



BEFORE THE PUBLIC UTILITIES COMMISSION OF THE
STATE OF CALIFORNIA

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Order Instituting Rulemaking Regarding Policies,
Procedures and Rules for Development of
Distribution Resources Plans Pursuant to Public
Utilities Code Section 769.

Rulemaking 14-08-013
(Filed August 14, 2014)

And Related Matters.

Application 15-07-002
Application 15-07-003
Application 15-07-006

(NOT CONSOLIDATED)

In the Matter of the Application of PacifiCorp
(U 901-E) Setting Forth its Distribution Resource
Plan Pursuant to Public Utilities Code
Section 769.

Application 15-07-005
(Filed July 1, 2015)

And Related Matters.

Application 15-07-007
Application 15-07-008

SOUTHERN CALIFORNIA EDISON COMPANY'S (U 338-E)

AMENDED 2018 GRID NEEDS ASSESSMENT REPORT

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Dated: July 25, 2018

Pursuant to Ordering Paragraph 2.j of Decision (D.)18-02-004, Southern California Edison Company (“SCE”) respectfully files this Amended 2018 Grids Needs Assessment. The Amended 2018 Grid Needs Assessment is attached.

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APPENDIX A

AMENDED 2018 GRID NEEDS ASSESSMENT REPORT



GRID NEEDS ASSESSMENT

Southern California Edison's Amended 2018 Grid Needs Assessment

Executive Summary of the Amended 2018 Grid Needs Assessment (GNA) Report in compliance
with Ordering Paragraph (OP) 2d of Decision (D.)18-02-004 (Decision).

Southern California Edison
July 17, 2018

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1. Purpose and Executive Summary

Consistent with Ordering Paragraphs No. 2d and 2j, Southern California Edison Company (SCE) hereby submits its Amended 2018 Grid Needs Assessment Report (“Amended GNA”) and Amended 2018 Circuit-level Planning Assumptions. This cover letter provides a summary of the changes reflected in the Amended GNA and Amended 2018 Circuit-level Planning Assumptions.

On June 1, 2018, SCE filed its initial 2018 GNA Report in compliance with Ordering Paragraph (OP) 2d of Decision (D.)18-02-004 (Decision). Subsequent to the June 1, 2018 GNA filing, SCE identified a software error in its distribution planning tool that impacted the accuracy of a portion of SCE’s 2018 GNA. On June 19, 2018, SCE sent an email to the official service lists for Rulemaking (R.)14-08-013 and Application (A.)15-07-005 to notify the Commission and parties of this issue and of SCE’s intent to file an amended GNA once SCE had corrected the error. Subsequent to that email, SCE identified an additional three errors that impacted grid needs and two errors that impacted circuit-level planning assumptions. SCE expeditiously worked to fix these issues and re-run its GNA with updated, corrected data and now files its Amended GNA.

In addition, as stated in the *Motion of Southern California Edison Company (U 338-E) for Confidential Treatment and Redaction of Distribution System Planning Data Ordered by Decisions D.17-09-026 and D.18-02-004* (“SCE’s Confidential Treatment Motion”), filed June 15, 2018, SCE is no longer proposing to redact the following categories of information in its 2018 GNA: “Existing facility/equipment rating;” and “Forecasted percentage deficiency above the existing facility/equipment rating over five years.” Accordingly, this Amended 2018 GNA has removed the redactions.

2. Issues Affecting Grid Needs

This section provides an overview of four distinct issues that SCE identified that impacted the accuracy of the grid needs identified in the 2018 GNA. All of the identified issues are related to correcting errors in the implementation of methodology in software, as opposed to errors in the methodology itself. SCE has successfully implemented fixes to address these issues, and the revised needs are reflected in the amended 2018 GNA.

2.1. Historical Peak Demand Review

When an Engineer evaluates historical recorded demand during the summer season and selects the peak demand used as a starting point for the load forecast, SCE’s distribution planning tool is designed to automatically reference the peak demand that the engineer selected for use in all distribution planning studies.

Due to a software error, SCE’s planning tool inadvertently defaulted a subset of the system to the prior year’s forecast as a starting point for distribution planning studies rather than the peak demand selected by the engineer. SCE has corrected this error.

2.2. Software Logic to Remove Planned Transfers

SCE’s GNA is intended to display the needs of the distribution system that require a planned investment. Typical planned investments consist of a combination of infrastructure (re-conductor, new line, etc.) and planned transfers. In SCE’s planning tool, engineers document planned transfers along with the details of the planned investment, linking the two together in the software. In order to quantify the needs of the system prior to any planned investments being in service, SCE must remove the impact of the modeled

projects and their associated planned transfers. To do so, SCE created and implemented updates to software logic within its distribution planning tool to remove all planned transfers associated with or enabled by a planned project.

SCE identified an error in the implementation of the logic created to remove planned transfers modeled in its planning tool. This error resulted in the initial GNA reporting grid needs that have already been addressed by completed projects. The identified error caused the software logic to remove transfers associated with projects that have already been completed and in service. As a result, the software logic was corrected to retain planned transfers if associated with a completed project.

2.3. False Positive Duct Bank Needs

In compiling its initial GNA, SCE implemented software logic to query planning databases to retrieve underground duct bank models (number of conduits, size of conduits, circuits present in conduit) and model the thermal conditions under forecasted load. SCE identified that the logic implemented was querying duct bank models from previous planning cycles in an attempt to report the worst case scenario. As a result, the initial GNA included duct bank needs that have been addressed by a project in previous planning cycles. This has been corrected.

2.4. Infrastructure Replacement Driven 4 kV Elimination

SCE's June 1, 2018 GNA inadvertently included needs associated with 4 kV substation and circuit elimination that do not fall within the grid need categories established by D.18-02-004.¹ 4 kV elimination projects are driven by infrastructure that is approaching the end of its expected lifespan, which is not one of the four distribution services adopted by D.16-12-036: Distribution Capacity, Voltage Support, Reliability (Back-Tie), Resiliency (Microgrid). As a result, SCE has excluded grid needs related to 4 kV circuits and substations being eliminated due to aging infrastructure from the Amended 2018 GNA.

3. Issues Affecting Circuit-level Planning Assumptions

This section provides an overview of two distinct issues that SCE identified that impact the circuit-level planning assumptions reflected in SCE's June 1, 2018 GNA. SCE has addressed these issues and provides the revised incremental demand and DER growth in its amended 2018 circuit-level planning assumptions. The amended circuit-level planning assumptions reflect changes to two circuits, as compared to the initial 2018 GNA, due to changes to the incremental base demand forecast: Hines, and Keeline. The amended circuit-level planning assumptions also corrected identification of the circuit name and voltage for 2,440 circuits.

3.1. Circuit Name/Voltage

The circuit voltage reflected in the June 1, 2018 circuit-level planning assumptions was incorrectly linked with the circuit name. As an example, some 12 kV circuits were indicated as 4 kV. SCE has corrected the logic to assign the correct voltage to each circuit.

3.2. Incremental Load Growth

Known load growth projects (e.g., customer requests to serve new load) are classified as either "included" in, or "incremental" to the system-level California Energy Commission (CEC) Integrated Energy Policy

¹ See D.18-02-004, at p. 35.

Report (IEPR) forecast. Upon further investigation into a substation located in the Orange County area, SCE recognized that a selection of known load growth projects were incorrectly documented as being included in IEPR in its planning tool. As a result, the capacity requested by these projects was not treated as incremental to the disaggregated IEPR forecast. SCE re-classified these known load growth projects in its planning tool to correct the growth values for two affected circuits.

4. Changes to Data Redaction

As stated in SCE's Confidential Treatment Motion, SCE is no longer proposing to redact the following categories of information in its 2018 GNA: "Existing facility/equipment rating;" and "Forecasted percentage deficiency above the existing facility/equipment rating over five years." Accordingly, this amended 2018 GNA has removed the redactions.

5. Overall Changes to the Amended GNA

SCE has successfully addressed all identified issues affecting the accuracy and completeness of its initial GNA and circuit-level planning assumptions. Table 1 provides a summary of changes.

Table 1: Overall GNA Changes

	Distribution Circuit Capacity	Duct Bank	Substation	Sub-transmission Line	Total
Count of Needs Added	53	103	2	0	158
Count of Needs Unchanged	37	67	16	42	162
Count of Needs Changed	58	164	35	1	258
Count of Needs Removed	17	60	6	0	83

In addition to the changes to the GNA summarized above, the following changes are reflected in the amended circuit-level planning assumptions. Two circuits were impacted by changes to the incremental base demand forecast: Hines, and Keeline. 2,440 circuits were documented with the incorrect voltage. All of these have been corrected in the amended circuit-level planning assumptions.

Substation / Subtransmission Line	Circuit	Element Identifier	Distribution Service Required	Primary Driver of Grid Need	Operating Date	Equipment			Deficiency (%)					Deficiency (MW, °C, V _{pu})				
						Element	Rating	Units	2018	2019	2020	2021	2022	2018 ¹	2019 ¹	2020 ¹	2021 ¹	2022 ¹
Alder 66/12		B-Bank	Capacity	Demand Growth	6/1/2018	Substation	147.1 MW		1.7%	1.9%	1.6%	1.4%	1.4%	2.5	2.8	2.4	2.0	2.0
Athens 16/4.16		B-Bank	Capacity	Demand Growth	6/1/2018	Substation	7.5 MW		1.4%	1.5%	1.8%	2.1%	2.9%	0.1	0.1	0.1	0.2	0.2
Baker 115/12		B-Bank	Capacity	Demand Growth	6/1/2019	Substation	6.2 MW		0.0%	51.2%	51.0%	50.8%	50.7%	0.0	3.2	3.2	3.1	3.1
Barstow 33/12		B-Bank	Capacity	Demand Growth	6/1/2022	Substation	12.2 MW		0.0%	0.0%	0.0%	0.0%	8.6%	0.0	0.0	0.0	0.0	1.1
Bartolo 12/4.16		B-Bank	Capacity	Demand Growth	6/1/2018	Substation	7.7 MW		2.7%	2.5%	2.5%	2.5%	2.5%	0.2	0.2	0.2	0.2	0.2
Bassett 66/12		B-Bank	Capacity	Demand Growth	6/1/2018	Substation	92.4 MW		3.5%	3.3%	3.4%	3.4%	4.2%	3.2	3.0	3.1	3.2	3.9
Casper P.T. 16/4.16		B-Bank	Capacity	Demand Growth	12/31/2018	Substation	0.1 MW		2.1%	2.6%	2.8%	2.2%	2.9%	0.0	0.0	0.0	0.0	0.0
Colton 66/12		B-Bank	Capacity	Demand Growth	6/1/2018	Substation	37.2 MW		4.8%	4.3%	4.0%	3.5%	3.1%	1.8	1.6	1.5	1.3	1.2
Crater 66/16		B-Bank	Capacity	Demand Growth	6/1/2021	Substation	36.2 MW		0.0%	0.0%	0.0%	5.4%	5.8%	0.0	0.0	0.0	1.9	2.1
Crestwind U.G.S. 16/4.16		B-Bank	Capacity	Demand Growth	6/1/2018	Substation	1.5 MW		15.1%	15.5%	16.3%	0.0%	0.0%	0.2	0.2	0.2	0.0	0.0
Cummings 66/12		B-Bank	Capacity	Demand Growth	6/1/2018	Substation	25.0 MW		3.9%	3.6%	3.3%	2.9%	2.6%	1.0	0.9	0.8	0.7	0.6
Davidson City 12/4.16		B-Bank	Capacity	Demand Growth	6/1/2018	Substation	7.7 MW		8.0%	0.0%	0.0%	0.0%	0.0%	0.6	0.0	0.0	0.0	0.0
Deep Springs 55/2.4		B-Bank	Capacity	Demand Growth	6/1/2018	Substation	0.5 MW		29.9%	29.7%	29.4%	29.2%	29.0%	0.1	0.1	0.1	0.1	0.1
Eisenhower 115/12		B-Bank	Capacity	Demand Growth	6/1/2018	Substation	58.5 MW		1.3%	1.9%	1.9%	1.8%	2.2%	0.8	1.1	1.1	1.1	1.3
Fruitland 66/16		B-Bank	Capacity	Demand Growth	6/1/2021	Substation	43.7 MW		0.0%	0.0%	0.0%	1.5%	2.8%	0.0	0.0	0.0	0.7	1.2
Ganesha 12/4.16		B-Bank	Capacity	Demand Growth	6/1/2018	Substation	7.7 MW		1.5%	1.8%	2.7%	3.5%	5.7%	0.1	0.1	0.2	0.3	0.4
Garnet 115/33		B-Bank	Capacity	Demand Growth	6/1/2019	Substation	136.8 MW		0.0%	6.4%	38.4%	55.1%	61.4%	0.0	8.7	52.6	75.4	83.9
Goshen 66/12		B-Bank	Capacity	Demand Growth	6/1/2019	Substation	30.4 MW		0.0%	3.5%	7.2%	9.7%	14.5%	0.0	1.1	2.2	3.0	4.4
Great Lakes 66/12		B-Bank	Capacity	Demand Growth	6/1/2018	Substation	10.1 MW		2.1%	2.3%	3.0%	3.6%	25.3%	0.2	0.2	0.3	0.4	2.6
Hathaway 66/12		B-Bank	Capacity	Demand Growth	6/1/2022	Substation	52.1 MW		0.0%	0.0%	0.0%	0.8%	0.0	0.0	0.0	0.0	0.4	
Imperial 66/12		B-Bank	Capacity	Demand Growth	6/1/2018	Substation	48.5 MW		0.8%	0.4%	0.1%	0.0%	0.0%	0.4	0.2	0.0	0.0	0.0
Isabella 66/12		B-Bank	Capacity	Demand Growth	6/1/2018	Substation	18.6 MW		24.9%	24.8%	24.8%	24.7%	0.0%	4.6	4.6	4.6	4.6	0.0
Job P.T. 12/2.4		B-Bank	Capacity	Demand Growth	12/31/2018	Substation	0.7 MW		15.9%	16.1%	16.3%	15.9%	16.3%	0.1	0.1	0.1	0.1	0.1
Kearney P.T. 16/2.4		B-Bank	Capacity	Demand Growth	6/1/2018	Substation	0.4 MW		7.6%	4.8%	1.2%	0.0%	0.0%	0.0	0.0	0.0	0.0	0.0
Lancaster 66/12		B-Bank	Capacity	Demand Growth	6/1/2021	Substation	100.5 MW		0.0%	0.2%	0.0%	11.8%	11.4%	0.0	0.2	0.0	11.8	11.4
Lennox 66/16		B-Bank	Capacity	Demand Growth	6/1/2021	Substation	56.1 MW		0.0%	0.0%	0.0%	8.4%	15.6%	0.0	0.0	0.0	4.7	8.7
Maxwell 115/12		B-Bank	Capacity	Demand Growth	6/1/2018	Substation	109.6 MW		2.4%	2.4%	2.8%	3.0%	3.8%	2.7	2.6	3.1	3.2	4.1
Merced 66/12		B-Bank	Capacity	Demand Growth	6/1/2018	Substation	72.2 MW		4.8%	7.8%	8.5%	9.1%	11.0%	3.5	5.6	6.1	6.6	7.9
Narrows 66/12		B-Bank	Capacity	Demand Growth	6/1/2022	Substation	105.3 MW		0.0%	0.0%	0.0%	0.0%	0.6%	0.0	0.0	0.0	0.0	0.6
Ontario 12/4.16		B-Bank	Capacity	Demand Growth	6/1/2018	Substation	11.1 MW		13.9%	13.8%	13.9%	13.8%	14.1%	1.5	1.5	1.5	1.5	1.6
Padua 66/12		B-Bank	Capacity	Demand Growth	6/1/2018	Substation	145.4 MW		1.6%	1.6%	1.7%	1.7%	2.1%	2.3	2.3	2.5	2.4	3.1
Par P.T. 16/2.4		B-Bank	Capacity	Demand Growth	6/1/2018	Substation	0.2 MW		3.0%	3.2%	3.3%	2.9%	3.1%	0.0	0.0	0.0	0.0	0.0
Pedley 66/12		B-Bank	Capacity	Demand Growth	6/1/2020	Substation	72.8 MW		0.0%	0.0%	0.1%	0.2%	0.9%	0.0	0.0	0.1	0.2	0.7
Perez 33/4.16		B-Bank	Capacity	Demand Growth	6/1/2018	Substation	2.5 MW		8.5%	8.7%	0.0%	0.0%	0.0%	0.2	0.2	0.0	0.0	0.0
Randall 66/12		B-Bank	Capacity	Demand Growth	6/1/2019	Substation	129.9 MW		0.0%	0.9%	1.2%	1.2%	1.9%	0.0	1.2	1.5	1.6	2.5
Rivera 12/4.16		B-Bank	Capacity	Demand Growth	6/1/2018	Substation	15.0 MW		3.3%	3.2%	3.2%	3.1%	3.1%	0.5	0.5	0.5	0.5	0.5
Roadway 115/12		B-Bank	Capacity	Demand Growth	6/1/2018	Substation	61.1 MW		27.6%	41.5%	95.6%	100.6%	101.1%	16.8	25.4	58.4	61.5	61.8
San Antonio 66/12		B-Bank	Capacity	Demand Growth	6/1/2018	Substation	124.9 MW		3.9%	3.8%	3.8%	3.7%	4.3%	4.9	4.7	4.7	5.4	5.4
San Dimas 66/12		B-Bank	Capacity	Demand Growth	6/1/2020	Substation	110.2 MW		0.0%	0.0%	0.3%	0.9%	2.9%	0.0	0.0	0.3	0.9	3.2
Santiago 66/12		B-Bank	Capacity	Demand Growth	6/1/2022	Substation	202.0 MW		0.0%	0.0%	0.0%	0.0%	0.2%	0.0	0.0	0.0	0.0	0.5
Sawtelle 66/16		B-Bank	Capacity	Demand Growth	6/1/2019	Substation	28.8 MW		0.0%	28.7%	28.2%	27.5%	0.0%	0.0	8.3	8.1	7.9	0.0
Signal Hill 66/12		B-Bank	Capacity	Demand Growth	6/1/2019	Substation	35.5 MW		0.0%	0.5%	0.1%	0.0%	0.0%	0.0	0.2	0.0	0.0	0.0
Soquel 66/12		B-Bank	Capacity	Demand Growth	6/1/2019	Substation	72.3 MW		0.0%	0.1%	0.2%	0.2%	1.4%	0.0	0.1	0.1	0.1	1.0
Stadium 66/12		B-Bank	Capacity	Demand Growth	6/1/2019	Substation	90.6 MW		0.0%	10.1%	10.2%	10.0%	10.6%	0.0	9.2	9.2	9.0	9.6
Sullivan 66/12		B-Bank	Capacity	Demand Growth	6/1/2019	Substation	71.6 MW		0.0%	2.9%	4.2%	3.7%	3.4%	0.0	2.1	3.0	2.6	2.4
Sun City 115/12		B-Bank	Capacity	Demand Growth	6/1/2022	Substation	72.7 MW		0.0%	0.0%	0.0%	0.5%	5.2%	0.0	0.0	0.0	0.0	3.8
Sunlight P.T. 12/4.16		B-Bank	Capacity	Demand Growth	6/1/2018	Substation	1.0 MW		14.9%	15.0%	15.3%	15.3%	16.2%	0.1	0.1	0.1	0.1	0.2
Terra Bella 66/12		B-Bank	Capacity	Demand Growth	12/31/2018	Substation	20.3 MW		28.7%	40.3%	41.5%	42.9%	42.8%	5.8	8.2	8.4	8.7	8.7
Upland 66/12		B-Bank	Capacity	Demand Growth	6/1/2018	Substation	88.6 MW		1.6%	3.0%	3.0%	3.0%	3.5%	1.4	2.7	2.7	3.1	3.1
Vera 66/12		B-Bank	Capacity	Demand Growth	6/1/2021	Substation	64.1 MW		0.0%	0.0%	0.0%	9.8%	13.3%	0.0	0.0	0.0	6.3	8.5
Victor 115/33		B-Bank	Capacity	Demand Growth	6/1/2018	Substation	95.8 MW		9.2%	19.3%	19.7%	19.3%	18.8%	8.8	18.5	18.9	18.5	18.0
Walnut 66/12		B-Bank	Capacity	Demand Growth	6/1/2018	Substation	109.8 MW		3.1%	3.0%	3.0%	2.5%	3.0%	3.4	3.3	3.3	2.7	3.3
Zack 55/12		B-Bank	Capacity	Demand Growth	6/1/2018	Substation	4.7 MW		15.3%	119.6%	123.9%	129.0%	139.6%	0.7	5.6	5.8	6.1	6.6
Aha P.T. 33/12	Aha	Distribution Feeder	Capacity	Demand Growth	6/1/2020	Distribution	3.5 MW		0.0%	0.0%	0.8%	1.5%	3.4%	0.0	0.0	0.0	0.1	0.1
Alder 66/12	Augusta	Distribution Feeder	Capacity	Demand Growth	6/1/2019	Distribution	12.0 MW		0.0%	3.4%	3.2%	3.0%	3.1%	0.0	0.4	0.4	0.4	0.4
Alessandro 115/33	Hammock	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	28.7 MW		6.2%	6.7%	7.6%	8.7%	11.3%	1.8	1.9	2.2	2.5	3.2
Alhambra 66/16	Tri City	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	16.2 MW		6.2%	6.2%	6.3%	6.2%	6.8%	1.0	1.0	1.0	1.0	1.1

Substation / Subtransmission Line	Circuit	Element Identifier	Distribution Service Required	Primary Driver of Grid Need	Operating Date	Equipment			Deficiency (%)					Deficiency (MW, °C, V _{pu})				
						Element	Rating	Units	2018	2019	2020	2021	2022	2018'	2019'	2020'	2021'	2022'
Archibald 66/12	Danish	Distribution Feeder	Capacity	Demand Growth	6/1/2021	Distribution	12.0 MW	0.0%	0.0%	0.0%	3.7%	0.0%	0.0	0.0	0.0	0.4	0.0	
Arroyo 16/4.16	Berkshire	Distribution Feeder	Capacity	Demand Growth	6/1/2019	Distribution	2.9 MW	0.0%	1.0%	1.8%	2.6%	4.8%	0.0	0.0	0.1	0.1	0.1	
Athens 16/4.16	Anzac	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	2.0 MW	21.1%	21.2%	21.6%	22.2%	23.1%	0.4	0.4	0.4	0.4	0.5	
Athens 16/4.16	Plum	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	2.0 MW	11.6%	11.6%	11.9%	12.1%	12.8%	0.2	0.2	0.2	0.2	0.3	
Auld 115/12	Beeler	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	12.0 MW	16.4%	16.3%	16.4%	2.3%	2.5%	2.0	2.0	2.0	0.3	0.3	
Auld 115/12	Thoroughbred	Distribution Feeder	Capacity	Demand Growth	6/1/2022	Distribution	12.0 MW	0.0%	0.0%	0.0%	0.0%	1.7%	0.0	0.0	0.0	0.0	0.2	
Auld 115/12	Appalousa	Distribution Feeder	Capacity	Demand Growth	6/1/2021	Distribution	12.0 MW	0.0%	0.0%	0.0%	4.2%	15.1%	0.0	0.0	0.0	0.5	1.8	
Baker 115/12	Inn	Distribution Feeder	Capacity	Demand Growth	6/1/2019	Distribution	5.2 MW	0.0%	66.6%	66.5%	66.3%	66.2%	0.0	3.5	3.5	3.5	3.5	
Bartolo 12/4.16	Bexley	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	2.3 MW	19.5%	19.3%	19.2%	18.8%	18.6%	0.4	0.4	0.4	0.4	0.4	
Bartolo 12/4.16	Durfee	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	2.3 MW	18.9%	18.7%	18.5%	18.2%	18.0%	0.4	0.4	0.4	0.4	0.4	
Basta 12/4.16	Jaymac	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	2.9 MW	3.7%	3.6%	3.9%	3.9%	3.9%	0.1	0.1	0.1	0.1	0.1	
Belvedere 16/4.16	Ditman	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	2.4 MW	17.7%	17.5%	17.4%	17.2%	17.0%	0.4	0.4	0.4	0.4	0.4	
Blythe City 33/33	Chanslor	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	28.7 MW	11.1%	11.0%	10.9%	10.7%	10.6%	3.2	3.2	3.1	3.1	3.1	
Brewster 16/4.16	Alberta	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	2.3 MW	8.7%	8.8%	8.9%	9.0%	9.1%	0.2	0.2	0.2	0.2	0.2	
Brewster 16/4.16	Platt	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	1.6 MW	2.5%	2.6%	2.7%	2.7%	2.8%	0.0	0.0	0.0	0.0	0.0	
Bullis 66/4.16	Rayborn	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	2.9 MW	7.2%	7.1%	7.2%	7.2%	7.4%	0.2	0.2	0.2	0.2	0.2	
Bullis 66/4.16	Tucker	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	2.3 MW	23.9%	24.0%	24.2%	24.5%	25.1%	0.5	0.5	0.5	0.6	0.6	
Bunker 115/12	Helicopter	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	12.0 MW	3.3%	3.5%	4.1%	4.8%	6.3%	0.4	0.4	0.5	0.6	0.8	
Chase 66/12	Bobbit	Distribution Feeder	Capacity	Demand Growth	6/1/2021	Distribution	12.0 MW	0.0%	0.0%	0.0%	9.2%	12.9%	0.0	0.0	0.0	1.1	1.5	
Chase 66/12	California	Distribution Feeder	Capacity	Demand Growth	6/1/2021	Distribution	12.0 MW	0.0%	0.0%	23.6%	27.5%	0.0	0.0	0.0	0.0	2.8	3.3	
Chase 66/12	Wyle	Distribution Feeder	Capacity	Demand Growth	6/1/2021	Distribution	12.0 MW	0.0%	0.0%	0.0%	0.3%	5.1%	0.0	0.0	0.0	0.0	0.6	
Clark 66/4.16	Faust	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	2.0 MW	8.8%	9.1%	9.4%	9.2%	9.9%	0.2	0.2	0.2	0.2	0.2	
Clark 66/4.16	Josie	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	2.9 MW	15.7%	15.8%	16.0%	15.9%	16.4%	0.5	0.5	0.5	0.5	0.5	
Clark 66/4.16	Stevely	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	2.9 MW	2.7%	2.6%	2.5%	2.3%	2.4%	0.1	0.1	0.1	0.1	0.1	
Coffee 33/12	Cafe	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	12.0 MW	5.4%	5.3%	5.3%	5.2%	5.2%	0.6	0.6	0.6	0.6	0.6	
Coffee 33/12	Yuban	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	12.0 MW	7.4%	7.1%	6.9%	6.7%	6.6%	0.9	0.8	0.8	0.8	0.8	
Colorado 66/4.16	Chelsea	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	2.4 MW	0.8%	1.3%	1.9%	2.1%	2.9%	0.0	0.0	0.0	0.0	0.1	
Compton 16/4.16	Crane	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	2.4 MW	7.0%	7.0%	7.0%	7.0%	7.3%	0.2	0.2	0.2	0.2	0.2	
Concha 115/12	Taberna	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	12.0 MW	2.8%	0.0%	0.0%	0.0%	0.0%	0.3	0.0	0.0	0.0	0.0	
Costa Mesa 12/4.16	Cape	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	1.9 MW	1.6%	1.9%	2.3%	1.9%	2.2%	0.0	0.0	0.0	0.0	0.0	
Crestwind U.G.S. 16/4.16	Crestwind	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	1.6 MW	5.0%	5.4%	6.1%	0.0%	0.0%	0.1	0.1	0.1	0.0	0.0	
Cucamonga 66/12	Earnhardt	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	12.0 MW	16.9%	16.8%	16.5%	16.0%	15.7%	2.0	2.0	2.0	1.9	1.9	
Cucamonga 66/12	Ruttman	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	12.0 MW	13.5%	14.7%	15.4%	16.3%	18.9%	1.6	1.8	1.8	2.0	2.3	
Cummings 66/12	Caliente	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	10.4 MW	21.0%	20.7%	20.4%	20.1%	19.8%	2.2	2.2	2.1	2.1	2.1	
Deep Springs 55/2.4	Sylvania	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	0.5 MW	24.1%	23.9%	23.6%	23.4%	23.2%	0.1	0.1	0.1	0.1	0.1	
Del Su 66/12	Lloyd	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	8.8 MW	7.4%	7.3%	7.3%	7.4%	7.6%	0.6	0.6	0.6	0.6	0.7	
Devers 115/12	Invader	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	12.0 MW	6.8%	35.1%	35.2%	35.3%	35.7%	0.8	4.2	4.2	4.2	4.3	
Downey 12/4.16	Nash	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	2.9 MW	18.5%	18.2%	18.0%	17.6%	17.3%	0.5	0.5	0.5	0.5	0.5	
Downey 12/4.16	Otto	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	2.9 MW	20.7%	20.6%	20.5%	20.3%	20.2%	0.6	0.6	0.6	0.6	0.6	
Duarte 16/4.16	Sanitarium	Distribution Feeder	Capacity	Demand Growth	6/1/2020	Distribution	2.9 MW	0.4%	1.0%	2.3%	3.5%	20.8%	0.0	0.0	0.1	0.1	0.6	
Edinger 12/4.16	Anahurst	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	2.4 MW	21.8%	21.8%	22.0%	0.0%	0.0%	0.5	0.5	0.5	0.0	0.0	
Edinger 12/4.16	Cubbon	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	1.6 MW	16.1%	16.1%	16.3%	0.0%	0.0%	0.3	0.3	0.3	0.0	0.0	
Edinger 12/4.16	Flower	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	1.6 MW	50.0%	49.9%	50.1%	0.0%	0.0%	0.8	0.8	0.8	0.0	0.0	
Edinger 12/4.16	Main St.	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	1.6 MW	32.9%	33.0%	0.0%	0.0%	0.0%	0.5	0.5	0.0	0.0	0.0	
Edwards 115/33	Castle Butte	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	18.9 MW	35.9%	36.4%	36.8%	37.3%	38.4%	6.8	6.9	7.0	7.2		
Eisenhower 115/33	Crossley	Distribution Feeder	Capacity	Demand Growth	6/1/2020	Distribution	32.9 MW	0.0%	0.0%	94.4%	148.8%	149.3%	0.0	0.0	31.1	49.0	49.2	
Euclid 12/4.16	Galvin	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	2.8 MW	24.9%	25.1%	25.6%	26.4%	28.1%	0.7	0.7	0.7	0.7	0.8	
Fair Oaks 16/4.16	Crosby	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	2.9 MW	6.2%	6.7%	7.5%	7.7%	9.3%	0.2	0.2	0.2	0.2	0.3	
Fairfax 66/16	Edinburg	Distribution Feeder	Capacity	Demand Growth	6/1/2022	Distribution	11.9 MW	0.0%	0.0%	0.0%	0.0%	7.1%	0.0	0.0	0.0	0.0	0.8	
Floriday 12/4.16	Jessup	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	2.9 MW	6.0%	5.7%	5.6%	5.3%	5.1%	0.2	0.2	0.2	0.2	0.1	
Floriday 12/4.16	Gotham	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	2.9 MW	8.9%	8.9%	9.0%	8.8%	9.0%	0.3	0.3	0.3	0.3	0.3	
Ganesha 12/4.16	Tower	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	2.4 MW	6.1%	6.5%	7.3%	8.0%	10.1%	0.1	0.2	0.2	0.2	0.2	
Garfield 66/4.16	Grelvelia	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	2.3 MW	2.2%	2.0%	1.9%	1.5%	1.3%	0.0	0.0	0.0	0.0	0.0	
Garnet 115/33	Coachella	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	32.9 MW	3.7%	6.1%	6.4%	7.0%	7.6%	1.2	2.0	2.1	2.3	2.5	
Garnet 115/33	Pierson	Distribution Feeder	Capacity	Demand Growth	6/1/2020	Distribution	32.9 MW	0.0%	0.0%	57.6%	60.0%	83.9%	0.0	0.0	19.0	19.7	27.6	
Garnet 33/12	San Rafael	Distribution Feeder	Capacity	Demand Growth	6/1/2020	Distribution	8.3 MW	0.0%	0.0%	17.4%	17.5%	18.0%	0.0	0.0	1.5	1.5	1.5	
Garvey 16/4.16	Rural	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	2.9 MW	3.6%	3.7%	0.0%	0.0%	0.0%	0.1	0.1	0.0	0.0	0.0	

Substation / Subtransmission Line	Circuit	Element Identifier	Distribution Service Required	Primary Driver of Grid Need	Operating Date	Equipment			Deficiency (%)					Deficiency (MW, °C, V _{pu})				
						Element	Rating	Units	2018	2019	2020	2021	2022	2018'	2019'	2020'	2021'	2022'
Genamic 66/12	Drone	Distribution Feeder	Capacity	Demand Growth	6/1/2019	Distribution	12.0 MW	0.0%	21.5%	21.5%	21.5%	21.8%	0.0	2.6	2.6	2.6	2.6	
Goshen 66/12	Curtis	Distribution Feeder	Capacity	Demand Growth	6/1/2022	Distribution	10.4 MW	0.0%	0.0%	0.3%	1.4%	3.9%	0.0	0.0	0.0	0.1	0.4	
Great Lakes 66/12	Huron	Distribution Feeder	Capacity	Demand Growth	6/1/2021	Distribution	10.4 MW	0.0%	0.0%	0.0%	0.3%	21.3%	0.0	0.0	0.0	0.0	2.2	
Green Bear P.T. 12/2.4	Green Bear	Distribution Feeder	Capacity	Demand Growth	12/31/2018	Distribution	0.7 MW	3.3%	3.2%	3.1%	2.8%	2.7%	0.0	0.0	0.0	0.0	0.0	
Haveda 16/4.16	Manuel	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	2.0 MW	2.1%	2.7%	2.9%	2.1%	2.4%	0.0	0.1	0.1	0.0	0.0	
Imperial 66/4.16	Rex	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	2.9 MW	15.1%	15.0%	14.9%	14.6%	14.4%	0.4	0.4	0.4	0.4	0.4	
Irvine 66/12	Hines	Distribution Feeder	Capacity	Demand Growth	6/1/2020	Distribution	12.0 MW	0.0%	0.0%	17.6%	30.9%	44.3%	0.0	0.0	2.1	3.7	5.3	
Irvine 66/12	Keeline	Distribution Feeder	Capacity	Demand Growth	6/1/2019	Distribution	12.0 MW	0.0%	0.2%	6.7%	5.9%	5.0%	0.0	0.0	0.8	0.7	0.6	
Ivyglen 115/12	Chuck Wagon	Distribution Feeder	Capacity	Demand Growth	6/1/2020	Distribution	12.0 MW	0.0%	0.0%	8.7%	18.8%	29.4%	0.0	0.0	1.0	2.2	3.5	
Job P.T. 12/2.4	Job	Distribution Feeder	Capacity	Demand Growth	12/31/2018	Distribution	0.6 MW	16.0%	16.3%	16.5%	16.1%	16.5%	0.1	0.1	0.1	0.1	0.1	
Kimball 66/12	Blackwidow	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	12.0 MW	20.8%	21.2%	21.7%	21.9%	23.1%	2.5	2.5	2.6	2.6	2.8	
Kimball 66/12	Fortress	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	12.0 MW	6.9%	7.0%	7.3%	7.4%	8.2%	0.8	0.8	0.9	0.9	1.0	
Kimball 66/12	Hellcat	Distribution Feeder	Capacity	Demand Growth	6/1/2021	Distribution	12.0 MW	0.0%	0.0%	0.0%	8.3%	20.0%	0.0	0.0	0.0	1.0	2.4	
La Canada 16/4.16	Flintridge	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	2.9 MW	10.9%	10.8%	10.7%	10.5%	10.5%	0.3	0.3	0.3	0.3	0.3	
Lampson 66/12	Elephant	Distribution Feeder	Capacity	Demand Growth	6/1/2019	Distribution	12.0 MW	0.0%	20.0%	31.7%	30.9%	30.3%	0.0	2.4	3.8	3.7	3.6	
Layfair 66/12	Sam	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	9.5 MW	15.1%	14.6%	14.2%	13.8%	13.3%	1.4	1.4	1.4	1.3	1.3	
Lennox 66/16	Ryan	Distribution Feeder	Capacity	Demand Growth	6/1/2021	Distribution	9.2 MW	0.0%	0.0%	0.0%	23.9%	32.8%	0.0	0.0	0.0	2.2	3.0	
Linden 12/4.16	Bernard	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	1.6 MW	6.6%	6.8%	7.4%	7.2%	7.1%	0.1	0.1	0.1	0.1	0.1	
Lindsay 66/12	Burr	Distribution Feeder	Capacity	Demand Growth	6/1/2021	Distribution	10.4 MW	0.0%	0.0%	0.0%	2.8%	4.2%	0.0	0.0	0.0	0.3	0.4	
Lindsay 66/12	Cairns	Distribution Feeder	Capacity	Demand Growth	12/31/2022	Distribution	10.4 MW	0.0%	0.2%	0.8%	1.5%	3.0%	0.0	0.0	0.1	0.2	0.3	
Lockheed 66/16	Starfighter	Distribution Feeder	Capacity	Demand Growth	6/1/2022	Distribution	16.2 MW	0.0%	0.0%	0.0%	0.0%	2.5%	0.0	0.0	0.0	0.0	0.4	
Maraschino 115/12	Napoleon	Distribution Feeder	Capacity	Demand Growth	6/1/2019	Distribution	12.0 MW	0.0%	3.4%	8.8%	9.1%	10.1%	0.0	0.4	1.1	1.1	1.2	
Maraschino 115/12	Ranier	Distribution Feeder	Capacity	Demand Growth	6/1/2019	Distribution	10.6 MW	0.0%	10.9%	2.3%	2.9%	4.3%	0.0	1.2	0.2	0.3	0.5	
Maraschino 115/12	Lapins	Distribution Feeder	Capacity	Demand Growth	6/1/2019	Distribution	12.0 MW	0.0%	12.5%	18.0%	18.4%	19.6%	0.0	1.5	2.2	2.2	2.3	
Maraschino 115/12	Morello	Distribution Feeder	Capacity	Demand Growth	6/1/2020	Distribution	12.0 MW	0.0%	0.0%	46.3%	46.8%	48.0%	0.0	0.0	5.5	5.6	5.7	
Mayberry 115/12	Dartmouth	Distribution Feeder	Capacity	Demand Growth	6/1/2019	Distribution	12.0 MW	0.0%	1.5%	1.7%	1.9%	15.7%	0.0	0.2	0.2	0.2	1.9	
Mentone 115/12	Hass	Distribution Feeder	Capacity	Demand Growth	6/1/2022	Distribution	10.4 MW	0.0%	0.0%	0.4%	1.1%	3.2%	0.0	0.0	0.1	0.1	0.3	
Mira Loma 66/12	Brewer	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	12.0 MW	14.7%	19.9%	19.9%	26.8%	31.8%	1.8	2.4	2.4	3.2	3.8	
Moorpark 66/16	Collins	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	16.2 MW	10.2%	9.8%	9.4%	8.9%	8.7%	1.7	1.6	1.5	1.4	1.4	
Muscoy 33/4.16	Power	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	2.9 MW	3.4%	3.4%	3.2%	2.8%	2.3%	0.1	0.1	0.1	0.1	0.1	
Narrows 66/12	Julep	Distribution Feeder	Capacity	Demand Growth	6/1/2019	Distribution	12.0 MW	0.0%	13.3%	13.8%	14.4%	15.6%	0.0	1.6	1.6	1.7	1.9	
Newbury 66/16	Hooligan	Distribution Feeder	Capacity	Demand Growth	6/1/2020	Distribution	16.2 MW	5.6%	6.0%	6.5%	7.3%	9.1%	0.9	1.0	1.1	1.2	1.5	
Newcomb 115/12	Oakdale	Distribution Feeder	Capacity	Demand Growth	6/1/2019	Distribution	12.0 MW	0.0%	4.6%	14.5%	14.3%	14.1%	0.0	0.6	1.7	1.7	1.7	
Newhall 66/16	Calgrove	Distribution Feeder	Capacity	Demand Growth	6/1/2020	Distribution	16.2 MW	0.0%	0.0%	3.6%	14.7%	23.7%	0.0	0.0	0.6	2.4	3.8	
Newhall 66/16	Lyons	Distribution Feeder	Capacity	Demand Growth	6/1/2021	Distribution	16.2 MW	0.0%	0.0%	0.0%	8.9%	17.8%	0.0	0.0	0.0	1.4	2.9	
Niguel 66/12	Bassoon	Distribution Feeder	Capacity	Demand Growth	6/1/2019	Distribution	12.0 MW	1.4%	3.1%	2.6%	2.2%	2.3%	0.2	0.4	0.3	0.3	0.3	
Niguel 66/12	Trombone	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	12.0 MW	3.7%	7.4%	7.5%	7.5%	8.0%	0.4	0.9	0.9	0.9	1.0	
Oldfield 12/4.16	Market	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	2.9 MW	10.2%	10.2%	10.2%	10.2%	10.2%	0.3	0.3	0.3	0.3	0.3	
Ontario 12/4.16	Curran	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	2.4 MW	35.0%	34.9%	35.0%	35.0%	35.3%	0.8	0.8	0.8	0.8	0.8	
Ontario 12/4.16	Ostran	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	2.8 MW	10.8%	10.7%	10.7%	10.6%	10.8%	0.3	0.3	0.3	0.3	0.3	
Padua 66/12	Verdi	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	10.6 MW	6.2%	6.1%	6.2%	6.1%	6.5%	0.7	0.6	0.7	0.6	0.7	
Pechanga 115/12	Lobo	Distribution Feeder	Capacity	Demand Growth	6/1/2022	Distribution	12.0 MW	0.3%	0.5%	1.0%	1.5%	3.2%	0.0	0.1	0.2	0.4	0.4	
Pechanga 115/12	Noche	Distribution Feeder	Capacity	Demand Growth	6/1/2022	Distribution	12.0 MW	0.0%	0.0%	0.5%	2.2%	0.0	0.0	0.0	0.1	0.3		
Pedley 66/12	Quarry	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	9.1 MW	11.5%	11.6%	11.9%	12.1%	13.0%	1.0	1.1	1.1	1.1	1.2	
Pedley 66/12	Snipes	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	12.0 MW	1.9%	2.0%	2.2%	2.4%	3.2%	0.2	0.2	0.3	0.3	0.4	
Phelan 115/12	Keno	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	10.4 MW	6.7%	6.7%	7.0%	7.2%	7.9%	0.7	0.7	0.7	0.8	0.8	
Pomona 12/4.16	Garey	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	2.4 MW	8.3%	8.4%	8.8%	8.9%	10.0%	0.2	0.2	0.2	0.2	0.2	
Pomona 12/4.16	Gibbs	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	2.4 MW	9.1%	9.2%	9.6%	9.9%	10.8%	0.2	0.2	0.2	0.2	0.3	
Portuguese Bend P.T. 16/4.16	Portuguese Bend	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	0.3 MW	66.9%	67.0%	67.1%	66.7%	66.8%	0.2	0.2	0.2	0.2	0.2	
Potro 66/16	Vaquero	Distribution Feeder	Capacity	Demand Growth	6/1/2020	Distribution	16.2 MW	0.0%	0.0%	8.4%	7.9%	7.7%	0.0	0.0	1.4	1.3	1.2	
Proctor 66/12	Zeus	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	12.0 MW	1.7%	2.1%	2.9%	3.9%	5.9%	0.2	0.3	0.4	0.5	0.7	
Randall 66/12	Nicklin	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	12.0 MW	1.2%	7.6%	7.8%	7.9%	8.6%	0.1	0.9	0.9	1.0	1.0	
Rivera 12/4.16	Topeka	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	2.9 MW	4.5%	4.5%	4.5%	4.4%	4.4%	0.1	0.1	0.1	0.1	0.1	
Riverway 66/12	Gila	Distribution Feeder	Capacity	Demand Growth	6/1/2019	Distribution	12.0 MW	0.0%	6.9%	6.8%	24.8%	24.8%	0.0	0.8	0.8	3.0	3.0	
Riverway 66/12	Rio Grande	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	12.0 MW	2.8%	3.3%	4.2%	5.0%	6.7%	0.3	0.4	0.5	0.6	0.8	
Roadway 115/12	Caterpillar	Distribution Feeder	Capacity	Demand Growth	6/1/2021	Distribution	12.0 MW	0.0%	0.0%	14.0%	14.6%	0.0	0.0	0.0	1.7	1.7		
Roadway 115/12	International	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	12.0 MW	6.2%	0.0%	0.0%	0.0%	0.0%	0.7	0.0	0.0	0.0	0.0	

