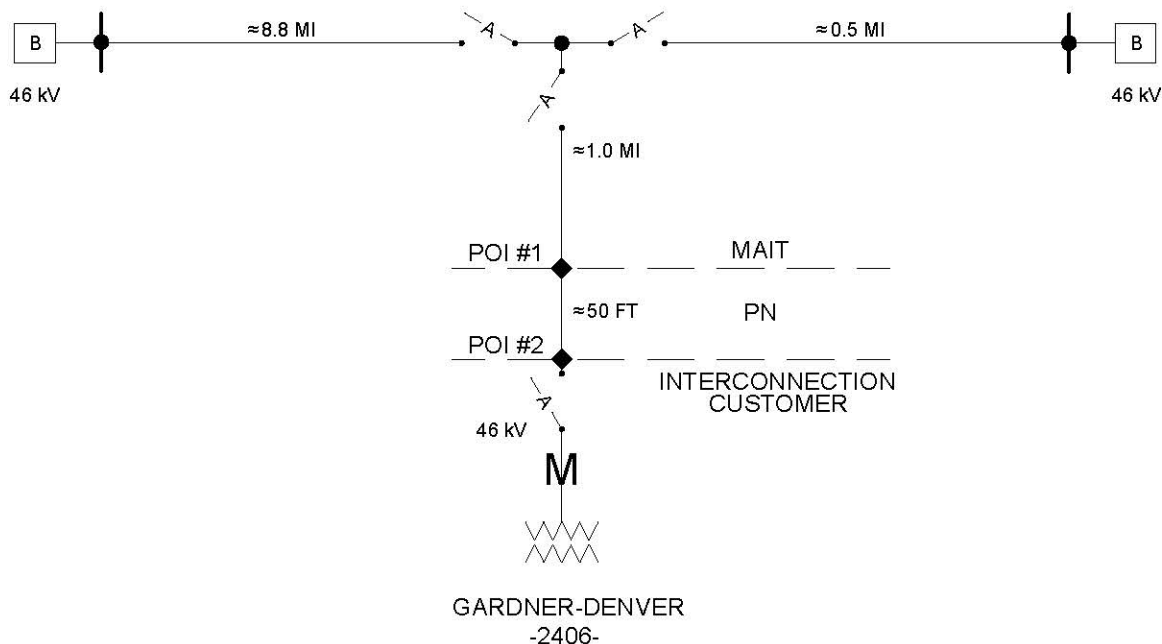
AGREEMENT
MAIT-PN ISA

DOC. ID
PN-152-93-01

REV.
-

GREENWOOD
-169-
(NOT FULLY SHOWN)

TIPTON
-387-
(NOT FULLY SHOWN)



◆ = POI #1, LOCATED WHERE MAIT OWNED LINES
TERMINATE TO PENELEC (PN) OWNED LINES

POI #2, LOCATED WHERE PENELEC (PN) OWNED LINES
TERMINATE AT THE INTERCONNECTION CUSTOMER'S
SUBSTATION DEAD-END STRUCTURE

M = REVENUE METERING FOR INTERCONNECTION CUSTOMER
IS OWNED, OPERATED, AND MAINTAINED BY PENELEC (PN)

OPERATIONAL METERING WILL BE OWNED,
OPERATED, AND MAINTAINED BY THE PARTY OWNING
THE METERING AND WILL BE PROVIDED TO RTO ICCP

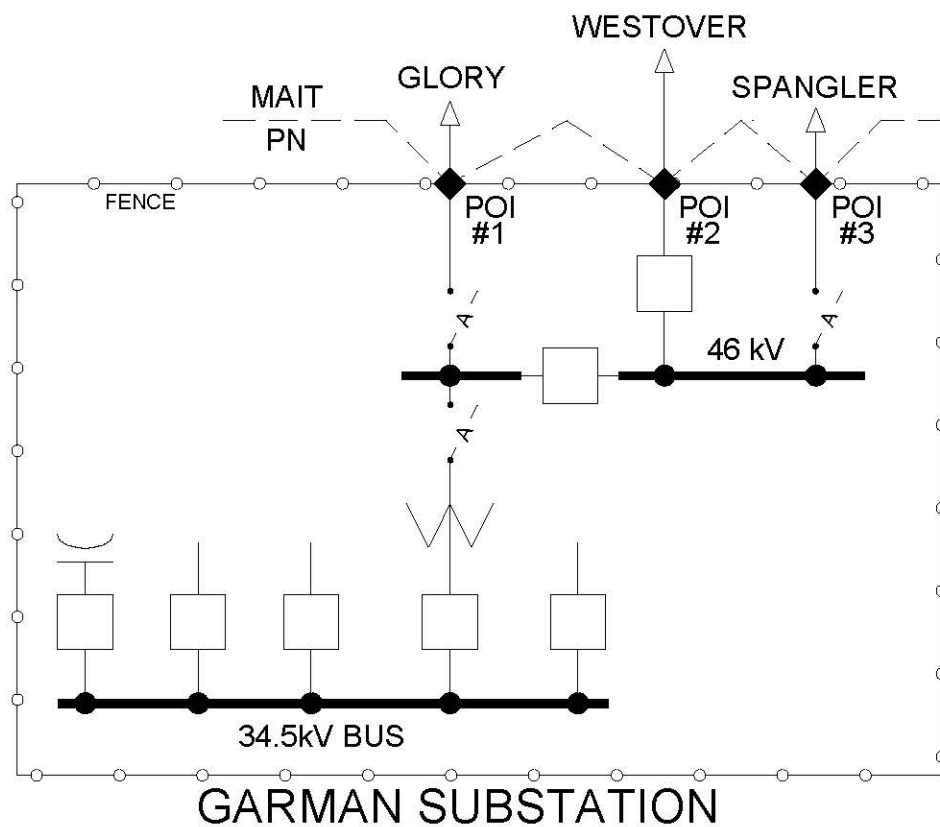
FirstEnergy
Energy Delivery Technical Services

**CUSTOMER OWNED GARDNER - DENVER SUBSTATION INTERCONNECTION
TO THE MAIT-PN GREENWOOD-TIPTON 46 kV LINE**

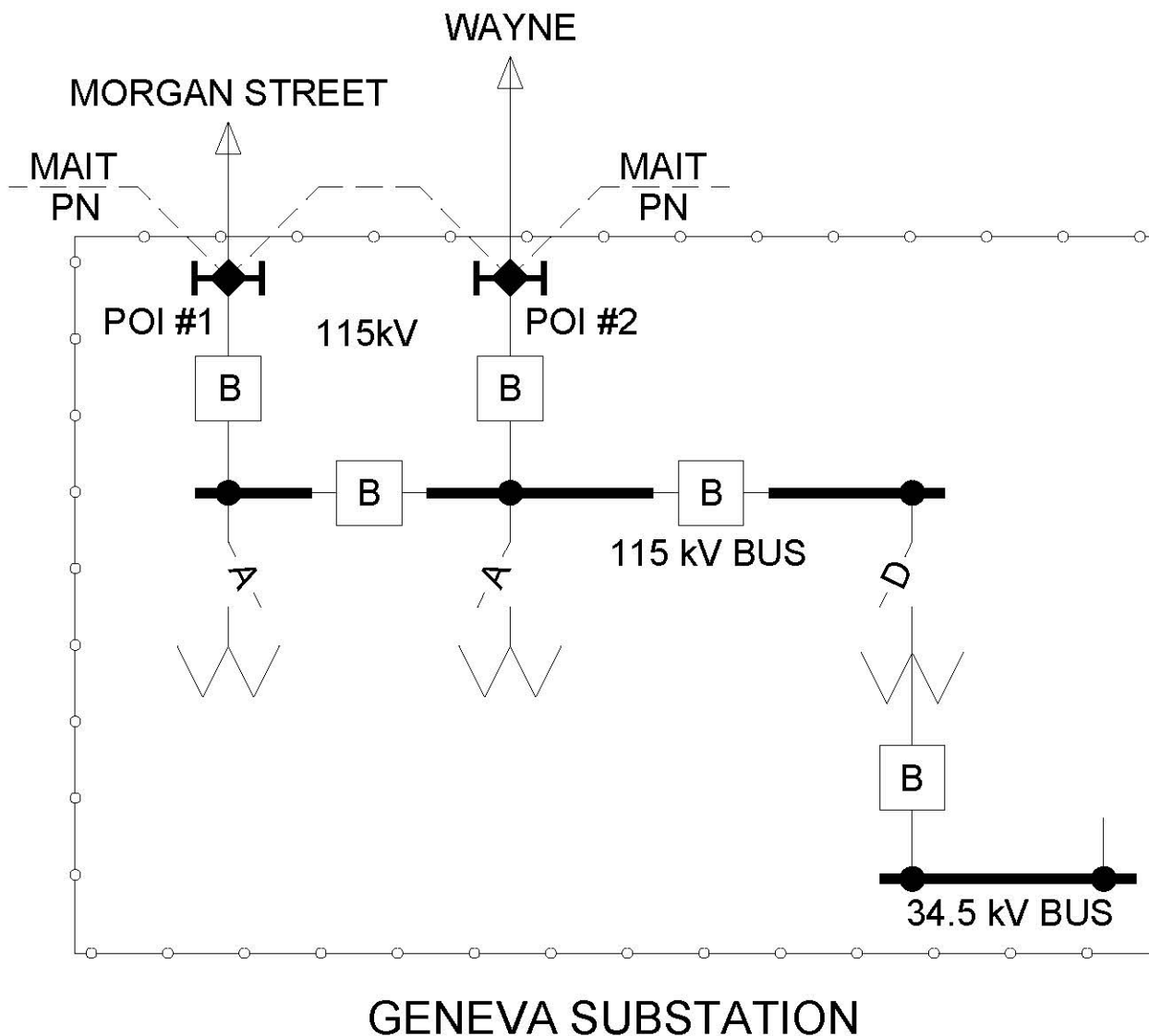
BY: J L M DATE: 06/04/2018
APP: - ISSUE: FINAL

AGREEMENT

DOC. ID REV.
POI-MAIT-PN-2406-93-01.dwg -



◆ = POI #1, POI #2, POI #3, LOCATED WHERE 46 kV LINES CROSS THE GARMAN SUBSTATION FENCE



◆ = POI #1 LOCATED AT DEAD-END.

POI #2 LOCATED AT DEAD-END.

OPERATIONAL METERING WILL BE OWNED, OPERATED, AND MAINTAINED BY THE PARTY OWNING THE METERING AND WILL BE PROVIDED TO RTO ICCP.

FirstEnergy

Energy Delivery Technical Services

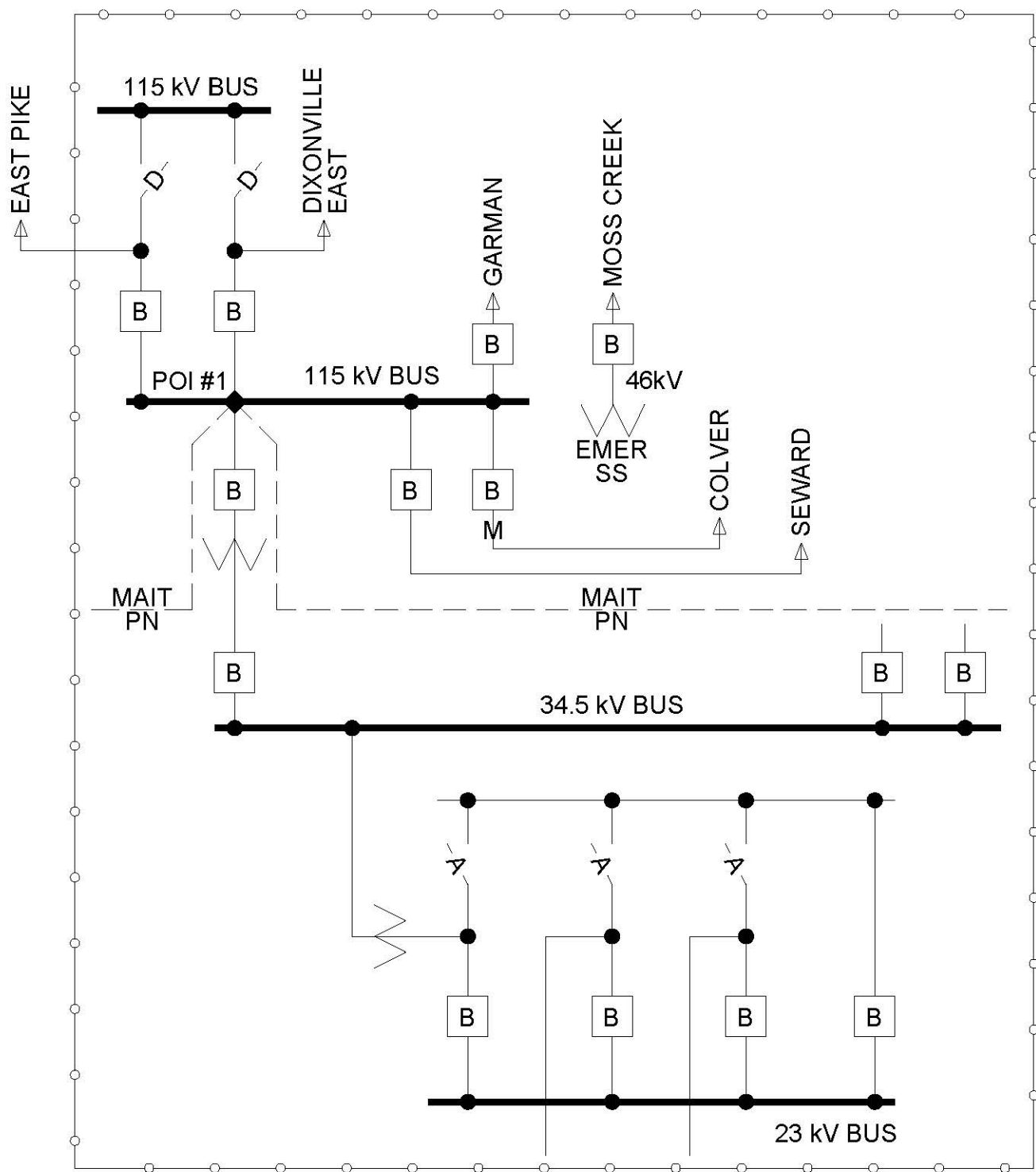
BY: AMF DATE: 10/10/2016
APP: LAP ISSUE: FINAL

TITLE
MAIT-PN INTERCONNECTIONS FOR GENEVA SUBSTATION

AGREEMENT
MAIT-PN ISA

DOC. ID
PN-157-93-01

REV.
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GLORY SUBSTATION

◆ = POI #1 LOCATED AT 115KV BUS TAP FOR N67 TR CIRCUIT.

OPERATIONAL METERING WILL BE OWNED, OPERATED, AND MAINTAINED BY THE PARTY OWNING THE METERING AND WILL BE PROVIDED TO RTO ICCP.

FirstEnergy

Energy Delivery Technical Services

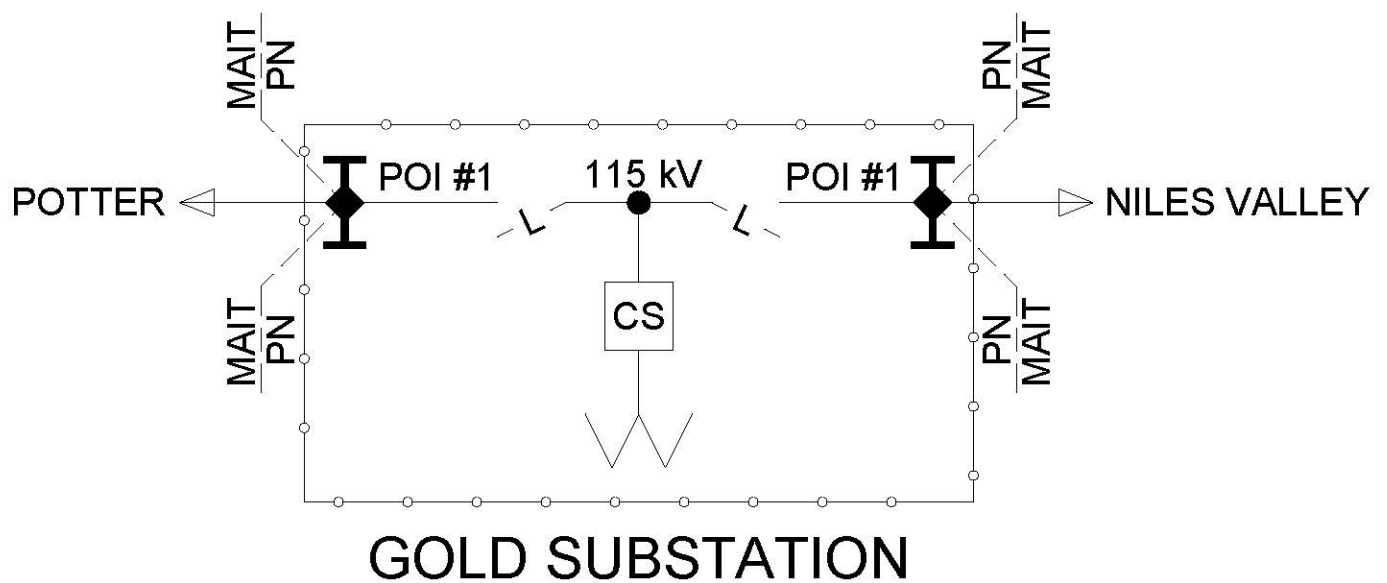
BY: AMF DATE: 10/10/2016
APP: LAP ISSUE: FINAL

MAIT-PN INTERCONNECTIONS FOR GLORY SUBSTATION

AGREEMENT
MAIT-PN ISA

DOC. ID
PN-162-93-01

REV.
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◆ = POI #1 LOCATED AT DEAD-END.

POI #2 LOCATED AT DEAD-END.

OPERATIONAL METERING IS OWNED, OPERATED, AND MAINTAINED BY THE PARTY OWNING THE METERING AND WILL BE PROVIDED TO RTO ICCP

FirstEnergy

Energy Delivery Technical Services

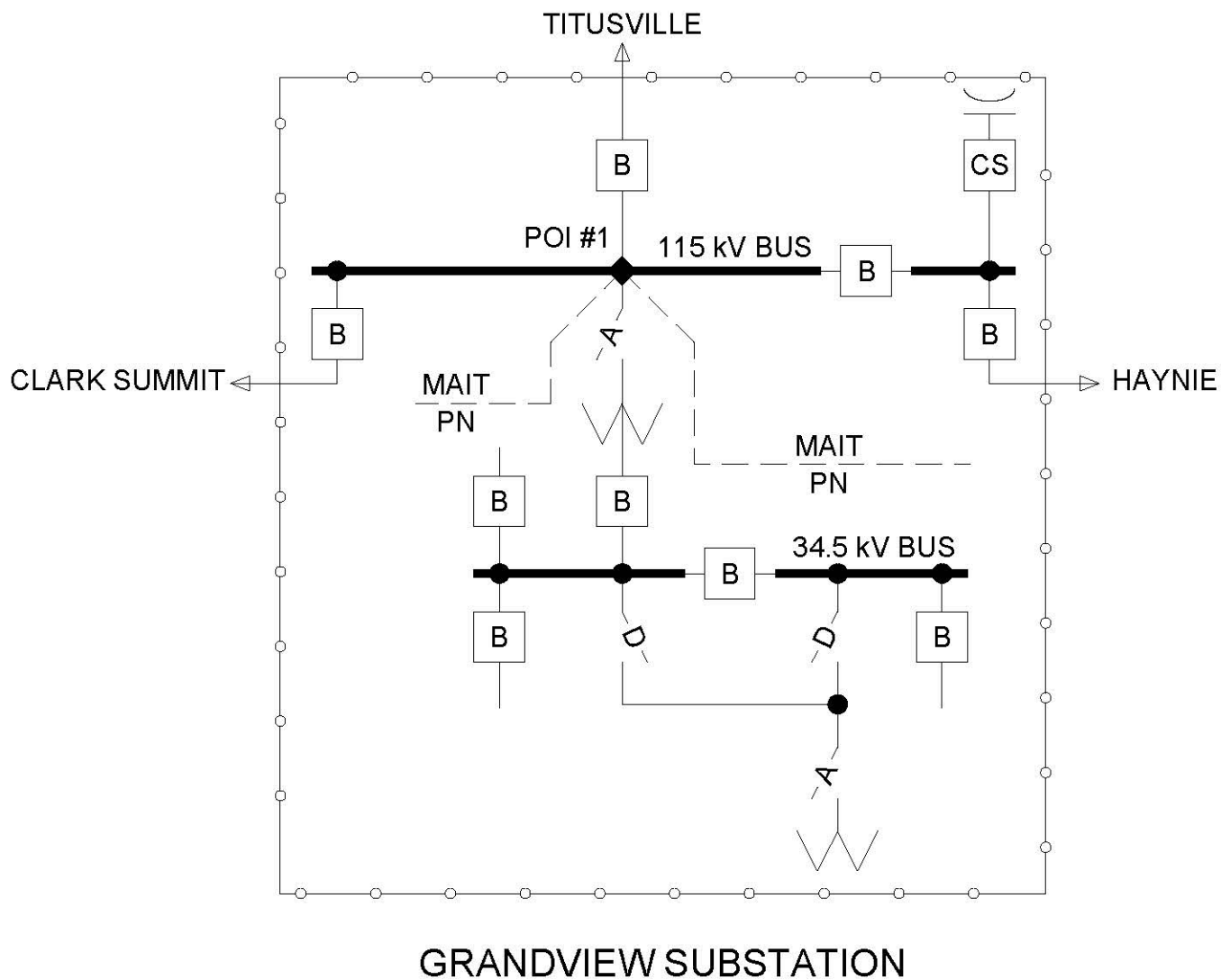
TITLE
MAIT-PN INTERCONNECTIONS FOR GOLD SUBSTATION

BY: AMF	DATE: 10/10/2016
APP: LAP	ISSUE: FINAL

AGREEMENT
MAIT-PN ISA

DOC. ID
PN-164-93-01

REV.
-



◆ = POI #1 LOCATED AT BUS TAP FOR No2 TR CIRCUIT.

OPERATIONAL METERING WILL BE OWNED, OPERATED, AND MAINTAINED BY THE PARTY OWNING THE METERING AND WILL BE PROVIDED TO RTO ICCP.

FirstEnergy

Energy Delivery Technical Services

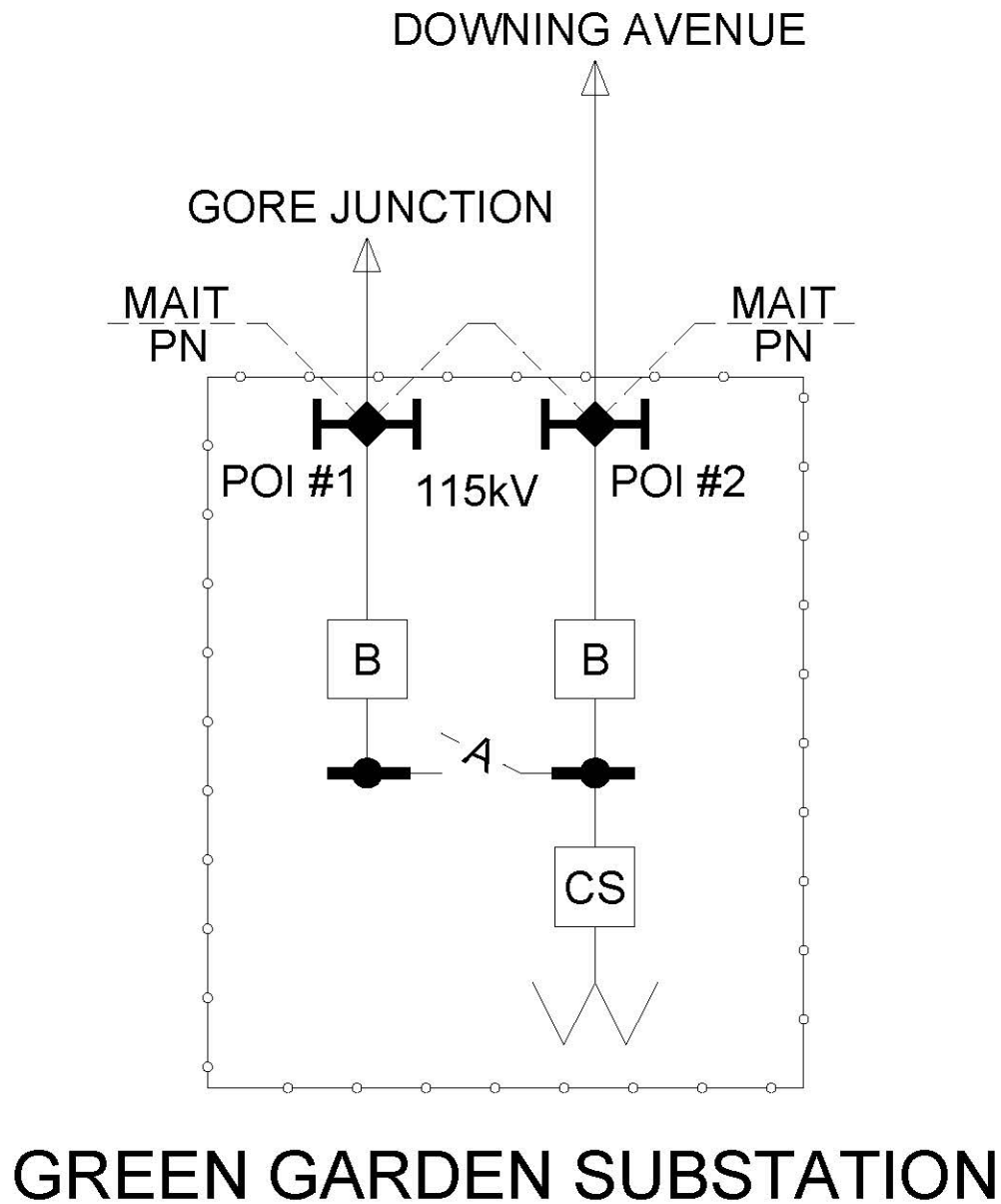
TITLE
MAIT-PN INTERCONNECTIONS FOR GRANDVIEW SUBSTATION

BY: AMF	DATE: 10/10/2016
APP: LAP	ISSUE: FINAL

AGREEMENT
MAIT-PN ISA

DOC. ID
PN-165-93-01

REV.
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◆ = POI #1 LOCATED AT DEAD-END.

POI #2 LOCATED AT DEAD-END.

OPERATIONAL METERING IS OWNED, OPERATED, AND MAINTAINED BY THE PARTY OWNING THE METERING AND WILL BE PROVIDED TO RTO ICCP

FirstEnergy

Energy Delivery Technical Services

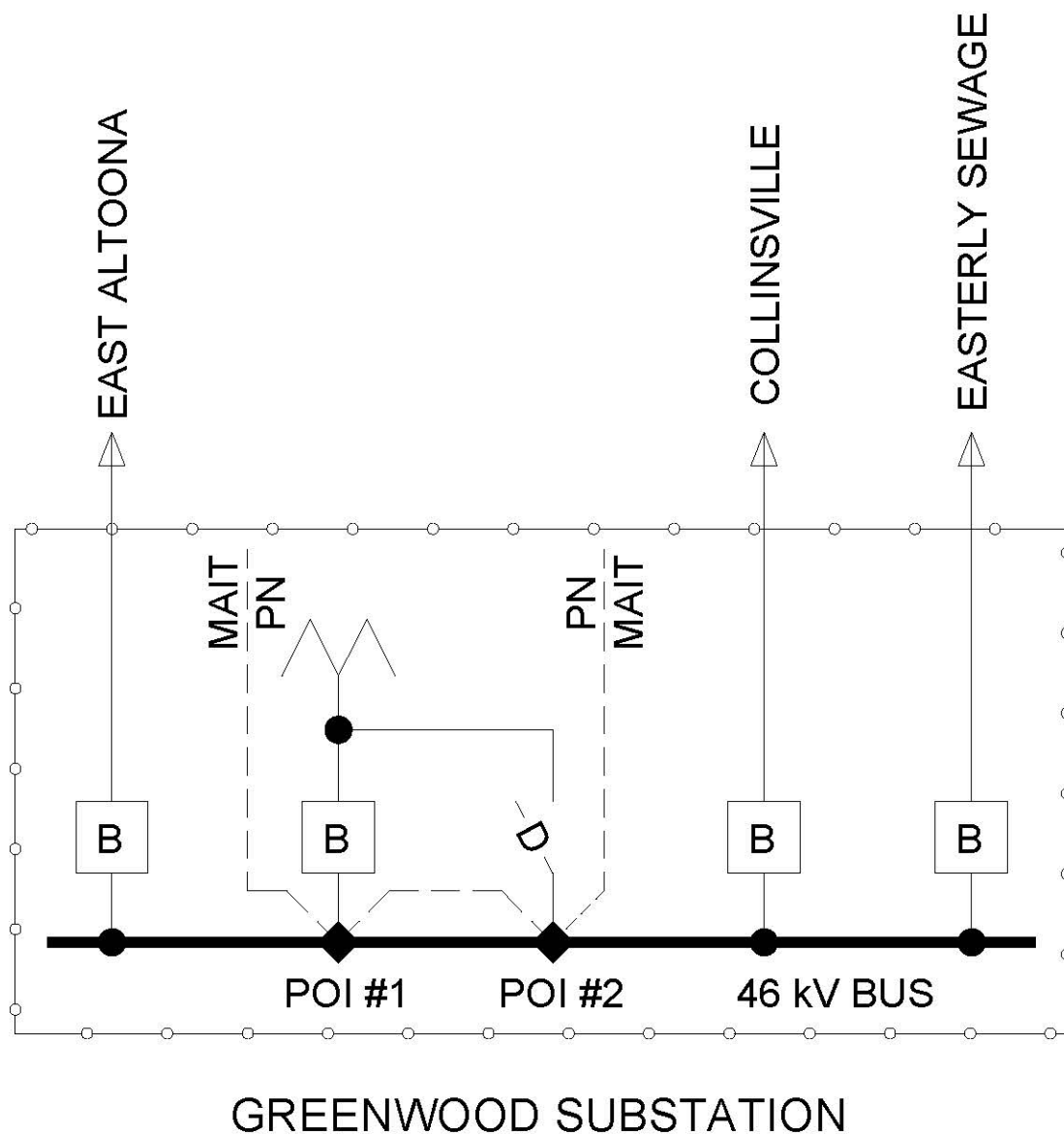
TITLE
MAIT-PN INTERCONNECTIONS FOR GREEN GARDEN SUBSTATION

BY: AMF	DATE: 10/10/2016
APP: LAP	ISSUE: FINAL

AGREEMENT
MAIT-PN ISA

DOC. ID
PN-167-93-01

REV.
-



◆ = POI #1: LOCATED AT BUS TAP FOR No1 TR.

POI #2: LOCATED AT BUS TAP FOR No1 TR BREAKER BYPASS SWITCH.

OPERATIONAL METERING WILL BE OWNED, OPERATED, AND MAINTAINED BY THE PARTY OWNING THE METERING AND WILL BE PROVIDED TO RTO ICCP.

FirstEnergy

Energy Delivery Technical Services

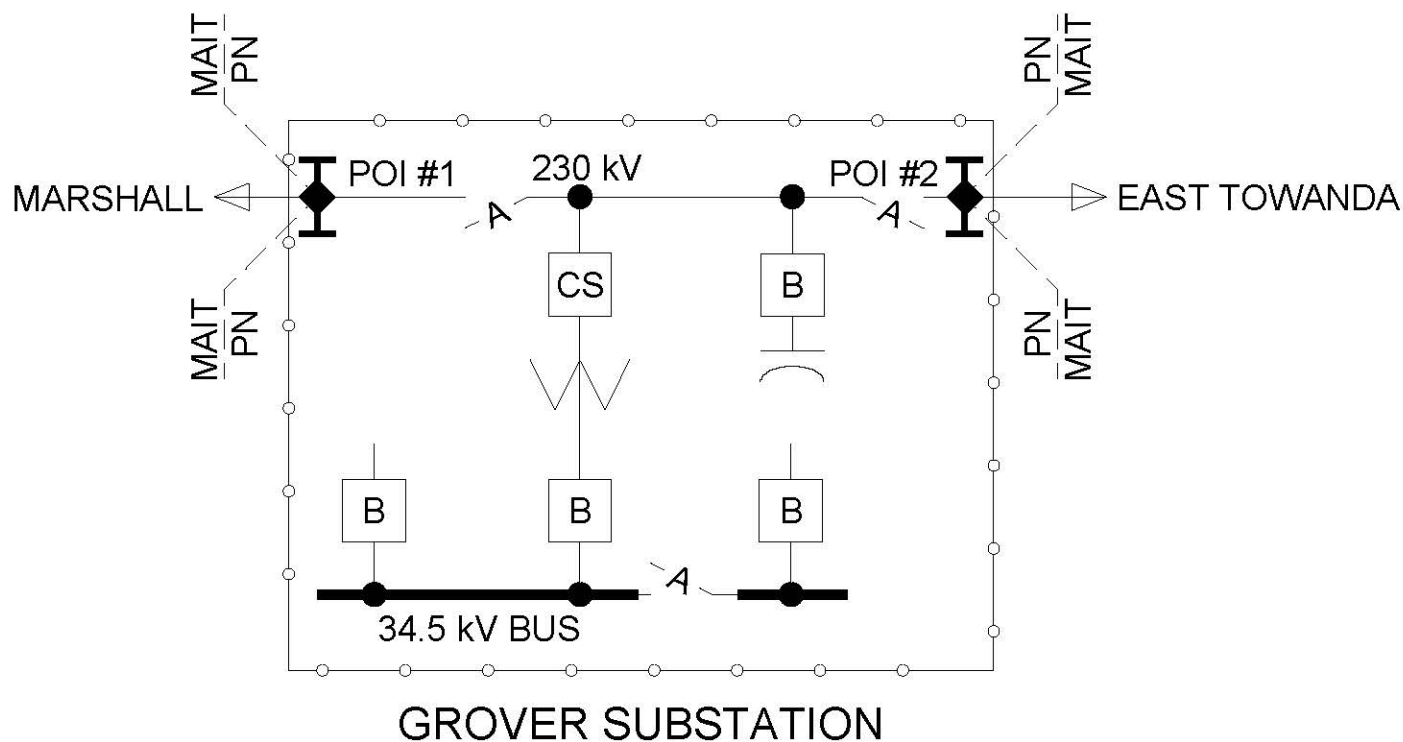
MAIT-PN INTERCONNECTIONS FOR GREENWOOD SUBSTATION

BY: AMF	DATE: 10/10/2016
APP: LAP	ISSUE: FINAL

TITLE
MAIT-PN ISA

AGREEMENT
PN-169-93-01

DOC. ID
-



◆ = POI #1 LOCATED AT DEAD-END.

POI #2 LOCATED AT DEAD-END.

OPERATIONAL METERING WILL BE OWNED, OPERATED, AND MAINTAINED BY THE PARTY OWNING THE METERING AND WILL BE PROVIDED TO RTO ICCP.

FirstEnergy

Energy Delivery Technical Services

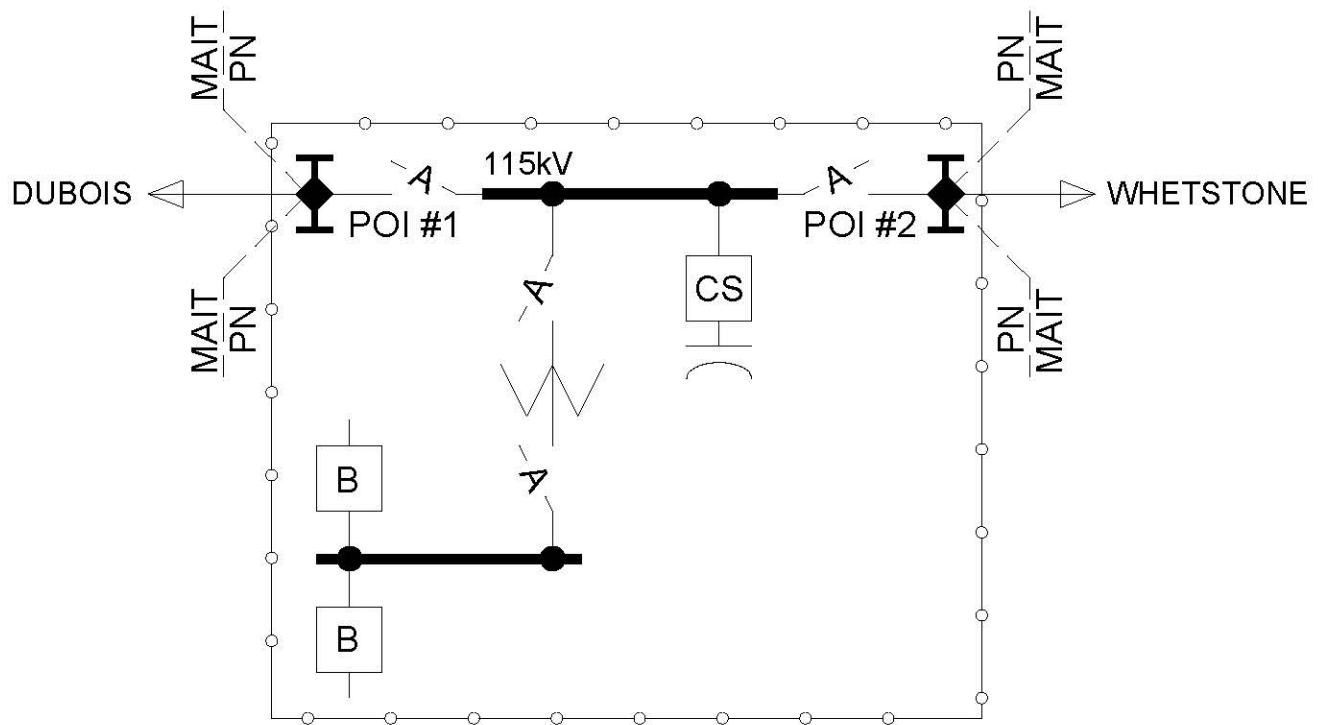
BY: AMF DATE: 10/10/2016
APP: LAP ISSUE: FINAL

MAIT-PN INTERCONNECTIONS FOR GROVER SUBSTATION

AGREEMENT
MAIT-PN ISA

DOC. ID
PN-170-93-01

REV.
-



HARVEY RUN SUBSTATION

◆ = POI #1 LOCATED AT DEAD-END.

POI #2 LOCATED AT DEAD-END.

OPERATIONAL METERING WILL BE OWNED, OPERATED, AND MAINTAINED BY THE PARTY OWNING THE METERING AND WILL BE PROVIDED TO RTO ICCP.

FirstEnergy

Energy Delivery Technical Services

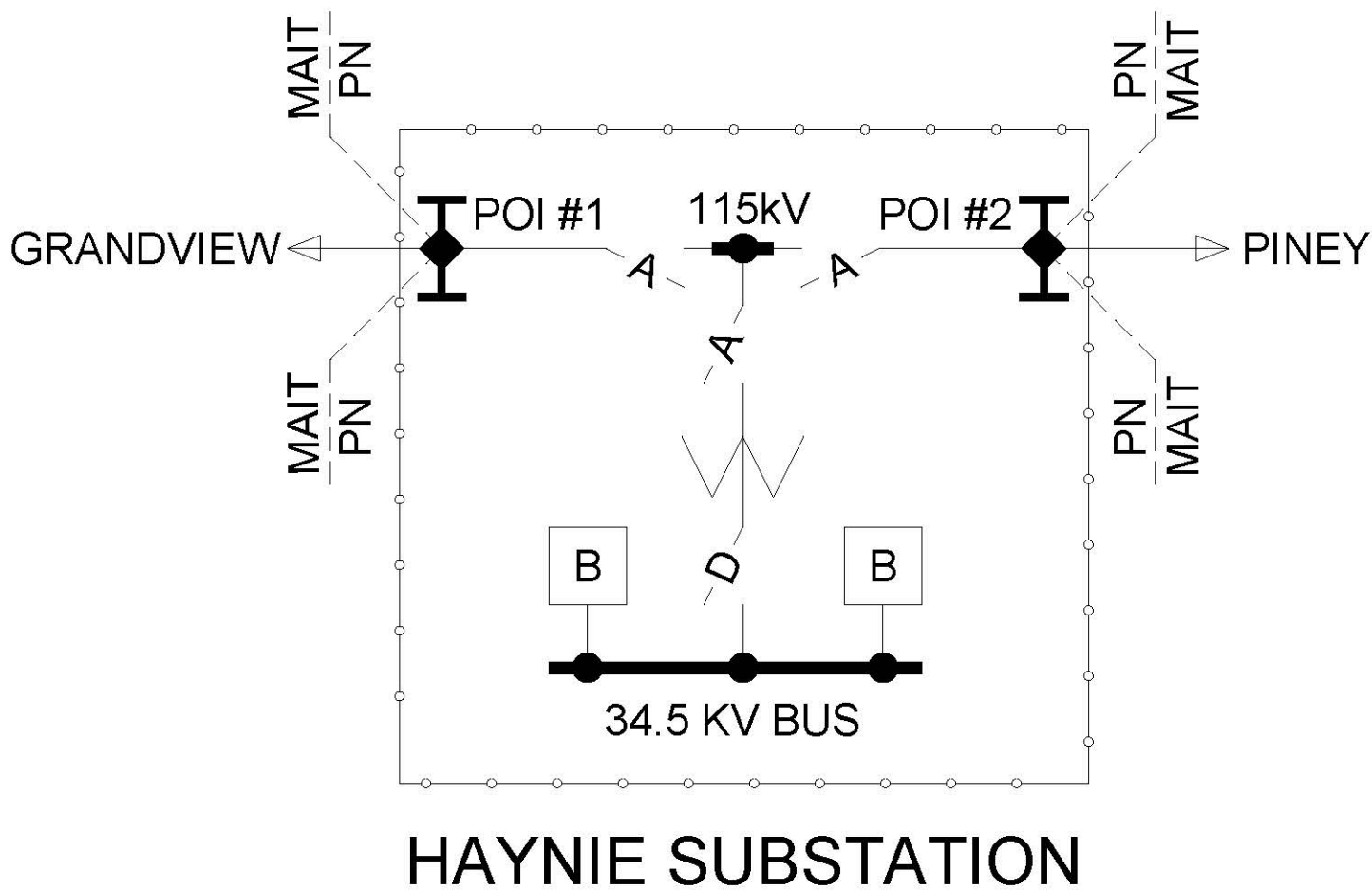
BY: AMF	DATE: 10/10/2016
APP: LAP	ISSUE: FINAL

MAIT-PN INTERCONNECTIONS HARVEY RUN SUBSTATION

AGREEMENT
MAIT-PN ISA

DOC. ID
PN-175-93-01

REV.
-



◆ = POI #1 LOCATED AT DEAD-END.

POI #2 LOCATED AT DEAD-END.

OPERATIONAL METERING IS OWNED, OPERATED, AND MAINTAINED BY THE PARTY OWNING THE METERING AND WILL BE PROVIDED TO RTO ICCP

FirstEnergy

Energy Delivery Technical Services

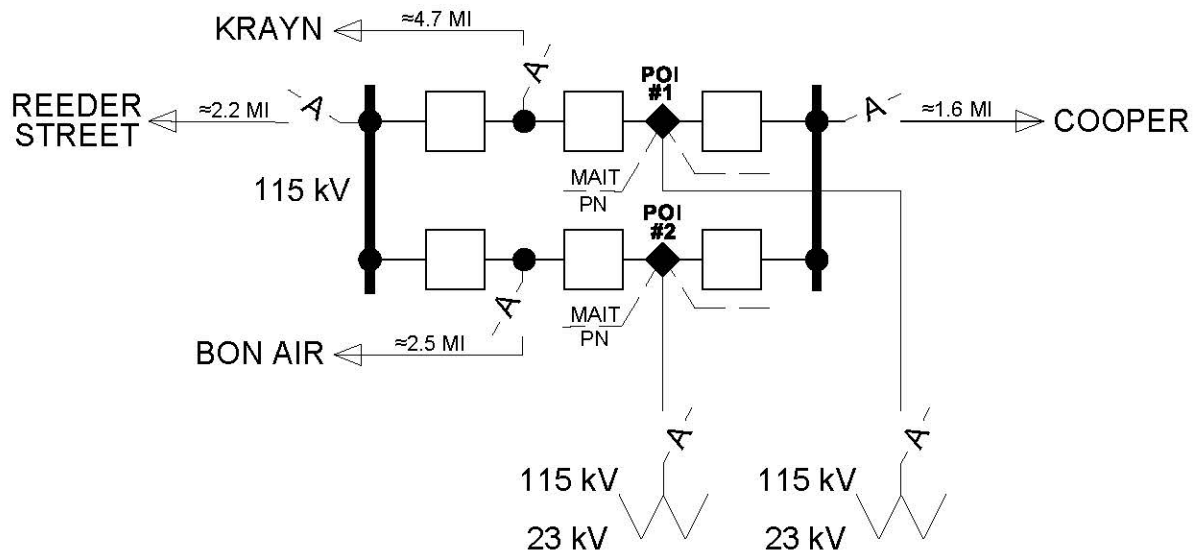
BY: AMF	DATE: 10/10/2016
APP: LAP	ISSUE: FINAL

TITLE
MAIT-PN INTERCONNECTIONS AT HAYNIE SUBSTATION

AGREEMENT
MAIT-PN ISA

DOC. ID
PN-177-93-01

REV.
-



HILLTOP SUBSTATION

◆ = POI #1, POI #2, LOCATED AT MAIT OWNED SUBSTATION
115 kV BUS TAP WHERE PENELEC (PN) OWNED LINES
TERMINATE

FirstEnergy

Energy Delivery Technical Services

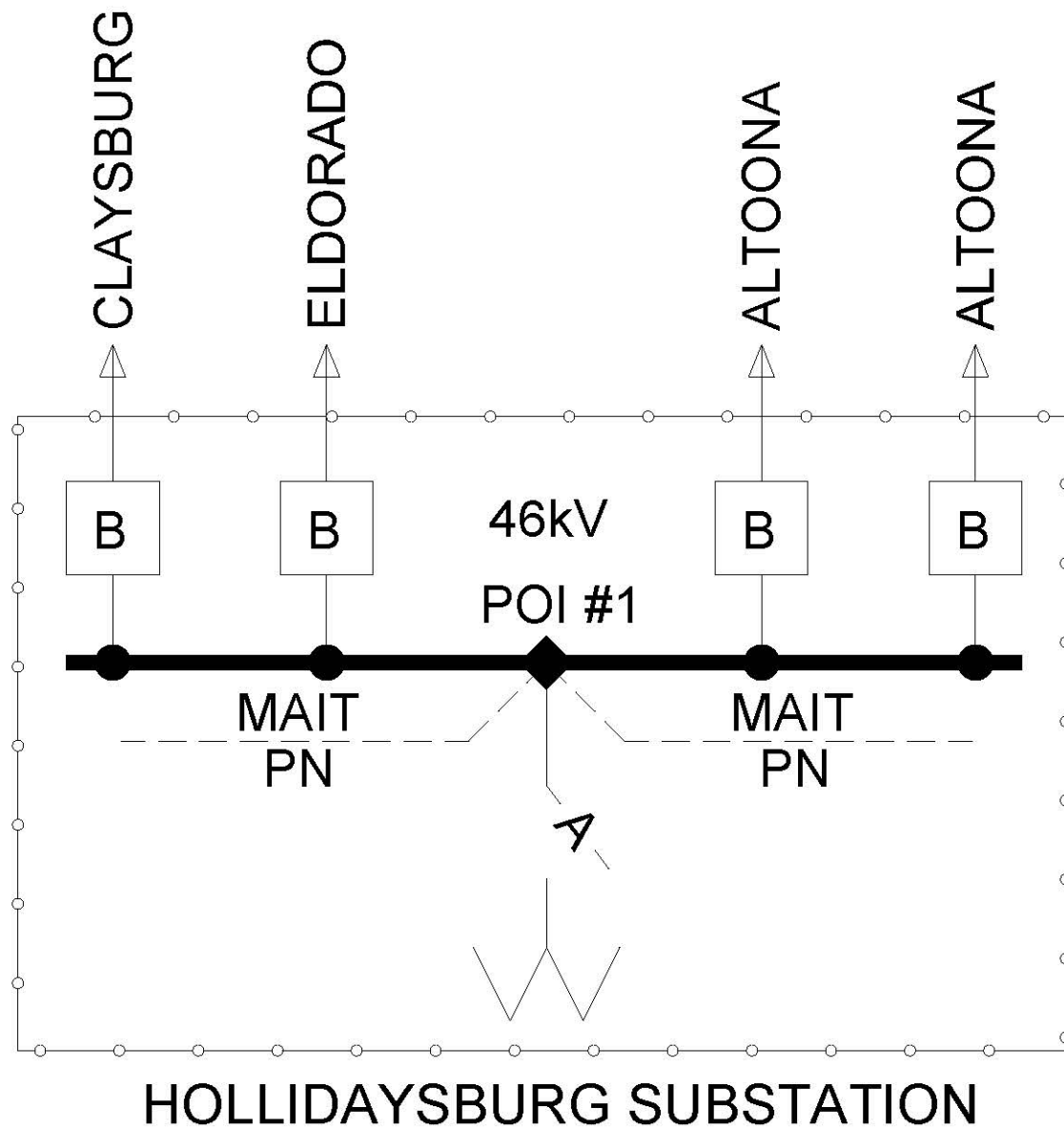
BY: AMF / J L M	DATE: 07/30/2018
APP: LAP	ISSUE: FINAL

MAIT-PN INTERCONNECTIONS FOR HILLTOP SUBSTATION

AGREEMENT
MAIT-PN ISA

DOC. ID
PN-181-93-01

REV.
2



◆ = POI #1 LOCATED AT BUS TAP FOR No1 TR.

OPERATIONAL METERING WILL BE OWNED, OPERATED, AND MAINTAINED BY THE PARTY OWNING THE METERING AND WILL BE PROVIDED TO RTO ICCP.

FirstEnergy

Energy Delivery Technical Services

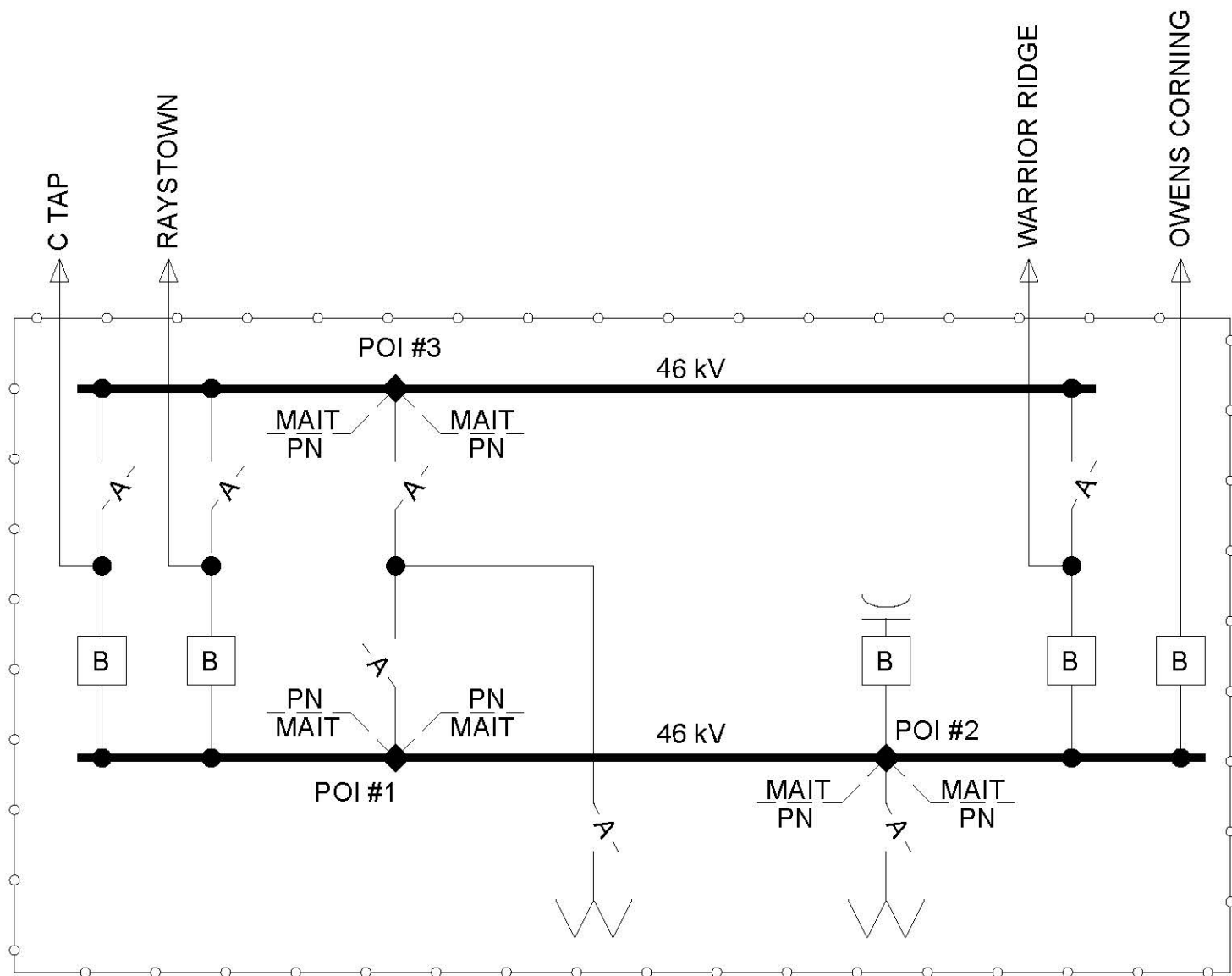
TITLE
MAIT-PN INTERCONNECTIONS FOR HOLLIDAYSBURG SUBSTATION

BY: AMF	DATE: 10/10/2016
APP: LAP	ISSUE: FINAL

AGREEMENT
MAIT-PN ISA

DOC. ID
PN-182-93-01

REV.
-



HUNTINGDON SUBSTATION

◆ = POI #1 LOCATED AT MAIN BUS TAP FOR No1 TR.

POI #2 LOCATED AT MAIN BUS TAP FOR No2 TR.

POI #3 LOCATED AT TRANSFER BUS TAP FOR No1 TR.

OPERATIONAL METERING WILL BE OWNED, OPERATED, AND MAINTAINED BY THE PARTY OWNING THE METERING AND WILL BE PROVIDED TO RTO ICCP.

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Energy Delivery Technical Services

MAIT-PN INTERCONNECTIONS FOR HUNTINGDON SUBSTATION

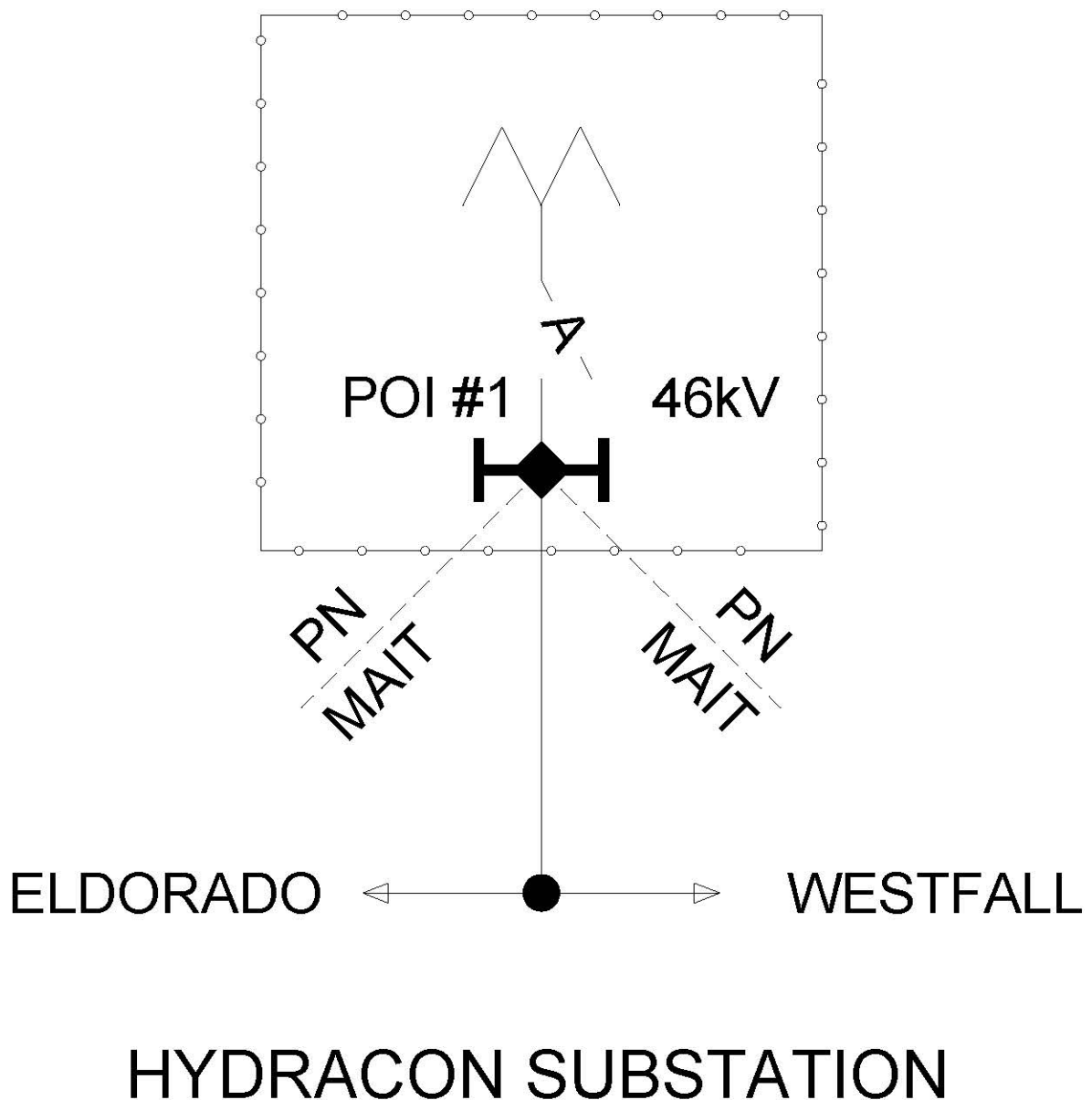
BY: AMF
APP: LAP

DATE: 10/10/2016
ISSUE: Final

AGREEMENT
MAIT-PN ISA

DOC. ID
PN-188-93-01

REV.
-



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Energy Delivery Technical Services

BY: AMF DATE: 10/10/2016

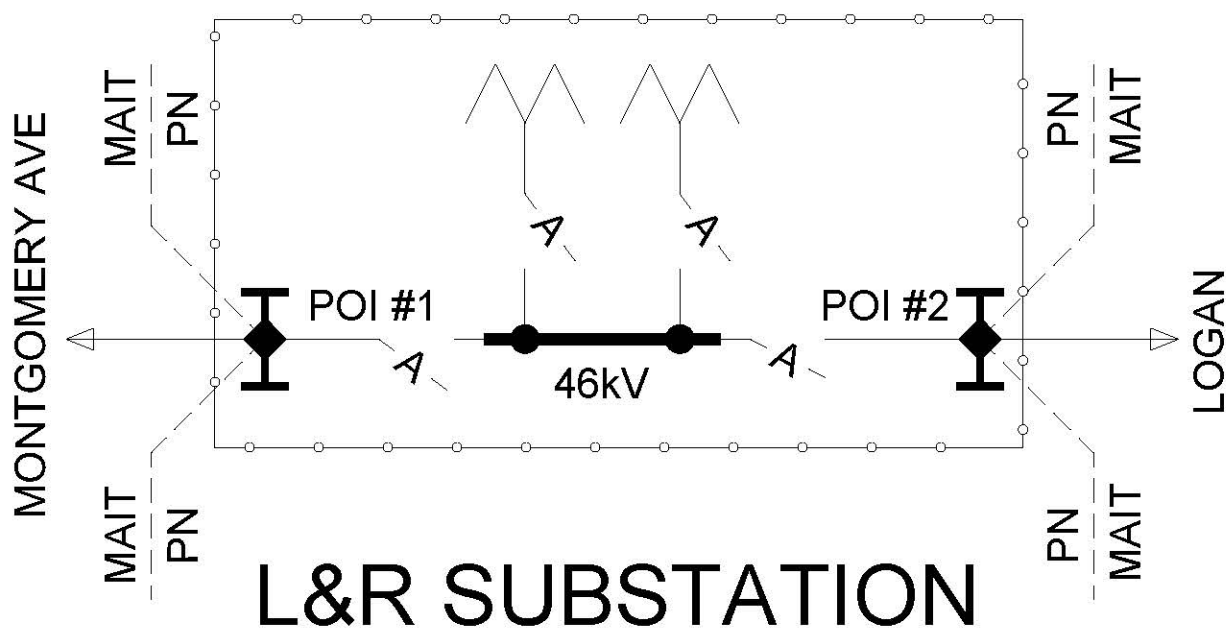
APP: - ISSUE: Final

TITLE
MAIT-PN INTERCONNECTIONS AT HYDRACON SUBSTATION

AGREEMENT
MAIT-PN ISA

DOC. ID
PN-191-93-01

REV.
-



◆ = POI #1 LOCATED AT DEAD-END.

POI #2 LOCATED AT DEAD-END.

OPERATIONAL METERING IS OWNED, OPERATED, AND MAINTAINED BY THE PARTY OWNING THE METERING AND WILL BE PROVIDED TO RTO ICCP

FirstEnergy

Energy Delivery Technical Services

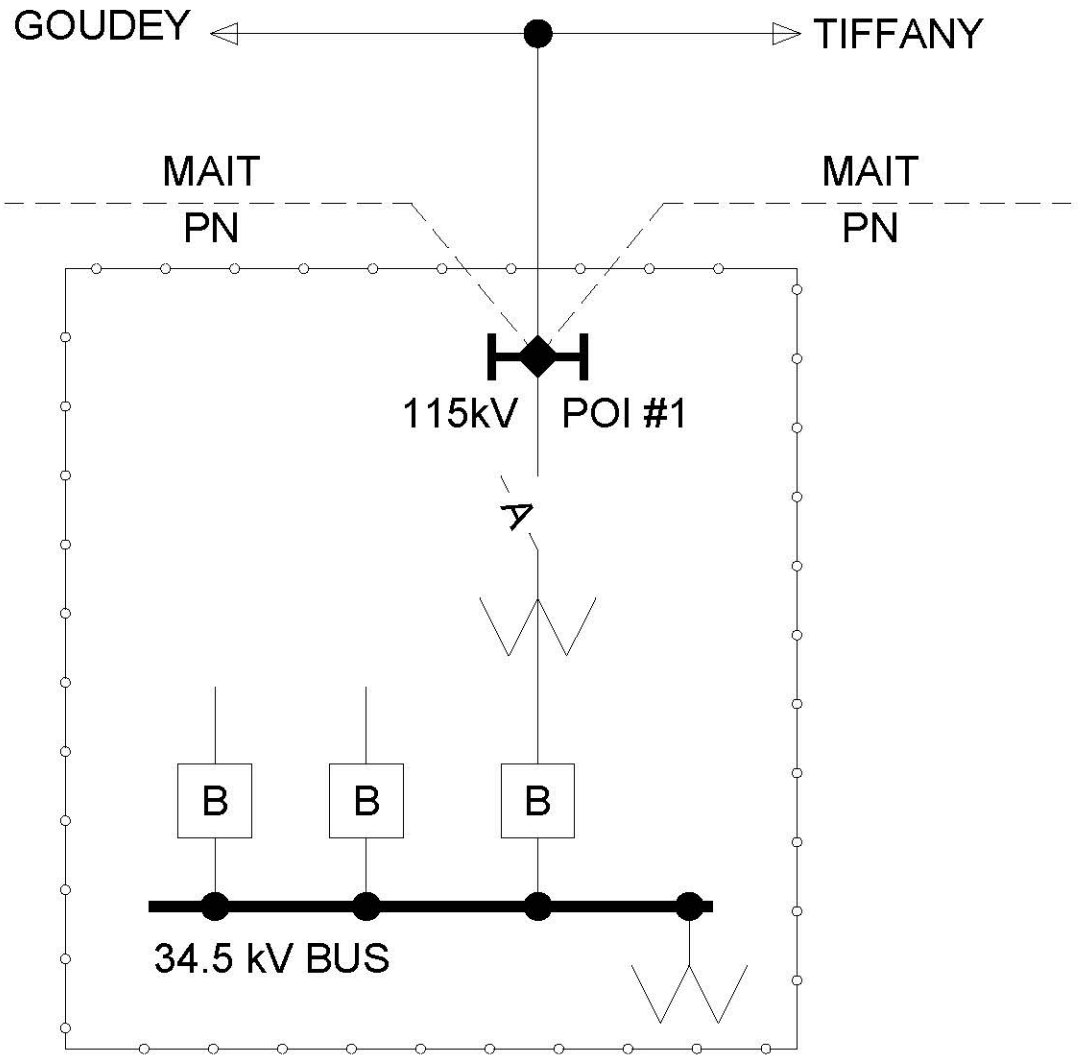
BY: AMF	DATE: 10/10/2016
APP: LAP	ISSUE: Final

TITLE
MAIT-PN INTERCONNECTIONS AT L&R SUBSTATION

AGREEMENT
MAIT-PN ISA

DOC. ID
PN-204-93-01

REV.
-



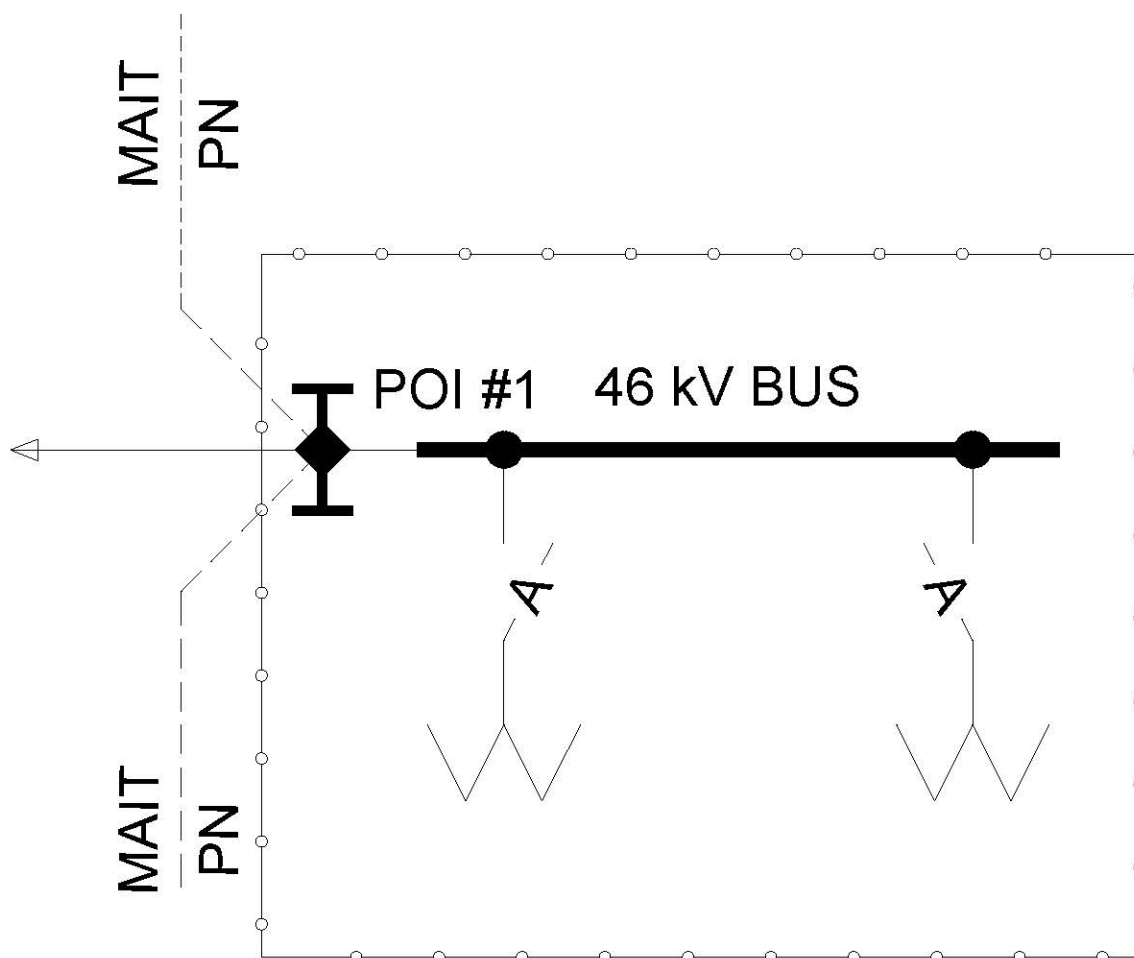
LAUREL LAKE SUBSTATION

◆ = POI #1 LOCATED AT DEAD-END.

OPERATIONAL METERING IS OWNED, OPERATED, AND MAINTAINED BY THE PARTY OWNING THE METERING AND WILL BE PROVIDED TO RTO ICCP

<div><div>FirstEnergy</div><div>Energy Delivery Technical Services</div></div>		TITLE MAIT-PN INTERCONNECTIONS FOR LAUREL LAKE SUBSTATION		
BY: AMF	DATE: 10/10/2016	AGREEMENT MAIT-PN ISA	DOC. ID PN-210-93-01	REV. -
APP: LAP	ISSUE: Final			

LAUREL PIPELINE TAP



LAUREL PIPELINE SUBSTATION

◆ = POI #1 LOCATED AT DEAD-END.

OPERATIONAL METERING WILL BE OWNED, OPERATED, AND MAINTAINED BY THE PARTY OWNING THE METERING AND WILL BE PROVIDED TO RTO ICCP.

FirstEnergy

Energy Delivery Technical Services

MAIT-PN INTERCONNECTIONS FOR LAUREL PIPELINE SUBSTATION

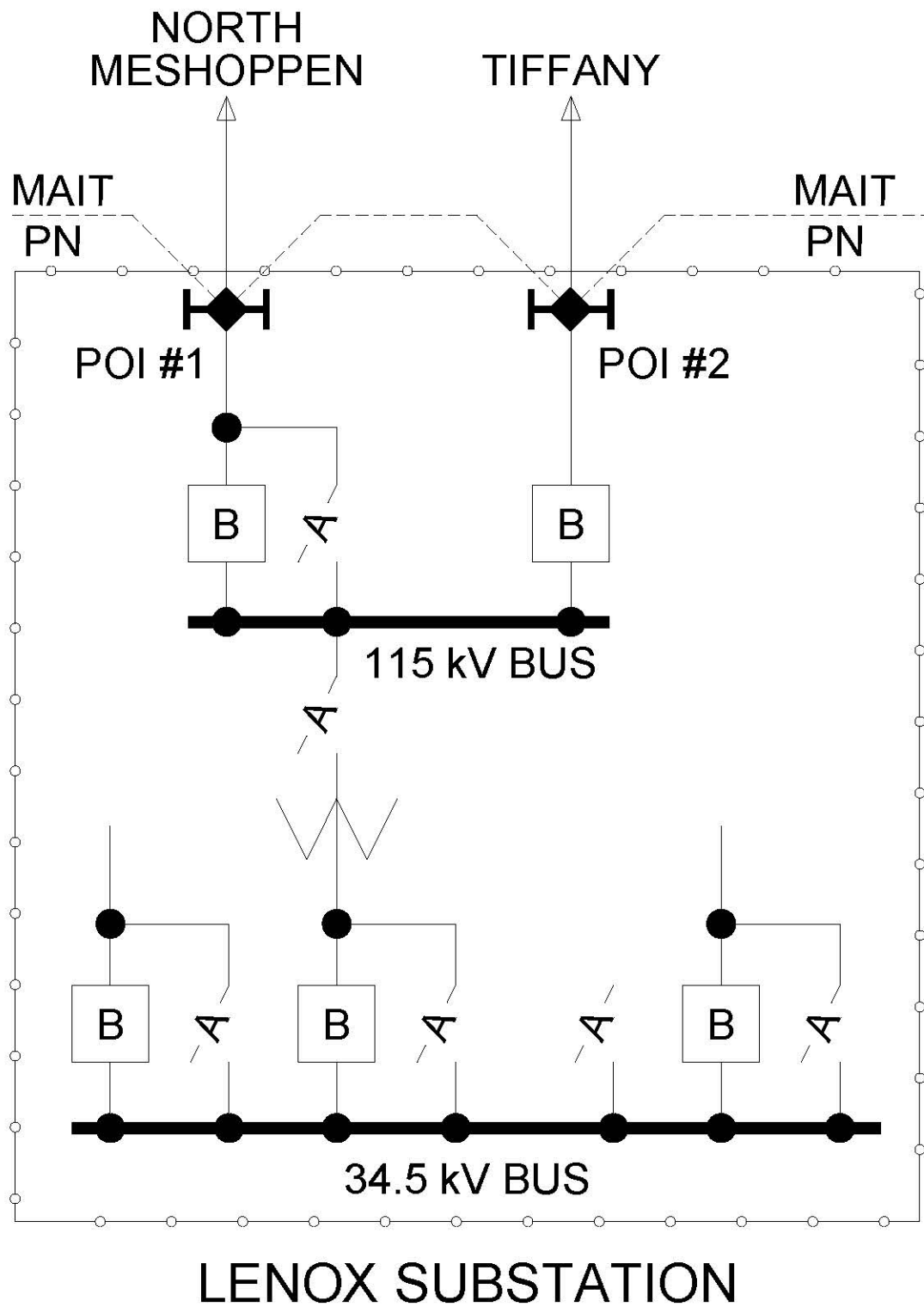
BY: AMF
APP: LAP

DATE: 10/10/2016
ISSUE: Final

AGREEMENT
MAIT-PN ISA

DOC. ID
PN-211-93-01

REV.
-



◆ = POI #1 LOCATED AT DEAD-END.

POI #2 LOCATED AT DEAD-END.

OPERATIONAL METERING WILL BE OWNED, OPERATED, AND MAINTAINED BY THE PARTY OWNING THE METERING AND WILL BE PROVIDED TO RTO ICCP.

FirstEnergy

Energy Delivery Technical Services

TITLE
MAIT-PN INTERCONNECTS FOR LENOX SUBSTATION

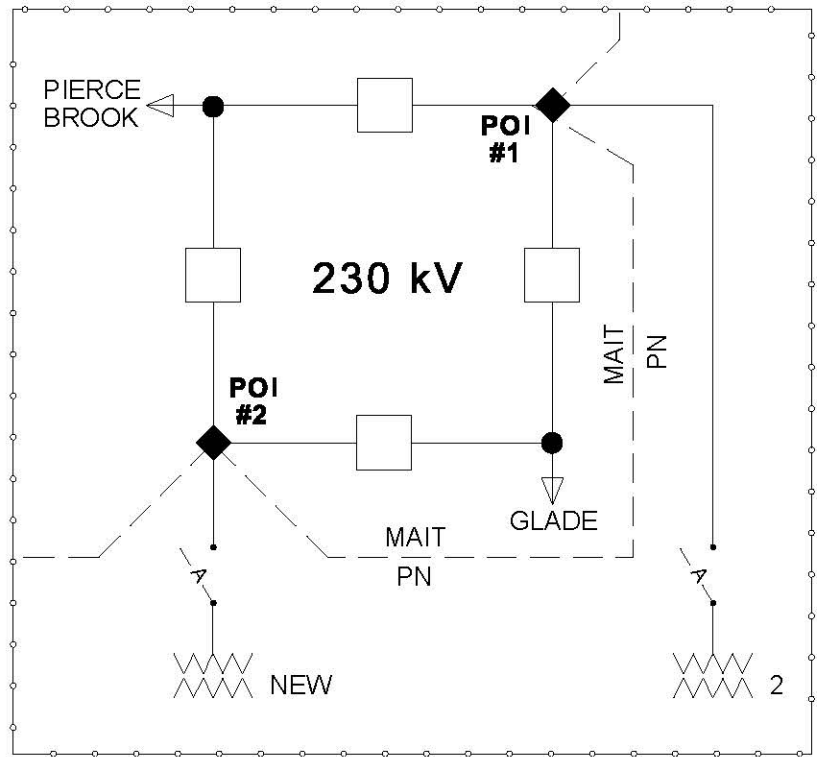
BY: AMF	DATE: 10/10/2016
APP: LAP	ISSUE: Final

AGREEMENT
MAIT-PN ISA

DOC. ID
PN-213-93-01

REV.
-

LEWIS RUN SUBSTATION



◆ = POI #1 (POINT OF INTERCONNECTION) LOCATED
AT No. 2 TRANSFORMER BUS TAP

POI #2 (POINT OF INTERCONNECTION) LOCATED
AT NEW TRANSFORMER BUS TAP

FirstEnergy

Energy Delivery Technical Services

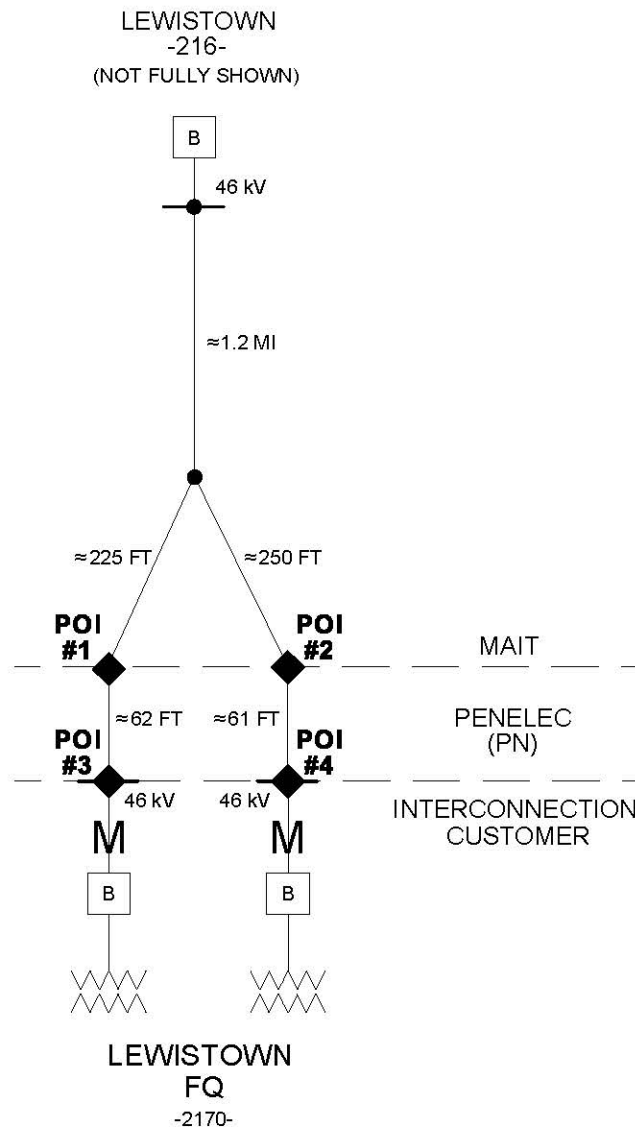
BY: AMF / J L M DATE: 02/21/2018
APP: LAP ISSUE: Final

TITLE
**MAIT-PENELEC (PN) INTERCONNECTIONS
AT LEWIS RUN SUBSTATION**

AGREEMENT
MAIT-PN ISA

DOC. ID
PN-215-93-01

REV.
2



◆ = POI #1 & POI #2, LOCATED WHERE MAIT OWNED LINES TERMINATE TO PENELEC OWNED LINES

◆ = POI #3 & POI #4, LOCATED WHERE PENELEC (PN) OWNED LINES TERMINATE AT INTERCONNECTION CUSTOMER'S SUBSTATION DEAD-END STRUCTURE

M = REVENUE METERING FOR INTERCONNECTION CUSTOMER IS OWNED, OPERATED, AND MAINTAINED BY PENELEC (PN)

OPERATIONAL METERING WILL BE OWNED, OPERATED, AND MAINTAINED BY THE PARTY OWNING THE METERING AND WILL BE PROVIDED TO RTO ICCP

FirstEnergy

Energy Delivery Technical Services

BY: J L M DATE: 06/04/2018

APP: - ISSUE: FINAL

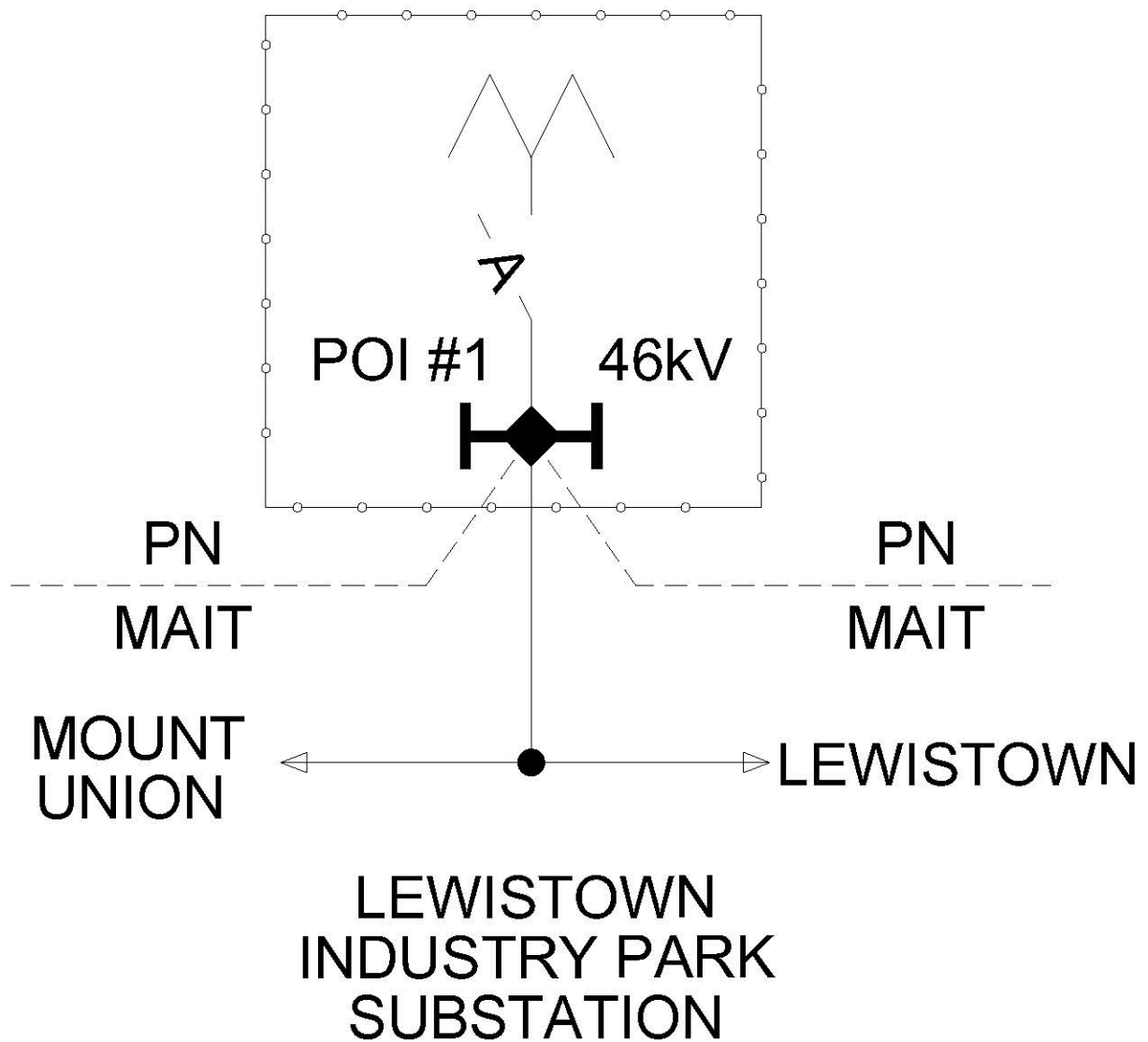
TITLE
**CUSTOMER OWNED LEWISTOWN FQ SUBSTATION INTERCONNECTION
TO THE LEWISTOWN-FIRST QUALITY No.1, 46 kV LINE**

AGREEMENT

DOC. ID REV.

POI-MAIT-PN-2170-93-01.dwg

-



◆ = POI #1 LOCATED AT DEAD-END.

OPERATIONAL METERING IS OWNED, OPERATED, AND MAINTAINED BY THE PARTY OWNING THE METERING AND WILL BE PROVIDED TO RTO ICCP

FirstEnergy

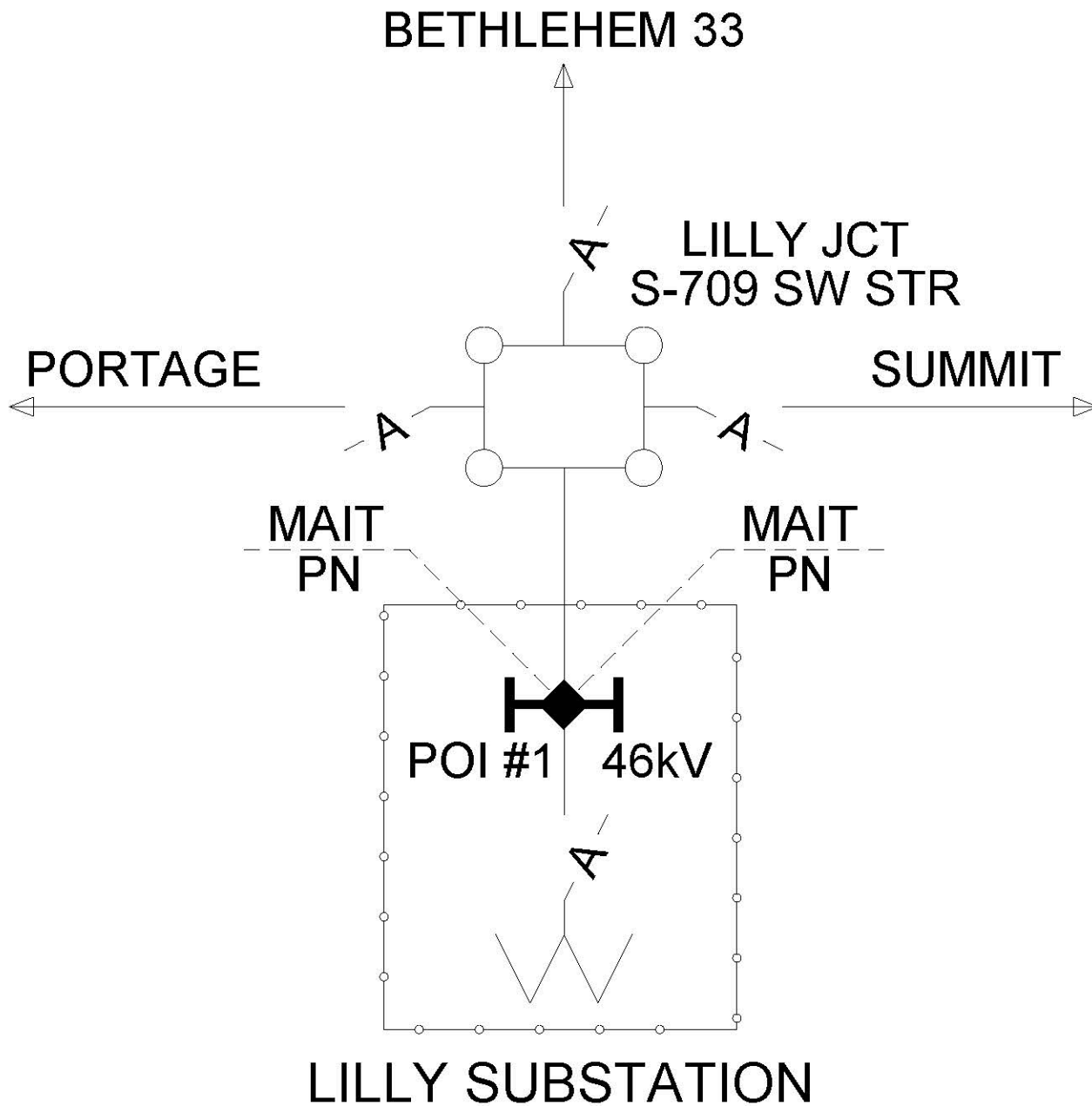
Energy Delivery Technical Services

TITLE
MAIT-PN INTERCONNECTIONS LEWISTOWN INDUSTRY PARK SUBSTATION

BY: AMF	DATE: 10/10/2016
APP: LAP	ISSUE: Final

AGREEMENT
MAIT-PN ISA

DOC. ID	REV.
PN-217-93-01	-



◆ = POI #1 LOCATED AT DEAD-END.

OPERATIONAL METERING WILL BE OWNED, OPERATED,
AND MAINTAINED BY THE PARTY OWNING THE
METERING AND WILL BE PROVIDED TO RTO ICCP.

FirstEnergy

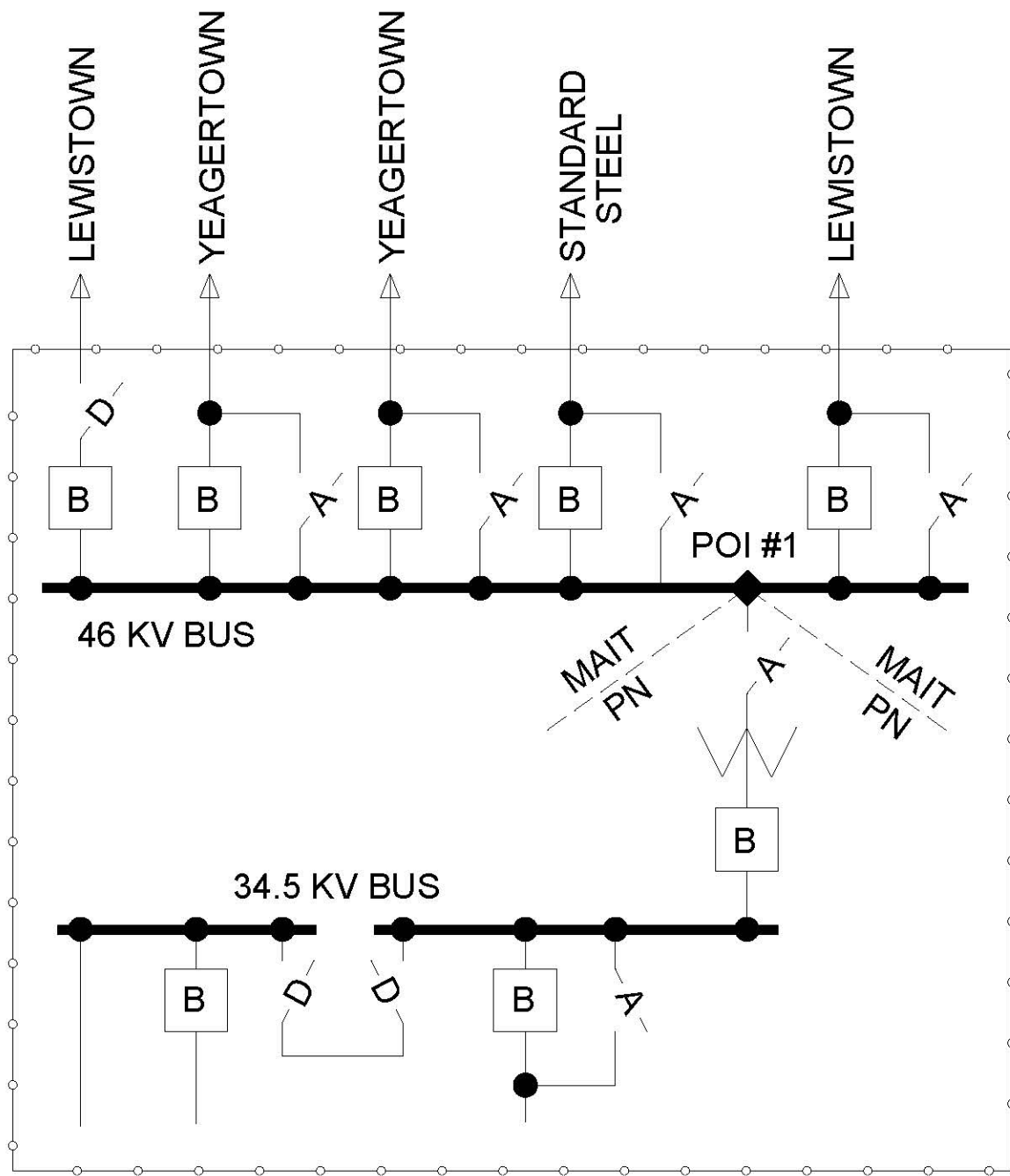
Energy Delivery Technical Services

TITLE
MAIT-PN INTERCONNECTIONS AT LILLY SUBSTATION

BY: AMF	DATE: 10/10/2016
APP: LAP	ISSUE: Final

AGREEMENT
MAIT-PN ISA

DOC. ID	REV.
PN-218-93-01	-



LOGAN SUBSTATION

◆ = POI #1 LOCATED ON BUS TAP FOR No1 XFMR

OPERATIONAL METERING IS OWNED, OPERATED, AND MAINTAINED BY THE PARTY OWNING THE METERING AND WILL BE PROVIDED TO RTO ICCP

FirstEnergy

Energy Delivery Technical Services

MAIT-PN INTERCONNECTIONS AT LOGAN SUBSTATION

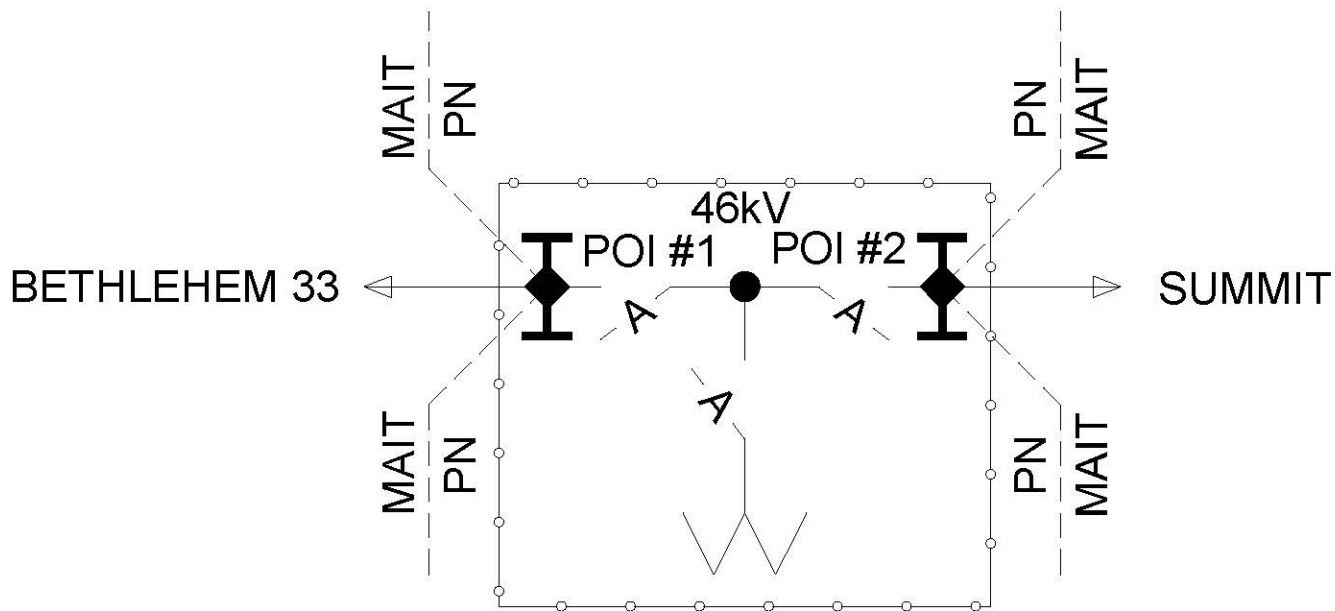
BY: AMF
APP: LAP

DATE: 10/10/2016
ISSUE: Final

AGREEMENT
MAIT-PN ISA

DOC. ID
PN-222-93-01

REV.
-



LORETTO SUBSTATION

◆ = POI #1 LOCATED AT DEAD-END.

POI #2 LOCATED AT DEAD-END.

OPERATIONAL METERING IS OWNED, OPERATED, AND MAINTAINED BY THE PARTY OWNING THE METERING AND WILL BE PROVIDED TO RTO ICCP

FirstEnergy

Energy Delivery Technical Services

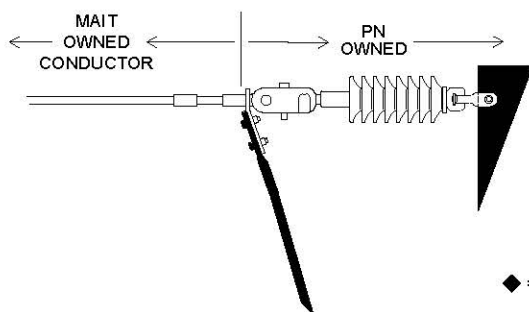
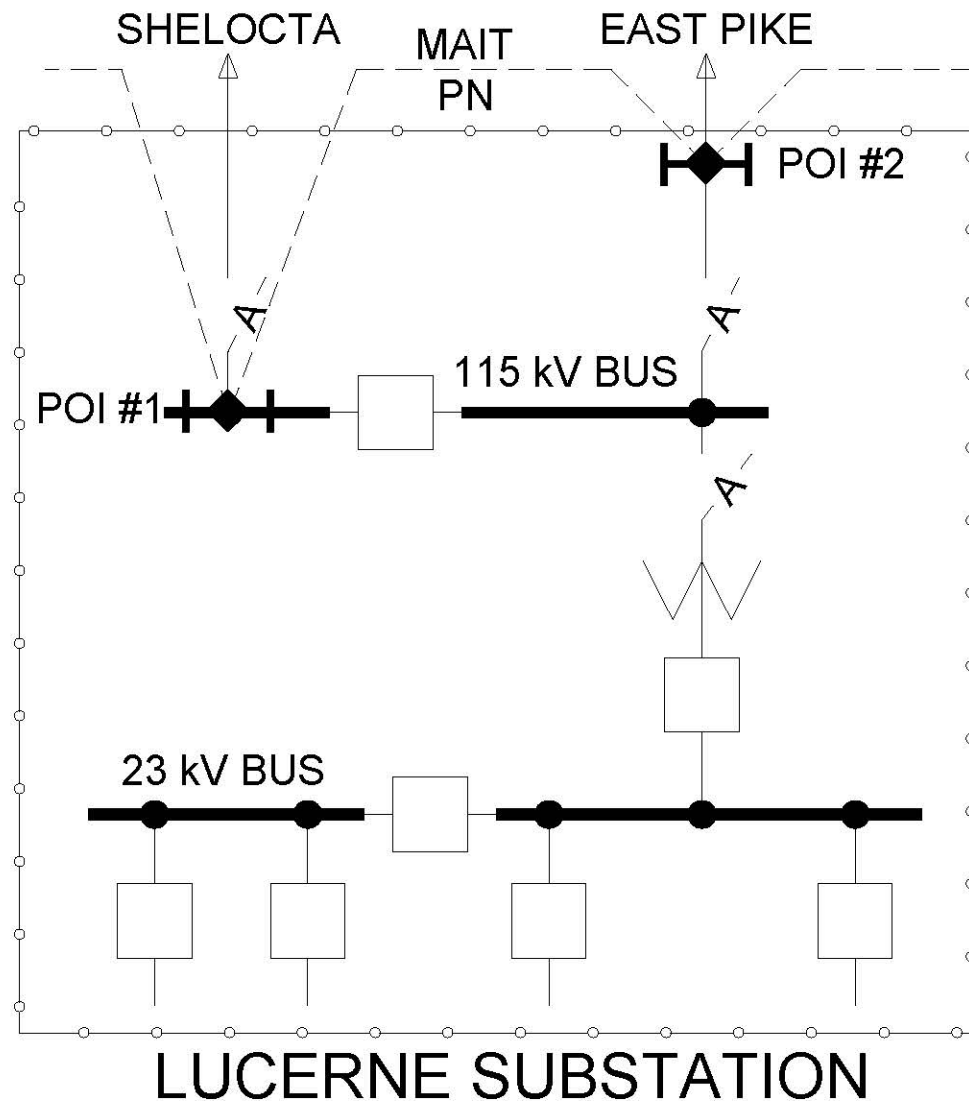
BY: AMF	DATE: 10/10/2016
APP: LAP	ISSUE: Final

MAIT-PN INTERCONNECTIONS AT LORETTO SUBSTATION

AGREEMENT
MAIT-PN ISA

DOC. ID
PN-224-93-01

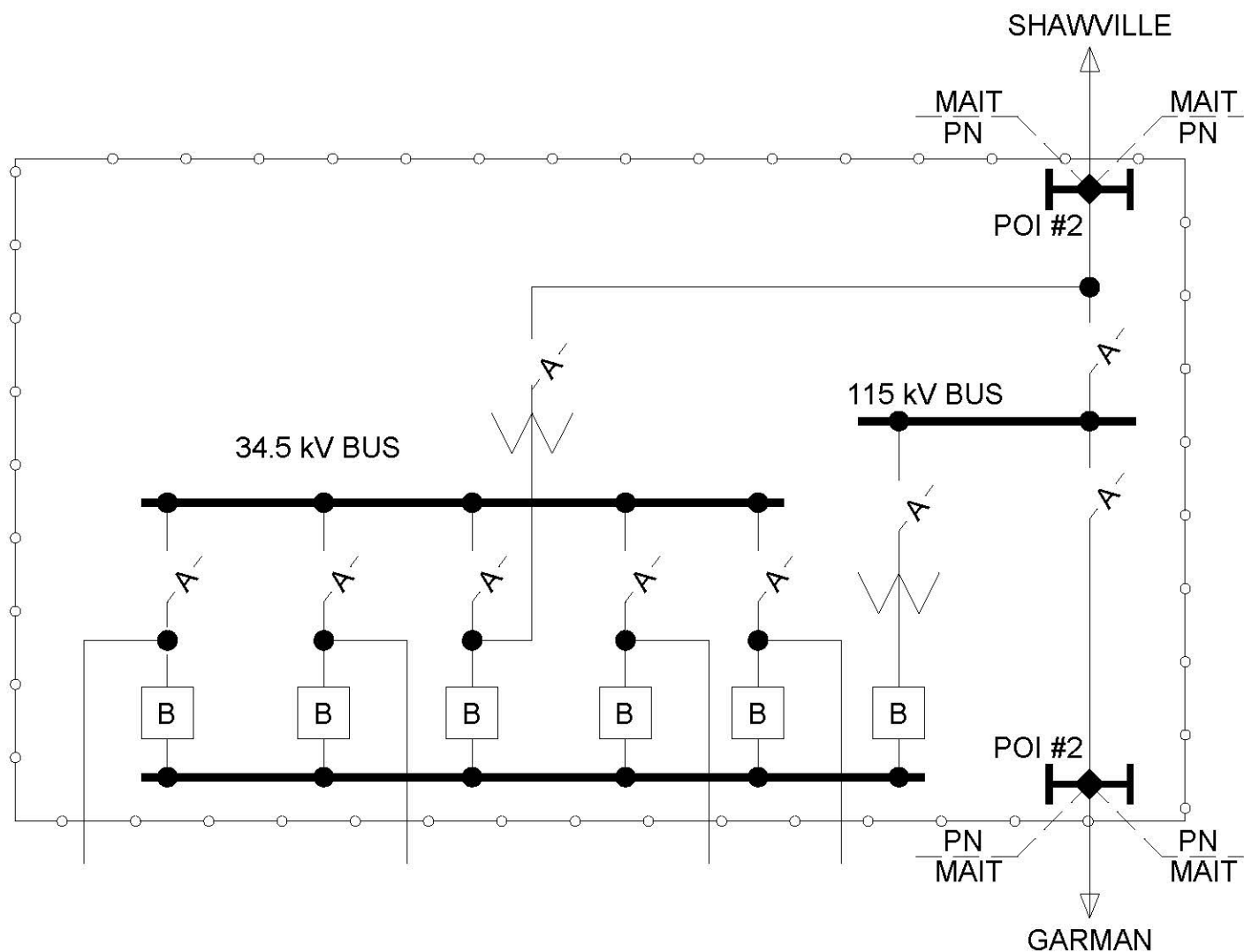
REV.
-



DETAIL POI #1 & #2

POI #2 LOCATED AT SUBSTATION 115 kV DEAD-END STRUCTURE

FirstEnergy Energy Delivery Technical Services		TITLE MAIT-PN INTERCONNECTIONS FOR LUCERNE SUBSTATION	
BY: RJR	DATE: 1-3-2022	AGREEMENT	DOC. ID
APP: LAP	ISSUE: Final	MAIT-PN ISA	PN-226-93-01
			REV. 2



MADERA SUBSTATION

◆ = POI #1 LOCATED AT DEAD-END.

POI #2 LOCATED AT DEAD-END.

OPERATIONAL METERING WILL BE OWNED, OPERATED, AND MAINTAINED BY THE PARTY OWNING THE METERING AND WILL BE PROVIDED TO RTO ICCP.

FirstEnergy

Energy Delivery Technical Services

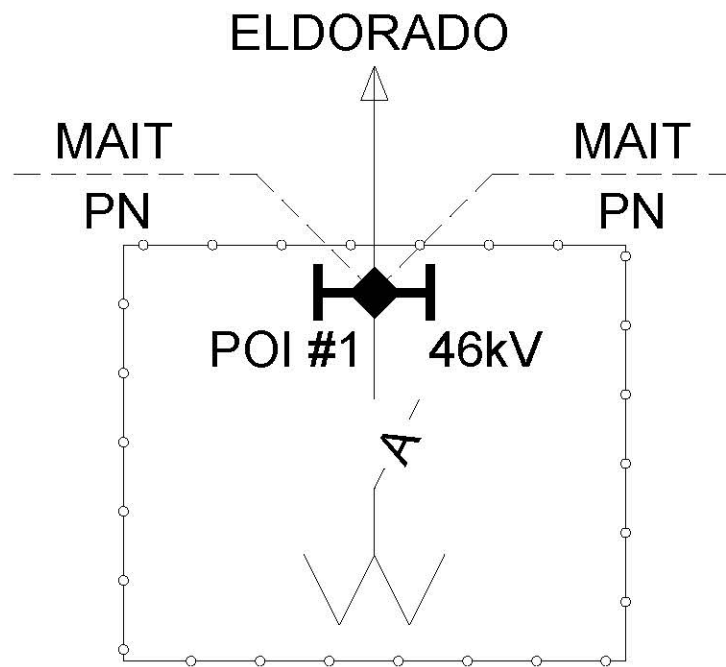
BY: AMF DATE: 10/10/2016
APP: LAP ISSUE: Final

MAIT-PN INTERCONCTIONS FOR MADERA SUBSTATION

AGREEMENT
MAIT-PN ISA

DOC. ID
PN-228-93-01

REV.
-



MEADOWS SUBSTATION

◆ = POI #1 LOCATED AT DEAD-END.

OPERATIONAL METERING IS OWNED, OPERATED, AND MAINTAINED BY THE PARTY OWNING THE METERING AND WILL BE PROVIDED TO RTO ICCP

FirstEnergy

Energy Delivery Technical Services

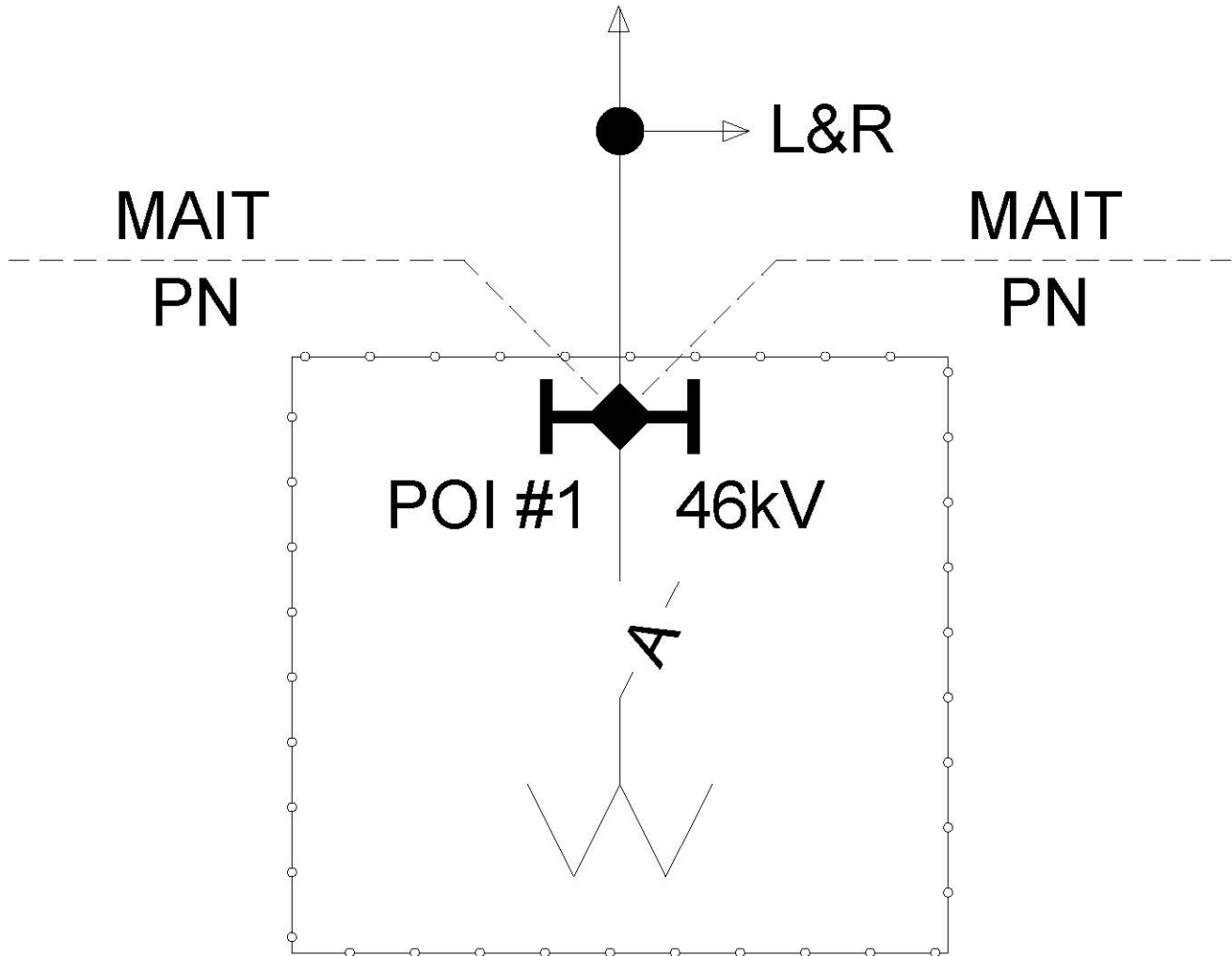
MAIT-PN INTERCONNECTIONS AT MEADOWS SUBSTATION

BY: AMF	DATE: 10/10/16
APP: LAP	ISSUE: FINAL

AGREEMENT
MAIT-PN ISA

DOC. ID	REV.
PN-452-93-01	-

MONTGOMERY
AVE



MAITLAND SUBSTATION

◆ = POI #1: LOCATED AT DEAD-END.