Substation / Subtransmission Line	Circuit	Element Identifier	Distribution Service Required	Primary Driver of Grid Need	Operating Date	Equipment			Deficiency (%)					Deficiency (MW, °C, V _{pu})				
						Element	Rating	Units	2018	2019	2020	2021	2022	2018'	2019'	2020'	2021'	2022'
Roadway 115/12	Peterbilt	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	12.0 MW	5.8%	5.5%	5.4%	5.3%	5.6%	0.7	0.7	0.6	0.6	0.7	
Rosemead 66/16	Gladys	Distribution Feeder	Capacity	Demand Growth	6/1/2021	Distribution	14.3 MW	0.0%	0.0%	0.0%	12.2%	12.0%	0.0	0.0	0.0	0.0	1.7	1.7
San Antonio 66/12	Gaylord	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	12.0 MW	11.4%	11.6%	11.5%	11.4%	11.7%	1.4	1.4	1.4	1.4	1.4	
San Antonio 66/12	Lehigh	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	12.0 MW	3.1%	3.0%	3.1%	3.2%	3.7%	0.4	0.4	0.4	0.4	0.4	
San Antonio 66/12	Pitzer	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	12.0 MW	8.0%	7.9%	8.0%	8.0%	8.6%	1.0	0.9	1.0	1.0	1.0	
San Antonio 66/12	Satellite	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	12.0 MW	10.1%	9.7%	9.5%	9.1%	9.2%	1.2	1.2	1.1	1.1	1.1	
San Dimas 66/12	Cataract	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	12.0 MW	3.7%	4.0%	4.8%	5.4%	7.2%	0.4	0.5	0.6	0.6	0.9	
San Dimas 66/12	Bonita	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	12.0 MW	1.2%	1.0%	1.3%	1.5%	2.9%	0.1	0.1	0.1	0.2	0.3	
San Dimas 66/12	Kranzer	Distribution Feeder	Capacity	Demand Growth	6/1/2022	Distribution	12.0 MW	0.0%	0.0%	0.4%	0.8%	2.4%	0.0	0.0	0.0	0.1	0.3	
Santa Barbara 66/4.16	Gutierrez	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	2.2 MW	4.7%	4.6%	4.6%	4.6%	4.6%	0.1	0.1	0.1	0.1	0.1	
Santa Fe Springs 66/12	Painter	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	12.0 MW	3.4%	2.5%	2.5%	2.5%	2.5%	0.4	0.3	0.3	0.3	0.3	
Santiago 66/12	Tolar	Distribution Feeder	Capacity	Demand Growth	6/1/2020	Distribution	12.0 MW	0.0%	0.0%	13.4%	0.0%	0.0%	0.0	0.0	1.6	0.0	0.0	
Sierra Madre 16/4.16	Mohawk	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	2.1 MW	22.6%	22.9%	23.6%	24.0%	25.8%	0.5	0.5	0.5	0.5	0.5	
Signal Hill 12/4.16	Derrick	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	2.4 MW	5.3%	5.5%	5.8%	6.0%	7.0%	0.1	0.1	0.1	0.1	0.2	
Somerset 66/12	Candle	Distribution Feeder	Capacity	Demand Growth	6/1/2020	Distribution	12.0 MW	0.0%	0.0%	19.4%	18.8%	18.6%	0.0	0.0	2.3	2.3	2.2	
Stewart 66/12	Jimmy	Distribution Feeder	Capacity	Demand Growth	6/1/2022	Distribution	12.0 MW	0.0%	0.0%	0.0%	0.0%	3.5%	0.0	0.0	0.0	0.0	0.4	
Sun City 115/12	Equinox	Distribution Feeder	Capacity	Demand Growth	6/1/2022	Distribution	12.0 MW	0.0%	0.0%	0.0%	0.0%	9.8%	0.0	0.0	0.0	0.0	1.2	
Sunlight P.T. 12/4.16	Sunlight	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	1.0 MW	14.9%	15.0%	15.3%	15.3%	16.2%	0.1	0.1	0.1	0.1	0.2	
Sunnyside 66/4.16	Killdee	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	2.9 MW	3.2%	3.2%	3.4%	3.3%	3.7%	0.1	0.1	0.1	0.1	0.1	
Sunnyside 66/4.16	Sharp	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	2.9 MW	3.8%	3.9%	4.2%	4.0%	4.5%	0.1	0.1	0.1	0.1	0.1	
Tamarisk 115/12	Sumac	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	12.0 MW	6.0%	14.4%	14.1%	13.9%	13.8%	0.7	1.7	1.7	1.7	1.7	
Upland 66/4.16	Colburn	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	2.9 MW	3.3%	3.7%	4.7%	5.6%	7.9%	0.1	0.1	0.1	0.2	0.2	
Upland 66/4.16	Klusman	Distribution Feeder	Capacity	Demand Growth	6/1/2021	Distribution	2.7 MW	0.0%	0.0%	0.9%	2.0%	4.5%	0.0	0.0	0.0	0.1	0.1	
Valley Of The Moon P.T. 12/2/Valley Of The Moon		Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	0.9 MW	9.8%	9.8%	9.8%	9.5%	9.6%	0.1	0.1	0.1	0.1	0.1	
Walteria 66/4.16	Narbonne	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	2.4 MW	1.3%	4.2%	4.2%	4.2%	8.4%	0.0	0.1	0.1	0.2	0.2	
Wheatland 66/12	Beaver	Distribution Feeder	Capacity	Demand Growth	6/1/2020	Distribution	8.8 MW	0.8%	1.5%	2.1%	2.7%	4.3%	0.1	0.1	0.2	0.2	0.4	
Woodruff 12/4.16	Dunrobin	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	2.9 MW	7.4%	7.2%	7.1%	6.8%	6.9%	0.2	0.2	0.2	0.2	0.2	
Woodruff 12/4.16	Ten Pin	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	2.1 MW	3.0%	2.9%	2.9%	2.7%	2.9%	0.1	0.1	0.1	0.1	0.1	
Woodville 66/12	Monroe	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	5.2 MW	16.4%	16.4%	16.6%	16.9%	17.5%	0.9	0.9	0.9	0.9	0.9	
Zack 55/12	Sagehen	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	4.3 MW	8.2%	10.6%	14.9%	19.8%	30.4%	0.4	0.5	0.6	0.9	1.3	
Alder 66/12	Bolor	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	5.9%	4.9%	4.1%	3.5%	3.1%	5.3	4.4	3.7	3.1	2.8	
Alder 66/12	Dorsey	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	15.8%	15.2%	14.9%	14.4%	14.5%	14.3	13.7	13.4	13.0	13.0	
Alder 66/12	Huff	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	3.6%	3.1%	2.8%	2.4%	2.6%	3.3	2.8	2.5	2.2	2.4	
Alder 66/12	Lytle	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	10.6%	9.8%	9.6%	9.2%	9.3%	9.5	8.9	8.7	8.3	8.4	
Alessandro 115/12	Elsworth	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	2.1%	5.0%	5.7%	6.3%	8.3%	1.9	4.5	5.1	5.6	7.5	
Alessandro 115/12	Kingsway	Distribution Feeder	Capacity	Demand Growth	6/1/2022	Distribution	90.0 °Celsius	0.0%	0.0%	0.0%	0.0%	0.4%	0.0	0.0	0.0	0.0	0.4	
Alessandro 115/12	Rivard	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	1.1%	1.3%	1.8%	2.3%	4.2%	1.0	1.1	1.6	2.1	3.8	
Alessandro 115/12	Snyder	Distribution Feeder	Capacity	Demand Growth	6/1/2022	Distribution	90.0 °Celsius	0.0%	0.0%	0.0%	0.0%	0.3%	0.0	0.0	0.0	0.0	0.3	
Alhambra 66/16	Kay	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	5.6%	5.4%	5.6%	5.3%	6.1%	5.1	4.9	5.0	4.8	5.5	
Alhambra 66/16	Test	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	16.6%	16.7%	17.1%	17.0%	18.1%	15.0	15.0	15.0	15.0	15.0	
Alhambra 66/16	Tri City	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	20.0%	1.2%	1.4%	1.2%	1.9%	18.0	1.1	1.3	1.0	1.7	
Amador 66/16	Bryce	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	2.6%	2.1%	0.0%	0.0%	0.0%	2.4	1.9	0.0	0.0	0.0	
Anaverde 66/12	Acrobat	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	19.7%	19.7%	15.1%	15.4%	17.0%	17.7	17.7	13.6	13.9	15.3	
Anaverde 66/12	Quinby	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	25.8%	25.6%	6.6%	6.8%	8.3%	23.3	23.1	6.0	6.1	7.5	
Anaverde 66/12	Ritter	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	17.0%	17.0%	11.5%	11.9%	13.6%	15.3	15.3	10.4	10.7	12.2	
Archibald 66/12	Hofer	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	7.1%	6.3%	5.5%	4.7%	4.1%	6.4	5.7	5.0	4.2	3.7	
Archibald 66/12	Bravon	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	1.2%	1.7%	2.7%	5.4%	0.0%	1.1	1.5	2.5	4.8	0.0	
Archibald 66/12	Danish	Distribution Feeder	Capacity	Demand Growth	6/1/2020	Distribution	90.0 °Celsius	0.0%	0.0%	2.3%	11.7%	0.0%	0.0	0.0	2.1	10.5	0.0	
Auld 115/12	Clydesdale	Distribution Feeder	Capacity	Demand Growth	6/1/2020	Distribution	90.0 °Celsius	0.0%	0.0%	2.6%	8.3%	15.1%	0.0	0.0	2.3	7.5	13.6	
Auld 115/12	Colt	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	5.4%	5.2%	6.8%	8.2%	10.3%	4.8	4.6	6.1	7.4	9.3	
Auld 115/12	Keller	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	3.3%	3.2%	5.0%	6.8%	9.1%	2.9	2.9	4.5	6.1	8.2	
Auld 115/12	Leon	Distribution Feeder	Capacity	Demand Growth	6/1/2021	Distribution	90.0 °Celsius	0.0%	0.0%	0.0%	0.3%	2.0%	0.0	0.0	0.0	0.3	1.8	
Auld 115/12	Beeler	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	5.3%	5.3%	5.3%	0.0%	0.0%	4.8	4.8	4.8	0.0	0.0	
Auld 115/12	Appalousa	Distribution Feeder	Capacity	Demand Growth	6/1/2021	Distribution	90.0 °Celsius	0.0%	0.0%	0.0%	6.8%	19.7%	0.0	0.0	0.0	6.1	17.7	
Auld 115/12	Thoroughbred	Distribution Feeder	Capacity	Demand Growth	6/1/2021	Distribution	90.0 °Celsius	0.0%	0.0%	1.6%	8.7%	0.0	0.0	0.0	0.0	1.4	7.8	
Beverly 66/16	La Peer	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	6.7%	5.8%	5.0%	4.0%	5.9%	6.1	5.2	4.5	3.6	5.3	
Beverly 66/16	Meander	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	1.1%	0.6%	0.1%	0.0%	0.0%	1.0	0.5	0.1	0.0	0.0	

Substation / Subtransmission Line	Circuit	Element Identifier	Distribution Service Required	Primary Driver of Grid Need	Operating Date	Equipment			Deficiency (%)					Deficiency (MW, °C, V _{pu})				
						Element	Rating	Units	2018	2019	2020	2021	2022	2018'	2019'	2020'	2021'	2022'
Beverly 66/16	Playboy	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	7.0%	6.4%	5.8%	5.0%	5.5%	6.3	5.8	5.2	4.5	5.0	
Beverly 66/16	Secretary	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	16.7%	15.9%	15.2%	14.4%	14.6%	15.0	14.3	13.7	13.0	13.1	
Bloomington 66/12	Bobber	Distribution Feeder	Capacity	Demand Growth	6/1/2022	Distribution	90.0 °Celsius	0.0%	0.0%	0.0%	0.0%	1.9%	0.0	0.0	0.0	0.0	1.7	
Bunker 115/12	Ammo	Distribution Feeder	Capacity	Demand Growth	6/1/2022	Distribution	90.0 °Celsius	0.0%	0.0%	0.0%	0.0%	0.7%	0.0	0.0	0.0	0.0	0.6	
Bunker 115/12	Corporal	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	6.6%	7.6%	8.3%	9.1%	11.6%	5.9	6.8	7.5	8.2	10.4	
Bunker 115/12	Helicopter	Distribution Feeder	Capacity	Demand Growth	6/1/2022	Distribution	90.0 °Celsius	0.0%	0.0%	0.0%	0.0%	0.4%	0.0	0.0	0.0	0.0	0.4	
Cabrillo 66/12	Xerox	Distribution Feeder	Capacity	Demand Growth	6/1/2021	Distribution	90.0 °Celsius	0.0%	0.0%	0.0%	2.0%	10.5%	0.0	0.0	0.0	0.0	1.8	
Cajalco 115/12	Plummer	Distribution Feeder	Capacity	Demand Growth	6/1/2020	Distribution	90.0 °Celsius	0.0%	0.0%	4.2%	6.9%	8.4%	0.0	0.0	3.8	6.2	7.6	
Cajalco 115/12	Starglow	Distribution Feeder	Capacity	Demand Growth	6/1/2020	Distribution	90.0 °Celsius	0.0%	0.0%	3.7%	4.9%	6.5%	0.0	0.0	3.3	4.5	5.9	
Chase 66/12	Bobbit	Distribution Feeder	Capacity	Demand Growth	6/1/2021	Distribution	90.0 °Celsius	0.0%	0.0%	0.0%	14.0%	20.1%	0.0	0.0	0.0	0.0	12.6	
Chase 66/12	California	Distribution Feeder	Capacity	Demand Growth	6/1/2021	Distribution	90.0 °Celsius	0.0%	0.0%	0.0%	31.6%	37.2%	0.0	0.0	0.0	0.0	28.4	
Chase 66/12	Ramsgate	Distribution Feeder	Capacity	Demand Growth	6/1/2021	Distribution	90.0 °Celsius	0.0%	0.0%	0.0%	9.9%	12.7%	0.0	0.0	0.0	0.0	8.9	
Chase 66/12	Tolton	Distribution Feeder	Capacity	Demand Growth	6/1/2022	Distribution	90.0 °Celsius	0.0%	0.0%	0.0%	0.0%	0.1%	0.0	0.0	0.0	0.0	0.1	
Chase 66/12	Wyle	Distribution Feeder	Capacity	Demand Growth	6/1/2021	Distribution	90.0 °Celsius	0.0%	0.0%	0.0%	9.3%	16.0%	0.0	0.0	0.0	0.0	8.3	
Chino 66/12	Bandag	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	3.3%	2.4%	1.8%	1.4%	1.7%	2.9	2.2	1.6	1.2	1.5	
Chino 66/12	Calmen	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	2.4%	1.8%	1.2%	1.0%	1.4%	2.2	1.6	1.1	0.9	1.3	
Citrus 66/12	Kumquat	Distribution Feeder	Capacity	Demand Growth	6/1/2022	Distribution	90.0 °Celsius	0.0%	0.0%	0.0%	0.0%	0.1%	0.0	0.0	0.0	0.0	0.1	
Citrus 66/12	Mandarin	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	2.6%	2.5%	2.7%	2.8%	4.0%	2.3	2.2	2.5	2.6	3.6	
Citrus 66/12	Pineapple	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	5.6%	5.3%	5.5%	6.5%	5.0	4.8	5.1	4.9	5.9		
Coffee 33/12	Blend	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	16.6%	19.8%	19.8%	19.6%	19.6%	14.9	17.8	17.8	17.6	17.6	
Coffee 33/12	Cafe	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	32.1%	35.0%	35.0%	35.0%	35.0%	28.9	31.5	31.5	31.5	31.5	
Coffee 33/12	Espresso	Distribution Feeder	Capacity	Demand Growth	6/1/2019	Distribution	90.0 °Celsius	0.0%	9.8%	9.8%	9.8%	9.8%	0.0	8.8	8.8	8.8	8.8	
Concho 115/12	Bandana	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	9.2%	10.9%	10.4%	9.7%	9.4%	8.3	9.8	9.4	8.7	8.4	
Concho 115/12	Pistol	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	9.5%	13.8%	13.3%	12.6%	12.4%	8.5	12.4	11.9	11.4	11.2	
Concho 115/12	Sombrero	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	2.0%	2.8%	2.1%	1.1%	0.5%	1.8	2.5	1.9	1.0	0.5	
Concho 115/12	Taberna	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	5.6%	0.0%	0.0%	0.0%	0.0%	5.1	0.0	0.0	0.0	0.0	
Corona 66/12	Tesoro	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	0.2%	10.6%	11.2%	12.1%	10.8%	0.2	9.5	10.1	10.8	9.7	
Corona 66/12	Michael	Distribution Feeder	Capacity	Demand Growth	6/1/2022	Distribution	90.0 °Celsius	0.0%	0.0%	0.0%	0.0%	0.9%	0.0	0.0	0.0	0.0	0.8	
Corona 66/12	Price	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	0.7%	0.4%	0.4%	0.7%	5.0%	0.6	0.4	0.4	0.6	4.5	
Cucamonga 66/12	Boynton	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	7.2%	6.4%	5.6%	5.0%	4.4%	6.4	5.8	5.1	4.5	3.9	
Cucamonga 66/12	Donohue	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	2.3%	1.7%	1.5%	0.9%	0.7%	2.0	1.6	1.3	0.8	0.6	
Cucamonga 66/12	Earnhardt	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	25.9%	25.8%	25.1%	24.1%	23.5%	23.4	23.2	22.6	21.7	21.1	
Cucamonga 66/12	Garlits	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	12.3%	11.2%	10.2%	9.3%	8.7%	11.1	10.0	9.2	8.4	7.9	
Cucamonga 66/12	Gurney	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	15.4%	16.1%	17.1%	18.3%	22.3%	13.8	14.5	15.4	16.5	20.1	
Cucamonga 66/12	Hanks	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	4.9%	3.9%	3.1%	2.5%	1.7%	4.4	3.5	2.7	2.2	1.6	
Cucamonga 66/12	Mears	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	13.9%	13.0%	11.9%	11.2%	10.6%	12.5	11.7	10.8	10.0	9.5	
Cucamonga 66/12	Rahal	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	14.9%	14.2%	13.4%	12.8%	12.4%	13.4	12.7	12.0	11.6	11.1	
Cucamonga 66/12	Ruttmann	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	49.2%	51.1%	52.4%	53.9%	58.9%	44.2	46.0	47.1	48.5	53.0	
Cucamonga 66/12	Unser	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	8.2%	7.8%	7.5%	7.1%	6.8%	7.4	7.0	6.8	6.4	6.1	
Cucamonga 66/12	Andretti	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	0.3%	0.0%	0.0%	0.0%	0.0%	0.3	0.0	0.0	0.0	0.0	
Cucamonga 66/12	Yarborough	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	9.3%	9.2%	9.3%	9.3%	10.8%	8.4	8.3	8.4	8.3	9.7	
Culver 66/16	M.G.M.	Distribution Feeder	Capacity	Demand Growth	6/1/2020	Distribution	90.0 °Celsius	0.0%	0.0%	31.0%	33.0%	31.0%	0.0	0.0	28.0	30.0	28.0	
Decler 66/12	Big Rigg	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	13.2%	12.6%	12.0%	11.3%	10.9%	11.9	11.3	10.8	10.1	9.8	
Devers 115/12	Kaiser	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	3.1%	2.6%	2.3%	1.6%	1.4%	2.8	2.4	2.1	1.5	1.3	
Edinger 12/4.16	Invader	Distribution Feeder	Capacity	Demand Growth	6/1/2019	Distribution	90.0 °Celsius	0.0%	31.8%	32.1%	32.1%	32.7%	0.0	28.7	28.9	28.9	29.4	
Edinger 12/4.16	Anahurst	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	2.7%	3.3%	2.3%	0.0%	0.0%	2.4	3.0	2.1	0.0	0.0	
Edinger 12/4.16	Flower	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	6.2%	6.7%	2.4%	0.0%	0.0%	5.6	6.1	2.2	0.0	0.0	
Eisenhower 115/12	Battalion	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	6.6%	11.4%	11.0%	10.6%	11.1%	6.0	10.2	9.9	9.6	10.0	
Eisenhower 115/12	Combat	Distribution Feeder	Capacity	Demand Growth	6/1/2020	Distribution	90.0 °Celsius	0.0%	0.0%	24.4%	57.4%	58.1%	0.0	0.0	22.0	51.7	52.3	
Eisenhower 115/12	Ike	Distribution Feeder	Capacity	Demand Growth	6/1/2020	Distribution	90.0 °Celsius	0.0%	0.0%	0.1%	31.8%	32.4%	0.0	0.0	0.1	28.6	29.2	
Eisenhower 115/33	Crossley	Distribution Feeder	Capacity	Demand Growth	6/1/2020	Distribution	90.0 °Celsius	0.0%	0.0%	91.0%	187.1%	188.2%	0.0	0.0	81.9	168.3	169.4	
Elizabeth Lake 66/16	Trumpet	Distribution Feeder	Capacity	Demand Growth	6/1/2022	Distribution	90.0 °Celsius	0.0%	0.0%	0.0%	0.0%	0.0%	0.0	0.0	0.0	0.0	2.5	
Elizabeth Lake 66/16	Tuba	Distribution Feeder	Capacity	Demand Growth	6/1/2022	Distribution	90.0 °Celsius	0.0%	0.0%	0.0%	0.0%	2.7%	0.0	0.0	0.0	0.0	2.5	
Estrella 66/12	Aquarius	Distribution Feeder	Capacity	Demand Growth	6/1/2021	Distribution	90.0 °Celsius	0.0%	0.0%	0.0%	1.5%	0.7%	0.0	0.0	0.0	1.3	0.7	
Estrella 66/12	Cancer	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	4.6%	9.0%	8.0%	7.0%	6.3%	4.2	8.1	7.2	6.3	5.6	
Estrella 66/12	Horoscope	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	20.0%	20.8%	20.2%	19.5%	19.0%	18.0	18.8	18.2	17.5	17.1	
Etiwanda 66/12	Benny	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	11.0%	10.1%	9.6%	9.1%	10.2%	9.9	9.1	8.6	8.2	9.2	

Substation / Subtransmission Line	Circuit	Element Identifier	Distribution Service Required	Primary Driver of Grid Need	Operating Date	Equipment			Deficiency (%)					Deficiency (MW, °C, V _{pu})				
						Element	Rating	Units	2018	2019	2020	2021	2022	2018 ¹	2019 ¹	2020 ¹	2021 ¹	2022 ¹
Etiwanda 66/12	Magoo	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	0.9%	1.2%	2.1%	2.9%	5.4%	0.9	1.1	1.9	2.6	4.9	
Etiwanda 66/12	Pryor	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	2.8%	3.3%	4.3%	5.2%	7.9%	2.5	3.0	3.9	4.7	7.1	
Etiwanda 66/12	Sellers	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	1.0%	1.4%	2.4%	0.5%	2.1%	0.9	1.3	2.2	0.4	1.9	
Etiwanda 66/12	Stooges	Distribution Feeder	Capacity	Demand Growth	6/1/2022	Distribution	90.0 °Celsius	0.0%	0.0%	0.0%	0.0%	2.3%	0.0	0.0	0.0	0.0	2.1	
Farrell 115/12	Alvera	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	18.0%	17.8%	18.1%	18.1%	19.4%	16.2	16.0	16.3	16.3	17.5	
Farrell 115/12	Autry	Distribution Feeder	Capacity	Demand Growth	6/1/2021	Distribution	90.0 °Celsius	0.0%	0.0%	0.0%	3.1%	3.2%	0.0	0.0	0.0	2.8	2.9	
Farrell 115/12	Fey	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	9.7%	9.8%	10.2%	10.4%	11.8%	8.7	8.8	9.2	9.4	10.6	
Farrell 115/12	Garbo	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	31.5%	31.2%	31.3%	31.1%	32.4%	28.3	28.1	28.2	28.0	29.2	
Farrell 115/12	Rana	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	7.2%	7.1%	7.4%	7.6%	8.8%	6.5	6.4	6.7	6.8	7.9	
Farrell 115/12	Tortuga	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	31.7%	31.4%	31.5%	31.3%	32.6%	28.5	28.2	28.4	28.2	29.4	
Farrell 115/12	Vimal	Distribution Feeder	Capacity	Demand Growth	6/1/2022	Distribution	90.0 °Celsius	0.0%	0.0%	0.0%	0.0%	4.0%	0.0	0.0	0.0	0.0	3.6	
Firehouse 66/12	Helmet	Distribution Feeder	Capacity	Demand Growth	6/1/2019	Distribution	90.0 °Celsius	0.0%	0.9%	0.0%	0.0%	0.0%	0.0	0.8	0.0	0.0	0.0	
Fullerton 66/12	Brashears	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	3.7%	2.6%	1.6%	10.1%	9.3%	3.3	2.3	1.4	9.1	8.4	
Fullerton 66/12	Complex	Distribution Feeder	Capacity	Demand Growth	6/1/2021	Distribution	90.0 °Celsius	0.0%	0.0%	0.0%	23.1%	22.7%	0.0	0.0	0.0	20.8	20.4	
Fullerton 66/12	Hunt	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	3.0%	2.4%	1.8%	7.5%	7.1%	2.7	2.1	1.6	6.8	6.4	
Fullerton 66/12	Lawrence	Distribution Feeder	Capacity	Demand Growth	6/1/2021	Distribution	90.0 °Celsius	0.0%	0.0%	0.0%	25.6%	25.1%	0.0	0.0	0.0	23.1	22.6	
Fullerton 66/12	Matlock	Distribution Feeder	Capacity	Demand Growth	6/1/2021	Distribution	90.0 °Celsius	0.0%	0.0%	0.0%	24.9%	24.9%	0.0	0.0	0.0	22.4	22.4	
Ganesha 66/12	Hambone	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	5.4%	5.7%	6.1%	6.6%	8.6%	4.9	5.1	5.5	6.0	7.7	
Gemonic 66/12	Drone	Distribution Feeder	Capacity	Demand Growth	6/1/2019	Distribution	90.0 °Celsius	0.0%	23.6%	23.6%	23.6%	24.2%	0.0	21.2	21.2	21.3	21.8	
Hanford 66/12	Iona	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	0.4%	0.3%	0.5%	0.5%	1.5%	0.3	0.2	0.4	0.4	1.4	
Hanford 66/12	Redington	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	8.0%	7.3%	7.0%	6.8%	7.4%	7.2	6.6	6.3	6.1	6.7	
Haskell 66/16	Caesar	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	4.9%	5.0%	5.6%	5.8%	7.1%	4.4	4.5	5.0	5.2	6.4	
Haskell 66/16	Romanus	Distribution Feeder	Capacity	Demand Growth	6/1/2022	Distribution	90.0 °Celsius	0.0%	0.0%	0.0%	0.0%	1.1%	0.0	0.0	0.0	0.0	1.0	
Industry 66/12	Gear	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	6.8%	6.3%	6.0%	0.0%	0.0%	6.2	5.7	5.4	0.0	0.0	
Industry 66/12	Grinder	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	5.3%	4.8%	4.4%	4.0%	4.4%	4.8	4.3	4.0	3.6	4.0	
Industry 66/12	Lathe	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	8.4%	7.3%	6.3%	0.7%	0.9%	7.6	6.6	5.7	0.6	0.8	
Industry 66/12	Vise	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	5.4%	5.2%	5.1%	2.8%	3.2%	4.9	4.7	4.6	2.5	2.9	
Irvine 66/12	Hines	Distribution Feeder	Capacity	Demand Growth	6/1/2020	Distribution	90.0 °Celsius	0.0%	0.0%	19.4%	38.2%	58.0%	0.0	0.0	17.5	34.4	52.2	
Irvine 66/12	Keeline	Distribution Feeder	Capacity	Demand Growth	6/1/2019	Distribution	90.0 °Celsius	0.0%	3.1%	11.9%	10.7%	9.8%	0.0	2.8	10.7	9.6	8.8	
Ivyglen 115/12	Stageline	Distribution Feeder	Capacity	Demand Growth	6/1/2021	Distribution	90.0 °Celsius	0.0%	0.0%	0.0%	9.2%	15.7%	0.0	0.0	0.0	8.3	14.1	
Ivyglen 115/12	Buckboard	Distribution Feeder	Capacity	Demand Growth	6/1/2020	Distribution	90.0 °Celsius	0.0%	0.0%	2.9%	9.4%	14.6%	0.0	0.0	2.6	8.4	13.2	
Ivyglen 115/12	Chuck Wagon	Distribution Feeder	Capacity	Demand Growth	6/1/2019	Distribution	90.0 °Celsius	0.0%	5.2%	17.0%	31.1%	45.4%	0.0	4.6	15.3	28.0	40.9	
Ivyglen 115/12	Donner	Distribution Feeder	Capacity	Demand Growth	6/1/2021	Distribution	90.0 °Celsius	0.0%	0.0%	0.0%	4.6%	10.2%	0.0	0.0	0.0	4.1	9.2	
Jefferson 66/12	Bohemia	Distribution Feeder	Capacity	Demand Growth	6/1/2022	Distribution	90.0 °Celsius	0.0%	0.0%	0.0%	0.0%	1.2%	0.0	0.0	0.0	0.0	1.1	
Jefferson 66/12	Border	Distribution Feeder	Capacity	Demand Growth	6/1/2020	Distribution	90.0 °Celsius	0.0%	0.0%	0.9%	1.6%	4.0%	0.0	0.0	0.8	1.4	3.6	
Jefferson 66/12	Guinness	Distribution Feeder	Capacity	Demand Growth	6/1/2022	Distribution	90.0 °Celsius	0.0%	0.0%	0.0%	0.0%	5.8%	0.0	0.0	0.0	0.0	5.2	
Kimball 66/12	Blackwidow	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	31.6%	32.5%	33.2%	39.7%	41.6%	28.4	29.2	29.9	35.7	37.4	
Kimball 66/12	Fortress	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	24.0%	24.6%	25.1%	30.9%	32.4%	21.6	22.1	22.6	27.8	29.2	
Kimball 66/12	Hellcat	Distribution Feeder	Capacity	Demand Growth	6/1/2022	Distribution	90.0 °Celsius	0.0%	0.0%	0.0%	0.0%	11.0%	0.0	0.0	0.0	0.0	9.9	
Kimball 66/12	Kingcobra	Distribution Feeder	Capacity	Demand Growth	6/1/2021	Distribution	90.0 °Celsius	0.0%	0.0%	0.0%	15.5%	17.0%	0.0	0.0	0.0	13.9	15.3	
Kimball 66/12	Mosquito	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	15.0%	31.2%	32.4%	30.6%	31.1%	13.5	28.1	29.2	27.5	28.0	
Kimball 66/12	Skytrain	Distribution Feeder	Capacity	Demand Growth	6/1/2021	Distribution	90.0 °Celsius	0.0%	0.0%	0.0%	1.5%	2.6%	0.0	0.0	0.0	1.4	2.3	
Kimball 66/12	Tigercat	Distribution Feeder	Capacity	Demand Growth	6/1/2019	Distribution	90.0 °Celsius	0.0%	11.0%	17.2%	7.1%	22.3%	0.0	9.9	15.5	6.4	20.1	
Kimball 66/12	Vengeance	Distribution Feeder	Capacity	Demand Growth	6/1/2022	Distribution	90.0 °Celsius	0.0%	0.0%	0.0%	6.8%	0.0	0.0	0.0	0.0	6.2		
La Canada 66/16	Rosemont	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	31.3%	31.7%	32.5%	33.1%	30.0%	28.1	28.5	29.2	29.8	27.0	
La Canada 66/16	Verdugo	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	10.6%	11.0%	11.8%	12.2%	12.0%	9.5	9.9	10.6	11.0	10.8	
Lampson 66/12	Bison	Distribution Feeder	Capacity	Demand Growth	6/1/2019	Distribution	90.0 °Celsius	0.0%	0.2%	4.5%	3.7%	3.4%	0.0	0.1	4.1	3.4	3.0	
Lampson 66/12	Elephant	Distribution Feeder	Capacity	Demand Growth	6/1/2019	Distribution	90.0 °Celsius	0.0%	19.1%	33.3%	31.9%	31.2%	0.0	17.2	29.9	28.7	28.1	
Lancaster 66/12	Kingtree	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	6.9%	6.5%	6.2%	5.7%	5.3%	6.2	5.9	5.6	5.2	4.8	
Lark Ellen 66/12	Barbara	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	12.2%	11.9%	11.8%	11.7%	12.3%	11.0	10.7	10.6	10.5	11.1	
Lark Ellen 66/12	Christy	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	10.7%	10.3%	10.6%	10.6%	11.3%	9.7	9.3	9.5	9.5	10.2	
Lark Ellen 66/12	Deanna	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	10.2%	9.9%	9.9%	9.9%	10.6%	9.2	8.9	8.9	8.9	9.5	
Lark Ellen 66/12	Eleanor	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	14.1%	13.8%	13.9%	14.1%	14.8%	12.7	12.4	12.5	12.7	13.3	
Lark Ellen 66/12	Lynne	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	1.2%	1.0%	0.0%	0.0%	0.0%	1.1	0.9	0.0	0.0	0.0	
Las Lomas 66/12	Munich	Distribution Feeder	Capacity	Demand Growth	6/1/2022	Distribution	90.0 °Celsius	0.0%	0.0%	0.0%	0.0%	2.0%	0.0	0.0	0.0	0.0	1.8	
Liberty 66/12	Chinowth	Distribution Feeder	Capacity	Demand Growth	6/1/2022	Distribution	90.0 °Celsius	0.0%	0.0%	0.0%	0.6%	0.0%	0.0	0.0	0.0	0.0	0.6	
Limestone 66/12	Chrome	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	6.9%	6.6%	6.1%	5.7%	5.2%	6.2	5.9	5.5	5.1	4.7	

Substation / Subtransmission Line	Circuit	Element Identifier	Distribution Service Required	Primary Driver of Grid Need	Operating Date	Equipment			Deficiency (%)					Deficiency (MW, °C, V _{pu})				
						Element	Rating	Units	2018	2019	2020	2021	2022	2018'	2019'	2020'	2021'	2022'
Limestone 66/12	Manganese	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	15.4%	14.7%	14.0%	13.2%	12.4%	13.9	13.2	12.6	11.9	11.2	
Limestone 66/12	Nickel	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	0.7%	0.2%	0.0%	0.0%	0.0%	0.6	0.2	0.0	0.0	0.0	
Lindsay 66/12	Burr	Distribution Feeder	Capacity	Demand Growth	6/1/2020	Distribution	90.0 °Celsius	0.0%	0.0%	1.1%	7.1%	9.4%	0.0	0.0	1.0	6.4	8.4	
Lindsay 66/12	Cairns	Distribution Feeder	Capacity	Demand Growth	12/31/2020	Distribution	90.0 °Celsius	0.0%	0.0%	1.0%	3.3%	0.0	0.0	0.0	0.0	0.9	3.0	
Live Oak 66/12	Alamosa	Distribution Feeder	Capacity	Demand Growth	6/1/2022	Distribution	90.0 °Celsius	0.0%	0.0%	0.0%	0.0%	0.2%	0.0	0.0	0.0	0.0	0.2	
Live Oak 66/12	Forbes	Distribution Feeder	Capacity	Demand Growth	6/1/2022	Distribution	90.0 °Celsius	0.0%	0.0%	0.0%	0.0%	0.2%	0.0	0.0	0.0	0.0	0.2	
Live Oak 66/12	Palmer	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	3.3%	4.0%	5.5%	6.7%	7.6%	3.0	3.6	5.0	6.0	6.8	
Maraschino 115/12	Ida	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	4.2%	10.7%	9.4%	10.1%	12.0%	3.7	9.6	8.5	9.1	10.8	
Maraschino 115/12	Napoleon	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	1.3%	4.7%	19.6%	20.0%	21.7%	1.1	4.3	17.6	18.0	19.5	
Maraschino 115/12	Duke	Distribution Feeder	Capacity	Demand Growth	6/1/2022	Distribution	90.0 °Celsius	0.0%	0.0%	0.0%	0.0%	1.3%	0.0	0.0	0.0	0.0	1.2	
Maraschino 115/12	Lapins	Distribution Feeder	Capacity	Demand Growth	6/1/2019	Distribution	90.0 °Celsius	0.0%	7.2%	18.9%	19.3%	21.3%	0.0	6.4	17.0	17.4	19.1	
Maraschino 115/12	Morello	Distribution Feeder	Capacity	Demand Growth	6/1/2020	Distribution	90.0 °Celsius	0.0%	0.0%	47.5%	46.5%	48.6%	0.0	0.0	42.8	41.9	43.8	
Maraschino 115/12	Ranier	Distribution Feeder	Capacity	Demand Growth	6/1/2019	Distribution	90.0 °Celsius	0.0%	1.6%	0.0%	0.0%	0.0%	0.0	1.4	0.0	0.0	0.0	
Maraschino 115/12	Schmidt	Distribution Feeder	Capacity	Demand Growth	6/1/2019	Distribution	90.0 °Celsius	0.0%	3.8%	2.3%	3.0%	4.8%	0.0	3.4	2.1	2.7	4.4	
Maxwell 115/12	Brutte	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	7.0%	6.7%	6.5%	6.2%	6.9%	6.3	6.0	5.8	5.6	6.2	
Maxwell 115/12	Duda	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	3.1%	2.8%	2.5%	2.2%	2.9%	2.8	2.5	2.2	2.0	2.6	
Maxwell 115/12	Hackler	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	15.6%	15.6%	15.5%	15.5%	16.7%	14.1	14.0	14.0	13.9	15.0	
Maxwell 115/12	Westbluff	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	6.0%	6.1%	6.2%	6.3%	7.4%	5.4	5.5	5.6	5.6	6.6	
Mayberry 115/12	Dartmouth	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	10.4%	21.7%	22.2%	22.7%	42.2%	9.3	19.5	20.0	20.4	38.0	
Mayberry 115/12	Erin	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	3.7%	7.3%	7.8%	8.3%	15.8%	3.4	6.6	7.0	7.4	14.2	
Mayberry 115/12	Pachea	Distribution Feeder	Capacity	Demand Growth	6/1/2022	Distribution	90.0 °Celsius	0.0%	0.0%	0.0%	0.0%	0.3%	0.0	0.0	0.0	0.0	0.2	
Mayberry 115/12	Kadice	Distribution Feeder	Capacity	Demand Growth	6/1/2021	Distribution	90.0 °Celsius	0.0%	0.0%	0.0%	0.4%	7.5%	0.0	0.0	0.0	0.4	6.8	
Mayberry 115/12	Tudor	Distribution Feeder	Capacity	Demand Growth	6/1/2022	Distribution	90.0 °Celsius	0.0%	0.0%	0.0%	0.0%	0.9%	0.0	0.0	0.0	0.0	0.8	
Mesa 66/16	Cerveza	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	0.2%	0.3%	0.6%	1.0%	2.9%	0.2	0.3	0.6	0.9	2.6	
Milliken 66/12	Redlabel	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	2.1%	2.1%	2.2%	2.4%	3.8%	1.9	1.8	2.0	2.2	3.4	
Mira Loma 66/12	Himalayas	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	20.4%	23.7%	30.2%	34.7%	39.6%	18.4	21.3	27.2	31.2	35.6	
Mira Loma 66/12	Matterhorn	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	20.5%	23.6%	30.2%	8.3%	11.8%	18.4	21.3	27.2	7.5	10.6	
Moraga 115/12	Playhouse	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	1.8%	1.5%	1.1%	0.8%	0.9%	1.6	1.4	1.0	0.7	0.8	
Narod 66/12	Balzak	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	1.5%	1.1%	1.0%	0.6%	1.6%	1.4	1.0	0.9	0.6	1.5	
Narod 66/12	Dessau	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	2.3%	2.2%	2.2%	2.2%	3.2%	2.1	1.9	2.0	2.9	2.9	
Narod 66/12	Tile	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	3.6%	3.3%	3.5%	3.4%	4.5%	3.3	3.0	3.1	3.1	4.1	
Narrows 66/12	Aston	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	9.9%	10.4%	10.9%	11.4%	12.9%	8.9	9.3	9.8	10.3	11.6	
Narrows 66/12	Ballard	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	17.0%	17.3%	17.5%	17.7%	19.4%	15.3	15.5	15.7	15.9	17.5	
Narrows 66/12	Bronco	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	3.3%	5.6%	6.1%	6.5%	8.4%	2.9	5.1	5.5	5.9	7.6	
Narrows 66/12	Cadillac	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	14.5%	14.5%	14.7%	15.1%	16.9%	13.0	13.1	13.2	13.6	15.2	
Narrows 66/12	Corvette	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	0.6%	3.8%	4.7%	5.5%	7.8%	0.6	3.4	4.2	5.0	7.0	
Narrows 66/12	Escamilla	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	24.7%	24.7%	24.9%	25.1%	27.0%	22.3	22.2	22.4	22.6	24.3	
Narrows 66/12	Julep	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	25.0%	42.5%	43.7%	44.8%	47.7%	22.5	38.2	39.3	40.3	42.9	
Narrows 66/12	Torpedo	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	17.7%	8.6%	9.6%	10.4%	12.9%	15.9	7.8	8.7	9.4	11.6	
Narrows 66/12	Yorktown	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	19.5%	21.5%	22.4%	23.1%	25.5%	17.6	19.3	20.2	20.7	22.9	
Narrows 66/12	Cornwall	Distribution Feeder	Capacity	Demand Growth	6/1/2021	Distribution	90.0 °Celsius	0.0%	0.0%	0.0%	0.2%	1.9%	0.0	0.0	0.0	0.2	1.7	
Nelson 115/12	Savory	Distribution Feeder	Capacity	Demand Growth	6/1/2020	Distribution	90.0 °Celsius	0.0%	0.0%	0.0%	0.3%	1.5%	0.0	0.0	0.0	0.3	1.3	
Newbury 66/16	Hooligan	Distribution Feeder	Capacity	Demand Growth	6/1/2020	Distribution	90.0 °Celsius	3.6%	4.9%	8.3%	8.9%	11.7%	3.2	4.4	7.5	8.0	10.5	
Newbury 66/16	Intrepid	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	19.1%	23.2%	23.7%	25.0%	27.8%	17.2	20.9	21.3	22.5	25.0	
Newbury 66/16	Johnboy	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	16.1%	22.4%	22.3%	23.3%	26.7%	14.5	20.2	20.1	21.0	24.0	
Newbury 66/16	Patriot	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	9.1%	13.0%	12.8%	13.8%	17.1%	8.2	11.7	11.5	12.4	15.4	
Newbury 66/16	Splendor	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	15.6%	24.0%	19.8%	20.7%	24.0%	14.0	21.6	17.8	18.6	21.6	
Newcomb 115/12	Farmington	Distribution Feeder	Capacity	Demand Growth	6/1/2022	Distribution	90.0 °Celsius	0.0%	0.0%	0.0%	0.0%	1.3%	0.0	0.0	0.0	0.0	1.1	
Newcomb 115/12	Harnage	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	1.0%	0.7%	0.6%	0.2%	0.0%	0.9	0.6	0.5	0.2	0.0	
Newcomb 115/12	Neapolitan	Distribution Feeder	Capacity	Demand Growth	6/1/2022	Distribution	90.0 °Celsius	0.0%	0.0%	0.0%	0.0%	0.2%	0.0	0.0	0.0	0.0	0.2	
Newcomb 115/12	Oakdale	Distribution Feeder	Capacity	Demand Growth	6/1/2019	Distribution	90.0 °Celsius	0.0%	8.2%	19.1%	18.5%	18.4%	0.0	7.4	17.2	16.6	16.6	
Newhall 66/16	Calgrove	Distribution Feeder	Capacity	Demand Growth	6/1/2019	Distribution	90.0 °Celsius	0.0%	12.0%	28.6%	47.2%	63.7%	0.0	10.8	25.8	42.5	57.3	
Newhall 66/16	Gavin	Distribution Feeder	Capacity	Demand Growth	6/1/2021	Distribution	90.0 °Celsius	0.0%	0.0%	0.0%	0.7%	5.1%	0.0	0.0	0.0	0.7	4.6	
Newhall 66/16	Lyons	Distribution Feeder	Capacity	Demand Growth	6/1/2019	Distribution	90.0 °Celsius	0.0%	9.8%	25.6%	43.7%	59.8%	0.0	8.8	23.1	39.4	53.8	
Newhall 66/16	Powell	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	1.7%	9.0%	16.8%	25.5%	33.3%	1.5	8.1	15.1	22.9	30.0	
Newhall 66/16	Wildwood	Distribution Feeder	Capacity	Demand Growth	6/1/2021	Distribution	90.0 °Celsius	0.0%	0.0%	3.5%	8.2%	0.0	0.0	0.0	3.2	7.4		
Newhall 66/16	Mentry	Distribution Feeder	Capacity	Demand Growth	6/1/2021	Distribution	90.0 °Celsius	0.0%	0.0%	0.0%	3.0%	9.8%	0.0	0.0	0.0	2.7	8.8	