OPERATIONAL METERING IS OWNED, OPERATED, AND
MAINTAINED BY THE PARTY OWNING THE METERING
AND WILL BE PROVIDED TO RTO ICCP

FirstEnergy

Energy Delivery Technical Services

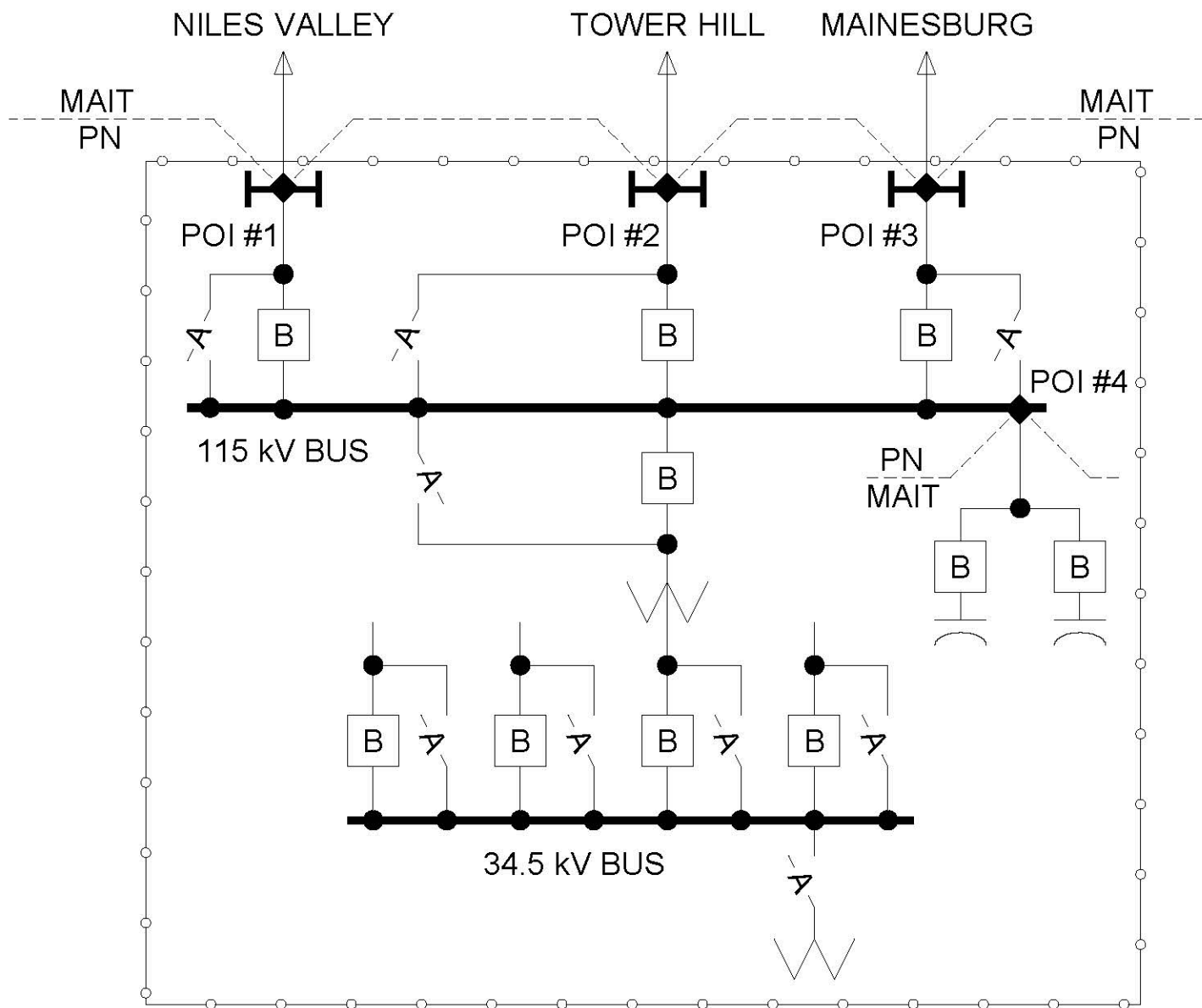
BY: AMF DATE: 10/10/2016
APP: LAP ISSUE: Final

TITLE
MAIT-PN INTERCONNECTIONS AT MAITLAND SUBSTATION

AGREEMENT
MAIT-PN ISA

DOC. ID
PN-231-93-01

REV.
-



MANSFIELD SUBSTATION

◆ = POI #1 LOCATED AT DEAD-END.

POI #2. LOCATED AT DEAD-END.

POI #3 LOCATED AT DEAD-END.

POI #4 LOCATED AT BUS TAP FOR CAPBANKS.

OPERATIONAL METERING WILL BE OWNED, OPERATED, AND MAINTAINED BY THE PARTY OWNING THE METERING AND WILL BE PROVIDED TO RTO ICCP.

FirstEnergy

Energy Delivery Technical Services

MAIT-PN INTERCONNECTIONS FOR MANSFIELD SUBSTATION

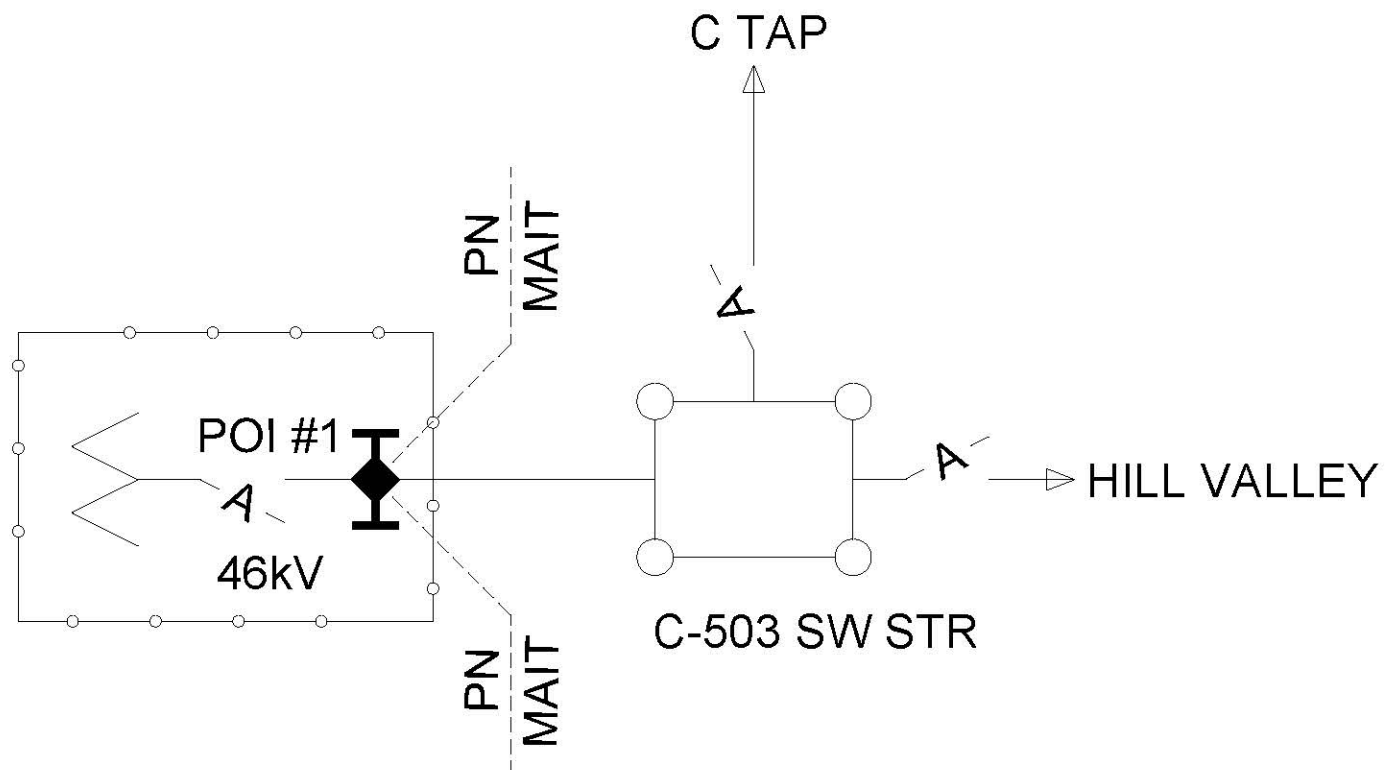
BY: AMF
APP: LAP

DATE: 10/10/2016
ISSUE: Final

AGREEMENT
MAIT-PN ISA

DOC. ID
PN-232-93-01

REV.
-



MAPLETON SUBSTATION

◆ = POI #1 LOCATED AT DEAD-END.

OPERATIONAL METERING WILL BE OWNED, OPERATED, AND MAINTAINED BY THE PARTY OWNING THE METERING AND WILL BE PROVIDED TO RTO ICCP.

FirstEnergy

Energy Delivery Technical Services

MAIT-PN INTERCONNECTIONS FOR MAPLETON SUBSTATION

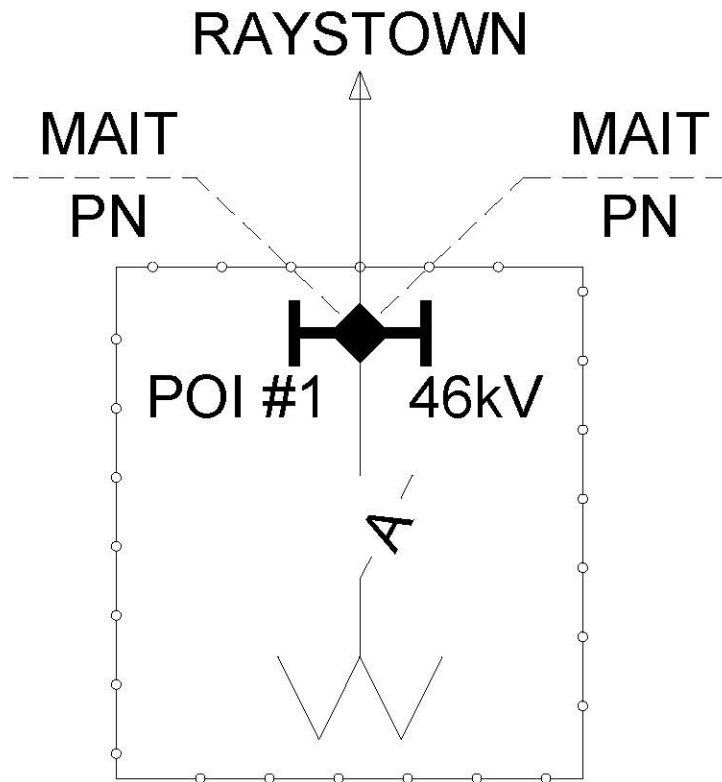
BY: AMF
APP: LAP

DATE: 10/10/2016
ISSUE: Final

AGREEMENT
MAIT-PN ISA

DOC. ID
PN-234-93-01

REV.
-



McCONNELLSTOWN SUBSTATION

◆ = POI #1 LOCATED AT DEAD-END.

OPERATIONAL METERING IS OWNED, OPERATED, AND MAINTAINED BY THE PARTY OWNING THE METERING AND WILL BE PROVIDED TO RTO ICCP

FirstEnergy

Energy Delivery Technical Services

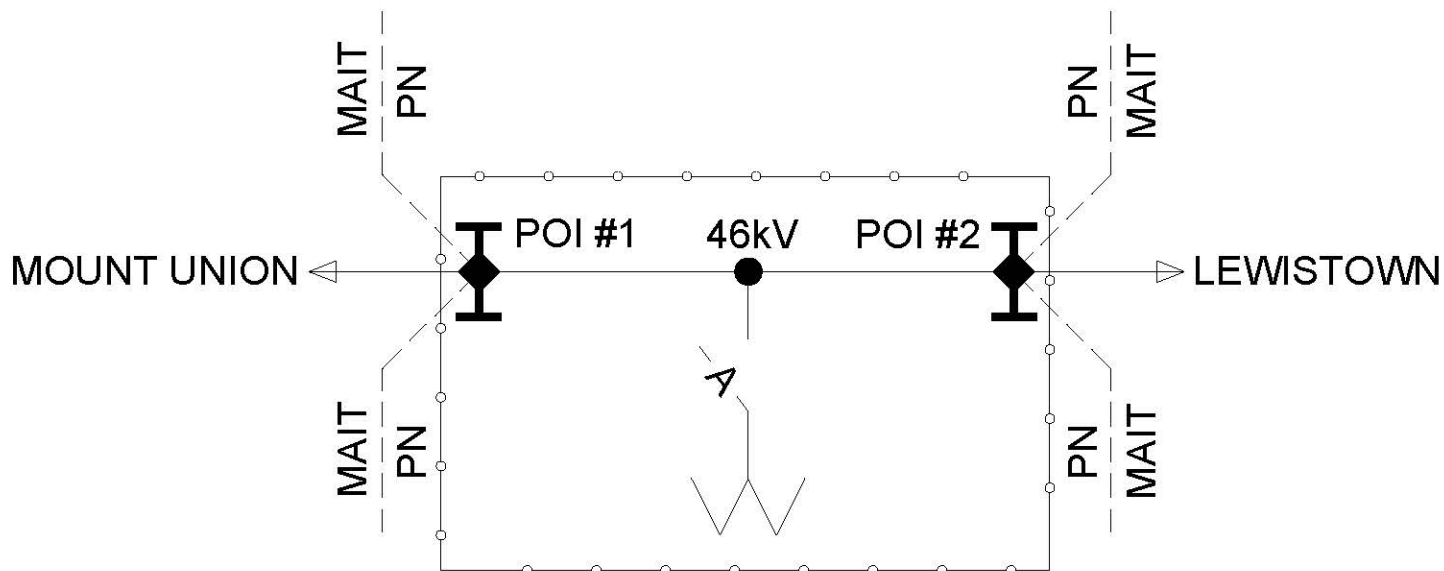
MAIT-PN INTERCONNECTIONS AT McCONNELLSTOWN SUBSTATION

BY: AMF	DATE: 10/10/2016
APP: LAP	ISSUE: Final

AGREEMENT
MAIT-PN ISA

DOC. ID
PN-237-93-01

REV.
-



McVEYTOWN SUBSTATION

◆ = POI #1 LOCATED AT DEAD-END.

POI #2 LOCATED AT DEAD-END.

OPERATIONAL METERING IS OWNED, OPERATED, AND MAINTAINED BY THE PARTY OWNING THE METERING AND WILL BE PROVIDED TO RTO ICCP

FirstEnergy

Energy Delivery Technical Services

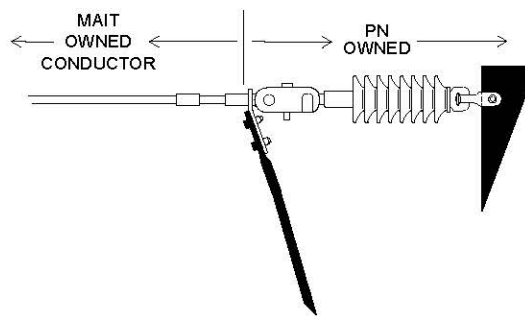
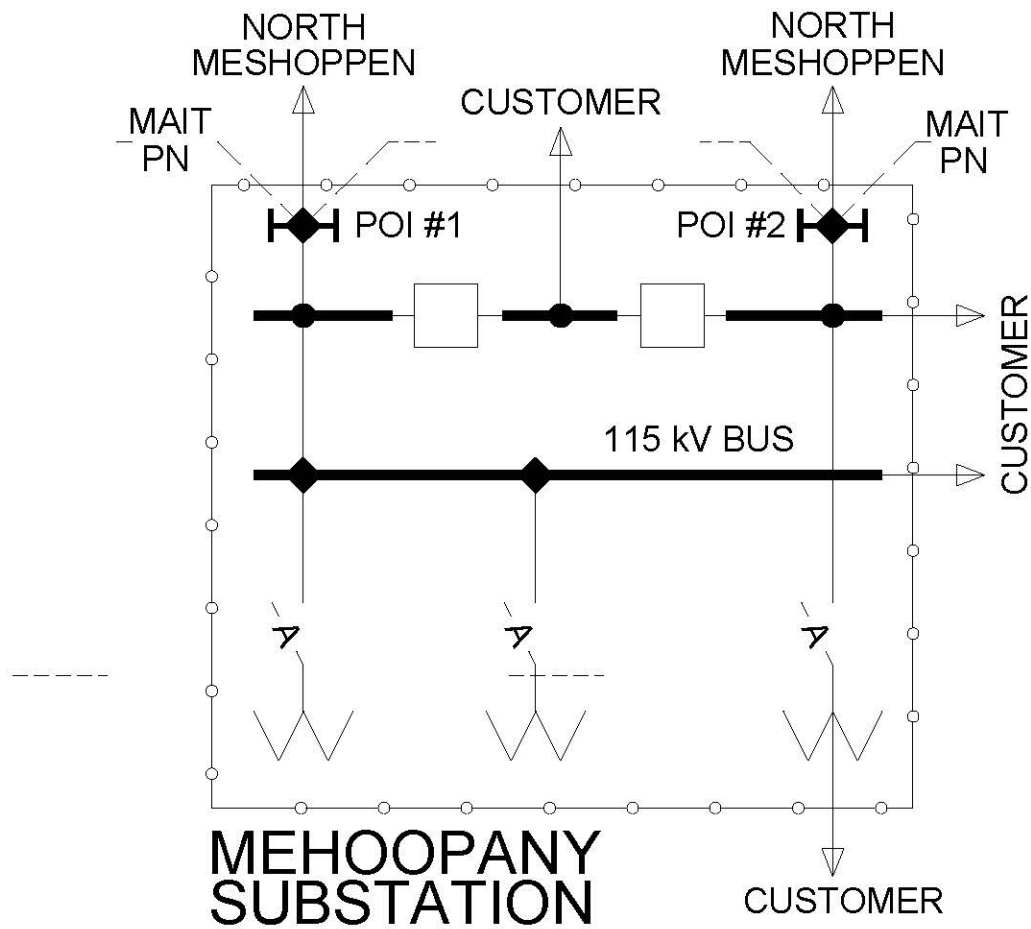
MAIT-PN INTERCONNECTIONS AT McVEYTOWN SUBSTATION

BY: AMF	DATE: 10/10/2016
APP: LAP	ISSUE: Final

AGREEMENT
MAIT-PN ISA

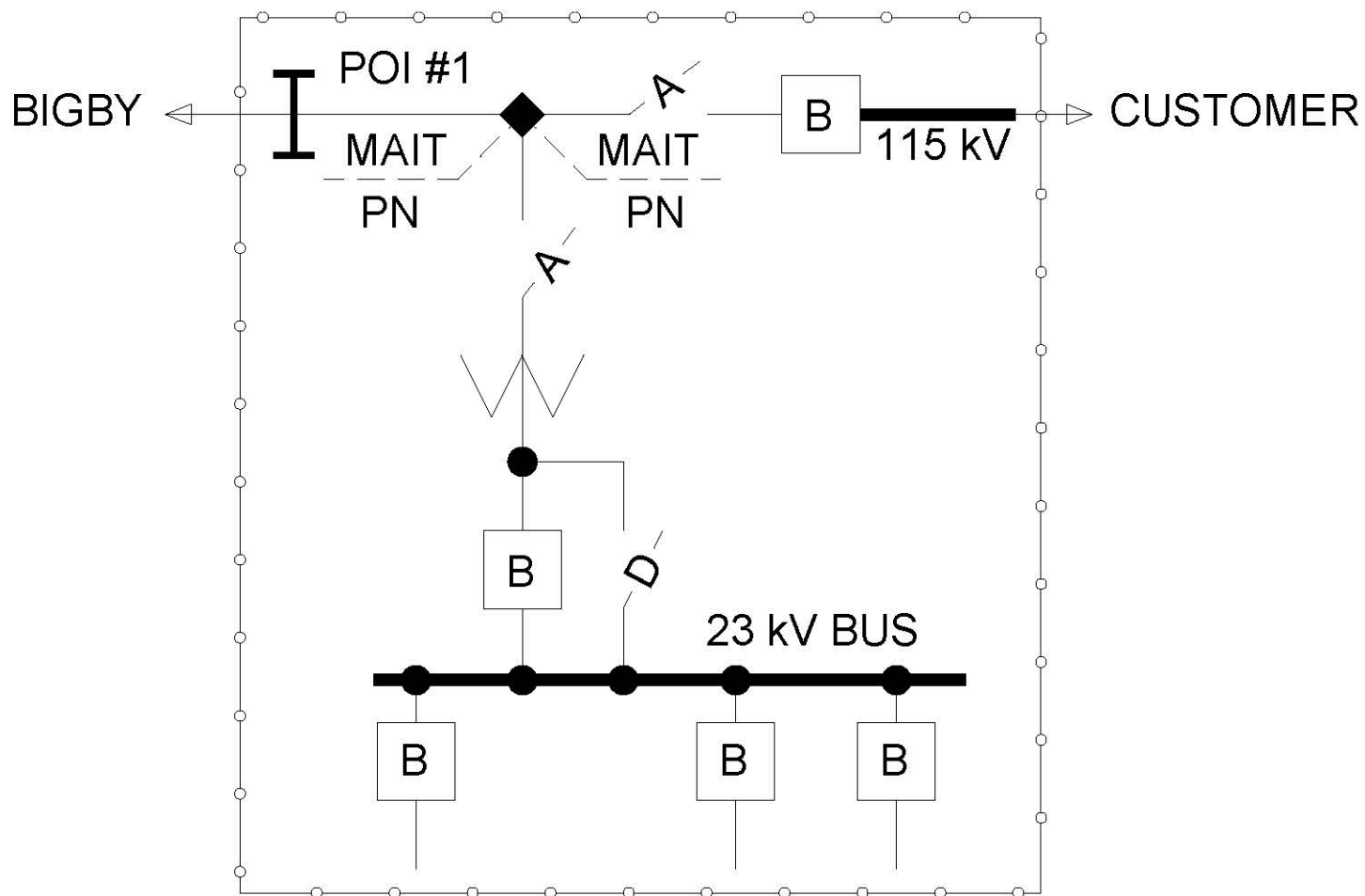
DOC. ID
PN-239-93-01

REV.
-



DETAIL POI #1 & POI #2

◆ = POI #1 LOCATED AT SUBSTATION 115 kV DEAD-END STRUCTURE
 POI #2 LOCATED AT SUBSTATION 115 kV DEAD-END STRUCTURE



MEYERSDALE NORTH SUBSTATION

◆ = POI #1 LOCATED AT BUS TAP FOR No1 TR.

OPERATIONAL METERING WILL BE OWNED, OPERATED, AND MAINTAINED BY THE PARTY OWNING THE METERING AND WILL BE PROVIDED TO RTO ICCP.

FirstEnergy

Energy Delivery Technical Services

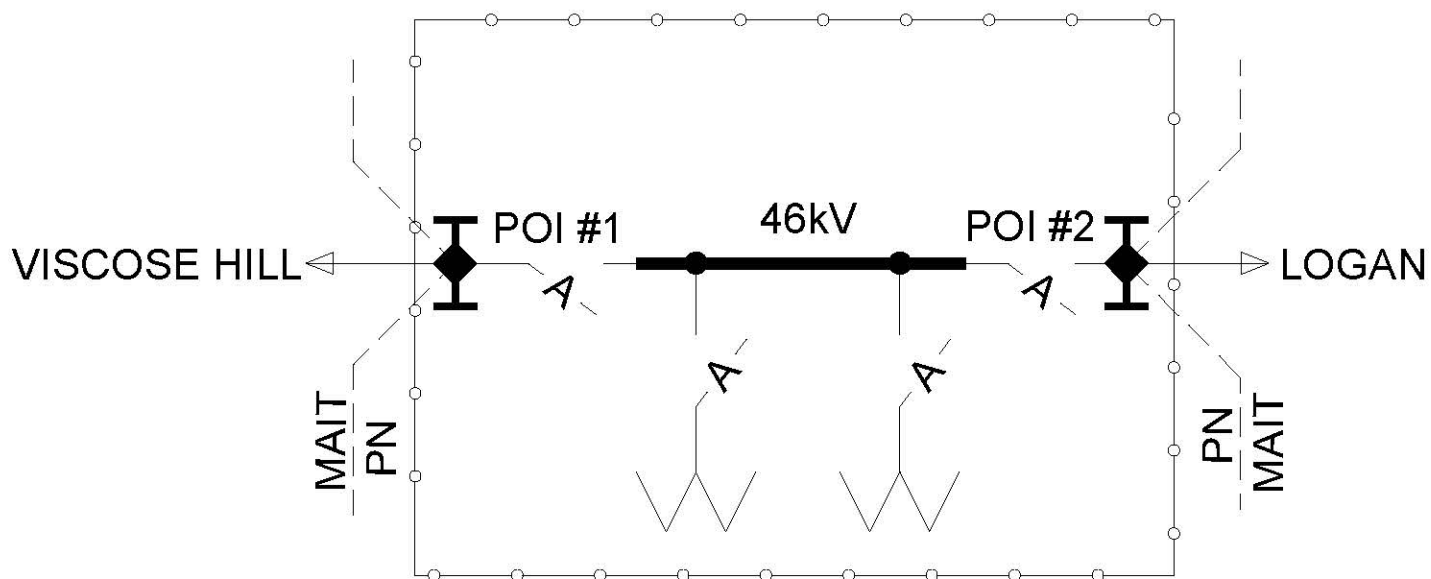
MAIT-PN INTERCONNECTIONS FOR MYERSDALE NORTH SUBSTATION

BY: AMF	DATE: 10/10/2016
APP: LAP	ISSUE: Final

AGREEMENT
MAIT-PN ISA

DOC. ID
PN-246-93-01

REV.
-



MONTGOMERY AVENUE SUBSTATION

◆ = POI #1 LOCATED AT DEAD-END.

POI #2 LOCATED AT DEAD-END.

OPERATIONAL METERING WILL BE OWNED, OPERATED, AND MAINTAINED BY THE PARTY OWNING THE METERING AND WILL BE PROVIDED TO RTO ICCP.

FirstEnergy

Energy Delivery Technical Services

MAIT-PN INTERCONNECTIONS FOR MONTGOMERY AVENUE SUBSTATION

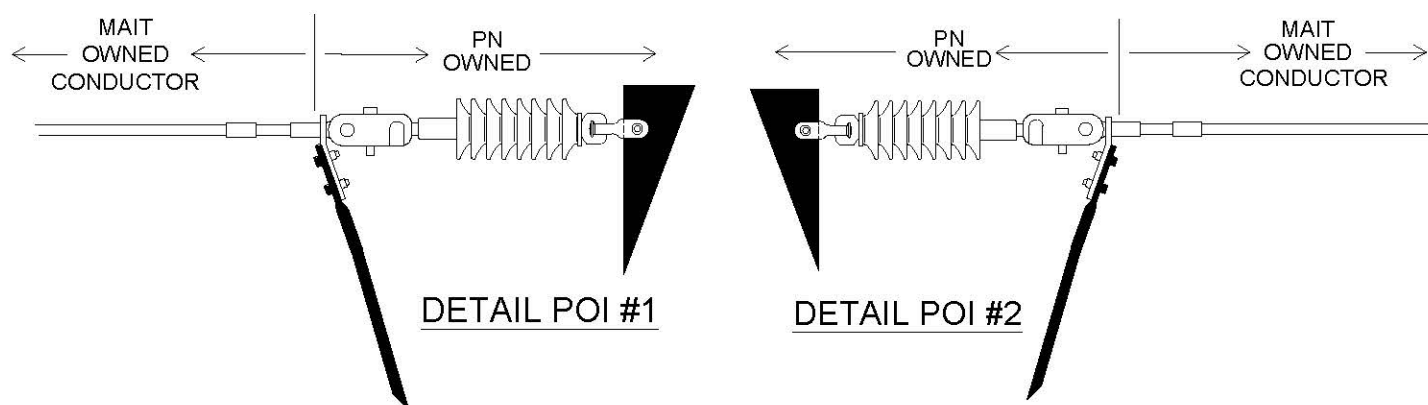
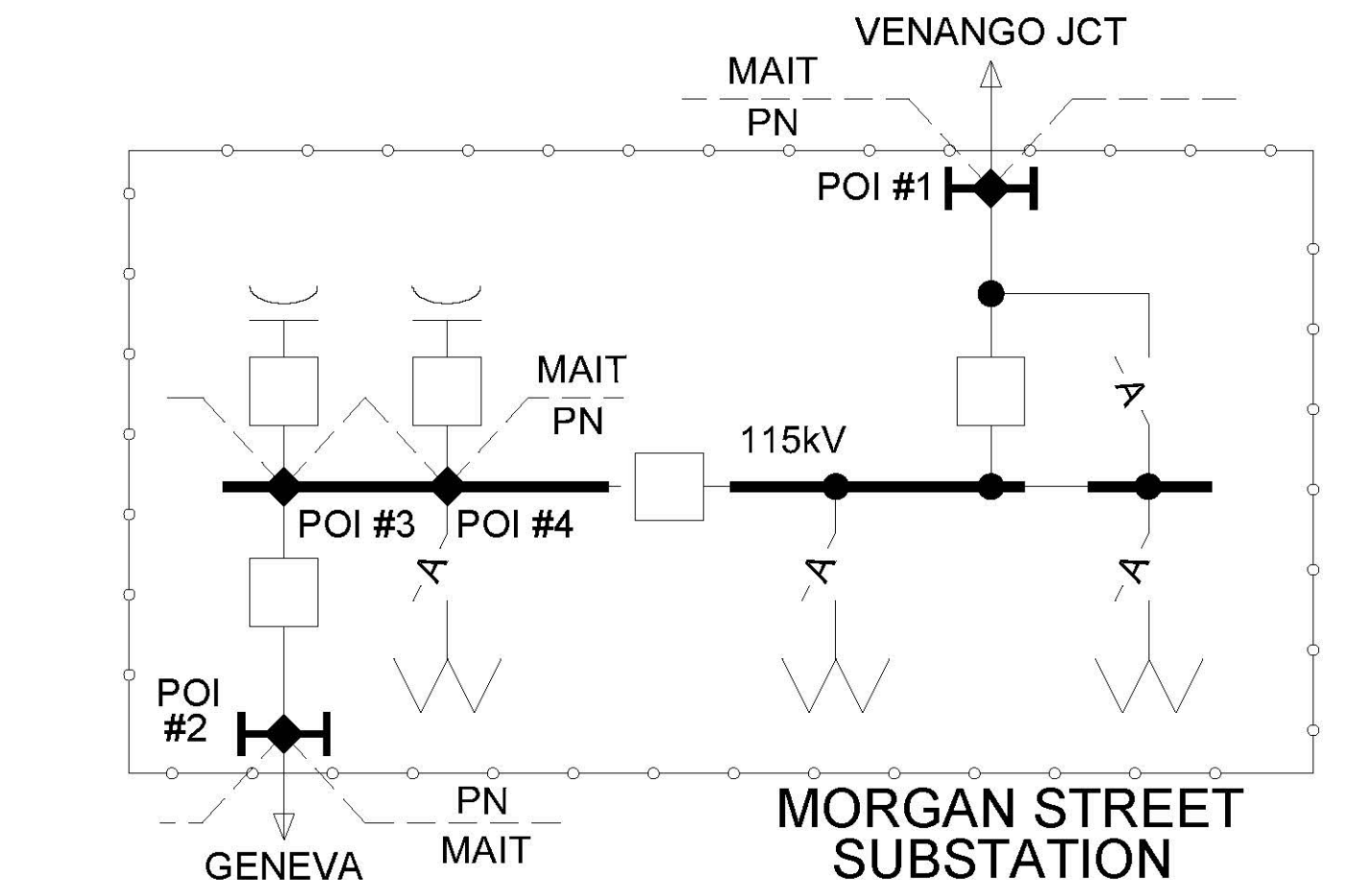
BY: AMF
APP: LAP

DATE: 10/10/2016
ISSUE: Final

AGREEMENT
MAIT-PN ISA

DOC. ID
PN-255-93-01

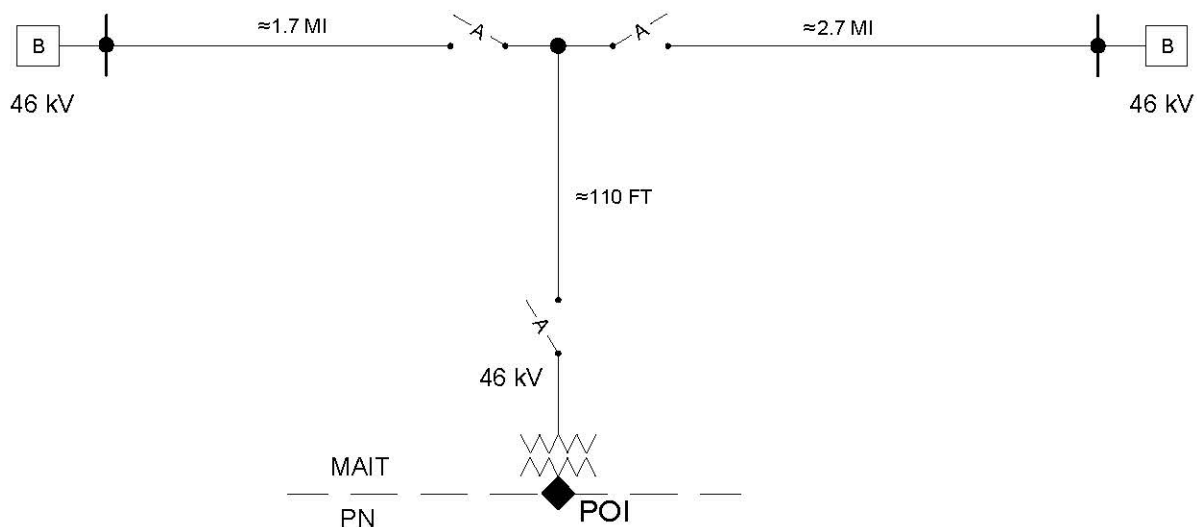
REV.
-



- ◆ = POI #1 LOCATED AT SUBSTATION 115kV DEAD-END STRUCTURE
- POI #2 LOCATED AT SUBSTATION 115kV DEAD-END STRUCTURE
- POI #3 LOCATED AT SUBSTATION 115kV BUS TAP FOR CAP. BANK
- POI #4 LOCATED AT SUBSTATION 115kV BUS TAP FOR CAP. BANK

NICKTOWN
(NOT FULLY SHOWN)
-268-

SPANGLER
(NOT FULLY SHOWN)
-363-



◆ = POI LOCATED ON THE SECONDARY SIDE BUSHINGS
OF THE MAIT OWNED TRANSFORMER

OPERATIONAL METERING WILL BE OWNED,
OPERATED, AND MAINTAINED BY THE PARTY OWNING
THE METERING AND WILL BE PROVIDED TO RTO ICCP

FirstEnergy
Energy Delivery Technical Services

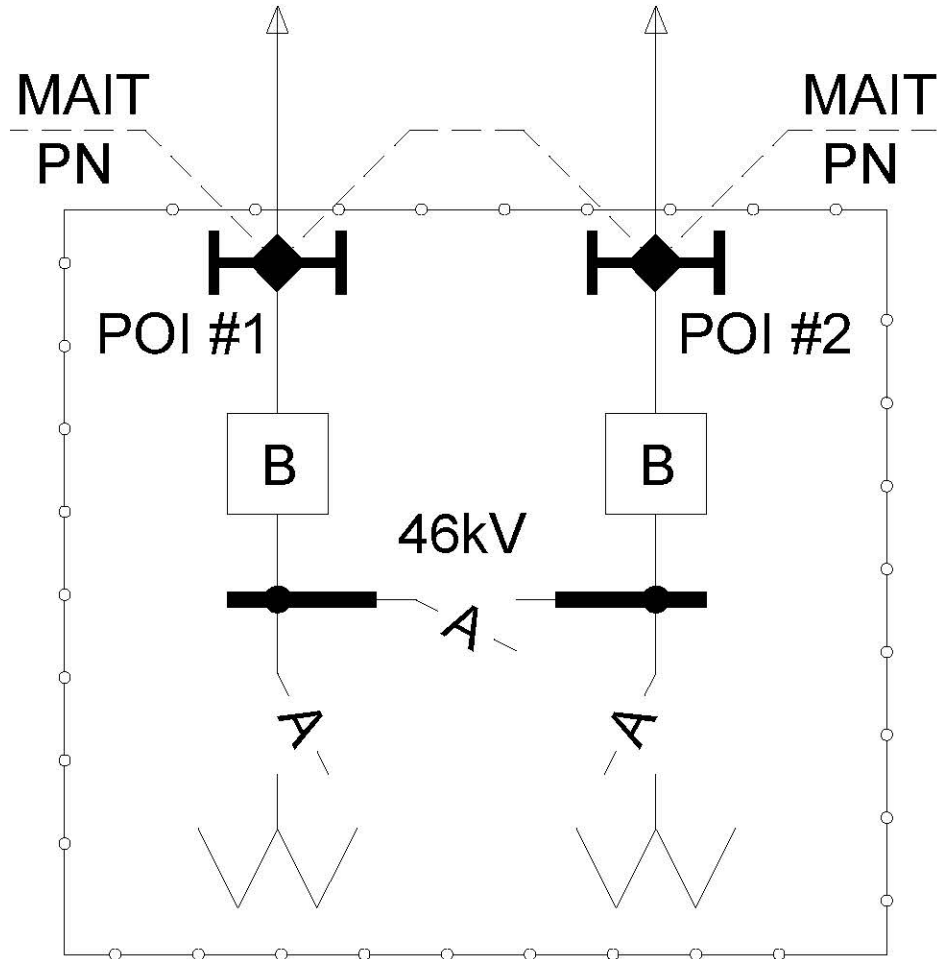
MAIT OWNED MOSS CREEK SUBSTATION INTERCONNECTIONS
TO PENELEC (PN)

BY: J L M DATE: 06/04/2018
APP: - ISSUE: FINAL

AGREEMENT

DOC. ID: POI-MAIT-PN-261-93-01.dwg
REV. -

HILL VALLEY LEWISTOWN



MOUNT UNION SUBSTATION

◆ = POI #1 LOCATED AT DEAD-END.

POI #2 LOCATED AT DEAD-END.

OPERATIONAL METERING WILL BE OWNED, OPERATED,
AND MAINTAINED BY THE PARTY OWNING THE
METERING AND WILL BE PROVIDED TO RTO ICCP.

FirstEnergy

Energy Delivery Technical Services

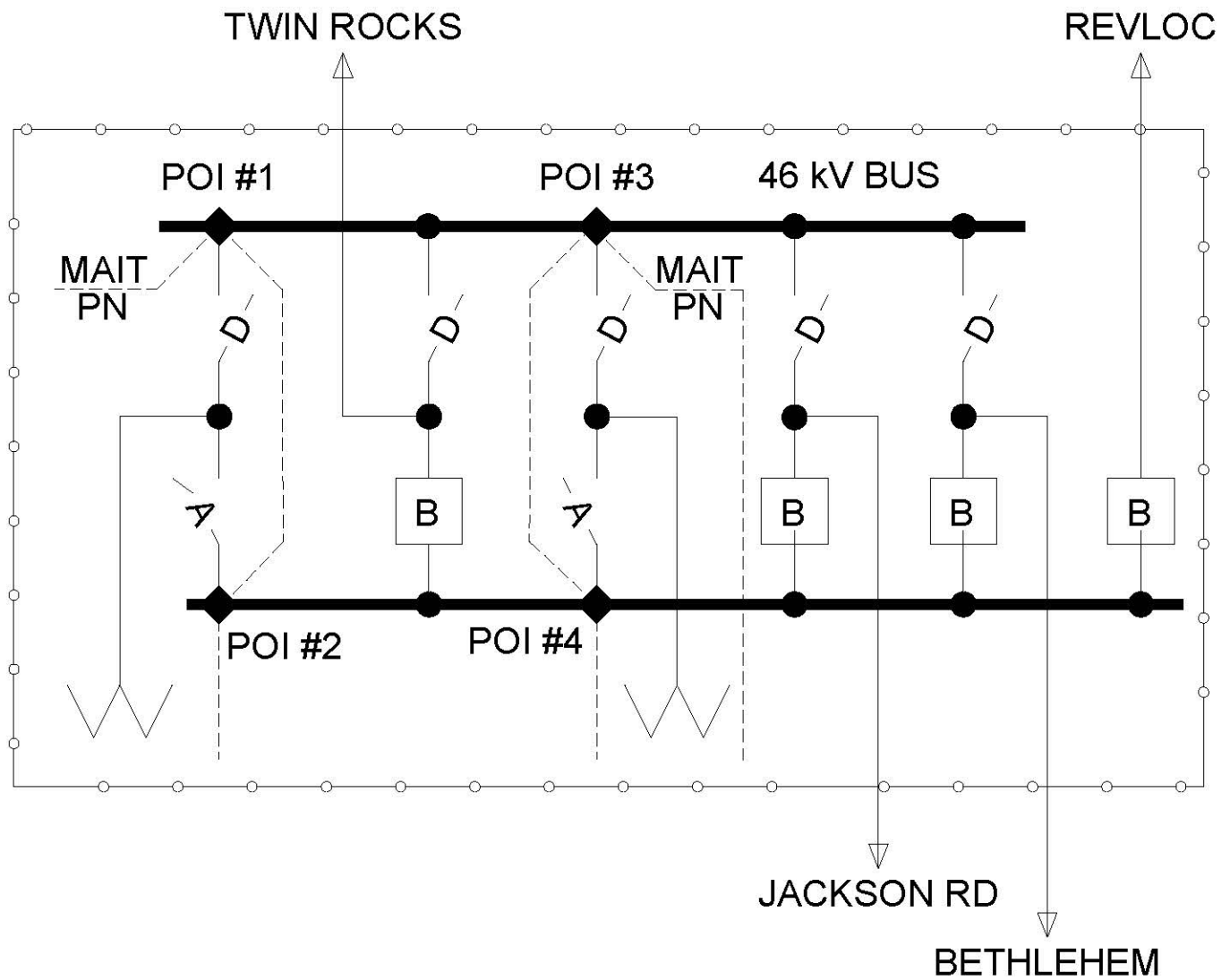
MAIT-PN INTERCONNECTIONS FOR MOUNT UNION SUBSTATION

BY: AMF DATE: 10/10/2016
APP: LAP ISSUE: Final

AGREEMENT
MAIT-PN ISA

DOC. ID
PN-262-93-01

REV.
-



NANTY GLO SUBSTATION

◆ = POI #1 LOCATED AT TRANSFER BUS TAP FOR NO1 TR CIRCUIT.

POI #2 LOCATED AT MAIN BUS TAP FOR NO1 TR CIRCUIT.

POI #3 LOCATED AT TRANSFER BUS TAP FOR NO2 TR CIRCUIT.

POI #4 LOCATED AT MAIN BUS TAP FOR NO2 TR CIRCUIT.

OPERATIONAL METERING WILL BE OWNED, OPERATED, AND MAINTAINED BY THE PARTY OWNING THE METERING AND WILL BE PROVIDED TO RTO ICCP.

FirstEnergy

Energy Delivery Technical Services

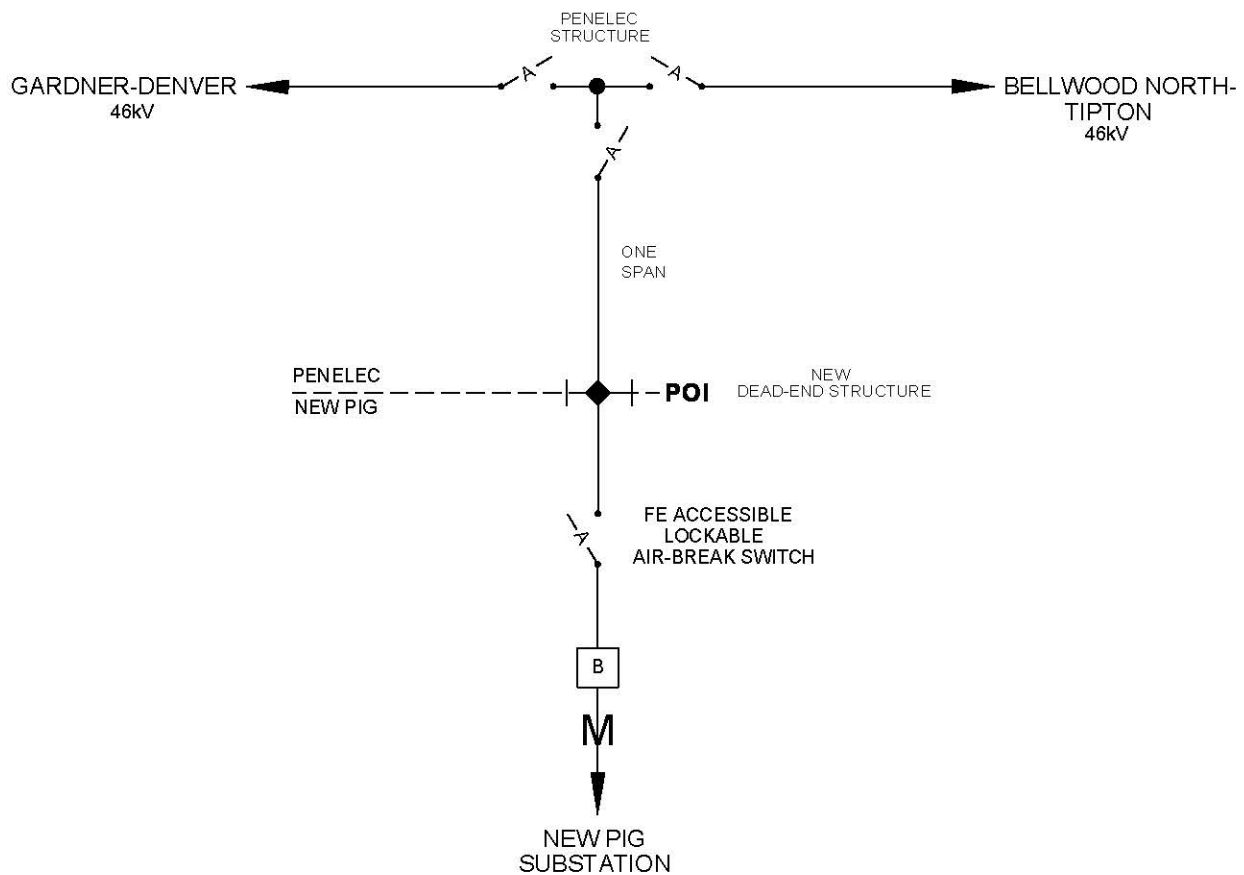
MAIT-PN INTERCONNECTIONS FOR NANTY GLO SUBSTATION

BY: AMF	DATE: 10/10/16
APP: LAP	ISSUE: Preliminary

AGREEMENT
MAIT-PN ISA

DOC. ID
PN-264-93-01

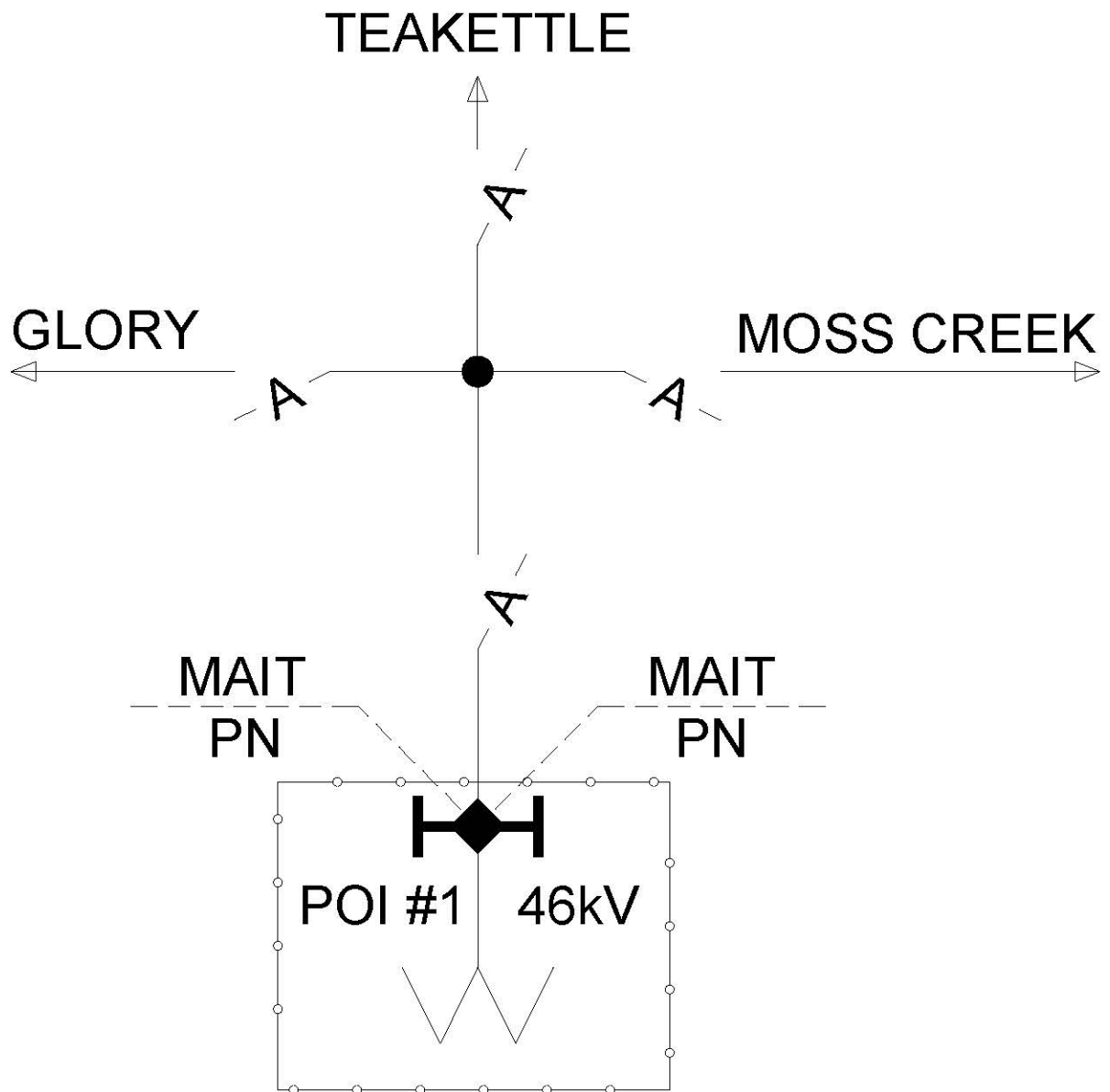
REV.
-



 = **POI** (POINT OF INTERCONNECTION) LOCATED AT NEW PIG OWNED DEAD-END STRUCTURE, WHERE PENELEC (PN) OWNED TRANSMISSION LINE TERMINATES.

M = REVENUE METERING FOR INTERCONNECTION CUSTOMER IS OWNED, OPERATED, AND MAINTAINED BY PENELEC

FirstEnergy Energy Delivery Technical Services		TITLE NEW PIG SUBSTATION INTERCONNECTION TO THE GARDNER-DENVER 46KV LINE	
BY: R J R	DATE: 10-22-2020	AGREEMENT	DOC. ID
APP: -	ISSUE: PRELIMINARY		REV. -
		POI-PN-NEW PIG	



NICKTOWN SUBSTATION

◆ = POI #1 LOCATED AT DEAD-END.

OPERATIONAL METERING WILL BE OWNED, OPERATED, AND MAINTAINED BY THE PARTY OWNING THE METERING AND WILL BE PROVIDED TO RTO ICCP.

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Energy Delivery Technical Services

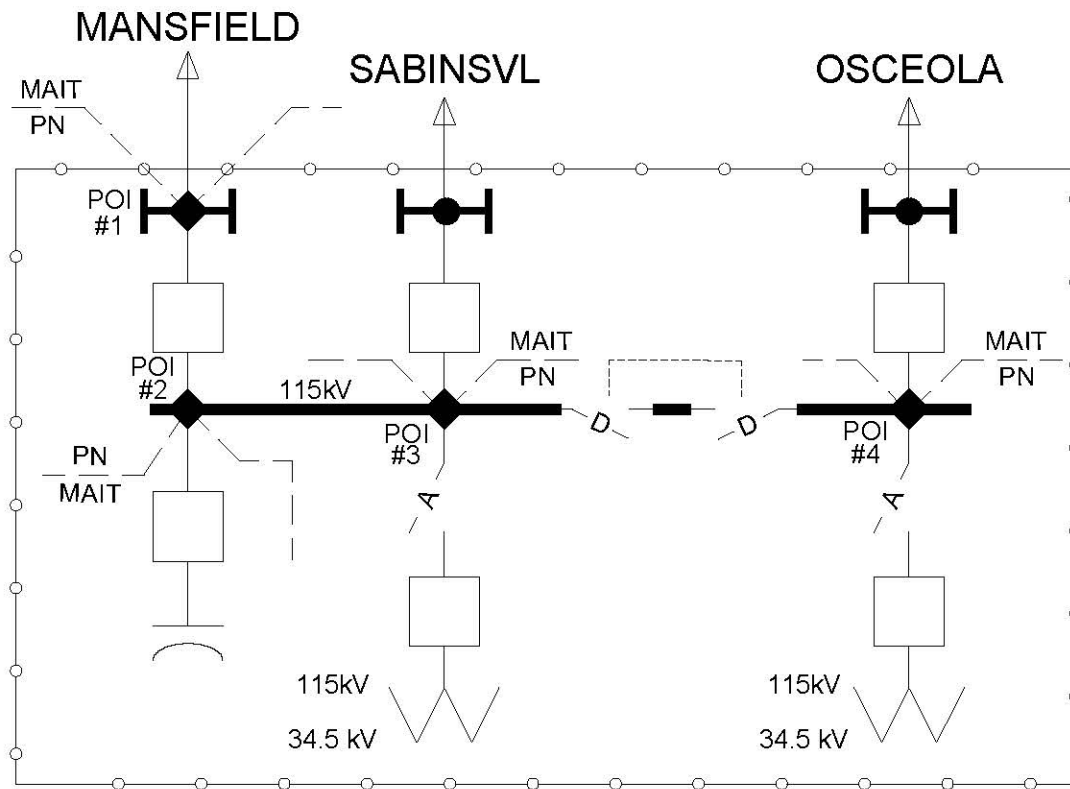
MAIT-PN INTERCONNECTIONS FOR NICKTOWN SUBSTATION

BY: AMF	DATE: 10/10/2016
APP: LAP	ISSUE: Final

AGREEMENT
MAIT-PN ISA

DOC. ID
PN-268-93-01

REV.
-



NILES VALLEY SUBSTATION

◆ = POI #1 LOCATED AT PENELEC (PN) OWNED SUBSTATION 115 kV DEAD-END STRUCTURE WHERE MAIT OWNED LINE TERMINATES

POI #2, POI #3, POI #4, LOCATED AT PENELEC (PN) OWNED 115 kV SUBSTATION BUS WHERE MAIT OWNED LINE TERMINATES

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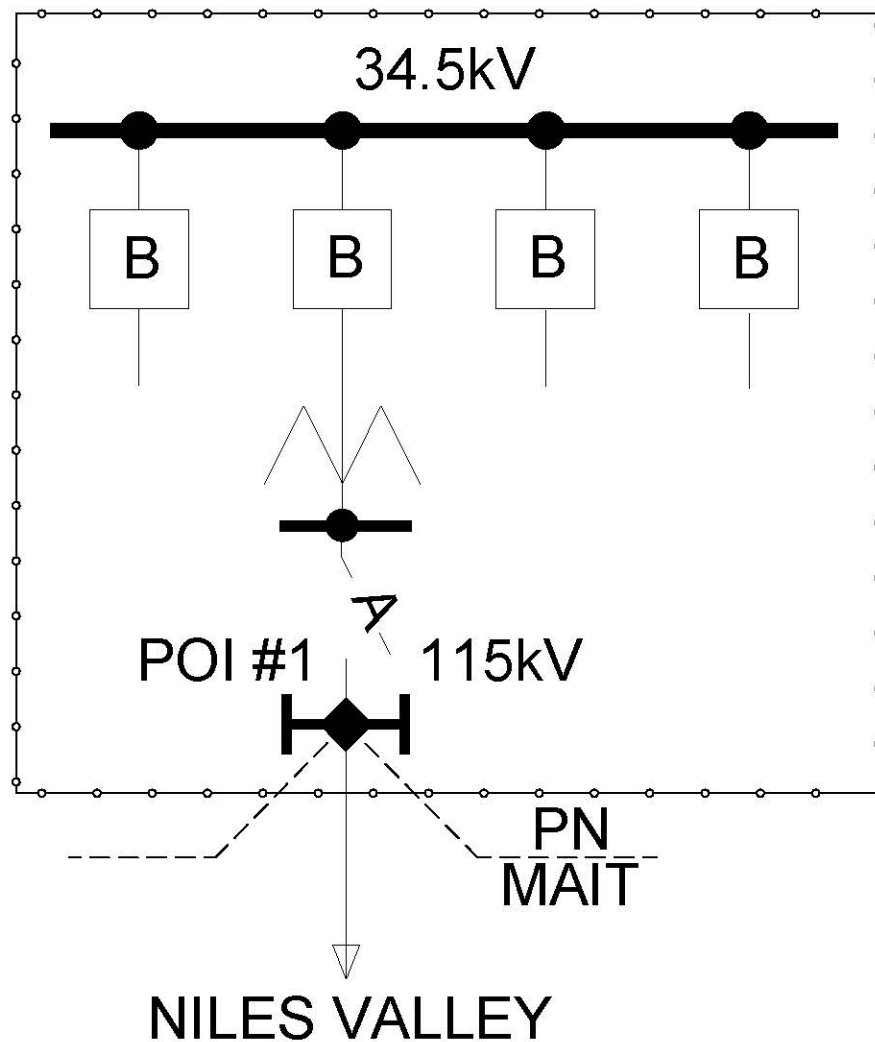
MAIT-PN INTERCONNECTIONS FOR NILES VALLEY SUBSTATION

BY: AMF / J L M DATE: 03/01/2017
APP: LAP ISSUE: Final

AGREEMENT
MAIT-PN ISA

DOC. ID
PN-269-93-01

REV.
1



OSCEOLA SUBSTATION

◆ = POI #4 LOCATED AT DEAD-END.