Substation / Subtransmission Line	Circuit	Element Identifier	Distribution Service Required	Primary Driver of Grid Need	Operating Date	Equipment			Deficiency (%)					Deficiency (MW, °C, V _{pu})				
						Element	Rating	Units	2018	2019	2020	2021	2022	2018'	2019'	2020'	2021'	2022'
Niguel 66/12	Bassoon	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	11.0%	12.7%	11.9%	11.2%	11.5%	9.9	11.5	10.7	10.1	10.3	
Niguel 66/12	Timpani	Distribution Feeder	Capacity	Demand Growth	6/1/2020	Distribution	90.0 °Celsius	0.0%	0.0%	0.1%	0.0%	1.2%	0.0	0.0	0.1	0.0	1.1	
Niguel 66/12	Trombone	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	11.4%	15.6%	16.0%	16.0%	17.1%	10.2	14.0	14.4	14.4	15.4	
Oak Grove 66/12	De Camp	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	12.8%	13.1%	13.8%	14.7%	17.0%	11.5	11.7	12.5	13.2	15.3	
Oak Grove 66/12	Elowin	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	12.0%	12.2%	12.7%	13.4%	15.6%	10.8	11.0	11.4	12.1	14.0	
Oak Grove 66/12	Lowry	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	5.8%	5.9%	6.5%	7.0%	9.2%	5.2	5.4	5.8	6.3	8.3	
Oak Grove 66/12	Whitendale	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	3.0%	3.1%	3.7%	4.4%	6.4%	2.7	2.8	3.3	3.9	5.8	
Oak Grove 66/12	Monson	Distribution Feeder	Capacity	Demand Growth	6/1/2020	Distribution	90.0 °Celsius	0.0%	0.0%	0.0%	0.3%	1.7%	0.0	0.0	0.0	0.3	1.6	
Oak Park 66/16	Cresthaven	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	2.1%	2.7%	3.9%	5.2%	8.8%	1.9	2.4	3.5	4.7	7.9	
Oasis 66/12	Farms	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	4.3%	0.1%	0.0%	0.0%	0.1%	3.9	0.1	0.0	0.0	0.0	
Oasis 66/12	Stealth	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	2.4%	2.7%	2.9%	2.9%	3.3%	2.2	2.4	2.6	2.6	3.0	
Padua 66/12	Barilla	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	2.8%	2.7%	2.9%	2.7%	3.6%	2.5	2.5	2.7	2.5	3.2	
Padua 66/12	Bianco	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	9.1%	9.1%	9.4%	9.5%	10.1%	8.2	8.2	8.5	8.5	9.1	
Padua 66/12	Bruno	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	3.2%	3.0%	3.2%	3.2%	3.7%	2.9	2.7	2.9	3.4	3.4	
Padua 66/12	Cagli	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	9.8%	9.7%	9.9%	9.9%	10.8%	8.8	8.7	9.0	8.9	9.7	
Padua 66/12	Calvo	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	12.1%	11.9%	12.0%	11.9%	12.7%	10.9	10.7	10.8	10.7	11.4	
Padua 66/12	Fano	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	7.7%	7.7%	8.0%	8.0%	8.6%	6.9	6.9	7.2	7.2	7.8	
Padua 66/12	Ferrara	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	13.2%	13.2%	13.3%	13.9%	11.9	11.9	11.9	12.0	12.5		
Padua 66/12	Parina	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	20.0%	19.9%	19.8%	19.7%	20.2%	18.0	17.9	17.8	17.7	18.1	
Padua 66/12	Pebble	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	3.2%	3.0%	3.1%	2.9%	3.6%	2.9	2.7	2.8	2.6	3.3	
Padua 66/12	Prego	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	6.9%	6.9%	7.2%	7.4%	8.0%	6.2	6.2	6.5	6.6	7.2	
Padua 66/12	Santorini	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	20.6%	20.8%	21.1%	21.3%	21.8%	18.6	18.7	19.0	19.2	19.6	
Padua 66/12	Tully	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	7.8%	7.8%	7.8%	8.0%	8.5%	7.0	7.0	7.2	7.2	7.7	
Padua 66/12	Verdi	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	11.0%	11.0%	11.1%	11.2%	11.7%	9.9	9.9	10.0	10.1	10.5	
Palmdale 66/12	Ledford	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	6.9%	6.5%	6.3%	5.7%	5.7%	6.2	5.9	5.7	5.2	5.1	
Palmdale 66/12	Paint	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	6.7%	6.7%	6.7%	6.4%	6.4%	6.0	6.0	6.0	5.8	5.8	
Palmdale 66/12	Sims	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	1.1%	0.7%	0.4%	0.0%	0.0%	1.0	0.6	0.4	0.0	0.0	
Pechanga 115/12	Lazaro	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	18.8%	19.4%	20.7%	22.1%	25.5%	16.9	17.4	18.6	19.9	23.0	
Pechanga 115/12	Lobo	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	33.1%	33.7%	35.0%	36.4%	40.0%	29.8	30.3	31.5	32.8	36.0	
Pechanga 115/12	Matera	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	4.4%	4.6%	5.1%	5.9%	8.3%	3.9	4.1	4.6	5.3	7.4	
Pechanga 115/12	Pascal	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	28.4%	29.1%	30.3%	31.8%	35.4%	25.6	26.2	27.3	28.7	31.9	
Pechanga 115/12	Crownhill	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	8.1%	8.7%	10.0%	11.3%	14.6%	7.3	7.9	9.0	10.1	13.1	
Pedley 66/12	Arlington	Distribution Feeder	Capacity	Demand Growth	6/1/2021	Distribution	90.0 °Celsius	0.0%	0.0%	0.0%	0.0%	1.0%	0.0	0.0	0.0	0.0	0.9	
Pepper 115/12	Lancers	Distribution Feeder	Capacity	Demand Growth	6/1/2020	Distribution	90.0 °Celsius	0.0%	0.0%	0.6%	0.9%	1.8%	0.0	0.0	0.5	0.8	1.6	
Peyton 66/12	Alicia	Distribution Feeder	Capacity	Demand Growth	6/1/2020	Distribution	90.0 °Celsius	0.0%	0.0%	0.4%	3.1%	4.4%	0.0	0.0	0.4	2.8	3.9	
Peyton 66/12	East End	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	8.5%	8.2%	8.5%	9.1%	10.2%	7.7	7.3	7.6	8.2	9.2	
Peyton 66/12	Stalling	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	6.0%	5.9%	6.4%	7.3%	8.5%	5.4	5.3	5.8	6.5	7.6	
Placentia 66/12	Coach	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	2.9%	2.8%	2.8%	2.6%	3.1%	2.6	2.6	2.5	2.3	2.8	
Potrero 66/16	Vaquero	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	11.8%	11.1%	25.8%	25.3%	25.0%	10.6	10.0	12.2	22.8	22.5	
Potrero 66/16	Shenandoah	Distribution Feeder	Capacity	Demand Growth	6/1/2020	Distribution	90.0 °Celsius	0.0%	0.0%	0.6%	0.5%	0.7%	0.0	0.0	0.6	0.5	0.6	
Proctor 66/12	Zeus	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	27.3%	20.0%	21.3%	23.0%	27.0%	24.5	18.0	19.2	20.7	24.3	
Puente 66/12	Suzy	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	5.1%	4.5%	9.4%	9.4%	10.4%	4.6	4.1	4.5	8.4	9.4	
Railroad 66/12	Caboose	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	3.2%	3.2%	3.3%	3.5%	4.2%	2.9	2.9	3.1	3.8	3.8	
Railroad 66/12	Diner	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	5.4%	5.4%	5.3%	5.4%	6.1%	4.9	4.9	4.8	4.9	5.5	
Railroad 66/12	Trestle	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	0.1%	0.1%	0.3%	0.5%	0.0%	0.1	0.1	0.3	0.4	0.0	
Rancho 33/12	Knolls	Distribution Feeder	Capacity	Demand Growth	6/1/2019	Distribution	90.0 °Celsius	0.0%	1.6%	1.7%	1.5%	2.1%	0.0	1.5	1.5	1.4	1.9	
Rancho 33/12	Lakota	Distribution Feeder	Capacity	Demand Growth	6/1/2019	Distribution	90.0 °Celsius	0.0%	14.6%	14.6%	14.1%	14.7%	0.0	13.2	13.1	12.7	13.2	
Rancho 33/12	Marianna	Distribution Feeder	Capacity	Demand Growth	6/1/2019	Distribution	90.0 °Celsius	0.0%	5.3%	5.5%	0.0%	0.0%	0.0	4.7	4.9	0.0	0.0	
Rancho 33/12	Standing Rock	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	3.3%	15.3%	15.6%	15.3%	16.2%	3.0	13.7	14.1	13.8	14.6	
Rancho 33/12	Symeron	Distribution Feeder	Capacity	Demand Growth	6/1/2019	Distribution	90.0 °Celsius	0.0%	1.4%	1.5%	1.3%	2.0%	0.0	1.3	1.3	1.1	1.8	
Randall 66/12	Nicklin	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	4.1%	14.0%	14.4%	14.4%	15.7%	3.7	12.6	13.0	13.0	14.1	
Randall 66/12	Mora	Distribution Feeder	Capacity	Demand Growth	6/1/2019	Distribution	90.0 °Celsius	0.0%	2.5%	2.8%	2.9%	3.8%	0.0	2.2	2.5	2.6	3.4	
Randall 66/12	Silva	Distribution Feeder	Capacity	Demand Growth	6/1/2019	Distribution	90.0 °Celsius	0.0%	1.6%	1.9%	2.1%	3.1%	0.0	1.4	1.8	1.9	2.8	
Rio Hondo 66/12	Euphrates	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	7.5%	6.9%	6.3%	5.8%	5.1%	6.7	6.2	5.7	5.2	4.6	
Rio Hondo 66/12	Nile	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	6.1%	5.4%	4.9%	4.4%	3.7%	5.5	4.9	4.4	4.0	3.3	
Rio Hondo 66/12	Rhine	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	3.1%	2.3%	1.6%	1.0%	0.2%	2.7	2.1	1.4	0.9	0.2	
Rio Hondo 66/12	Tigris	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	6.2%	5.3%	4.6%	3.8%	2.8%	5.6	4.8	4.1	3.4	2.5	

Substation / Subtransmission Line	Circuit	Element Identifier	Distribution Service Required	Primary Driver of Grid Need	Operating Date	Equipment			Deficiency (%)					Deficiency (MW, °C, V _{pu})				
						Element	Rating	Units	2018	2019	2020	2021	2022	2018'	2019'	2020'	2021'	2022'
Riverway 66/12	Gila	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	4.4%	4.8%	5.4%	23.1%	20.6%	4.0	4.3	4.9	20.8	18.5	
Riverway 66/12	Susquehanna	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	1.7%	2.4%	3.9%	4.2%	0.0%	1.5	2.2	3.5	3.8	0.0	
Riverway 66/12	Yellowstone	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	4.7%	5.3%	7.3%	0.0%	0.0%	4.2	4.8	6.6	0.0	0.0	
Riverway 66/12	Rio Grande	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	9.8%	10.8%	12.4%	8.6%	8.2%	8.8	9.7	11.2	7.7	7.4	
Roadway 115/12	Caterpillar	Distribution Feeder	Capacity	Demand Growth	6/1/2021	Distribution	90.0 °Celsius	0.0%	0.0%	0.0%	18.2%	19.0%	0.0	0.0	0.0	16.3	17.1	
Roadway 115/12	International	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	2.2%	0.0%	0.0%	0.0%	0.0%	2.0	0.0	0.0	0.0	0.0	
Roadway 115/12	Peterbilt	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	9.2%	5.8%	5.9%	14.9%	15.5%	8.3	5.2	5.3	13.4	14.0	
Royal 66/16	Appleton	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	5.8%	6.1%	6.8%	7.4%	10.0%	5.2	5.5	6.2	6.7	9.0	
Royal 66/16	Erringer	Distribution Feeder	Capacity	Demand Growth	6/1/2022	Distribution	90.0 °Celsius	0.0%	0.0%	0.0%	0.0%	0.0%	0.0	0.0	0.0	0.0	0.0	
San Antonio 66/12	Gaylord	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	7.8%	7.9%	7.6%	7.6%	7.9%	7.0	7.1	6.9	6.9	7.1	
San Antonio 66/12	Kingsley	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	0.2%	0.0%	0.1%	0.0%	0.8%	0.2	0.0	0.1	0.0	0.8	
San Antonio 66/12	Lehigh	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	25.2%	25.2%	25.1%	25.1%	25.9%	22.7	22.6	22.6	22.6	23.4	
San Antonio 66/12	Pitzer	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	13.7%	13.5%	13.6%	13.5%	14.4%	12.3	12.2	12.2	12.2	13.0	
San Antonio 66/12	Satellite	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	30.9%	30.5%	30.3%	29.9%	30.5%	27.8	27.4	27.2	26.9	27.4	
San Antonio 66/12	Sunsweet	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	12.3%	11.9%	11.7%	5.8%	6.2%	11.1	10.7	10.5	5.2	5.6	
San Dimas 66/12	Avenida	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	1.7%	2.4%	3.5%	4.4%	7.4%	1.6	2.1	3.1	3.9	6.7	
San Dimas 66/12	Bonita	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	13.9%	13.9%	14.3%	14.8%	17.3%	12.5	12.5	12.9	13.3	15.6	
San Dimas 66/12	Cataract	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	7.1%	7.5%	8.7%	9.6%	12.6%	6.4	6.8	7.8	8.6	11.3	
San Dimas 66/12	Kranzer	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	14.1%	14.1%	14.8%	15.6%	18.1%	12.7	12.7	13.3	14.0	16.3	
San Dimas 66/12	Nubia	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	11.2%	11.2%	11.7%	12.3%	14.8%	10.1	10.1	10.5	11.1	13.3	
Santa Fe Springs 66/12	Laird	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	9.6%	9.8%	9.6%	9.9%	10.2%	8.6	8.8	8.6	8.9	9.2	
Santa Fe Springs 66/12	Painter	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	14.7%	14.7%	14.6%	14.8%	14.4%	13.2	13.2	13.1	13.3	13.0	
Santiago 66/12	Euro	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	6.9%	2.0%	18.0%	18.2%	19.7%	6.2	1.8	16.2	16.4	17.7	
Santiago 66/12	Franc	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	5.7%	4.2%	8.8%	9.0%	10.7%	5.1	3.8	7.9	8.1	9.6	
Santiago 66/12	Guilder	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	7.7%	5.6%	10.1%	9.9%	11.0%	7.0	5.1	9.1	8.9	9.9	
Santiago 66/12	Lire	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	7.3%	7.0%	8.6%	7.5%	8.9%	6.6	6.3	7.8	6.7	8.0	
Santiago 66/12	Tolar	Distribution Feeder	Capacity	Demand Growth	6/1/2019	Distribution	90.0 °Celsius	0.0%	1.2%	19.9%	1.1%	1.7%	0.0	1.1	17.9	1.0	1.5	
Santiago 66/12	Counterfeit	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	22.3%	21.3%	20.5%	20.1%	21.3%	20.0	19.2	18.6	18.1	19.2	
Santiago 66/12	Krona	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	6.0%	5.6%	5.7%	5.7%	7.3%	5.4	5.0	5.1	5.2	6.5	
Santiago 66/12	Yen	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	24.5%	23.4%	22.9%	22.3%	23.4%	22.1	21.1	20.6	20.1	21.0	
Saugus 66/16	Bermite	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	1.8%	2.6%	1.5%	0.5%	4.0%	1.6	2.3	1.4	0.4	3.6	
Saugus 66/16	Mint Canyon	Distribution Feeder	Capacity	Demand Growth	6/1/2022	Distribution	90.0 °Celsius	0.0%	0.0%	0.0%	0.0%	1.0%	0.0	0.0	0.0	0.0	0.9	
Savage 115/12	Boise	Distribution Feeder	Capacity	Demand Growth	6/1/2019	Distribution	90.0 °Celsius	0.0%	1.3%	1.0%	10.8%	11.0%	0.0	1.1	0.9	9.7	9.9	
Savage 115/12	Burwood	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	8.9%	20.2%	19.7%	22.5%	22.5%	8.0	18.2	17.7	20.2	20.3	
Savage 115/12	Frontage	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	0.3%	6.3%	6.1%	6.5%	6.7%	0.3	5.7	5.5	5.9	6.0	
Savage 115/12	Prayer	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	1.6%	3.4%	3.5%	5.0%	5.4%	1.5	3.1	3.1	4.5	4.9	
Savage 115/12	Talpa	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	4.9%	18.9%	18.5%	21.2%	21.3%	4.4	17.0	16.6	19.1	19.1	
Shandin 115/12	Northpark	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	1.8%	1.3%	1.4%	1.3%	2.1%	1.6	1.2	1.3	1.2	1.9	
Shuttle 66/12	Jedi	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	1.9%	1.4%	1.0%	0.6%	0.7%	1.7	1.2	0.9	0.5	0.6	
Signal Hill 12/4.16	Derrick	Distribution Feeder	Capacity	Demand Growth	6/1/2019	Distribution	90.0 °Celsius	0.0%	3.2%	3.8%	4.0%	1.6%	0.0	2.9	3.4	3.6	1.4	
Signal Hill 12/4.16	Michigan	Distribution Feeder	Capacity	Demand Growth	6/1/2020	Distribution	90.0 °Celsius	9.6%	9.9%	10.4%	10.7%	12.0%	8.6	8.9	9.4	9.6	10.8	
Signal Hill 66/12	Montana	Distribution Feeder	Capacity	Demand Growth	6/1/2019	Distribution	90.0 °Celsius	0.0%	2.0%	2.3%	2.2%	0.0%	0.0	1.8	2.0	2.0	0.0	
Silver Spur 33/12	Bit	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	7.8%	7.9%	8.5%	3.5%	5.2%	7.0	7.1	7.7	3.1	4.7	
Silver Spur 33/12	Carriage	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	2.0%	2.1%	2.7%	0.0%	0.0%	1.8	1.8	2.4	0.0	0.0	
Stadler 115/12	Blitz	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	0.3%	0.0%	0.0%	0.0%	0.0%	0.2	0.0	0.0	0.0	0.0	
Stewart 66/12	Clifford	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	15.9%	15.1%	14.4%	13.7%	13.3%	14.3	13.6	13.0	12.3	12.0	
Stewart 66/12	Donald	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	33.3%	32.2%	31.4%	30.3%	29.8%	30.0	29.0	28.2	27.3	26.8	
Stewart 66/12	Emory	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	9.2%	8.7%	8.4%	7.9%	7.9%	8.3	7.8	7.6	7.1	7.1	
Stewart 66/12	Jimmy	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	7.4%	5.9%	4.7%	11.7%	19.7%	6.7	5.3	4.2	10.6	17.8	
Stewart 66/12	Kordell	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	11.6%	10.9%	10.5%	9.9%	9.7%	10.4	9.8	9.5	8.9	8.7	
Stewart 66/12	Walter	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	23.3%	22.8%	22.5%	22.0%	21.9%	20.9	20.5	20.3	19.8	19.7	
Stewart 66/12	William	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	25.2%	24.1%	23.3%	22.2%	21.7%	22.7	21.7	20.9	19.9	19.5	
Sun City 115/12	Equinox	Distribution Feeder	Capacity	Demand Growth	6/1/2022	Distribution	90.0 °Celsius	0.0%	0.0%	0.0%	0.0%	3.2%	0.0	0.0	0.0	0.0	2.9	
Sun City 115/12	Sundance	Distribution Feeder	Capacity	Demand Growth	6/1/2022	Distribution	90.0 °Celsius	0.0%	0.0%	0.0%	0.0%	2.4%	0.0	0.0	0.0	0.0	2.2	
Sunnyside 66/4.16	Sharp	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	2.3%	2.9%	3.2%	2.8%	3.5%	2.1	2.6	2.9	2.5	3.1	
Tamarisk 115/12	Agave	Distribution Feeder	Capacity	Demand Growth	6/1/2022	Distribution	90.0 °Celsius	0.0%	0.0%	0.0%	0.0%	9.7%	0.0	0.0	0.0	0.0	8.8	
Tamarisk 115/12	Athel	Distribution Feeder	Capacity	Demand Growth	6/1/2020	Distribution	90.0 °Celsius	0.0%	0.0%	0.1%	2.7%	6.2%	0.0	0.0	0.1	2.4	5.6	

Substation / Subtransmission Line	Circuit	Element Identifier	Distribution Service Required	Primary Driver of Grid Need	Operating Date	Equipment			Deficiency (%)					Deficiency (MW, °C, V _{pu})				
						Element	Rating	Units	2018	2019	2020	2021	2022	2018'	2019'	2020'	2021'	2022'
Tamarisk 115/12	Sumac	Distribution Feeder	Capacity	Demand Growth	6/1/2019	Distribution	90.0 °Celsius	0.0%	18.4%	18.1%	17.9%	17.7%	0.0	16.5	16.3	16.1	15.9	
Tamarisk 115/12	Creosote	Distribution Feeder	Capacity	Demand Growth	6/1/2022	Distribution	90.0 °Celsius	0.0%	0.0%	0.0%	0.0%	1.8%	0.0	0.0	0.0	0.0	1.6	
Telegraph 66/12	Beta	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	5.6%	4.9%	4.6%	3.9%	3.5%	5.0	4.4	4.1	3.5	3.1	
Trophy 66/12	Raceway	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	15.3%	14.0%	12.8%	11.7%	10.8%	13.8	12.6	11.5	10.5	9.7	
Upland 66/12	Meagan	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	8.0%	7.5%	7.6%	7.6%	9.0%	7.2	6.7	6.9	6.8	8.1	
Upland 66/12	Sapphire	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	1.3%	1.1%	1.4%	1.6%	3.1%	1.2	1.0	1.3	1.5	2.8	
Upland 66/4.16	Klusman	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	14.4%	14.8%	15.9%	17.2%	20.7%	12.9	13.4	14.3	15.5	18.6	
Upland 66/4.16	Colburn	Distribution Feeder	Capacity	Demand Growth	6/1/2022	Distribution	90.0 °Celsius	0.0%	0.0%	0.0%	0.0%	1.7%	0.0	0.0	0.0	0.0	1.5	
Victor 115/12	Astor	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	5.3%	0.0%	0.0%	0.4%	3.1%	4.8	0.0	0.0	0.4	2.8	
Victor 115/12	Brucite	Distribution Feeder	Capacity	Demand Growth	6/1/2019	Distribution	90.0 °Celsius	0.0%	0.5%	1.6%	2.8%	5.0%	0.0	0.4	1.4	2.5	4.5	
Victor 115/12	Koala	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	1.9%	0.1%	1.1%	2.2%	5.0%	1.7	0.1	1.0	1.9	4.5	
Victor 115/12	Magua	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	14.9%	13.3%	14.3%	15.4%	18.4%	13.4	11.9	12.9	13.9	16.6	
Victor 115/12	Olancha	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	4.3%	2.5%	3.3%	4.0%	6.7%	3.9	2.3	2.9	3.6	6.0	
Victor 115/12	Zasadni	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	4.1%	2.3%	3.4%	4.5%	7.4%	3.7	2.1	3.0	4.0	6.7	
Victor 115/12	Beeline	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	0.4%	1.0%	2.0%	3.2%	6.2%	0.3	0.9	1.8	2.9	5.6	
Victor 115/12	Eagle Ranch	Distribution Feeder	Capacity	Demand Growth	6/1/2022	Distribution	90.0 °Celsius	0.0%	0.0%	0.0%	0.0%	2.7%	0.0	0.0	0.0	0.0	2.4	
Victor 115/12	Manzer	Distribution Feeder	Capacity	Demand Growth	6/1/2022	Distribution	90.0 °Celsius	0.0%	0.0%	0.0%	0.0%	2.7%	0.0	0.0	0.0	0.0	2.4	
Walnut 66/12	Factory	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	2.9%	2.5%	2.5%	2.3%	3.0%	2.7	2.2	2.3	2.1	2.7	
Walnut 66/12	Grazide	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	18.0%	17.6%	17.6%	17.3%	17.9%	16.2	15.9	15.8	15.6	16.1	
Walnut 66/12	Kwis	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	8.9%	8.6%	8.8%	8.7%	9.6%	8.0	7.7	7.9	7.8	8.6	
Walteria 66/4.16	Moon	Distribution Feeder	Capacity	Demand Growth	6/1/2020	Distribution	90.0 °Celsius	0.0%	0.0%	1.0%	2.6%	5.3%	0.0	0.0	0.9	2.3	4.8	
Walteria 66/4.16	Narbonne	Distribution Feeder	Capacity	Demand Growth	6/1/2018	Distribution	90.0 °Celsius	4.3%	4.8%	5.9%	6.6%	9.2%	3.9	4.3	5.3	5.9	8.3	
Chino 220/66 kV - Substation	TSP ABank	Reliability, Capacity	Demand Growth	12/31/2019	Substation 848	MW	1.9%	2.5%	3.2%	4.1%	6.9%	16.2	20.8	27.2	34.6	58.2		
Valley-Elsinore-Ivyglen 115 kV - Line	TSP STL	Reliability, Capacity	Demand Growth	6/1/2020	Subtransmi	184.0 MW	7.9%	9.5%	10.2%	10.7%	11.6%	14.6	17.4	18.8	19.6	21.4		
Alberhill 500/115 kV - Substation	TSP ABank	Reliability, Capacity	Demand Growth	6/1/2021	Substation 1119	MW	0.0%	0.0%	0.0%	0.0%	0.5%	0.0	0.0	0.0	0.0	6.0		
Rector-Goshen-Liberty No. 1 66 kV - Line	TSP STL	Reliability, Capacity	Demand Growth	6/1/2018	Subtransmi	143.4 MW	24.3%	23.8%	24.7%	23.1%	25.3%	34.9	34.2	35.4	33.1	36.2		
Elizabeth Lake - Pitchgen 66 kV - Line	TSP STL	Reliability, Capacity	Demand Growth	6/1/2022	Subtransmi	87.2 MW	1.8%	5.3%	13.3%	20.0%	24.8%	1.6	4.7	11.6	17.4	21.6		
Rio Hondo-Dalton-Liquid 66 kV - Line	TSP STL	Reliability, Capacity	Demand Growth	6/1/2020	Subtransmi	88.2 MW	0.0%	1.2%	1.5%	1.7%	2.4%	0.0	1.0	1.3	1.5	2.1		
Saugus-Elizabeth Lake-MWD Foothill 66 kV - Line	TSP STL	Reliability, Capacity	Demand Growth	6/1/2022	Subtransmi	87.2 MW	1.4%	5.3%	12.6%	19.7%	23.2%	1.2	4.7	11.0	17.2	20.2		
Eagle Rock-Fairfax-Wabash 66 kV - Line	Eagle Rock-Bev	Reliability, Capacity	Demand Growth	6/1/2018	Subtransmi	59.2 MW	9.7%	10.9%	20.4%	23.0%	27.7%	5.7	6.5	12.1	13.6	16.4		
Rector - Riverway No. 2 66 kv new Line	TSP STL	Reliability, Capacity	Demand Growth	6/1/2021	Subtransmi	143.4 MW	9.4%	7.8%	9.0%	8.0%	10.5%	13.5	11.2	12.9	11.5	15.1		
Valley-Auld-Triton 115 kV - Line	TSP STL	Reliability, Capacity	Demand Growth	6/1/2020	Subtransmi	293.0 MW	1.5%	1.7%	2.9%	4.8%	6.5%	4.4	5.0	8.4	14.0	19.0		
Moorpark 220/66 kV - Substation	TSP ABank	Capacity	Demand Growth	6/1/2021	Substation 552	MW	0.9%	2.0%	2.9%	4.0%	4.9%	4.9	11.1	15.9	22.0	27.3		
La Cienega-Beverly-Culver 66 kV - Line, La Cienega-Cu	TSP STL	Reliability, Capacity	Demand Growth	12/31/2018	Subtransmi	82.7 MW	6.2%	14.7%	14.3%	16.8%	16.0%	5.1	12.2	11.8	13.9	13.3		
Springville-Strathmore 66 kV - Line	TSP STL	Reliability, Capacity	Demand Growth	6/1/2019	Subtransmi	63.3 MW	2.6%	2.3%	3.8%	6.2%	7.7%	1.7	1.4	2.4	3.9	4.9		
Vestal-Browning-Delano 66 kV - Line	TSP STL	Reliability, Voltage	Demand Growth	12/31/2018	Subtransmi +/- 0.05	Vpu	13.2%	10.8%	44.0%	44.8%	7.8%	0.0	0.0	0.0	0.0	0.0		
Del Amo 220/66(S) - Substation	TSP ABank	Reliability/Capacity	Demand Growth	6/1/2019	Substation	415.0 MW	24.7%	24.8%	26.0%	26.1%	26.9%	102.5	102.8	107.9	108.4	111.8		
Vestal-Mariposa 66 kV - Line	TSP STL	Reliability, Capacity	Demand Growth	6/1/2018	Subtransmi	65.1 MW	13.4%	15.6%	17.1%	18.7%	18.0%	8.7	10.2	11.1	12.2	11.7		
Lindsay-Strathmore 66 kV - Line	TSP STL	Reliability, Voltage	Demand Growth	6/1/2021	Subtransmi +/- 0.05	Vpu	2.8%	27.6%	32.8%	17.8%	2.2%	0.0	0.0	0.0	0.0	0.0		
Rector Oakgrove 66 kV CB - Substation	TSP STL	Reliability, Capacity	Demand Growth	6/1/2018	Substation	143.4 MW	15.4%	13.7%	14.8%	13.8%	16.4%	22.1	19.6	21.3	19.7	23.5		
Poplar 66/12 kV - Substation	TSP STV	Reliability, Voltage	Demand Growth	6/1/2019	Substation	+/- 0.05 Vpu	52.0%	68.0%	104.0%	77.8%	82.2%	0.0	0.0	0.1	0.0	0.0		
Vestal-Columbine-Delano-Earlmart 66 kV - Line	TSP STL	Reliability, Capacity	Demand Growth	12/31/2018	Subtransmi	48.4 MW	2.0%	2.7%	2.7%	4.4%	5.4%	1.0	1.3	1.3	2.2	2.6		
Johanna 220/66 kV - Substation	TSP ABank	Reliability, Capacity	Demand Growth	12/31/2018	Substation 307	MW	0.0%	0.0%	0.1%	0.2%	0.3%	0.0	0.0	0.3	0.7	0.8		
Porterville-Woodville 66 kV - Line	TSP STL	Reliability, Capacity	Demand Growth	6/1/2019	Subtransmi	65.1 MW	1.5%	2.0%	2.9%	3.9%	6.1%	1.0	1.3	1.9	2.5	3.9		
Newhall 66/16 kV - Substation	TSP STL	Reliability, Voltage	Demand Growth	6/1/2021	Substation +/- 0.05	Vpu	0.0%	0.0%	0.0%	8.0%	12.0%	0.0	0.0	0.0	0.0	0.0		
Springville-Porterville-Strathmore 66 kV - Line	TSP STL	Reliability, Voltage	Demand Growth	6/1/2019	Subtransmi +/- 0.05	Vpu	34.8%	0.2%	1.2%	17.8%	2.2%	0.0	0.0	0.0	0.0	0.0		
Saugus - Colossus - Lockheed - Pitchgen 66 kV - Line	TSP STL	Reliability, Capacity	Demand Growth	6/1/2019	Subtransmi	96.8 MW	10.5%	9.0%	11.2%	12.3%	15.6%	10.2	8.7	10.9	12.0	15.1		
Viejo-Limestone 66 kV and Viejo-Limestone- Moulton	TSP STL	Reliability, Capacity	Demand Growth	6/1/2019	Subtransmi	143.4 MW	3.6%	5.5%	5.8%	5.2%	4.7%	5.1	7.9	8.4	7.5	6.8		
Corona 66 kV Substation	TSP STL	Reliability, Capacity	Demand Growth	12/31/2018	Substation	143.4 MW	6.7%	7.7%	8.5%	12.6%	16.6%	9.6	11.1	12.2	18.0	23.8		
El Nido-Felton-La Cienega 66 kV - Line	TSP STL	Reliability, Capacity	Demand Growth	12/31/2019	Subtransmi	121.4 MW	0.0%	0.0%	4.1%	5.6%	8.1%	0.0	0.0	5.0	6.8	9.8		
Browning-Delano 66 kV - Line	TSP STL	Reliability, Capacity	Demand Growth	6/1/2019	Subtransmi	65.1 MW	0.0%	15.2%	12.1%	12.5%	12.8%	0.0	9.9	7.9	8.1	8.4		
Mariposa 66/12 kV - Substation	TSP STL	Reliability, Voltage	Demand Growth	6/1/2022	Substation +/- 0.05	Vpu	34.8%	0.2%	1.2%	17.8%	2.2%	0.0	0.0	0.0	0.0	0.0		
Santa Clara - Goleta Tie Line Loss D60 Scheme	TSP STL	Reliability, Capacity	Demand Growth	12/31/2019	Subtransmi	188.1 MW	17.2%	17.2%	17.2%	17.2%	32.4	32.4	32.4	32.4	32.4	32.4		
El Nido-Lennox 66 kV - Line	TSP STL	Reliability, Capacity	Demand Growth	12/31/2020	Subtransmi	137.0 MW	0.0%	0.0%	0.0%	0.0%	7.3%	0.0	0.0	0.0	0.0	10.0		
Beverly 66/4.16 - Substation, Studio 66/12 - Substatio	TSP STL	Reliability, Capacity	Demand Growth	12/31/2018	Subtransmi	75.3 MW	0.0%	0.0%	8.4%	9.7%	11.4%	0.0	0.0	6.3	7.3	8.6		
Crater-Latigo-Tapia 66 kV - Line	TSP STL	Reliability, Capacity	Demand Growth	6/1/2022	Subtransmi	29.3 MW	0.7%	2.1%	3.2%	3.9%	4.7%	0.2	0.6	0.9	1.1	1.4		
Santa Clara-Channel Island-Mandalay 66 kV - Substati	TSP STL	Reliability, Voltage	Demand Growth	6/1/2020	Substation +/- 0.05	Vpu	0.0%	0.0%	46.0%	38.0%	38.0%	0.0	0.0	0.0	0.0	0.0		

Substation / Subtransmission Line	Circuit	Element Identifier	Distribution Service Required	Primary Driver of Grid Need	Operating Date	Equipment			Deficiency (%)					Deficiency (MW, °C, V _{pu})				
						Element	Rating	Units	2018	2019	2020	2021	2022	2018 ¹	2019 ¹	2020 ¹	2021 ¹	2022 ¹
Padua-Live Oak 66 kV - Line		TSP STL	Reliability, Capacity	Demand Growth	6/1/2021	Subtransmi	109.8 MW		3.4%	2.0%	2.6%	4.4%	4.5%	3.7	2.2	2.9	4.8	4.9
Mira Loma-Archibald 66 kV - Substation		TSP STL	Reliability, Capacity	Demand Growth	6/1/2019	Substation	143.4 MW		15.5%	15.9%	16.8%	21.5%	24.3%	22.2	22.8	24.1	30.8	34.8
Jefferson 66 kV - Substation		TSP STL	Reliability, Capacity	Demand Growth	6/1/2019	Substation	143.4 MW		1.3%	2.1%	4.0%	6.7%	9.2%	1.9	3.0	5.7	9.6	13.1
Mira Loma-Bain-Pedley 66 kV - Line		TSP STL	Reliability, Capacity	Demand Growth	6/1/2020	Subtransmi	86.4 MW		26.7%	27.9%	27.5%	30.6%	34.2%	23.1	24.1	23.8	26.4	29.5
Riverway 66 kV - Substation		TSP STL	Reliability, Capacity	Demand Growth	6/1/2018	Substation	143.4 MW		9.3%	7.8%	9.0%	8.0%	10.5%	13.4	11.2	12.9	11.5	15.1
Santiago-Chip-Coygen-Crown-Macarthur-University 66 kV - Line		TSP STL	Reliability, Capacity	Demand Growth	6/1/2019	Subtransmi	143.4 MW		0.3%	0.3%	0.4%	0.7%	0.7%	0.5	0.5	0.6	1.0	1.0
Santiago-Irvine 66 kV - Line		TSP STL	Reliability, Capacity	Demand Growth	6/1/2019	Subtransmi	143.4 MW		2.0%	4.4%	7.4%	9.8%	11.5%	2.9	6.3	10.6	14.0	16.5
Thornhill 115/12 - Substation		TSP STL	Reliability, Voltage	Demand Growth	6/1/2020	Substation	+/- 0.05 Vpu		0.0%	0.0%	4.0%	40.0%	8.0%	0.0	0.0	0.0	0.0	0.0

Facility	2018					2019					2020					2021					2022				
	EE Demand (MW)	PV (MW) ^{1a}	EE (MW) ^{1b}	EV (MW) ^{1b}	LMDR (MW) ^{1b}	EE Demand (MW)	PV (MW) ^{1b}	EE (MW) ^{1b}	EV (MW) ^{1b}	LMDR (MW) ^{1b}	EE Demand (MW)	PV (MW) ^{2b}	EE (MW) ^{2b}	EV (MW) ^{2b}	LMDR (MW) ^{2b}	EE Demand (MW)	PV (MW) ^{2b}	EE (MW) ^{2b}	EV (MW) ^{2b}	LMDR (MW) ^{2b}	EE Demand (MW)	PV (MW) ^{2b}	EE (MW) ^{2b}	EV (MW) ^{2b}	LMDR (MW) ^{2b}
Alpine 2.4kV	0.0000	-0.0044	-0.0027	0.0023	0.0000	0.0000	-0.0042	-0.0018	0.0026	0.0000	0.0000	-0.0039	-0.0011	0.0017	0.0000	0.0000	-0.0049	-0.0017	-0.0022	0.0000	0.0000	-0.0057	-0.0017	0.0036	0.0000
Altair 1.6kV	0.0000	-0.0159	-0.0034	0.0036	0.0001	0.0000	-0.0159	-0.0020	0.0041	-0.0008	0.0000	-0.0156	-0.0008	0.0027	0.0000	0.0000	-0.0224	-0.0019	-0.0034	-0.0013	0.0000	-0.0294	-0.0019	0.0055	-0.0009
Altistot 12kV	0.0132	-0.0159	-0.0128	0.0048	0.0000	0.0098	-0.0158	-0.0082	0.0054	0.0000	0.0179	-0.0292	-0.0043	0.0036	0.0000	0.0206	-0.0383	-0.0078	-0.0072	0.0000	0.0436	-0.0464	-0.0077	0.0067	0.0000
Alta 4.16kV	0.0114	-0.0129	-0.0044	0.0027	0.0003	0.0084	-0.0130	-0.0026	0.0030	0.0000	0.0154	-0.0128	-0.0011	0.0021	-0.0004	0.0177	-0.0182	-0.0024	-0.0002	-0.0009	0.0374	-0.0240	-0.0024	0.0046	0.0000
Alterra 12kV	0.3778	-0.0841	-0.0658	0.0033	0.0040	0.1201	-0.0865	-0.0625	0.0040	-0.0036	0.0322	-0.0869	-0.0605	0.0035	-0.0009	0.0370	-0.1076	-0.0539	0.0014	-0.018	0.0782	-0.1287	-0.0592	0.0064	0.0000
Altura 4.16kV	0.0038	-0.0100	-0.0039	0.0040	0.0000	0.0028	-0.0099	-0.0025	0.0045	0.0003	0.0051	-0.0096	-0.0013	0.0029	-0.0004	0.0000	-0.0132	-0.0023	-0.0038	-0.0004	0.0000	-0.0170	0.0023	0.0061	-0.0004
Aluminum 12kV	0.0126	-0.0482	-0.0319	0.0028	0.0016	0.0094	-0.0508	-0.0291	0.0031	0.0002	0.0171	-0.0518	-0.0270	0.0022	-0.0001	0.0123	-0.0686	-0.0296	-0.0003	-0.0004	0.0259	-0.0870	-0.0275	0.0048	-0.0009
Alvarado 16kV	0.2850	-0.0618	-0.0333	0.0073	0.0000	0.2197	-0.0653	-0.0272	0.0089	0.0000	0.2573	-0.0678	-0.0223	0.0066	0.0000	0.2958	-0.0859	-0.0271	-0.0054	0.0000	0.2262	-0.1067	-0.0257	0.0118	0.0000
Alvera 12kV	0.0335	-0.0437	-0.0289	0.0034	-0.0014	0.0249	-0.0392	-0.0231	0.0039	-0.0032	0.0419	-0.0349	-0.0183	0.0025	-0.0018	0.0482	-0.0395	-0.0229	-0.0032	-0.0097	0.0946	-0.0423	-0.0218	0.0053	-0.0009
Amado 12kV	0.0335	-0.0268	-0.0239	0.0041	0.0026	0.0249	-0.0239	-0.0185	0.0046	0.0019	0.0419	-0.0213	-0.0140	0.0030	-0.0015	0.0482	-0.0237	-0.0183	-0.0038	-0.0053	0.0946	-0.0250	-0.0174	0.0062	-0.0018
Amanda 16kV	0.0687	-0.0632	-0.0190	0.0026	0.0000	0.0510	-0.0705	-0.0165	0.0032	0.0000	0.0931	-0.0739	-0.0146	0.0024	0.0000	0.1070	-0.0964	-0.0166	-0.0020	0.0000	0.2262	-0.1144	-0.0157	0.0042	0.0000
Amar 12kV	0.0557	-0.1028	-0.0327	0.0128	0.0000	0.0413	-0.1037	-0.0253	0.0146	0.0000	0.0754	-0.1011	-0.0191	0.0101	0.0000	0.0867	-0.1319	-0.0249	-0.0235	0.0000	0.1833	-0.1580	-0.0238	0.0169	0.0000
Amazon 12kV	0.0000	-0.0589	-0.0538	0.0111	0.0044	0.0000	-0.0642	-0.0510	0.0013	-0.0018	0.0000	-0.0684	-0.0490	0.0012	0.0009	0.0000	-0.0809	-0.0514	0.0005	0.0000	0.0000	-0.0484	-0.0211	0.0021	0.0000
Amber 12kV	0.0079	-0.0229	-0.0167	0.0018	0.0012	0.0059	-0.0202	-0.0177	0.0021	0.0000	0.0107	-0.0177	-0.0093	0.0013	0.0000	0.0123	-0.0201	-0.0125	-0.0018	0.0000	0.0216	-0.0119	0.0028	-0.0064	
Ambercrest 16kV	0.0025	-0.0933	-0.0421	0.0041	0.0000	0.0144	-0.0933	-0.0452	0.0051	0.0000	0.0301	-0.0933	-0.0452	0.0051	0.0000	0.0144	-0.0933	-0.0452	-0.0018	0.0000	0.0224	-0.1234	-0.0061	0.0061	
Ambergris 12kV	0.1424	-0.0696	-0.0000	0.0000	0.0000	0.1242	-0.0696	-0.0000	0.0000	0.0000	0.1242	-0.0696	-0.0000	0.0000	0.0000	0.1245	-0.0696	-0.0000	0.0000	0.0000	0.1087	-0.0696	-0.0000	0.0000	
Amberly 16kV	0.0243	-0.0853	-0.0347	0.0205	0.0000	0.0181	-0.0853	-0.0201	0.0230	0.0000	0.0330	-0.0821	-0.0163	0.0152	0.0000	0.0379	-0.1053	-0.0200	-0.0305	0.0000	0.0602	-0.1236	-0.0189	0.0285	0.0000
Ambrus 16kV	0.0343	-0.1097	-0.0338	0.0056	0.0024	0.1204	-0.1097	-0.0290	0.0063	-0.0055	0.0465	-0.1242	-0.0252	0.0045	-0.0020	0.0535	-0.1728	-0.0291	-0.0005	0.013	0.1139	-0.2149	-0.0274	0.0097	-0.0013
Ambushees 12kV	0.0150	-0.0679	-0.0220	0.0115	0.0008	0.0112	-0.0680	-0.0174	0.0130	-0.0022	0.0045	-0.0665	-0.0136	0.0084	-0.0010	0.0234	-0.0907	-0.0173	-0.0108	-0.0018	0.0495	-0.1153	-0.0164	0.0175	-0.0009
American 12kV	0.1761	-0.0591	-0.0369	0.0014	0.0020	0.1509	-0.0542	-0.0220	0.0016	-0.0072	0.1509	-0.0489	-0.0180	0.0011	-0.0014	0.1509	-0.0594	-0.0219	-0.0001	0.0044	0.1509	-0.0678	-0.0208	0.0024	-0.0052
Amestoy 1.6kV	0.0000	-0.0189	-0.0056	0.0031	0.0000	0.0221	-0.0033	0.0096	0.0000	0.0245	0.0014	-0.0011	0.0073	0.0000	0.0377	0.0000	0.0000	0.0000	0.0000	0.0504	-0.0031	0.0000	0.0000		
Amethyst 12kV	0.0132	-0.0901	-0.0165	0.0097	-0.0005	0.0098	-0.0851	-0.0106	0.0110	-0.0015	0.0175	-0.0768	-0.0055	0.0071	-0.0009	0.0206	-0.0981	-0.0100	-0.0092	-0.0027	0.0436	-0.1137	-0.0099	0.0149	-0.0027
Amme 12kV	0.0571	-0.0736	-0.0191	0.0010	-0.0076	0.0424	-0.0711	-0.0134	0.0012	0.0001	0.0774	-0.0673	-0.0084	0.0008	-0.0006	0.0890	-0.0868	-0.0128	-0.0001	0.0000	0.1880	-0.1050	-0.0127	0.0018	-0.0013
Amos 4.16kV	0.0076	-0.0254	-0.0046	0.0026	0.0000	0.0056	-0.0258	-0.0027	0.0029	0.0009	0.0103	-0.0256	-0.0010	0.0019	0.0000	0.0118	-0.0375	-0.0025	-0.0004	0.0249	-0.0504	-0.0025	0.0039	-0.0013	
Amtrak 12kV	0.0217	-0.0151	-0.0179	0.0003	0.0020	0.0161	-0.0169	-0.0178	0.0004	-0.0002	0.0285	-0.0184	-0.0179	0.0005	-0.0004	0.0336	-0.0191	-0.0177	0.0013	0.0000	0.0710	-0.0201	-0.0016	0.0101	0.0000
Anacapa 4.16kV	0.0000	-0.0015	-0.0008	0.0004	0.0000	0.0000	-0.0013	-0.0007	0.0005	0.0000	0.0001	-0.0011	-0.0007	0.0007	0.0000	0.0000	-0.0012	-0.0007	0.0001	0.0000	0.0000	-0.0011	0.0000	0.0000	
Anacunda 16kV	0.0015	-0.0745	-0.0199	0.0028	0.0025	0.0011	-0.0676	-0.0163	0.0031	0.0000	0.0020	-0.0578	-0.0133	0.0022	-0.0009	0.0223	-0.0663	-0.0162	-0.0003	0.013	0.0048	-0.0869	-0.0154	0.0048	-0.0009
Anahurst 16kV	0.0023	-0.0274	-0.0118	0.0032	0.0000	0.0017	-0.0282	-0.0066	0.0040	0.0000	0.0032	-0.0280	-0.0022	0.0029	-0.0009	0.0037	-0.0410	-0.0061	-0.0024	0.0000	0.0054	-0.0554	-0.0062	0.0052	0.0000
Anakin 12kV	0.0160	-0.0844	-0.0364	0.0045	0.0014	0.0119	-0.0786	-0.0313	0.0051	-0.0015	0.0217	-0.0711	-0.0274	0.0033	-0.0019	0.0250	-0.0862	-0.0316	-0.0042	-0.0013	0.0528	-0.0978	-0.0296	0.0069	-0.0004
Anapamu 4.16kV	0.0005	-0.0069	-0.0064	0.0013	0.0000	0.0005	-0.0108	-0.0027	0.0009	0.0000	0.0001	-0.0070	-0.0013	0.0005	-0.0006	0.0005	-0.0136	-0.0026	-0.0005	0.0006	0.0001	-0.0060	0.0026	0.0000	
Anawalt 12kV	0.0268	-0.1081	-0.0271	0.0059	0.0199	-0.1079	-0.0213	0.0067	0.0000	0.0363	-0.1026	-0.0201	0.0048	-0.0003	0.0418	-0.1356	-0.0210	-0.0005	0.018	0.0883	-0.1617	-0.0200	0.0104	-0.0009	
Anchor 4.16kV	0.0000	-0.0126	-0.0041	0.0018	0.0000	0.0132	-0.0025	0.0000	0.0000	0.0134	-0.0134	-0.0016	0.0016	-0.0006	0.0134	-0.0198	-0.0023	-0.0013	0.0000	0.0273	-0.0029	0.0000	0.0000		
Andres 12kV	0.0043	-0.0044	-0.0038	0.0008	0.0000	0.0049	-0.0044	0.0000	0.0000	0.0102	-0.0077	-0.0026	0.0036	-0.0001	0.0089	-0.0195	-0.0015	-0.0027	0.0018	0.0106	-0.0153	-0.0067	0.0027	0.0000	
Anton 16kV	0.0183	-0.0251	-0.0092	0.0075	0.0000	0.0136	-0.0265	-0.0083	0.0230	0.0000	0.0248	-0.0271	-0.0075	0.0175	0.0000	0.0285	-0.0302	-0.0082	0.0000	0.0602	-0.0330	-0.0081	0.0318	0.0000	
Antone 12kV	0.0051	-0.0465	-0.0356	0.0007	0.0037	0.0038	-0.0517	-0.0338	0.0009	0.0001	0.0672	-0.0546	-0.0326	0.0008	-0.0013	0.0080	-0.0408	-0.0138	0.0000	0.0195	-0.0495	-0.0045	0.0310	0.0000	
Antwerp 1.6kV</td																									

Facility	2018					2019					2020					2021					2022					
	EE Demand (MW)	PV (MW) ^{1a}	EE (MW) ^{1b}	EV (MW) ^{1b}	LMDR (MW) ^{1b}	EE Demand (MW)	PV (MW) ^{1b}	EE (MW) ^{1b}	EV (MW) ^{1b}	LMDR (MW) ^{1b}	EE Demand (MW)	PV (MW) ^{2b}	EE (MW) ^{2b}	EV (MW) ^{2b}	LMDR (MW) ^{2b}	EE Demand (MW)	PV (MW) ^{2b}	EE (MW) ^{2b}	EV (MW) ^{2b}	LMDR (MW) ^{2b}	EE Demand (MW)	PV (MW) ^{2b}	EE (MW) ^{2b}	EV (MW) ^{2b}	LMDR (MW) ^{2b}	
Arliss 12kV	0.0540	-0.0486	-0.0313	0.0044	0.0012	0.0138	-0.0281	0.0049	0.0000	0.0252	-0.0431	-0.0258	0.0035	-0.0008	0.0289	-0.0507	-0.0285	-0.0004	-0.0188	0.0612	-0.0575	-0.0266	0.0076	-0.0027		
Armeda 12kV	0.0094	-0.0479	-0.0138	0.0069	0.0005	0.0070	-0.0443	-0.0096	0.0078	-0.0006	0.0128	-0.0400	-0.0059	0.0050	-0.0011	0.0147	-0.0502	-0.0091	-0.0065	-0.013	0.0311	-0.0586	-0.0090	0.0105	-0.0013	
Armlip 12kV	0.0432	-0.0158	-0.0003	0.0024	0.0000	0.0320	-0.0153	-0.0003	0.0072	0.0000	0.0585	-0.0140	-0.0003	0.0055	0.0000	0.0673	-0.0172	-0.0003	0.0158	0.0000	0.1422	-0.0189	-0.0003	0.0100	0.0000	
Armour 4.16kV	0.0000	-0.0176	-0.0051	0.0025	0.0006	0.0000	-0.0160	-0.0032	0.0028	-0.0003	0.0000	-0.0137	-0.0015	0.0002	0.0000	0.0166	-0.0300	-0.0002	0.0000	0.0000	-0.0186	-0.0030	0.0043	0.0000	0.0000	
Armstrong 12kV	0.0347	-0.0187	-0.0078	0.0009	0.0004	0.0257	-0.0187	-0.0059	0.0010	-0.0022	0.0470	-0.0183	-0.0043	0.0007	-0.0001	0.0540	-0.0251	-0.0058	-0.0001	0.0009	0.1141	-0.0321	-0.0055	0.0015	-0.0004	
Arneil 16kV	0.0128	-0.0444	-0.0326	0.0030	0.0072	0.0095	-0.0454	-0.0313	0.0037	-0.0013	0.0173	-0.0453	-0.0304	0.0032	0.0002	0.0199	-0.0516	-0.0313	0.0013	0.0000	0.0421	-0.0575	-0.0295	0.0059	0.0000	
Arnett 12kV	0.0094	-0.0417	-0.0077	0.0024	0.0000	0.0070	-0.0459	-0.0058	0.0027	0.0000	0.0128	-0.0466	-0.0042	0.0019	0.0000	0.0147	-0.0636	-0.0057	-0.0044	0.0000	0.0311	-0.0757	-0.0055	0.0031	0.0000	
Arnez 12kV	0.0138	-0.0446	-0.0276	0.0017	-0.0068	0.0103	-0.0387	-0.0205	0.0022	-0.0046	0.0187	-0.0331	-0.0145	0.0026	-0.0022	0.0215	-0.0373	-0.0200	0.0005	-0.035	0.0455	-0.0395	-0.0193	0.0305	-0.0013	
Arnold 12kV	0.0111	-0.1422	-0.0221	0.0351	0.0000	0.0082	-0.1561	-0.0138	0.0178	0.0000	0.0151	-0.1591	-0.0067	0.0819	0.0000	0.0173	-0.2208	-0.0130	0.2358	0.0000	0.0366	-0.2660	-0.0129	0.1490	0.0000	
Arrington 4.16kV	0.0038	-0.0118	-0.0018	0.0005	0.0000	0.0028	-0.0117	-0.0010	0.0006	0.0051	-0.0113	-0.0003	0.0005	0.0000	0.0160	-0.0099	0.0002	0.0000	0.0125	-0.0209	-0.0009	0.0009	-0.0004	0.0000		
Arscene 12kV	0.0034	-0.0839	-0.0831	0.0027	0.0000	0.0025	-0.0936	-0.0816	0.0036	0.0000	0.0045	-0.0973	-0.0807	0.0051	0.0000	0.0104	-0.1042	-0.0804	0.0010	0.0000	0.0110	-0.1122	-0.0067	0.0057	0.0000	0.0000
Artisanos 16kV	0.0270	-0.0995	-0.1615	0.0015	0.0000	0.0163	-0.1106	-0.1645	0.0018	0.0000	0.0297	-0.1193	-0.1697	0.0027	0.0000	0.0341	-0.1278	-0.1701	0.0012	0.0000	0.0721	-0.1383	-0.1563	0.0031	0.0000	
Artist 12kV	0.0129	-0.0900	-0.0332	0.0247	0.0000	0.0096	-0.0983	-0.0214	0.0281	0.0000	0.0174	-0.1034	-0.0112	0.0194	0.0000	0.0200	-0.1512	-0.0202	-0.0453	0.0000	0.0424	-0.2090	-0.0200	0.0325	0.0060	
Aruba 12kV	0.0040	-0.0475	-0.0494	0.0033	0.0012	0.0030	-0.0502	-0.0485	0.0039	0.0022	0.0054	-0.0518	-0.0485	0.0034	0.0000	0.0652	-0.0595	-0.0499	0.0014	0.0000	0.0668	-0.0646	-0.0460	0.0063	0.0000	
Armenia 16kV	0.0051	-0.0451	-0.0451	0.0021	0.0000	0.0051	-0.0450	-0.0450	0.0021	0.0000	0.0150	-0.0450	-0.0450	0.0021	0.0000	0.0650	-0.0595	-0.0499	0.0014	0.0000	0.0668	-0.0646	-0.0460	0.0063	0.0000	
Asch 4.16kV	0.0044	-0.0168	-0.0085	0.0044	0.0011	0.0033	-0.0362	-0.0064	0.0049	-0.0007	0.0060	-0.0332	-0.0046	0.0003	0.0000	0.0431	-0.0043	-0.0041	-0.0004	0.0145	-0.0360	-0.0067	0.0057	0.0000		
Ashdown 12kV	0.0382	-0.0770	-0.0163	0.0455	0.0000	0.0041	-0.0638	-0.0100	0.0050	0.0000	0.1609	-0.0597	-0.0046	0.0033	0.0000	0.2523	-0.0749	-0.0094	0.0067	0.0000	0.8886	-0.0866	-0.0093	0.0062	0.0000	
Ashford 12kV	0.0132	-0.0491	-0.0093	0.0045	0.0000	0.0098	-0.0478	-0.0055	0.0023	0.0017	0.0179	-0.0454	-0.0041	0.0041	0.0036	0.0206	0.0618	-0.0063	-0.0004	-0.035	0.0436	-0.0777	-0.0061	0.0079	-0.0027	
Ashland 4.16kV	0.0027	-0.0152	-0.0501	0.0108	0.0000	0.0020	-0.0143	-0.0333	0.0123	0.0000	0.0037	-0.0123	-0.0017	0.0085	0.0000	0.0042	-0.0142	-0.0211	-0.0198	0.0000	0.0146	-0.0301	-0.0142	0.0000	0.0000	
Ashley 4.16kV	0.0000	-0.0054	-0.0024	0.0012	0.0000	0.0050	-0.0054	-0.0014	0.0014	0.0000	0.0003	-0.0043	-0.0005	0.0011	0.0000	0.0000	-0.0051	-0.0013	-0.0009	0.0000	0.0057	-0.0013	0.0019	0.0000	0.0000	
Ashmont 4.16kV	0.0000	-0.0109	-0.0028	0.0020	0.0000	0.0000	-0.0109	-0.0016	0.0022	0.0000	0.0107	-0.0005	0.0014	0.0004	0.0000	-0.0153	-0.0019	0.0000	0.0000	0.0202	-0.0015	0.0030	-0.0004	0.0000		
Aspen 16kV	0.0080	-0.0904	-0.0838	0.0038	0.0000	0.0060	-0.1020	-0.0830	0.0050	0.0000	0.0109	-0.1099	-0.0832	0.0071	0.0000	0.0125	-0.1317	-0.0839	0.0014	0.0000	0.0264	-0.1525	-0.0784	0.0080	0.0000	
Assembly 12kV	0.0168	-0.0619	-0.0433	0.0004	0.0011	0.0125	-0.0628	-0.0407	0.0005	-0.0001	0.0228	-0.0624	-0.0389	0.0007	-0.0001	0.0262	-0.0734	-0.0408	0.0016	-0.0009	0.0553	-0.0839	-0.0085	0.0012	0.0000	
Asteroid 16kV	0.0297	-0.1373	-0.0481	0.0264	0.0078	0.0221	-0.1467	-0.0417	0.0297	-0.0044	0.0403	-0.1470	-0.0367	0.0193	-0.0035	0.0434	-0.1921	-0.0420	-0.0248	-0.0022	0.0918	-0.2287	-0.0395	0.0402	-0.0022	
Aston 12kV	0.0854	-0.0442	-0.0310	0.0038	0.0024	0.0854	-0.0476	-0.0284	0.0044	0.0000	0.0502	-0.0526	-0.0263	0.0031	0.0000	0.0854	-0.0594	-0.0278	-0.0009	0.0854	-0.0702	-0.0268	0.0067	-0.0013		
Astor 12kV	0.0581	-0.1091	-0.0338	0.0006	0.0018	0.0431	-0.1031	-0.0279	0.0007	-0.0002	0.0787	-0.0936	-0.0231	0.0006	-0.0006	0.0905	-0.1163	-0.0278	0.0003	-0.018	0.1912	-0.1331	-0.0263	0.0012	-0.0013	
Astoria 12kV	0.0471	-0.0887	-0.0309	0.0026	0.0046	0.0350	-0.0867	-0.0281	0.0030	-0.0006	0.0638	-0.0808	-0.0259	0.0021	-0.0006	0.0734	-0.0983	-0.0282	-0.0009	0.0155	-0.1107	-0.0265	0.0046	-0.0009		
Astrology 12kV	0.0041	-0.0318	-0.0457	0.0010	0.0000	0.0030	-0.0352	-0.0465	0.0012	0.0000	0.0055	-0.0377	-0.0478	0.0017	0.0000	0.0063	-0.0407	-0.0479	0.0028	0.0000	0.0133	-0.0436	-0.0441	0.0026	0.0000	
Atento 12kV	0.0448	-0.2004	-0.0223	0.0113	0.0006	0.0177	-0.0203	-0.0153	0.0128	0.0000	0.0219	-0.0230	-0.0153	0.0109	0.0000	0.0187	-0.0282	-0.0147	-0.0010	0.0188	-0.0746	-0.0216	0.0034	0.0000		
Atlet 12kV	0.0079	-0.0337	-0.0171	0.0019	0.0019	0.0151	-0.0255	-0.0181	0.0072	0.0000	0.0227	-0.0267	-0.0153	0.0109	0.0000	0.0125	-0.0309	-0.0177	-0.0016	0.0144	-0.0216	-0.0060	0.0022	0.0000		
Atmore 16kV	0.0404	-0.1065	0.0013	0.0113	0.0118	0.0055	-0.0651	-0.0514	0.0027	0.0000	0.0227	-0.0766	-0.0117	0.0008	-0.0017	0.0378	-0.0967	-0.0178	0.0010	-0.0004	0.0798	-0.1139	-0.0173	0.0044	0.0000	
Atrium 12kV	0.0043	-0.0322	-0.0181	0.0011	0.0011	0.0180	-0.0852	-0.0184	0.0012	-0.0001	0.0228	-0.0766	-0.0117	0.0008	-0.0017	0.0378	-0.0967	-0.0178	0.0010	-0.0004	0.0798	-0.1139	-0.0173	0.0044	0.0000	
Attica 12kV	0.0435	-0.0315	-0.0151	0.0027	0.0000	0.0143	-0.0315	-0.0253	0.0012	0.0000	0.0227	-0.0767	-0.0153	0.0003	-0.0006	0.0556	-0.0939	-0.0189	0.0019	-0.0004	0.0849	-0.1309	-0.0189	0.0030	0.0000	
Automobile 16kV	0.0081	-0.0476	-0.0344	0.0025	0.0082	2.0000	-0.0468	-0.0463	0.0031	0.0011	0.0069	-0.0471	-0.0456	0.0039	0.0018	0.0125	-0.0514	-0.0443	0.0007	0.0055	-0.0340	-0.0309	0.0410	-0.0500	0.0000	
Autodrive 12kV	0.0056	-0.0598	-0.0335	0.0046	0.0070	0.0700	-0.0505	-0.0458	0.0026	0.0000	0.0205	-0.0656	-0.0255	0.0049	0.0000	0.0854	-0.0954	-0.0269	0.0003	-0.0327</td						

Facility	2018					2019					2020					2021					2022				
	ee Demand (MW)	PV (MW) ^{1a}	EE (MW) ^{1b}	EV (MW) ^{1c}	LMDR (MW) ^{1d}	ee Demand (MW)	PV (MW) ^{1a}	EE (MW) ^{1b}	EV (MW) ^{1c}	LMDR (MW) ^{1d}	ee Demand (MW)	PV (MW) ^{2a}	EE (MW) ^{2b}	EV (MW) ^{2c}	LMDR (MW) ^{2d}	ee Demand (MW)	PV (MW) ²¹	EE (MW) ²¹	EV (MW) ²¹	LMDR (MW) ²¹	ee Demand (MW)	PV (MW) ²²	EE (MW) ²²	EV (MW) ²²	LMDR (MW) ²²
Bamboo 12kV	0.0040	-0.0516	-0.0580	0.0006	0.0057	0.0030	-0.0567	-0.0572	0.0008	0.0002	0.0054	-0.0606	-0.0571	0.0011	-0.0010	0.0063	-0.0659	-0.0572	0.0026	0.0000	0.0132	-0.0722	-0.0539	0.0019	-0.0004
Banana 12kV	0.0270	-0.0812	-0.0404	0.0041	0.0014	0.0200	-0.0857	-0.0371	0.0047	-0.0006	0.0366	-0.0854	-0.0348	0.0033	-0.0008	0.0420	-0.1086	-0.0378	-0.0004	-0.0013	0.0889	-0.1255	-0.0352	0.0072	-0.0004
Bancroft 16kV	0.3213	-0.0781	-0.0864	0.0010	0.0000	0.2492	-0.0874	-0.0858	0.0013	-0.0016	0.0487	-0.0949	-0.0857	0.0015	0.0007	0.0560	-0.0987	-0.0843	0.0003	0.0000	0.1183	-0.1040	-0.0806	0.0020	0.0000
Bandera 12kV	0.0255	-0.0695	-0.0729	0.0004	0.0039	0.0189	-0.0778	-0.0719	0.0004	-0.0006	0.0346	-0.0845	-0.0712	0.0006	0.0001	0.0398	-0.0879	-0.0699	0.0014	0.0000	0.0840	-0.0926	-0.0673	0.0010	0.0000
Bandana 12kV	0.5983	-0.0445	-0.0388	0.0033	-0.0048	0.1069	-0.0441	-0.0351	0.0037	0.0010	0.0083	-0.0425	-0.0324	0.0026	-0.0022	0.0095	-0.0467	-0.0356	-0.0003	0.0035	0.0201	-0.0499	-0.0334	0.0057	-0.0013
Banderita 12kV	0.0235	-0.0472	-0.0287	0.0026	0.0066	0.0174	-0.0509	-0.0253	0.0030	-0.0025	0.0318	-0.0527	-0.0225	0.0021	0.0006	0.0366	-0.0685	-0.0254	-0.0002	0.0000	0.0773	-0.0840	-0.0240	0.0046	0.0000
Bandi 12kV	0.0150	-0.0754	-0.0221	0.0132	-0.0012	0.0112	-0.0749	-0.0153	0.0150	0.0204	-0.0728	-0.0096	0.0106	-0.0005	0.0234	-0.1013	-0.0148	-0.0012	0.0018	0.0495	-0.1298	-0.0144	0.0231	-0.0044	
Bariloche 12kV	0.0221	-0.0312	-0.0249	0.0144	0.0020	0.0164	-0.0327	-0.0218	0.0163	-0.0013	0.0299	-0.0333	-0.0193	0.0106	-0.0004	0.0344	-0.0412	-0.0219	-0.0013	0.0726	-0.0495	-0.0206	0.0221	-0.0009	
Banner 12kV	0.0188	-0.0420	-0.0171	0.0031	0.0000	0.0140	-0.0430	-0.0130	0.0035	0.0000	0.0255	-0.0429	-0.0096	0.0024	0.0000	0.0293	-0.0571	-0.0126	-0.0057	0.0000	0.0620	-0.0722	-0.0122	0.0041	0.0000
Banshee 16kV	0.0000	-0.0001	-0.0009	0.0002	0.0002	0.0108	-0.0001	-0.0006	0.0002	0.0001	0.0000	-0.0001	-0.0003	0.0001	0.0000	0.0228	-0.0002	0.0006	0.0000	0.0000	-0.0002	0.0006	0.0003	0.0000	-0.0004
Barra 2.4kV	0.0043	-0.0051	-0.0017	0.0001	0.0000	0.0032	-0.0051	-0.0015	0.0001	0.0000	0.0058	-0.0050	-0.0014	0.0001	0.0000	0.0067	-0.0059	-0.0016	0.0000	0.0130	-0.0048	-0.0015	0.0001	0.0000	
Bayanay 12kV	0.0132	-0.0360	-0.0221	0.0055	0.0016	0.0098	-0.0351	-0.0185	0.0062	-0.0018	0.0179	-0.0331	-0.0155	0.0040	-0.0004	0.0206	-0.0406	-0.0185	-0.0051	0.0436	-0.0473	-0.0174	0.0083	-0.0013	
Barbados 12kV	0.0040	-0.0753	-0.0329	0.0086	0.0007	0.0030	-0.0628	-0.0269	0.0104	-0.0003	0.0054	-0.0500	-0.0202	0.0050	-0.0003	0.062	-0.0527	-0.0268	-0.0037	0.0131	-0.0520	-0.0254	0.0167	-0.0027	
Barbara 12kV	0.0216	-0.0655	-0.0404	0.0011	0.0010	0.0160	-0.0697	-0.0356	0.0014	-0.0006	0.0299	-0.0722	-0.0316	0.0019	-0.0003	0.0336	-0.0902	-0.0343	-0.0044	0.0042	-0.0202	0.0711	-0.1104	0.0032	-0.0009
Barber 12kV	0.0003	-0.0001	-0.0001	0.0001	0.0000	0.0015	-0.0001	-0.0001	0.0001	0.0000	0.0051	-0.0001	-0.0001	0.0001	0.0000	0.0062	-0.0001	-0.0001	0.0001	0.0000	-0.0001	0.0001	-0.0001	0.0000	-0.0001
Barbuda 12kV	0.0000	-0.0005	-0.0031	0.0089	0.0023	0.0000	-0.0002	-0.0004	0.0000	0.0000	0.0056	-0.0001	-0.0006	0.0001	0.0000	0.0144	-0.0099	-0.0009	0.0000	0.0298	-0.0139	-0.0075	0.0000	0.0000	-0.0001
Barclay 12kV	0.0208	-0.0588	-0.0177	0.0152	-0.0013	0.0154	-0.0537	-0.0121	0.0172	0.0004	0.0281	-0.0472	-0.0074	0.0111	-0.0010	0.0324	-0.0583	-0.0117	-0.0043	0.0004	0.0684	-0.0659	-0.0114	0.0233	-0.0013
Barclay 4.16kV	0.0000	-0.0182	-0.0082	0.0033	0.0000	0.0210	-0.0049	0.0038	0.0000	0.0000	0.0234	-0.0021	0.0026	0.0000	0.0000	0.0359	-0.0046	-0.0061	0.0000	0.0500	-0.0046	0.0044	0.0000	0.0000	-0.0001
Bardeen 12kV	0.0240	-0.0474	-0.0549	0.0020	0.0010	0.0178	-0.0547	-0.0533	0.0026	0.0000	0.0225	-0.0600	-0.0526	0.0031	-0.0007	0.0047	-0.0771	-0.0547	0.0006	-0.0223	0.0099	-0.0506	0.0041	-0.0004	0.0000
Barndo 12kV	0.0557	-0.0713	-0.0212	0.0060	0.0016	0.0143	-0.0704	-0.0160	0.0068	-0.0009	0.0754	-0.0683	-0.0115	0.0044	-0.0019	0.0867	-0.0925	-0.0157	-0.0057	0.0223	0.1833	-0.1168	-0.0150	0.0092	-0.0013
Barrie 4.16kV	0.0076	-0.0192	-0.0085	0.0041	0.0000	0.0056	-0.0202	-0.0050	0.0050	0.0000	0.0103	-0.0206	-0.0021	0.0037	0.0000	0.0118	-0.0303	-0.0047	0.0000	0.0249	-0.0066	0.0000	0.0000	0.0000	-0.0001
Barilla 12kV	0.0182	-0.0787	-0.0258	0.0075	0.0031	0.0195	-0.0775	-0.0215	0.0085	0.0019	0.0246	-0.0743	-0.0179	0.0055	-0.0030	0.0283	-0.0969	-0.0215	-0.0073	0.0103	0.0598	-0.1181	-0.0203	0.0115	-0.0018
Barley Flats 16kV	0.0584	-0.0401	-0.0207	0.0031	0.0003	0.0434	-0.0425	-0.0189	0.0038	0.0007	0.0729	-0.0422	-0.0177	0.0033	-0.0016	0.0910	-0.0544	-0.0193	0.0013	-0.0004	0.1924	-0.0630	-0.0179	0.0050	-0.0004
Barlow 16kV	0.0417	-0.0996	-0.1454	0.0002	0.0000	0.0310	-0.1117	-0.1484	0.0003	0.0000	0.0565	-0.1205	-0.1533	0.0004	0.0000	0.0650	-0.1339	-0.1533	0.0002	0.0000	0.1374	-0.1470	-0.1410	0.0004	0.0000
Barncle 16kV	0.2721	-0.1866	-0.0330	0.0034	0.0014	0.2019	-0.0209	-0.0339	0.0042	0.0004	0.3687	-0.0227	-0.0352	0.0036	-0.0003	0.0000	-0.0236	-0.0351	0.0015	0.0000	0.0248	-0.0322	0.0067	0.0000	0.0000
Baroil 33kV	0.0496	-0.0008	-0.0006	0.0002	0.0000	0.0368	-0.0009	-0.0006	0.0002	0.0000	0.0672	-0.0010	-0.0006	0.0002	0.0000	0.0772	-0.0011	-0.0007	0.0000	0.0000	0.1632	-0.0011	-0.0006	0.0003	0.0000
Bar 4.16kV	0.0193	0.0000	0.0000	0.0002	0.0000	0.0143	0.0000	0.0000	0.0002	0.0000	0.0262	0.0000	0.0000	0.0001	0.0000	0.0301	0.0000	0.0000	0.0000	0.0000	0.0636	0.0000	0.0000	0.0000	0.0000
Baracuda 16kV	2.1358	-0.0569	-0.0878	0.0029	-0.0016	0.0108	-0.0632	-0.0897	0.0037	0.0000	0.0198	-0.0681	-0.0927	0.0044	-0.0009	0.0228	-0.0732	-0.0924	0.0009	-0.0001	0.0481	-0.0792	-0.0852	0.0059	0.0000
Baratari 12kV	0.0290	-0.0508	-0.0291	0.0014	0.0005	0.0215	-0.0508	-0.0231	0.0017	0.0009	0.0392	-0.0495	-0.0182	0.0015	0.0005	0.0451	-0.0653	-0.0230	0.0006	-0.0009	0.0594	-0.0814	-0.0227	0.0021	-0.0002
Barington 16kV	0.2921	-0.0445	-0.0240	0.0005	0.0001	0.0869	-0.0448	-0.0221	0.0001	0.0000	0.0503	-0.0447	-0.0141	0.0004	0.0000	0.0646	-0.0840	-0.0249	0.0001	-0.0043	0.0443	-0.0844	-0.0204	0.0000	-0.0004
Baritol 12kV	0.0051	-0.0646	-0.0241	0.0049	0.0001	0.0317	-0.0646	-0.0241	0.0001	0.0000	0.0503	-0.0645	-0.0241	0.0002	0.0000	0.0645	-0.0846	-0.0241	0.0001	-0.0043	0.0442	-0.0845	-0.0204	0.0000	-0.0004
Barriton 12kV	0.0003	-0.0001	-0.0001	0.0001	0.0000	0.0266	-0.0005	-0.0001	0.0003	0.0000	0.0505	-0.0001	-0.0001	0.0000	0.0000	0.0646	-0.0001	-0.0001	0.0000	0.0000	0.0506	-0.0001	0.0000	0.0000	-0.0001
Barstall 12kV	0.45866	-0.0232	-0.0513	0.0017	0.0001	0.0345	-0.0511	0.0020	0.0001	0.0225	-0.0517	0.0018	0.0000	0.0000	0.0636	-0.0826	-0.0239	0.0000	-0.0009	0.0547	-0.0845	-0.0232	0.0000	-0.0009	
Barutix 16kV	0.0117	-0.1238	-0.0244	0.0067	0.0008	0.0867	-0.1300	-0.0172	0.0081	-0.0005	0.0158	-0.1305	-0.0111	0.0070	-0.0011	0.0182	-0.1846	-0.0167	0.0029	-0.0004	0.0385	-0.2336	-0.0129	0.0000	-0.0009
Barter 12kV	0.0453	-0.0149	-0.0212	0.0009	-0.0007	0.0336	-0.0167	-0.0216	0.0010	0.0003	0.0614	-0.0181	-0.0221	0.0007	-0.0006	0.0706	-0.0189	-0.0220							

Facility	2018					2019					2020					2021					2022				
	Se Demand (MW)	PV (MW) ^{1a}	EE (MW) ^{1b}	EV (MW) ^{1c}	LMDR (MW) ^{2d}	Se Demand (MW)	PV (MW) ^{1a}	EE (MW) ^{1b}	EV (MW) ^{1c}	LMDR (MW) ^{2d}	Se Demand (MW)	PV (MW) ^{1a}	EE (MW) ^{1b}	EV (MW) ^{1c}	LMDR (MW) ^{2d}	Se Demand (MW)	PV (MW) ^{1a}	EE (MW) ^{1b}	EV (MW) ^{1c}	LMDR (MW) ^{2d}	Se Demand (MW)	PV (MW) ^{1a}	EE (MW) ^{1b}	EV (MW) ^{1c}	LMDR (MW) ^{2d}
Bennet 12kV	0.0343	-0.0803	-0.0636	0.0046	0.0058	0.0255	-0.0832	-0.0614	0.0055	0.0005	0.0465	-0.0844	-0.0603	0.0048	-0.0024	0.0535	-0.1048	-0.0629	0.0020	-0.0013	0.1130	-0.1264	-0.0582	0.0089	-0.0004
Benny 12kV	0.0585	-0.0755	-0.1118	0.0011	0.0000	0.0434	-0.0845	-0.1147	0.0012	0.0003	0.0721	-0.0917	-0.1190	0.0008	-0.0004	0.0829	-0.0954	-0.1186	-0.0010	0.0000	0.1753	-0.1005	-0.1090	0.0016	0.0000
Benson 12kV	0.0864	-0.0565	-0.0198	0.0019	-0.0051	0.0320	-0.0546	-0.0150	0.0021	-0.0016	0.0585	-0.0515	-0.0110	0.0015	-0.0015	0.0398	-0.0679	-0.0148	-0.0002	0.0004	0.0840	-0.0832	-0.0141	0.0032	-0.0004
Bentel 4.16kV	0.0045	-0.0076	-0.0044	0.0017	0.0013	0.0034	-0.0079	-0.0031	0.0020	-0.0003	0.0062	-0.0082	-0.0020	0.0013	-0.0006	0.0071	-0.0118	-0.0030	-0.0016	0.0000	0.0150	-0.0162	-0.0029	0.0027	-0.0009
Benton 12kV	0.0454	-0.0626	-0.0410	0.0025	0.0009	0.0337	-0.0635	-0.0359	0.0029	-0.0028	0.0616	-0.0628	-0.0319	0.0020	0.0010	0.0708	-0.0803	-0.0362	-0.0002	0.0013	0.1496	-0.0983	-0.0339	0.0044	-0.0040
Bentree 4.16kV	0.0057	-0.0202	-0.0060	0.0047	0.0000	0.0042	-0.0195	-0.0035	0.0054	0.0000	0.0077	-0.0186	-0.0013	0.0037	0.0000	0.0089	-0.0258	-0.0032	-0.0086	0.0000	0.0187	-0.0324	-0.0033	0.0062	0.0000
Beone 12kV	0.0168	-0.0120	-0.0068	0.0004	0.0000	0.0125	-0.0135	-0.0067	0.0006	0.0000	0.0228	-0.0146	-0.0067	0.0008	0.0000	0.0262	-0.0152	-0.0066	0.0000	0.0553	-0.0160	-0.0065	0.0014	0.0000	
Berkeley 4.16kV	0.0032	-0.0314	-0.0098	0.0009	-0.0002	0.0024	-0.0353	-0.0081	0.0010	-0.0004	0.0044	-0.0373	-0.0068	0.0007	-0.0001	0.050	-0.0527	-0.0083	-0.0001	-0.0004	0.0106	-0.0650	-0.0077	0.0015	-0.0004
Berkshire 4.16kV	0.1704	-0.0228	-0.0057	0.0019	0.0003	0.0478	-0.0236	-0.0042	0.0023	0.0000	0.0257	-0.0227	-0.0028	0.0020	-0.0005	0.0295	-0.0300	-0.0041	0.0008	0.0624	-0.0349	-0.0039	0.0037	-0.0004	
Berlin 12kV	0.0065	-0.0591	-0.0440	0.0019	-0.0085	0.0049	-0.0607	-0.0425	0.0023	-0.0005	0.0089	-0.0590	-0.0418	0.0020	-0.0020	0.0102	-0.0676	-0.0436	0.0008	-0.0009	0.0215	-0.0718	-0.0043	0.0037	0.0000
Bermite 16kV	0.0073	-0.0799	-0.1006	0.0012	0.0054	0.0054	-0.0857	-0.1025	0.0015	-0.0006	0.0090	-0.0900	-0.1056	0.0020	-0.0083	0.0104	-0.0949	-0.1058	0.0047	0.0004	0.1888	-0.1002	-0.0977	0.0034	0.0000
Bermuda 12kV	0.0040	-0.0321	-0.0329	0.0031	0.0045	0.0030	-0.0333	-0.0308	0.0038	0.0003	0.0054	-0.0339	-0.0294	0.0033	-0.0021	0.0062	-0.0407	-0.0314	0.0013	-0.0004	0.0131	-0.0474	-0.0292	0.0060	-0.0004
Bernard 4.16kV	0.0076	-0.0147	-0.0056	0.0009	0.0000	0.0147	-0.0033	0.0011	0.0000	0.0103	0.0143	-0.0014	0.0008	0.0000	0.0202	-0.0031	-0.0007	0.0000	0.0000	0.0263	-0.0031	0.0014	0.0060	0.0000	
Bernice 12kV	0.0059	-0.0358	-0.0589	0.0019	0.0044	0.0044	-0.0400	-0.0602	0.0024	-0.0009	0.0060	-0.0590	-0.0418	0.0020	-0.0020	0.0102	-0.0676	-0.0436	0.0008	-0.0009	0.0215	-0.0718	-0.0043	0.0037	0.0000
Bertie 12kV	0.0051	-0.0201	-0.0041	0.0012	0.0025	0.0009	-0.0179	-0.0041	0.0000	0.0000	0.0051	-0.0179	-0.0041	0.0000	-0.0001	0.0051	-0.0201	-0.0041	0.0000	0.0000	0.0151	-0.0201	-0.0041	0.0037	0.0000
Bertie 16kV	0.0059	-0.0748	-0.0561	0.0003	-0.0053	0.0044	-0.0751	-0.0213	0.0090	-0.0095	0.0060	-0.0733	-0.0171	0.0064	-0.0023	0.0093	-0.0211	-0.0007	0.0018	0.0195	-0.1262	-0.0200	0.0139	-0.0003	
Berry 4.16kV	0.0059	-0.0210	-0.0154	0.0045	0.0000	0.0044	-0.0234	0.0032	0.0055	0.0000	0.0080	-0.0241	-0.0014	0.0041	0.0000	0.0090	-0.0340	-0.0030	0.0034	0.0000	0.0194	-0.0416	-0.0300	0.0073	0.0000
Bessmer 12kV	0.0000	-0.016	-0.002	0.0001	0.0000	0.0000	-0.0018	-0.0001	0.0001	0.0000	0.0000	-0.0019	-0.0000	0.0001	0.0000	0.0000	-0.0027	-0.0001	0.0001	0.0000	0.0036	-0.0001	0.0001	0.0000	0.0000
Beta 12kV	0.0045	-0.0893	-0.0420	0.0030	0.0004	0.0034	-0.0919	-0.0354	0.0037	-0.0017	0.0061	-0.0929	-0.0301	0.0023	-0.0023	0.0071	-0.1277	-0.0355	0.0013	-0.0009	0.1651	-0.0335	-0.0059	0.0037	-0.0013
Bexley 4.16kV	0.0000	-0.0141	-0.0056	0.0009	0.0000	0.0146	-0.0036	0.0010	0.0010	-0.0014	0.0000	-0.0151	-0.0018	0.0007	0.0001	0.0000	-0.0223	-0.0034	0.0001	-0.0013	0.0000	-0.0309	0.0033	0.0015	0.0000
Bianca 12kV	0.0182	-0.0697	-0.0192	0.0067	0.0003	0.0135	-0.0680	-0.0129	0.0076	0.0002	0.0246	-0.0645	-0.0075	0.0053	-0.0014	0.0283	-0.0876	-0.0124	-0.0006	-0.0027	0.0598	-0.1098	-0.0211	0.0116	-0.0009
Bidder 16kV	0.0108	-0.0204	-0.0111	0.0047	0.0000	0.0080	-0.0204	-0.0008	0.0057	0.0014	0.0147	-0.0204	-0.0006	0.0043	0.0000	0.0169	-0.0205	-0.0008	0.0035	0.0000	-0.0204	0.0076	0.0000	0.0000	
Bigwell 4.16kV	0.0000	-0.0129	-0.0044	0.0029	0.0000	0.0134	-0.0034	-0.0002	0.0000	-0.0135	0.0021	-0.0001	0.0000	0.0000	0.0000	-0.0193	-0.0033	-0.0027	0.0004	0.0000	-0.0257	-0.0032	0.0044	-0.0004	
Big Cone 12kV	0.0714	-0.0642	-0.0228	0.0132	0.0007	0.0530	-0.0616	-0.0168	0.0149	-0.0012	0.0058	-0.0557	-0.0117	0.0105	-0.0007	0.1112	-0.0673	-0.0163	-0.0012	0.0004	0.2351	-0.0735	-0.0158	0.0230	-0.0018
Big Falls 2.4kV	0.0000	-0.0018	-0.0031	0.0004	0.0000	0.0008	-0.0020	-0.0030	0.0004	0.0001	0.0000	-0.0022	-0.0029	0.0003	0.0000	0.0017	-0.0023	-0.0009	0.0000	0.0000	-0.0025	-0.0052	0.0006	0.0000	
Big Pines 12kV	0.0108	-0.1519	-0.0235	0.0008	0.0000	0.0080	-0.1586	-0.0145	0.0010	0.0000	0.0146	-0.1579	-0.0067	0.0007	0.0000	0.0168	-0.2166	-0.0135	-0.0006	0.0000	0.0355	-0.2645	-0.0135	0.0133	0.0000
Big Rigg 12kV	0.0040	-0.0723	-0.0398	0.0025	0.0058	0.0030	-0.0736	-0.0350	0.0029	0.0000	0.0246	-0.0733	-0.0311	0.0020	-0.0008	0.0685	-0.0885	-0.0342	-0.0002	0.0132	-0.1035	-0.0329	0.0044	-0.0018	
Big Rock 16kV	0.0259	-0.1010	-0.0285	0.0162	0.0006	0.0192	-0.0694	-0.0199	0.0183	-0.0033	0.0351	-0.0894	-0.0127	0.0118	-0.0033	0.0404	-0.1168	-0.0192	-0.0152	-0.0022	0.0853	-0.1424	-0.0187	0.0247	0.0000
Bigelow 12kV	0.0042	-0.0687	-0.0212	0.0030	0.0000	0.0165	-0.0656	-0.0256	0.0014	-0.0008	0.0108	-0.0680	-0.0264	0.0000	0.0060	0.0187	-0.0263	-0.0015	0.0000	0.0127	-0.0243	0.0069	0.0000	0.0000	
Billing 12kV	0.0080	-0.0148	-0.0376	0.0016	0.0000	0.0165	-0.0036	-0.0001	0.0000	-0.0005	0.0237	-0.0036	-0.0001	0.0000	0.0000	-0.0145	-0.0039	-0.0015	0.0000	0.0000	-0.0005	-0.0052	0.0006	0.0000	
Billy Creek 4.16kV	0.0003	-0.0083	-0.0083	0.0000	0.0000	0.0000	-0.0083	-0.0083	0.0000	0.0000	0.0000	-0.0083	-0.0083	0.0000	0.0000	0.0000	-0.0083	-0.0083	0.0000	0.0000	0.0000	-0.0003	0.0000	0.0000	
Binton 16kV	0.0088	-0.0083	-0.0083	0.0000	0.0000	0.0000	-0.0083	-0.0083	0.0000	0.0000	0.0000	-0.0083	-0.0083	0.0000	0.0000	0.0000	-0.0083	-0.0083	0.0000	0.0000	0.0000	-0.0003	0.0000	0.0000	
Bjorn 12kV	0.0043	-0.1324	-0.0460	0.0051	-0.0033	0.0329	-0.1333	-0.0392	0.0060	-0.0008	0.0650	-0.1128	-0.0335	0.0041	-0.0010	0.0690	-0.1340	-0.0385	0.0005	-0.0009	0.1458	-0.1697	-0.0200	0.0233	-0.0003
Bjorgo 12kV	0.0199	-0.0141	-0.0399	0.0005	0.0000	0.0140	-0.0377	-0.0085	0.0009	0.0000	0.0270	-0.0405	-0.0026	0.0010	-0.0009	0.0442	-0.0290	0.0002	0.0000	0.0239	-0.0300	0.0053	0.0011	0.0000	
Bjornes 12kV	0.0328	-0.0895	-0.0273	0.0086	0.0019	0.0176	-0.0849	-0.0219	0.0097	-0.0036	0.0222	-0.0846	-0.0175	0.0063	-0.0005	0.0370	-0.1372	-0.0218	0.0081	-0.0040	0.0782	-0.1526	-0.0207	0.0132	-0.0032
Bjola 12kV	0.0045	-0.0591	-0.0																						