OPERATIONAL METERING WILL BE OWNED, OPERATED, AND MAINTAINED BY THE PARTY OWNING THE METERING AND WILL BE PROVIDED TO RTO ICCP.

FirstEnergy

Energy Delivery Technical Services

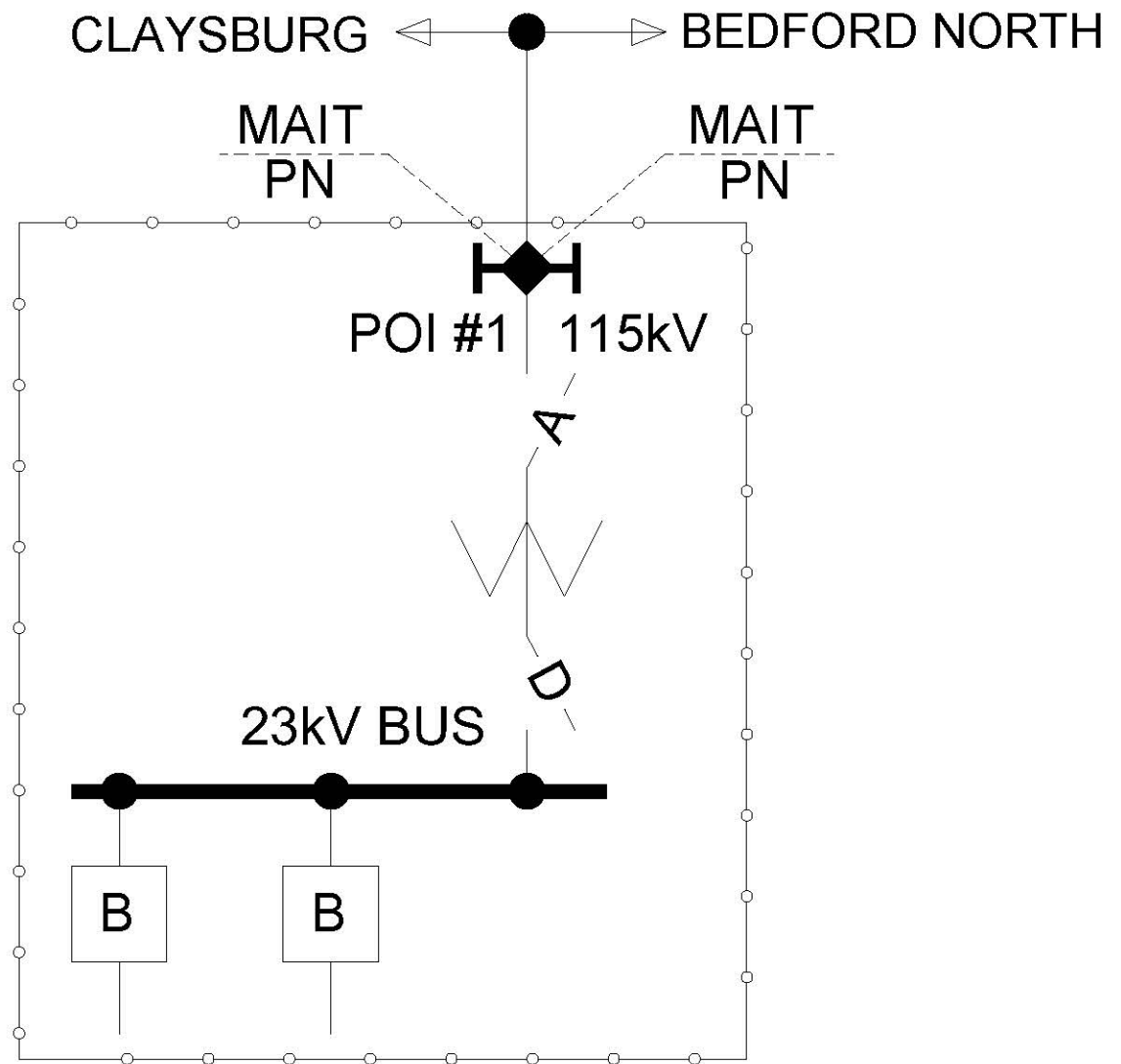
TITLE
MAIT - PN INTERCONNECTIONS FOR OSCEOLA SUBSTATION

BY: J L M DATE: 10/10/2016
APP: - ISSUE: FINAL

AGREEMENT
MAIT-PN ISA

DOC. ID
PN-281-93-01

REV.
-



OSTERBURG EAST SUBSTATION

◆ = POI #1 LOCATED AT DEAD-END.

OPERATIONAL METERING WILL BE OWNED, OPERATED, AND MAINTAINED BY THE PARTY OWNING THE METERING AND WILL BE PROVIDED TO RTO ICCP.

FirstEnergy

Energy Delivery Technical Services

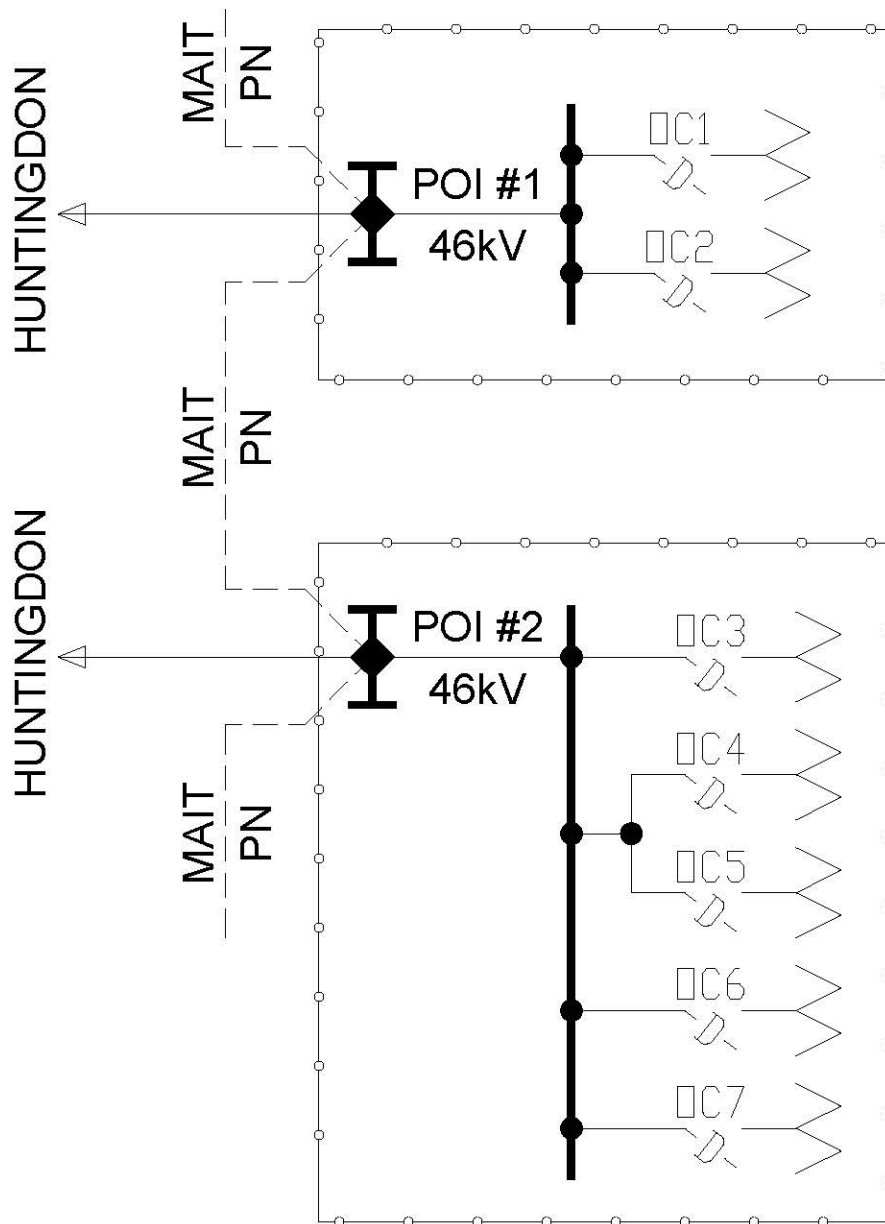
MAIT-PN INTERCONNECTIONS FOR OSTERBURG EAST SUBSTATION

BY: AMF	DATE: 10/10/2016
APP: LAP	ISSUE: Final

AGREEMENT
MAIT-PN ISA

DOC. ID
PN-283-93-01

REV.
-



OWENS CORNING SUBSTATION

◆ = POI #1 LOCATED AT DEAD-END.

POI #2 LOCATED AT DEAD-END.

OPERATIONAL METERING WILL BE OWNED OPERATED AND MAINTAINED BY THE PARTY OWNING THE METERING AND WILL BE PROVIDED TO RTO ICCP

FirstEnergy

Energy Delivery Technical Services

TITLE
MAIT-PN INTERCONNECTIONS AT OWENS CORNING SUBSTATION

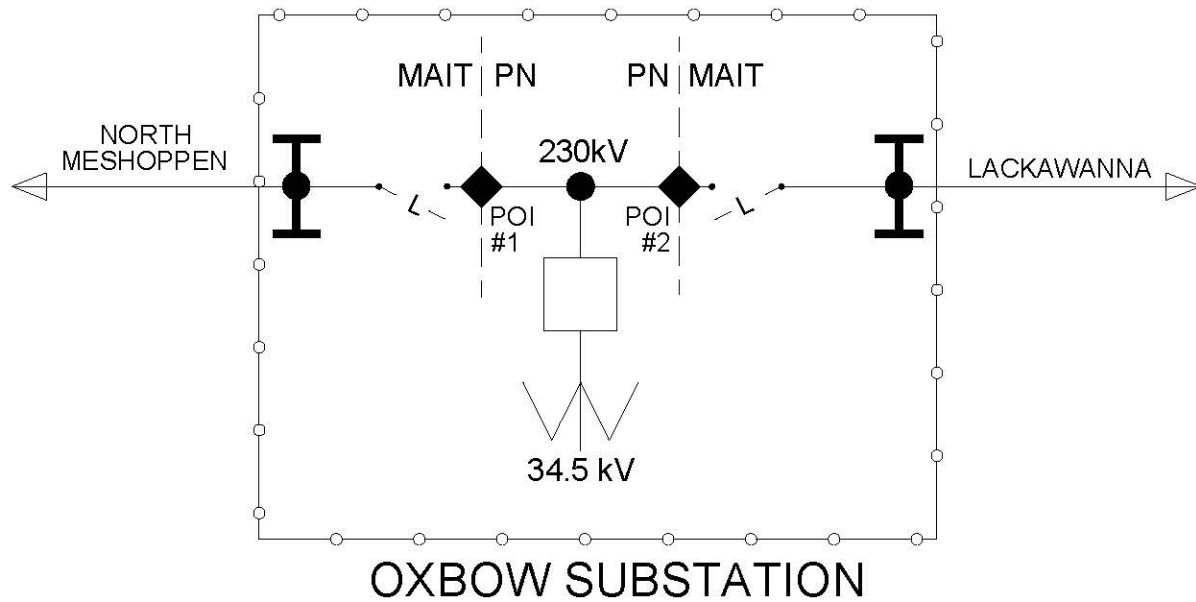
BY: -
APP: LAP

DATE: 10/11/2016
ISSUE: FINAL

AGREEMENT
MAIT-PN ISA

DOC. ID
PN-284-93-01

REV.
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◆ = POI #1 & POI #2, LOCATED AT THE LOAD-SIDE TERMINATIONS ON BOTH THE SUBSTATION 230 kV LOAD-BREAK SWITCHES

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Energy Delivery Technical Services

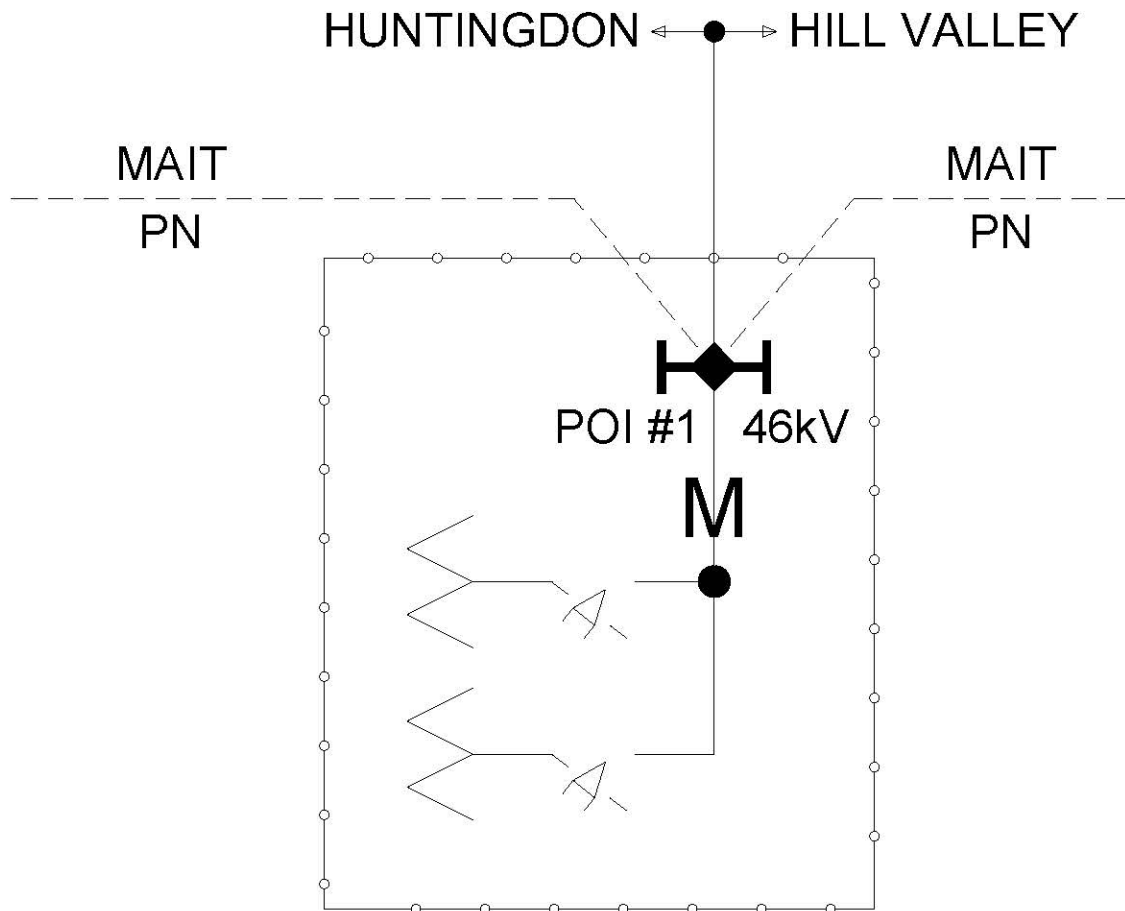
BY: AMF / J L M DATE: 03/01/2017
APP: LAP ISSUE: Final

TITLE
MAIT-PENELEC (PN) INTERCONNECTIONS FOR OXBOW SUBSTATION

AGREEMENT
MAIT-PN ISA

DOC. ID
PN-285-93-01

REV.
1



PA GLASS & SAND SUBSTATION

◆ = POI #1 LOCATED AT CUSTOMER DEAD-END.

M = REVENUE METERING IS OWNED, OPERATED, AND MAINTAIN BY PENELEC.I

OPERATIONAL METERING IS OWNED, OPERATED, AND MAINTAINED BY THE PARTY OWNING THE METERING AND WILL BE PROVIDED TO RTO ICCP

FirstEnergy

Energy Delivery Technical Services

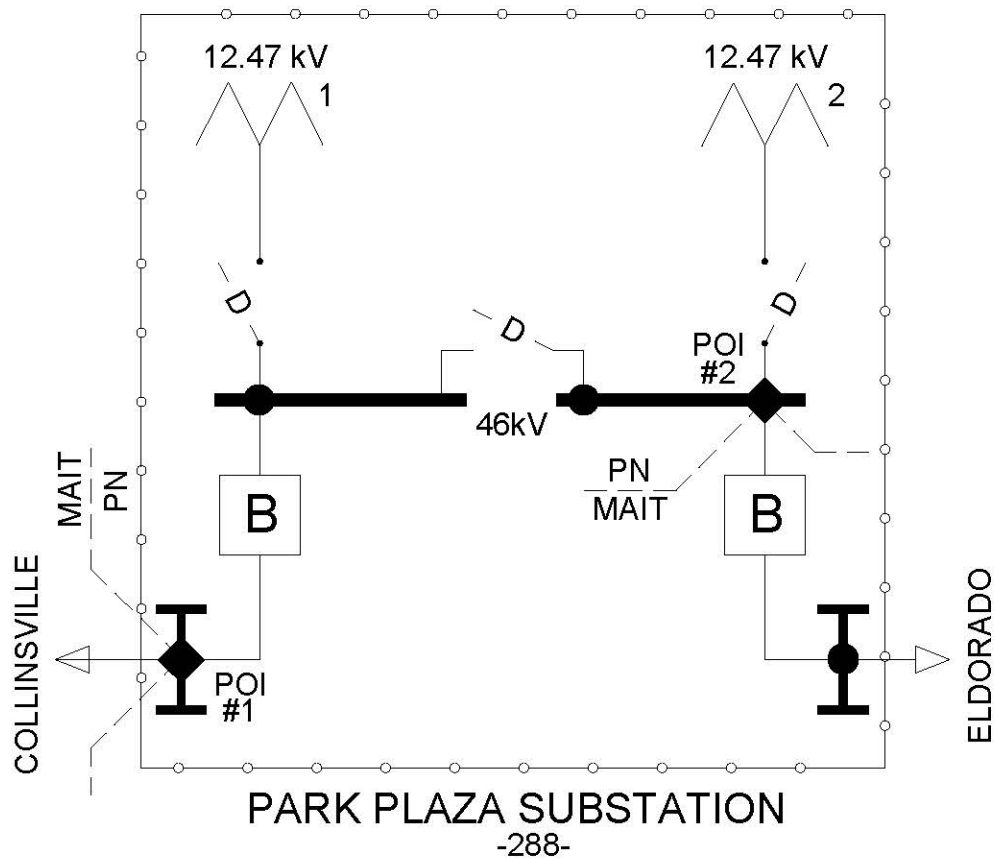
MAIT-PN INTERCONNECTIONS AT PA GLASS & SAND SUBSTATION

BY: AMF	DATE: 10/11/2016
APP: LAP	ISSUE: FINAL

AGREEMENT
MAIT-PN ISA

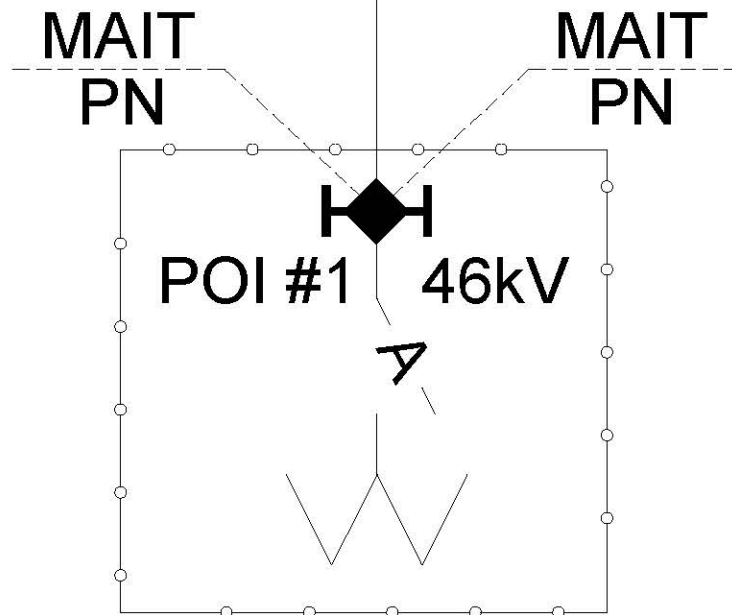
DOC. ID
PN-2206-93-01

REV.
-



◆ = POI #1 LOCATED AT PENELEC OWNED SUBSTATION DEAD-END STRUCTURE
 POI #2 LOCATED AT PENELEC OWNED SUBSTATION 46 kV BUS TAP

CARROLLTOWN ← ● → ASHVILLE



PATTON SUBSTATION

◆ = POI #1 LOCATED AT DEAD-END.

OPERATIONAL METERING WILL BE OWNED, OPERATED,
AND MAINTAINED BY THE PARTY OWNING THE
METERING AND WILL BE PROVIDED TO RTO ICCP.

FirstEnergy

Energy Delivery Technical Services

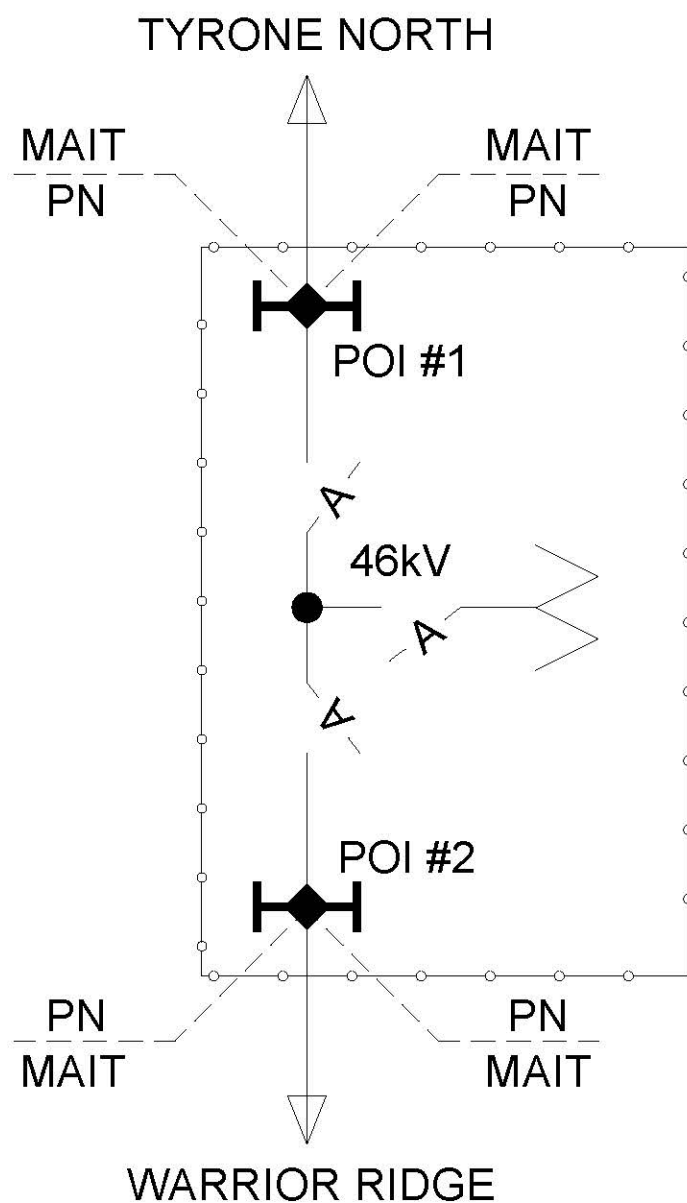
BY: AMF	DATE: 10/10/2016
APP: LAP	ISSUE: Final

TITLE
MAIT-PN INTERCONNECTIONS FOR PATTON SUBSTATION

AGREEMENT
MAIT-PN ISA

DOC. ID
PN-289-93-01

REV.
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◆ = POI #1 LOCATED AT DEAD-END.

POI #2 LOCATED AT DEAD-END.

OPERATIONAL METERING IS OWNED, OPERATED, AND MAINTAINED BY THE PARTY OWNING THE METERING AND WILL BE PROVIDED TO RTO ICCP

FirstEnergy

Energy Delivery Technical Services

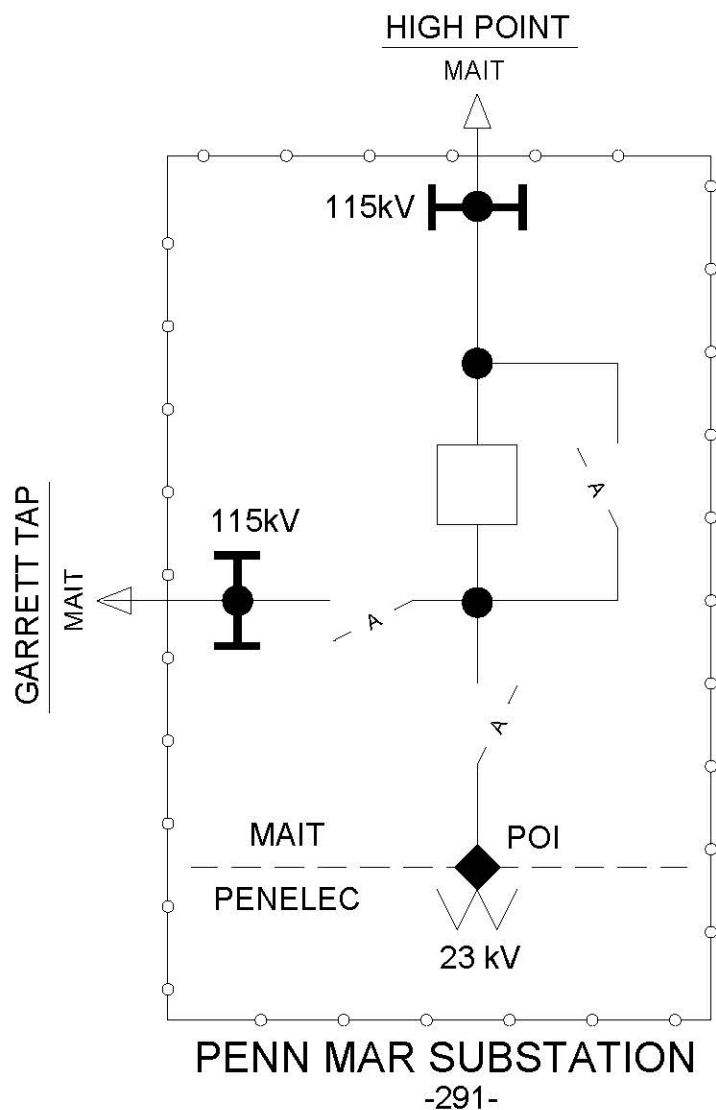
TITLE
MAIT-PN INTERCONNECTIONS AT PEMBERTON SUBSTATION

BY: AMF	DATE: 10/10/2016
APP: LAP	ISSUE: Final

AGREEMENT
MAIT-PN ISA

DOC. ID
PN-290-93-01

REV.
-



◆ = POI (POINT OF INTERCONNECTION) LOCATED AT THE TRANSFORMER'S 115 kV TERMINATIONS

OPERATIONAL METERING WILL BE OWNED, OPERATED, AND MAINTAINED BY THE PARTY OWNING THE METERING AND WILL BE PROVIDED TO RTO ICCP

FirstEnergy

Energy Delivery Technical Services

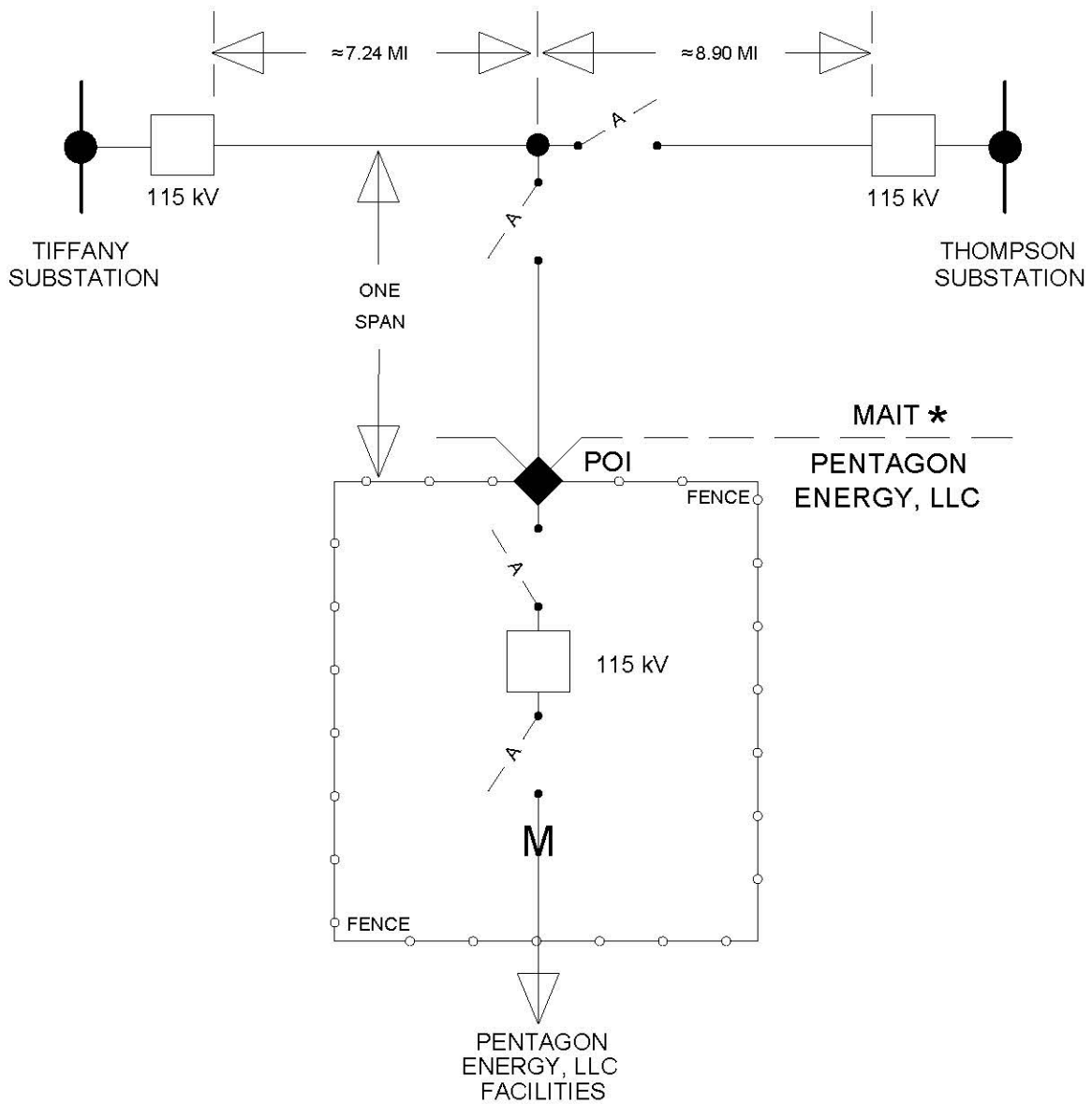
BY: AMF / J L M DATE: 06/05/2018
APP: LAP ISSUE: FINAL

TITLE
MAIT-PN INTERCONNECTIONS FOR PENN MAR SUBSTATION

AGREEMENT
MAIT-PN ISA

DOC. ID
PN-291-93-01

REV.
2



◆ = POI (POINT OF INTERCONNECTION) LOCATED AT THE PENTAGON ENERGY SUBSTATION FENCE.

M = REVENUE METERING FOR INCONNECTION CUSTOMER IS OWNED, OPERATED, AND MAINTAINED BY PENELEC.

* = CUSTOMER PHYSICALLY CONNECTED TO MAIT AND SERVED BY PENELEC THROUGH PENELEC OWNED METER

FirstEnergy

Energy Delivery Technical Services

**PENTAGON ENERGY, LLC INTERCONNECTION
ON THE TIFFANY - THOMPSON 115 kV LINE**

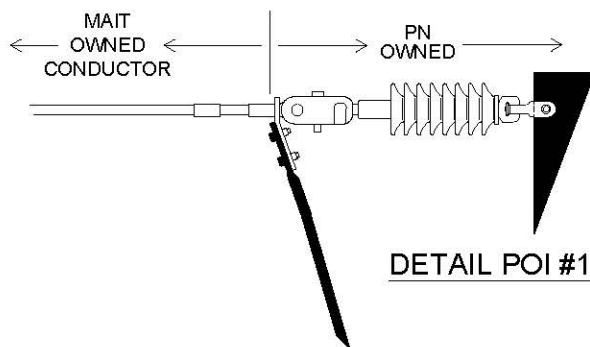
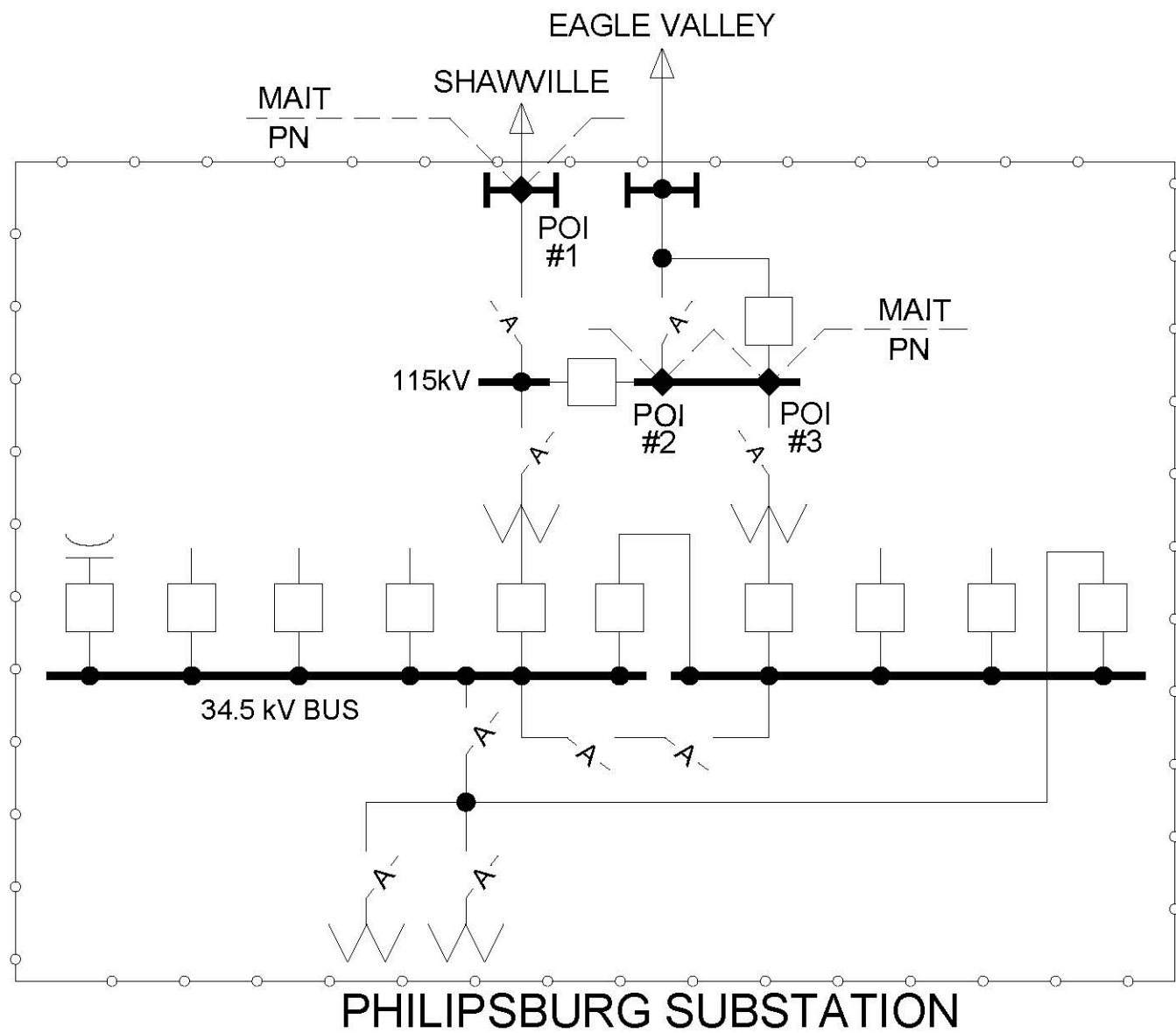
BY: J L M DATE: 09/05/2017
APP: J L M ISSUE: FINAL

AGREEMENT

PN-PENTAGON_ENERGY-01.dwg

DOC. ID REV.

1



◆ = POI #1 LOCATED AT SUBSTATION 115 kV DEAD-END STRUCTURE
 POI #2 & POI #3, LOCATED AT SUBSTATION 115 kV BUS TAP

FirstEnergy
 Energy Delivery Technical Services

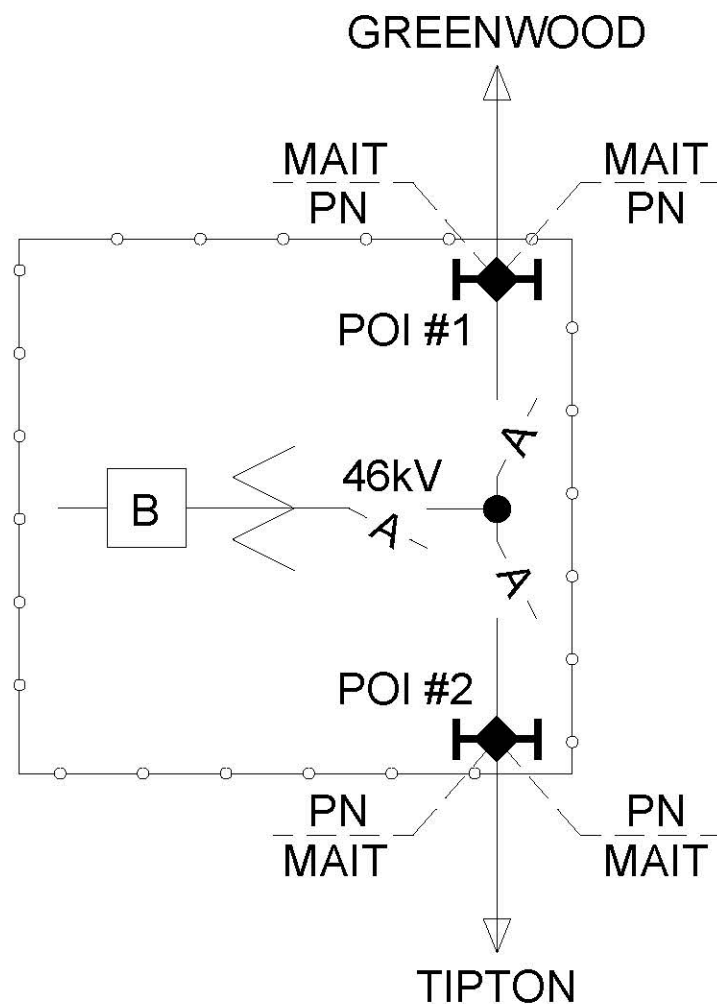
TITLE
MAIT-PN INTERCONNECTIONS FOR PHILIPSBURG SUBSTATION

BY: AMF / J L M DATE: 11/27/2017
 APP: LAP ISSUE: Final

AGREEMENT
MAIT-PN ISA

DOC. ID
PN-293-93-01

REV.
2



PINECROFT SUBSTATION

◆ = POI #1 LOCATED AT DEAD-END.

POI #2 LOCATED AT DEAD-END.

OPERATIONAL METERING WILL BE OWNED, OPERATED,
AND MAINTAINED BY THE PARTY OWNING THE
METERING AND WILL BE PROVIDED TO RTO ICCP.

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Energy Delivery Technical Services

MAIT-PN INTERCONNECTIONS FOR PINECROFT SUBSTATION

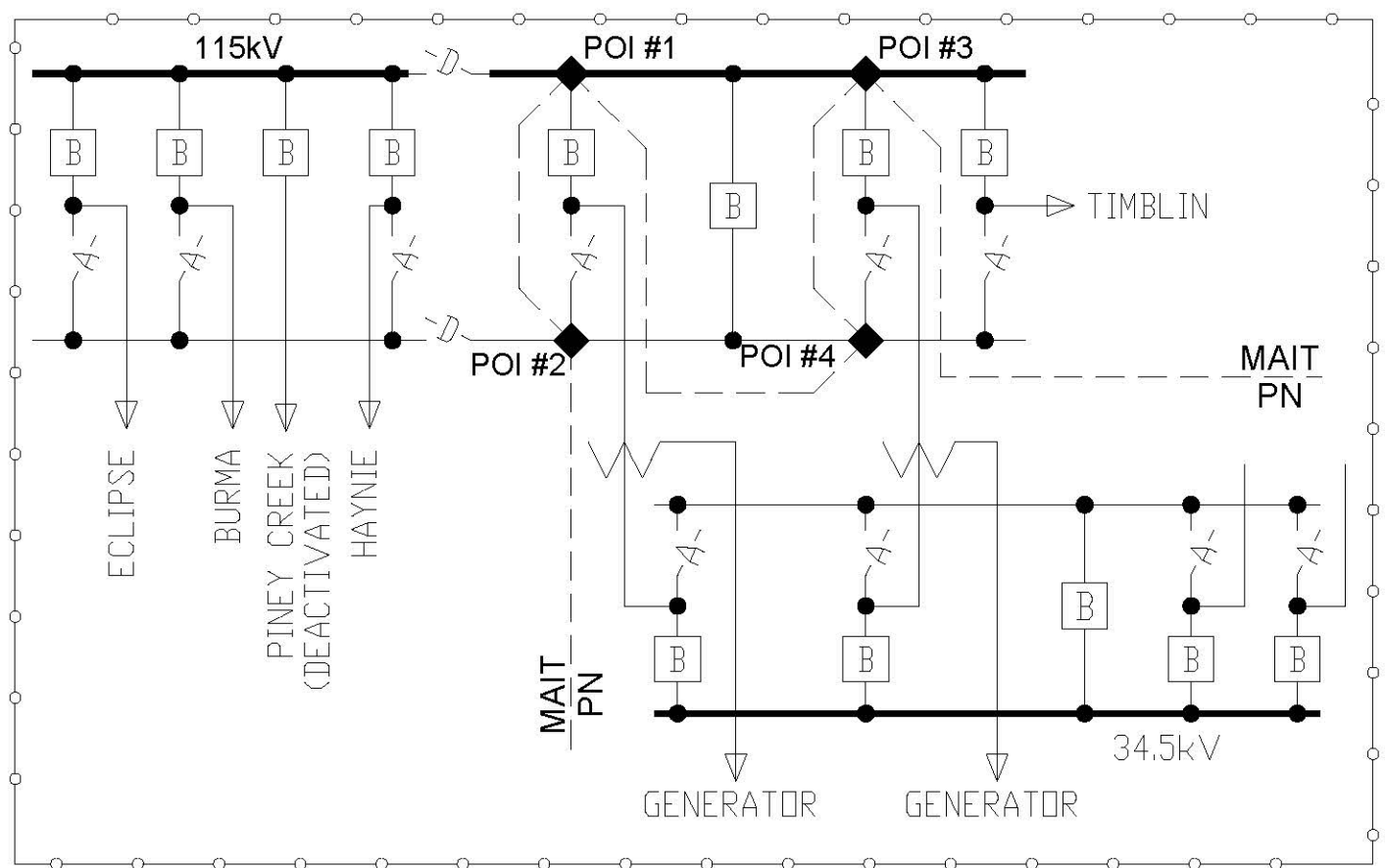
BY: AMF
APP: LAP

DATE: 10/10/2016
ISSUE: FINAL

AGREEMENT
MAIT-PN ISA

DOC. ID
PN-294-93-01

REV.
-



PINEY SUBSTATION

◆ = POI #1 LOCATED AT MAIN BUS TAP FOR No4 TR.

POI #2 LOCATED AT AUX. BUS TAP FOR No4 TR.

POI #3 LOCATED AT MAIN BUS TAP FOR No3 TR.

POI #4 LOCATED AT AUX. BUS TAP FOR No3 TR.

OPERATIONAL METERING WILL BE OWNED, OPERATED, AND MAINTAINED BY THE PARTY OWNING THE METERING AND WILL BE PROVIDED TO RTO ICCP

FirstEnergy

Energy Delivery Technical Services

MAIT-PN INTERCONNECTIONS FOR PINEY SUBSTATION

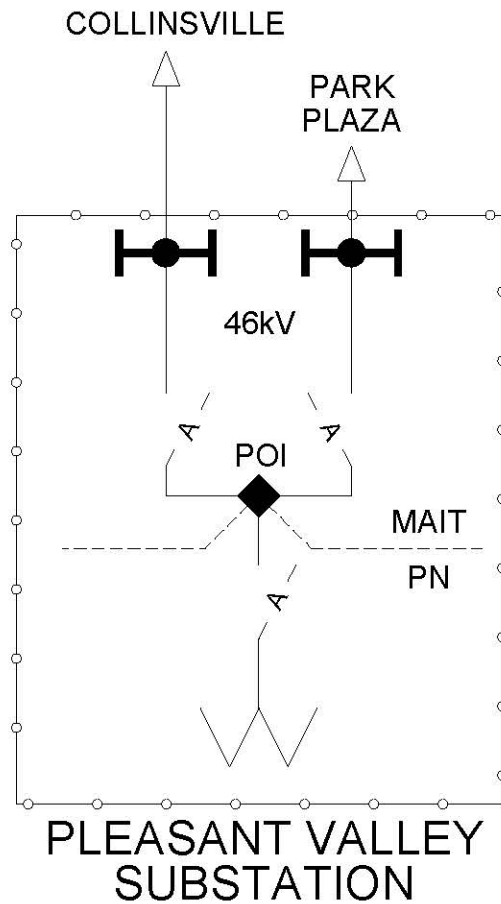
BY: -
APP: LAP

DATE: 10/10/2016
ISSUE: FINAL

AGREEMENT
MAIT-PN ISA

DOC. ID
PN-295-93-01

REV.
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◆ = POI LOCATED AT MAIT OWNED SUBSTATION 46 kV BUS WHERE PENELEC (PN) OWNED LINE TERMINATES

FirstEnergy

Energy Delivery Technical Services

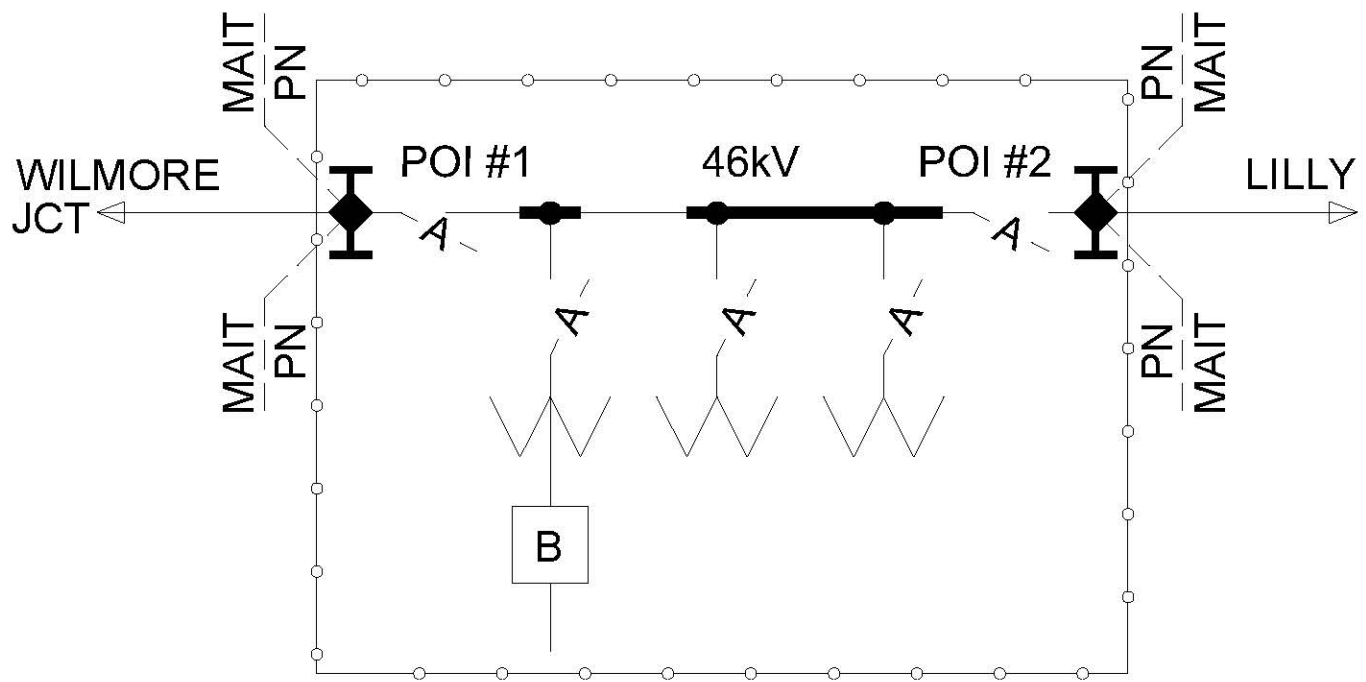
TITLE
MAIT-PN INTERCONNECTIONS AT PLEASANT VALLEY SUBSTATION

BY: AMF / J L M	DATE: 07/27/2018
APP: LAP	ISSUE: FINAL

AGREEMENT
MAIT-PN ISA

DOC. ID
PN-298-93-01

REV.
2



PORTAGE SUBSTATION

◆ = POI #1 LOCATED AT DEAD-END.

POI #2 LOCATED AT DEAD-END.

OPERATIONAL METERING WILL BE OWNED, OPERATED, AND MAINTAINED BY THE PARTY OWNING THE METERING AND WILL BE PROVIDED TO RTO ICCP.

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Energy Delivery Technical Services

MAIT-PN INTERCONNECTIONS FOR PORTAGE SUBSTATION

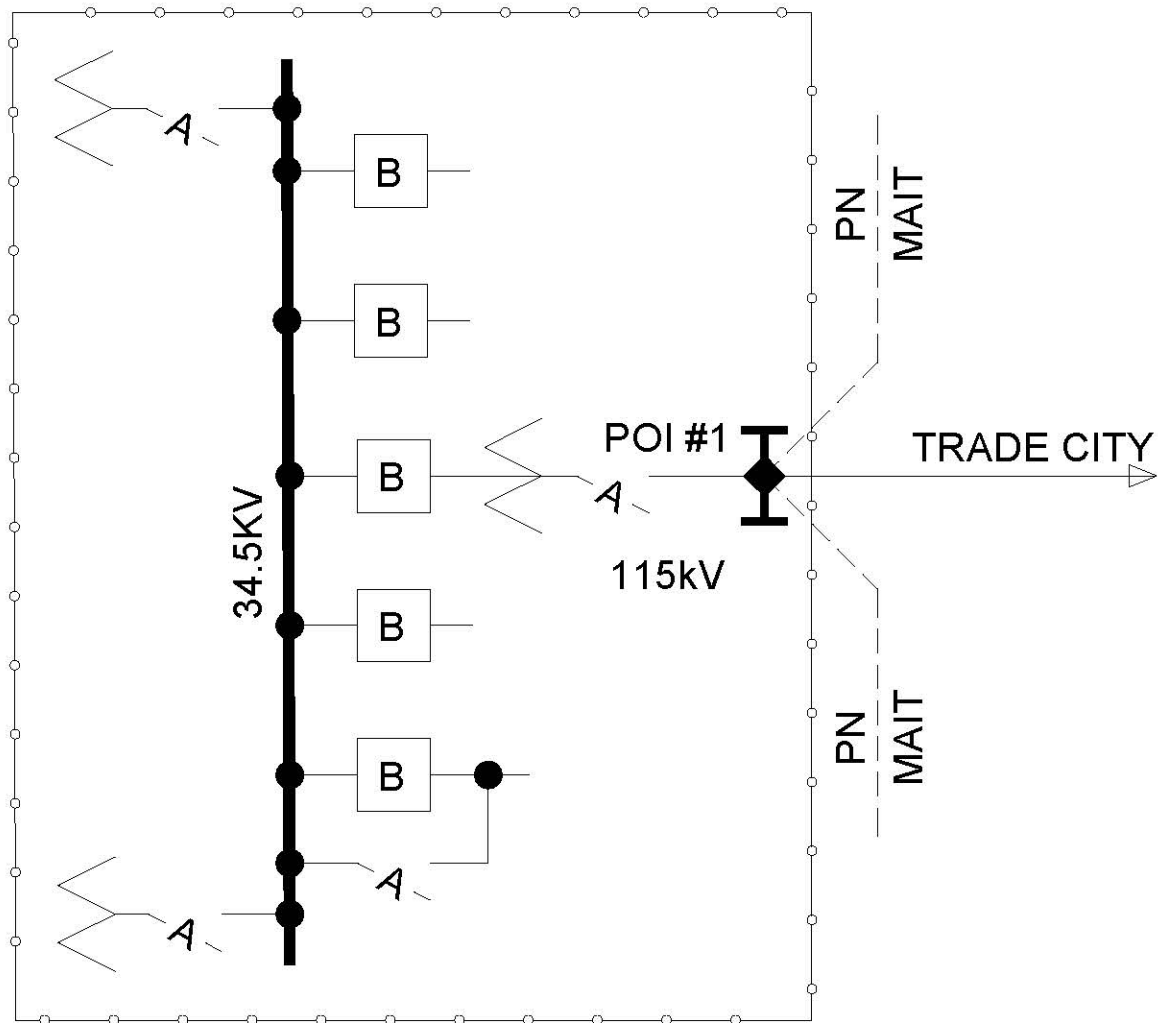
BY: AMF
APP: LAP

DATE: 10/10/2016
ISSUE: Final

AGREEMENT
MAIT-PN ISA

DOC. ID
PN-302-93-01

REV.
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PUNXSUTAWNEY SUBSTATION

◆ = POI #1 LOCATED AT DEAD-END.

OPERATIONAL METERING IS OWNED, OPERATED, AND MAINTAINED BY THE PARTY OWNING THE METERING AND WILL BE PROVIDED TO RTO ICCP

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Energy Delivery Technical Services

MAIT-PN INTERCONNECTIONS FOR PUNXSUTAWNEY SUBSTATION

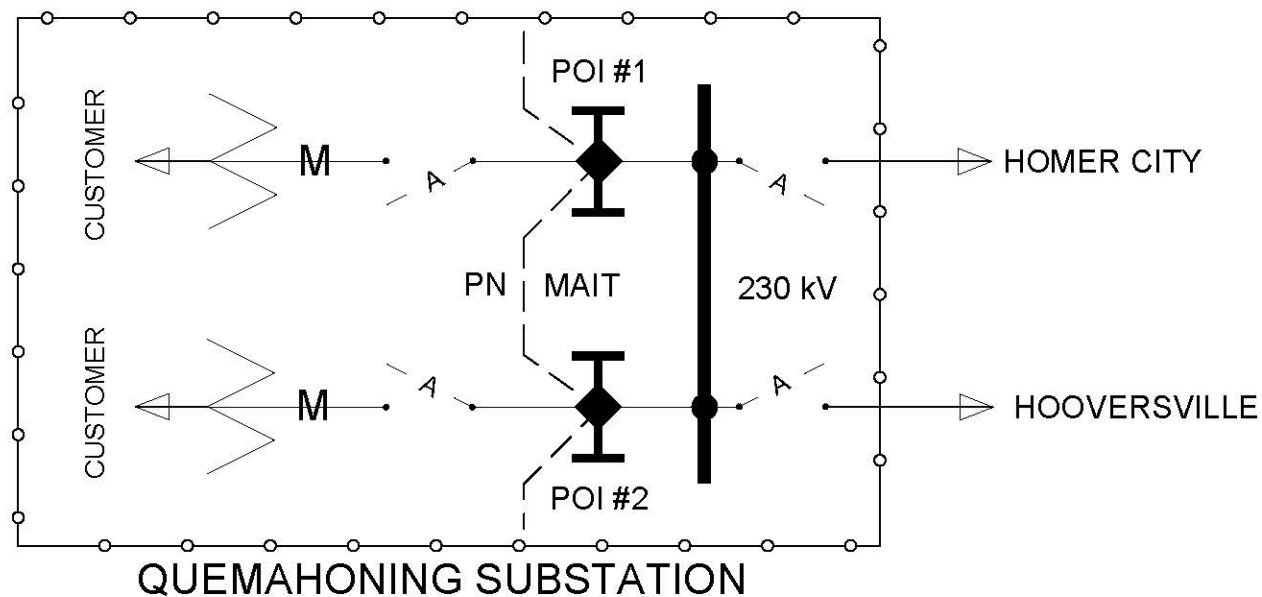
BY: AMF
APP: LAP

DATE: 10/10/16
ISSUE: Preliminary

AGREEMENT
MAIT-PN ISA

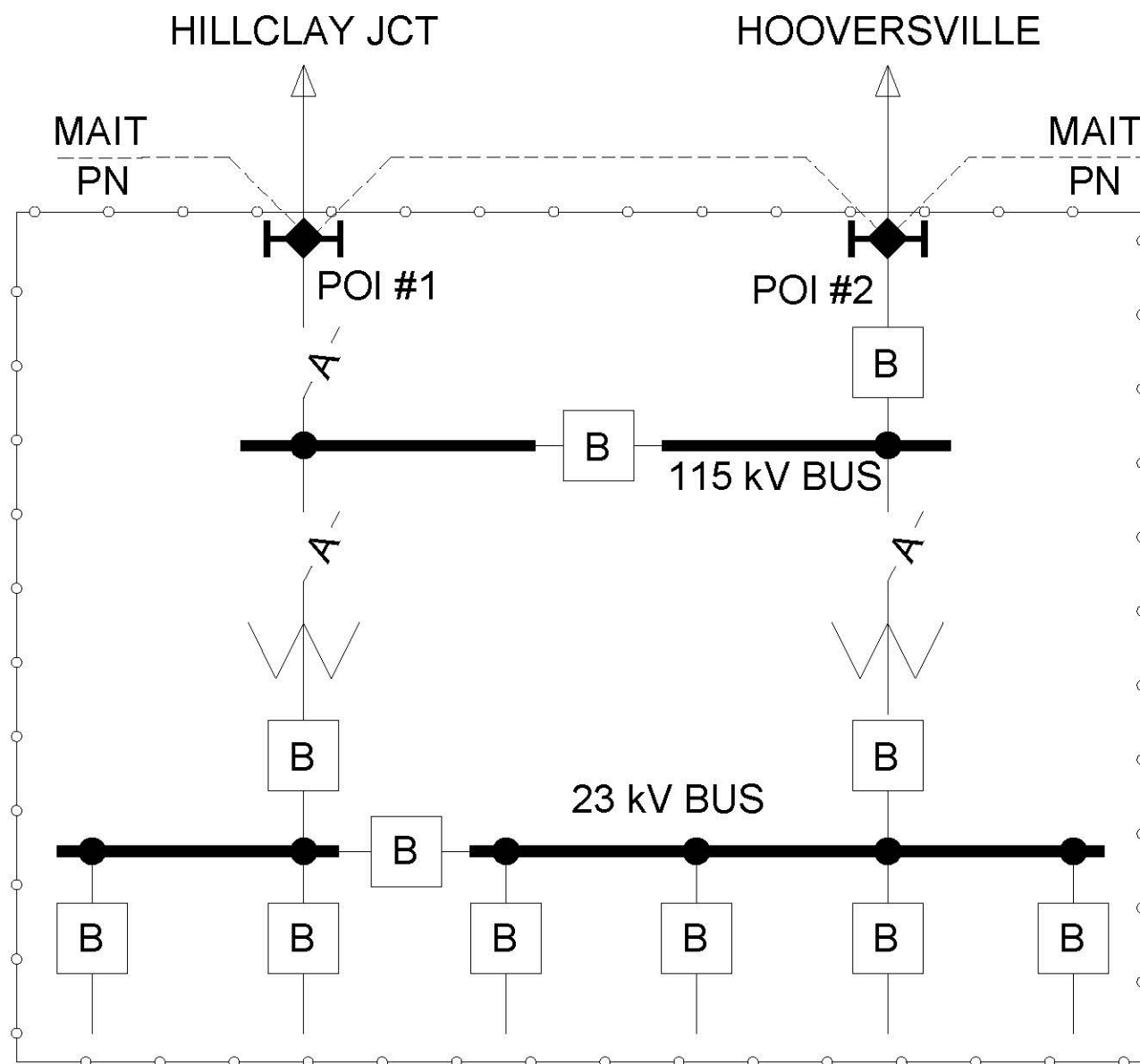
DOC. ID
PN-305-93-01

REV.
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◆ = POI #1 LOCATED AT MAIT SUBSTATION 230 kV BUS TAP
 POI #2 LOCATED AT MAIT SUBSTATION 230 kV BUS TAP

M = REVENUE METERING



RACHEL HILL SUBSTATION

◆ = POI #1 LOCATED AT DEAD-END.

POI #2 LOCATED AT DEAD-END.

OPERATIONAL METERING WILL BE OWNED, OPERATED, AND MAINTAINED BY THE PARTY OWNING THE METERING AND WILL BE PROVIDED TO RTO ICCP.

FirstEnergy

Energy Delivery Technical Services

MAIT-PN INTERCONNECTIONS FOR RACHEL HILL SUBSTATION

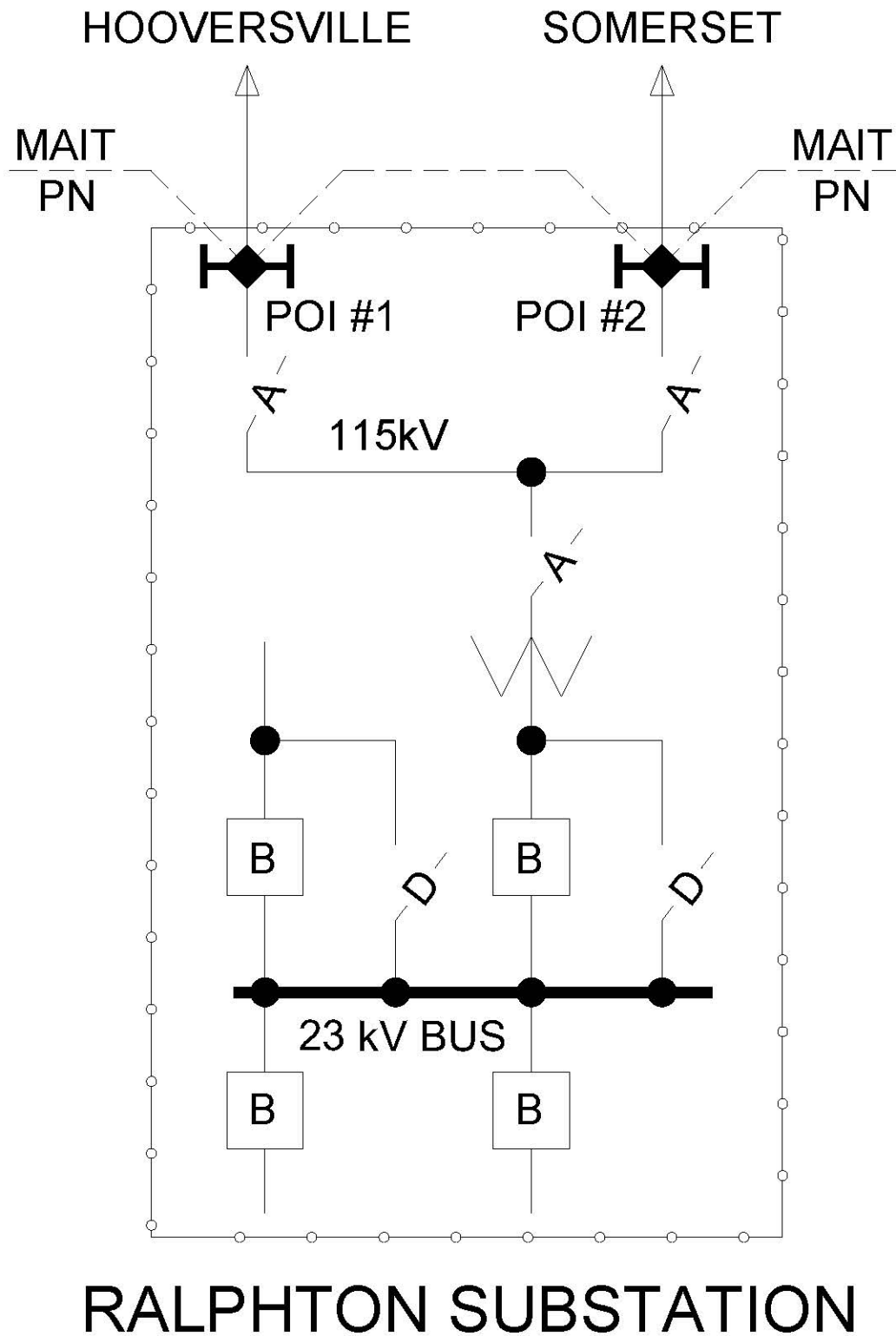
BY: AMF
APP: LAP

DATE: 10/10/2016
ISSUE: Final

AGREEMENT
MAIT-PN ISA

DOC. ID
PN-308-93-01

REV.
-



◆ = POI #1 LOCATED AT DEAD-END.

POI #2 LOCATED AT DEAD-END.

OPERATIONAL METERING WILL BE OWNED, OPERATED, AND MAINTAINED BY THE PARTY OWNING THE METERING AND WILL BE PROVIDED TO RTO ICCP.

FirstEnergy

Energy Delivery Technical Services

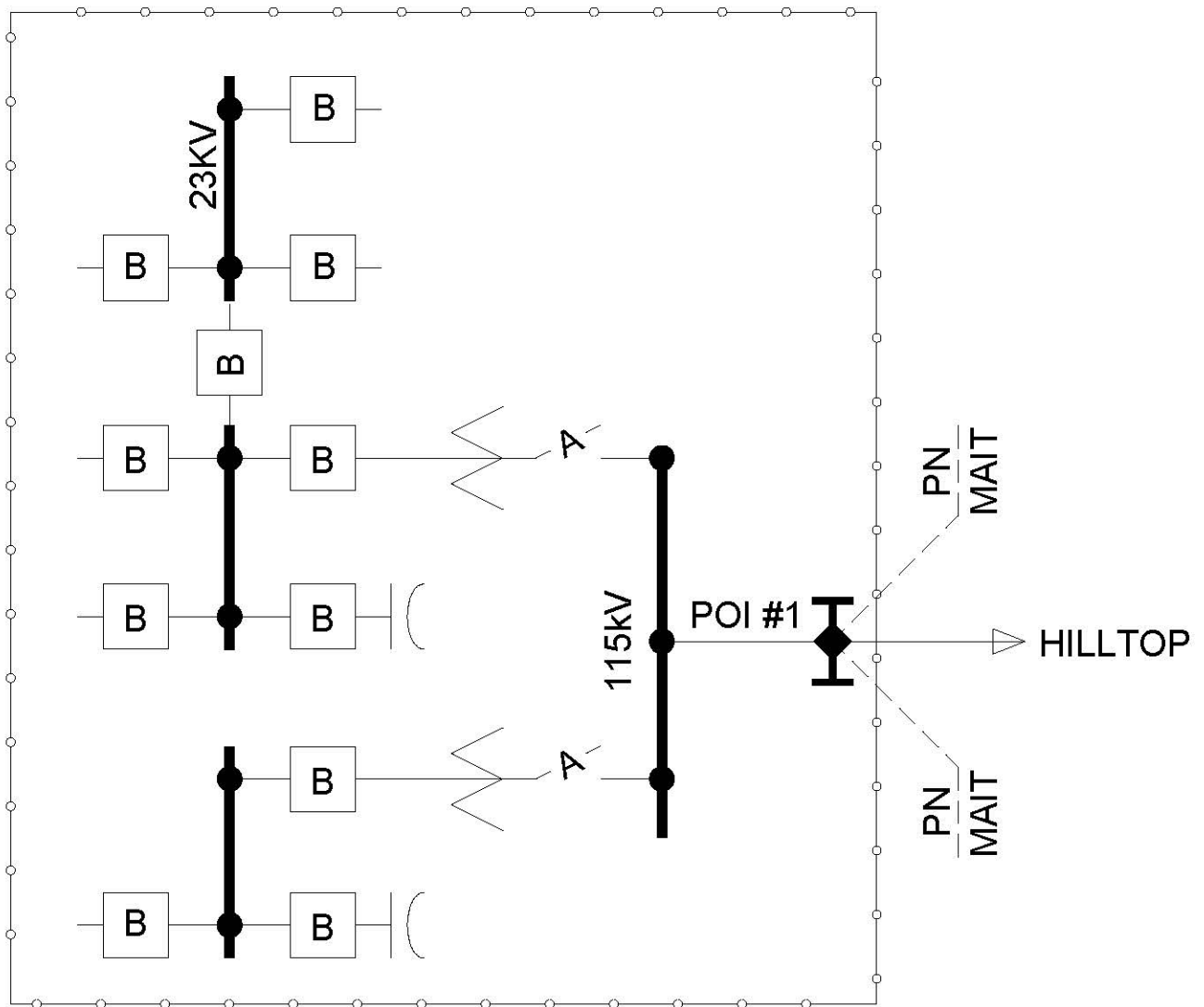
TITLE
MAIT-PN INTERCONNECTIONS FOR RALPHTON SUBSTATION

BY: AMF	DATE: 10/10/2016
APP: LAP	ISSUE: Final

AGREEMENT
MAIT-PN ISA

DOC. ID
PN-309-93-01

REV.
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REEDER STREET SUBSTATION

◆ = POI #1 LOCATED AT DEAD-END..

OPERATIONAL METERING IS OWNED, OPERATED, AND MAINTAINED BY THE PARTY OWNING THE METERING AND WILL BE PROVIDED TO RTO ICCP.

FirstEnergy

Energy Delivery Technical Services

MAIT-PN INTERCONNECTIONS FOR REEDER STREET SUBSTATION

BY: AMF
APP: LAP

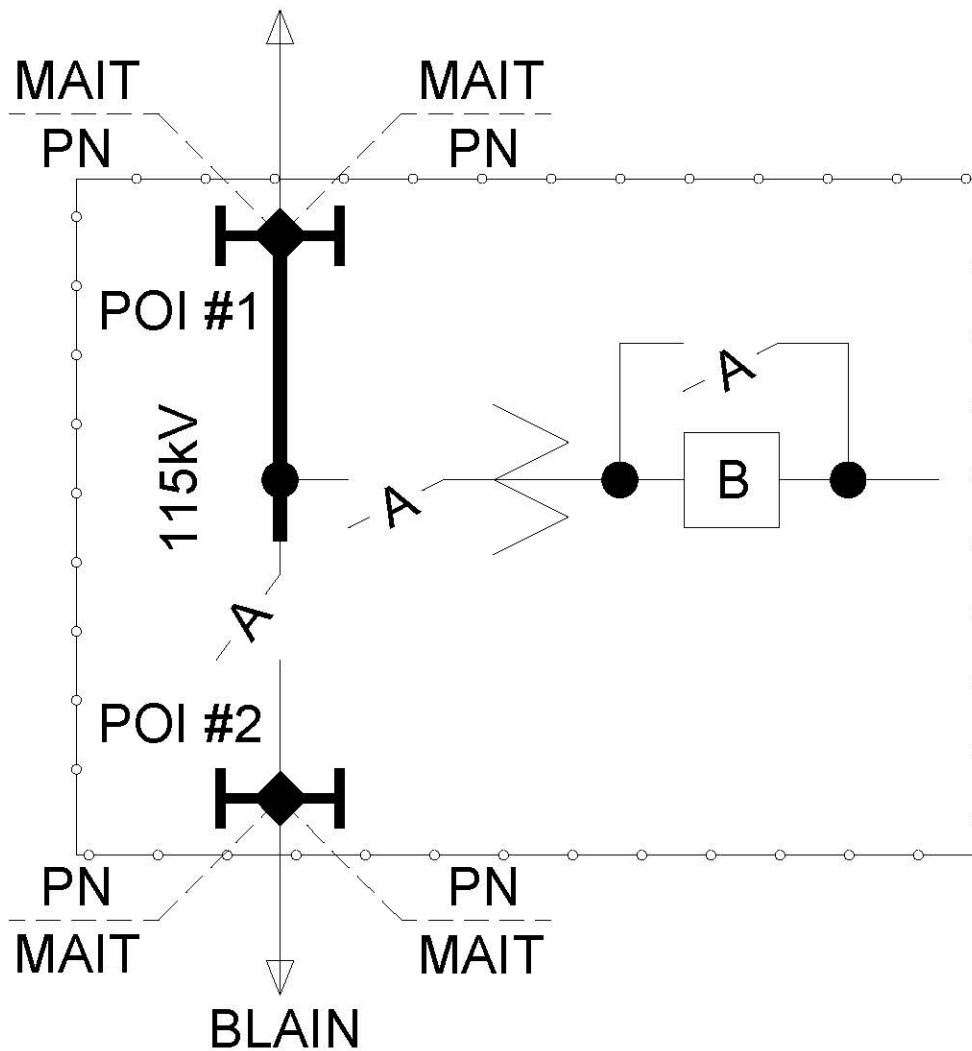
DATE: 10/10/2016
ISSUE: FINAL

AGREEMENT
MAIT-PN ISA

DOC. ID
PN-312-93-01

REV.
-

REEDS GAP SWITCHING STR



REEDS GAP SUBSTATION

◆ = POI #1 LOCATED AT DEAD-END.

POI #2 LOCATED AT DEAD-END.

OPERATIONAL METERING IS OWNED, OPERATED, AND
MAINTAINED BY THE PARTY OWNING THE METERING
AND WILL BE PROVIDED TO RTO ICCP

FirstEnergy

Energy Delivery Technical Services

MAIT-PN INTERCONNECTIONS FOR REEDS GAP SUBSTATION

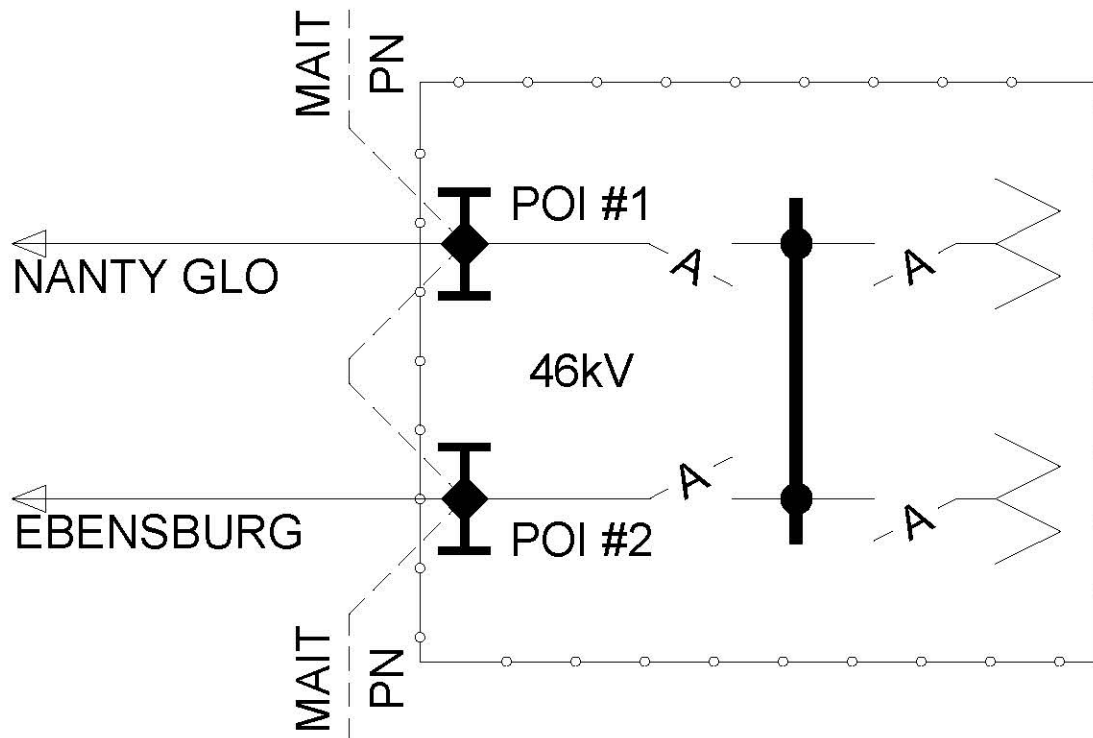
BY: AMF
APP: LAP

DATE: 10/10/2016
ISSUE: Final

AGREEMENT
MAIT-PN ISA

DOC. ID
PN-313-93-01

REV.
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REVLOC SUBSTATION

◆ = POI #1 LOCATED AT DEAD-END

POI #2 LOCATED AT DEAD-END.

OPERATIONAL METERING IS OWNED, OPERATED, AND MAINTAINED BY THE PARTY OWNING THE METERING AND WILL BE PROVIDED TO RTO ICCP.

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Energy Delivery Technical Services

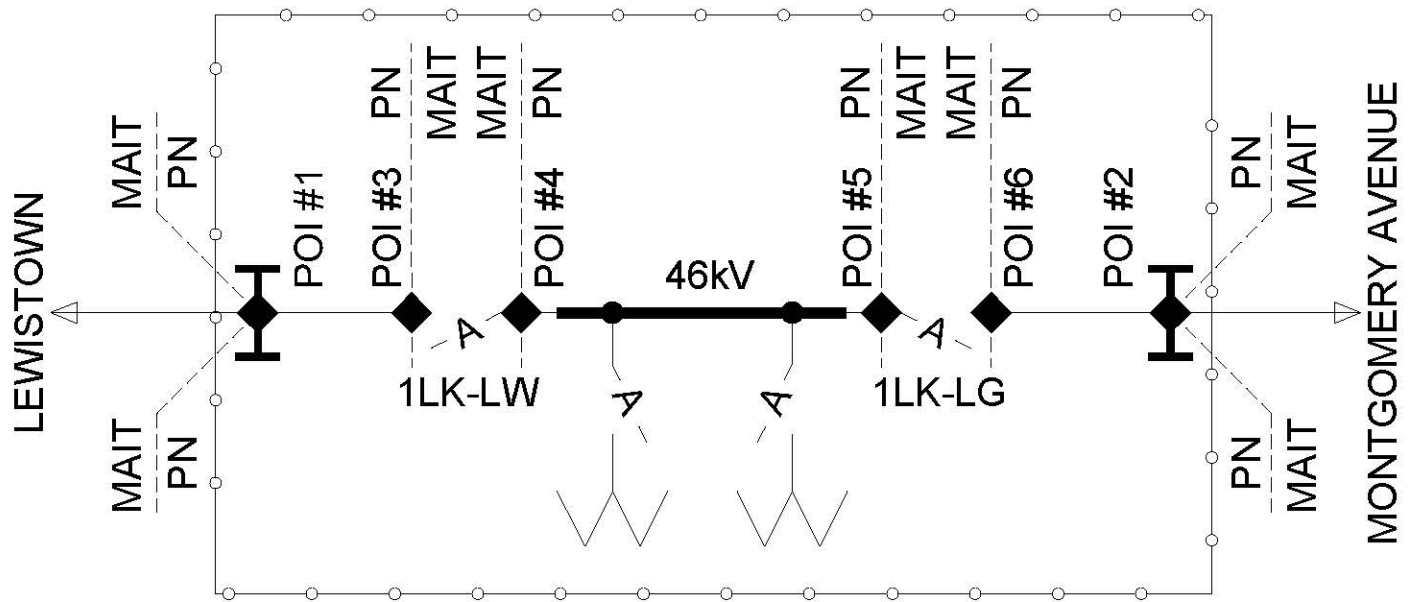
BY: AMF	DATE: 10/10/2016
APP: LAP	ISSUE: Final

MAIT-PN INTERCONNECTIONS FOR REVLOC SUBSTATION

AGREEMENT
MAIT-PN ISA

DOC. ID
PN-316-93-01

REV.
-



RIVERSIDE SUBSTATION

◆ = POI #1 LOCATED AT DEAD-END.

POI #2 LOCATED AT DEAD-END.

POI #3 LOCATED AT LINE SIDE TERMINAL OF SWITCH 1LK-LW.

POI #4 LOCATED AT BUS SIDE TERMINAL OF SWITCH 1LK-LW.

POI #5 LOCATED AT BUS SIDE TERMINAL OF SWITCH 1LK-LG.

POI #6 LOCATED AT LINE SIDE TERMINAL OF SWITCH 1LK-LG.

OPERATIONAL METERING WILL BE OWNED, OPERATED, AND MAINTAINED BY THE PARTY OWNING THE METERING AND WILL BE PROVIDED TO RTO ICCP.

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Energy Delivery Technical Services

MAIT-PN INTERCONNECTIONS FOR RIVERSIDE SUBSTATION

BY: AMF DATE: 2/1/2017

APP: LAP ISSUE: Final

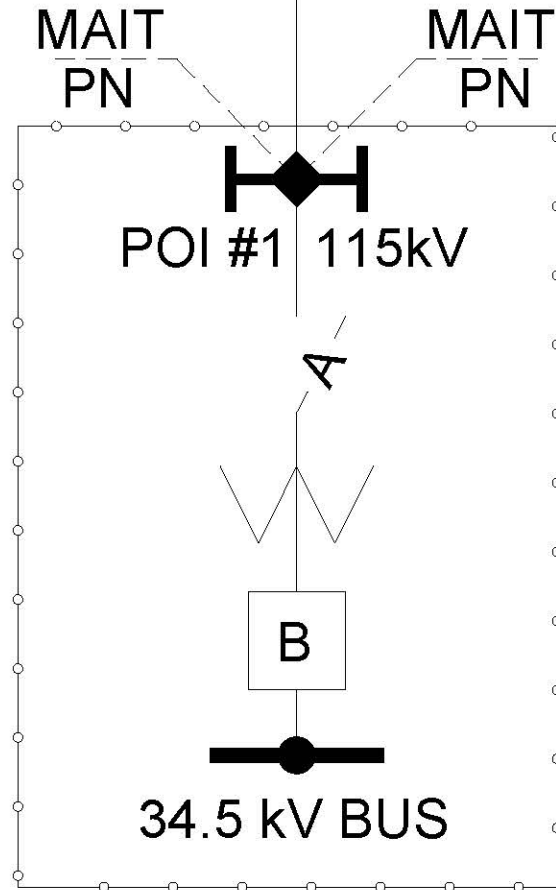
AGREEMENT
MAIT-PN ISA

DOC. ID
PN-323-93-01

REV.

-

DUBOIS ← → SHAWVILLE



ROCKTON MOUNTAIN SUBSTATION

◆ = POI #1 LOCATED ON DEAD-END.

OPERATIONAL METERING IS OWNED, OPERATED, AND
MAINTAINED BY THE PARTY OWNING THE METERING
AND WILL BE PROVIDED TO RTO ICCP

FirstEnergy

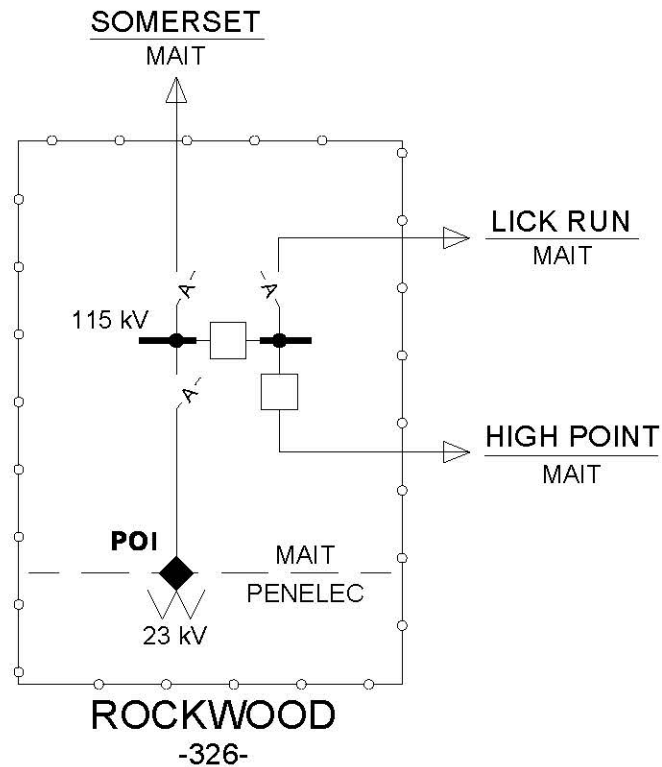
Energy Delivery Technical Services

TITLE
MAIT-PN INTERCONNECTIONS FOR ROCKTON MOUNTAIN SUBSTATION

BY: AMF	DATE: 10/10/2016
APP: LAP	ISSUE: Final

AGREEMENT
MAIT-PN ISA

DOC. ID	REV.
PN-325-93-01	-



◆ = POI (POINT OF INTERCONNECTION) LOCATED AT THE
TRANSFORMER'S 115 kV TERMINATION

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Energy Delivery Technical Services

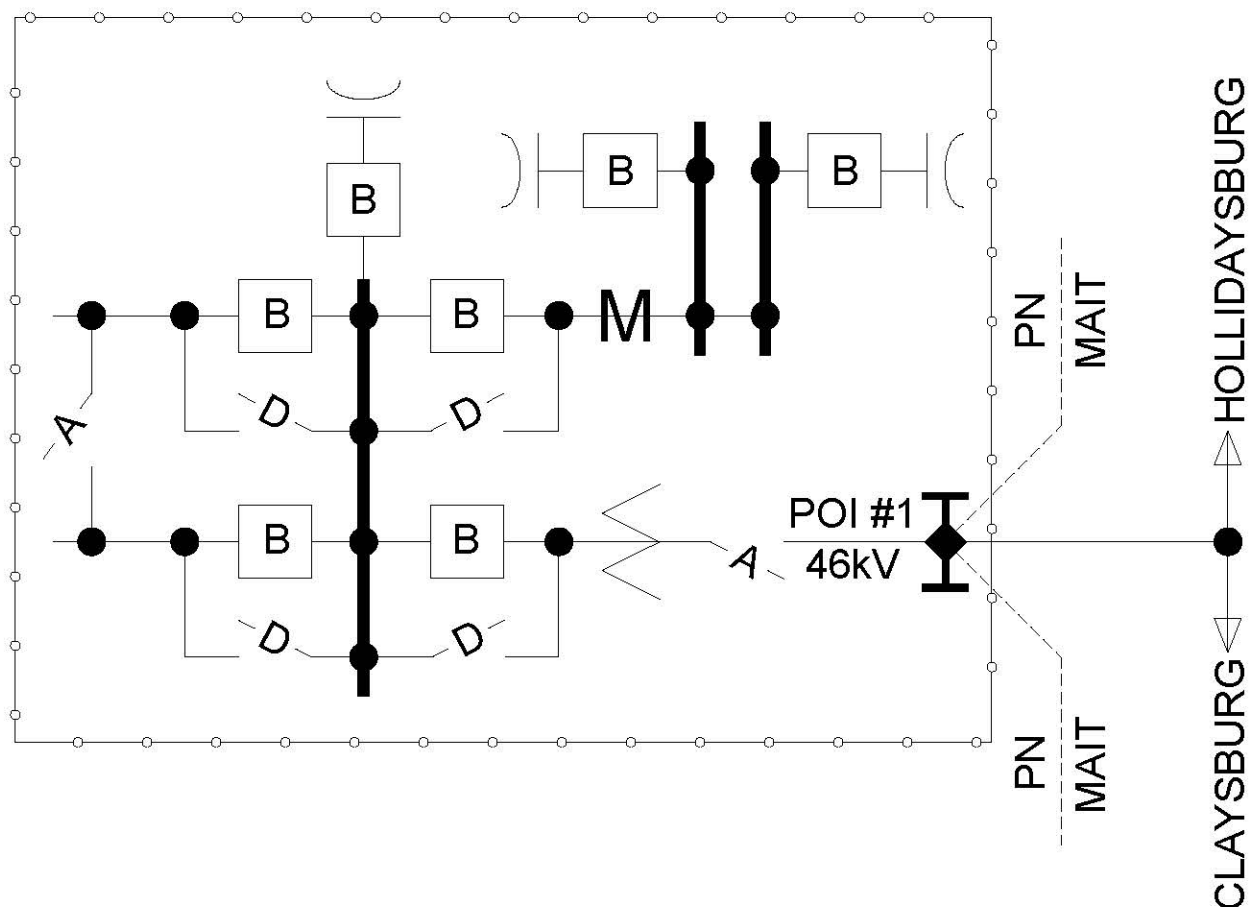
BY: J L M DATE: 03/16/2018
APP: - ISSUE: FINAL

TITLE
**MAIT - PENELEC INTERCONNECTIONS AT
ROCKWOOD SUBSTATION**

AGREEMENT

DOC. ID
PN-326-93-01.dwg

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1



RODMAN SUBSTATION

◆ = POI #1 LOCATED AT DEAD-END.

OPERATIONAL METERING IS OWNED, OPERATED, AND MAINTAINED BY THE PARTY OWNING THE METERING AND WILL BE PROVIDED TO RTO ICCP.

FirstEnergy

Energy Delivery Technical Services

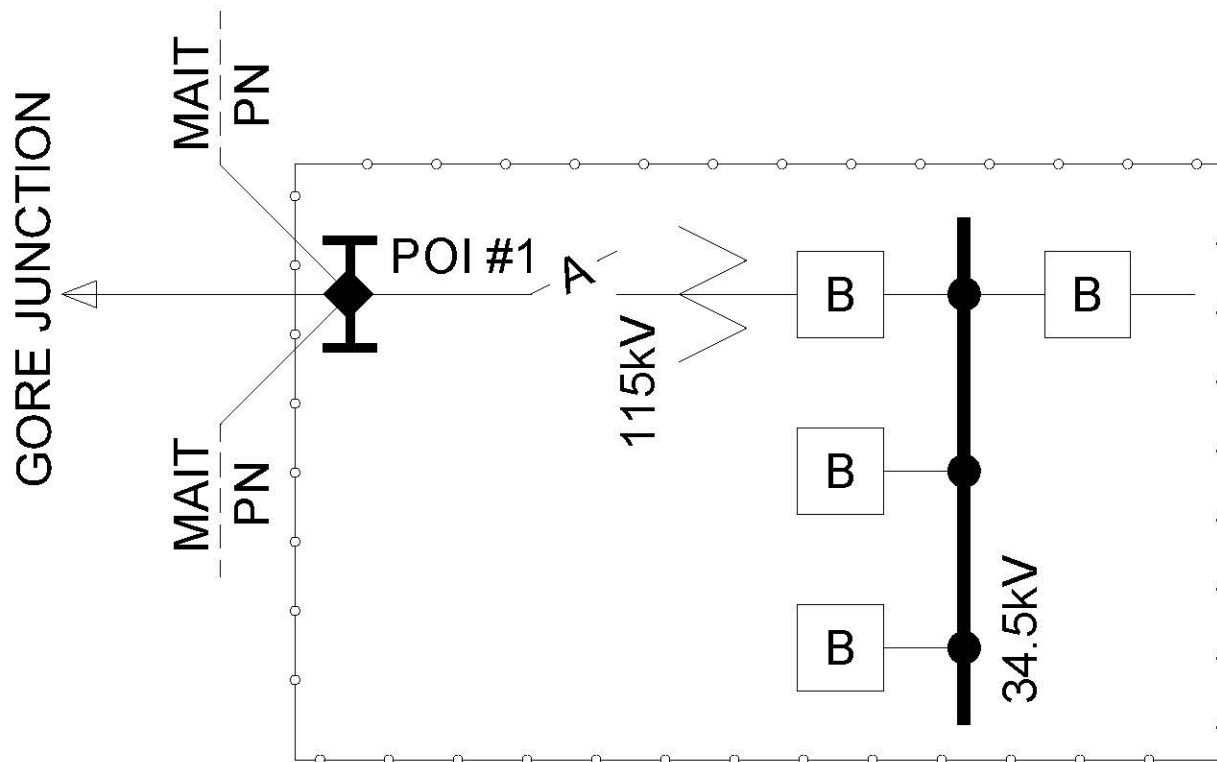
BY: AMF	DATE: 10/10/2016
APP: LAP	ISSUE: Final

MAIT-PN INTERCONNECTIONS AT RODMAN SUBSTATION

AGREEMENT
MAIT-PN ISA

DOC. ID
PN-327-93-01

REV.
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ROLLING MEADOWS SUBSTATION

◆ = POI #1 LOCATED AT DEAD-END.

OPERATIONAL METERING IS OWNED, OPERATED, AND MAINTAINED BY THE PARTY OWNING THE METERING AND WILL BE PROVIDED TO RTO ICCP

FirstEnergy

Energy Delivery Technical Services

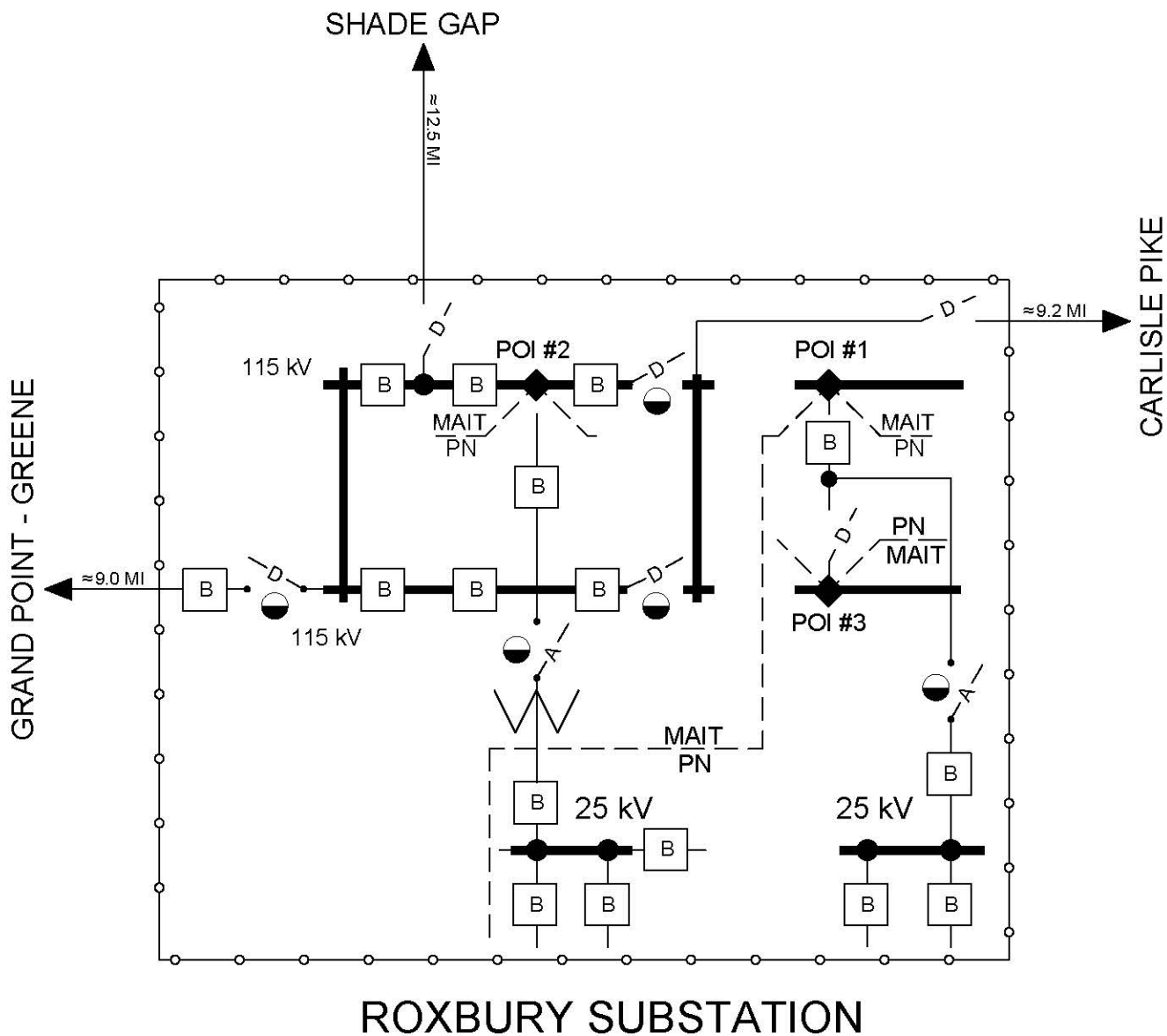
TITLE
MAIT-PN INTERCONNECTIONS AT ROLLING MEADOWS SUBSTATION

BY: AMF	DATE: 10/10/2016
APP: LAP	ISSUE: FINAL

AGREEMENT
MAIT-PN ISA

DOC. ID
PN-326-93-01

REV.
-



- ◆ = POI #1 LOCATED AT SUBSTATION 115 kV MAIN BUS TAP
- POI #2 LOCATED AT SUBSTATION 115 kV MAIN BUS TAP
- POI #3 LOCATED AT SUBSTATION 115 kV TRANSFER BUS TAP

FirstEnergy

Energy Delivery Technical Services

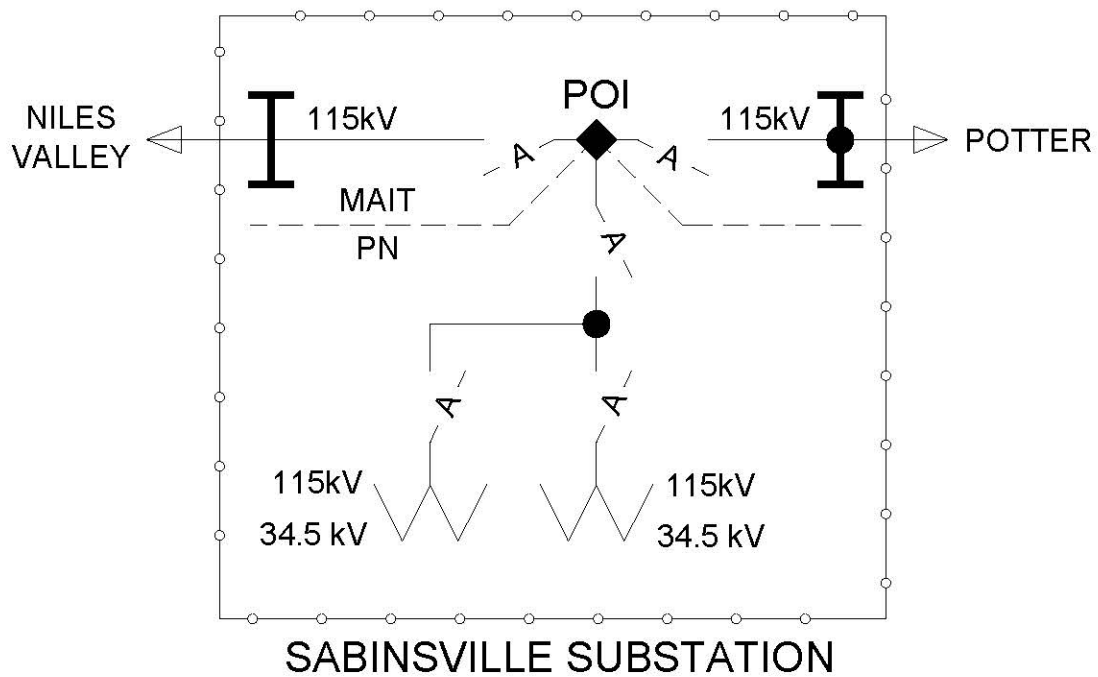
TITLE MAIT-PN INTERCONNECTIONS FOR ROXBURY SUBSTATION

BY: R.J.R. DATE: 2-11-2020
APP: ISSUE: FINAL

AGREEMENT
MAIT-PN ISA

DOC. ID
PN-331-93-01

REV.
A



◆ = POI LOCATED AT MAIT OWNED SUBSTATION 115 kV BUS WHERE PENELEC (PN) OWNED LINE TERMINATES

FirstEnergy[®]

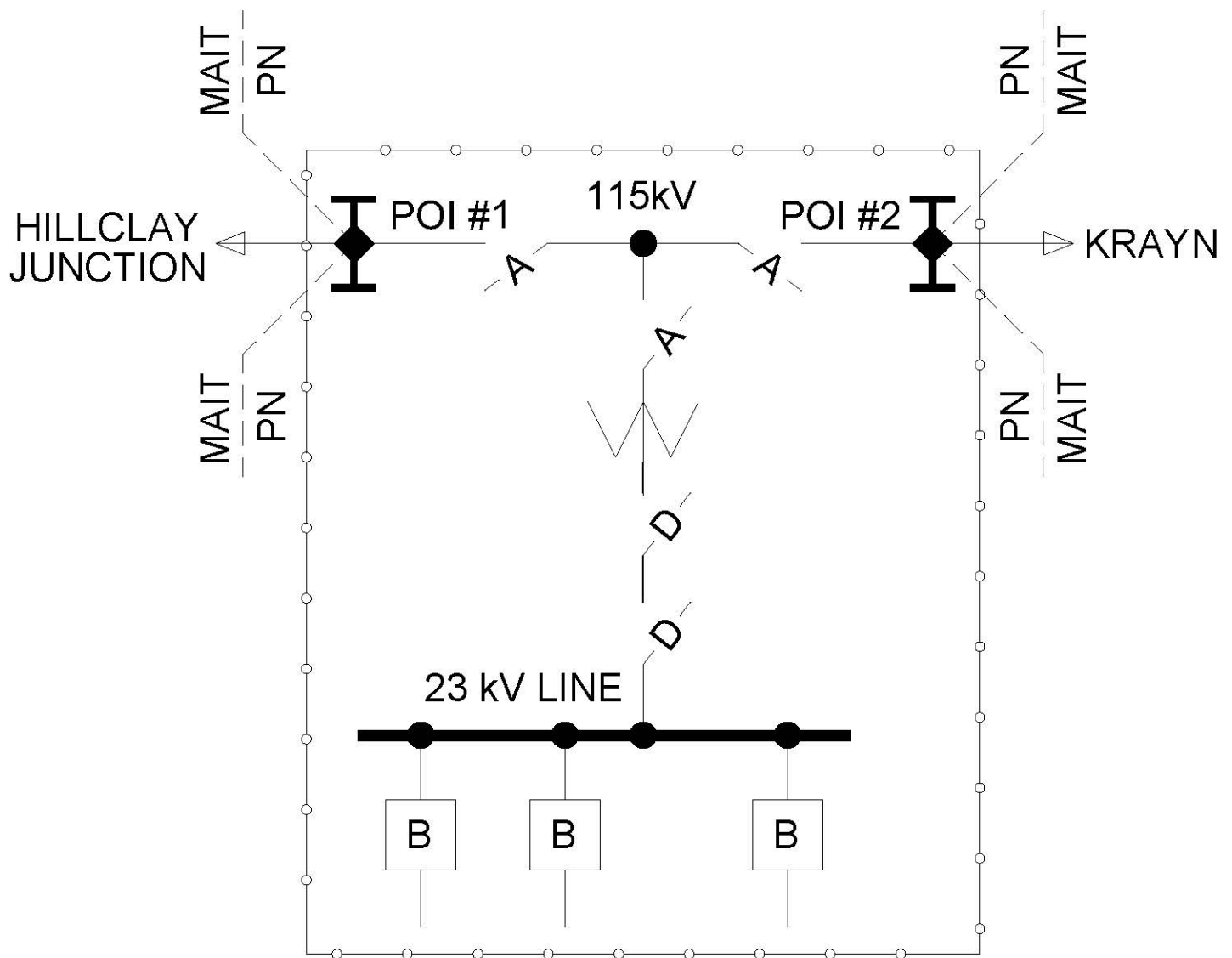
Energy Delivery Technical Services

TITLE
MAIT-PN INTERCONNECTIONS FOR SABINSVILLE SUBSTATION

BY: AMF / J L M	DATE: 07/30/2018
APP: LAP	ISSUE: FINAL

AGREEMENT
MAIT-PN ISA

DOC. ID	REV.
PN-334-93-01	2



SALIX SUBSTATION

◆ = POI #1 LOCATED AT DEAD-END.

POI #2 LOCATED AT DEAD-END.

OPERATIONAL METERING WILL BE OWNED, OPERATED, AND MAINTAINED BY THE PARTY OWNING THE METERING AND WILL BE PROVIDED TO RTO ICCP.

FirstEnergy

Energy Delivery Technical Services

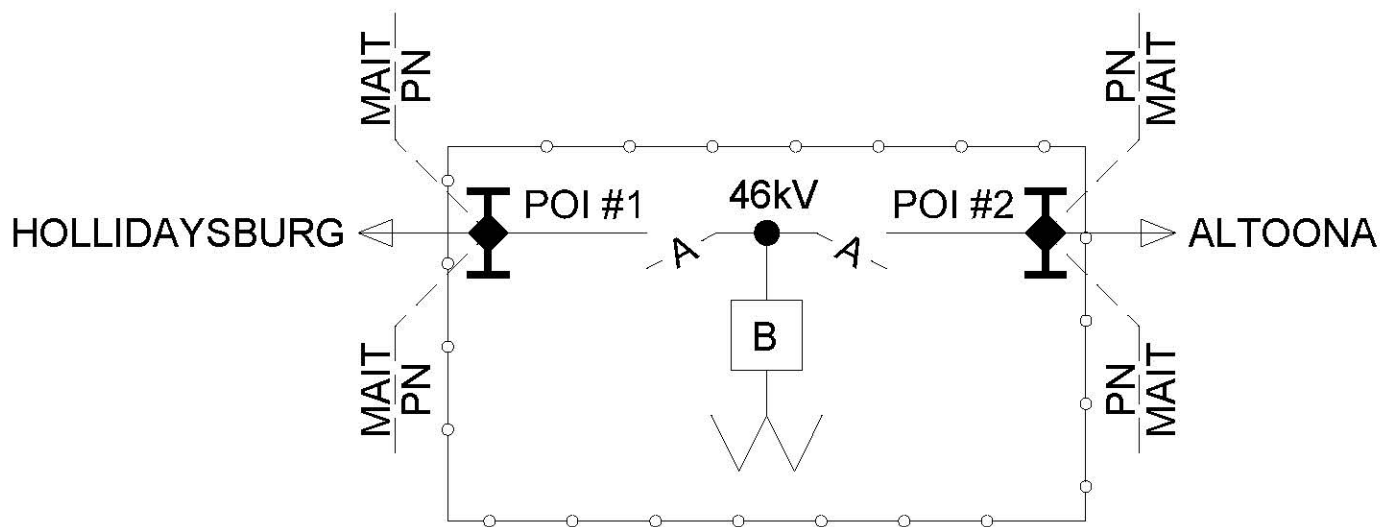
BY: AMF	DATE: 10/10/2016
APP: LAP	ISSUE: FINAL

MAIT-PN INTERCONNECTIONS FOR SALIX SUBSTATION

AGREEMENT
MAIT-PN ISA

DOC. ID
PN-336-93-01

REV.
-



SAMUEL CAR SHOP SUBSTATION

◆ = POI #1 LOCATED AT DEAD-END.

POI #2 LOCATED AT DEAD-END.

OPERATIONAL METERING WILL BE OWNED, OPERATED,
AND MAINTAINED BY THE PARTY OWNING THE
METERING AND WILL BE PROVIDED TO RTO ICCP.