Facility	2018					2019					2020					2021					2022					
	EE Demand (MW)	PV (MW) ^{1a}	EE (MW) ^{1b}	EV (MW) ^{1b}	LMDR (MW) ^{1b}	EE Demand (MW)	PV (MW) ^{1b}	EE (MW) ^{1b}	EV (MW) ^{1b}	LMDR (MW) ^{1b}	EE Demand (MW)	PV (MW) ^{2b}	EE (MW) ^{2b}	EV (MW) ^{2b}	LMDR (MW) ^{2b}	EE Demand (MW)	PV (MW) ^{2b}	EE (MW) ^{2b}	EV (MW) ^{2b}	LMDR (MW) ^{2b}	EE (MW) ^{1b}	PV (MW) ^{1b}	EE (MW) ^{1b}	EV (MW) ^{1b}	LMDR (MW) ^{1b}	
Blueberry 12kV	0.0270	-0.1259	-0.0449	0.0025	0.0097	0.0200	-0.1301	-0.0418	0.0030	0.0366	-0.1276	-0.0397	0.0026	-0.0012	0.0420	-0.1648	-0.0426	0.0011	0.013	0.0889	-0.1933	-0.0396	0.0048	-0.0022		
Bluefield 12kV	0.0180	-0.0294	-0.0414	0.0009	0.0002	0.0134	-0.0329	-0.0418	0.0011	0.0244	-0.0357	-0.0427	0.0014	0.0003	0.0281	-0.0371	-0.0423	0.0034	0.0000	0.0593	-0.0391	-0.0395	0.0025	0.0000		
Blugill 16kV	0.0146	-0.0900	-0.0750	0.0049	0.0068	0.0108	-0.1037	-0.0706	0.0062	0.0014	0.0198	-0.1149	-0.0677	0.0073	-0.0031	0.0228	-0.1570	-0.0715	0.0015	0.0009	0.0481	-0.2037	-0.0668	0.0098	-0.0013	
Bluemoon 12kV	0.0594	-0.0448	-0.0225	0.0055	0.0010	0.0441	-0.0483	-0.0177	0.0062	0.0805	-0.0465	-0.0136	0.0041	0.0002	0.0925	-0.0610	-0.0175	-0.0052	-0.0018	0.1955	-0.0749	-0.0166	0.0085	-0.0031		
Boa 16kV	0.0015	-0.1036	-0.0328	0.0016	-0.0228	0.0011	-0.0976	-0.0288	0.0020	-0.0010	0.0202	-0.0867	-0.0255	0.0024	-0.0008	0.0223	-0.0998	-0.0287	0.0005	0.0013	0.0048	-0.1051	-0.0271	0.0032	-0.0022	
Boat 33kV	0.0000	0.0000	0.0000	0.0003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		
Bober 12kV	0.0084	-0.0806	-0.0259	0.0008	0.0039	0.0084	-0.0813	-0.0214	0.0010	-0.0028	0.0084	-0.0791	-0.0178	0.0009	-0.0005	0.0084	-0.1055	-0.0214	0.0004	0.0013	0.0084	-0.1284	-0.0202	0.0016	-0.0027	
Bobbi 12kV	0.3212	-0.1390	-0.0270	0.0047	0.0001	0.8301	-0.1285	-0.0214	0.0053	-0.0012	0.7658	-0.1130	-0.0167	0.0037	-0.0014	0.7841	-0.1384	-0.0212	-0.0004	-0.0013	0.4255	-0.1536	-0.0202	0.0082	-0.0018	
Bobby 12kV	0.0557	-0.0629	-0.0211	0.0107	0.0001	0.0413	-0.0612	-0.0143	0.0121	-0.0004	0.0754	-0.0585	-0.0084	0.0078	-0.0014	0.0867	-0.0785	-0.0137	-0.0101	-0.0009	0.1833	-0.0976	-0.0134	0.0164	-0.0035	
Bobcat 12kV	0.3215	-0.0958	-0.0033	0.0000	0.0705	-0.0065	-0.0032	0.0000	0.0644	-0.0070	-0.0032	0.0000	0.0673	-0.0073	-0.0032	0.0001	0.0000	0.1422	-0.0076	-0.0032	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Boleds 12kV	0.0167	-0.0281	-0.0213	0.0015	0.0000	0.0124	-0.0314	-0.0172	0.0017	0.0000	0.0227	-0.0342	-0.0138	0.0011	0.0000	0.0261	-0.0446	-0.0171	-0.0022	0.0000	0.0551	-0.0557	-0.0162	0.0020	0.0000	
Bookin 12kV	0.0384	-0.0468	0.0000	0.0010	0.0000	0.0285	-0.0375	0.0000	0.0019	0.0000	0.0520	-0.0286	0.0000	0.0031	0.0000	0.0598	-0.0303	0.0000	0.0017	0.0000	0.1263	-0.0293	0.0000	0.0026	0.0000	
Boeing 16kV	2.9651	-0.0853	-0.0354	0.0110	0.0000	0.0155	-0.0996	-0.0314	0.0125	0.0000	0.0284	-0.1127	-0.0284	0.0087	0.0000	0.1540	-0.1518	-0.0318	-0.0202	0.0000	0.3297	-0.2225	-0.0298	0.0145	0.0060	
Bogart 16kV	0.0872	-0.0992	-0.0743	0.0034	0.0084	0.0647	-0.1039	-0.0723	0.0044	-0.0024	0.1182	-0.1031	-0.0716	0.0052	-0.0006	0.1358	-0.1214	-0.0742	0.0010	-0.0013	0.2871	-0.1324	-0.0669	-0.0069	0.0000	
Bogey 12kV	0.0001	-0.0251	-0.0201	0.0000	0.0000	0.0124	-0.0291	-0.0190	0.0000	0.0000	0.0140	-0.0301	-0.0189	0.0000	0.0000	0.0203	-0.0251	-0.0179	-0.0021	0.0000	0.0571	-0.0251	-0.0071	0.0000	0.0000	
Bohemian 12kV	0.0594	-0.0689	-0.0153	0.0052	0.0000	0.0844	-0.0702	-0.0098	0.0066	0.0169	-0.0442	-0.0035	0.0045	-0.0019	0.0850	-0.0663	-0.0083	-0.0056	0.0000	0.3010	-0.0705	-0.0084	0.0068	-0.0094		
Boho 12kV	0.0131	-0.0701	-0.0391	0.0037	0.0000	0.0307	-0.0714	-0.0243	0.0042	0.0000	0.0177	-0.0699	-0.0204	0.0028	0.0000	0.0204	-0.0879	-0.0242	-0.0056	0.0000	0.0430	-0.1038	-0.0230	0.0052	0.0000	
Boilano 4 16kV	0.0040	-0.0509	-0.0102	0.0017	0.0000	0.0029	-0.0591	-0.0066	0.0021	0.0000	0.0054	-0.0641	-0.0034	0.0015	0.0000	0.0961	-0.0624	-0.0013	0.0000	0.0130	0.1253	-0.0061	0.0027	0.0000		
Bolivia 12kV	0.0062	-0.1393	-0.0215	0.0005	-0.0057	0.0046	-0.1055	-0.0219	0.0006	-0.0001	0.0084	-0.1668	-0.0225	0.0008	-0.0001	0.0966	-0.1777	-0.0225	0.0018	0.0000	0.0204	-0.0188	-0.0208	0.0013	0.0000	
Boltero 12kV	0.1619	-0.1418	-0.0235	0.0025	0.0007	0.1201	-0.1294	-0.0169	0.0303	-0.0225	0.0638	-0.1124	-0.0112	0.0206	-0.0018	0.0734	-0.1377	-0.0164	0.0011	-0.0009	0.1551	-0.1535	-0.0158	0.0048	-0.0031	
Bolor 12kV	0.0227	-0.0640	-0.0834	0.0012	0.0034	0.0140	-0.0679	-0.0842	0.0014	-0.0017	0.0256	-0.0704	-0.0012	0.0001	0.0000	0.0295	-0.0772	-0.0869	0.0005	0.0013	0.0623	-0.0841	-0.0222	0.0013	-0.0013	
Boltoro 16kV	0.0359	-0.0372	-0.0304	0.0006	0.0036	0.0267	-0.0438	-0.0247	0.0007	0.0002	0.0487	-0.0418	-0.0199	0.0010	0.0000	0.0560	-0.0581	-0.0244	0.0023	0.0004	0.1183	-0.0786	-0.0232	0.0017	-0.0013	
Bombardier 12kV	1.1066	-0.0131	-0.0141	0.0022	0.0012	0.0123	-0.0128	-0.0118	0.0025	-0.0012	0.0126	-0.0117	-0.0022	0.0000	0.0018	-0.0259	-0.0134	-0.0117	-0.0022	0.0018	0.0547	-0.0140	-0.0112	0.0038	0.0000	
Bombay 12kV	0.1619	-0.0243	-0.0411	0.0007	-0.0047	0.0031	-0.0271	-0.0420	0.0009	0.0056	-0.0293	-0.0435	0.0010	-0.0002	0.0065	-0.0305	-0.0434	0.0002	0.0000	0.0137	-0.0322	-0.0400	0.0014	0.0000		
Bonanza 12kV	0.0108	-0.0065	-0.0150	0.0036	0.0024	0.0080	-0.0073	-0.0125	0.0041	0.0025	0.0146	-0.0079	-0.0105	0.0026	0.0000	0.0168	-0.0082	-0.0125	-0.0034	0.0000	0.0355	-0.0087	-0.0118	0.0055	0.0000	
Bond 12kV	0.0216	-0.0054	-0.0070	0.0002	0.0000	0.0160	-0.0060	-0.0071	0.0003	0.0000	0.0293	-0.0065	-0.0072	0.0004	0.0000	0.0336	-0.0068	-0.0073	0.0002	0.0000	0.0711	-0.0072	-0.0067	0.0005	0.0000	
Bonita 12kV	0.9600	-0.0567	-0.0575	0.0043	0.0120	0.0432	-0.0608	-0.0567	0.0048	-0.0020	0.0865	-0.0637	-0.0569	0.0034	0.0000	0.0763	-0.0583	-0.0004	0.0000	0.0205	0.2053	-0.0509	-0.0538	0.0075	0.0000	
Bonnell 4 16kV	0.0000	0.0000	0.0000	0.0029	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		
Bonerville 12kV	0.0540	-0.0701	-0.0214	0.0000	0.0000	0.0169	-0.0720	-0.0222	0.0000	0.0000	0.0209	-0.0717	-0.0227	0.0000	0.0000	0.0217	-0.0166	-0.0056	0.0000	0.0000	0.0355	-0.0178	-0.0067	0.0027	0.0000	
Borcher 12kV	0.0002	-0.0043	-0.0063	0.0015	0.0000	0.0042	-0.0070	-0.0052	0.0003	-0.0001	0.0051	-0.0052	-0.0003	0.0000	0.0000	0.0166	-0.0056	-0.0052	0.0000	0.0000	0.0355	-0.0141	-0.0041	0.0000	0.0000	
Borchard 16kV	1.3893	-0.0948	-0.0456	0.0118	0.0038	0.0586	-0.0948	-0.0456	0.0133	-0.0002	0.1088	-0.0912	-0.0408	0.0068	-0.0025	0.1255	-0.1093	-0.0441	-0.0099	0.0365	-0.1248	-0.0405	0.0180	-0.0031		
Borsen 12kV	0.0056	-0.0619	-0.0369	0.0078	0.0010	0.0000	-0.0625	-0.0305	0.0089	-0.0007	0.0216	-0.0615	-0.0262	0.0001	-0.0001	0.0708	-0.0620	-0.0267	0.0000	0.0000	0.0870	-0.0307	-0.0037	0.0037	0.0000	
Borsdorff 12kV	0.0094	-0.0747	-0.0150	0.0048	0.0005	0.0700	-0.0438	-0.0155	0.0054	-0.0027	0.0128	-0.0994	-0.0066	0.0035	-0.0003	0.0147	-0.0491	-0.0113	-0.0045	0.0099	0.0311	-0.0569	-0.0109	0.0073	-0.0009	
Borden 4 16kV	0.0063	-0.1400	-0.0622	0.0040	0.0047	0.0146	-0.0038	0.0045	0.0000	0.0086	-0.0146	-0.0056	0.0001	0.0000	0.0215	-0.0036	0.0000	0.0208	0.0000	0.0281	-0.0036	0.0000	0.0052	0.0000		
Borden 12kV	0.0594	-0.0713	-0.0469	0.0041	0.0053	0.0441	-0.0724	-0.0440	0.0046	-0.0010	0.0805	-0.0717	-0.0421	0.0033	-0.0014	0.0925	-0.0885	-0.0449	-0.0004	0.0000	0.1955	-				

Facility	2018				2019				2020				2021				2022								
	ee Demand (MW)	PV (MW) ^{1a}	EE (MW) ^{1b}	EV (MW) ^{1c}	LMDR (MW) ^{1d}	ee Demand (MW)	PV (MW) ^{1e}	EE (MW) ^{1f}	EV (MW) ^{1g}	LMDR (MW) ^{1h}	ee Demand (MW)	PV (MW) ¹ⁱ	EE (MW) ^{1j}	EV (MW) ^{1k}	LMDR (MW) ^{1l}	ee Demand (MW)	PV (MW) ^{1m}	EE (MW) ¹ⁿ	EV (MW) ^{1o}	LMDR (MW) ^{1p}					
Bretting 12kV	0.0087	-0.0755	-0.0232	0.0131	0.0000	0.0065	-0.0725	-0.0167	0.0147	0.0000	0.0119	-0.0677	-0.0113	0.0097	0.0136	-0.0883	-0.0163	-0.0194	0.0000	0.0288	-0.1067	-0.0157	0.0182	0.0000	
Brewer 12kV	0.0096	-0.0397	-0.0649	0.0003	0.0000	0.6408	-0.0444	-0.0665	0.0003	0.0000	0.7313	-0.0482	-0.0690	0.0004	0.8409	-0.0501	-0.0688	0.0007	0.0000	0.6522	-0.0528	-0.0633	0.0007	0.0000	
Brickyard 16kV	0.0493	-0.0713	-0.0642	0.0005	0.0074	0.0366	-0.0842	-0.0601	0.0006	-0.0045	0.0668	-0.0955	-0.0573	0.0008	-0.0017	0.0768	-0.1320	-0.0609	0.0018	-0.0009	0.1623	-0.1751	-0.0569	0.0013	-0.0009
Bride 12kV	0.1403	-0.0169	-0.0196	0.0006	0.0000	0.0062	-0.0183	-0.0194	0.0007	0.0000	0.0113	-0.0194	-0.0195	0.0010	0.0000	0.0130	-0.0218	-0.0197	0.0017	0.0000	0.0275	-0.0245	-0.0184	0.0016	0.0000
Brine 12kV	0.0217	-0.0361	-0.0351	0.0045	0.0010	0.0120	-0.0390	-0.0330	0.0051	0.0006	0.0218	-0.0411	-0.0316	0.0033	-0.0018	0.0251	-0.0510	-0.0337	-0.0042	0.0000	0.0530	-0.0627	-0.0312	0.0069	-0.0004
Brink 12kV	0.0171	-0.0047	-0.0025	0.0021	0.0000	0.0127	-0.0052	-0.0024	0.0006	0.0000	0.0232	-0.0057	-0.0024	0.0056	0.0000	0.0267	-0.0059	-0.0024	0.0198	0.0000	0.0564	-0.0062	-0.0023	0.0098	0.0000
Brittan 12kV	0.0051	-0.0307	-0.0130	0.0009	0.0021	0.0038	-0.0356	-0.0118	0.0011	0.0007	0.0069	-0.0390	-0.0109	0.0007	-0.0005	0.0080	-0.0556	-0.0120	-0.0009	0.0169	-0.0715	-0.0112	0.0014	-0.0004	
Brittle Bush 12kV	0.0177	-0.0946	-0.0155	0.0008	0.0007	0.0132	-0.0809	-0.0108	0.0009	0.0014	0.0240	-0.0661	-0.0068	0.0006	-0.0017	0.0276	-0.0742	-0.0104	-0.0001	-0.0009	0.0584	-0.0737	-0.0101	0.0014	-0.0022
Broadcast 33kV	0.0000	-0.0004	-0.0005	0.0070	0.0003	0.0000	-0.0005	-0.0005	0.0079	0.0000	0.0000	-0.0005	-0.0005	0.0051	0.0001	0.0000	-0.0006	-0.0005	-0.0006	0.0005	0.0108	0.0000	0.0000	0.0000	
Bronco 12kV	0.0424	-0.0560	-0.0433	0.0020	-0.0019	0.0315	-0.0595	-0.0384	0.0024	-0.0016	0.0574	-0.0624	-0.0346	0.0021	-0.0013	0.0660	-0.0836	-0.0388	0.0009	-0.0013	0.1396	-0.1089	0.0364	0.0039	-0.0018
Brookline 16kV	0.0398	-0.0729	-0.0786	0.0012	0.0177	0.0296	-0.0835	-0.0769	0.0015	-0.0023	0.0540	-0.0924	-0.0763	0.0018	-0.0010	0.0621	-0.1107	-0.0775	0.0004	0.0013	0.1312	-0.1320	-0.0727	0.0024	-0.0004
Brooklyn 4.16kV	0.0000	-0.0286	-0.0091	0.0012	0.0000	0.0000	-0.0345	-0.0069	0.0013	0.0000	0.0000	-0.0396	-0.0050	0.0009	0.0000	0.0000	-0.0616	-0.0068	-0.0017	0.0000	0.0000	-0.0856	-0.0065	0.0016	0.0000
Brooks 4.16kV	0.0027	-0.0200	-0.0060	0.0018	0.0000	0.0020	-0.0235	-0.0039	0.0022	0.0000	0.0037	-0.0260	-0.0022	0.0017	0.0004	0.0042	-0.0394	-0.0031	-0.0014	0.0000	0.0089	-0.0037	0.0030	0.0000	
Brookside 4.16kV	0.0006	-0.0173	-0.0038	0.0026	-0.0004	0.0005	-0.0161	-0.0022	0.0009	0.0008	-0.0144	-0.0007	0.0019	0.0000	0.0010	-0.0188	-0.0020	-0.0024	0.0000	0.0040	-0.0227	-0.0020	0.0000		
Broadmoor 12kV	0.0000	-0.0001	-0.0001	0.0001	0.0000	0.0000	-0.0001	-0.0001	0.0000	0.0000	0.0000	-0.0001	-0.0001	0.0000	0.0000	0.0000	-0.0001	-0.0001	0.0000	0.0000	0.0000	0.0000	0.0000		
Brownside 12kV	0.0471	-0.0676	-0.0636	0.0037	0.0048	0.0350	-0.0692	-0.0289	0.0042	-0.0011	0.0538	-0.0853	-0.0242	0.0028	-0.0024	0.0734	-0.0890	-0.0274	-0.0003	-0.0035	0.1551	-0.1094	0.0263	0.0064	-0.0009
Brownwood 12kV	0.0114	-0.0007	-0.0007	0.0000	0.0000	0.0084	-0.0008	-0.0007	0.0000	0.0000	0.0154	-0.0008	-0.0007	0.0000	0.0000	0.0177	-0.0009	0.0007	0.0000	0.0000	0.0374	-0.0010	0.0007	0.0000	
Bruce Park 4.8kV	0.0000	-0.0221	-0.0053	0.0001	-0.0004	0.0000	-0.0194	-0.0039	0.0001	-0.0029	0.0000	-0.0158	-0.0026	0.0001	0.0003	0.0000	-0.0178	-0.0038	0.0000	-0.0179	0.0036	0.0001	0.0000		
Bruce 12kV	0.0581	-0.1187	-0.0225	0.0020	0.0000	0.0431	-0.1073	-0.0157	0.0023	0.0000	0.0767	-0.0913	-0.0099	0.0015	0.0000	0.0905	-0.1072	-0.0152	-0.0030	0.0000	0.1913	-0.1129	0.0147	0.0028	
Brynnfield 12kV	0.0111	-0.0860	-0.0818	0.0033	0.0000	0.0082	-0.0833	-0.0047	0.0037	-0.0022	0.0150	-0.0785	-0.0017	0.0024	-0.0009	0.0173	-0.1082	-0.0043	-0.0009	0.0365	-0.1367	-0.0043	0.0050	0.0000	
Brunner 4.16kV	0.0028	-0.0188	-0.0060	0.0043	0.0000	0.0021	-0.0225	-0.0035	0.0053	0.0000	0.0339	-0.0256	-0.0014	0.0039	0.0000	0.0409	-0.1033	-0.0032	-0.0000	0.0094	-0.0574	0.0003	0.0070	0.0000	
Bruno 12kV	0.0182	-0.1250	-0.0160	0.0065	-0.0004	0.0135	-0.1238	-0.0099	0.0073	-0.0008	0.0246	-0.1170	-0.0046	0.0052	-0.0021	0.0283	-0.1556	-0.0092	-0.0006	0.0222	0.0598	-0.1872	-0.0092	0.0113	-0.0027
Brette 12kV	0.0290	-0.0593	-0.0537	0.0024	0.0071	0.0215	-0.0616	-0.0054	0.0027	0.0000	0.0392	-0.0624	-0.0019	0.0019	0.0000	0.0451	-0.1075	-0.0515	-0.0002	0.0218	0.0594	-0.0896	0.0442	-0.0013	
Bryant 16kV	0.0219	-0.0191	-0.0322	0.0008	0.0000	0.0163	-0.0214	-0.0330	0.0010	0.0000	0.0297	-0.0323	-0.0041	0.0014	0.0000	0.0341	-0.1244	-0.0340	0.0024	0.0000	0.0721	-0.260	-0.0313	0.0022	-0.0022
Bryce 16kV	0.0313	-0.0879	-0.0697	0.0017	0.0113	0.0232	-0.1031	-0.0641	0.0222	0.0000	0.0424	-0.1155	-0.0601	0.0206	-0.0018	0.0488	-0.1633	-0.0651	0.0005	-0.018	0.1031	-0.2138	-0.0607	0.035	-0.0009
Brydon 12kV	0.0531	-0.0557	-0.0183	0.0059	0.0003	0.0432	-0.0559	-0.0142	0.0067	-0.0003	0.0865	-0.0547	-0.0107	0.0048	-0.0016	0.0973	-0.0733	-0.0139	-0.0005	0.013	0.2053	-0.0924	-0.0134	0.0104	-0.0009
Bryn Mawr 12kV	0.0175	-0.0476	-0.0185	0.0056	0.0026	0.0130	-0.0451	-0.0139	0.0064	0.0000	0.0238	-0.0416	-0.0046	0.0045	-0.0004	0.0273	-0.0527	-0.0136	-0.0005	0.0577	-0.0625	-0.0131	0.0098	-0.0040	
Buck 12kV	0.0180	-0.0310	-0.0495	0.0007	0.0000	0.0134	-0.0347	-0.0506	0.0009	0.0000	0.0244	-0.0377	-0.0052	0.0013	0.0000	0.0281	-0.0392	-0.0159	0.0006	0.0593	-0.0413	-0.0480	0.0116	0.0000	
Buckaroo 16kV	0.0687	-0.0640	-0.0501	0.0039	0.0047	0.0510	-0.0680	-0.0465	0.0047	0.0008	0.0931	-0.0709	-0.0439	0.0010	0.0001	0.1070	-0.0883	-0.0473	0.0017	-0.013	0.2262	-0.1084	-0.0442	0.0076	-0.0018
Buckboard 12kV	0.0186	-0.0106	-0.0272	0.0057	0.0000	0.0132	-0.0297	-0.0129	0.0070	0.0000	0.0242	-0.0827	-0.0174	0.0052	0.0000	0.0278	-0.0936	-0.0210	-0.0043	0.0000	0.0587	-0.0205	0.0093	0.0000	
Buckhorn 16kV	0.0041	-0.1290	-0.0380	0.0042	0.0000	0.0219	-0.1536	-0.0161	0.0032	-0.0003	0.0106	-0.1387	-0.0099	0.0021	-0.0002	0.0240	-0.1730	-0.0154	-0.0027	0.0053	0.0507	-0.0507	-0.0151	0.0043	-0.0044
Buckner 12kV	0.0750	-0.0800	-0.0290	0.0014	0.0000	0.5000	-0.0734	-0.0251	0.0015	0.0000	0.5000	-0.0662	-0.0218	0.0010	0.0000	0.5000	-0.0706	-0.0239	-0.0020	0.0000	0.1518	-0.0719	-0.0235	0.0019	0.0000
Burris 12kV	0.0338	-0.0666	-0.0342	0.0003	0.0000	0.0251	-0.0683	-0.0319	0.0003	0.0000	0.0458	-0.0669	-0.0301	0.0005	0.0000	0.0526	-0.0756	-0.0310	0.0007	0.0000	0.0305	-0.0317	-0.0027	0.0000	
Burrito 12kV	0.0325	-0.0620	-0.0329	0.0008	0.0006	0.0241	-0.0613	-0.0306	0.0009	0.0000	0.0441	-0.0598	-0.0328	0.0000	0.0000	0.0441	-0.0728	-0.0312	-0.0002	0.0004	0.1200	-0.0922	-0.0118	0.0149	-0.0004
Burns 12kV	0.0000	-0.0001	-0.0001	0.0000	0.0000	0.0000	-0.0001	-0.0001	0.0000	0.0000	0.0000	-0.0001	-0.0001	0.0000	0.0000	0.0000	-0.0001	-0.0001	0.0000	0.0000	0.0000	0.0000	0.0000		
Burnside 12kV	0.0280	-0.0524	-0.0185	0.0017	0.0000	0.0322	-0.0535	-0.0126	0.0019	0.0003	0.0588	-0.0530	-0.0075	0.0013	0.0000	0.0677	-0.0657	-0.0120	-0.0002	0.0018	0.1430	-0.0922	-0.0118	0.0004	-0.0004
Burke 14.16kV	0.0051	-0.																							

Facility	2018				2019				2020				2021				2022									
	EE Demand (MW)	PV (MW) ^{1a}	EE (MW) ^{1b}	EV (MW) ^{1b}	LMDR (MW) ^{1b}	EE Demand (MW)	PV (MW) ^{1b}	EE (MW) ^{1b}	EV (MW) ^{1b}	LMDR (MW) ^{1b}	EE Demand (MW)	PV (MW) ^{2b}	EE (MW) ^{2b}	EV (MW) ^{2b}	LMDR (MW) ^{2b}	EE Demand (MW)	PV (MW) ^{2b}	EE (MW) ^{2b}	EV (MW) ^{2b}	LMDR (MW) ^{2b}						
Cadence 16kV	0.2244	-0.0526	-0.0296	0.0031	0.0120	0.0181	-0.0530	-0.0280	0.0037	-0.0020	0.0330	-0.0511	-0.0270	0.0032	-0.0005	0.0380	-0.0618	-0.0286	0.0013	0.0803	-0.0699	-0.0265	0.0060	0.0000		
Cadillac 12kV	0.0424	-0.0328	-0.0417	0.0016	0.0074	0.0315	-0.0362	-0.0415	0.0020	0.0002	0.0574	-0.0389	-0.0418	0.0027	-0.0011	0.0660	-0.0423	-0.0419	0.0064	0.0000	0.1396	-0.0464	-0.0392	0.0047	0.0000	
Cadiz 4.16kV	0.0008	-0.0179	-0.0044	0.0028	0.0005	0.0006	-0.0212	-0.0032	0.0032	0.0002	0.0010	-0.0235	-0.0022	0.0021	-0.0002	0.0012	-0.0359	-0.0031	-0.0027	0.0000	0.0025	-0.0481	-0.0030	0.0043	-0.0004	
Cadiz 12kV	0.0126	-0.0333	-0.0218	0.0025	0.0000	0.0094	-0.0359	-0.0205	0.0028	0.0000	0.0171	-0.0375	-0.0196	0.0019	0.0000	0.0123	-0.0453	-0.0209	0.0000	0.0259	-0.0541	-0.0194	0.0033	0.0000		
Cadway 16kV	0.0098	-0.1188	-0.0429	0.0011	0.0082	0.0073	-0.1404	-0.0357	0.0014	-0.0006	0.0133	-0.1580	-0.0297	0.0017	-0.0029	0.0153	-0.2366	-0.0352	0.0003	-0.013	0.0324	-0.3173	-0.0337	0.0023	-0.0031	
Caesar 16kV	0.0341	-0.1094	-0.0206	0.0068	0.0010	0.0253	-0.0902	-0.0140	0.0077	-0.0010	0.0462	-0.0715	-0.0083	0.0050	0.0000	0.0531	-0.0804	-0.0134	-0.0064	-0.0035	0.1123	-0.0827	-0.0131	0.0104	-0.0022	
Cafe 12kV	0.0071	-0.0698	-0.0256	0.0030	-0.0017	0.0053	-0.0630	-0.0169	0.0034	-0.0037	0.0096	-0.0548	-0.0094	0.0022	-0.0011	0.0105	-0.0685	-0.0161	-0.0028	-0.0031	0.0222	-0.0783	-0.0158	0.0046	-0.0031	
Cagli 12kV	0.0182	-0.0776	-0.0173	0.0063	-0.0008	0.0135	-0.0771	-0.0137	0.0071	0.0002	0.0246	-0.0735	-0.0107	0.0046	-0.0013	0.0283	-0.0950	-0.0059	-0.0040	0.0598	-0.1127	-0.0130	0.0096	-0.0022		
Cagney 16kV	0.0872	-0.0427	-0.0485	0.0024	0.0023	0.0647	-0.0459	-0.0487	0.0031	0.0005	0.1182	-0.0473	-0.0497	0.0037	-0.0005	0.1358	-0.0529	-0.0503	0.0007	0.0004	0.2871	-0.0569	-0.0463	0.0049	0.0000	
Calhoun 12kV	0.0087	-0.0435	-0.0330	0.0025	0.0050	0.0087	-0.0408	-0.0290	0.0028	-0.0040	0.0087	-0.0379	-0.0260	0.0020	-0.0014	0.0087	-0.0422	-0.0293	-0.0002	-0.0049	0.0087	-0.0452	-0.0275	0.0043	-0.0004	
Cain Ranch 12kV	0.0000	-0.0010	-0.0004	0.0000	0.0000	0.0000	-0.0010	-0.0004	0.0000	0.0000	0.0000	-0.0010	-0.0004	0.0000	0.0000	0.0000	-0.0010	-0.0004	0.0000	0.0000	0.0000	-0.0010	-0.0004	0.0000	0.0000	
Carins 12kV	0.5761	-0.0546	-0.0162	0.0011	0.0000	0.0342	-0.0509	-0.0140	0.0035	0.0000	0.0625	-0.0469	-0.0121	0.0026	0.0000	0.0718	-0.0497	-0.0138	0.0076	0.0000	0.1518	-0.0508	-0.0135	0.0048	0.0000	
Cajon 4.16kV	0.0006	-0.0115	-0.0032	0.0023	0.0000	0.0005	-0.0107	-0.0019	0.0026	-0.0004	0.0008	-0.0096	-0.0007	0.0017	-0.0004	0.0101	-0.0125	-0.0017	0.0020	0.0017	0.0036	-0.0017	0.0060	0.0000		
Cal Poly 12kV	0.0000	-0.0004	0.0004	0.0024	0.0000	0.0000	-0.0059	-0.0221	0.0009	0.0000	0.0000	-0.0589	-0.0201	0.0025	-0.0001	0.0000	-0.0781	-0.0218	0.0010	-0.0133	0.0000	-0.0598	-0.0208	0.0046	0.0000	
Cal Sport 12kV	0.0003	-0.0001	0.0001	0.0001	0.0000	0.0000	-0.0001	-0.0001	0.0000	0.0000	0.0000	-0.0001	-0.0001	0.0000	0.0000	0.0000	-0.0001	-0.0001	0.0000	0.0000	-0.0001	0.0000	0.0000	0.0000		
Calabash 16kV	0.0255	-0.0629	-0.0311	0.0034	0.0009	0.0169	-0.0625	-0.0134	0.0042	-0.0017	0.0046	-0.0568	-0.0068	0.0036	-0.0004	0.0398	-0.0784	-0.0120	0.0015	-0.0018	0.0041	-0.0540	-0.0040	0.0025	-0.0037	
Calabash 12kV	0.0040	-0.0244	-0.0430	0.0009	0.0024	0.0030	-0.0273	-0.0442	0.0011	0.0004	0.0054	-0.0267	-0.0458	0.0009	-0.0004	0.0063	-0.0308	-0.0451	0.0004	0.0132	-0.0203	-0.0037	0.0017	0.0000		
Calamar 12kV	0.0321	-0.0117	-0.0300	0.0008	0.0000	0.0238	-0.0108	-0.0019	0.0009	0.0000	0.0435	-0.0091	-0.0010	0.0006	0.0000	0.0104	-0.0018	-0.0014	0.0000	0.0000	0.1057	-0.0109	-0.0038	0.0010	0.0000	
Calarest 4.16kV	0.0100	-0.0073	-0.0061	0.0002	0.0035	0.0074	-0.0079	-0.0058	0.0002	-0.0005	0.0135	-0.0081	-0.0056	0.0002	-0.0002	0.0155	-0.0103	-0.0059	0.0001	0.0000	0.0238	-0.0122	-0.0055	0.0003	0.0000	
California 12kV	0.0000	-0.0001	-0.0002	0.0000	0.0000	0.0001	-0.0001	-0.0002	0.0000	0.0000	0.0000	-0.0001	-0.0001	0.0000	0.0000	0.0000	-0.0001	-0.0001	0.0000	0.0000	0.0000	-0.0001	0.0000	0.0000		
Calcium 12kV	0.0034	-0.1049	-0.0425	0.0051	0.0020	0.0025	-0.1010	-0.0352	0.0062	0.0001	0.0045	-0.0942	-0.0292	0.0022	-0.0120	0.0351	-0.1200	-0.0223	0.0023	-0.0009	0.1110	-0.1433	-0.0332	0.0099	-0.0335	
Caldwell 12kV	0.0528	-0.0704	-0.0349	0.0010	0.0012	0.0392	-0.0690	-0.0299	0.0011	0.0008	0.0715	-0.0662	-0.0258	0.0007	-0.0031	0.0822	-0.0804	-0.0295	-0.0009	0.0040	0.1737	-0.0926	-0.0281	0.0015	-0.0009	
Calgary 12kV	0.0418	-0.0940	-0.0009	0.0074	0.0000	0.0418	-0.0037	-0.0008	0.0000	0.0000	0.0418	-0.0033	-0.0007	0.0059	0.0000	0.0418	-0.0040	-0.0008	-0.0007	0.0000	0.0418	-0.0044	-0.0008	0.0129	0.0000	
Calgrove 16kV	0.0000	-0.0776	-0.0442	0.0112	0.0200	1.7300	-0.0720	-0.0381	0.0127	-0.0013	1.6500	-0.0640	-0.0332	0.0089	-0.0113	1.6800	-0.0713	-0.0383	-0.0010	0.0188	1.3600	-0.0739	-0.0360	0.0195	-0.0022	
Caliber 12kV	0.0046	-0.0878	-0.0333	0.0019	0.0000	0.0334	-0.0837	-0.0287	0.0025	0.0000	0.0776	-0.0724	-0.0248	0.0036	0.0000	0.0901	-0.0277	-0.0307	0.0000	0.0152	-0.0596	-0.0269	0.0047	0.0000		
Callico 12kV	0.0051	-0.0855	-0.0358	0.0026	0.0030	0.0038	-0.0051	-0.0310	0.0029	0.0005	0.0669	-0.1008	-0.0272	0.0021	-0.0023	0.0808	-0.1424	-0.0312	-0.0002	0.0163	-0.1838	-0.0294	0.0045	0.0000		
Caliente 12kV	0.0000	-0.1240	-0.0202	0.0011	0.0021	0.0000	-0.1234	-0.0140	0.0013	0.0017	0.0000	-0.1146	-0.0086	0.0011	-0.0027	0.0000	-0.1463	-0.0134	-0.0005	-0.0022	0.0000	-0.1652	-0.0131	-0.0018	0.0021	0.0000
California 12kV	0.3212	-0.1232	-0.0199	0.0073	0.0000	1.3913	-0.1091	-0.0124	0.0082	0.0000	0.7658	-0.0917	-0.0060	0.0054	0.0000	0.7841	-0.1100	-0.0117	-0.0108	0.0000	0.4255	-0.1192	-0.0116	0.0101	0.0000	
Calimresa 12kV	0.0104	-0.0713	-0.0412	0.0010	0.0009	0.0039	-0.0695	-0.0365	0.0007	0.0000	0.0077	-0.0695	-0.0365	0.0005	0.0000	0.0032	-0.0684	-0.0393	-0.0001	0.0000	0.0342	-0.0832	-0.0365	0.0020	0.0000	
Calland 12kV	0.0307	-0.0439	-0.0120	0.0004	0.0018	0.0228	-0.0473	-0.0083	0.0005	0.0000	0.0346	-0.0514	-0.0058	0.0009	0.0000	0.0398	-0.0554	-0.0288	-0.0014	0.0080	0.0840	-0.0563	-0.0051	0.0013	0.0000	
Calo 12kV	0.0531	-0.0931	-0.0331	0.0011	0.0007	0.0321	-0.0631	-0.0111	0.0015	0.0005	0.0655	-0.0674	-0.0049	0.0009	0.0000	0.0973	-0.0752	-0.0500	0.0004	0.0000	0.0880	-0.0494	-0.0029	0.0013	0.0000	
Calipso 12kV	0.0174	-0.1076	-0.0207	0.0108	0.0000	0.0530	-0.0996	-0.0145	0.0133	0.0007	0.0568	-0.0765	-0.0002	0.0087	0.0001	0.1113	-0.1083	-0.0140	-0.0101	0.0223	-0.2351	-0.1303	-0.0136	0.0189	-0.0013	
Calisto 12kV	0.0214	-0.0767	-0.0398	0.0014	0.0000	0.0331	-0.0404	-0.0243	0.0006	0.0000	0.0423	-0.0528	-0.0073	0.0014	0.0000	0.0495	-0.0638	-0.0284	-0.0002	0.0000	0.0530	-0.0756	-0.0255	0.0019	0.0000	
Colvo 12kV	0.0182	-0.0633	-0.0368	0.0054	0.0027	0.0135	-0.0626	-0.0237	0.0051	0.0005	0.0246	-0.0604	-0.0184	0.0043	0.0000	0.0227	-0.0790	-0.0227	-0.0005	0.0311	-0.0598	-0.0234	0.0114	-0.0018		
Colypso 12kV	0.0300	-0.0437	-0.0178	0.0016	0.0222	0.0452	-0.0131	0.0018	0.0006	0.0406	-0.0640	-0.0002	0.0012	0.0000	0.0467	-0.0659	-0.0128	-0.0001	0.0133	-0.0886	-0.0122	-0.0037	0.0138	0.0000		
Cambridge 12kV	0.0597	-0.0661	-0.0162	0.0006	0.0409	0.0640	-0.0099	-0.0007	0.0114	0.0000	0.0747	-0.0594	-0.0045	0.0006	0.0003	0.0859										

Facility	2018					2019					2020					2021					2022				
	EE Demand (MW)	PV (MW) ^{1a}	EE (MW) ^{1b}	EV (MW) ^{1c}	LMDR (MW) ^{1d}	EE Demand (MW)	PV (MW) ^{1a}	EE (MW) ^{1b}	EV (MW) ^{1c}	LMDR (MW) ^{1d}	EE Demand (MW)	PV (MW) ^{2a}	EE (MW) ^{2b}	EV (MW) ^{2c}	LMDR (MW) ^{2d}	EE Demand (MW)	PV (MW) ^{2a}	EE (MW) ^{2b}	EV (MW) ^{2c}	LMDR (MW) ^{2d}	EE Demand (MW)	PV (MW) ^{2a}	EE (MW) ^{2b}	EV (MW) ^{2c}	LMDR (MW) ^{2d}
Cariso 12kV	0.0146	-0.1044	-0.0209	0.0060	0.0001	0.0109	-0.0943	-0.0142	0.0068	-0.0014	0.0198	-0.0829	-0.0085	0.0044	-0.0023	0.0228	-0.1032	-0.0136	-0.0057	-0.0355	0.0482	-0.1192	-0.0134	0.0092	-0.0031
Carlet 12kV	0.0531	-0.0927	-0.0282	0.0084	0.0029	0.0432	-0.0957	-0.0234	0.0095	-0.0004	0.0865	-0.0942	-0.0194	0.0061	-0.0011	0.0973	-0.1246	-0.0232	-0.0079	-0.013	0.2053	-0.1500	-0.0220	0.0128	-0.0013
Carlin 4.16kV	0.0038	-0.0008	0.0000	0.0000	0.0000	0.0028	-0.0009	0.0000	0.0000	0.0000	0.0051	-0.0010	0.0000	0.0000	0.0059	-0.0014	0.0000	0.0000	0.0000	0.0125	-0.0017	0.0000	0.0000	0.0000	
Carlton 12kV	0.0087	-0.0709	-0.0171	0.0053	0.0010	0.0065	-0.0693	-0.0141	0.0060	0.0004	0.0119	-0.0645	-0.0116	0.0042	-0.0022	0.0136	-0.0822	-0.0140	-0.0005	-0.0013	0.0288	-0.0954	-0.0133	0.0092	-0.0004
Carlyle 4.16kV	0.0037	-0.0120	-0.0038	0.0022	0.0005	0.0028	-0.0117	-0.0028	0.0027	-0.0002	0.0000	-0.0110	-0.0019	0.0023	0.0000	0.0058	-0.0141	-0.0027	0.0010	0.0000	0.0122	-0.0164	-0.0026	0.0043	0.0000
Carmel 12kV	0.0040	-0.1189	-0.0164	0.0024	-0.0002	0.0029	-0.1172	-0.0096	0.0027	-0.0012	0.0054	-0.1080	-0.0036	0.0019	-0.0014	0.0062	-0.1393	-0.0088	-0.0002	-0.0027	0.0131	-0.1575	-0.0089	0.0041	-0.0022
Carmenta 12kV	0.0627	-0.0989	-0.0194	0.0018	0.0000	0.0627	-0.0914	-0.0124	0.0020	-0.0007	0.0627	-0.0822	-0.0062	0.0014	-0.0004	0.0627	-0.1065	-0.0116	-0.0002	-0.0013	0.0627	-0.1274	-0.0115	0.0031	-0.0031
Carnation 12kV	0.0056	-0.0757	-0.0623	0.0024	0.0086	0.0041	-0.0840	-0.0601	0.0029	-0.0006	0.0076	-0.0889	-0.0588	0.0025	-0.0018	0.0087	-0.1067	-0.0603	0.0010	-0.0004	0.0184	-0.1220	-0.0567	0.0047	-0.0004
Carnegie 16kV	0.0687	-0.1034	-0.0398	0.0112	0.0000	0.0510	-0.1091	-0.0287	0.0138	0.0000	0.0931	-0.1119	-0.0192	0.0102	0.0000	0.1070	-0.1510	-0.0273	-0.0084	0.0000	0.2262	-0.1923	-0.0270	0.0182	0.0000
Carnealian 16kV	0.0184	-0.1524	-0.0573	0.0343	0.0000	0.0136	-0.1698	-0.0507	0.0389	0.0000	0.0249	-0.1772	-0.0456	0.0269	0.0000	0.0286	-0.2326	0.0513	-0.0627	0.0000	0.0605	-0.2759	-0.0480	0.0451	0.0000
Caro 12kV	0.0540	-0.0532	-0.0425	0.0006	0.0117	0.0401	-0.0636	-0.0403	0.0068	-0.0019	0.0731	-0.0685	-0.0386	0.0010	0.0005	0.0841	-0.0898	-0.0400	0.0025	0.0009	0.1777	-0.1128	-0.0379	0.0018	0.0000
Carob 12kV	0.0067	-0.0824	-0.0350	0.0062	0.0023	0.0050	-0.0838	-0.0305	0.0070	-0.0007	0.0090	-0.0831	-0.0271	0.0045	-0.0003	0.0104	-0.1096	-0.0308	-0.0058	-0.0004	0.0220	-0.1372	-0.0289	0.0095	-0.0004
Carpenter 12kV	0.0195	-0.0650	-0.0679	0.0017	0.0026	0.0145	-0.0696	-0.0644	0.0019	-0.0006	0.0265	-0.0722	-0.0661	0.0014	-0.0007	0.0904	-0.0852	-0.0682	-0.0002	0.0643	-0.0976	-0.0630	0.0300	-0.0004	
Caron 16kV	0.0222	-0.0951	-0.0210	0.0054	0.0000	0.0165	-0.0984	-0.0163	0.0066	0.0000	0.0301	-0.0953	-0.0124	0.0049	0.0000	0.1165	-0.1616	-0.0240	-0.0040	0.0000	0.0731	-0.1280	-0.0154	0.0088	0.0000
Carroll 12kV	0.0043	-0.0513	-0.0425	0.0006	0.0117	0.0401	-0.0636	-0.0403	0.0068	-0.0019	0.0731	-0.0685	-0.0386	0.0010	0.0005	0.0841	-0.0898	-0.0400	0.0025	0.0009	0.1777	-0.1128	-0.0379	0.0018	0.0000
Carriage 12kV	0.0351	-0.0620	-0.0240	0.0047	0.0003	0.0268	-0.0613	-0.0063	0.0054	-0.0023	0.0475	-0.0201	-0.0098	0.0038	-0.0023	0.0547	-0.0233	-0.0150	-0.0004	0.0656	-0.1555	-0.0354	0.0153	-0.0083	
Carolina 12kV	0.0115	-0.0519	-0.0255	0.0038	0.0010	0.0085	-0.0516	-0.0146	0.0043	-0.0021	0.0231	-0.0156	-0.0138	0.0028	-0.0020	0.0179	-0.0143	-0.0180	0.0036	0.0311	0.0379	-0.0145	0.0178	0.0058	
Carver 12kV	0.0171	-0.0003	0.0001	0.0111	0.0000	0.0127	-0.0003	0.0001	0.0015	0.0000	0.0232	-0.0001	0.0001	0.0022	0.0000	0.0267	-0.0001	0.0001	0.0004	0.0000	0.0564	-0.0001	0.0001	0.0024	0.0000
Cast 32kV	0.1617	-0.0550	-0.0500	0.0028	-0.0036	0.0038	-0.0588	-0.0482	0.0034	-0.0017	0.0669	-0.0512	-0.0471	0.0029	-0.0004	0.0680	-0.0725	-0.0486	0.0012	-0.0009	0.0169	-0.0848	-0.0455	0.0054	-0.0009
Cast 4.16kV	0.0000	-0.0173	-0.0068	0.0023	0.0004	0.0000	-0.0208	-0.0045	0.0026	0.0004	0.0000	-0.0243	-0.0026	0.0018	-0.0004	0.0000	-0.0389	-0.0043	-0.0009	0.0000	0.0554	-0.0043	0.0040	-0.0018	0.0000
Castmill 12kV	0.0242	-0.0371	-0.0235	0.0005	0.0000	0.0180	-0.0370	-0.0209	0.0006	0.0000	0.0328	-0.0362	-0.0189	0.0004	-0.0004	0.0378	-0.0420	-0.0211	-0.0008	0.0000	0.0798	-0.0473	0.0077	0.0000	0.0000
Cast 12kV	0.5364	-0.0161	-0.0083	0.0003	0.0059	0.1385	-0.0180	-0.0081	0.0003	-0.0018	0.1050	-0.0195	-0.0080	0.0004	-0.0017	0.1097	-0.0204	-0.0083	0.0001	0.0000	0.2319	-0.0216	-0.0080	0.0005	0.0000
Casa Loma 4.16kV	0.0006	-0.0246	-0.0042	0.0014	0.0000	0.0005	-0.0233	-0.0025	0.0015	0.0000	0.0213	-0.0010	0.0000	0.0000	0.0285	-0.0223	-0.0013	-0.0009	0.0020	0.0350	-0.0023	0.0021	-0.0009	0.0000	
Casals 12kV	0.0558	-0.0901	-0.0252	0.0022	0.0014	0.0414	-0.0908	-0.0188	0.0025	-0.0029	0.0756	-0.0894	-0.0134	0.0017	-0.0019	0.0869	-0.1242	-0.0184	-0.0002	-0.0355	0.1837	-0.1616	-0.0177	0.0338	-0.0022
Cascade 12kV	0.0000	-0.0005	-0.0007	0.0000	0.0000	0.0000	-0.0005	-0.0004	0.0000	0.0000	0.0006	-0.0006	0.0000	0.0000	0.0000	-0.0006	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Cascade 12kV	0.0541	-0.0211	-0.0129	0.0101	0.0000	0.0401	-0.0184	-0.0076	0.0124	0.0000	0.0732	-0.0157	-0.0030	0.0092	0.0000	0.0842	-0.1817	-0.0070	-0.0076	0.0000	0.1780	-0.0209	-0.0071	0.0165	0.0000
Casey 33kV	0.0361	-0.0001	-0.0002	0.0030	0.0000	0.0268	-0.0002	0.0002	0.0034	0.0000	0.0489	-0.0002	0.0002	0.0000	0.0062	-0.0002	0.0004	0.0000	0.0045	0.1188	-0.0002	0.0002	0.0042	0.0000	
Casey 16kV	0.0032	-0.0329	-0.0082	0.0029	0.0015	0.0024	-0.0305	-0.0074	0.0032	0.0003	0.0032	-0.0265	-0.0068	0.0023	-0.0005	0.0049	-0.0303	-0.0075	-0.0003	0.0000	0.0104	-0.0309	-0.0070	0.0050	0.0000
Casmalia 12kV	0.0710	-0.1213	-0.0404	0.0054	0.0000	0.0140	-0.1207	-0.0330	0.0062	0.0000	0.0256	-0.1137	-0.0270	0.0043	-0.0014	0.0295	-0.1514	-0.0329	-0.0005	-0.0027	0.0623	-0.1889	-0.0312	0.0095	-0.0013
Casper 4.16kV	0.0000	-0.0001	-0.0001	0.0005	0.0000	0.0000	-0.0002	-0.0001	0.0005	0.0000	0.0000	-0.0002	0.0000	0.0000	0.0000	0.0000	-0.0002	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Casper Butte 33kV	0.0520	-0.0698	-0.0141	0.0018	0.0000	0.0100	-0.0665	-0.0002	0.0072	0.0000	0.0378	-0.0586	-0.0247	0.0004	-0.0044	0.0654	-0.1097	-0.0242	-0.0006	0.0000	0.1679	-0.1316	-0.0004	0.0040	0.0000
Casper Rock 12kV	0.0237	-0.0101	-0.0033	0.0007	0.0000	0.0122	-0.0348	-0.0032	0.0009	0.0000	0.0375	-0.0582	-0.0243	0.0003	-0.0057	0.0652	-0.1135	-0.0243	-0.0015	0.0000	0.1515	-0.1231	-0.0017	0.0000	0.0000
Catelli 12kV	0.0659	-0.0304	-0.0252	0.0086	0.0000	0.0344	-0.0307	-0.0039	0.0009	0.0000	0.0660	-0.0108	-0.0011	0.0064	0.0000	0.0993	-0.1518	-0.0238	0.0012	-0.0036	0.0236	-0.0328	0.0120	0.0000	0.0000
Catelli 12kV	0.0724	-0.0605	-0.0372	0.0008	0.0000	0.0601	-0.0340	0.0010	0.0000	0.0054	0.0586	-0.0317	0.0013	-0.0011	0.0603	-0.1075	-0.0343	0.0031	-0.0221	0.0232	-0.0318	0.0111	0.0000	0.0000	
Catelli 12kV	1.9472	-0.0834	-0.0156	0.0005	0.0000	0.0202	-0.0852	-0.0111	0.0005	0.0000	0.0369	-0.0814	-0.0073	0.0004	-0.0004	0.0274	-0.1069	-0.0307	0.0000	0.0897	-0.1328	-0.0104	0.0008	-0.0027	
Catfish 12kV																									

Facility	2018					2019					2020					2021					2022					
	ee Demand (MW)	PV (MW) ^{1a}	EE (MW) ^{1b}	EV (MW) ^{1b}	LMDR (MW) ^{1b}	ee Demand (MW)	PV (MW) ^{1b}	EE (MW) ^{1b}	EV (MW) ^{1b}	LMDR (MW) ^{1b}	ee Demand (MW)	PV (MW) ^{2b}	EE (MW) ^{2b}	EV (MW) ^{2b}	LMDR (MW) ^{2b}	ee Demand (MW)	PV (MW) ^{2b}	EE (MW) ^{2b}	EV (MW) ^{2b}	LMDR (MW) ^{2b}	ee Demand (MW)	PV (MW) ^{2b}	EE (MW) ^{2b}	EV (MW) ^{2b}	LMDR (MW) ^{2b}	
Chapman 4.16kV	0.0038	-0.0092	-0.026	0.0019	0.0000	0.0028	-0.0095	-0.0015	0.0023	0.0000	0.0051	-0.0095	-0.0005	0.0020	0.0000	-0.0137	-0.0013	0.0000	0.0000	-0.0175	-0.0014	0.0036	0.0000	0.0000		
Chardonnay 12kV	0.0094	-0.0455	-0.0167	0.0206	0.0004	0.0070	-0.0413	-0.0114	0.0233	0.0000	0.0128	-0.0366	-0.0069	0.0151	-0.0013	0.0147	-0.0437	-0.0109	-0.0194	-0.0009	0.0311	-0.0491	-0.0108	0.0315	0.0000	
Chargers 12kV	0.0000	-0.0641	-0.0314	0.0188	0.0000	0.0000	-0.0652	-0.0212	0.0214	0.0000	0.0000	-0.0651	-0.0124	0.0148	0.0000	0.0000	-0.0892	-0.0202	-0.0345	0.0000	0.0000	-0.1147	-0.0147	-0.0198	0.0248	0.0000
Chariot 16kV	0.0341	-0.0635	-0.0379	0.0238	0.0000	0.0253	-0.0565	-0.0292	0.0267	0.0000	0.0462	-0.0500	-0.0219	0.0176	0.0000	0.0531	-0.0552	-0.0287	-0.0353	0.0000	0.1123	-0.0578	-0.0275	0.0311	0.0000	
Charity 4.16kV	0.0044	-0.0141	-0.0061	0.0022	0.0006	0.0033	-0.0143	-0.0045	0.0025	0.0007	0.0059	-0.0142	-0.0032	0.0016	-0.0008	0.0068	-0.0193	-0.0044	-0.0021	0.0000	0.0144	-0.0246	-0.0043	0.0034	-0.0009	
Charlesworth 4.8kV	0.0036	-0.0131	-0.0060	0.0012	-0.0013	0.0027	-0.0107	-0.0034	0.0013	-0.0012	0.0000	-0.0086	-0.0039	0.0009	-0.0013	0.0000	-0.0102	-0.0031	-0.0011	-0.0040	0.0000	-0.0110	-0.0032	0.0018	-0.0009	
Charleville 4.16kV	0.0000	-0.0119	-0.0103	0.0028	0.0026	0.0000	-0.0138	-0.0092	0.0032	-0.0013	0.0000	-0.0146	-0.0084	0.0023	0.0001	0.0000	-0.0193	-0.0093	-0.0003	-0.0004	0.0000	-0.0233	-0.0087	0.0050	-0.0009	
Charlie 12kV	0.0227	-0.1580	-0.0291	0.0010	-0.0006	0.0140	-0.1555	-0.0224	0.0013	0.0000	0.0256	-0.1467	-0.0167	0.0015	-0.0005	0.0295	-0.1884	-0.0215	0.0003	-0.0013	0.0623	-0.2210	-0.0211	0.0021	-0.0009	
Charlton 12kV	0.0597	-0.0827	-0.0233	0.0008	0.0006	0.0409	-0.0778	-0.0155	0.0009	-0.0008	0.0747	-0.0709	-0.0088	0.0008	-0.0016	0.0859	-0.0917	-0.0147	0.0003	0.0009	0.1815	-0.1093	-0.0145	0.0015	-0.0027	
Chartreuse 12kV	0.0058	-0.0398	-0.0465	0.0014	0.0081	0.0043	-0.0435	-0.0461	0.0017	-0.0022	0.0079	-0.0450	-0.0465	0.0014	0.0090	-0.0512	-0.0475	0.0006	0.0000	0.0191	-0.0558	-0.0438	0.0026	0.0000		
Chateau 33kV	0.1286	0.0000	0.0000	0.0005	0.0000	0.0954	0.0000	0.0006	0.0000	0.0006	0.1743	0.0000	0.0000	0.0004	0.0000	0.2004	0.0000	0.0000	-0.0005	0.0000	0.4235	0.0000	0.0008	0.0000		
Chattanooga 12kV	0.0183	-0.0733	-0.0264	0.0050	0.0015	0.0136	-0.0715	-0.0226	0.0056	-0.0004	0.0248	-0.0677	-0.0195	0.0336	-0.0019	0.0285	-0.0865	-0.0227	-0.0047	-0.0009	0.0603	-0.1035	-0.0213	0.0076	-0.0013	
Chavez 12kV	0.0000	-0.0103	0.0033	0.0001	0.0014	0.0029	0.0000	0.0010	0.0000	0.0000	0.0016	-0.0027	0.0000	0.0000	0.0016	0.0016	-0.0300	0.0000	0.0000	-0.0017	-0.0028	0.0000	0.0000	0.0000		
Chawla 12kV	0.0602	-0.0886	-0.0278	0.0139	0.0000	0.0447	-0.0855	-0.0298	0.0156	0.0000	0.0816	-0.0807	-0.0149	0.0103	0.0000	0.0938	-0.0994	-0.0203	-0.0020	0.0000	0.1984	-0.1152	-0.0198	0.0194	0.0000	
Cheever 12kV	0.0005	-0.0251	-0.0121	0.0223	0.0020	0.0049	-0.0251	-0.0141	0.0050	-0.0010	0.0160	-0.0251	-0.0141	0.0050	-0.0010	0.0251	-0.0251	-0.0141	-0.0010	0.0000	0.1961	-0.1151	-0.0241	0.0151	0.0000	
Chesapeake 12kV	0.0043	-0.0621	-0.0171	0.0001	0.0049	0.0180	-0.0659	-0.0165	0.0000	0.0000	0.0063	-0.0388	-0.0754	0.0716	0.0003	0.0000	-0.0785	-0.0709	0.0001	0.0000	0.0785	-0.0637	-0.0674	0.0004	-0.0009	
Chetah 12kV	0.0065	-0.1404	-0.0537	0.0055	0.0057	0.0048	-0.1510	-0.0488	0.0062	0.0000	0.0060	-0.1514	-0.0452	0.0044	-0.0029	0.0092	-0.1940	-0.0495	-0.0005	0.0531	0.0194	-0.2243	-0.0463	0.0096	-0.0113	
Chella 12kV	0.0238	-0.0604	-0.0168	0.0075	-0.0001	0.0176	-0.0610	-0.0120	0.0085	-0.0012	0.0232	-0.0604	-0.0080	0.0005	-0.0013	0.0370	-0.0852	-0.0117	0.0009	0.0099	-0.0783	-0.1120	-0.0113	0.0115	-0.0032	
Chelsie 4.16kV	0.0106	-0.0777	-0.0079	0.0096	0.0005	0.0079	-0.0777	-0.0053	0.0116	-0.0006	0.0076	-0.0702	-0.0030	0.0101	0.0000	0.0076	-0.0887	-0.0051	-0.0044	0.0004	0.0076	-0.0994	-0.0050	0.0185	0.0000	
Chemical 16kV	0.0149	-0.0259	-0.0393	0.0006	0.0003	0.0130	-0.0289	-0.0400	0.0008	-0.0001	0.0202	-0.0414	-0.0040	0.0009	-0.0070	0.0232	-0.0327	-0.0040	0.0002	0.0000	0.0490	-0.0345	-0.0278	0.0012	0.0000	
Cheney 4.16kV	0.0000	0.0000	0.0000	0.0058	0.0000	0.0000	0.0000	0.0039	0.0006	0.0000	0.0000	0.0039	0.0000	0.0000	0.0000	0.0000	0.0072	0.0000	0.0000	0.0000	0.0076	0.0000	0.0000	0.0079	0.0000	
Chenault 12kV	0.0113	-0.0446	-0.0774	0.0018	0.0018	0.0082	-0.0115	-0.0237	0.0012	-0.0001	0.0224	-0.0196	-0.0051	0.0000	0.0000	0.0151	-0.0539	-0.0283	0.0031	-0.0007	0.0173	-0.0569	-0.0273	0.0054	0.0000	
Cherokee 12kV	0.0060	-0.1116	-0.0366	0.0188	0.0000	0.0044	-0.1115	-0.0237	0.0024	0.0000	0.0081	-0.1056	-0.0216	0.0000	0.0000	0.0093	-0.0507	-0.0128	-0.0005	0.0197	-0.1957	-0.0222	0.0247	0.0000		
Chetivit 4.16kV	0.0060	-0.0380	-0.0144	0.0021	0.0051	0.0044	-0.0404	-0.0126	0.0026	-0.0015	0.0081	-0.0399	-0.0113	0.0031	0.0006	0.0093	-0.0507	-0.0128	-0.0005	0.0197	-0.0581	-0.0120	0.0042	-0.0004		
Chewbacca 12kV	0.0160	-0.1130	-0.0318	0.0030	0.0000	0.0119	-0.1038	-0.0265	0.0034	-0.0008	0.0217	-0.0928	-0.0211	0.0022	-0.0004	0.0250	-0.1140	-0.0265	-0.0029	-0.0018	0.0528	-0.1310	-0.0250	0.0046	-0.0004	
Cheyenne 12kV	0.0060	-0.0262	-0.0085	0.0029	0.0000	0.0044	-0.0265	-0.0059	0.0035	-0.0001	0.0081	-0.0261	-0.0037	0.0026	0.0000	0.0093	-0.0355	-0.0057	-0.0022	0.0000	0.0197	-0.0450	-0.0056	0.0047	0.0000	
Chi 12kV	0.0079	-0.0501	-0.0235	0.0047	0.0000	0.0059	-0.0420	-0.0169	0.0053	0.0000	0.0107	-0.0342	-0.0112	0.0035	0.0000	0.0123	-0.0374	-0.0164	-0.0070	0.0000	0.0261	-0.0381	-0.0158	0.0065	0.0000	
Chicago 4.16kV	0.0000	-0.0246	-0.0070	0.0011	0.0004	0.0000	-0.0299	-0.0049	0.0013	0.0000	0.0000	-0.0345	-0.0030	0.0008	-0.0002	0.0000	-0.0550	-0.0047	-0.0011	0.0000	0.0000	-0.0774	-0.0046	0.0100	-0.0009	
Chico 16kV	0.1440	-0.0948	-0.0268	0.0197	0.0000	0.1069	-0.1063	-0.0215	0.0224	0.0000	0.1951	-0.1121	-0.0171	0.0154	0.0000	0.0362	-0.1571	-0.0213	-0.0360	0.0000	0.0766	-0.1966	-0.0202	0.0259	0.0000	
Chile 12kV	0.0062	-0.0727	-0.0548	0.0011	-0.0149	0.0017	-0.0790	-0.0844	0.0013	-0.0008	0.0084	-0.0836	-0.0851	0.0018	-0.0005	0.0096	-0.0935	-0.0859	0.0042	-0.0004	0.0204	-0.1045	-0.0800	0.0031	-0.0009	
Chillon 2.4kV	0.0000	-0.0027	-0.0021	0.0015	0.0000	0.0000	-0.0027	-0.0008	0.0033	0.0000	0.0116	-0.0078	-0.0005	0.0014	0.0000	0.0000	-0.0035	-0.0020	-0.0008	0.0000	0.0035	-0.0037	-0.0008	0.0000		
Chillita 12kV	0.0115	-0.0479	-0.0667	0.0018	0.0000	0.0085	-0.0475	-0.0044	0.0020	0.0000	0.0156	-0.0443	-0.0025	0.0014	0.0000	0.0179	-0.0565	-0.0042	-0.0027	0.0000	0.0378	-0.0641	-0.0042	0.0035	0.0000	
Chris 12kV	0.0216	-0.0872	-0.0470	0.0022	0.0000	0.0160	-0.0937	-0.0421	0.0037	0.0000	0.0293	-0.0938	-0.0380	0.0039	0.0000	0.0336	-0.1387	-0.0413	0.0064	0.0000	0.0711	-0.1421	-0.0395	0.0059	0.0000	
Christine 12kV	0.0056	-0.1066	-0.0212	0.0094	0.0022	0.0042	-0.1003	-0.0152	0.0106	0.0005	0.0076	-0.0955	-0.0101	0.0069	-0.0016	0.0088	-0.1266	-0.0148	-0.0089	-0.0022	0.0186	-0.1522	-0.0143	0.0144	-0.0027	
Christy 12kV	0.0216	-0.0527	-0.0302	0.0020	0.0000	0.0160	-0.0574	-0.0277	0.0023	0.0000	0.0293	-0.0608	-0.0255	0.0016	0.0000	0.0336	-0.0699	-0.0263	-0.0037	0.0000						

Facility	2018					2019					2020					2021					2022				
	ee Demand (MW)	PV (MW) ^{1a}	EE (MW) ^{1b}	EV (MW) ^{1c}	LMDR (MW) ^{1d}	ee Demand (MW)	PV (MW) ^{1e}	EE (MW) ^{1f}	EV (MW) ^{1g}	LMDR (MW) ^{1h}	ee Demand (MW)	PV (MW) ¹ⁱ	EE (MW) ^{1j}	EV (MW) ^{1k}	LMDR (MW) ^{1l}	ee Demand (MW)	PV (MW) ^{1m}	EE (MW) ¹ⁿ	EV (MW) ^{1o}	LMDR (MW) ^{1p}	ee Demand (MW)	PV (MW) ^{1q}	EE (MW) ^{1r}	EV (MW) ^{1s}	LMDR (MW) ^{1t}
Clifton 4.16kV	0.0059	-0.0193	-0.0067	0.0104	0.0000	0.0044	-0.0210	-0.0038	0.0118	0.0000	0.0080	-0.0216	-0.0014	0.0082	0.0000	0.0092	-0.0308	-0.0035	-0.0190	0.0000	0.0194	-0.0387	-0.0036	0.0137	0.0000
Cline 4.16kV	0.0000	-0.0139	-0.0081	0.0002	0.0015	0.0000	-0.0136	-0.0074	0.0002	0.0000	0.0000	-0.0130	-0.0069	0.0001	-0.0004	0.0000	-0.0158	-0.0075	0.0000	-0.0009	0.0000	-0.0184	-0.0070	0.0003	-0.0004
Clinic 12kV	1.6186	-0.0049	-0.0486	0.0019	0.0081	0.0138	-0.0470	-0.0491	0.0022	-0.0017	0.0252	-0.0482	-0.0502	0.0015	-0.0078	0.0289	-0.0540	-0.0507	-0.0002	0.0004	0.0612	-0.0598	-0.0466	0.0033	-0.0004
Clinton 33kV	0.0330	0.0000	0.0000	0.0002	0.0245	0.0000	0.0000	0.0003	0.0000	0.0447	0.0000	0.0000	0.0003	0.0000	0.0514	0.0000	0.0000	0.0001	0.0000	0.1087	0.0000	0.0005	0.0000	0.0000	
Clipper 4.16kV	0.0076	-0.0098	-0.0013	0.0012	0.0000	0.0056	-0.0097	-0.0007	0.0013	0.0000	0.0103	-0.0091	-0.0003	0.0008	0.0000	0.0000	-0.0121	-0.0007	-0.0011	0.0000	0.0000	-0.0144	-0.0007	0.0018	-0.0000
Cloer 12kV	0.4639	-0.0174	-0.0075	0.0015	0.0098	0.0689	-0.0187	-0.0070	0.0017	-0.0007	0.0644	-0.0197	-0.0067	0.0012	0.0007	0.0740	-0.0213	-0.0073	-0.0001	-0.0004	0.1066	-0.0231	-0.0070	0.0026	0.0000
Clove 12kV	0.0171	-0.0865	-0.0147	0.0068	0.0005	0.0127	-0.0834	-0.0111	0.0077	0.0001	0.0231	-0.0764	-0.0082	0.0050	-0.0019	0.0266	-0.0978	-0.0109	-0.0064	-0.0013	0.0562	-0.1127	-0.0105	0.0104	-0.0004
Clover 12kV	0.0056	-0.1478	-0.0328	0.0097	0.0052	0.0041	-0.1523	-0.0240	0.0109	-0.0020	0.0076	-0.1460	-0.0166	0.0071	-0.0015	0.0087	-0.1934	-0.0234	-0.0091	-0.0027	0.0184	-0.2290	-0.0226	0.0148	-0.0035
Cloverfield 4.16kV	0.0047	-0.0275	-0.0090	0.0115	0.0000	0.0035	-0.0263	-0.0066	0.0141	0.0000	0.0064	-0.0235	-0.0046	0.0105	0.0000	0.0073	-0.0267	-0.0065	-0.0086	0.0000	0.0155	-0.0276	-0.0062	0.0187	0.0000
Cloverly 4.16kV	0.0000	-0.0199	-0.0070	0.0011	0.0001	0.0000	-0.0206	-0.0048	0.0014	0.0005	0.0000	-0.0206	-0.0030	0.0016	-0.0004	0.0000	-0.3000	-0.0047	0.0003	-0.0004	0.0000	-0.0403	0.0045	0.0021	0.0000
Clubhouse 12kV	2.2455	-0.0063	-0.1157	0.0024	0.0016	0.0103	-0.0941	-0.1175	0.0027	0.0001	0.0187	-0.1001	-0.1208	0.0017	-0.0002	0.0215	-0.1049	-0.2124	-0.0022	0.0000	0.0455	-0.1107	-0.1116	0.0036	0.0000
Clutch 12kV	0.0347	-0.0664	-0.0239	0.0023	0.0010	0.0257	-0.0630	-0.0183	0.0026	-0.0023	0.0470	-0.0584	-0.0137	0.0018	-0.0009	0.0540	-0.0753	-0.0180	-0.0002	-0.0009	0.1141	-0.0502	-0.0172	0.0040	-0.0022
Clydesdale 12kV	0.0111	-0.1529	-0.0320	0.0060	0.0000	0.0082	-0.1505	-0.0272	0.0068	0.0000	0.0650	-0.1444	-0.0234	0.0045	0.0000	0.0673	-0.1920	-0.0273	0.0000	0.0685	-0.2381	-0.0257	0.0084	0.0000	0.0000
Coach 12kV	0.0166	-0.0758	-0.0323	0.0112	0.0011	0.0123	-0.0738	-0.0260	0.0127	0.0005	0.0225	-0.0664	-0.0207	0.0050	-0.0018	0.0259	-0.0768	-0.0258	-0.0010	0.0022	0.0547	-0.0800	-0.0245	0.0196	-0.0035
Cocaine 33kV	1.6023	-0.0041	-0.0001	0.0001	0.0000	0.0050	-0.0001	-0.0001	0.0000	0.0000	0.0050	-0.0001	-0.0001	0.0000	0.0000	0.0050	-0.0001	-0.0001	0.0000	0.0000	-0.0001	-0.0001	0.0000	0.0000	
Coal 4.16kV	0.0034	-0.1623	-0.0354	0.0084	0.0042	0.0035	-0.0993	-0.0292	0.0095	-0.0005	0.0045	-0.0936	-0.0240	0.0067	-0.0025	0.0052	-0.1176	-0.0288	-0.0008	-0.0004	0.0110	-0.1395	-0.0275	0.0046	-0.0013
Coalinga 12kV	0.0581	-0.0649	-0.0194	0.0012	0.0058	0.0431	-0.0457	0.0149	0.0014	0.0063	0.0767	-0.0436	-0.0112	0.0009	-0.0008	0.0905	-0.0551	-0.0147	0.0011	0.0181	0.1912	-0.0556	-0.0142	0.0018	-0.0037
Coastal 12kV	0.0071	-0.1319	-0.0505	0.0145	0.0041	0.0053	-0.1449	-0.0394	0.0164	-0.0211	0.0096	-0.1521	-0.0302	0.0116	-0.0005	0.0011	-0.2111	-0.0380	-0.0113	-0.0013	0.0234	-0.2950	-0.0371	0.0053	-0.0013
Cobalt 12kV	0.0126	-0.0767	-0.0393	0.0073	0.0000	0.0094	-0.0811	-0.0322	0.0082	0.0000	0.0171	-0.0821	-0.0262	0.0054	0.0000	0.0123	-0.1086	-0.0319	-0.0109	0.0000	0.0259	-0.1367	-0.0206	0.0000	0.0000
Cobra 16kV	0.0015	-0.0891	-0.0170	0.0026	0.0019	0.0011	-0.0798	-0.0139	0.0029	-0.0009	0.0020	-0.0676	-0.0113	0.0019	-0.0003	0.0023	-0.0781	-0.0138	-0.0025	-0.0013	0.0048	-0.1823	-0.0131	0.0040	-0.0022
Cocamo 12kV	0.0040	-0.0256	-0.0218	0.0035	0.0038	0.0030	-0.0265	-0.0194	0.0043	0.0009	0.0054	-0.0269	-0.0175	0.0037	0.0000	0.0062	-0.0327	-0.0196	-0.0015	0.0004	0.0131	-0.0883	-0.0069	0.0013	-0.0013
Cochise 12kV	0.0477	-0.0555	-0.0140	0.0016	0.0000	0.0354	-0.0532	-0.0104	0.0018	0.0000	0.0646	-0.0498	-0.0074	0.0012	0.0000	0.0743	-0.1060	-0.0102	-0.0001	0.0009	0.1570	-0.0805	-0.0098	0.0027	0.0000
Coco 12kV	0.0079	-0.0424	-0.0655	0.0013	0.0153	0.0059	-0.0473	-0.0656	0.0017	0.0001	0.0108	-0.0513	-0.0685	0.0022	0.0006	0.0652	-0.0534	-0.0681	0.0000	0.0131	-0.0563	-0.0631	0.0027	0.0000	
Code 4.16kV	0.0000	-0.0210	-0.0045	0.0037	0.0000	0.0201	-0.0029	0.0041	0.0000	0.0000	-0.0188	-0.0015	0.0027	0.0000	0.0000	-0.0252	-0.0027	-0.0054	0.0000	0.0000	-0.0311	-0.0027	0.0051	0.0000	0.0000
Codona 4.16kV	0.0112	-0.1444	-0.0029	0.0028	0.0083	0.0165	-0.0018	0.0031	0.0001	0.0152	-0.0179	-0.0000	0.0022	0.0000	0.0175	-0.0274	-0.0017	-0.0003	0.0030	-0.0370	-0.0068	0.0017	0.0048	-0.0004	
Cody 12kV	0.0084	-0.0602	-0.0629	0.0014	0.0202	0.0063	-0.0650	-0.0598	0.0018	-0.0003	0.0114	-0.0666	-0.0579	0.0021	-0.0085	0.0131	-0.0842	-0.0608	0.0004	-0.018	0.0278	-0.1028	-0.0566	0.0028	-0.0018
Coffee 4.16kV	0.0000	-0.0113	-0.0033	0.0010	0.0000	0.0117	-0.0019	0.0011	0.0000	0.0000	-0.0121	-0.0007	0.0007	-0.0004	0.0000	-0.0181	-0.0018	-0.0009	0.0000	0.0252	-0.0018	0.0015	0.0000	0.0000	
Cognac 12kV	0.0045	-0.0849	-0.0111	0.0112	0.0000	0.0033	-0.0891	-0.0068	0.0125	0.0000	0.0061	-0.0893	-0.0030	0.0083	0.0000	0.0070	-0.1277	-0.0633	-0.0166	0.0000	0.1640	-0.0663	-0.0063	0.0155	0.0000
Cogswell 4.16kV	0.0027	-0.0279	-0.0062	0.0018	0.0000	0.0007	-0.0330	-0.0036	0.0022	0.0000	0.0037	-0.0366	-0.0040	0.0008	-0.0003	0.0028	-0.0456	-0.0089	-0.0027	0.0000	0.0304	-0.0228	-0.0062	0.0000	0.0000
College Park 4.16kV	0.0193	-0.0704	-0.0026	0.0005	0.0000	0.0005	-0.0164	-0.0075	0.0032	0.0000	0.0053	-0.0173	-0.0002	0.0008	-0.0004	0.0028	-0.0803	-0.0087	0.0000	0.0049	-0.0649	-0.0035	0.0041	-0.0004	
Colgate 12kV	0.0051	-0.0604	-0.0274	0.0026	0.0030	0.0038	-0.0581	-0.0218	0.0032	0.0000	0.0109	-0.0542	-0.0202	0.0028	-0.0004	0.0083	-0.0649	-0.0209	-0.0000	0.0041	-0.0635	-0.0035	0.0041	-0.0004	
Collie 12kV	0.0107	-0.0852	-0.0285	0.0087	0.0012	0.0079	-0.0652	-0.0211	0.0098	0.0002	0.0144	-0.0510	-0.0150	0.0064	-0.0018	0.0166	-0.0529	-0.0202	-0.0000	0.0082	-0.0351	-0.0052	0.0044	-0.0004	
Collins 12kV	2.8983	-0.1453	-0.0681	0.0024	0.0102	0.0136	-0.1643	-0.0627	0.0031	-0.0213	0.0248	-0.1383	-0.0586	0.0036	-0.0064	0.0285	-0.1671	-0.0629	-0.0007	0.0103	-0.0602	-0.1887	-0.0048	-0.0031	
Color 4.16kV	0.0000	-0.0131	-0.0033	0.0002	0.0000	0.0125	-0.0200	0.0002	0.0000	0.0000	-0.0116	-0.0008	0.0002	0.0000	0.0156	-0.0188	-0.0018	-0.0001	0.0000	-0.0192	-0.0018	0.0018	0.0000	0.0000	
Colt 12kV	0.0111	-0.0915	-0.0258	0.0026	-0.0047	0.0082	-0.0819	-0.0237	0.0030	-0.0018	0.0150	-0.0716	-0.0221	0.0019	-0.0020	0.0173	-0.0792	-0.0233	-0.0025	0.0009	0.0365	-0.0822	-0.0223	0.0040	0.0000
Columbia 4																									