FirstEnergy

Energy Delivery Technical Services

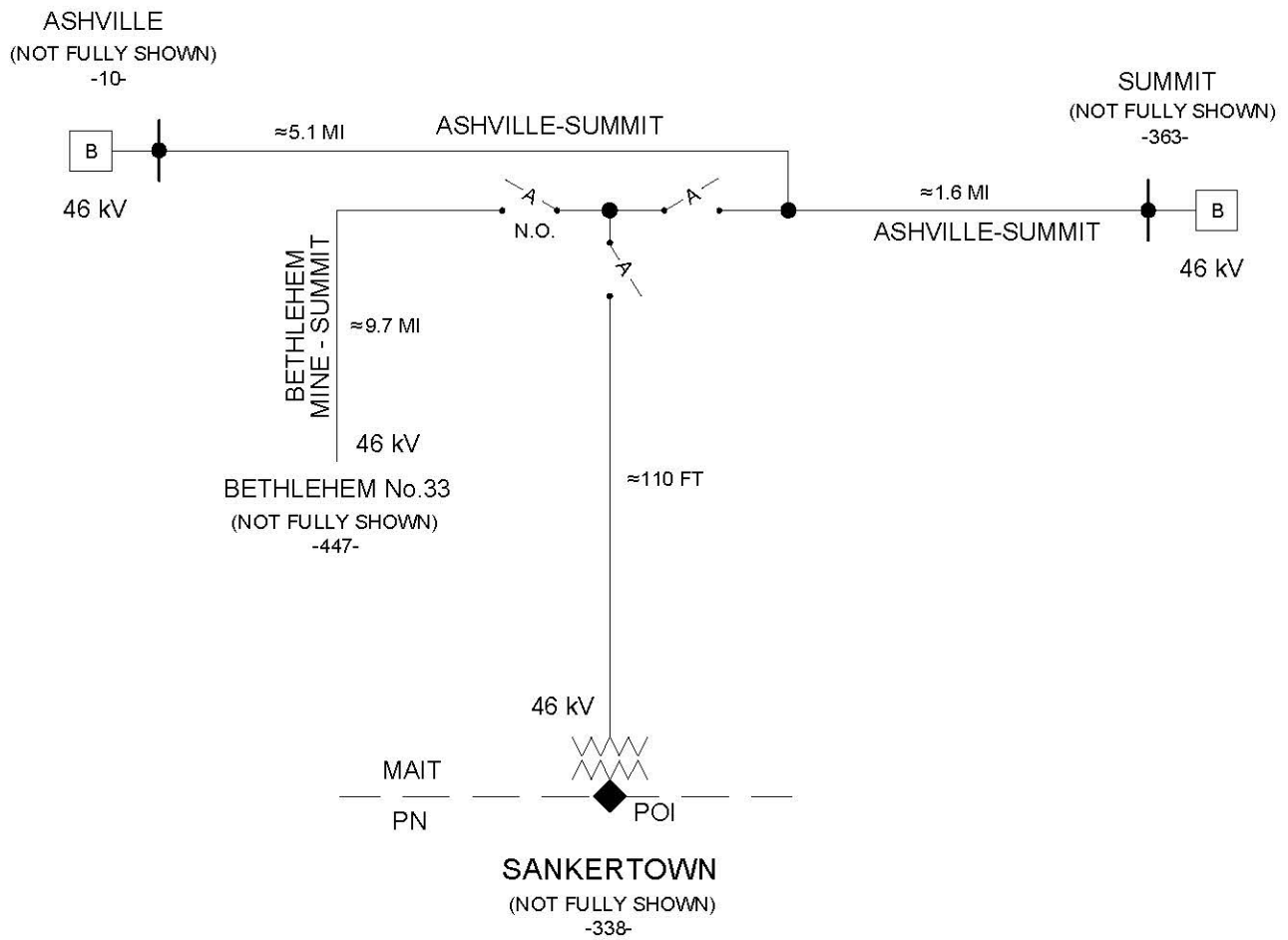
MAIT-PN INTERCONNECTIONS FOR SAMUEL CAR SHOP SUBSTATION

BY: AMF	DATE: 10/10/2016
APP: LAP	ISSUE: FINAL

AGREEMENT
MAIT-PN ISA

DOC. ID
PN-337-93-01

REV.
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◆ = POI, LOCATED ON THE SECONDARY SIDE BUSHINGS OF THE MAIT OWNED TRANSFORMER

OPERATIONAL METERING WILL BE OWNED, OPERATED, AND MAINTAINED BY THE PARTY OWNING THE METERING AND WILL BE PROVIDED TO RTO ICCP

FirstEnergy

Energy Delivery Technical Services

BY: J L M	DATE: 06/04/2018
APP: -	ISSUE: FINAL

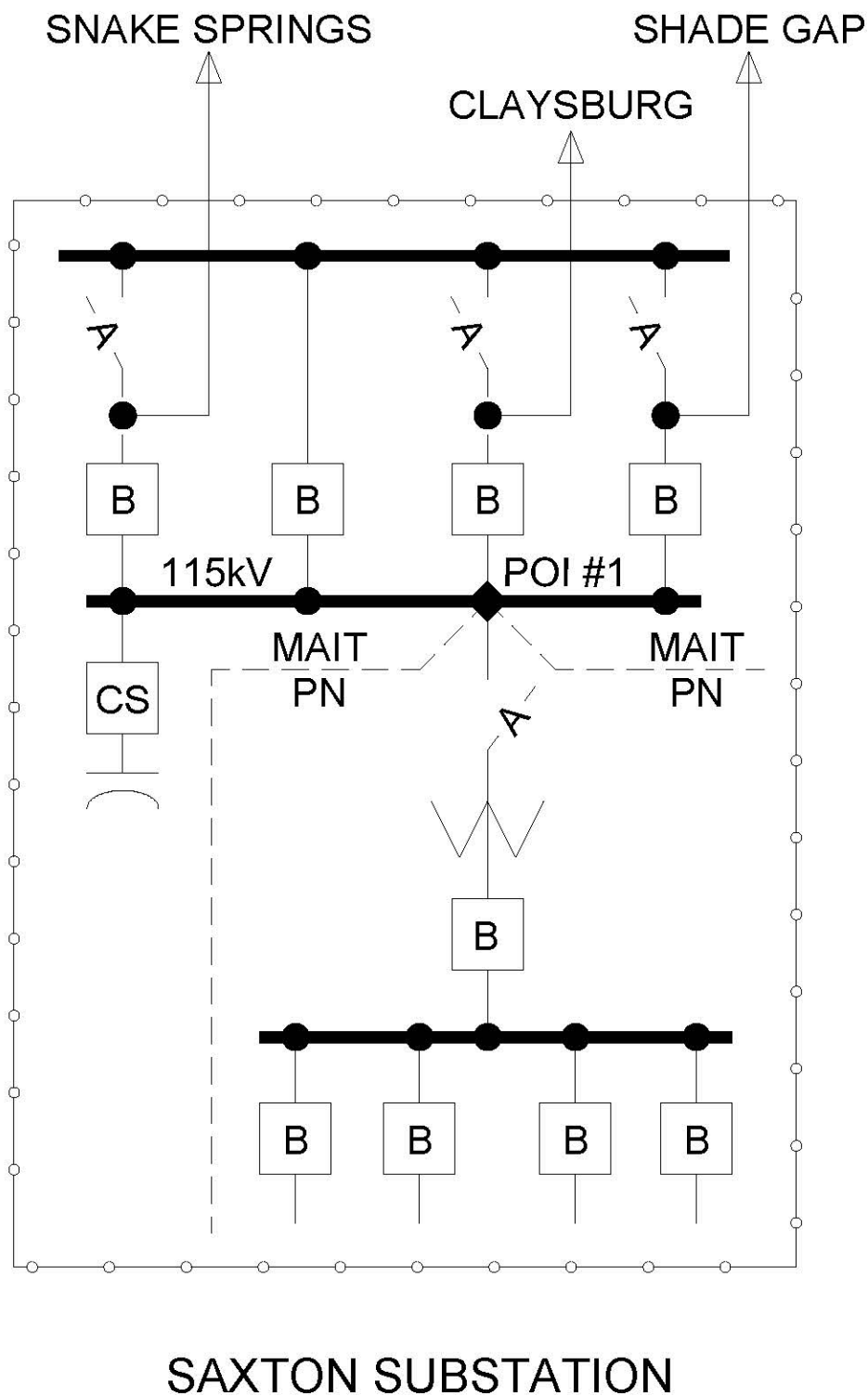
TITLE
**SANKERTOWN SUBSTATION INTERCONNECTIONS
TO THE ASHVILLE - SUMMIT AND BETHLEHEM MINE -SUMMIT 46 kV LINE**

AGREEMENT

DOC. ID
POI-MAIT-PN-338-93-01.dwg

REV.

-



◆ = POI #1 LOCATED AT BUS TAP FOR No6 TR CIRCUIT.

OPERATIONAL METERING WILL BE OWNED, OPERATED, AND MAINTAINED BY THE PARTY OWNING THE METERING AND WILL BE PROVIDED TO RTO ICCP.

FirstEnergy

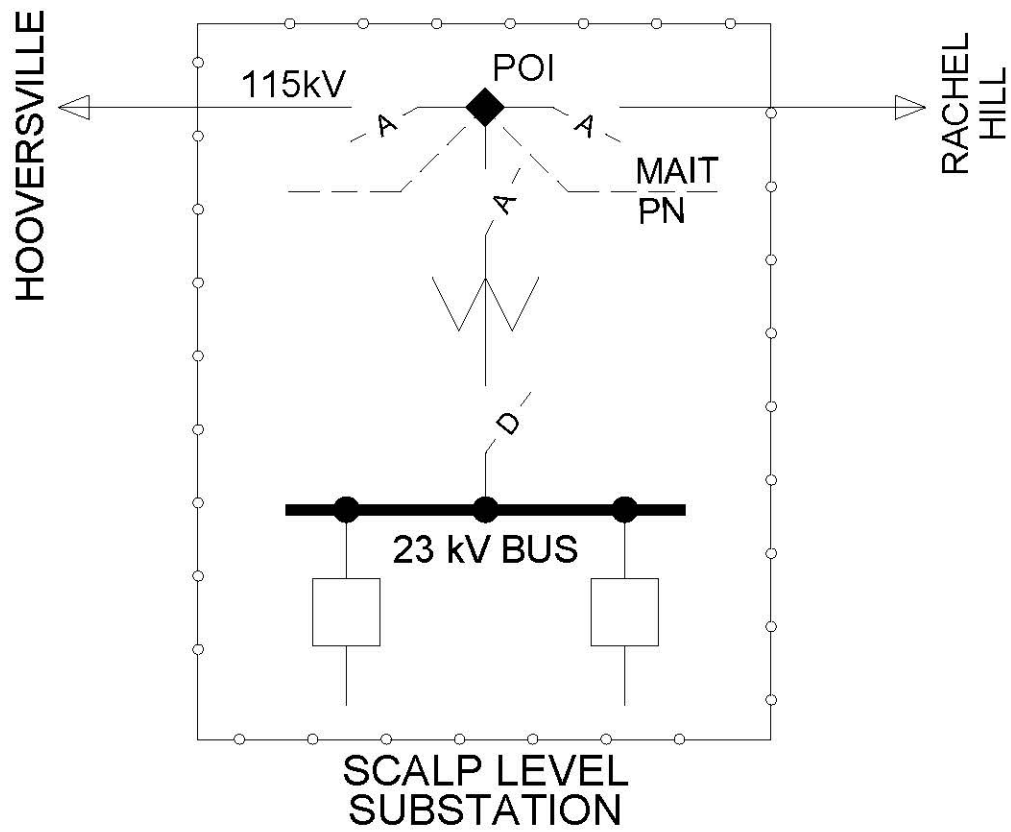
Energy Delivery Technical Services

TITLE
MAIT-PN INTERCONNECTIONS FOR SAXTON SUBSTATION

BY: AMF	DATE: 10/10/2016
APP: LAP	ISSUE: FINAL

AGREEMENT
MAIT-PN ISA

DOC. ID	REV.
PN-340-93-01	-



◆ = POI LOCATED AT TAP

OPERATIONAL METERING WILL BE OWNED, OPERATED, AND MAINTAINED BY THE PARTY OWNING THE METERING AND WILL BE PROVIDED TO RTO ICCP

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Energy Delivery Technical Services

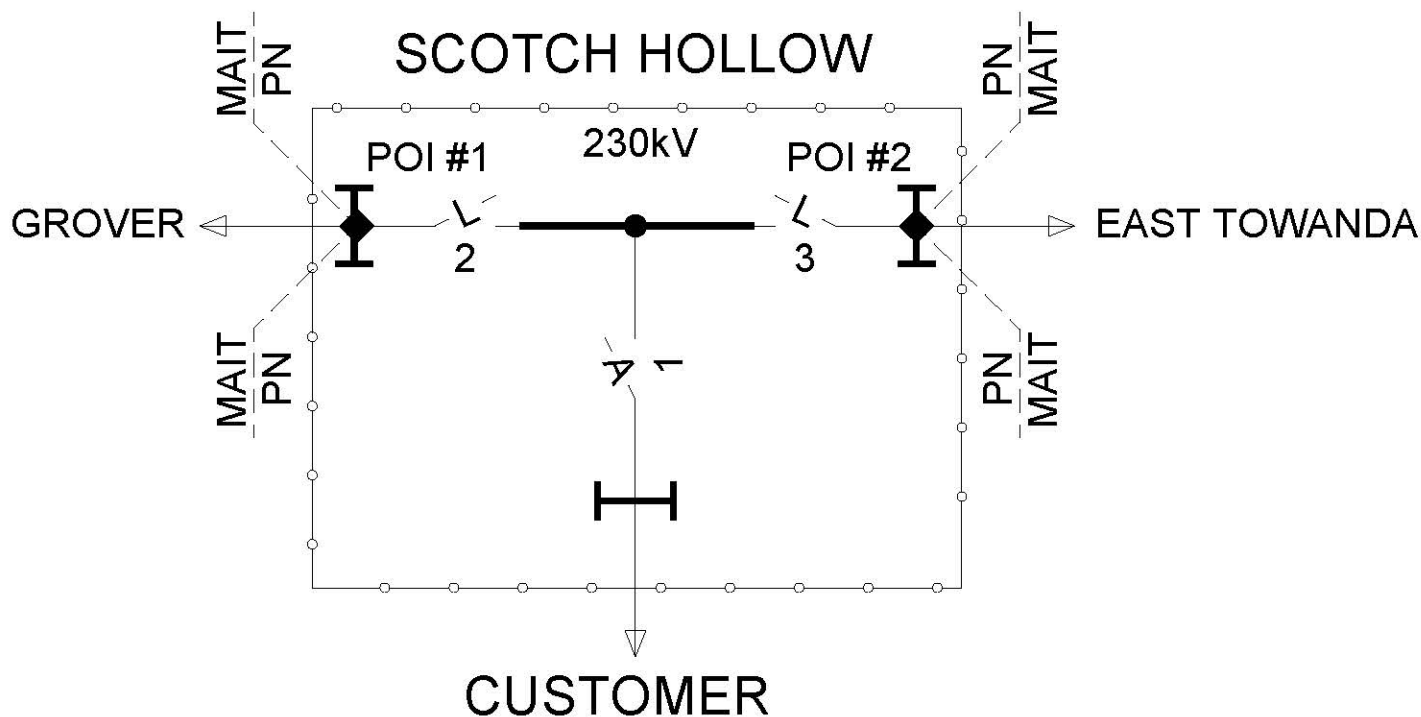
TITLE
MAIT-PN INTERCONNECTIONS FOR SCALP LEVEL SUBSTATION

BY: RJR	DATE: 8/19/2020
APP:	ISSUE: FINAL

AGREEMENT
MAIT-PN ISA

DOC. ID
PN-344-93-01

REV.
2



◆ = POI #1 LOCATED AT DEAD-END.

POI #2 LOCATED AT DEAD-END.

OPERATIONAL METERING WILL BE OWNED OPERATED AND MAINTAINED BY THE PARTY OWNING THE METERING AND WILL BE PROVIDED TO RTO ICCP

FirstEnergy

Energy Delivery Technical Services

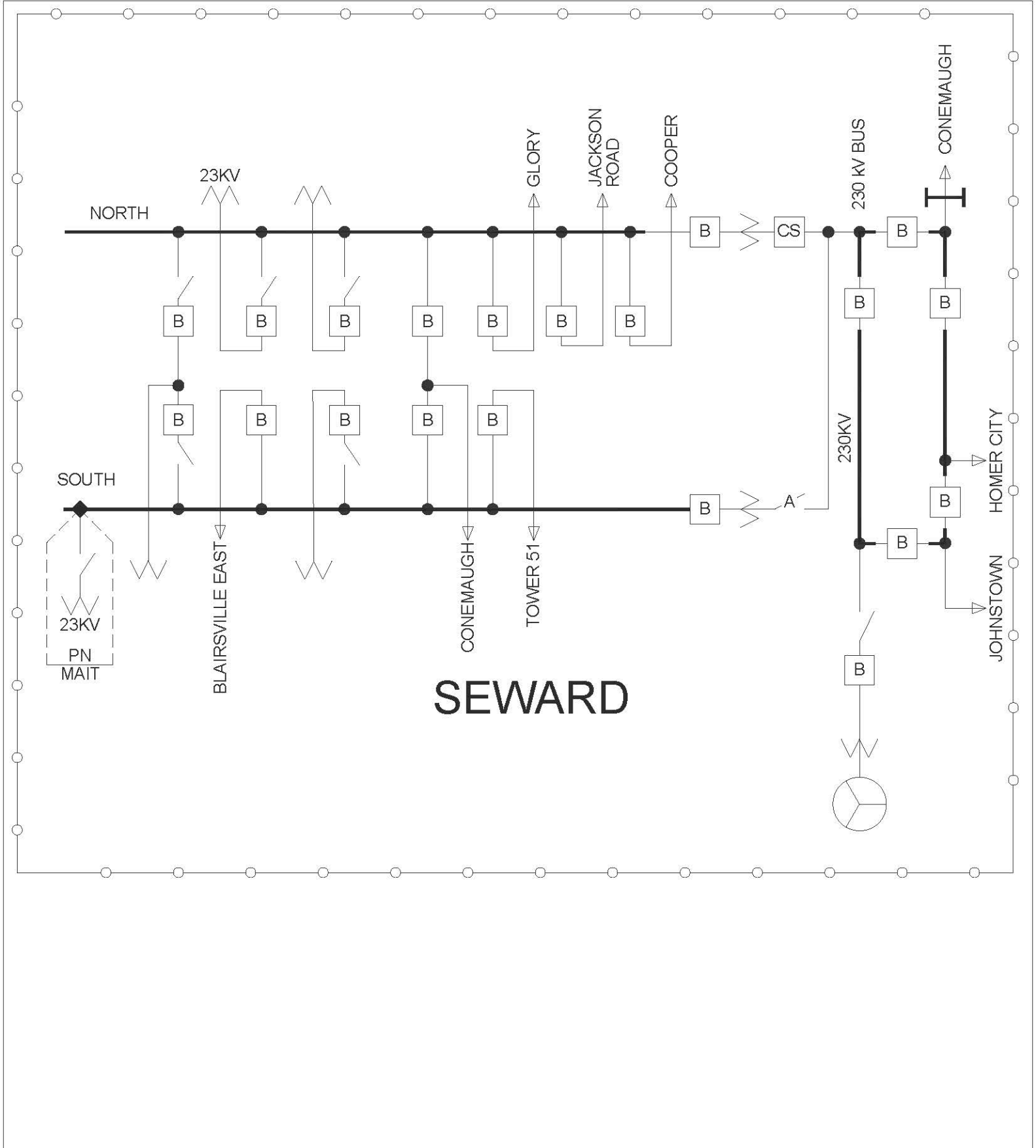
TITLE
MAIT-PN INTERCONNECTIONS FOR SCOTCH HOLLOW SUBSTATION

BY: AMF	DATE: 10/10/16
APP: LAP	ISSUE: FINAL

AGREEMENT
MAIT-PN ISA

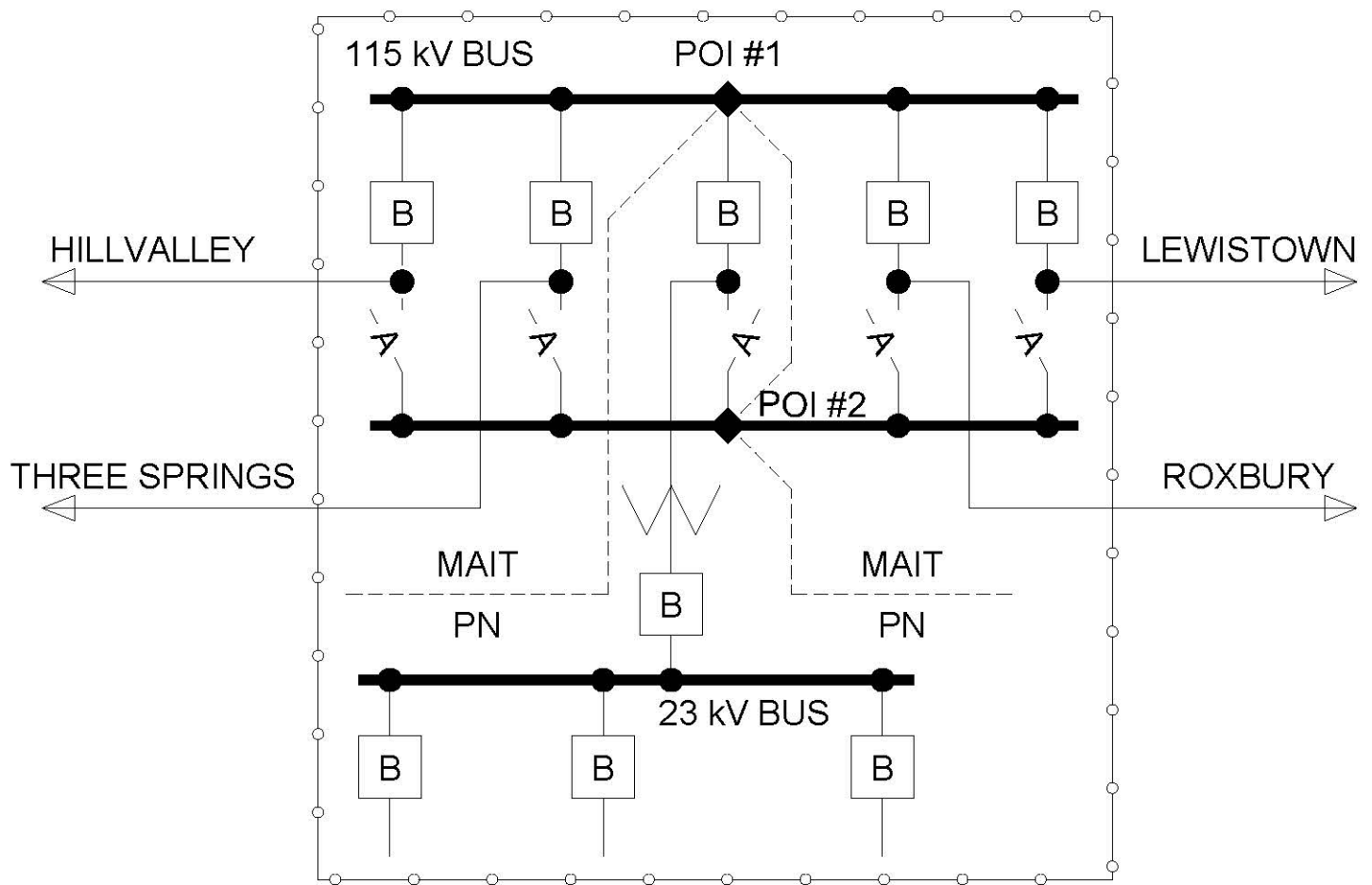
DOC. ID
PN-1157-93-02

REV.
-



◆ = POI #1 LOCATED AT SOUTH 115KV BUS TAP FOR No8 TR CIRCUIT.

OPERATIONAL METERING WILL BE OWNED OPERATED AND MAINTAINED BY THE PARTY OWNING THE METERING AND WILL BE PROVIDED TO RTO ICCP



SHADE GAP SUBSTATION

◆ = POI #1 LOCATED AT MAIN BUS TAP FOR No1 TR.

POI #2 LOCATED AT TRANSFER BUS TAP FOR No1 TR.

OPERATIONAL METERING WILL BE OWNED, OPERATED, AND MAINTAINED BY THE PARTY OWNING THE METERING AND WILL BE PROVIDED TO RTO ICCP.

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Energy Delivery Technical Services

MAIT-PN INTERCONNECTIONS FOR SHADE GAP SUBSTATION

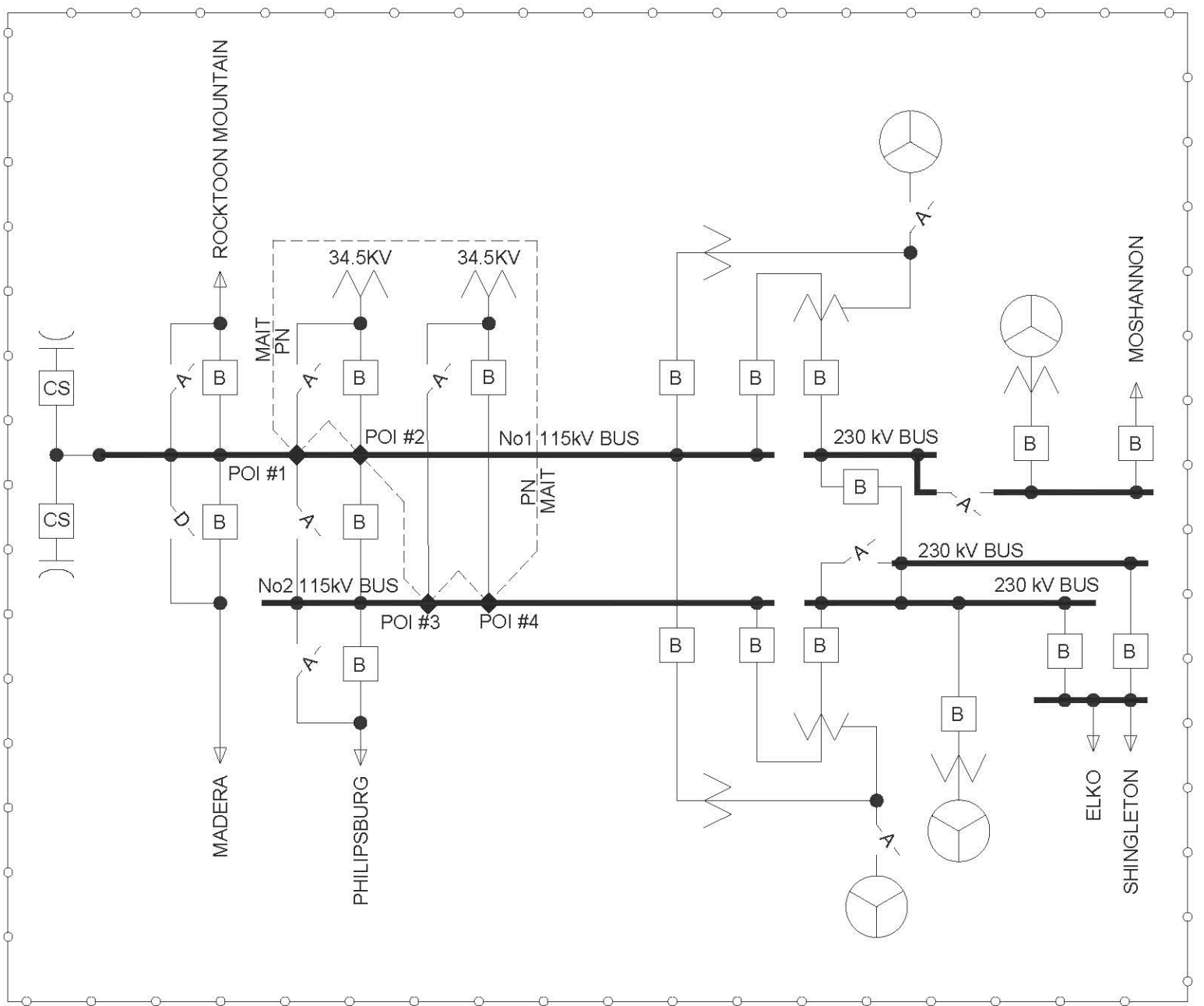
BY: AMF
APP: LAP

DATE: 10/10/2016
ISSUE: FINAL

AGREEMENT
MAIT-PN ISA

DOC. ID
PN-348-93-01

REV.
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SHAWVILLE SUBSTATION

◆ = POI #1 LOCATED AT No1 115KV BUS TAP FOR No14 TR BYPASS SWITCH.

POI #2 LOCATED AT NO1 115KV BUS TAP FOR NO14 TR.

POI #3 LOCATED AT No2 115KV BUS TAP FOR No15 TR BYPASS SWITCH.

POI #4 LOCATED AT NO2 115KV BUS TAP FOR NO15 TR.

OPERATIONAL METERING WILL BE OWNED, OPERATED, AND MAINTAINED BY THE PARTY OWNING THE METERING AND WILL BE PROVIDED TO RTO ICCP

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Energy Delivery Technical Services

BY: AMF DATE: 10/10/16

APP: LAP ISSUE: FINAL

TITLE

MAIT-PN INTERCONNECTIONS FOR SHAWVILLE SUBSTATION

AGREEMENT

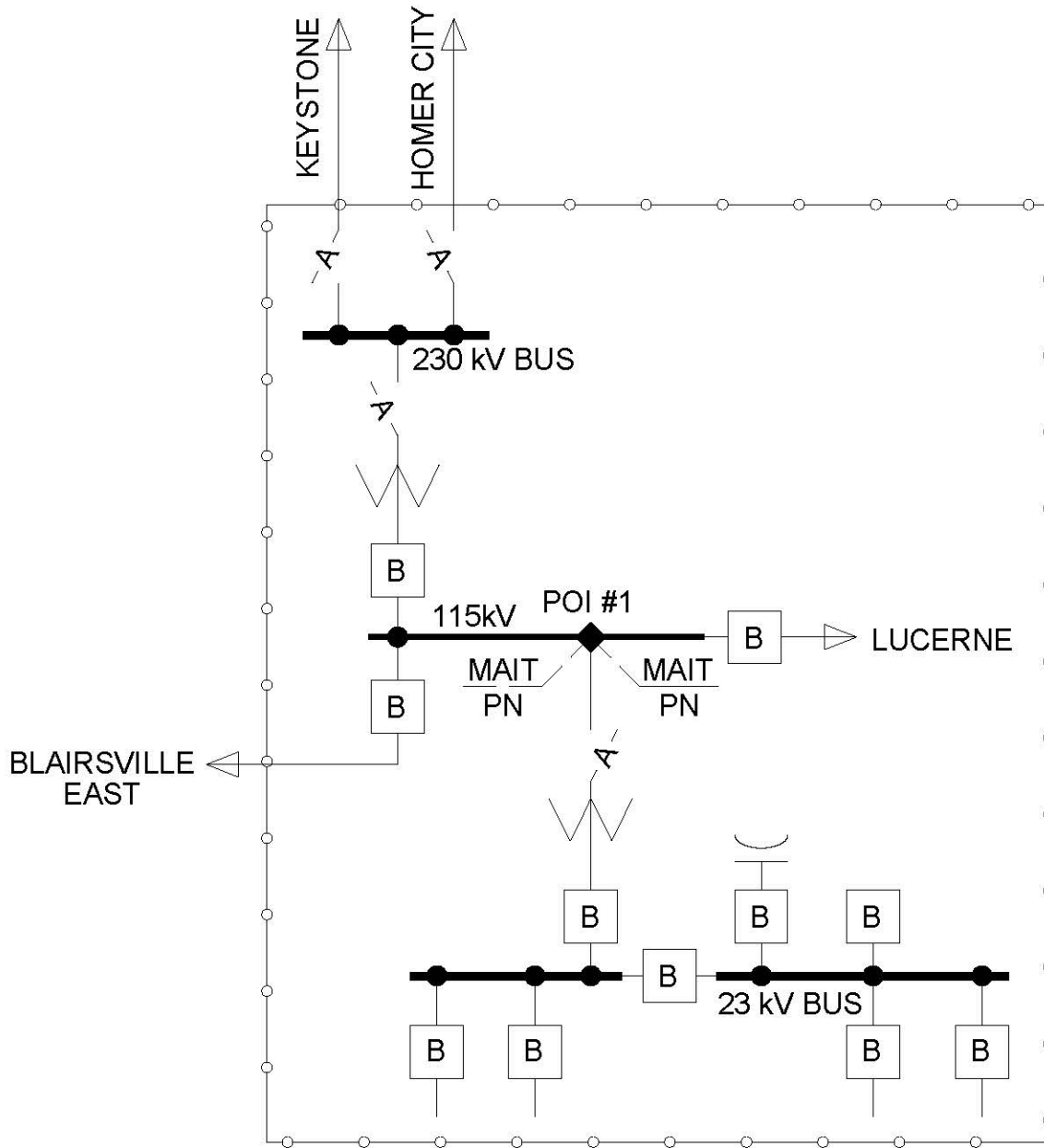
MAIT-PN ISA

DOC. ID

PN-351-93-02

REV.

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SHELOCTA SUBSTATION

◆ = POI #1 LOCATED AT BUS TAP FOR No1 TR.

OPERATIONAL METERING WILL BE OWNED, OPERATED, AND MAINTAINED BY THE PARTY OWNING THE METERING AND WILL BE PROVIDED TO RTO ICCP.

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Energy Delivery Technical Services

MAIT-PN INTERCONNECTIONS FOR SHELOCTA SUBSTATION

BY: AMF
APP: LAP

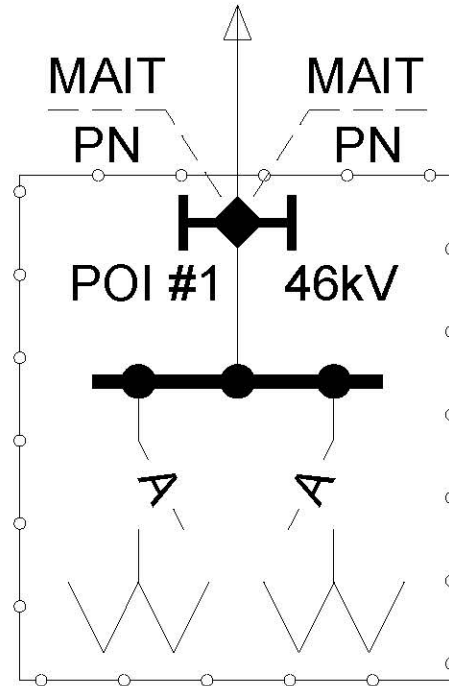
DATE: 10/10/2016
ISSUE: FINAL

AGREEMENT
MAIT-PN ISA

DOC. ID
PN-352-93-01

REV.
-

HILL VALLEY-HUNTINGDON-RAYSTOWN



SMITHFIELD SUBSTATION

◆ = POI #1 LOCATED AT DEAD-END.

OPERATIONAL METERING WILL BE OWNED, OPERATED, AND MAINTAINED BY THE PARTY OWNING THE METERING AND WILL BE PROVIDED TO RTO ICCP.

FirstEnergy

Energy Delivery Technical Services

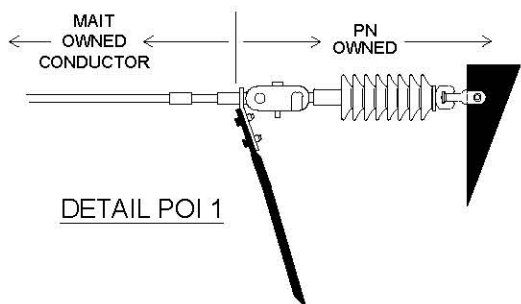
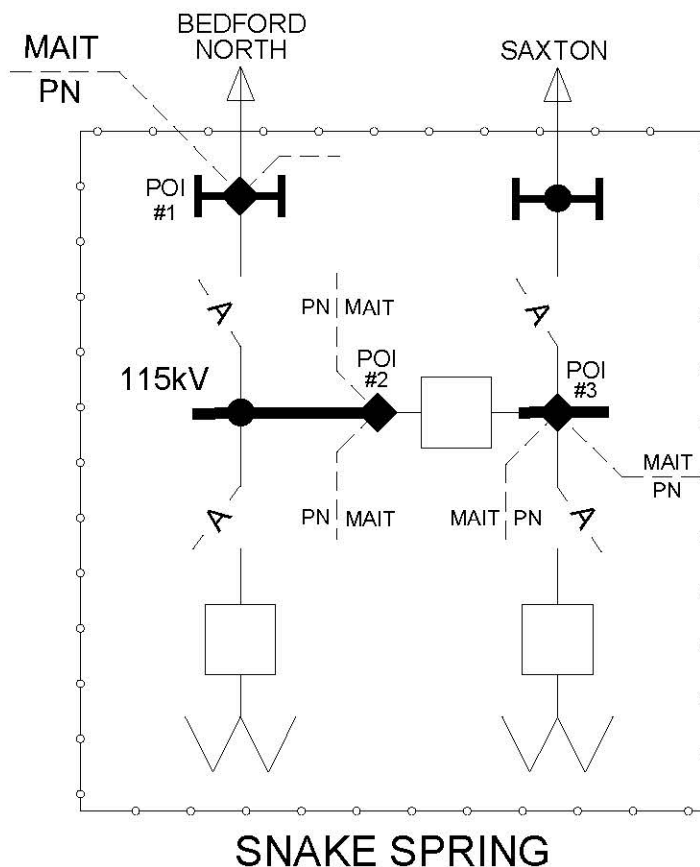
MAIT-PN INTERCONNECTIONS FOR SMITHFIELD SUBSTATION

BY: -	DATE: 10/10/2016
APP: LAP	ISSUE: FINAL

AGREEMENT
MAIT-PN ISA

DOC. ID
PN-356-93-0

REV.
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◆ = POI #1 (POINT OF INTERCONNECTION) LOCATED AT PENELEC (PN) OWNED 115 kV SUBSTATION DEAD-END STRUCTURE--SEE DETAIL

POI #2 (POINT OF INTERCONNECTION) LOCATED AT THE 115 kV BUS-TIE BREAKER, ON THE BEDFORD NORTH SIDE BREAKER TERMINATIONS

POI #3 (POINT OF INTERCONNECTION) LOCATED AT THE PENELEC (PN) TRANSFORMER BUS-TAP ON THE MAIT OWNED, SAXTON SIDE OF THE SUBSTATION 115 kV BUS

FirstEnergy

Energy Delivery Technical Services

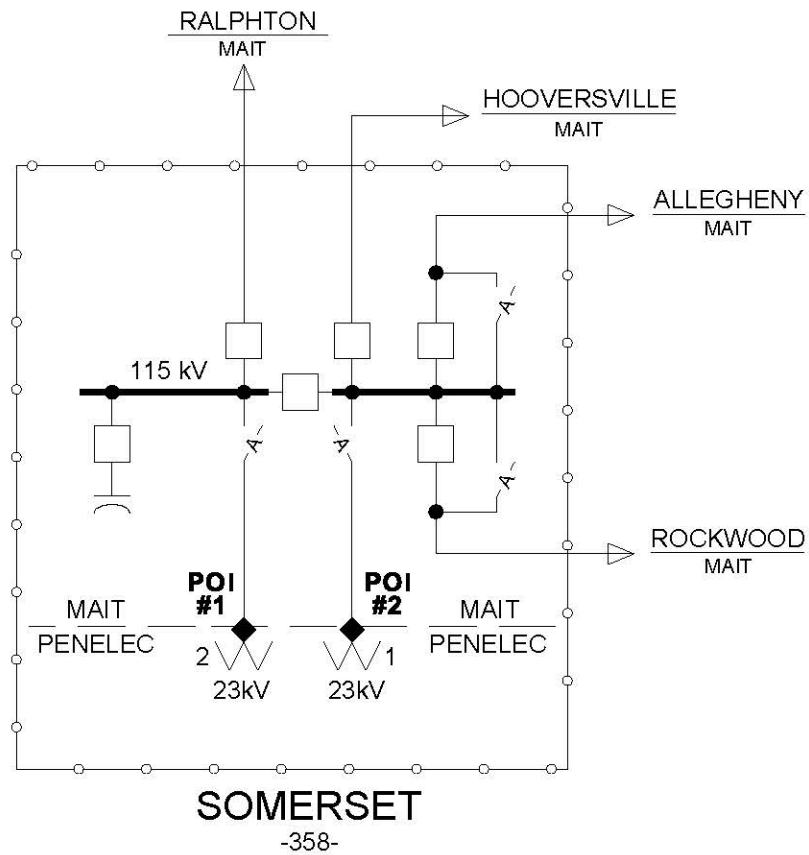
MAIT - PN INTERCONNECTION FOR SNAKE SPRINGS SUBSTATION

BY: J L M DATE: 1/17/2019
APP: - ISSUE: FINAL

AGREEMENT
MAIT-PN ISA

DOC. ID
PN-357-93-01

REV.
2



◆ = POI #1, (POINT OF INTERCONNECTION) LOCATED AT TRANSFORMER No.2, 115 kV TERMINATIONS

= POI #2, (POINT OF INTERCONNECTION) LOCATED AT TRANSFORMER No.1, 115 kV TERMINATIONS

FirstEnergy
Energy Delivery Technical Services

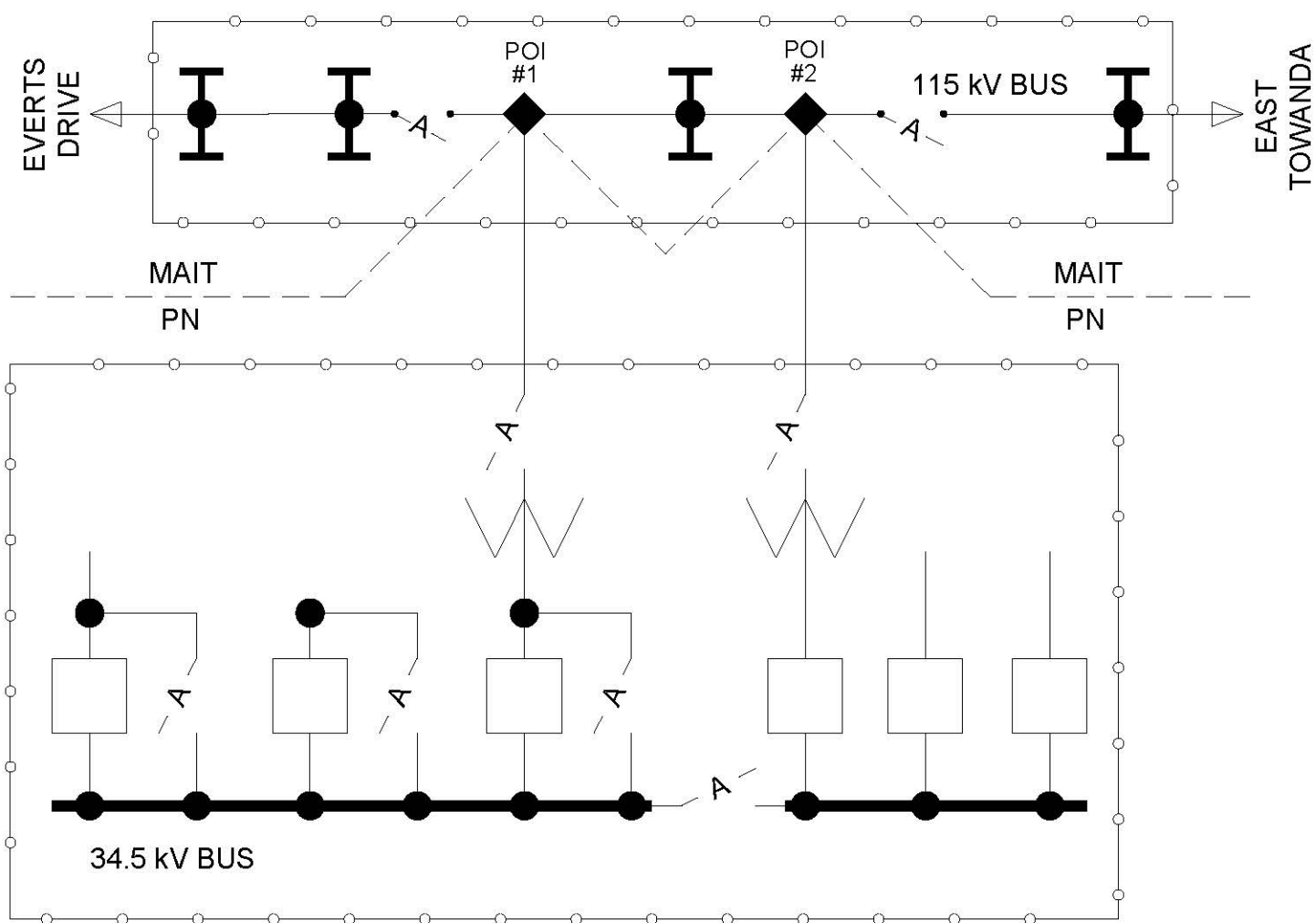
BY: J L M DATE: 06/05/2018
APP: - ISSUE: FINAL

TITLE
**MAIT - PENELEC INTERCONNECTIONS AT THE
SOMERSET SUBSTATION**

AGREEMENT

DOC. ID
POI-MAIT-PN-358-93-01.dwg

REV.
1



SOUTH TROY SUBSTATION

◆ = POI #1 & POI #2, LOCATED AT EVERTS DRIVE-EAST TOWANDA
115 kV LINE

FirstEnergy

Energy Delivery Technical Services

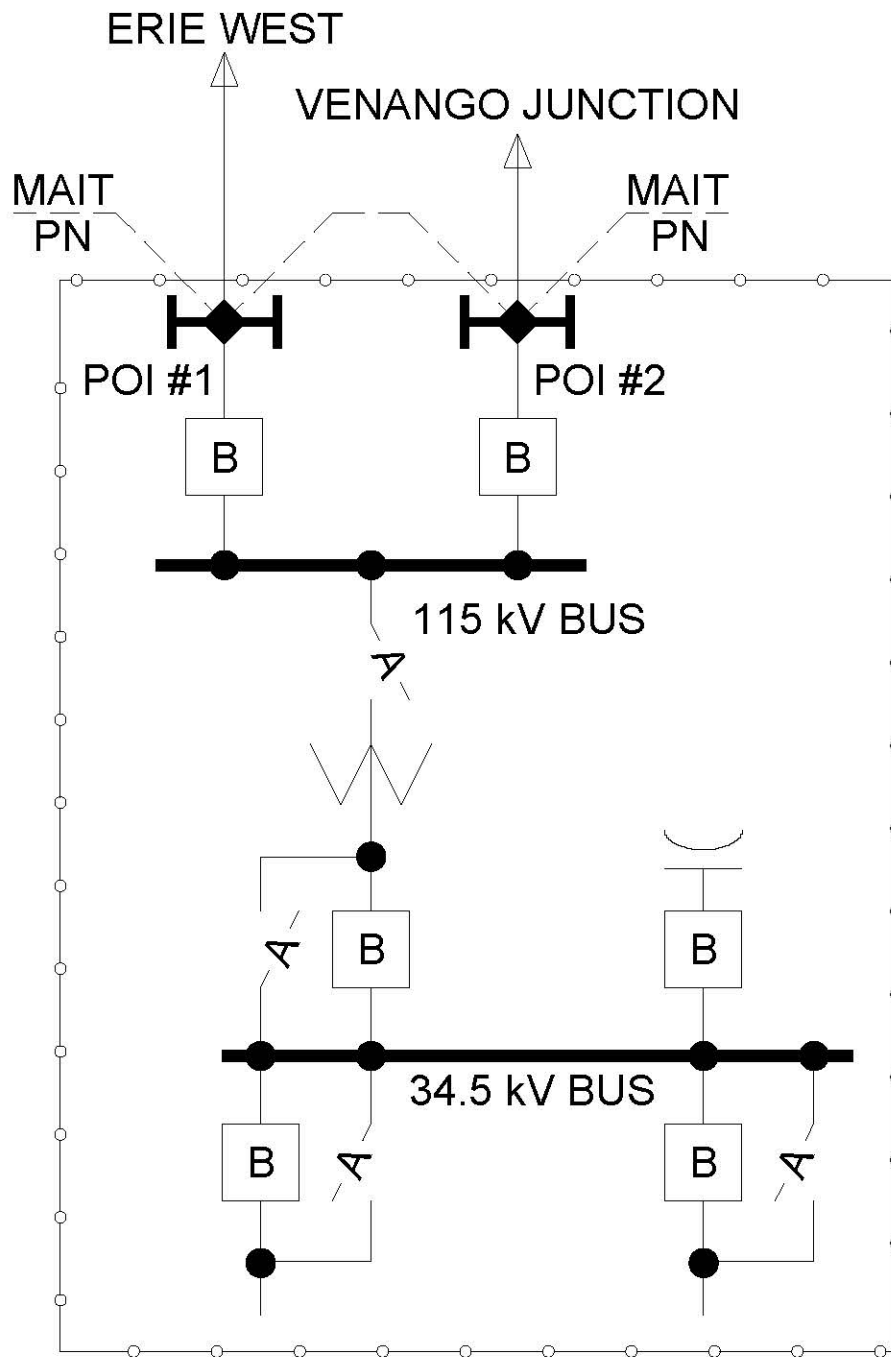
MAIT-PN INTERCONNECTIONS FOR SOUTH TROY SUBSTATION

BY: AMF / J L M DATE: 11/27/2017
APP: LAP ISSUE: FINAL

AGREEMENT
MAIT-PN ISA

DOC. ID
PN-362-93-01

REV.
2



SPRINGBORO SUBSTATION

◆ = POI #1 LOCATED AT DEAD-END.

POI #2 LOCATED AT DEAD-END.

OPERATIONAL METERING WILL BE OWNED, OPERATED, AND MAINTAINED BY THE PARTY OWNING THE METERING AND WILL BE PROVIDED TO RTO ICCP.

FirstEnergy

Energy Delivery Technical Services

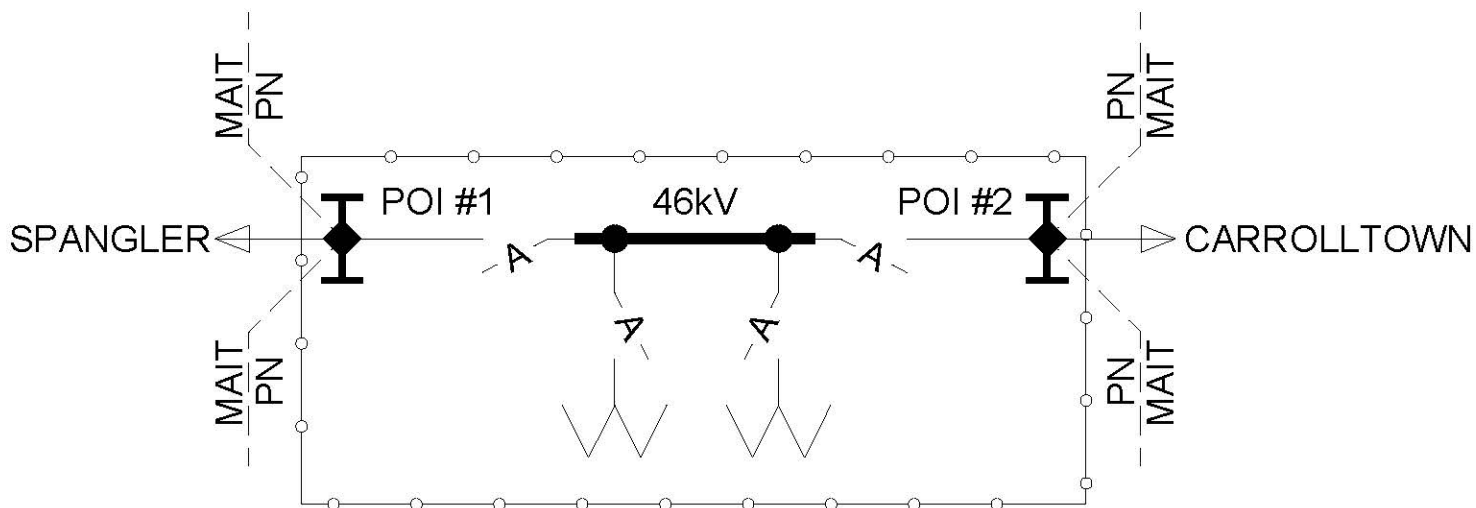
MAIT-PN INTERCONNECTIONS FOR SPRINGBORO SUBSTATION

BY: AMF DATE: 10/10/2016
APP: LAP ISSUE: FINAL

AGREEMENT
MAIT-PN ISA

DOC. ID
PN-364-93-01

REV.
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ST BENEDICT SUBSTATION

◆ = POI #1 LOCATED AT DEAD-END.

POI #2 LOCATED AT DEAD-END.

OPERATIONAL METERING WILL BE OWNED, OPERATED,
AND MAINTAINED BY THE PARTY OWNING THE
METERING AND WILL BE PROVIDED TO RTO ICCP.

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Energy Delivery Technical Services

MAIT-PN INTERCONNECTS FOR ST BENEDICT SUBSTATION

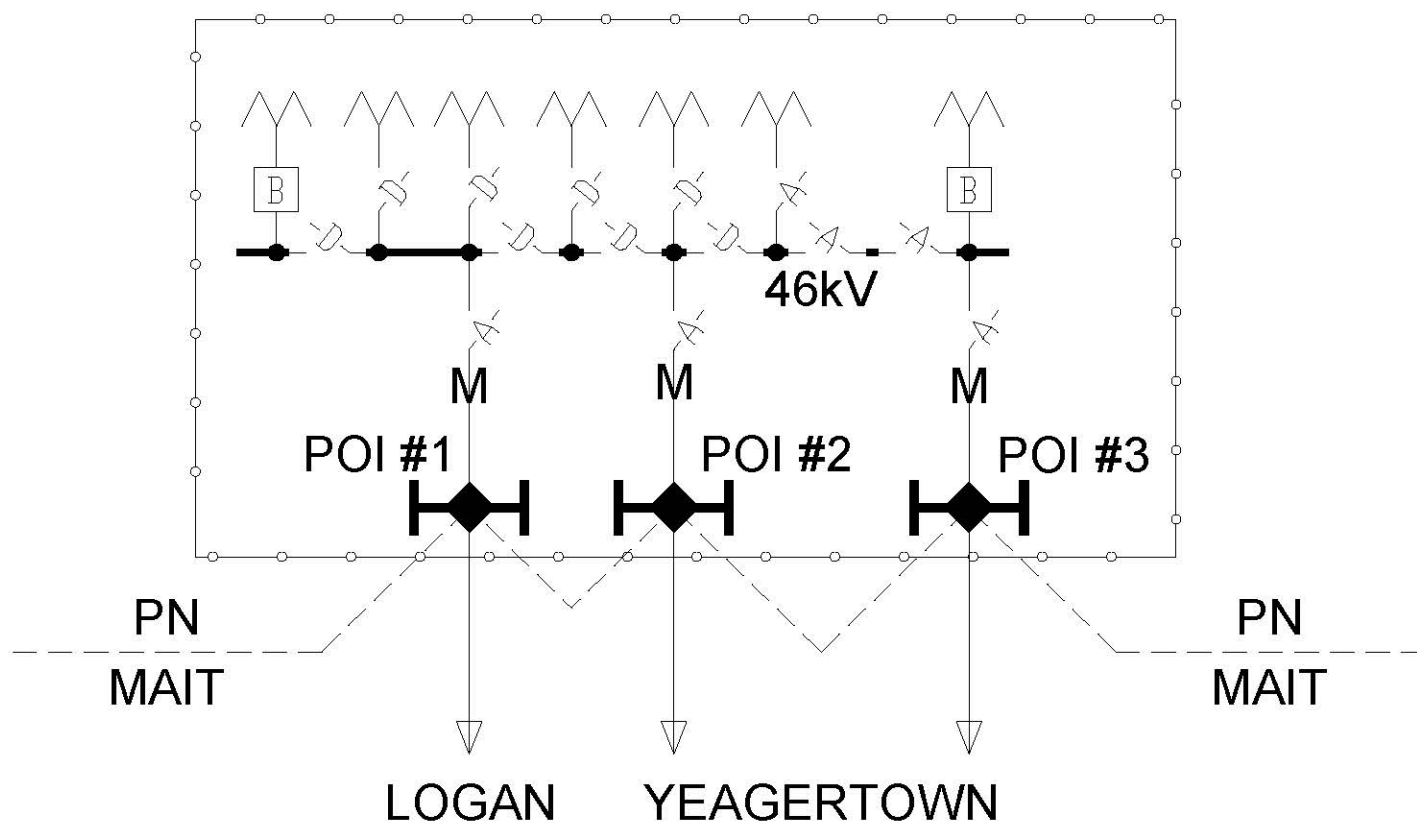
BY: -
APP: LAP

DATE: 10/10/2016
ISSUE: FINAL

AGREEMENT
MAIT-PN ISA

DOC. ID
PN-366-93-01

REV.
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STANDARD STEEL SUBSTATION

◆ = POI #1 LOCATED AT CUSTOMER DEAD-END.

POI #2 LOCATED AT CUSTOMER DEAD-END.

POI #3 LOCATED AT CUSTOMER DEAD-END.

M = REVENUE METERING IS OWNED, OPERATED, AND MAINTAIN BY PENELEC.