Facility	2018						2019						2020						2021						2022					
	ee Demand (MW)	PV (MW) ^{1a}	EE (MW) ^{1b}	EV (MW) ^{1c}	LMDR (MW) ^{1d}	ee Demand (MW)	PV (MW) ^{1e}	EE (MW) ^{1f}	EV (MW) ^{1g}	LMDR (MW) ^{1h}	ee Demand (MW)	PV (MW) ^{2a}	EE (MW) ^{2b}	EV (MW) ^{2c}	LMDR (MW) ^{2d}	ee Demand (MW)	PV (MW) ^{2e}	EE (MW) ^{2f}	EV (MW) ^{2g}	LMDR (MW) ^{2h}	ee Demand (MW)	PV (MW) ²ⁱ	EE (MW) ^{2j}	EV (MW) ^{2k}	LMDR (MW) ^{2l}					
Copra 4.16kV	0.0000	-0.0117	-0.0029	0.0018	0.0000	0.0000	-0.0137	-0.0018	0.0021	-0.0004	0.0000	-0.0152	-0.0008	0.0015	0.0000	0.0000	-0.0236	-0.0017	-0.0002	0.0004	0.0000	-0.0316	-0.0017	0.0032	0.0000					
Copra 4.16kV	0.0000	-0.0004	-0.0002	0.0001	0.0003	0.0000	-0.0004	-0.0002	0.0001	0.0000	0.0000	-0.0004	-0.0001	0.0001	0.0000	0.0005	-0.0002	0.0000	0.0000	0.0000	-0.0006	-0.0002	0.0000	0.0000						
Corak 12kV	0.0300	-0.0308	-0.0184	0.0007	0.0224	0.0223	-0.0324	-0.0161	0.0009	-0.0005	0.0406	-0.0334	-0.0142	0.0008	-0.0015	0.0467	-0.0452	-0.0162	0.0003	-0.0004	0.0587	-0.0586	-0.0152	0.0014						
Coral 4.16kV	0.0035	-0.0032	-0.0016	0.0034	0.0000	0.0026	-0.0033	-0.0009	0.0038	0.0000	0.0048	-0.0033	-0.0004	0.0027	0.0000	0.0055	-0.0049	-0.0009	-0.0062	0.0000	0.0116	-0.0066	-0.0009	0.0044						
Corbinia 12kV	0.0075	-0.0672	-0.0594	0.0025	0.0083	0.0056	-0.0738	-0.0564	0.0032	-0.0027	0.0102	-0.0769	-0.0545	0.0038	-0.0010	0.0117	-0.0960	-0.0575	0.0008	-0.0004	0.0247	-0.1126	-0.0534	0.0051	-0.0009					
Corby 12kV	0.0168	-0.0429	-0.0511	0.0053	0.0046	0.0125	-0.0465	-0.0510	0.0061	-0.0001	0.0228	-0.0492	-0.0517	0.0043	-0.0074	0.0262	-0.0570	-0.0525	-0.0005	0.0000	0.0554	-0.0659	-0.0848	0.0093	0.0000					
Cord 4.16kV	0.0100	-0.0036	-0.0065	0.0001	0.0043	0.0074	-0.0040	-0.0067	0.0002	-0.0011	0.0135	-0.0044	-0.0069	0.0002	-0.0007	0.0155	-0.0045	-0.0069	0.0000	0.0000	0.0328	-0.0048	-0.0064	0.0002	0.0000					
Cordial 12kV	0.0338	-0.1479	-0.0302	0.0006	0.0017	0.0251	-0.1420	-0.0249	0.0006	-0.0027	0.0458	-0.1275	-0.0207	0.0005	-0.0049	0.0526	-0.1549	-0.0249	-0.0001	-0.0049	0.1043	-0.1677	-0.0235	0.0010	-0.0013					
Cordoba 12kV	0.0488	-0.0363	-0.0649	0.0006	0.0015	0.0362	-0.0406	-0.0665	0.0007	0.0001	0.0661	-0.0441	-0.0690	0.0010	-0.0010	0.0760	-0.0459	-0.0688	0.0023	0.0000	0.1607	-0.0484	-0.0632	0.0017	0.0000					
Cordon 12kV	0.0132	-0.1186	-0.0233	0.0030	0.0026	0.0098	-0.1148	-0.0177	0.0036	-0.0052	0.0179	-0.1074	-0.0129	0.0032	-0.0032	0.0206	-0.1394	-0.0173	0.0013	-0.0035	0.0436	-0.1673	-0.0168	0.0058	-0.0018					
Cordova 4.16kV	0.0049	-0.0121	-0.0040	0.0014	0.0009	0.0036	-0.0133	-0.0027	0.0017	-0.0004	0.0067	-0.0142	-0.0015	0.0015	0.0001	0.0077	-0.0216	-0.0026	0.0006	0.0000	0.0162	-0.0298	-0.0025	0.0028	-0.0004					
Corinth 12kV	0.0592	-0.1027	-0.0397	0.0032	0.0031	0.0439	-0.0875	-0.0355	0.0036	-0.0005	0.0802	-0.0728	-0.0322	0.0023	-0.0007	0.0922	-0.0777	-0.0359	-0.0030	0.0000	0.1948	-0.0782	-0.0335	0.0049	-0.0004					
Cornell 4.16kV	0.0000	-0.0114	-0.0019	0.0012	0.0000	0.0108	-0.0011	0.0013	0.0001	0.0000	0.0009	-0.0097	-0.0004	0.0009	0.0000	0.0125	-0.0101	-0.0001	0.0000	0.0143	-0.0010	0.0021	-0.0004	0.0000						
Cornish 4.16kV	0.0038	-0.0047	-0.0059	0.0007	0.0000	0.0028	-0.0461	-0.0034	0.0007	0.0001	0.0051	-0.0483	-0.0013	0.0005	0.0000	0.0018	-0.0509	-0.0018	-0.0001	-0.0011	0.0125	-0.0086	-0.0032	0.0011	-0.0013					
Corinne 4.16kV	0.0000	-0.0121	-0.0041	0.0011	0.0000	0.0059	-0.0120	-0.0041	0.0001	0.0000	0.0106	-0.0216	-0.0041	0.0001	0.0000	0.0143	-0.0241	-0.0041	-0.0001	0.0000	0.0150	-0.0084	-0.0033	0.0000	0.0000					
Correll 12kV	0.0424	-0.0606	-0.0290	0.0088	0.0032	0.0915	-0.0631	-0.0009	0.0001	0.0574	-0.0640	-0.0239	0.0064	-0.0011	0.0660	-0.0657	-0.0264	-0.0083	0.0013	0.1398	-0.0910	-0.0247	0.0135	-0.0013						
Corredor 16kV	0.0513	-0.0449	-0.0563	0.0021	0.0043	0.0455	-0.0500	-0.0668	0.0035	0.0008	0.0831	-0.0538	-0.0683	0.0022	0.0003	0.0956	-0.0664	-0.0690	0.0009	0.0000	0.2020	-0.0672	-0.0365	0.0040	0.0000					
Coronita 12kV	0.2000	-0.0983	-0.0200	0.0092	0.0008	0.2000	-0.0898	-0.0130	0.0104	-0.0115	0.0805	-0.0794	-0.0069	0.0067	-0.0015	0.0925	-0.1021	-0.0123	-0.0087	-0.0207	0.1955	-0.1214	-0.0121	0.0141	-0.0018					
Corporal 12kV	0.0571	-0.1024	-0.0382	0.0005	0.0008	0.0424	-0.0978	-0.0187	0.0006	-0.0015	0.0774	-0.0912	-0.0125	0.0007	-0.0017	0.0890	-0.1203	-0.0180	0.0001	-0.0181	0.1880	-0.1467	-0.0185	0.0009	-0.0053					
Corral 4.16kV	0.0038	-0.0295	-0.0056	0.0054	0.0000	0.0029	-0.0243	-0.0035	0.0067	0.0000	0.0052	-0.0233	-0.0016	0.0009	0.0060	0.0298	-0.0032	-0.0041	0.0000	0.0126	-0.0032	0.0089	0.0000	0.0000						
Corrie 4.16kV	0.0110	-0.1059	-0.0506	0.0041	0.0000	0.0082	-0.1056	-0.0039	0.0046	0.0000	0.0149	-0.1050	-0.0025	0.0030	0.0000	0.0171	-0.2023	-0.0038	-0.0060	0.0000	0.0362	-0.0252	-0.0037	0.0056	0.0000					
Corsair 12kV	0.0343	-0.0764	-0.0333	0.0113	0.0054	0.0254	-0.0777	-0.0272	0.0128	-0.0018	0.0464	-0.0753	-0.0222	0.0083	-0.0026	0.0534	-0.0968	-0.0271	-0.0107	0.0004	0.1128	-0.1136	-0.0257	0.0173	-0.0013					
Corsica 18kV	0.0687	-0.2301	-0.0981	0.0043	0.0164	0.0510	-0.2566	-0.0501	0.0051	0.0030	0.0931	-0.2679	-0.0844	0.0045	-0.0041	0.1070	-0.3571	-0.0915	0.0018	-0.0013	0.2262	-0.4281	-0.0856	0.0082	-0.0018					
Corta 4.16kV	0.0096	-0.0147	-0.0026	0.0001	0.0008	0.0071	-0.0158	-0.0019	0.0002	-0.0001	0.0130	-0.0157	-0.0014	0.0002	0.0000	0.0149	-0.0210	-0.0019	0.0001	-0.0004	0.0000	-0.0246	-0.0018	0.0003	0.0000					
Cortese 12kV	0.0129	-0.0058	-0.0058	0.0010	0.0000	0.0096	-0.0064	-0.0056	0.0013	0.0000	0.0174	-0.0069	-0.0055	0.0019	0.0000	0.0200	-0.0084	-0.0057	0.0008	0.0000	0.0424	-0.0101	-0.0053	0.0022	0.0000					
Covette 12kV	0.0424	-0.0057	-0.0041	0.0006	0.0009	0.0315	-0.0061	-0.0037	0.0006	0.0003	0.0574	-0.0064	-0.0024	0.0002	0.0000	0.0660	-0.0085	-0.0038	-0.0005	0.0000	0.1396	-0.0110	-0.0035	0.0009	0.0000					
Cory 16kV	0.6426	-0.2423	-0.0336	0.0024	0.0016	0.4768	-0.269	-0.0314	0.0031	-0.0004	0.8707	-0.2823	-0.0299	0.0036	-0.0009	1.0011	-0.3334	-0.0320	-0.0004	-0.0040	0.0409	-0.298	-0.0049	0.0000	0.0000					
Costello 33kV	0.2059	0.0000	0.0000	0.0025	0.0000	0.1741	0.0000	0.0000	0.0000	0.0000	0.1747	0.0000	0.0000	0.0000	0.0000	0.2029	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Cottonwood 12kV	0.0000	-0.0507	-0.0668	0.0014	0.0000	0.0242	-0.0635	-0.0056	0.0011	-0.0004	0.0651	-0.0644	-0.0133	0.0017	0.0000	0.0245	-0.0664	-0.0241	-0.0001	-0.0049	0.0589	-0.0241	-0.0060	0.0000	0.0000					
Court 4.16kV	0.0038	-0.0091	-0.0449	0.0004	0.0008	0.0028	-0.0089	-0.0035	0.0005	0.0001	0.0051	-0.0040	-0.0025	0.0002	0.0000	0.0064	-0.0218	-0.0020	0.0001	-0.0029	0.0175	-0.0060	-0.0004	0.0000	0.0000					
Courtland 16kV	0.0339	-0.0208	-0.0317	0.0047	0.0005	0.0252	-0.0216	-0.0054	0.0004	0.0000	0.0216	-0.0217	-0.0047	0.0008	0.0000	0.0218	-0.0216	-0.0047	0.0000	-0.0001	0.0204	-0.0083	-0.0000	0.0000	0.0000					
Cove 12kV	0.0108	-0.0047	-0.0031	0.0028	0.0009	0.0880	-0.0039	-0.0020	0.0031	-0.0003	0.0311	-0.0043	-0.0011	0.0020	-0.0006	0.1618	-0.0338	-0.0019	-0.0026	0.0048	-0.1733	-0.0023	0.0076	-0.0035						
Coventry 16kV	0.0027	-0.0663	-0.0816	0.0095	0.0015	0.3630	-0.0700	-0.0781	0.0115	-0.0022	0.0657	-0.0718	-0.0262	0.0100	-0.0006	0.0756	-0.0802	-0.0082	0.0041	0.0000	0.1598	-0.0877	-0.0741	0.0184	-0.0004					
Cowview 16kV	0.0243	-0.0971	-0.0202	0.0212	0.0000	0.0181	-0.1033	-0.0122	0.0241	0.0000	0.0330	-0.1052	-0.0054	0.0166	0.0000	0.0379	-0.1515	-0.0114	-0.0388	0.0000	0.0802	-0.1945	-0.0114	0.0279	0.0000					
Cowcatcher 12kV	0.0217	-0.0612	-0.0428	0.0025	0.0016	0.0645	-0.0645	-0.0389	0.0031	-0.0007	0.0222	-0.0652	-0.0142	0.0016	-0.0006	0.0285	-0.0													

Facility	2018					2019					2020					2021					2022					
	EE Demand (MW)	PV (MW) ^{1a}	EE (MW) ^{1b}	EV (MW) ^{1b}	LMDR (MW) ^{1b}	EE Demand (MW)	PV (MW) ^{1b}	EE (MW) ^{1b}	EV (MW) ^{1b}	LMDR (MW) ^{1b}	EE Demand (MW)	PV (MW) ^{2b}	EE (MW) ^{2b}	EV (MW) ^{2b}	LMDR (MW) ^{2b}	EE Demand (MW)	PV (MW) ^{2b}	EE (MW) ^{2b}	EV (MW) ^{2b}	LMDR (MW) ^{2b}	EE Demand (MW)	PV (MW) ^{2b}	EE (MW) ^{2b}	EV (MW) ^{2b}	LMDR (MW) ^{2b}	
Delaware 16kV	0.9492	-0.0442	-0.0670	0.0044	0.0087	0.7586	-0.0493	-0.0671	0.0056	0.0001	0.6926	-0.0529	-0.0681	0.0066	-0.0161	0.0171	-0.0581	-0.0691	0.0013	0.0000	0.0361	-0.027	-0.0367	0.0088	0.0000	
Delco 12kV	0.0000	-0.0429	-0.0157	0.0050	-0.0053	0.1105	-0.0421	-0.0124	0.0056	0.0000	0.0400	-0.0400	-0.0097	0.0036	0.0000	0.0000	-0.0522	-0.0123	-0.0047	-0.0018	0.0000	-0.0643	-0.0117	0.0076	-0.0004	
Delford 16kV	0.0343	-0.0195	-0.0191	0.0026	0.0059	0.0255	-0.0209	-0.0186	0.0030	-0.0014	0.0465	-0.0218	-0.0184	0.0021	0.0003	0.0535	-0.0259	-0.0190	-0.0002	0.0000	0.1130	-0.0306	-0.0176	0.0046	-0.0004	
Delhi 12kV	0.0080	-0.0434	-0.0521	0.0012	0.0047	0.0059	-0.0471	-0.0508	0.0014	0.0108	0.0497	-0.0497	-0.0505	0.0012	0.0007	0.0060	-0.0590	-0.0521	0.0005	0.0000	0.0127	-0.0698	-0.0482	0.0023	0.0000	
Delid 4.16kV	0.0000	-0.0192	-0.0055	0.0026	0.0002	0.0000	-0.0225	-0.0038	0.0029	-0.0001	0.0000	-0.0248	-0.0024	0.0021	0.0000	0.0000	-0.0381	-0.0037	-0.0002	0.0000	0.0000	-0.0509	-0.0036	0.0045	0.0000	
Deloro 12kV	0.0477	-0.0986	-0.0308	0.0034	0.0000	0.0354	-0.0962	-0.0246	0.0038	0.0000	0.0646	-0.0916	-0.0194	0.0025	0.0000	0.0743	-0.1180	-0.0243	-0.0051	0.0000	0.1570	-0.1419	-0.0232	0.0048	0.0000	
Delta 12kV	0.0673	-0.1421	-0.0643	0.0008	0.0000	0.0500	-0.1480	-0.0597	0.0010	0.0000	0.0913	-0.1489	-0.0556	0.0008	0.0000	0.1049	-0.1619	-0.0566	-0.0006	0.0000	0.2217	-0.1707	-0.0557	0.0014	0.0000	
Deluz 12kV	0.0096	-0.0153	-0.0030	0.0007	0.0001	0.0071	-0.0140	-0.0020	0.0008	0.0004	0.0130	-0.0117	-0.0012	0.0005	0.0008	0.0149	-0.0134	-0.0019	-0.0007	0.0004	0.0315	-0.0140	-0.0019	0.0011	-0.0004	
Demaree 12kV	0.0506	-0.0497	-0.0514	0.0019	0.0080	0.0375	-0.0480	-0.0477	0.0021	-0.0022	0.0666	-0.0463	-0.0452	0.0015	-0.0016	0.0788	-0.0505	-0.0486	-0.0002	0.0027	0.1666	-0.0539	-0.0452	0.0033	-0.0013	
Denise 12kV	0.0216	-0.0608	-0.0282	0.0037	0.0160	-0.0614	-0.0244	0.0041	-0.0008	0.0293	-0.0606	-0.0214	0.0029	-0.0003	0.0336	0.0082	-0.0246	-0.0003	-0.0027	0.0711	-0.1005	-0.0231	0.0064	-0.0004		
Denker 4.16kV	0.0000	-0.0256	-0.0069	0.0016	0.0000	-0.0311	-0.0043	0.0048	0.0000	0.0000	-0.0370	-0.0020	0.0037	0.0000	0.0000	-0.0594	-0.0040	0.0105	0.0000	0.0000	-0.0585	-0.0040	0.0066	0.0000		
Dennis 12kV	0.0108	-0.0014	-0.0006	0.0004	0.0000	0.0080	-0.0015	-0.0006	0.0005	0.0000	0.0146	-0.0017	-0.0006	0.0003	0.0000	0.0168	-0.0017	-0.0006	0.0000	0.0000	0.0355	-0.0018	-0.0006	0.0006	0.0000	
Dental 12kV	0.0186	-0.0416	-0.0414	0.0084	0.0000	0.0138	-0.0401	-0.0380	0.0095	-0.0011	0.0252	-0.0386	-0.0355	0.0067	-0.0005	0.0289	-0.0424	-0.0386	-0.0008	0.0018	0.0612	-0.0461	-0.0360	0.0147	-0.0009	
Denver 12kV	0.0324	-0.0179	-0.0094	0.0003	0.0000	0.0240	-0.0199	-0.0090	0.0004	0.0000	0.0439	-0.0207	-0.0087	0.0006	0.0000	0.0505	-0.0274	-0.0092	0.0010	0.0000	0.1066	-0.0323	-0.0085	0.0009	0.0000	
Desdemona 12kV	0.0003	-0.0141	-0.0051	0.0011	0.0000	0.0151	-0.0140	-0.0050	0.0011	0.0000	0.0251	-0.0140	-0.0049	0.0011	0.0000	0.0525	-0.0283	-0.0083	0.0000	0.0000	0.1141	-0.0319	-0.0083	0.0000		
Desford 12kV	0.0016	-0.0600	-0.0067	0.0007	0.0003	0.0012	-0.0431	-0.0051	0.0009	0.0004	0.0023	-0.0363	-0.0037	0.0008	0.0004	0.0025	-0.0422	-0.0050	0.0003	0.0009	0.0553	-0.0450	-0.0048	0.0014	-0.0004	
Desmet 4.16kV	0.0076	-0.0236	-0.0058	0.0024	0.0001	0.0056	-0.0226	-0.0037	0.0000	0.0103	0.0028	-0.0019	0.0019	0.0000	0.0118	0.0279	-0.0035	0.0003	0.0044	0.0341	-0.0035	0.0042	-0.0004			
Desmet 4.16kV	0.0000	-0.0110	-0.0023	0.0007	0.0000	0.0089	-0.0016	0.0008	0.0000	0.0000	-0.0079	-0.0009	0.0005	0.0000	0.0000	-0.0087	-0.0019	0.0013	0.0000	0.0000	-0.0086	0.0015	-0.0009	0.0000		
Desmet Center 12kV	0.0000	-0.0021	-0.0022	0.0000	0.0005	0.0000	-0.0023	-0.0022	0.0000	0.0005	0.0000	-0.0025	0.0000	0.0000	0.0000	-0.0026	-0.0021	0.0000	0.0000	0.0000	-0.0028	-0.0021	0.0000	0.0000		
Desmet Crest 12kV	0.0162	0.0000	0.0000	0.0000	0.0000	0.0120	0.0000	0.0000	0.0001	0.0000	0.0219	0.0000	0.0000	0.0000	0.0000	0.0252	0.0000	0.0000	0.0000	0.0000	0.0533	0.0000	0.0001	0.0000		
Desmond 12kV	1.3604	-0.0122	-0.0216	0.0003	0.0000	0.0127	-0.0137	-0.0221	0.0004	0.0000	0.0232	-0.0149	-0.0230	0.0006	0.0000	0.0267	-0.0155	-0.0229	0.0010	0.0000	0.0564	-0.0163	-0.0210	0.0009	0.0000	
Deselate 12kV	0.0297	-0.0420	-0.0104	0.0004	0.0000	0.0221	-0.0462	-0.0086	0.0004	0.0000	0.0403	-0.0477	-0.0071	0.0003	0.0000	0.0463	-0.0624	-0.0833	0.0000	0.0000	0.0979	-0.0742	-0.0081	0.0000	0.0000	
Desseau 12kV	0.0347	-0.0440	-0.0373	0.0023	0.0133	0.0257	-0.0464	-0.0347	0.0026	0.0000	0.0470	-0.0478	-0.0329	0.0018	0.0003	0.0540	-0.0582	-0.0350	-0.0002	0.0013	0.1141	-0.0697	-0.0238	0.0040	-0.0031	
Deuce 12kV	0.0017	-0.0146	-0.0217	0.0007	0.0000	0.0012	-0.1120	-0.0183	0.0065	0.0000	0.0203	-0.1129	-0.0156	0.0045	0.0000	0.0226	-0.1504	-0.0182	-0.0104	0.0000	0.0055	-0.1804	-0.0173	0.0075	0.0000	
Devils Gate 16kV	0.0730	-0.1181	-0.0630	0.0056	0.0038	0.0542	-0.1222	-0.0058	0.0068	0.0002	0.0990	-0.1224	-0.0545	0.0059	-0.0013	0.1138	-0.1597	-0.0590	0.0024	-0.0018	0.2405	-0.1967	-0.0550	0.0108	-0.0018	
Devine 16kV	0.0027	-0.1545	-0.0356	0.0112	0.0040	0.0360	-0.1492	-0.0294	0.0126	0.0004	0.0657	-0.1378	-0.0244	0.0082	0.0000	0.0266	-0.0756	-0.1747	-0.0294	-0.0105	0.0018	0.1598	-0.2028	-0.0278	0.0171	-0.0004
Devon 12kV	0.0166	-0.0683	-0.0245	0.0032	0.0005	0.0123	-0.0780	-0.0202	0.0039	-0.0007	0.0225	-0.0846	-0.0166	0.0034	-0.0013	0.0259	-0.1219	-0.0201	0.0014	-0.0013	0.0548	-0.1576	-0.0190	0.0063	-0.0027	
Dewitt 16kV	0.0016	-0.0633	-0.0309	0.0033	0.0014	0.0012	-0.0628	-0.0281	0.0037	-0.0003	0.0201	-0.0596	-0.0260	0.0026	-0.0007	0.0222	-0.0723	-0.0285	-0.0003	0.0000	0.0052	-0.0815	-0.0266	0.0057	-0.0018	
Diabat 12kV	0.0397	-0.0001	0.0000	0.0000	0.0000	0.0295	0.0000	0.0000	0.0001	0.0000	0.0538	0.0000	0.0000	0.0000	0.0000	0.0619	0.0000	0.0000	0.0000	0.0000	0.1308	0.0000	0.0001	0.0000		
Diablate 12kV	0.0168	-0.0844	-0.0084	0.0086	0.0001	0.0161	-0.0474	-0.0047	0.0048	0.0000	0.0219	-0.0352	-0.0030	0.0003	0.0000	0.0221	-0.0403	-0.0030	-0.0005	0.0000	0.0533	-0.0440	-0.0028	0.0000	-0.0009	
Dice 33kV	0.0674	-0.0448	-0.0086	0.0051	0.0362	0.0502	-0.0407	0.0105	0.0098	0.0061	0.0518	-0.0376	0.0091	-0.0017	0.0017	0.0652	-0.0413	-0.0397	-0.0037	0.0018	0.1607	-0.0813	-0.0385	0.0158	-0.0032	
Diner 12kV	0.0217	-0.0863	-0.0357	0.0058	0.0074	0.0161	-0.0880	-0.0309	0.0065	-0.0018	0.0285	-0.0872	-0.0271	0.0042	-0.0017	0.0282	-0.1367	-0.0313	-0.0054	0.0000	0.0597	-0.1469	-0.0292	0.0088	-0.0009	
Dingy 12kV	0.0085	-0.0412	-0.0415	0.0042	0.0000	0.0063	-0.0452	-0.0405	0.0056	0.0000	0.0116	-0.0483	-0.0398	0.0080	0.0000	0.0133	-0.0533	-0.0400	0.0016	0.0000	0.0281	-0.0587	0.0089	0.0000	0.0000	
Dinkley Creek 4.16kV	0.0000	-0.0003	0.0004	0.0000	0.0000	0.0000	-0.0003	0.0000	0.0000	0.0000	0.0003	-0.0003	0.0000	0.0000	0.0000	0.0000	-0.0174	-0.0356	-0.0119	0.0000	0.0149	-0.2030	-0.0336	0.0112	0.0000	
Diplomat 12kV	0.1295	-0.0552	-0.0217	0.0043	0.0019	0.0267	-0.0522	-0.0184	0.0049	0.0000	0.0209	-0.0466	-0.0178	0.0043	0.0000	0.0641	-0.0582	-0.0004	0.0000	0.0135	-0.0671					

Facility	2018				2019				2020				2021				2022				
	EE Demand (MW)	PV (MW) ^{1a}	EE (MW) ^{1b}	EV (MW) ^{1b}	LMDR (MW) ^{1b}	EE Demand (MW)	PV (MW) ^{1b}	EE (MW) ^{1b}	EV (MW) ^{1b}	LMDR (MW) ^{1b}	EE Demand (MW)	PV (MW) ^{2b}	EE (MW) ^{2b}	EV (MW) ^{2b}	LMDR (MW) ^{2b}	EE Demand (MW)	PV (MW) ^{2b}	EE (MW) ^{2b}	EV (MW) ^{2b}	LMDR (MW) ^{2b}	
Doris 12kV	0.0056	-0.0446	-0.0279	0.0013	0.0032	0.0042	-0.0454	-0.0260	0.0015	-0.0010	0.0076	-0.0445	-0.0246	0.0013	-0.0021	0.0088	-0.0545	-0.0264	0.0006	0.0004	0.0186
Dorman 12kV	0.0107	-0.0594	-0.0704	0.0022	0.0075	0.0079	-0.0591	-0.0697	0.0028	0.0144	-0.0589	-0.0699	0.0034	0.0016	0.0166	-0.0614	-0.0712	0.0007	0.0000	0.0351	-0.0640
Dornes 12kV	0.0168	-0.0751	-0.0476	0.0040	0.0075	0.0125	-0.0793	-0.0419	0.0048	-0.0009	0.0228	-0.0818	-0.0373	0.0042	-0.0017	0.0262	-0.1084	-0.0417	0.0017	0.0031	0.0554
Dorf 12kV	0.0384	-0.0949	-0.0185	0.0018	0.0004	0.0285	-0.0757	-0.0136	0.0020	0.0004	0.0520	-0.0574	-0.0095	0.0014	-0.0013	0.0598	-0.0606	-0.0133	-0.0002	0.0000	0.1263
Dorsley 12kV	0.0227	-0.1076	-0.0479	0.0022	0.0006	0.0140	-0.1045	-0.0431	0.0026	-0.0003	0.0256	-0.0993	-0.0394	0.0023	-0.0016	0.0295	-0.1202	-0.0436	0.0009	-0.018	0.0623
Dot 4 16kV	0.0021	-0.0428	-0.0065	0.0012	0.0004	0.0016	-0.0450	-0.0046	0.0014	-0.0004	0.0029	-0.0439	-0.0029	0.0010	0.0000	0.0033	-0.0578	-0.0044	-0.0001	0.0000	0.0669
Dover 4.16kV	0.0000	-0.0297	-0.0077	0.0018	0.0000	0.0000	-0.036	-0.0044	0.0022	0.0000	0.0000	-0.0359	-0.0015	0.0016	0.0000	0.0000	-0.0542	-0.0040	-0.0014	0.0000	0.0000
Dowell 4.16kV	0.0039	-0.0357	-0.0046	0.0038	0.0000	0.0029	-0.0353	-0.0026	0.0047	0.0000	0.0052	-0.0328	-0.0009	0.0035	0.0000	0.0060	-0.0423	-0.0024	-0.0029	0.0000	0.0127
Doyle 4.16kV	0.0057	-0.0122	-0.0033	0.0036	0.0000	0.0042	-0.0119	-0.0019	0.0041	0.0000	0.0077	-0.0113	-0.0007	0.0028	0.0000	0.0089	-0.0156	-0.0018	-0.0065	0.0000	0.0187
Dozier 16kV	0.0000	-0.0076	-0.0027	0.0005	0.0000	0.0000	-0.0093	-0.0018	0.0006	0.0000	0.0109	-0.0010	-0.0005	0.0000	0.0000	-0.0175	-0.0017	-0.0004	0.0000	0.0252	
Drachma 12kV	0.1738	-0.2276	-0.0827	0.0012	0.0022	0.0362	-0.2436	-0.0814	0.0015	-0.0004	0.0661	-0.2381	-0.0815	0.0013	0.0007	0.0760	-0.3004	-0.0837	0.0005	0.0000	0.1607
Drag 12kV	0.1304	-0.0453	-0.0511	0.0003	0.0030	0.0107	-0.0475	-0.0510	0.0003	0.0195	-0.0486	-0.0517	0.0003	-0.0003	0.0224	-0.0548	-0.0525	0.0001	-0.0013	0.0474	-0.0608
Dragon 12kV	0.0177	-0.0380	-0.0378	0.0002	0.0000	0.0132	-0.0424	-0.0375	0.0002	0.0040	-0.0453	-0.0375	0.0003	0.0000	0.0276	-0.0494	-0.0375	0.0001	0.0000	0.0584	-0.0534
Drake 12kV	0.1544	-0.0286	-0.0100	0.0001	0.0000	0.0593	-0.0292	-0.0088	0.0001	0.0000	0.0585	-0.0294	-0.0079	0.0001	0.0000	0.0673	-0.0327	-0.0088	0.0000	0.0106	0.0344
Drambuie 12kV	0.0061	-0.0251	-0.0063	0.0013	0.0001	0.0171	-0.0290	-0.0061	0.0001	0.0000	0.0328	-0.0306	-0.0059	0.0001	0.0000	0.0640	-0.0375	-0.0081	0.0000	0.0114	0.0353
Dredge 12kV	0.1270	-0.0961	-0.0687	0.0008	0.0032	0.0111	-0.0651	-0.0685	0.0010	-0.0008	0.0028	-0.0718	-0.0695	0.0014	0.0005	0.0234	-0.0747	-0.0670	0.0033	0.0000	0.0649
Dresser 12kV	0.0097	-0.0558	-0.0406	0.0002	0.0137	0.0072	-0.0389	-0.0413	0.0003	0.0132	-0.0313	-0.0425	0.0003	0.0000	0.0152	-0.0328	-0.0424	0.0001	0.0000	0.0311	-0.0347
Dreyer 12kV	0.0040	-0.0522	-0.0201	0.0044	0.0005	0.0303	-0.0494	-0.0211	0.0054	0.0004	0.0544	-0.0454	-0.0052	0.0047	0.0005	0.0603	-0.0601	-0.0113	0.0019	-0.0004	0.0131
Drift 12kV	0.0161	-0.0870	-0.1142	0.0012	0.0032	0.0120	-0.0970	-0.1145	0.0015	-0.0002	0.0218	-0.1055	-0.1164	0.0020	-0.0016	0.0251	-0.1248	-0.1178	0.0047	0.0000	0.0530
Driftwood 12kV	0.0000	-0.1065	-0.0466	0.0271	0.0043	0.0000	-0.1086	-0.0388	0.0006	0.0003	-0.1081	-0.0324	0.0198	-0.0108	0.0000	-0.1454	-0.0388	-0.0255	-0.0035	0.0000	-0.1850
Droll 4 16kV	0.0032	-0.0258	-0.0029	0.0015	0.0000	0.0024	-0.0231	-0.0019	0.0017	0.0000	0.0044	-0.0183	-0.0011	0.0012	0.0000	0.0050	-0.0203	-0.0018	-0.0027	0.0000	0.0106
Droll 12kV	0.0000	-0.0509	-0.0238	0.0052	0.0024	0.2083	-0.0497	-0.0186	0.0059	-0.0013	0.0000	-0.0475	-0.0143	0.0041	-0.0005	0.0000	-0.0615	-0.0183	-0.0005	-0.0004	0.0000
Driski 16kV	0.0032	-0.1528	-0.0314	0.0261	0.0000	0.0024	-0.1414	-0.0237	0.0293	0.0000	0.0043	-0.1234	0.0194	0.0000	0.0049	0.1413	-0.0213	-0.0389	0.0000	0.0104	-0.1455
Drive Inn 12kV	0.0000	-0.0289	-0.0092	0.0038	0.0000	0.0266	-0.0601	-0.0047	0.0000	0.0000	0.0240	-0.0404	-0.0034	0.0005	0.0000	0.0294	-0.058	-0.0029	0.0000	0.0000	-0.0338
Driver 12kV	0.3469	-0.0448	-0.0214	0.0008	0.0000	0.1242	-0.0473	-0.0199	0.0009	0.0000	0.0600	-0.0482	-0.0186	0.0006	0.0000	0.0379	-0.0527	-0.0195	0.0000	0.0040	-0.0559
Droid 12kV	0.0160	-0.0740	-0.0217	0.0043	0.0008	0.0119	-0.0674	-0.0170	0.0048	-0.0012	0.0217	-0.0600	-0.0131	0.0031	-0.0011	0.0250	-0.0738	-0.0168	-0.0040	0.0040	-0.0845
Drone 12kV	0.0161	-0.1021	-0.0270	0.0070	0.0006	0.0120	-0.0922	-0.0218	0.0079	0.0025	0.0219	-0.0808	-0.0174	0.0056	-0.0025	0.0251	-0.0965	-0.0216	-0.0006	0.0022	-0.1078
Drum 12kV	0.0045	-0.0386	-0.0124	0.0048	0.0006	0.0034	-0.0401	-0.0091	0.0054	-0.0014	0.0061	-0.0403	-0.0064	0.0035	-0.0007	0.0071	-0.0567	-0.0089	-0.0045	0.0018	-0.0738
Dry Canyon 16kV	0.0073	-0.1062	-0.0829	0.0020	-0.0041	0.0054	-0.1089	-0.0817	0.0022	0.0005	-0.1075	-0.0820	0.0016	-0.0025	0.0104	-0.1247	-0.0841	-0.0002	0.0000	0.0188	
Ducat 12kV	0.0488	-0.0269	-0.0412	0.0119	-0.0199	0.0362	-0.0295	-0.0184	0.0144	0.0002	0.0661	-0.0313	-0.0366	0.0125	-0.0005	0.0760	-0.0358	-0.0392	0.0051	0.0000	-0.0474
Ducor 12kV	0.1446	-0.0219	-0.0060	0.0000	0.0000	0.0627	-0.0203	-0.0045	0.0000	0.0000	0.0849	-0.0181	-0.0032	0.0000	0.0000	0.0976	-0.0202	-0.0043	0.0000	0.0000	0.0262
Duda 12kV	0.0290	-0.0516	-0.0683	0.0017	0.0045	0.0215	-0.0569	-0.0187	0.0019	-0.0002	0.0392	-0.0590	-0.0171	0.0013	-0.0012	0.0451	-0.0655	-0.0709	-0.0002	0.0000	0.0954
Duffer 16kV	0.2278	-0.1518	-0.0667	0.0075	0.0092	0.0024	-0.1444	-0.0626	0.008	0.0043	-0.1303	-0.0590	0.0060	-0.0003	0.0013	-0.1462	-0.0539	-0.0007	-0.0013	0.0104	-0.1504
Duke 12kV	0.6368	-0.0658	-0.0478	0.0041	0.0024	0.0329	-0.0636	-0.0459	0.0047	-0.0006	0.0788	-0.0606	-0.0449	0.0033	-0.0005	0.0650	-0.0697	-0.0470	-0.0004	0.0133	-0.0435
Dumas 12kV	0.3238	-0.0300	-0.0369	0.0008	0.0088	0.0065	-0.0395	-0.0373	0.0009	0.0119	-0.0357	-0.0381	0.0006	-0.0009	0.0137	-0.0398	-0.0383	-0.0007	0.0000	0.0290	
Dunbar 4 16kV	0.0000	-0.0186	-0.0091	0.0007	0.0000	0.0056	-0.0150	-0.0059	0.0003	0.0001	0.0053	-0.0167	-0.0056	0.0004	-0.0001	0.0071	-0.0368	-0.0203	0.0001	0.0000	0.0125
Dunbar 12kV	0.0457	-0.0163	-0.0203	0.0003	0.0019	0.0047	-0.0238	-0.0098	0.0003	0.0003	0.0053	-0.0167	-0.0056	0.0005	-0.0001	0.0078	-0.0363	-0.0203	0.0001	0.0000	0.0169
Dungo 12kV	0.0673	-0.0850	-0.0279	0.0096	0.0052	0.0500	-0.0815	-0.0255	0.0007	0.0013	0.0748	-0.0237	0.0005	-0.0009	0.0104	-0.0857	-0.0259	0.0001	-0.0013	0.0231	
Dunrig 12kV	0.0432	-0.0999	-0.0340	0.0056	0.0037	0.0320	-0.0941	-0.0308	0.0003	0.0025	0.0325	-0.0933	-0.0240	0.0003	-0.0009	0.0573	-0.1094	-0.0283	0.0002	0.0021	-0.1204
Dunning 12kV	1.9200	-0.0944	-0.0372	0.0006	0.0036	0.0394	-0.0356	-0.0008	0.0004	0.0000	-0.0420	-0.0366	0.0007	-0.0001	0.0542	-0.0376	-0.0003	0.0000	0.0000	-0.0347	
Dunning 16kV	0.0238	-0.0803	-0.0275	0.0070	0.0000	0.0176	-0.0754	-0.0225	0.0079	0.0022	-0.0710	-0.0184	0.0052	0.0000	0.0370	-0.0880	-0.0224	0.0000	0.0000	-0.0782	
Dunrobin 4.16kV	0.0040	-0.0275	-0.0066	0.0113	0.0003	0.0296	-0.0481	-0.0041	0.0013	-0.0011	0.0212	-0.0020	0.0011	-0.0001	0.0222	-0.0426	-0.0020	-0.0001	0.0132		

Facility	2018				2019				2020				2021				2022				
	Le Demand (MW)	PV (MW) ^{1a}	EE (MW) ^{1b}	EV (MW) ^{1b}	LMDR (MW) ^{1b}	Le Demand (MW)	PV (MW) ^{1b}	EE (MW) ^{1b}	EV (MW) ^{1b}	LMDR (MW) ^{1b}	Le Demand (MW)	PV (MW) ^{2b}	EE (MW) ^{2b}	EV (MW) ^{2b}	LMDR (MW) ^{2b}	Le Demand (MW)	PV (MW) ^{2b}	EE (MW) ^{2b}	EV (MW) ^{2b}	LMDR (MW) ^{2b}	
Egan 4.16kV	0.0076	-0.0074	-0.0047	0.0002	0.0017	0.0056	-0.0070	-0.0045	0.0002	0.0001	0.0000	-0.0065	-0.0043	0.0003	-0.0001	0.0000	-0.0076	0.0000	0.0001	0.0000	
Egmont 12kV	0.0000	-0.0378	-0.0304	0.0041	0.0016	0.0000	-0.0397	-0.0275	0.0046	0.0000	0.0000	-0.0408	-0.0253	0.0032	-0.0001	0.0000	-0.0524	-0.0279	-0.0004	-0.0004	
Eighteenth 12kV	0.0100	-0.0090	-0.0018	0.0011	0.0010	0.0074	-0.0080	-0.0012	0.0012	-0.0004	0.0136	-0.0066	-0.0008	0.0008	0.0002	0.0156	-0.0074	-0.0012	-0.0010	-0.0030	
El Camino 4.16kV	0.0000	-0.0045	-0.0074	0.0004	0.0000	0.0000	-0.0049	-0.0075	0.0004	0.0003	0.0000	-0.0052	-0.0076	0.0003	-0.0004	0.0000	-0.0054	-0.0077	0.0000	-0.0057	
El Centro 4.16kV	0.0000	-0.0195	-0.0095	0.0037	0.0004	0.0000	-0.0201	-0.0086	0.0041	-0.0001	0.0000	-0.0193	-0.0079	0.0029	0.0000	0.0000	-0.0231	-0.0087	-0.0003	0.0000	
El Mirador 12kV	0.9296	-0.0386	-0.0042	0.0004	0.0000	0.0641	-0.0356	-0.0031	0.0007	0.0000	0.1170	-0.0310	-0.0022	0.0009	0.0000	0.1345	-0.0367	-0.0030	0.0032	0.0000	
El Monte 4.16kV	0.0027	-0.0182	-0.0054	0.0006	0.0000	0.0020	-0.0218	-0.0033	0.0020	0.0000	0.0037	-0.0244	-0.0014	0.0015	0.0000	0.0042	-0.0379	-0.0030	0.0043	0.0000	
El Paseo 4.16kV	0.0059	-0.0276	-0.0042	0.0084	0.0000	0.0044	-0.0299	-0.0026	0.0095	0.0000	0.0080	-0.0299	-0.0012	0.0062	0.0000	0.0092	-0.0410	-0.0024	-0.0125	0.0000	
El Toro 12kV	0.0140	-0.0592	-0.0233	0.0118	-0.0004	0.0104	-0.0553	-0.0164	0.0134	-0.0004	0.0190	-0.0502	-0.0105	0.0095	-0.0008	0.0219	-0.0641	-0.0158	-0.0011	0.0022	
Elaine 2.4kV	0.0000	-0.0011	-0.0002	0.0002	0.0000	0.0000	-0.0012	-0.0001	0.0003	0.0000	0.0000	-0.0012	0.0000	0.0002	0.0000	0.0000	-0.0017	0.0001	-0.0002	0.0000	
Elden 12kV	0.1241	-0.0982	-0.0238	0.0193	0.0000	0.0104	-0.0958	-0.0151	0.0237	0.0000	0.0190	-0.0891	-0.0076	0.0176	0.0000	0.0219	-0.1153	-0.0142	-0.0144	0.0000	
Elder 12kV	0.2979	-0.0518	-0.0287	0.0007	0.0037	0.0144	-0.0519	-0.0245	0.0068	-0.0001	0.0263	-0.0508	-0.0211	0.0007	-0.0008	0.0603	-0.0659	-0.0245	0.0003	-0.0013	
Elridge 4.16kV	0.0110	-0.0206	-0.0075	0.0030	0.0000	0.0082	-0.0207	-0.0042	0.0037	0.0000	0.0149	-0.0199	-0.0014	0.0028	0.0000	0.0171	-0.0270	-0.0039	-0.0023	0.0000	
Eleanor 12kV	0.0216	-0.0633	-0.0260	0.0050	0.0016	0.0160	-0.0652	-0.0196	0.0056	-0.0177	0.0293	-0.0657	-0.0143	0.0036	-0.0016	0.0336	-0.0922	-0.0193	-0.0047	-0.0035	
Electra 16kV	0.0000	-0.0045	-0.0011	0.0001	0.0000	0.0000	-0.0045	0.0000	0.0000	0.0000	0.0000	-0.0045	0.0000	0.0000	0.0000	0.0000	-0.0045	0.0000	0.0000	0.0000	
Electra 4.16kV	0.0091	-0.0171	-0.0081	0.0007	0.0071	0.0069	-0.0176	-0.0019	0.0069	0.0000	0.0109	-0.0172	-0.0160	0.0068	0.0000	0.0125	-0.0897	-0.0003	0.0055	-0.0193	
Elementary 4.16kV	0.0000	-0.0039	-0.0013	0.0010	0.0000	0.0000	-0.0040	-0.0008	0.0012	0.0000	0.0000	-0.0040	-0.0003	0.0008	0.0000	0.0050	-0.0007	0.0001	0.0000	0.0000	
Elephant 12kV	0.0000	-0.0500	-0.0771	0.0013	-0.0054	0.2948	-0.0551	-0.0777	0.0017	-0.0003	0.0080	-0.0567	-0.0793	0.0200	-0.0008	0.0093	-0.0640	-0.0801	0.0004	0.0194	-0.0694
Elevado 4.16kV	0.0100	-0.0058	-0.0048	0.0003	0.0000	0.0074	-0.0061	-0.0028	0.0003	0.0001	0.0135	-0.0060	-0.0010	0.0003	0.0000	0.0155	-0.0087	-0.0025	0.0001	-0.0110	
Elgin 4.16kV	0.0049	-0.0095	-0.0029	0.0041	-0.0004	0.0036	-0.0107	-0.0016	0.0047	-0.0004	0.0067	-0.0114	-0.0005	0.0030	0.0000	0.0077	-0.0169	-0.0015	0.0062	-0.0223	
Elliott 4.8kV	0.0000	-0.0187	-0.0036	0.0001	-0.0002	0.0000	-0.0162	-0.0022	0.0001	-0.0001	0.0130	-0.0130	-0.0010	0.0001	0.0000	-0.0147	-0.0020	0.0000	-0.0009	0.0000	
Elik 12kV	0.0571	-0.0129	-0.0047	0.0005	0.0000	0.0424	-0.0141	-0.0047	0.0004	0.0000	0.0774	-0.0150	-0.0046	0.0012	0.0000	0.0890	-0.0159	-0.0047	0.0031	0.0000	
Elko 4.16kV	0.0038	-0.0115	-0.0041	0.0033	0.0000	0.0029	-0.0105	-0.0028	0.0041	0.0000	0.0052	-0.0098	-0.0018	0.0030	0.0000	0.0050	-0.0098	-0.0022	0.0000	-0.0126	
Elkport 12kV	0.7150	-0.0851	-0.0309	0.0086	0.0000	0.6153	-0.0904	-0.0256	0.0096	0.0000	0.4508	-0.0940	-0.0213	0.0064	0.0000	0.6688	-0.1297	-0.0256	0.0000	-0.1454	
Ellenwood 16kV	0.2233	-0.0305	-0.0339	0.0029	0.0000	0.0173	-0.0330	-0.0330	0.0038	0.0000	0.0315	-0.0347	-0.0236	0.0055	0.0000	0.0362	-0.0417	-0.0338	0.0011	0.0000	
Ellington 12kV	0.1123	-0.1107	-0.0258	0.0007	0.0049	0.0321	-0.1063	-0.0214	0.0008	-0.0059	0.0330	-0.0599	-0.0177	0.0005	-0.0025	0.0379	-0.1157	-0.0213	-0.0007	-0.062	
Elliot 4.16kV	0.0032	-0.0200	-0.0070	0.0008	0.0026	0.0024	-0.0222	-0.0059	0.0009	0.0003	0.0044	-0.0232	-0.0050	0.0006	-0.0010	0.0500	-0.0323	-0.0059	0.0000	0.0106	
Ellin 4.16kV	0.0000	-0.0087	-0.0020	0.0001	0.0000	0.0000	-0.0077	-0.0016	0.0001	0.0000	0.0000	-0.0064	-0.0013	0.0002	0.0000	0.0000	-0.0070	0.0000	-0.0015	0.0003	
Elmer 16kV	0.0146	-0.0651	-0.0319	0.0104	-0.0064	0.0108	-0.0657	-0.0274	0.0118	-0.0016	0.0198	-0.0661	-0.0238	0.0083	-0.0001	0.0228	-0.0888	-0.0275	-0.0009	-0.0133	
Elmira 4.16kV	0.0030	-0.0178	-0.0053	0.0037	0.0000	0.0023	-0.0192	-0.0041	0.0000	0.0041	0.0109	-0.0212	-0.0081	0.0030	0.0000	0.0282	-0.0828	-0.0208	-0.0003	0.0004	
Elmo 12kV	0.3056	-0.0804	-0.0041	0.0001	0.0000	0.0513	-0.0894	-0.0041	0.0001	0.0000	0.0439	-0.1020	-0.0041	0.0001	0.0000	0.0505	-0.108	-0.0041	0.0001	0.0000	
Elowin 12kV	0.0506	-0.0548	-0.0378	0.0020	0.0022	0.0375	-0.0510	-0.0328	0.0022	-0.0025	0.0668	-0.0471	-0.0289	0.0016	-0.0026	0.0788	-0.0547	-0.0331	-0.0002	-0.058	
Elpac 12kV	0.0240	-0.1099	-0.0353	0.0008	0.0009	0.0178	-0.0223	-0.0362	0.0010	0.0000	0.0325	-0.0242	-0.0376	0.0008	0.0001	0.0407	-0.0252	-0.0375	0.0003	0.0000	
Elprado 12kV	0.1619	-0.0623	-0.0135	0.0075	0.0005	0.1201	-0.0612	-0.0095	0.0085	-0.0073	0.0322	-0.0585	-0.0061	0.0060	-0.0003	0.0370	-0.0801	-0.0092	-0.0035	0.0000	
Eroy 16kV	0.0219	-0.0536	-0.0715	0.0020	-0.0089	0.0163	-0.0600	-0.0718	0.0025	-0.0096	0.0366	-0.0483	-0.0048	0.0017	0.0000	0.0420	-0.0542	-0.0217	-0.0040	-0.0006	
Esport 12kV	0.0000	-0.0270	-0.0084	0.0018	0.0000	0.0000	-0.0269	-0.0089	0.0000	0.0000	0.0000	-0.0322	-0.0164	0.0008	0.0000	0.0000	-0.0346	-0.0165	-0.0001	0.0000	
Espresso 12kV	0.0438	-0.0527	-0.0747	0.0002	-0.0053	0.0325	-0.0595	-0.0753	0.0003	-0.0094	0.0594	-0.0651	-0.0768	0.0004	-0.0003	0.0683	-0.0724	-0.0769	0.0009	-0.0443	
Encanto 16kV	0.0265	-0.0990	-0.0508	0.0090	0.0016	0.0850	-0.0403	-0.0437	0.0010	0.0000	0.0359	-0.0718	-0.0382	0.0067	0.0000	0.0344	-0.0734	-0.0440	-0.0000	0.0000	
Enchanted 16kV	0.0730	-0.0543	-0.0651	0.0019	0.0000	0.1084	-0.0584	-0.0656	0.0023	0.0003	0.2968	-0.0610	-0.0670	0.0032	0.0000	0.1092	-0.0665	-0.0762	0.0053	0.0000	
Ercina 4.16kV	0.0000	-0.0010	-0.0002	0.0002	0.0000	0.0000	-0.0010	-0.0001	0.0002	0.0000	0.0000	-0.0010	-0.0008	0.0000	0.0000	0.0000	-0.0035	0.0000	-0.0006	0.0000	
Endicott 4.16kV	0.0000	-0.0176	-0.0035	0.0052	0.0000	0.0000	-0.0191	-0.0021	0.0058	0.0000	0.0000	-0.0202	-0.0000	0.0038	0.0000	0.0000	-0.0306	-0.0019	-0.0077	0.0000	
Endor 12kV	0.0160	-0.0452	-0.0129	0.0019	0.0000	0.0119	-0.0452	-0.0046	0.0015	-0.0025	0.0117	-0.0468	-0.0051	0.0013	-0.0015	0.0492	-0.0665	-0.0005	-0.0022	0.0284	
Energy 12kV	0.0217	-0.125	-0.0193	0.0004	0.0161	-0.0139	-0.0196	0.0005	0.0000	0.0285	-0.0151	-0.0202	0.0007	0.0000	0.0336	-0.0157	-0.0201	0.0012	0.0000	0.0710	
England 4.16kV	0.0023	-0.0050	-0.0012	0.0031	0.0000	0.0017															