OPERATIONAL METERING IS OWNED, OPERATED, AND MAINTAINED BY THE PARTY OWNING THE METERING AND WILL BE PROVIDED TO RTO ICCP

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MAIT INTERCONNECTIONS FOR STANDARD STEEL SUBSTATION

BY: AMF
APP: LAP

DATE: 10/11/16
ISSUE: FINAL

AGREEMENT
MAIT-PN ISA

DOC. ID
PN-2290-93-01

REV.
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OPERATIONAL METERING IS OWNED, OPERATED, AND MAINTAINED BY THE PARTY OWNING THE METERING AND WILL BE PROVIDED TO RTO ICCP

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Energy Delivery Technical Services

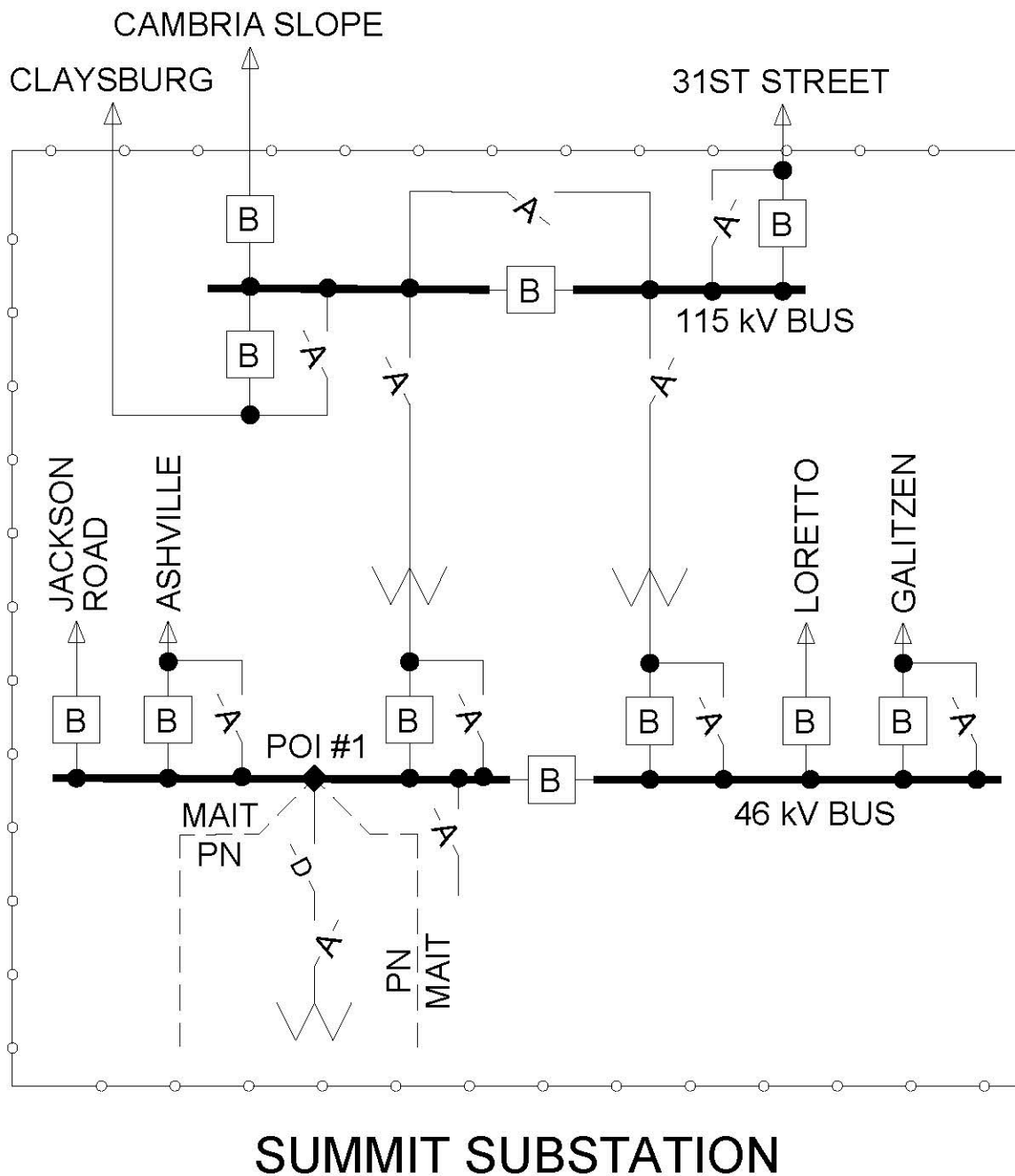
BY: -	DATE: 10/10/2016
APP: LAP	ISSUE: FINAL

MAIT-PN INTERCONNECTIONS AT STRODES MILL SUBSTATION

AGREEMENT
MAIT-PN ISA

DOC. ID
PN-369-93-01

REV.



◆ = POI #1 LOCATED AT BUS TAP FOR N#3 TR CIRCUIT.

OPERATIONAL METERING WILL BE OWNED, OPERATED, AND MAINTAINED BY THE PARTY OWNING THE METERING AND WILL BE PROVIDED TO RTO ICCP.

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Energy Delivery Technical Services

BY: AMF	DATE: 10/10/2016
APP: LAP	ISSUE: FINAL

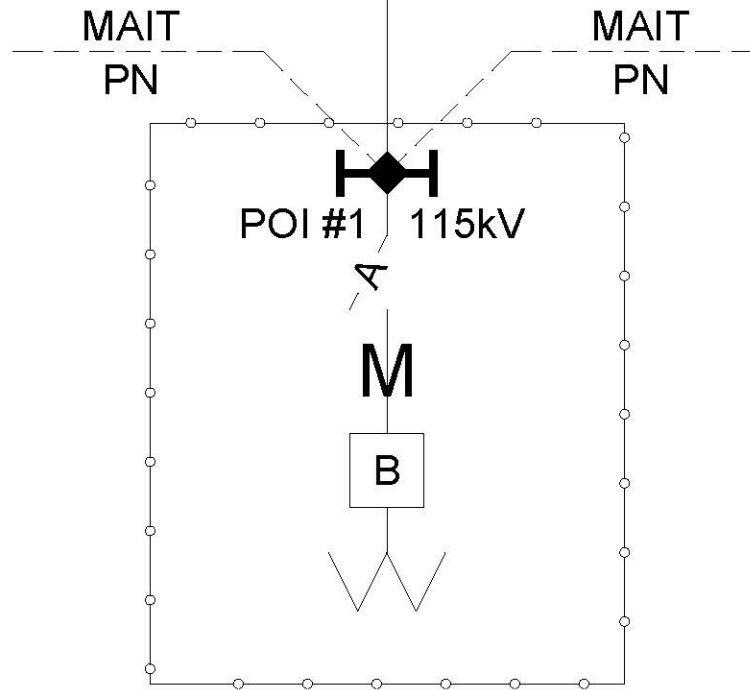
TITLE
MAIT-PN INTERCONNECTIONS FOR SUMMIT SUBSTATION

AGREEMENT
MAIT-PN ISA

DOC. ID
PN-372-93-01

REV.
-

EVERTS DRIVE ← → EAST TOWANDA



TENNESSEE GAS PIPELINE SUBSTATION

◆ = POI #1 LOCATED AT CUSTOMER DEAD-END.

M = REVENUE METERING FOR IS OWNED, OPERATED, AND MAINTAIN BY PENELEC.

OPERATIONAL METERING IS OWNED, OPERATED, AND MAINTAINED BY THE PARTY OWNING THE METERING AND WILL BE PROVIDED TO RTO ICCP

FirstEnergy

Energy Delivery Technical Services

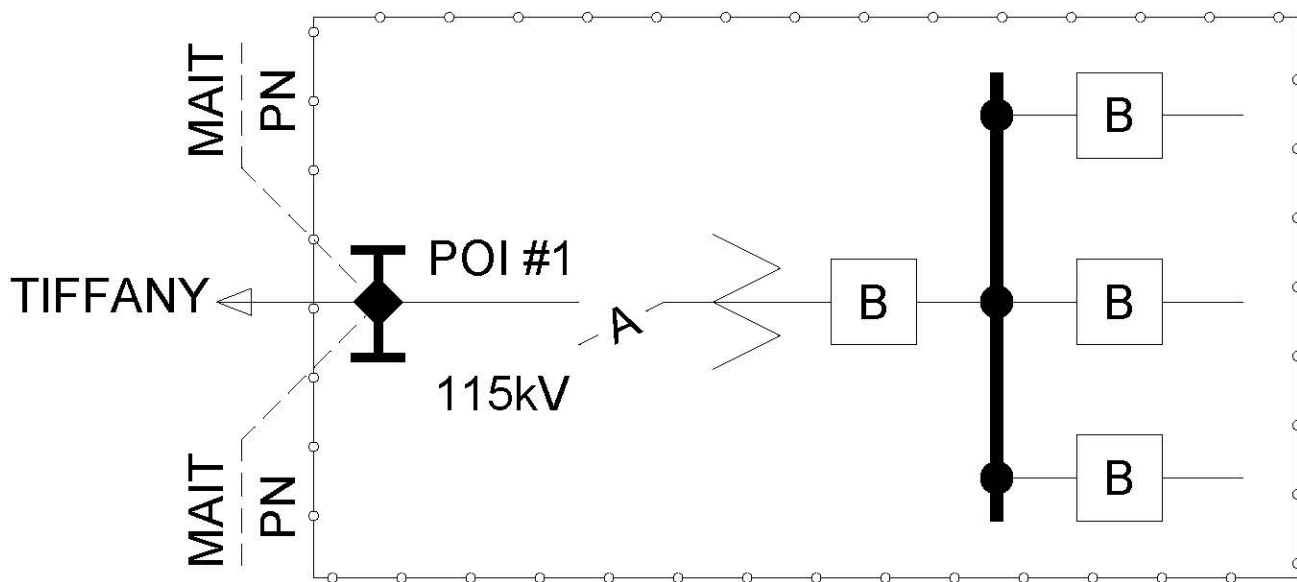
MAIT INTERCONNECTION FOR TENNESSEE GAS PIPELINE SUBSTATION

BY: AMF	DATE: 10/11/16
APP: LAP	ISSUE: FINAL

AGREEMENT
MAIT-PN ISA

DOC. ID
PN-3145-93-01

REV.
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THOMPSON SUBSTATION

◆ = POI #1 LOCATED AT DEAD-END.

OPERATIONAL METERING IS OWNED, OPERATED, AND MAINTAINED BY THE PARTY OWNING THE METERING AND WILL BE PROVIDED TO RTO ICCP

FirstEnergy

Energy Delivery Technical Services

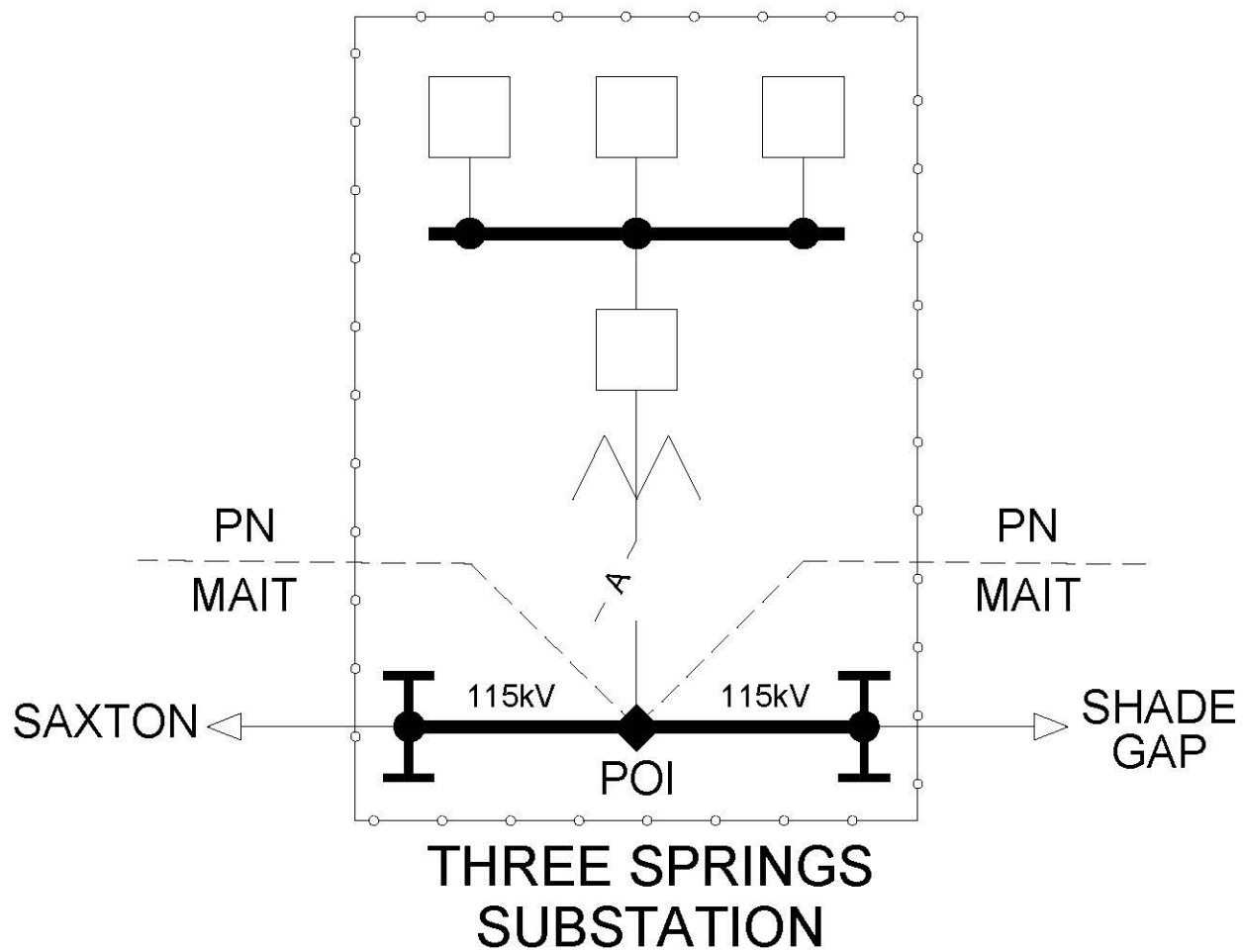
MAIT-PN INTERCONNECTIONS FOR THOMPSON SUBSTATION

BY: AMF	DATE: 10/10/2016
APP: LAP	ISSUE: FINAL

AGREEMENT
MAIT-PN ISA

DOC. ID
PN-381-93-01

REV.
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◆ = POI LOCATED AT THE TAP OF THE SAXTON-SHADE GAP
115 KV LINE

FirstEnergy[®]

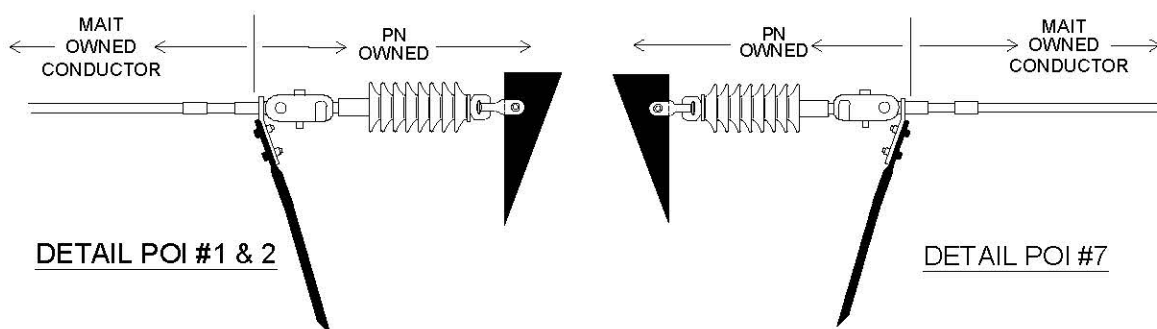
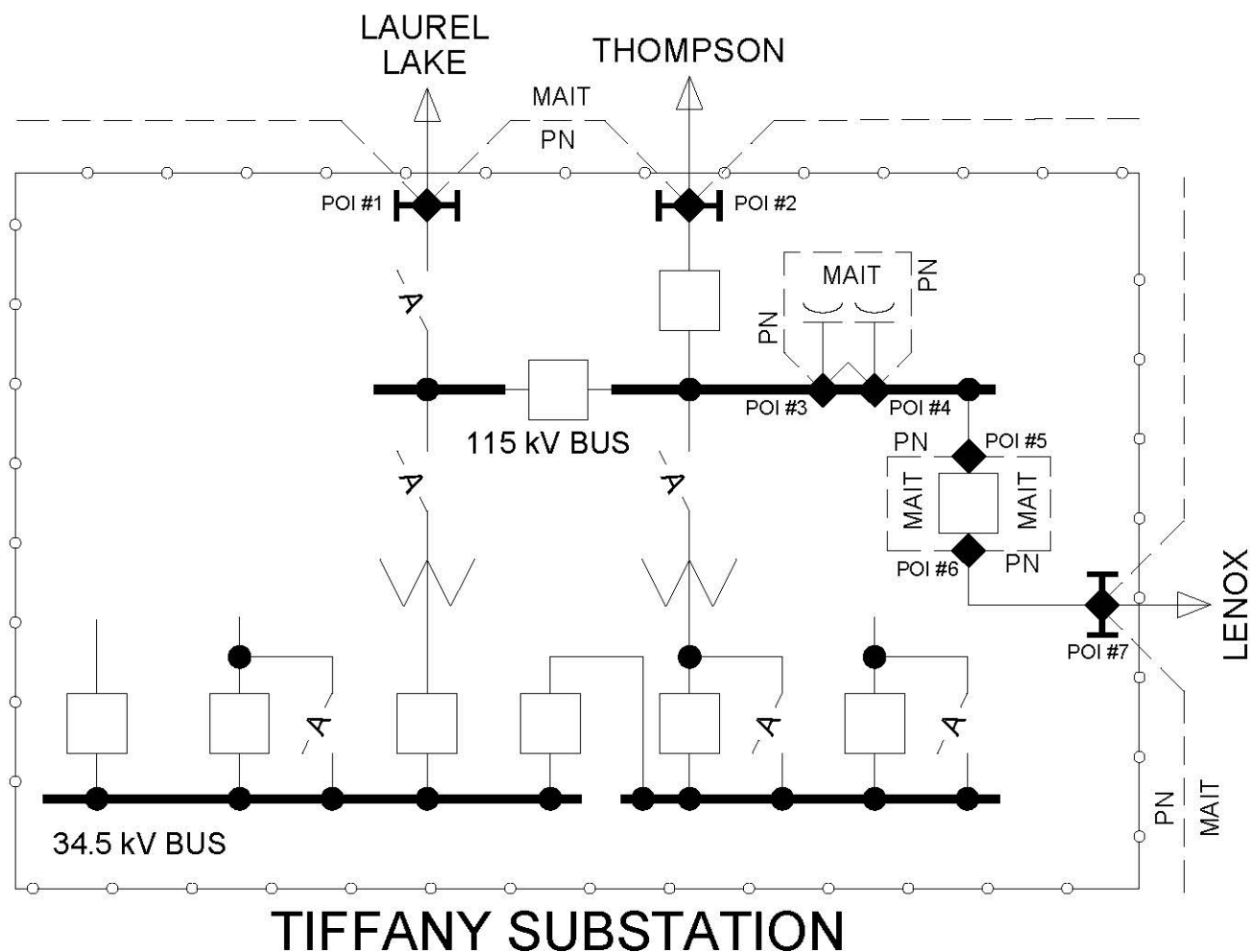
Energy Delivery Technical Services

TITLE
MAIT-PN INERCONNECTIONS FOR THREE SPRINGS SUBSTATION

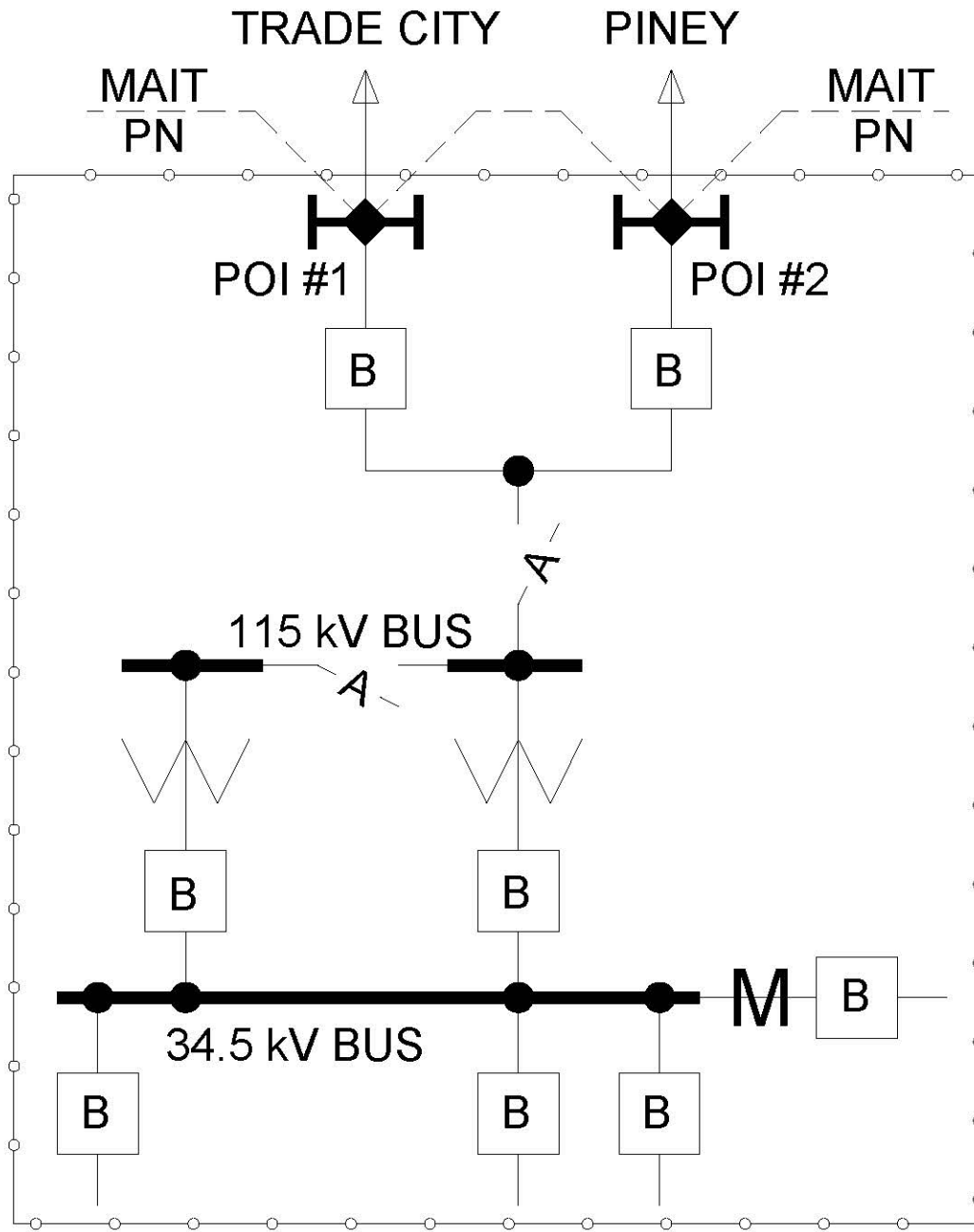
BY: AMF / J L M	DATE: 11/27/2017
APP: LAP	ISSUE: FINAL

AGREEMENT
MAIT-PN ISA

DOC. ID	REV.
PN-382-93-01	2



- ◆ = POI #1, POI #2, POI #7, LOCATED AT SUBSTATION 115 kV DEAD-END STRUCTURE
- POI #3, POI #4, LOCATED AT SUBSTATION 115 kV BUS
- POI #5, POI #6, LOCATED ON LINE AND LOAD SIDE TERMINALS, RESPECTIVELY



TIMBLIN SUBSTATION

◆ = POI #1 LOCATED AT DEAD-END.

POI #2 LOCATED AT DEAD-END.

OPERATIONAL METERING WILL BE OWNED, OPERATED, AND MAINTAINED BY THE PARTY OWNING THE METERING AND WILL BE PROVIDED TO RTO ICCP.

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Energy Delivery Technical Services

BY: - DATE: 10/10/2016
APP: LAP ISSUE: FINAL

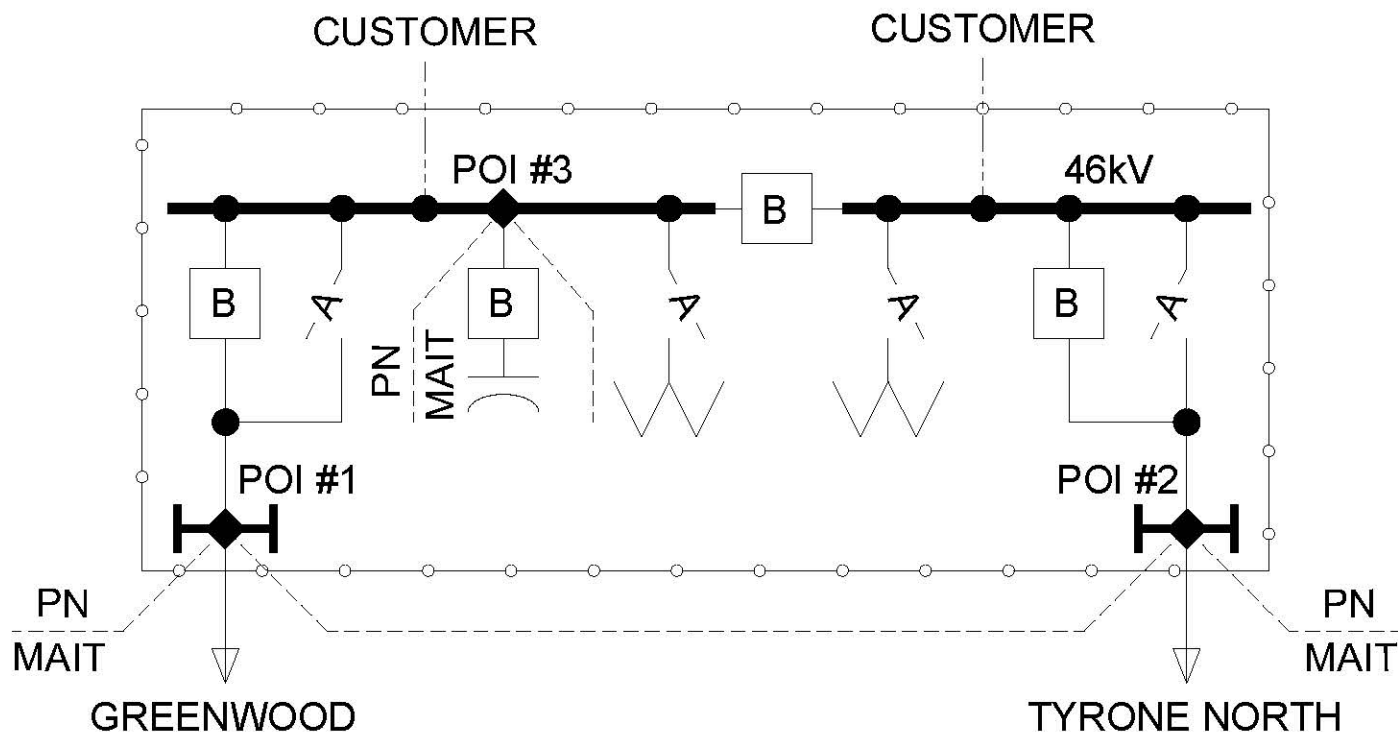
MAT-PN INTERCONNECTIONS FOR TIMBLIN SUBSTATION

AGREEMENT
MAT-PN ISA

DOC. ID
PN-384-93-01

REV.
-

Old Tipton - to be removed



TIPTON SUBSTATION

◆ = POI #1 LOCATED AT DEAD-END.

POI #2 LOCATED AT DEAD-END.

POI #3 LOCATED AT BUS TAP FOR CAPBANK.

OPERATIONAL METERING WILL BE OWNED, OPERATED, AND MAINTAINED BY THE PARTY OWNING THE METERING AND WILL BE PROVIDED TO RTO ICCP.

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Energy Delivery Technical Services

BY: AMF DATE: 10/10/2016
APP: LAP ISSUE: FINAL

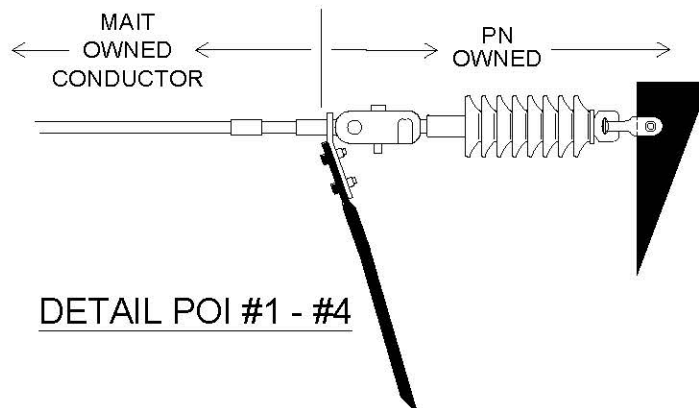
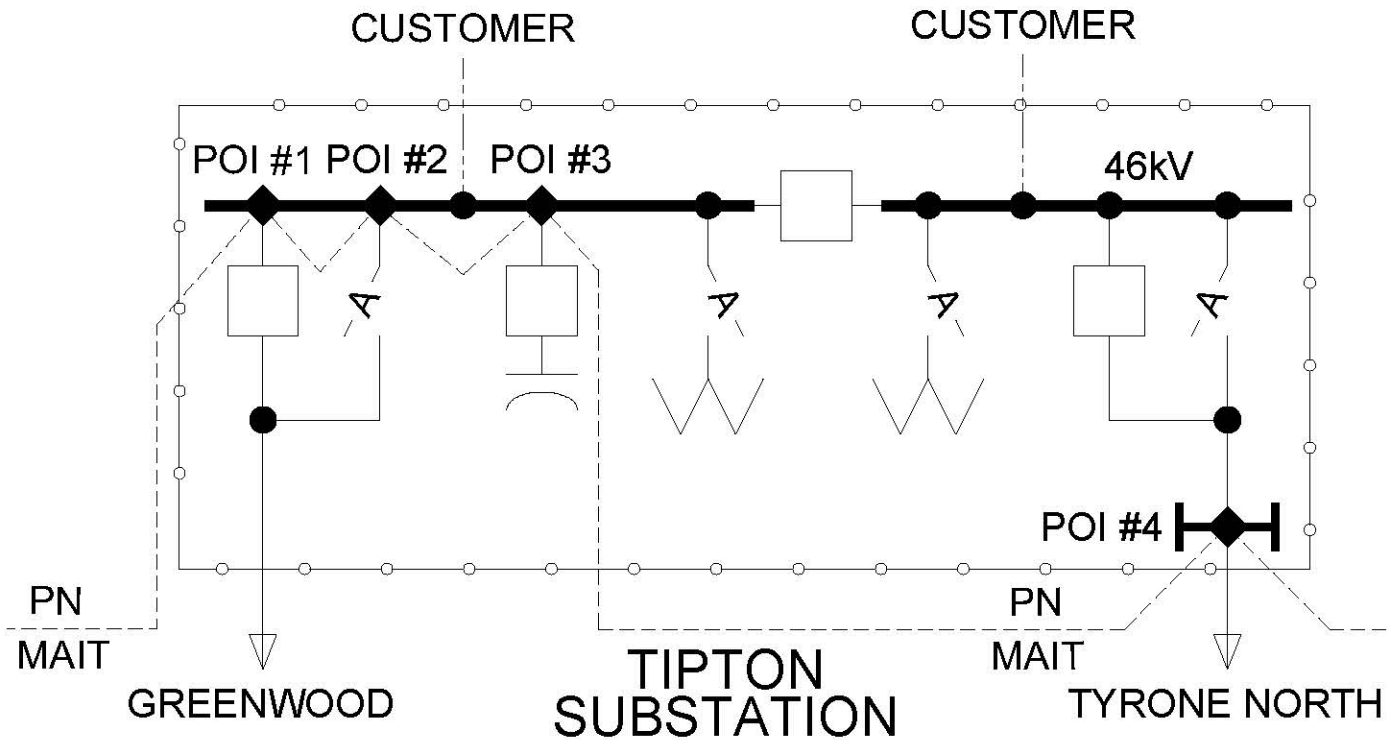
MAIT-PN INTERCONNECTIONS FOR TIPTON SUBSTATION

AGREEMENT
MAIT-PN ISA

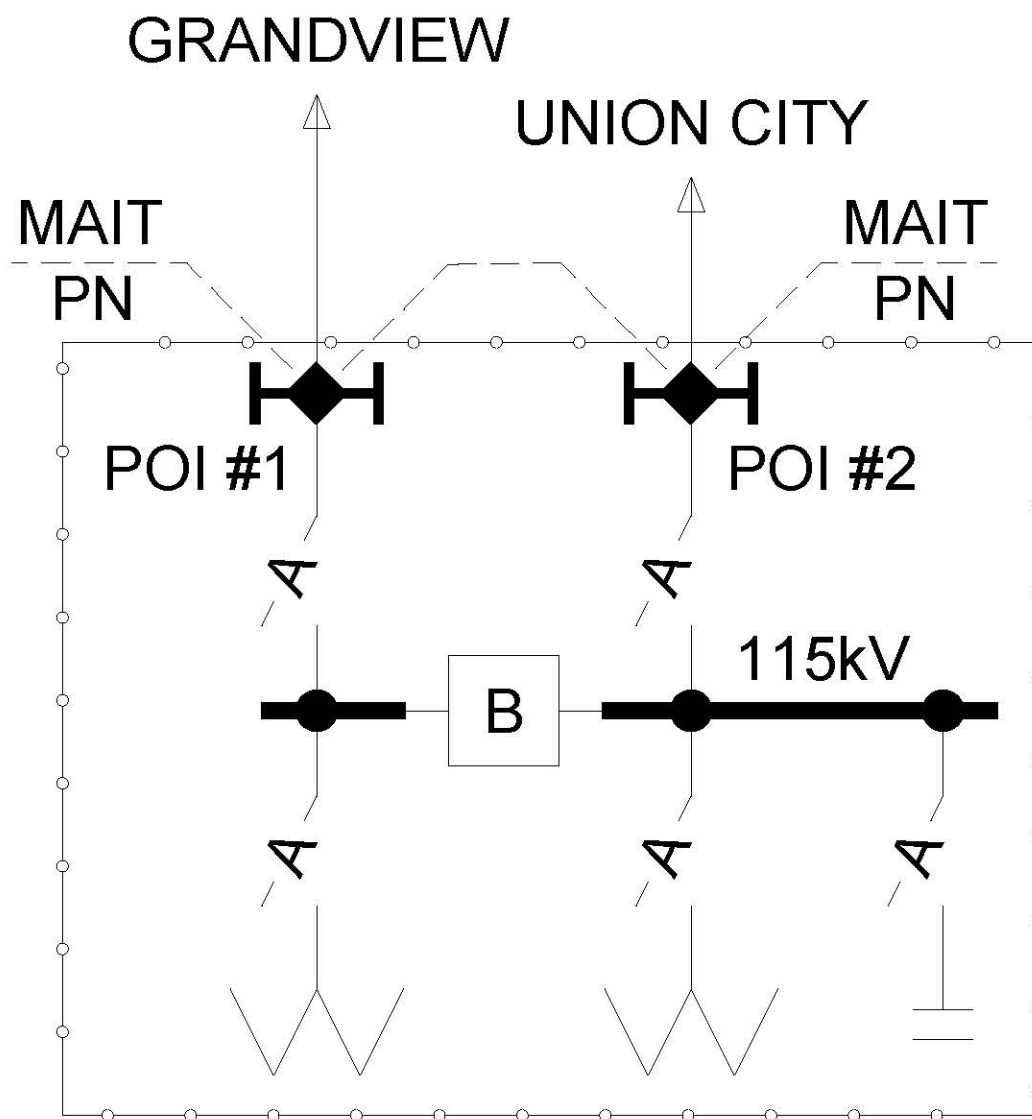
DOC. ID
PN-387-93-01

REV.
-

Revised Tipton 8/18/2022



- ◆ = POI #1 LOCATED AT SUBSTATION 46 kV DEAD-END STRUCTURE
- POI #2 LOCATED AT SUBSTATION 46 kV DEAD-END STRUCTURE
- POI #3 LOCATED AT SUBSTATION 46 kV BUS TAP FOR CAP BANK



◆ = POI #1 LOCATED AT DEAD-END.

POI #2 LOCATED AT DEAD-END.

OPERATIONAL METERING WILL BE OWNED, OPERATED, AND MAINTAINED BY THE PARTY OWNING THE METERING AND WILL BE PROVIDED TO RTO ICCP.

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Energy Delivery Technical Services

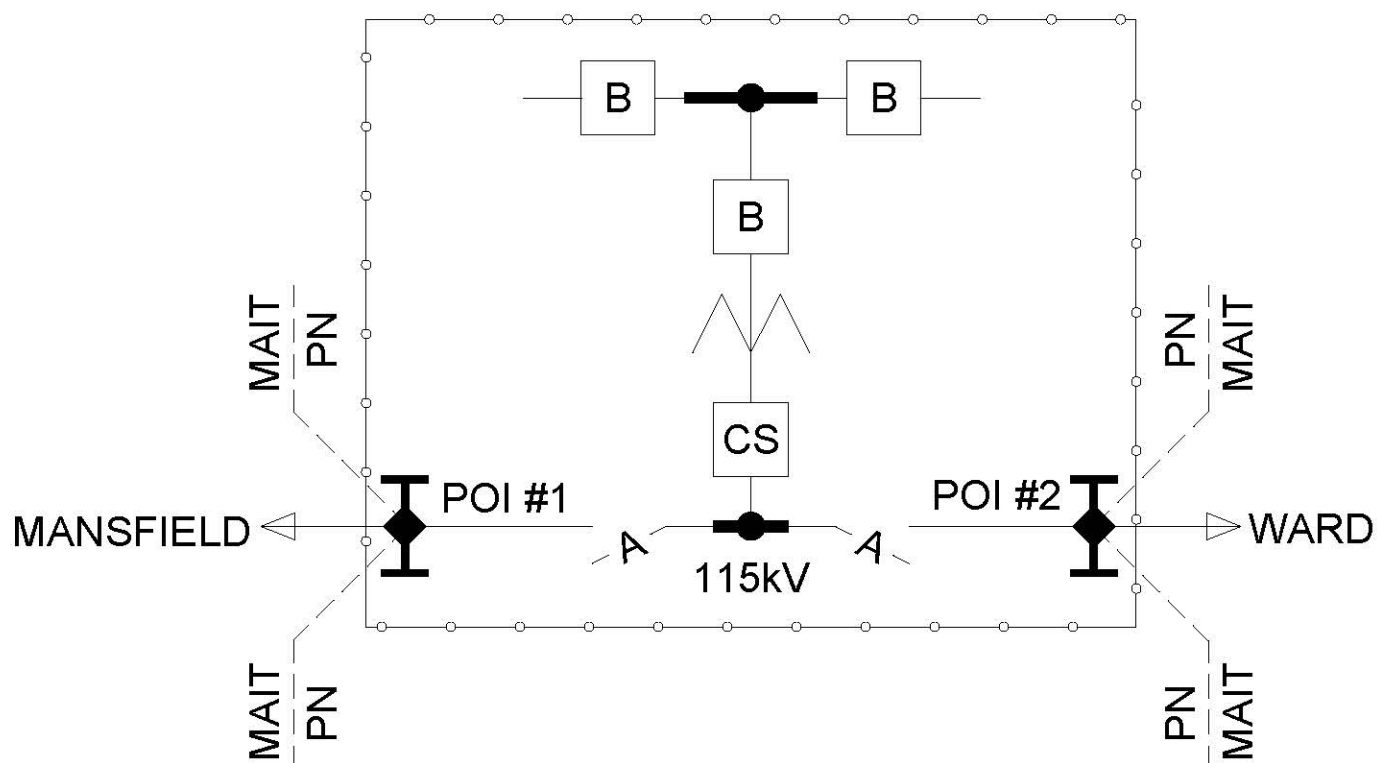
TITLE
MAIT-PN INTERCONNECTIONS FOR TITUSVILLE SUBSTATION

BY: AMF	DATE: 10/10/2016
APP: LAP	ISSUE: FINAL

AGREEMENT
MAIT-PN ISA

DOC. ID
PN-388-93-01

REV.
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TOWER HILL SUBSTATION

◆ = POI #1 LOCATED AT DEAD-END.

POI #2 LOCATED AT DEAD-END.

OPERATIONAL METERING IS OWNED, OPERATED, AND MAINTAINED BY THE PARTY OWNING THE METERING AND WILL BE PROVIDED TO RTO ICCP

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Energy Delivery Technical Services

MAIT-PN INTERCONNECTIONS FOR TOWER HILL SUBSTATION

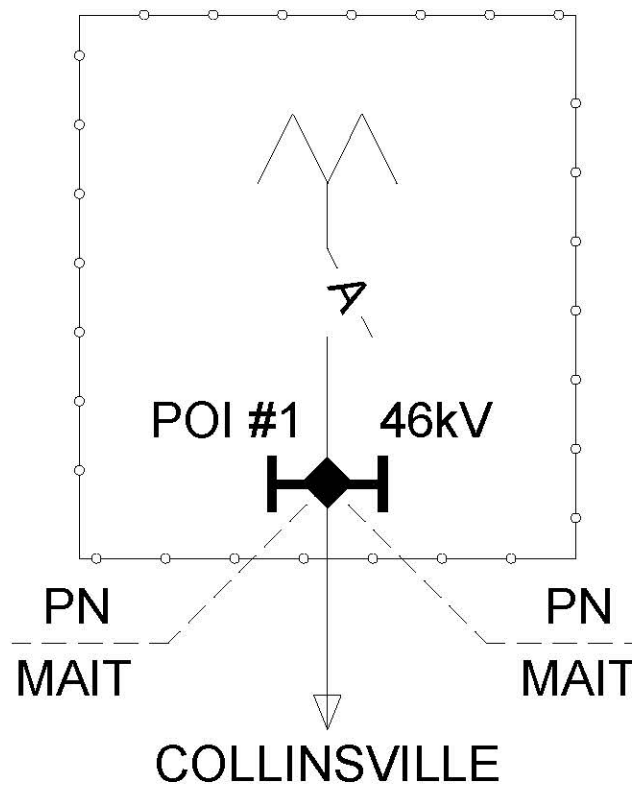
BY: AMF
APP: LAP

DATE: 10/10/2016
ISSUE: FINAL

AGREEMENT
MAIT-PN ISA

DOC. ID
PN-395-93-01

REV.
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TWENTIETH STREET SUBSTATION

◆ = POI #1 LOCATED AT DEAD-END.

OPERATIONAL METERING IS OWNED, OPERATED, AND MAINTAINED BY THE PARTY OWNING THE METERING AND WILL BE PROVIDED TO RTO ICCP

FirstEnergy

Energy Delivery Technical Services

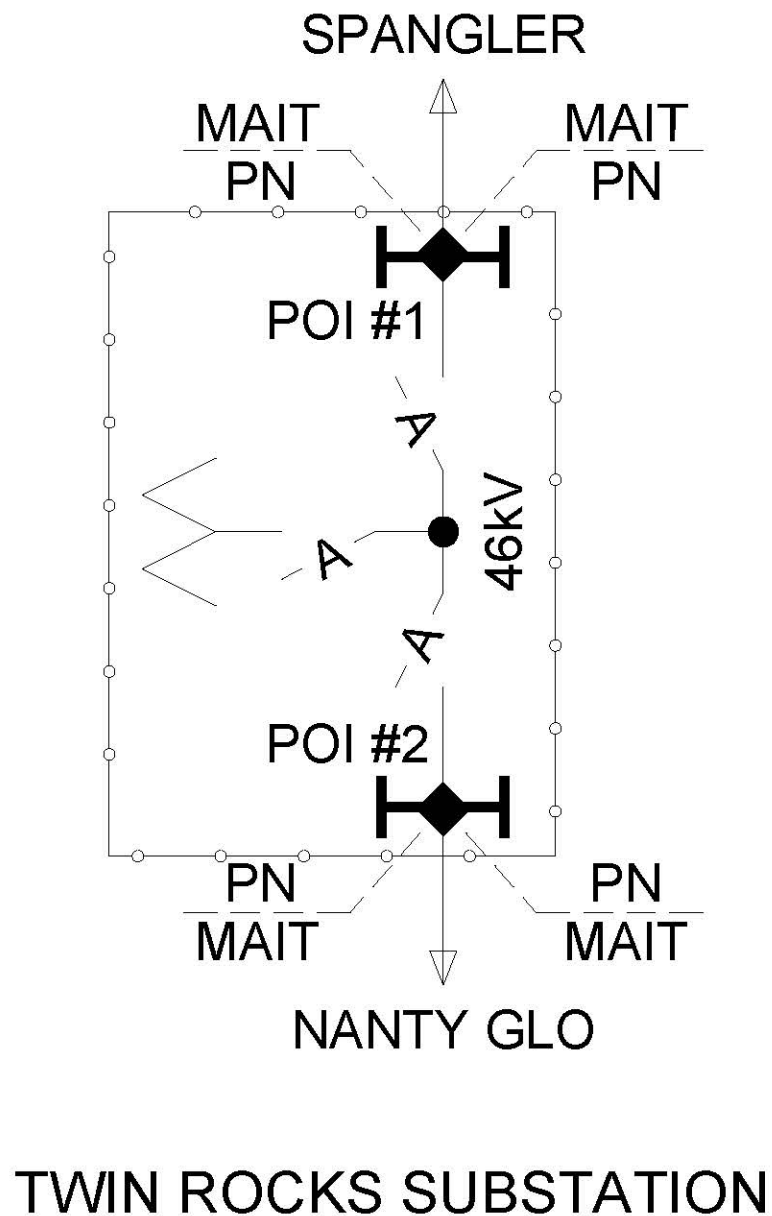
MAIT-PN INTERCONNECTION AT TWENTIETH STREET SUBSTATION

BY: AMF	DATE: 10/10/2016
APP: LAP	ISSUE: FINAL

AGREEMENT
MAIT-PN ISA

DOC. ID
PN-403-93-01

REV.
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◆ = POI #1 LOCATED AT DEAD-END.

POI #2 LOCATED AT DEAD-END.

OPERATIONAL METERING WILL BE OWNED, OPERATED,
AND MAINTAINED BY THE PARTY OWNING THE
METERING AND WILL BE PROVIDED TO RTO ICCP.

FirstEnergy

Energy Delivery Technical Services

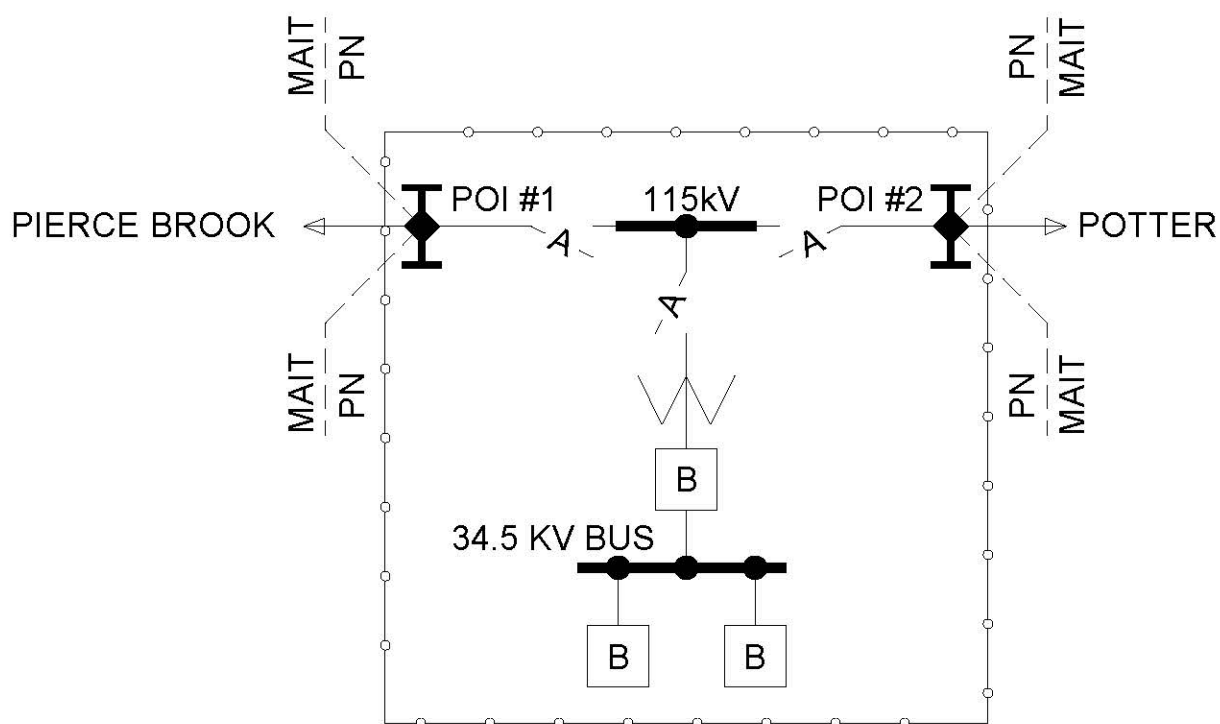
TITLE
MAIT-PN INTERCONNECTIONS FOR TWIN ROCKS SUBSTATION

BY: AMF	DATE: 10/10/2016
APP: LAP	ISSUE: FINAL

AGREEMENT
MAIT-PN ISA

DOC. ID
PN-404-93-01

REV.
-



TWO MILE RUN SUBSTATION

◆ = POI #1 LOCATED AT DEAD-END.

POI #2 LOCATED AT DEAD-END.

OPERATIONAL METERING IS OWNED, OPERATED, AND MAINTAINED BY THE PARTY OWNING THE METERING AND WILL BE PROVIDED TO RTO ICCP

FirstEnergy

Energy Delivery Technical Services

MAIT-PN INTERCONNECTIONS AT TWO MILE RUN SUBSTATION

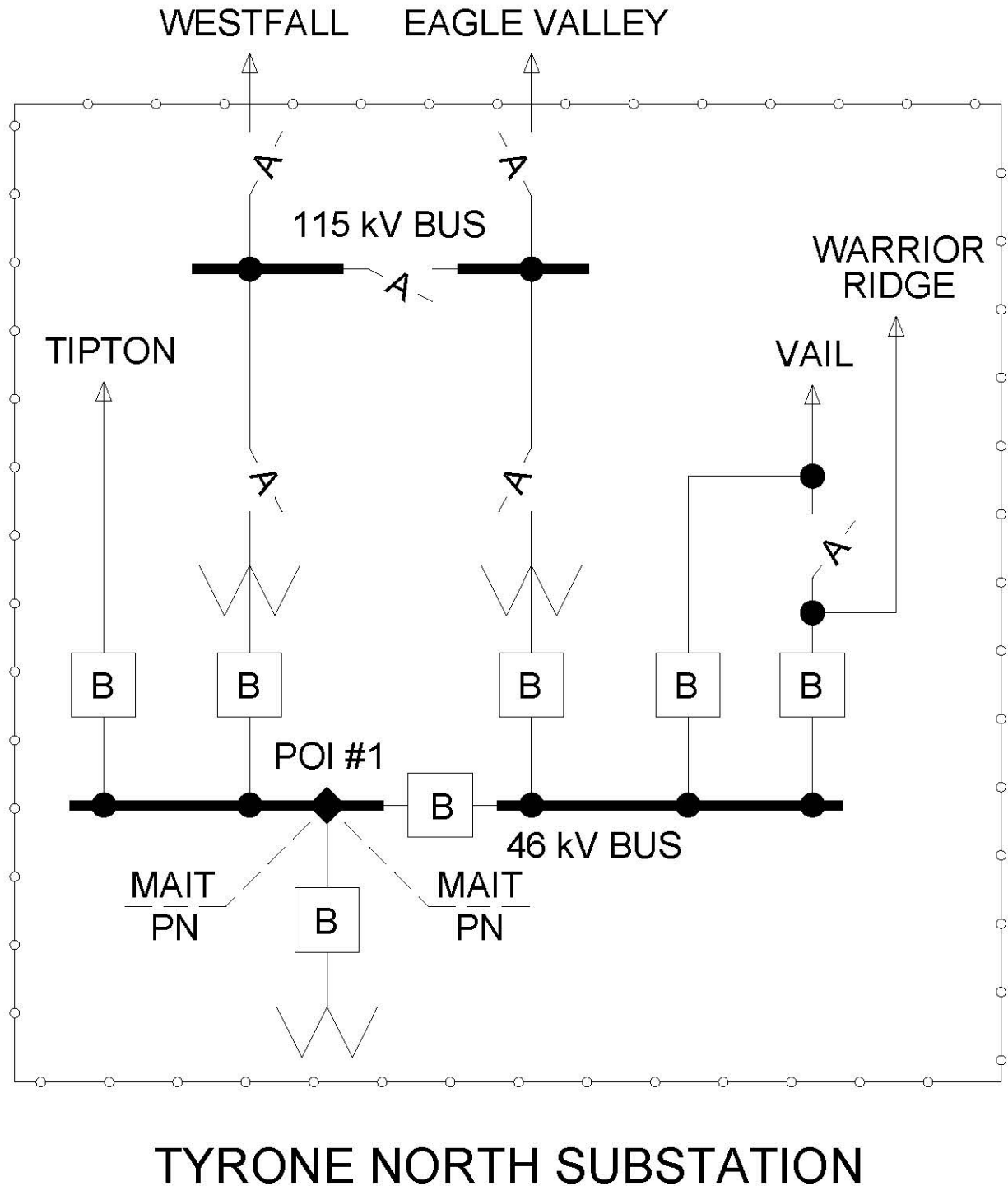
BY: AMF
APP: LAP

DATE: 10/10/2016
ISSUE: FINAL

AGREEMENT
MAIT-PN ISA

DOC. ID
PN-487-93-01

REV.
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◆ = POI #1 LOCATED AT BUS TAP FOR No3 TR.

OPERATIONAL METERING WILL BE OWNED, OPERATED, AND MAINTAINED BY THE PARTY OWNING THE METERING AND WILL BE PROVIDED TO RTO ICCP.

FirstEnergy

Energy Delivery Technical Services

MAIT-PN INTERCONNECTIONS FOR TYRONE NORTH SUBSTATION

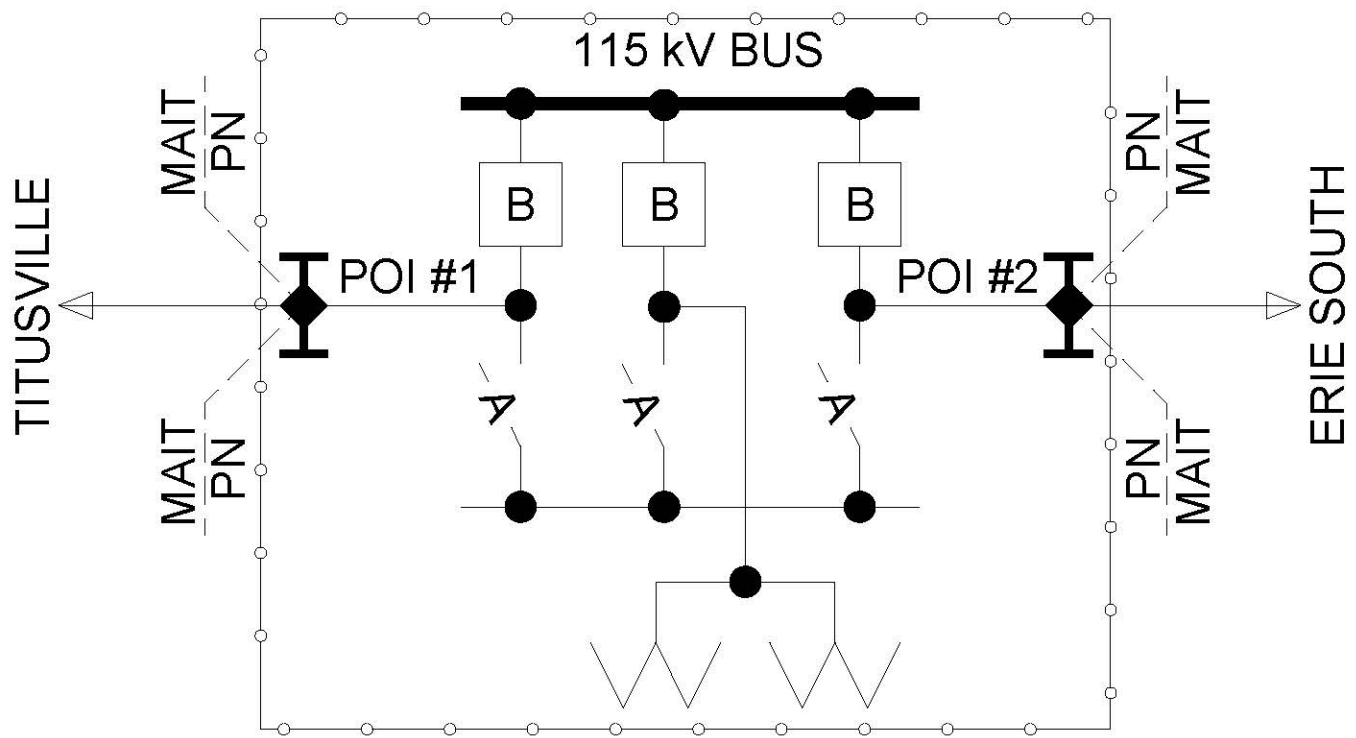
BY: AMF
APP: LAP

DATE: 10/10/2016
ISSUE: FINAL

AGREEMENT
MAIT-PN ISA

DOC. ID
PN-406-93-01

REV.
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UNION CITY SUBSTATION

◆ = POI #1 LOCATED AT DEAD-END.

POI #2 LOCATED AT DEAD-END.

OPERATIONAL METERING WILL BE OWNED, OPERATED, AND MAINTAINED BY THE PARTY OWNING THE METERING AND WILL BE PROVIDED TO RTO ICCP.

FirstEnergy

Energy Delivery Technical Services

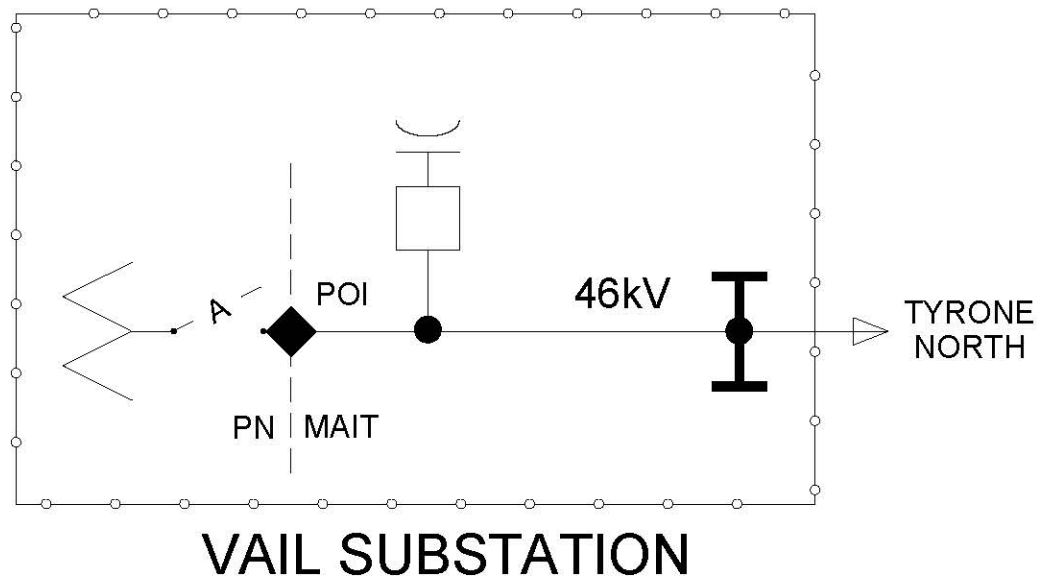
MAIT-PN INTERCONNECTIONS FOR UNION CITY SUBSTATION

BY: AMF	DATE: 10/10/2016
APP: LAP	ISSUE: FINAL

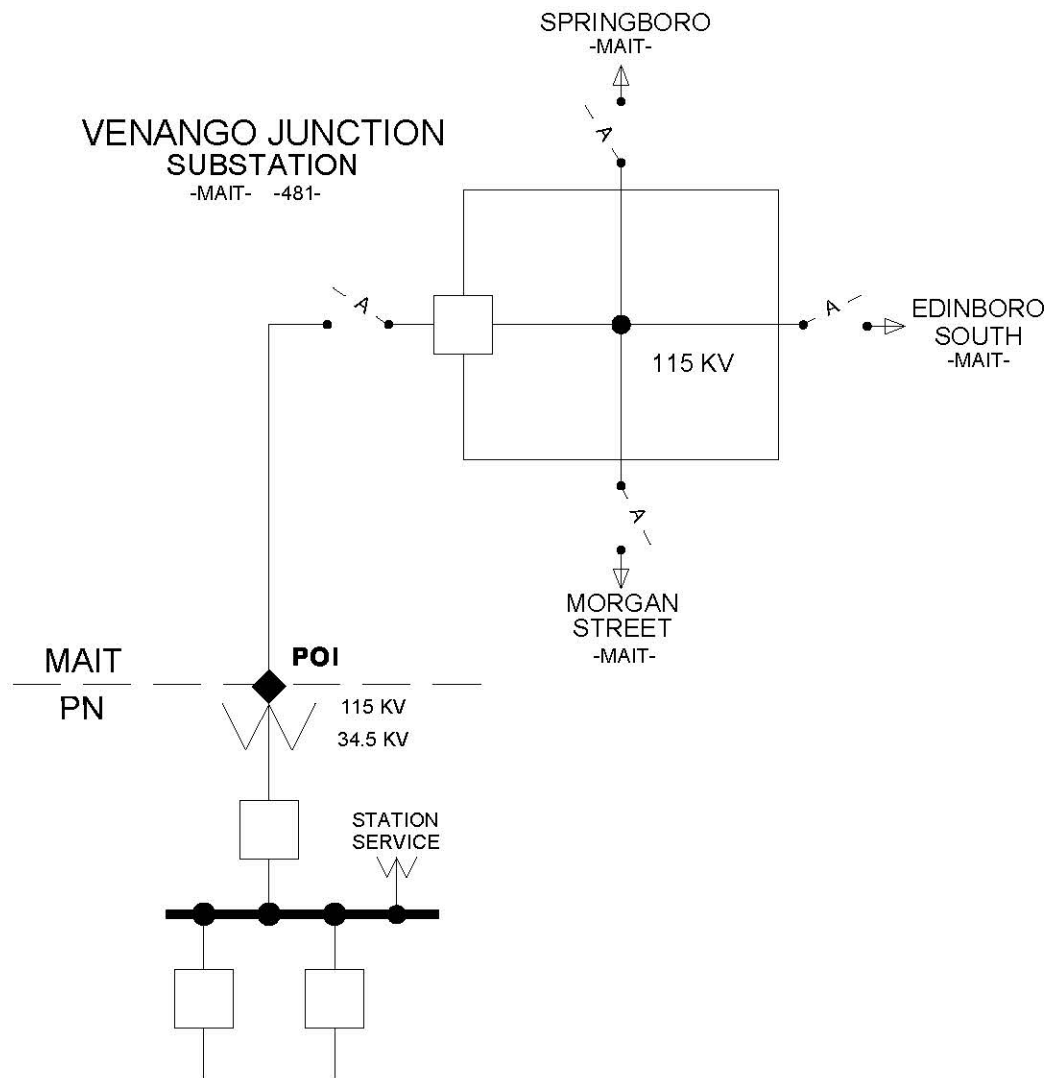
AGREEMENT
MAIT-PN ISA

DOC. ID
PN-408-93-01

REV.
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◆ = POI (POINT OF INTERCONNECTION) LOCATED AT PENELEC (PN)
OWNED TRANSFORMER DISCONNECT SWITCH WHERE MAIT
OWNED LINE TERMINATES



◆ = POI (POINT OF INTERCONNECTION) LOCATED WHERE MID-ATLANTIC INTERSTATE TRANSMISSION (MAIT) OWNED 115 kV TERMINATES AT PENELEC (PN) OWNED TRANSFORMER

OPERATIONAL METERING WILL BE OWNED, OPERATED, AND MAINTAINED BY THE PARTY OWNING THE METERING AND WILL BE PROVIDED TO RTO ICCP

FirstEnergy

Energy Delivery Technical Services

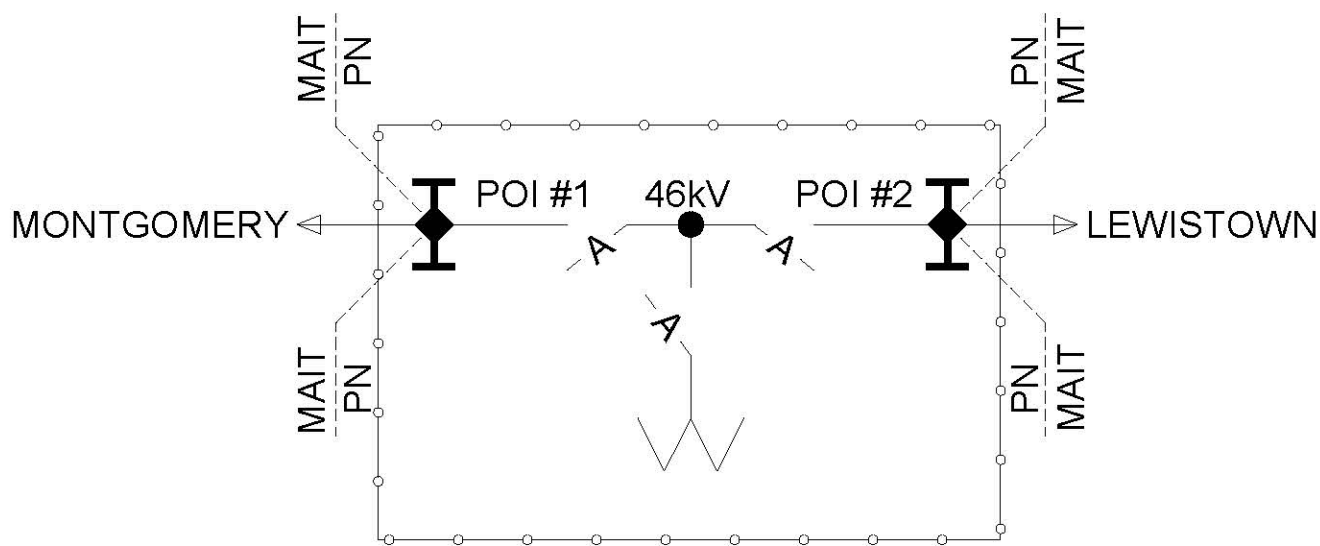
MAIT-PN INTERCONNECTIONS AT VENANGO JUNCTION 115 kV SUBSTATION

BY: J L M DATE: 08/17/2018
APP: - ISSUE: FINAL

AGREEMENT
MAIT-PN ISA

DOC. ID
PN-481-93-01

REV.
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VISCOSE HILL SUBSTATION

◆ = POI #1 LOCATED AT DEAD-END.

POI #2 LOCATED AT DEAD-END.

OPERATIONAL METERING IS OWNED, OPERATED, AND MAINTAINED BY THE PARTY OWNING THE METERING AND WILL BE PROVIDED TO RTO ICCP

FirstEnergy

Energy Delivery Technical Services

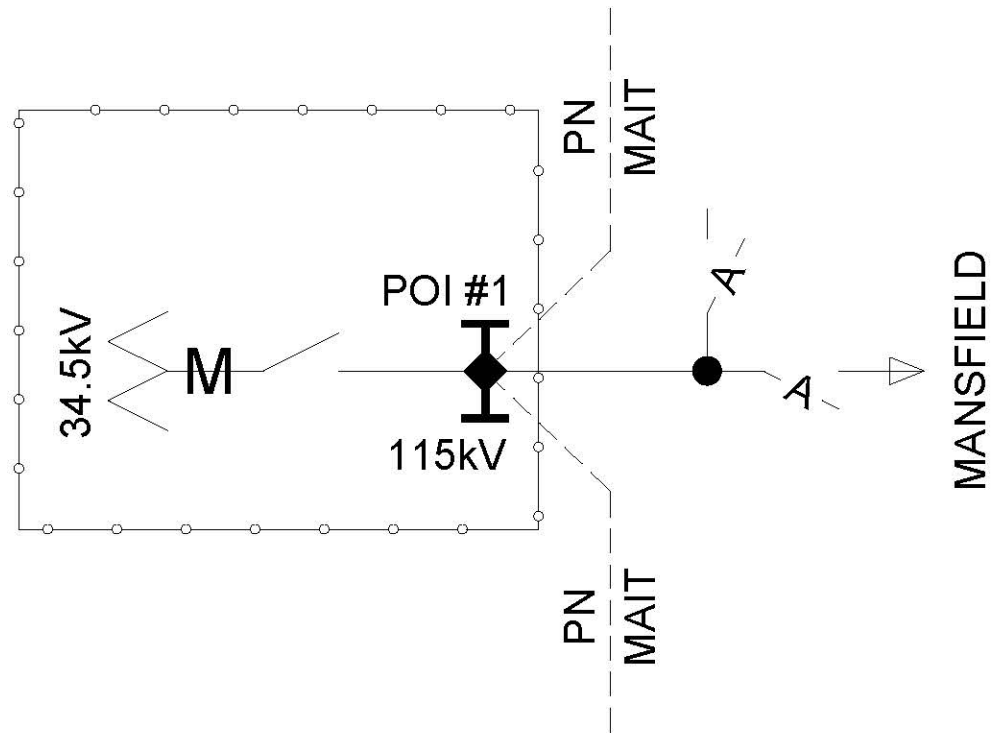
MAIT-PN INTERCONNECTIONS AT VISCOSE HILL SUBSTATION

BY: AMF	DATE: 10/10/2016
APP: LAP	ISSUE: FINAL

AGREEMENT
MAIT-PN ISA

DOC. ID
PN-412-93-01

REV.
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WARD MFG SUBSTATION

◆ = POI #1 LOCATED CUSTOMER DEAD-END.

M = REVENUE METERING IS OWNED, OPERATED, AND MAINTAINED BY PENELEC.

OPERATIONAL METERING IS OWNED, OPERATED, AND MAINTAINED BY THE PARTY OWNING THE METERING AND WILL BE PROVIDED TO RTO ICCP

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Energy Delivery Technical Services

MAIT INTERCONNECTION FOR WARD MFG SUBSTATION

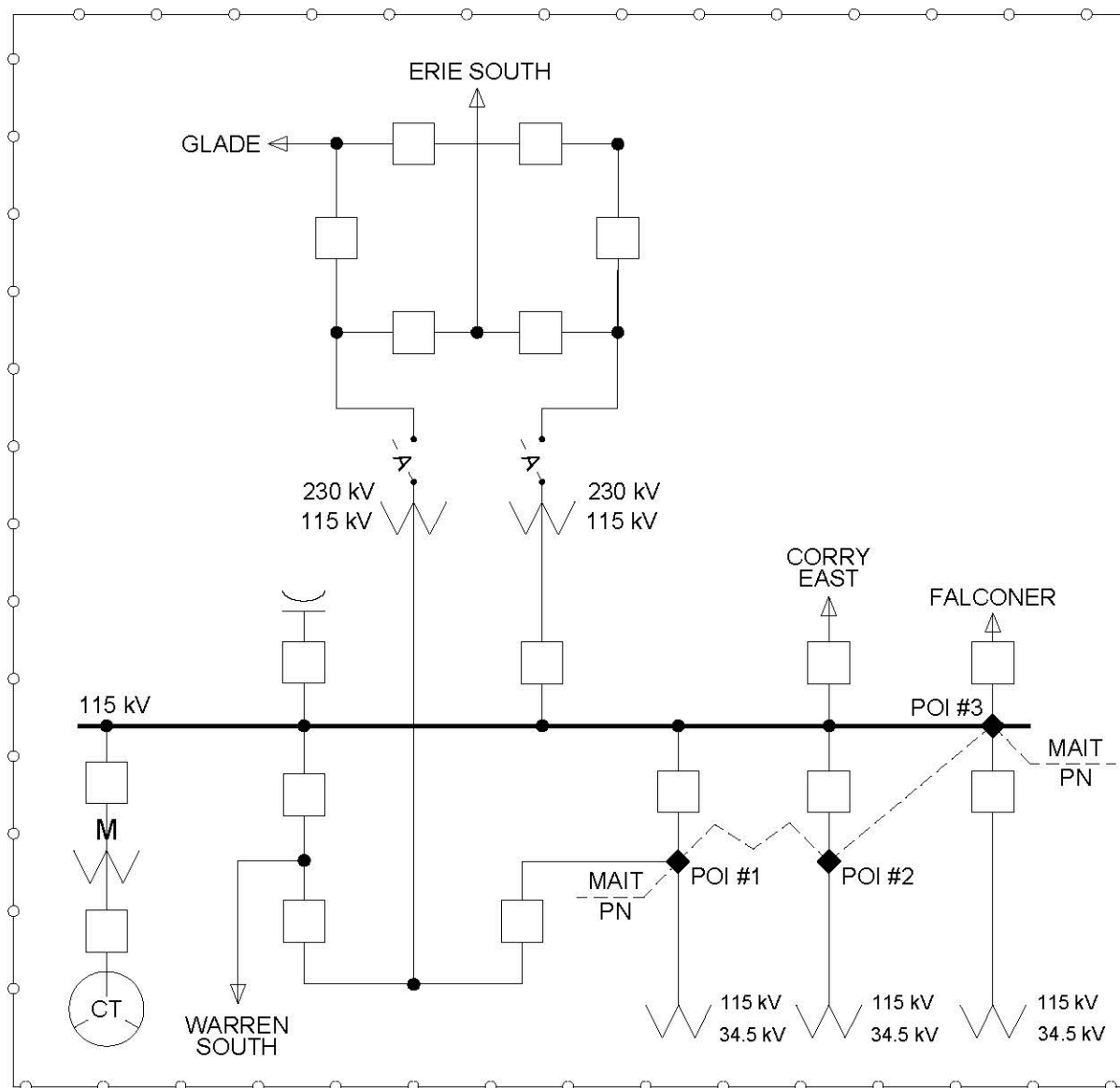
BY: AMF
APP: LAP

DATE: 10/11/2016
ISSUE: FINAL

AGREEMENT
MAIT-PN ISA

DOC. ID
PN-2381-93-01

REV.
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WARREN SUBSTATION

◆ = POI #1 LOCATED ON THE TRANSFORMER-SIDE OF THE MAIT OWNED BREAKER

POI #2 LOCATED ON THE TRANSFORMER-SIDE OF THE MAIT OWNED BREAKER

POI #3 LOCATED AT SUBSTATION 115 kV BUS TAP

FirstEnergy

Energy Delivery Technical Services

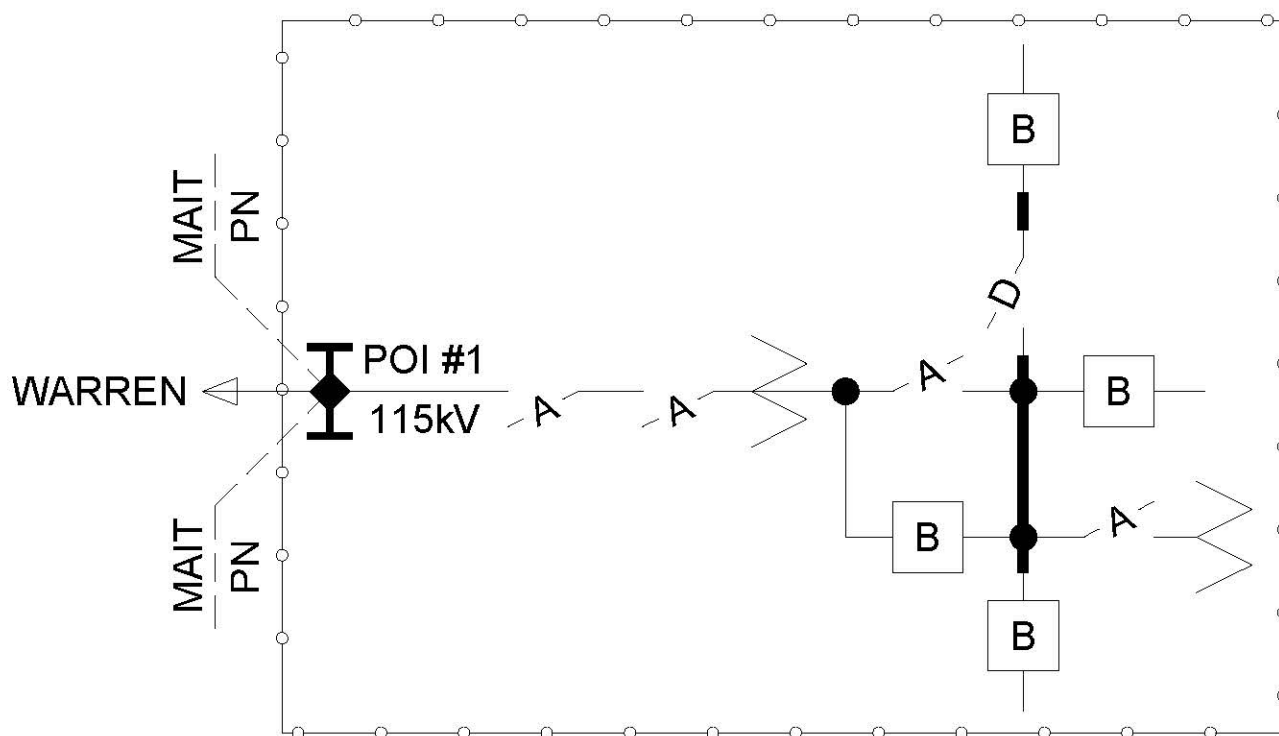
MAIT-PN INTERCONNECTIONS FOR WARREN SUBSTATION

BY: AMF / J L M DATE: 02/26/2018
APP: LAP ISSUE: FINAL

AGREEMENT
MAIT-PN ISA

DOC. ID
PN-416-93-01

REV.
2



WARREN SOUTH SUBSTATION

◆ = POI #1 LOCATED AT DEAD-END.

OPERATIONAL METERING IS OWNED, OPERATED, AND MAINTAINED BY THE PARTY OWNING THE METERING AND WILL BE PROVIDED TO RTO ICCP

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Energy Delivery Technical Services

MAIT-PN INTERCONNECTIONS AT WARREN SOUTH SUBSTATION

BY: AMF	DATE: 10/10/2016
APP: LAP	ISSUE: FINAL

AGREEMENT
MAIT-PN ISA

DOC. ID
PN-421-93-01

REV.
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VALLEY REC
WILLIAMSBURG

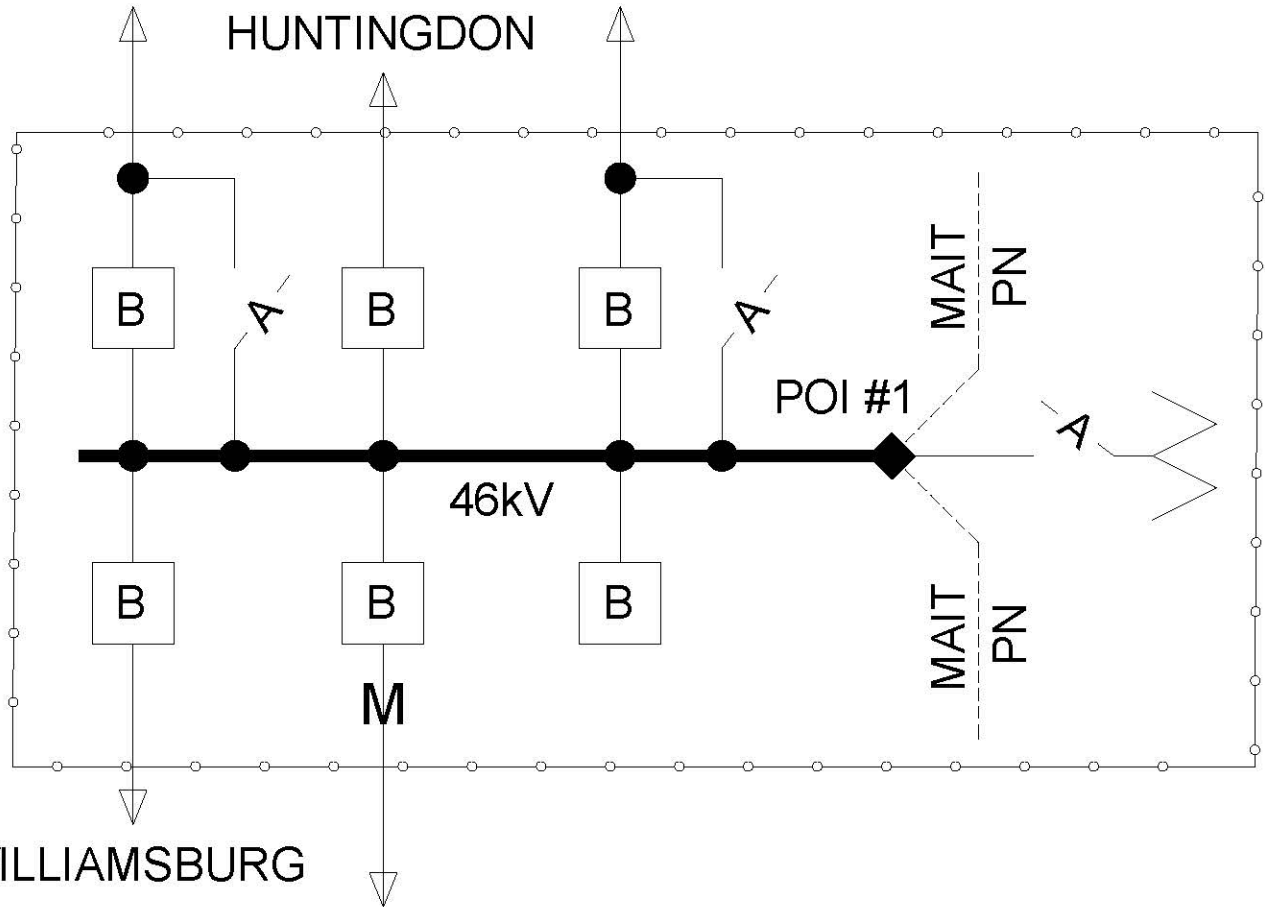
VALLEY REC
CENTER UNION

HUNTINGDON

WILLIAMSBURG

CUSTOMER

WARRIOR RIDGE SUBSTATION



◆ = POI #1 LOCATED AT BUS TAP FOR No3 TR.

OPERATIONAL METERING WILL BE OWNED OPERATED
AND MAINTAINED BY THE PARTY OWNING THE
METERING AND WILL BE PROVIDED TO RTO ICCP

FirstEnergy

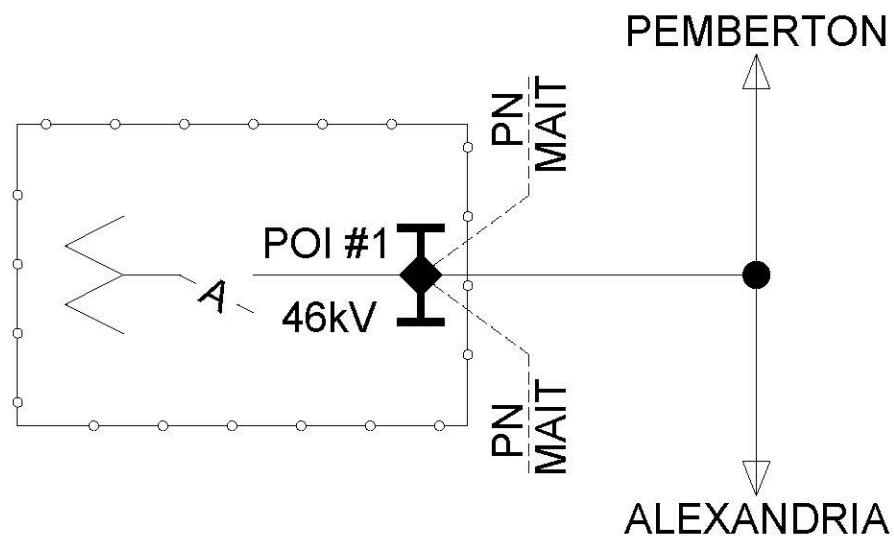
Energy Delivery Technical Services

TITLE
MAIT-PN INTERCONNECTIONS FOR WARRIOR RIDGE SUBSTATION

BY: -	DATE: 10/10/2016
APP: LAP	ISSUE: FINAL

AGREEMENT
MAIT-PN ISA

DOC. ID	REV.
PN-422-93-01	-



WATER STREET SUBSTATION

◆ = POI #1 LOCATED AT DEAD-END.

OPERATIONAL METERING IS OWNED, OPERATED, AND MAINTAINED BY THE PARTY OWNING THE METERING AND WILL BE PROVIDED TO RTO ICCP

FirstEnergy

Energy Delivery Technical Services

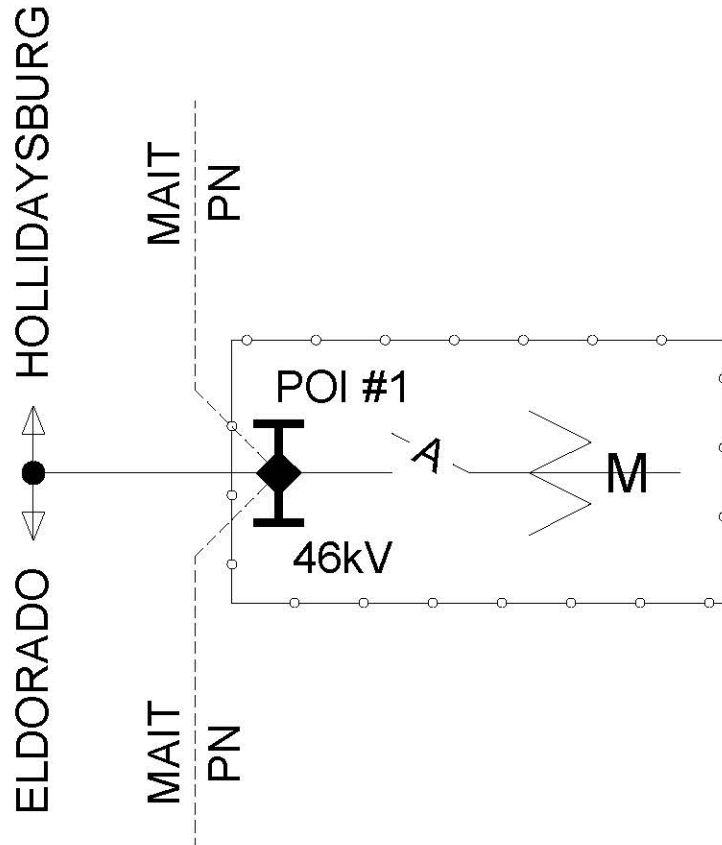
MAIT-PN INTERCONNECTIONS AT WATER STREET SUBSTATION

BY: AMF	DATE: 10/10/2016
APP: LAP	ISSUE: FINAL

AGREEMENT
MAIT-PN ISA

DOC. ID
PN-491-93-01

REV.
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WESTERLY SEWAGE SUBSTATION

◆ = POI #1: LOCATED AT CUSTOMER DEAD-END.

M = REVENUE METERING IS OWNED, OPERATED, AND MAINTAIN BY PENELEC.

OPERATIONAL METERING IS OWNED, OPERATED, AND MAINTAINED BY THE PARTY OWNING THE METERING AND WILL BE PROVIDED TO RTO ICCP.

FirstEnergy

Energy Delivery Technical Services

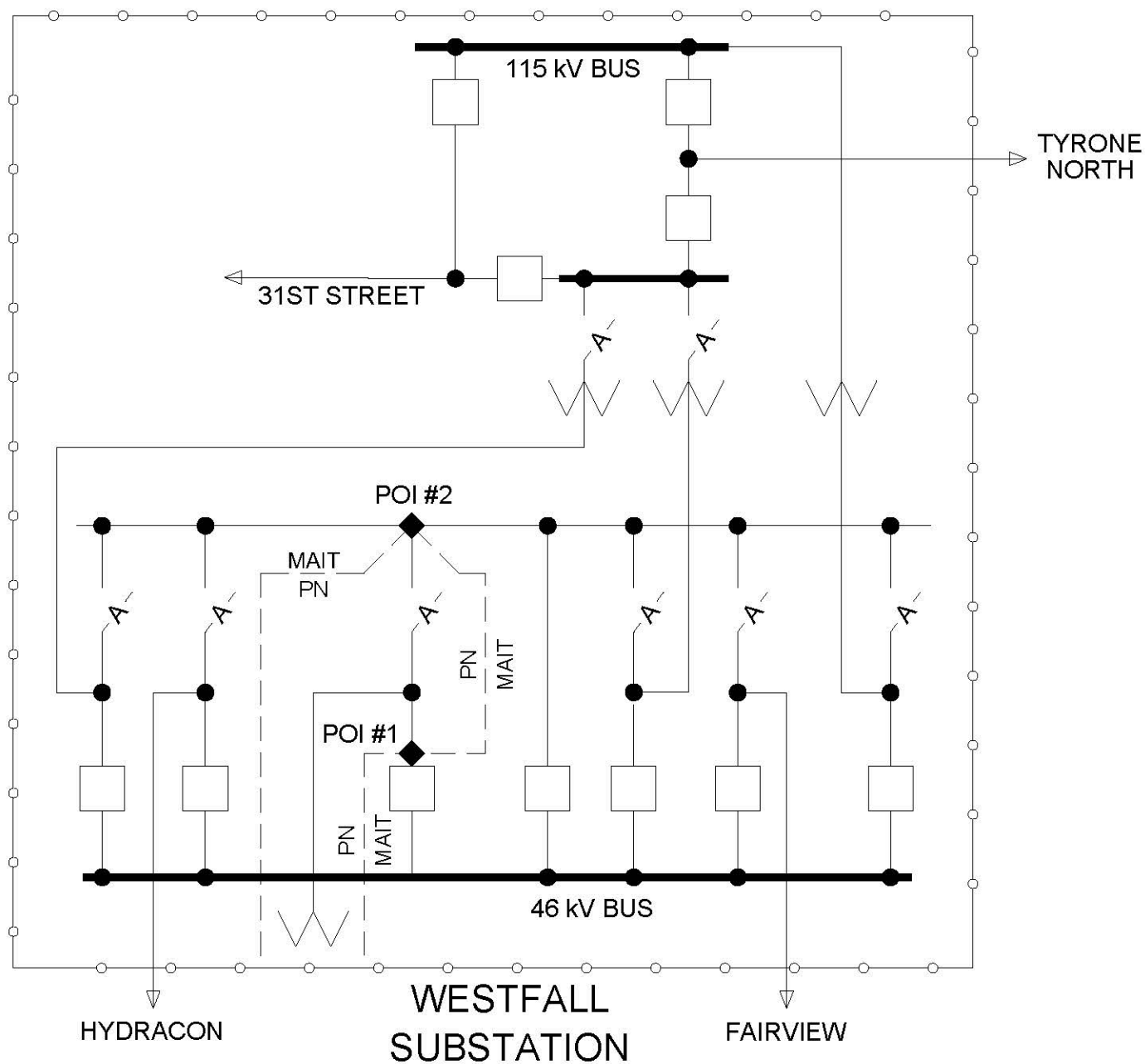
MAIT INTERCONNECTION FOR WESTERLY SEWAGE SUBSTATION

BY: AMF	DATE: 10/11/2016
APP: LAP	ISSUE: FINAL

AGREEMENT
MAIT-PN ISA

DOC. ID
PN-2400-93-01

REV.
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◆ = POI #1 LOCATED AT SUBSTATION 46 kV BUS TIE BREAKER TAP
 POI #2 LOCATED AT SUBSTATION 46 kV TRANSFER BUS TAP

FirstEnergy
 Energy Delivery Technical Services

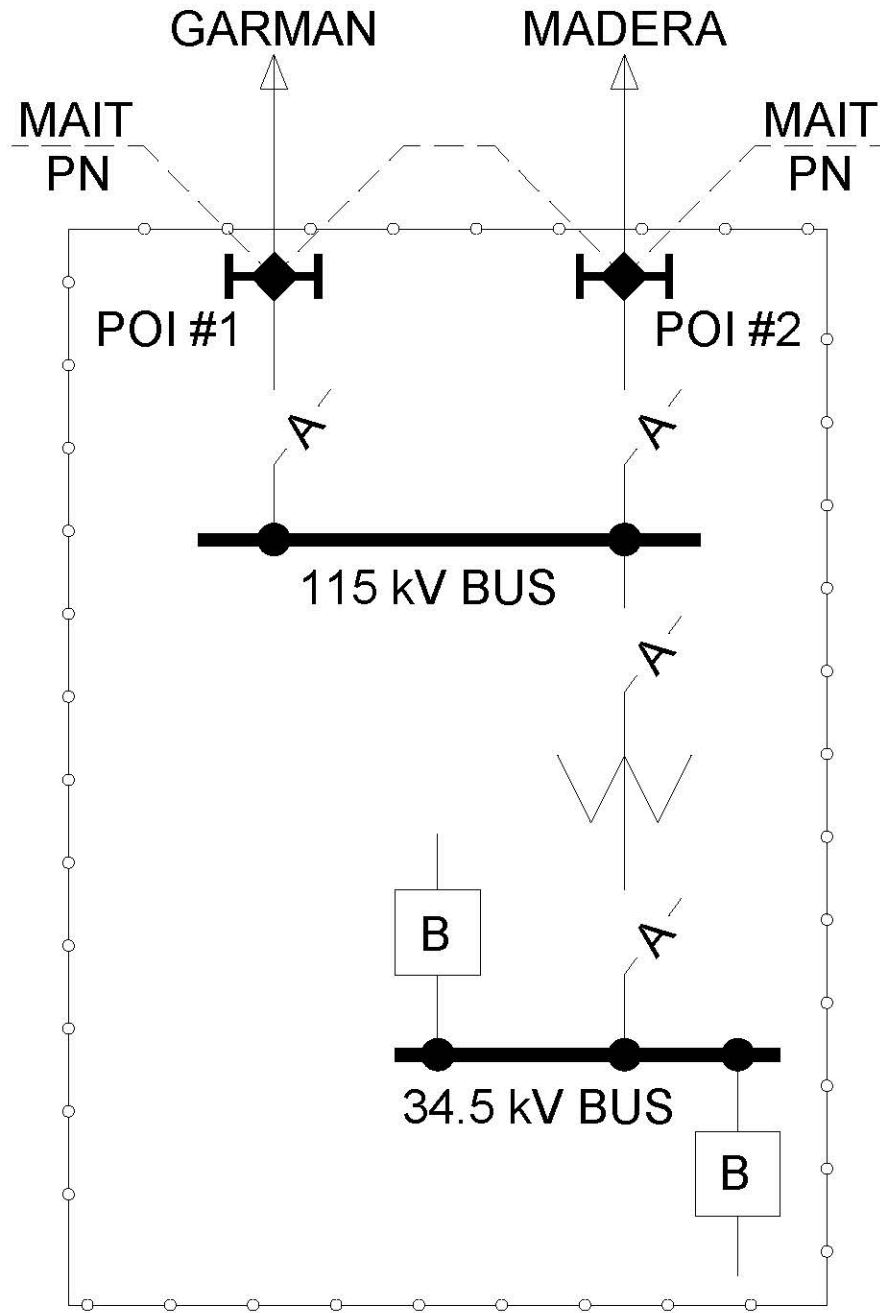
TITLE
 MAIT-PN INTERCONNECTIONS FOR WESTFALL SUBSTATION

BY: AMF / J.L.M. DATE: 02/11/2020
 APP: LAP ISSUE: FINAL

AGREEMENT
 MAIT-PN ISA

DOC. ID
 PN-431-93-01

REV.
 2



WESTOVER SOUTH SUBSTATION

◆ = POI #1 LOCATED AT DEAD-END.

POI #2 LOCATED AT DEAD-END.

OPERATIONAL METERING WILL BE OWNED, OPERATED,
AND MAINTAINED BY THE PARTY OWNING THE
METERING AND WILL BE PROVIDED TO RTO ICCP.

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Energy Delivery Technical Services

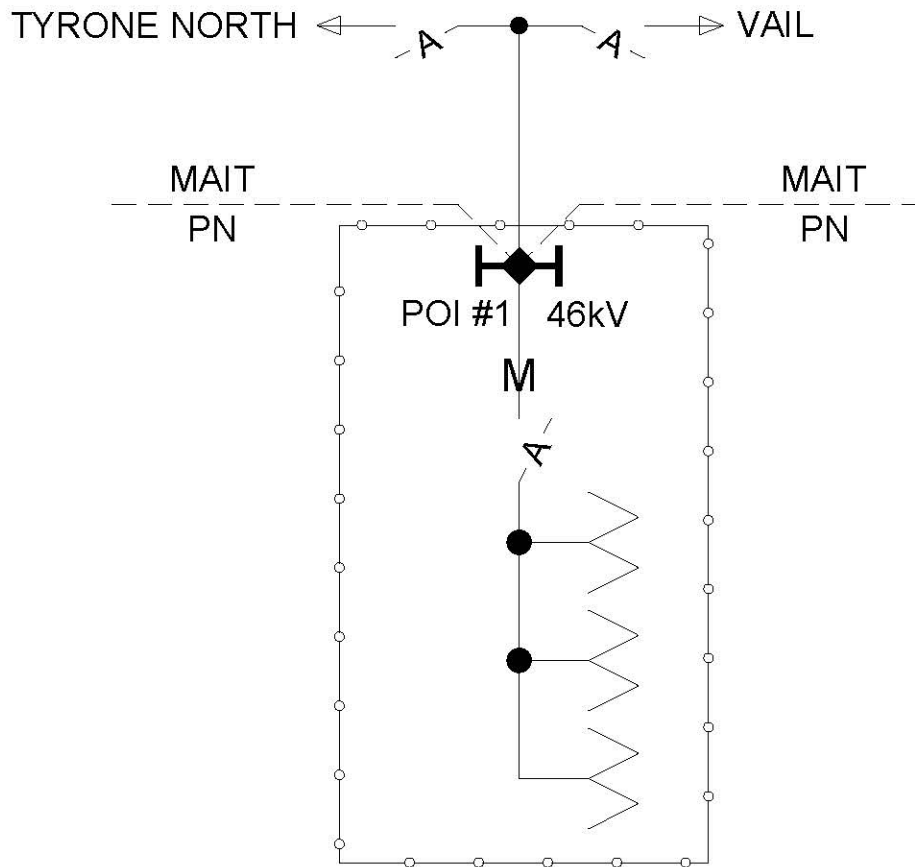
MAIT-PN INTERCONNECTIONS FOR WESTOVER SOUTH SUBSTATION

BY: AMF	DATE: 10/10/2016
APP: LAP	ISSUE: FINAL

AGREEMENT
MAIT-PN ISA

DOC. ID
PN-433-93-01

REV.
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WEST VA PULP SUBSTATION

◆ = POI #1 LOCATED AT CUSTOMER DEAD-END.

M = REVENUE METERING IS OWNED, OPERATED, AND MAINTAIN BY PENELEC.

OPERATIONAL METERING IS OWNED, OPERATED, AND MAINTAINED BY THE PARTY OWNING THE METERING AND WILL BE PROVIDED TO RTO ICCP

FirstEnergy

Energy Delivery Technical Services

MAIT-PN INTERCONNECTIONS AT WEST VA PULP SUBSTATION

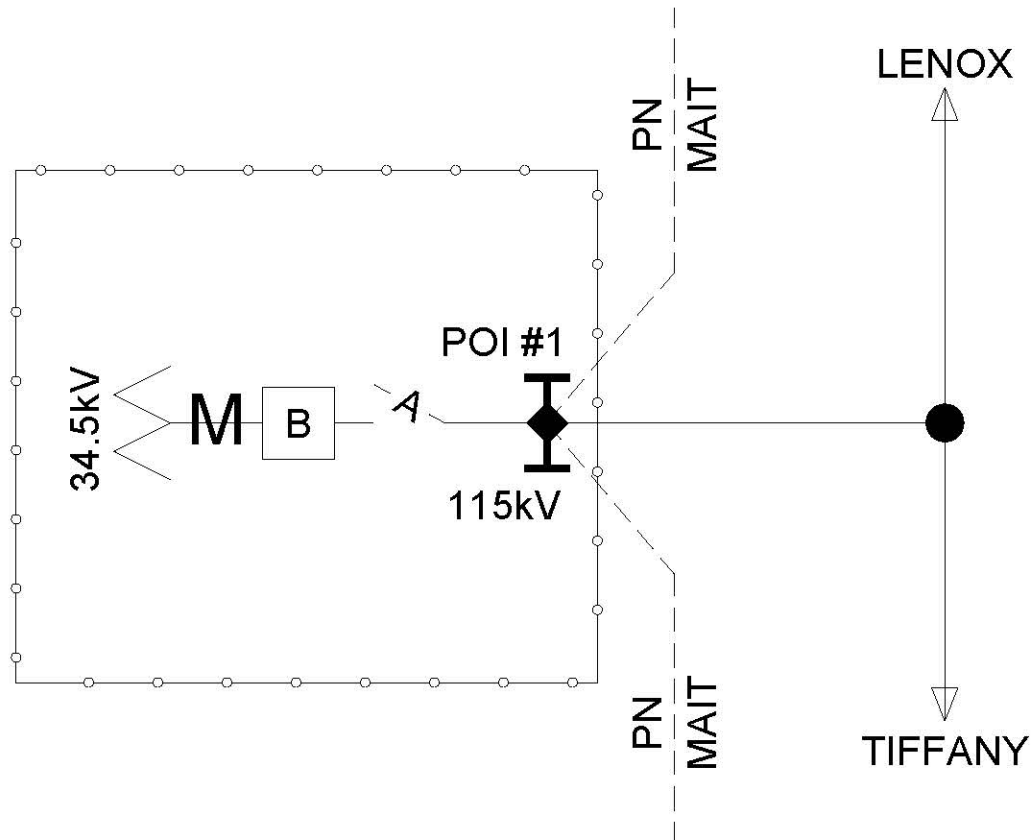
BY: AMF
APP: LAP

DATE: 10/11/2016
ISSUE: FINAL

AGREEMENT
MAIT-PN ISA

DOC. ID
PN-2399-93-01

REV.
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WILLIAMS MIDSTREAM KINGSLEY SUBSTATION

◆ = POI #1 LOCATED AT CUSTOMER DEAD-END..

M = REVENUE METERING FOR CUSTOMER IS OWNED, OPERATED, AND MAINTAIN BY PENELEC.

OPERATIONAL METERING IS OWNED, OPERATED, AND MAINTAINED BY THE PARTY OWNING THE METERING AND WILL BE PROVIDED TO RTO ICCP.

FirstEnergy

Energy Delivery Technical Services

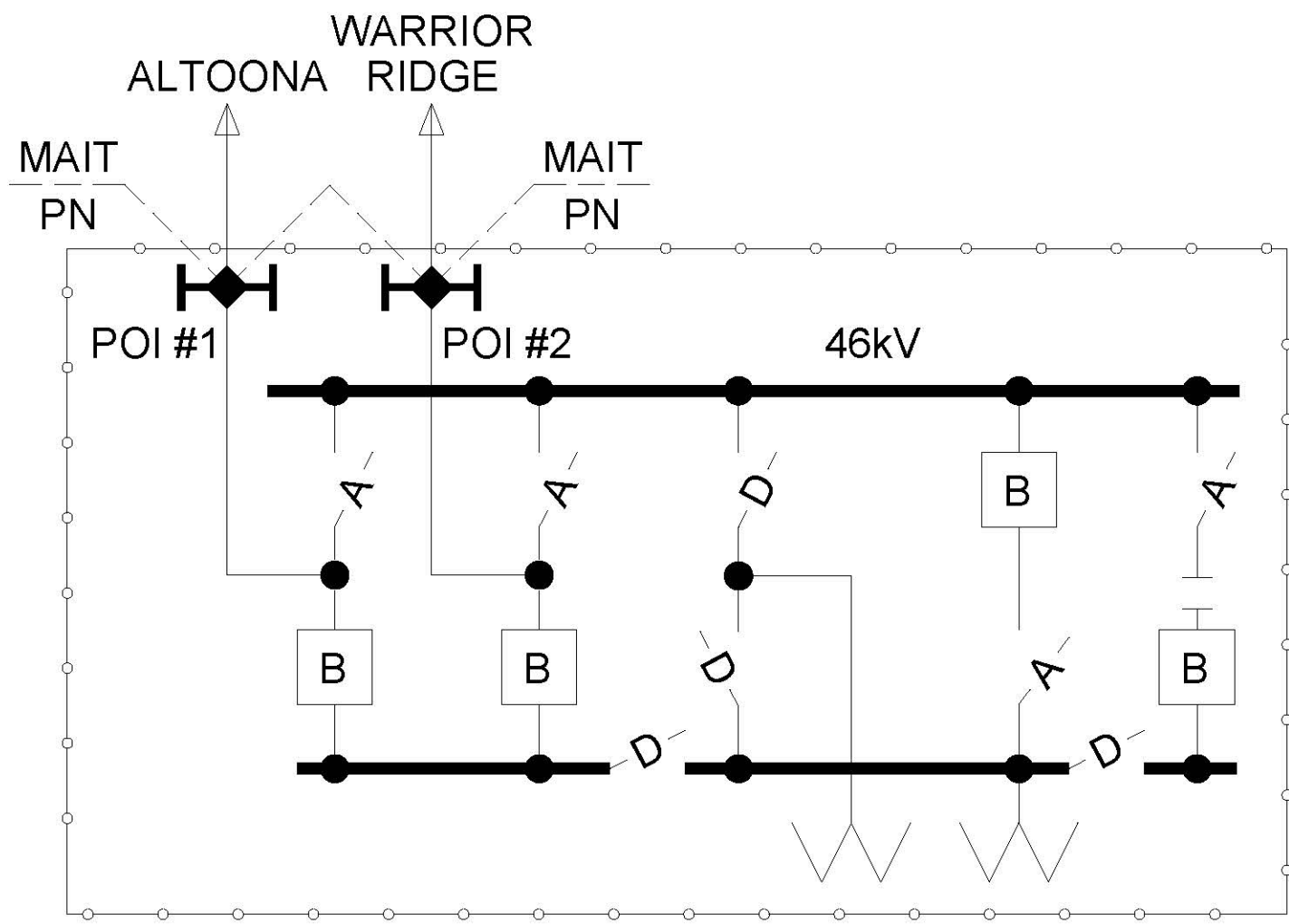
MAIT INTERCONNECTION FOR WILLIAMS MIDSTREAM KINGSLEY SUB

BY: AMF	DATE: 10/11/2016
APP: LAP	ISSUE: FINAL

AGREEMENT
MAIT-PN ISA

DOC. ID
PN-3193-93-01

REV.
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WILLIAMSBURG SUBSTATION

◆ = POI #1 LOCATED AT DEAD-END.

POI #2 LOCATED AT DEAD-END.

OPERATIONAL METERING WILL BE OWNED, OPERATED, AND MAINTAINED BY THE PARTY OWNING THE METERING AND WILL BE PROVIDED TO RTO ICCP.

FirstEnergy

Energy Delivery Technical Services

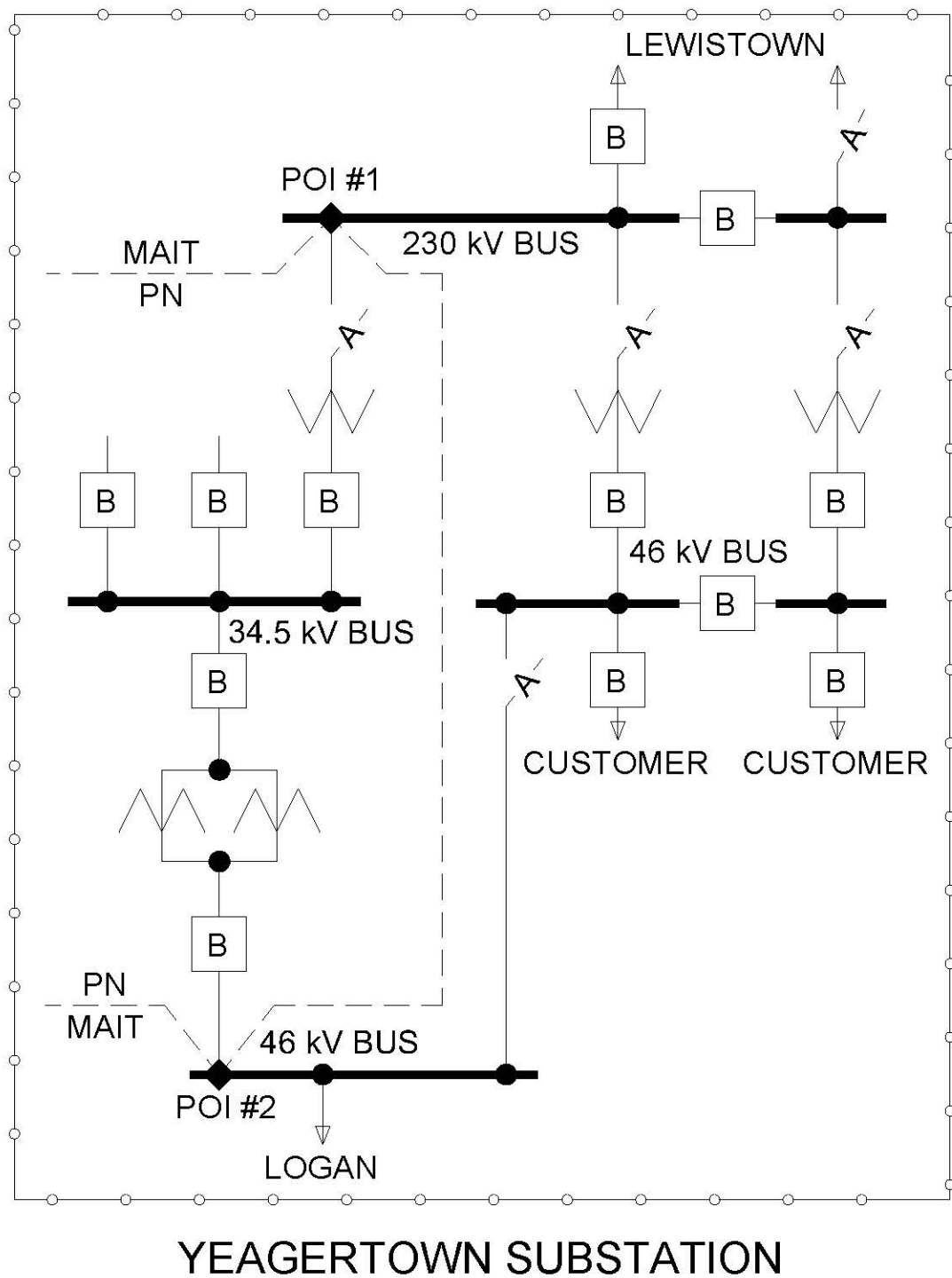
MAIT-PN INTERCONNECTIONS FOR WILLIAMSBURG SUBSTATION

BY: AMF	DATE: 10/10/2016
APP: LAP	ISSUE: FINAL

AGREEMENT
MAIT-PN ISA

DOC. ID
PN-436-93-01

REV.
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YEAGERTOWN SUBSTATION

◆ = POI #1 LOCATED AT BUS TAP FOR No3 TR.

POI #2 LOCATED AT BUS TAP FOR No4 AND No5 TR.

OPERATIONAL METERING WILL BE OWNED, OPERATED, AND MAINTAINED BY THE PARTY OWNING THE METERING AND WILL BE PROVIDED TO RTO ICCP.

FirstEnergy

Energy Delivery Technical Services

MAIT-PN INTERCONNECTIONS FOR YEAGERTOWN SUBSTATION

BY: AMF
APP: LAP

DATE: 10/10/2016
ISSUE: FINAL

AGREEMENT
MAIT-PN ISA

DOC. ID
PN-444-93-01

REV.
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IN WITNESS WHEREOF, the Parties have caused their duly authorized representatives to execute and attest this Agreement, on their respective behalf, as of the Effective Date noted above.

Greg Hussing
Signature

Gregory F. Hussing
Director, FERC & RTO Tech Support
Title of Authorized Signatory
MID-ATLANTIC INTERSTATE
TRANSMISSION, LLC
By: FirstEnergy Transmission, LLC
its sole member

Thomas R Pryatel
Signature

Thomas R. Pryatel
Director, ED Operations Services
Title of Authorized Signatory
PENNSYLVANIA ELECTRIC COMPANY

The signature below of the authorized representative of PJM Interconnection, L.L.C. is for the limited purpose of acknowledging that a representative of PJM has read this Agreement as of September 8, 2022.

PJM INTERCONNECTION, L.L.C.

By: David W. Souder
(Signature)

Name: David W. Souder
(Print)

Title: Executive Director, System Planning