Facility	2018					2019					2020					2021					2022				
	ee Demand (MW)	PV (MW) ^{1a}	EE (MW) ^{1b}	EV (MW) ^{1c}	LMDR (MW) ^{1d}	ee Demand (MW)	PV (MW) ^{1e}	EE (MW) ^{1f}	EV (MW) ^{1g}	LMDR (MW) ^{1h}	ee Demand (MW)	PV (MW) ¹ⁱ	EE (MW) ^{1j}	EV (MW) ^{1k}	LMDR (MW) ^{1l}	ee Demand (MW)	PV (MW) ^{1m}	EE (MW) ¹ⁿ	EV (MW) ^{1o}	LMDR (MW) ^{1p}	ee Demand (MW)	PV (MW) ^{1q}	EE (MW) ^{1r}	EV (MW) ^{1s}	LMDR (MW) ^{1t}
Ecline 16kV	0.0313	-0.1025	-0.0419	0.0054	0.0041	0.0232	-0.1193	-0.0372	0.0060	-0.0006	0.0242	-0.1317	-0.0334	0.0039	-0.0017	0.0488	-0.1863	-0.0373	-0.0050	0.0004	0.1031	-0.2397	-0.0354	0.0082	-0.0004
Explorer 12kV	1.2846	-0.0343	-0.0500	0.0017	0.0093	0.0034	-0.0384	-0.0506	0.0021	0.0003	0.0062	-0.0417	-0.0518	0.0029	-0.0001	0.0071	-0.0434	-0.0514	0.0069	0.0000	0.0150	-0.0457	-0.0479	0.0050	0.0000
Expo 4.16kV	0.0027	-0.0182	-0.0058	0.0004	0.0010	0.0020	-0.0214	-0.0044	0.0005	-0.0006	0.0037	-0.0236	-0.0032	0.0003	0.0001	0.0042	-0.0355	-0.0043	-0.0004	0.0000	0.0089	-0.0472	-0.0041	0.0006	0.0000
Express 33kV	0.0338	0.0000	0.0000	0.0004	0.0000	0.0251	0.0000	0.0000	0.0005	0.0000	0.0458	0.0000	0.0000	0.0003	0.0000	0.0526	0.0000	0.0000	0.0000	0.0000	0.1112	0.0000	0.0000	0.0007	0.0000
Extinctioner 12kV	0.0363	-0.0331	-0.0556	0.0001	0.0047	0.0269	-0.0371	-0.0569	0.0002	-0.0012	0.0491	-0.0402	-0.0587	0.0002	0.0007	0.0565	-0.0418	-0.0585	0.0005	0.0000	0.1194	-0.0441	-0.0540	0.0004	0.0000
Ezra 4.16kV	0.0076	-0.0352	-0.0663	0.0024	0.0000	0.0056	-0.0416	-0.0039	0.0029	0.0000	0.0103	-0.0461	-0.0019	0.0022	0.0000	0.0118	-0.0711	-0.037	-0.0018	0.0000	0.0249	-0.057	-0.0036	0.0038	0.0000
Facemask 12kV	0.0089	-0.0394	-0.0276	0.0016	0.0015	0.0066	-0.0364	-0.0240	0.0019	-0.0001	0.0120	-0.0332	-0.0213	0.0017	-0.0003	0.0138	-0.0379	-0.0242	0.0007	0.0000	0.0292	-0.0416	-0.0227	0.0031	-0.0018
Factor 16kV	0.0433	-0.0528	-0.0618	0.0011	-0.0019	0.0321	-0.0588	-0.0613	0.0014	-0.0004	0.0587	-0.0632	-0.0614	0.0019	0.0002	0.0675	-0.0682	-0.0614	0.0045	0.0000	0.1426	-0.0731	-0.0578	0.0033	0.0000
Factory 12kV	0.0238	-0.0321	-0.0414	0.0005	0.0000	0.0176	-0.0359	-0.0416	0.0006	0.0000	0.0322	-0.0390	-0.0421	0.0008	0.0000	0.0370	-0.0406	-0.0417	0.0004	0.0000	0.0782	-0.0428	-0.0392	0.0010	0.0000
Faculty 4.16kV	0.0060	-0.0235	-0.0050	0.0014	0.0000	0.0239	-0.0028	0.0017	0.0000	0.0081	-0.0237	-0.0009	0.0014	0.0000	0.0348	-0.026	0.0006	0.0000	0.0196	0.0000	0.0468	-0.0026	0.0027	-0.0004	0.0000
Fagan 12kV	0.0299	-0.0342	-0.0357	0.0015	0.0000	0.0222	-0.0370	-0.0349	0.0018	0.0000	0.0405	-0.0390	-0.0346	0.0026	0.0000	0.0465	-0.0457	-0.0354	0.0043	0.0000	0.0984	-0.0533	-0.0330	0.0040	0.0000
Fair Acres 4.16kV	0.0000	-0.0106	-0.0032	0.0032	0.0000	0.0103	-0.0023	0.0039	0.0000	0.0000	-0.0096	-0.0015	0.0029	0.0000	0.0000	0.0114	-0.0023	-0.0024	0.0000	0.0000	0.0124	-0.0021	0.0051	0.0000	0.0000
Fairbanks 4.16kV	0.0021	-0.0179	-0.0044	0.0024	0.0000	0.0016	-0.0209	-0.0030	0.0030	0.0000	0.0029	-0.0226	-0.0018	0.0022	0.0000	0.0033	-0.0338	-0.0029	0.0007	0.0000	0.0070	-0.0028	0.0039	0.0000	0.0000
Fairburn 12kV	0.0000	-0.0279	0.0000	0.0000	0.0000	0.0273	0.0000	0.0000	0.0000	0.0000	-0.0260	0.0000	0.0000	0.0000	0.0000	-0.0359	0.0000	0.0000	0.0000	0.0000	-0.0456	0.0000	0.0000	0.0000	0.0000
Fairhaven 12kV	0.0000	-0.0161	-0.0031	0.0031	0.0000	0.0103	-0.0201	-0.0030	0.0030	0.0000	-0.0083	-0.0007	0.0000	0.0000	0.0000	-0.0089	-0.0012	0.0000	0.0000	0.0000	-0.0086	0.0012	0.0001	0.0004	0.0000
Fairland 4.16kV	0.0000	-0.0137	-0.0019	0.0001	0.0000	0.0109	-0.0213	-0.0013	0.0001	0.0000	-0.0083	-0.0007	0.0000	0.0000	0.0000	-0.0089	-0.0012	0.0000	0.0000	0.0000	-0.0086	0.0012	0.0001	0.0004	0.0000
Fairman 12kV	0.0188	-0.0384	-0.0355	0.0042	0.0034	0.0140	-0.0298	-0.0252	0.0048	0.0002	0.0255	-0.0307	-0.0253	0.0034	0.0003	0.0293	-0.0361	-0.0250	0.0004	0.0000	0.0620	-0.0415	-0.0239	0.0074	0.0000
Fairmont 12kV	0.0110	-0.0208	-0.0010	0.0010	0.0000	0.0081	-0.0207	-0.0008	0.0012	0.0000	0.0149	-0.0206	-0.0006	0.0017	0.0000	0.0171	-0.0209	-0.0008	0.0028	0.0000	0.0361	-0.0032	-0.0008	0.0026	0.0000
Fairplex 12kV	0.0000	-0.0152	-0.0143	0.0015	0.0000	0.0170	-0.0146	0.0000	0.0000	0.0000	-0.0184	-0.0152	0.0012	0.0000	0.0000	-0.0192	-0.0152	-0.0027	0.0000	0.0000	-0.0202	-0.0139	0.0020	0.0000	0.0000
Fairway 12kV	0.0045	-0.0706	-0.0351	0.0076	0.0030	0.0334	-0.0680	-0.0193	0.0086	-0.0019	0.0661	-0.0838	-0.0144	0.0061	0.0001	0.0787	-0.1903	-0.0007	-0.0133	0.0049	-0.0101	-0.0182	0.0133	-0.0009	0.0000
Falcon 4.16kV	0.0047	-0.0309	-0.0043	0.0011	0.0000	0.0035	-0.0045	0.0027	0.0013	0.0000	0.0604	-0.0050	-0.0013	0.0010	0.0000	0.0073	-0.0025	-0.0008	0.0000	0.0155	-0.0025	0.0017	0.0000	0.0000	
Fallis 4.16kV	0.0040	-0.0308	-0.0050	0.0003	0.0000	0.0209	-0.0042	-0.0002	0.0003	0.0002	0.0054	-0.0042	-0.0004	0.0003	0.0000	0.0052	-0.0052	-0.0005	0.0000	0.0000	-0.0057	-0.0048	0.0005	0.0000	0.0000
Fallon 12kV	0.0168	-0.0892	-0.0289	0.0056	0.0029	0.0125	-0.0941	-0.0247	0.0064	0.0000	0.0228	-0.0959	-0.0213	0.0045	0.0000	0.0262	-0.1354	-0.0248	-0.0005	-0.018	0.0554	-0.1753	-0.0233	0.0098	-0.0031
Falls 2.4kV	0.0000	-0.0001	0.0000	0.0001	0.0000	0.0000	-0.0001	0.0000	0.0000	0.0000	-0.0001	0.0000	-0.0001	0.0000	0.0000	-0.0002	0.0000	-0.0001	0.0000	0.0000	-0.0003	0.0000	0.0001	0.0000	0.0000
Famous 33kV	0.0035	0.0000	0.0000	0.0001	0.0000	0.0026	0.0000	0.0000	0.0000	0.0000	0.0047	0.0000	0.0000	0.0000	0.0000	0.0054	0.0000	0.0000	0.0000	0.0000	0.0115	0.0000	0.0000	0.0000	0.0000
Fano 12kV	0.0182	-0.0993	-0.0172	0.0102	0.0009	0.0135	-0.0984	-0.0111	0.0115	0.0008	0.0246	-0.0930	-0.0058	0.0075	0.0005	0.0283	-0.1233	-0.0105	-0.0096	0.0022	0.0598	-0.1479	-0.0104	0.0156	-0.0018
Fantal 16kV	0.0495	-0.0263	-0.0422	0.0235	0.0000	0.3684	-0.0295	-0.0352	0.0267	0.0000	0.0320	-0.0296	0.0184	0.0000	0.0000	0.0333	-0.0353	0.0040	0.0000	0.0351	-0.0333	0.0309	0.0000	0.0000	0.0000
Fantastic 12kV	0.0454	-0.1315	-0.0270	0.0029	-0.0009	0.0337	-0.1285	-0.0224	0.0033	-0.0008	0.0616	-0.1192	-0.0187	0.0023	0.0002	0.0202	-0.1527	-0.0224	-0.0003	0.0004	0.1496	-0.1765	-0.0212	0.0551	-0.0013
Fanwood 4.16kV	0.0031	-0.0220	-0.0063	0.0037	0.0001	0.0023	-0.0218	-0.0044	0.0042	0.0000	0.0270	-0.0218	-0.0046	0.0008	0.0000	0.0292	-0.1527	-0.0227	-0.0003	0.0004	0.0101	-0.0207	-0.0100	0.0000	0.0000
Farrow 12kV	0.0071	-0.0604	-0.0932	0.0016	0.0013	0.0053	-0.0670	-0.0946	0.0020	0.0003	0.0063	-0.0719	-0.0972	0.0028	0.0013	0.0111	-0.0792	-0.0978	0.0066	0.0000	0.0234	-0.0875	-0.0899	0.0048	0.0000
Farrow 12kV	0.0251	-0.0317	-0.0284	0.0003	0.0000	0.0186	-0.0308	-0.0327	0.0004	0.0000	0.0340	-0.0340	-0.0275	0.0005	0.0000	0.0009	0.0403	-0.0280	0.0012	0.0000	0.0082	-0.0469	-0.0261	0.0009	-0.0013
Farmington 12kV	0.0040	-0.0166	-0.0224	0.0044	0.0001	0.0023	-0.0204	-0.0086	0.0050	0.0000	0.0175	-0.0204	-0.0086	0.0000	0.0000	0.0265	-0.0265	0.0000	0.0000	0.0000	-0.0003	0.0000	0.0000	0.0000	0.0000
Fay 12kV	0.0005	-0.0073	-0.0059	0.0025	0.0001	0.0052	-0.0159	-0.0245	0.0004	0.0000	0.0259	-0.0170	-0.0033	0.0001	0.0000	0.0252	-0.0572	0.0004	0.0000	0.0000	0.0533	-0.1515	-0.0203	0.0000	-0.0009
Feller 12kV	0.0000	-0.0134	-0.0344	0.0018	0.0000	0.0049	-0.0250	0.0022	0.0000	0.0000	-0.0162	-0.0259	0.0027	0.0000	0.0000	0.0169	-0.0259	0.0005	0.0000	0.0000	0.0378	-0.0338	0.0035	0.0000	0.0000
Felicia 12kV	0.0117	-0.0700	-0.0200	0.0218	0.0006	0.0379	-0.0715	-0.0139	0.0246	0.0016	0.0158	-0.0999	-0.0087	0.0159	0.0000										

Facility	2018						2019						2020						2021						2022							
	EE Demand (MW)	PV (MW) ¹⁸	EE (MW) ¹⁸	EV (MW) ¹⁸	LMDR (MW) ¹⁸	EE Demand (MW)	PV (MW) ¹⁹	EE (MW) ¹⁹	EV (MW) ¹⁹	LMDR (MW) ¹⁹	EE Demand (MW)	PV (MW) ²⁰	EE (MW) ²⁰	EV (MW) ²⁰	LMDR (MW) ²⁰	EE Demand (MW)	PV (MW) ²¹	EE (MW) ²¹	EV (MW) ²¹	LMDR (MW) ²¹	EE Demand (MW)	PV (MW) ²²	EE (MW) ²²	EV (MW) ²²	LMDR (MW) ²²							
Fleetwood 12kV	0.1986	-0.0643	-0.0738	0.0005	0.0000	0.0427	-0.0707	-0.0736	0.0006	0.0000	0.0780	-0.0756	-0.0740	0.0009	0.0000	0.0897	-0.0804	-0.0736	0.0004	0.0000	0.1896	-0.0860	-0.0694	0.0011	0.0000	0.3111	-0.0544	-0.0462	0.0000			
Fleming 12kV	0.0091	-0.0411	-0.0462	0.0004	0.0000	0.0078	-0.0386	-0.0488	0.0008	0.0000	0.0128	-0.0420	-0.0494	0.0007	0.0000	0.0147	-0.0427	-0.0429	0.0000	0.0000	0.0250	-0.0250	-0.0250	0.0025	0.0000	0.0250	-0.0250	-0.0250	0.0000			
Flight 12kV	0.0561	-0.0225	-0.0261	0.0013	0.0000	0.0223	-0.0223	-0.0223	0.0006	0.0000	0.0265	-0.0244	-0.0244	0.0014	0.0000	0.0250	-0.0234	-0.0234	0.0005	0.0000	0.0263	-0.0263	-0.0263	0.0025	0.0000	0.0263	-0.0263	-0.0263	0.0000			
Gardendale 12kV	0.0048	-0.0795	-0.0684	0.0046	0.0002	0.0356	-0.0365	-0.0454	0.0052	0.0024	0.0065	-0.0585	-0.0434	0.0037	0.0020	0.0205	-0.0103	-0.0103	0.0005	0.0000	0.0464	-0.0004	-0.0158	0.0013	0.0000	0.0463	-0.0080	-0.0113	0.0000			
Flinttage 14.1kV	0.0000	-0.0273	-0.0047	0.0027	0.0005	0.0000	-0.0282	-0.0208	0.0030	0.0003	0.0000	-0.0269	-0.0012	0.0021	0.0003	0.0000	-0.0300	-0.0026	0.0023	0.0000	0.0000	0.0421	-0.0026	0.0047	0.0000	0.0000	0.0420	-0.0000	0.0000	0.0000		
Floodgate 12kV	0.0536	0.1793	0.0288	0.0152	0.0000	0.0298	0.1712	0.0197	0.0125	0.0000	0.0723	0.1547	0.0119	0.0083	0.0000	0.0286	0.1945	0.0189	0.0168	0.0000	0.1766	0.2028	0.0188	0.0155	0.0000	0.0298	0.1945	0.0189	0.0168	0.0000		
Floral 16kV	0.0000	-0.0772	-0.0525	0.0047	0.0019	0.0000	-0.0905	-0.0488	0.0057	0.0019	0.0000	-0.1008	-0.0463	0.0050	0.0000	0.0000	-0.0426	-0.0495	0.0020	0.0015	0.0000	0.1854	0.0462	0.0000	0.0222	0.0000	0.0462	0.0000	0.0000	0.0000		
Florance 16kV	0.0652	-0.0985	-0.0573	0.0025	0.0000	0.0484	-0.1146	-0.0496	0.0031	0.0000	0.0884	-0.1277	-0.0436	0.0023	0.0000	0.1016	-0.1581	-0.0498	-0.0019	0.0000	0.2148	-0.2134	-0.0469	0.0043	0.0000	0.0240	0.0000	0.0469	0.0043	0.0000	0.0000	
Flores 12kV	0.0080	-0.0265	-0.0419	0.0012	0.0028	0.0009	-0.0296	-0.0427	0.0015	0.0000	0.0202	0.0108	-0.0321	-0.0439	0.0020	0.0006	0.0060	-0.0335	-0.0437	0.0049	0.0000	0.0127	-0.0354	-0.0404	0.0036	0.0000	0.0200	-0.0000	0.0000	0.0000		
Florida 12kV	0.0108	-0.0608	-0.0470	0.0023	0.0037	0.0038	-0.0628	-0.0446	0.0028	0.0011	0.0070	-0.0636	-0.0429	0.0025	0.0013	0.0081	-0.0748	-0.0447	0.0010	0.0013	0.0170	-0.0860	-0.0421	0.0045	0.0000	0.0213	-0.0013	-0.0313	0.0000	0.0000	0.0000	
Florida 12kV	0.0338	-0.1569	-0.0245	0.0006	0.0010	0.0251	-0.1500	-0.0179	0.0007	0.0019	0.0458	-0.1337	-0.0123	0.0005	0.0016	0.0526	-0.1634	-0.0174	-0.0001	0.0043	-0.0207	-0.0170	-0.0169	0.0011	0.0000	-0.0313	-0.0000	0.0000	0.0000			
Flotilla 16kV	0.0438	-0.0866	-0.0941	0.0010	0.0061	0.0325	-0.0958	-0.0910	0.0012	0.0001	0.0594	-0.1030	-0.0890	0.0016	0.0003	0.0683	-0.1139	-0.0900	-0.0038	0.0000	0.1443	-0.1268	-0.0856	0.0028	0.0000	-0.0040	-0.0000	0.0000	0.0000	0.0000	0.0000	
Flower 4.1kV	0.0023	-0.0329	-0.0087	0.0015	0.0000	0.0007	-0.0367	-0.0051	0.0018	0.0000	0.0002	-0.0387	-0.0019	0.0014	0.0000	0.0003	-0.0574	-0.0047	-0.0011	0.0000	0.0000	-0.0753	-0.0047	0.0024	0.0000	0.0000	-0.0047	0.0024	0.0000	0.0000	0.0000	0.0000
Flue 12kV	0.0536	-0.1091	-0.0241	0.0050	0.0000	0.0398	-0.1068	-0.0184	0.0056	0.0000	0.0727	-0.0987	-0.0137	0.0037	0.0000	0.0836	-0.1246	-0.0495	0.0020	0.0015	0.0000	-0.1766	-0.0422	-0.0173	0.0070	0.0000	-0.0070	0.0000	0.0000	0.0000	0.0000	0.0000
Flute 12kV	0.0221	-0.0423	-0.0560	0.0022	0.0008	0.0164	-0.0458	-0.0559	0.0028	0.0000	0.0299	-0.0482	-0.0566	0.0023	0.0003	0.0312	-0.0575	-0.0575	0.0007	0.0000	0.0726	-0.0530	-0.0044	0.0000	0.0000	-0.0044	0.0000	0.0000	0.0000	0.0000	0.0000	
Flying 8 12kV	0.0000	-0.0212	-0.0023	0.0003	0.0008	0.0000	-0.0240	-0.0015	0.0004	0.0000	0.0005	-0.0256	-0.0008	0.0002	0.0004	0.0000	-0.0411	-0.0014	-0.0003	0.0000	0.0000	-0.0569	-0.0014	-0.0014	0.0005	0.0000	-0.0014	0.0005	0.0000	0.0000	0.0000	0.0000
Flym 16kV	0.1117	-0.1053	-0.0723	0.0037	0.0051	0.0829	-0.1080	-0.0699	0.0047	0.0000	0.1514	-0.1072	-0.0685	0.0055	0.0002	0.0281	-0.1243	-0.0704	0.0019	0.0000	0.0595	-0.1378	-0.0660	0.0074	0.0000	-0.0074	0.0000	0.0000	0.0000	0.0000	0.0000	
Flywheel 16kV	0.0369	-0.0266	-0.0203	0.0020	0.0000	0.0289	-0.0318	-0.0186	0.0024	0.0000	0.0528	-0.0343	-0.0173	0.0034	0.0000	0.0607	-0.0477	-0.0189	0.0056	0.0000	0.1282	-0.0625	-0.0176	0.0052	0.0000	-0.0052	0.0000	0.0000	0.0000	0.0000	0.0000	
Fogcutter 12kV	0.0045	-0.0723	-0.0113	0.0128	0.0000	0.0033	-0.0713	-0.0066	0.0143	0.0000	0.0061	-0.0658	-0.0025	0.0095	0.0000	0.0070	-0.0890	-0.0060	-0.0190	0.0000	0.0000	0.1048	-0.0061	0.0000	0.0000	0.0000	-0.0061	0.0000	0.0000	0.0000	0.0000	0.0000
Fogg 12kV	0.0402	-0.0561	-0.0182	0.0020	0.0006	0.0180	-0.0530	-0.0132	0.0022	0.0000	0.0328	-0.0487	-0.0090	0.0014	0.0000	0.0191	-0.0637	-0.0061	-0.0128	0.0000	0.0000	-0.0798	-0.0070	-0.0126	0.0030	0.0000	-0.0022	0.0000	0.0000	0.0000	0.0000	0.0000
Folger 12kV	0.0300	-0.0370	-0.0271	0.0068	0.0021	0.0223	-0.0396	-0.0250	0.0009	0.0000	0.0406	-0.0414	-0.0233	0.0047	0.0000	0.0467	-0.0522	-0.0248	0.0003	0.0000	0.0987	-0.0647	-0.0023	0.0015	0.0000	-0.0023	0.0000	0.0000	0.0000	0.0000	0.0000	
Fonda 12kV	0.0150	-0.0334	-0.0060	0.0006	0.0000	0.0111	-0.0309	-0.0062	0.0008	0.0000	0.0203	-0.0346	-0.0023	0.0015	0.0000	0.0234	-0.0344	-0.0064	0.0000	0.0000	0.0494	-0.0466	-0.0059	0.0017	0.0000	-0.0059	0.0000	0.0000	0.0000	0.0000	0.0000	
Ford 12kV	0.0453	-0.1000	-0.0133	0.0003	0.0036	0.0110	-0.0135	-0.0003	0.0000	0.0000	0.0164	-0.0119	-0.0137	0.0005	0.0000	0.0206	-0.0127	-0.0137	0.0008	0.0000	0.1493	-0.1316	-0.0127	0.0007	0.0000	-0.0127	0.0000	0.0000	0.0000	0.0000	0.0000	
Forit 12kV	0.0488	-0.0433	-0.0180	0.0083	0.0001	0.0362	-0.0443	-0.0112	0.0101	0.0004	0.0661	-0.0441	-0.0553	0.0023	0.0000	0.0260	-0.0628	-0.0105	0.0036	0.0000	0.1607	-0.1626	-0.0222	0.0027	0.0000	-0.0222	0.0000	0.0000	0.0000	0.0000	0.0000	
Fornissa 16kV	0.0811	-0.0209	-0.0339	0.0022	0.0043	0.0602	-0.0225	-0.0297	0.0028	0.0012	0.0109	-0.0235	-0.0265	0.0033	0.0000	0.0264	-0.0267	-0.0300	0.0007	0.0000	0.2672	-0.2811	-0.0281	0.0044	0.0000	-0.0281	0.0000	0.0000	0.0000	0.0000	0.0000	
Fortress 12kV	0.0266	-0.1402	-0.0169	0.0110	0.0012	0.0212	-0.1179	-0.0114	0.0123	0.0004	0.0388	-0.0951	-0.0666	0.0006	0.0000	0.0331	-0.1090	-0.0115	0.0013	0.0000	0.0942	-0.1150	-0.0107	0.0017	0.0000	-0.0107	0.0000	0.0000	0.0000	0.0000	0.0000	
Fountain 4.16kV	0.0000	-0.0028	-0.0027	0.0019	0.0000	0.0000	-0.0028	-0.0027	0.0008	0.0000	0.0000	-0.0063	-0.0063	0.0000	0.0000	0.0000	-0.0063	-0.0063	0.0000	0.0000	0.0000	-0.0018	-0.0018	0.0000	0.0000	0.0000	-0.0018	0.0000	0.0000	0.0000	0.0000	0.0000
Fox 16kV	0.0005	-0.0139	-0.0064	0.0000	0.0000	0.0000	-0.0096	-0.0065	0.0000	0.0000	0.0000	-0.0100	-0.0067	0.0000	0.0000	0.0000	-0.0067	-0.0067	0.0000	0.0000	0.0000	-0.0107	-0.0107	0.0000	0.0000	0.0000	-0.0107	0.0000	0.0000	0.0000	0.0000	0.0000
Foxglove 12kV	0.0056	-0.0596	-0.0343	0.0022	0.0007	0.0041	-0.0285	-0.0112	0.0018	0.0001	0.0154	-0.0719	-0.0403	0.0013	0.0000	0.0592	-0.0852	-0.0403	0.0009	0.0000	0.1039	-0.0898	-0.0106	0.0028	0.0000	-0.0228	0.0000	0.0000	0.0000	0.0000	0.0000	
Foyt 12kV	0.0037	-0.0342	-0.0257	0.0014	0.0015	0.0027	-0.0348	-0.0237	0.0017	-0.0007	0.0500	-0.0346	-0.0233	0.0015	0.0000	0.0507	-0.0239	-0.0006	-0.0004	0.0000	0.0211	-0.0451	-0.0225	0.0000	0.0000	-0.0225	0.0000	0.0000	0.0000	0.0000	0.0000	
Frame 4.16kV	0.0000	-0.0244	-0.0062	0.0002	0.0010	0.0000	-0.0230	-0.0046	0.0002	0.0001	0.0212	-0.0303	-0.0032	0.0003	0.0000	0.0203	-0.0265	-0.0045	0.0000	0.0000	0.0311	-0.0331	-0.0043	0.0004	0.0000	-0.0043	0.0004	0.0000	0.0000	0.0000	0.0000	
Frankie 16kV	0.0373	-0.0833	-0.0467	0.0003</																												

Facility	2018								2019								2020								2021								2022							
	EE Demand (MW)	PV (MW) ^{1a}	EE (MW) ^{1b}	EV (MW) ^{1b}	LMDR (MW) ^{1b}	EE Demand (MW)	PV (MW) ^{1b}	EE (MW) ^{1b}	EV (MW) ^{1b}	LMDR (MW) ^{1b}	EE Demand (MW)	PV (MW) ^{2b}	EE (MW) ^{2b}	EV (MW) ^{2b}	LMDR (MW) ^{2b}	EE Demand (MW)	PV (MW) ^{2b}	EE (MW) ^{2b}	EV (MW) ^{2b}	LMDR (MW) ^{2b}	EE Demand (MW)	PV (MW) ^{2b}	EE (MW) ^{2b}	EV (MW) ^{2b}	LMDR (MW) ^{2b}	EE (MW) ^{2b}	EV (MW) ^{2b}	LMDR (MW) ^{2b}												
Graf 12kV	0.0558	-0.0454	-0.0627	0.0005	-0.0021	0.0414	-0.0509	-0.0634	0.0006	-0.0004	0.0756	-0.0552	-0.0646	0.0007	0.0001	0.0869	-0.0574	-0.0640	0.0002	0.1837	-0.0605	-0.0599	0.0010	0.0000	0.1837	-0.0605	-0.0599	0.0010	0.0000											
Graham 12kV	0.0290	-0.0637	-0.0194	0.0061	-0.0001	0.0215	-0.0611	-0.0133	0.0069	-0.0016	0.3438	-0.0574	-0.0081	0.0045	0.0000	0.0451	-0.0764	-0.0128	-0.0058	0.0004	0.0954	-0.0944	-0.0125	0.0093	0.0000	0.0954	-0.0944	-0.0125	0.0093	0.0000										
Granddad 16kV	0.0409	-0.0019	-0.0014	0.0047	0.0000	0.0304	-0.0021	-0.0014	0.0053	0.0000	0.0555	-0.0023	-0.0014	0.0037	0.0000	0.0638	-0.0024	-0.0014	-0.0085	0.0000	0.1347	-0.0026	-0.0014	0.0061	0.0000	0.1347	-0.0026	-0.0014	0.0061	0.0000										
Grande 12kV	0.0061	-0.0809	-0.0158	0.0025	-0.0018	0.0045	-0.0686	-0.0121	0.0029	-0.0044	0.0083	-0.0546	-0.0089	0.0020	-0.0019	0.0095	-0.0599	-0.0119	-0.0002	-0.0062	0.0020	-0.0591	-0.0114	0.0044	-0.0022	0.0000	0.0591	-0.0114	0.0044	-0.0022	0.0000									
Grandview 4.16kV	0.0021	-0.0333	-0.0055	0.0035	0.0000	0.0016	-0.0394	-0.0032	0.0040	-0.0008	0.0029	-0.0437	-0.0012	0.0026	-0.0009	0.0033	-0.0679	-0.0030	-0.0033	-0.0018	0.0070	-0.0517	-0.0030	0.0054	-0.0018	0.0070	-0.0517	-0.0030	0.0054	-0.0018	0.0000									
Granite 12kV	0.0133	-0.0747	-0.0286	0.0009	0.0044	0.0107	-0.0716	-0.0236	0.0011	-0.0053	0.0195	-0.0669	-0.0195	0.0008	0.0001	0.0224	-0.0852	-0.0235	-0.0001	-0.035	0.0474	-0.1011	-0.023	0.0016	-0.0044	0.0474	-0.1011	-0.023	0.0016	-0.0044	0.0000									
Granny Smith 12kV	0.0389	-0.0089	-0.0067	0.0131	0.0028	0.0288	-0.0088	-0.0054	0.0148	0.0003	0.0527	-0.0086	-0.0043	0.0096	-0.0001	0.0605	-0.101	-0.0053	-0.0124	0.0000	0.1280	-0.0115	-0.0051	0.0200	-0.0004	0.1280	-0.0115	-0.0051	0.0200	-0.0004	0.0000									
Grant 4.16kV	0.0060	-0.0200	-0.0041	0.0021	-0.0004	0.0044	-0.0205	-0.0025	0.0023	-0.0004	0.0081	-0.0207	-0.0011	0.0015	-0.0004	0.0093	-0.0304	-0.0023	-0.0019	-0.0004	0.0196	-0.0415	-0.0023	0.0031	0.0000	0.0196	-0.0415	-0.0023	0.0031	0.0000										
Grape 16kV	0.0417	-0.0433	-0.0586	0.0004	-0.0040	0.0310	-0.0485	-0.0593	0.0005	-0.0006	0.0565	-0.0523	-0.0609	0.0005	0.0000	0.0650	-0.0590	-0.0610	0.0001	0.0000	0.1374	-0.0655	-0.0563	0.0007	0.0000	0.1374	-0.0655	-0.0563	0.0007	0.0000										
Grapefruit 12kV	0.0270	-0.0866	-0.0352	0.0038	0.0044	0.0200	-0.0912	-0.0323	0.0044	-0.0010	0.0366	-0.0903	-0.0302	0.0031	-0.0005	0.0420	-0.1159	-0.0329	-0.0004	-0.0013	0.0889	-0.1340	-0.0306	0.0067	-0.0004	0.0889	-0.1340	-0.0306	0.0067	-0.0004	0.0000									
Gravine 12kV	0.0000	-0.0015	-0.0001	0.0000	0.0000	0.0479	-0.0011	-0.0001	0.0000	0.0000	0.0000	-0.0010	-0.0001	0.0000	0.0000	0.0000	-0.0010	-0.0001	0.0000	0.0000	0.0000	-0.0008	-0.0001	0.0000	0.0000	0.0000	-0.0008	-0.0001	0.0000	0.0000	0.0000									
Graphite 12kV	0.0034	-0.0320	-0.0119	0.0003	0.0000	0.0025	-0.0358	-0.0118	0.0004	0.0000	0.0045	-0.0389	-0.0116	0.0006	0.0000	0.0052	-0.0405	-0.0114	0.0003	0.0000	0.0110	-0.0427	-0.0110	0.0007	0.0000	0.0110	-0.0427	-0.0110	0.0007	0.0000										
Grasshopper 12kV	0.0045	-0.0841	-0.0168	0.0101	-0.0087	0.0033	-0.0888	-0.0107	0.0115	-0.0025	0.0061	-0.0897	-0.0054	0.0081	-0.0011	0.0070	-0.1293	-0.0100	-0.0040	-0.0040	0.0148	-0.1670	-0.0099	0.0177	-0.0027	0.0148	-0.1670	-0.0099	0.0177	-0.0027	0.0000									
Gravel 12kV	0.0108	-0.1357	-0.1167	0.0119	0.0044	0.0080	-0.1713	-0.1101	0.0023	-0.0418	0.0146	-0.1826	-0.1046	0.0029	0.0003	0.1618	-0.2133	-0.1064	0.0008	0.0000	0.0555	-0.2468	-0.1030	0.0037	-0.0013	0.0555	-0.2468	-0.1030	0.0037	-0.0013	0.0000									
Graves 4.16kV	0.0005	-0.0201	-0.0012	0.0001	0.0000	0.0479	-0.0011	-0.0001	0.0000	0.0000	0.0000	-0.0010	-0.0001	0.0000	0.0000	0.0000	-0.0010	-0.0001	0.0000	0.0000	0.0000	-0.0008	-0.0001	0.0000	0.0000	0.0000	-0.0008	-0.0001	0.0000	0.0000	0.0000									
Grayyard 1.6kV	0.0219	-0.0996	-0.0163	0.0067	0.0000	0.0163	-0.0946	-0.0140	0.0099	-0.0075	0.0099	-0.0946	-0.0121	0.0053	0.0000	0.0341	-0.0664	-0.0140	-0.0122	0.0000	0.0721	-0.0598	-0.0132	0.0088	-0.0009	0.0721	-0.0598	-0.0132	0.0088	-0.0009	0.0000									
Grayish 16kV	0.0363	-0.0613	-0.0372	0.0141	0.0000	0.0271	-0.0826	-0.0195	0.0160	0.0000	0.0495	-0.0823	-0.0129	0.0110	0.0000	0.0567	-0.1139	-0.0189	-0.0258	0.0000	0.1198	-0.1466	-0.0183	0.0185	-0.0000	0.1198	-0.1466	-0.0183	0.0185	-0.0000	0.0000									
Grayson 1.6kV	0.0076	-0.0215	-0.0096	0.0019	0.0014	0.0056	-0.0364	-0.0085	0.0023	-0.0011	0.0103	-0.0410	-0.0077	0.0020	-0.0000	0.0435	-0.0886	-0.0234	-0.0002	0.0000	0.0978	-0.0548	-0.0216	0.0000	0.0000	0.0978	-0.0548	-0.0216	0.0000	0.0000	0.0000									
Grazie 12kV	0.0238	-0.0688	-0.0449	0.0013	0.0000	0.0176	-0.0728	-0.0412	0.0015	0.0000	0.0222	-0.0753	-0.0382	0.0022	0.0000	0.0370	-0.0927	-0.0403	-0.0036	0.0000	0.0782	-0.1120	-0.0387	0.0033	0.0000	0.0782	-0.1120	-0.0387	0.0033	0.0000	0.0000									
Greasewood 12kV	0.0177	-0.0841	-0.0202	0.0006	0.0132	0.0131	-0.0731	-0.0164	0.0007	0.0008	0.0240	-0.0611	-0.0133	0.0005	-0.0015	0.0276	-0.0682	-0.0163	-0.0001	-0.0133	0.0584	-0.0680	-0.0155	0.0011	-0.0013	0.0584	-0.0680	-0.0155	0.0011	-0.0013	0.0000									
Great Salt 12kV	0.0540	-0.0600	-0.1060	0.0006	0.0039	0.0401	-0.1011	-0.1088	0.0007	-0.0002	0.0731	-0.0583	-0.1129	0.0006	0.0003	0.0841	-0.1211	-0.1126	-0.0000	0.0000	0.1777	-0.0811	-0.11034	0.0000	0.0000	0.1777	-0.0811	-0.11034	0.0000	0.0000	0.0000									
Green 12kV	0.0552	-0.0288	-0.0126	0.0012	0.0000	0.0534	-0.0318	-0.0122	0.0015	-0.0008	0.0095	-0.0340	-0.0118	0.0011	0.0000	0.0121	-0.0350	-0.0122	-0.0009	0.0000	0.0237	-0.0382	-0.0122	0.0020	0.0000	0.0237	-0.0382	-0.0122	0.0020	0.0000	0.0000									
Green Acres 12kV	0.0307	-0.0655	-0.0340	0.0006	0.0057	0.0228	-0.0708	-0.0302	0.0007	0.0001	0.0416	-0.0721	-0.0272	0.0007	-0.0002	0.0000	-0.0316	-0.0002	0.0000	0.0000	0.0337	-0.0444	-0.0163	0.0000	-0.0009	0.0337	-0.0444	-0.0163	0.0000	-0.0009	0.0000									
Green Bear 2.4kV	0.0000	-0.0007	-0.0021	0.0000	0.0189	-0.0026	0.0000	-0.0197	0.0000	0.0000	0.0047	-0.0574	-0.0006	0.0000	0.0000	0.0047	-0.0890	-0.0238	-0.0008	-0.0013	0.1198	-0.1166	-0.0225	0.0147	-0.0004	0.1198	-0.1166	-0.0225	0.0147	-0.0004	0.0000									
Gregg 12kV	0.0365	-0.0602	-0.0294	0.0084	0.0062	0.0271	-0.0629	-0.0239	0.0095	0.00495	-0.0638	-0.0147	0.0045	-0.0006	0.0089	-0.0624	-0.0234	-0.0002	-0.0027	0.0000	0.0315	-0.0256	-0.0162	0.0162	-0.0013	0.0315	-0.0256	-0.0162	0.0162	-0.0013	0.0000									
Gregory 12kV	0.0077	-0.0350	-0.0214	0.0018	0.0028	0.0057	-0.0324	-0.0220	0.0020	0.0000	0.0294	-0.0390	-0.0227	0.0006	-0.0005	0.0435	-0.0483	-0.0234	-0.0002	-0.0027	0.0000	0.0408	-0.0205	-0.0142	0.0162	-0.0013	0.0408	-0.0205	-0.0142	0.0162	-0.0013	0.0000								
Grenade 12kV	0.0166	-0.0203	-0.0303	0.0038	0.0010	0.0123	-0.0190	-0.0257	0.0043	-0.0036	0.0225	-0.0184	-0.0221	0.0030	-0.0015	0.0294	-0.0259	-0.0003	-0.0044	0.0547	-0.0195	-0.0243	0.0066	-0.0027	0.0547	-0.0195	-0.0243	0.0066	-0.0027	0.0000										
Greta 12kV	0.0059	-0.0329	-0.0494	0.0015	0.0000	0.0344	-0.0551	-0.0497	0.0014	0.0000	0.0337	-0.0581	-0.0497	0.0013	-0.0005	0.0455	-0.0659	-0.0497	-0.0003	-0.0051	0.0343	-0.0439	-0.0031	0.0031	-0.0004	0.0343	-0.0439	-0.												

Facility	2018								2019								2020								2021								2022							
	EE Demand (MW)	PV (MW) ^{1a}	EE (MW) ^{1b}	EV (MW) ^{1b}	LMDR (MW) ^{1b}	EE Demand (MW)	PV (MW) ^{1b}	EE (MW) ^{1b}	EV (MW) ^{1b}	LMDR (MW) ^{1b}	EE Demand (MW)	PV (MW) ^{2b}	EE (MW) ^{2b}	EV (MW) ^{2b}	LMDR (MW) ^{2b}	EE Demand (MW)	PV (MW) ^{2b}	EE (MW) ^{2b}	EV (MW) ^{2b}	LMDR (MW) ^{2b}	EE Demand (MW)	PV (MW) ^{2b}	EE (MW) ^{2b}	EV (MW) ^{2b}	LMDR (MW) ^{2b}	EE (MW) ^{2b}	EV (MW) ^{2b}	LMDR (MW) ^{2b}												
Halfback 12kV	0.0089	-0.0694	-0.0274	0.0026	0.0034	0.0066	-0.0612	-0.0219	0.0030	0.0016	0.0120	-0.0531	-0.0174	0.0021	-0.0011	0.0138	-0.0624	-0.0218	-0.0002	0.0133	0.0292	-0.0693	-0.0207	0.0046	-0.0013	0.0046	-0.0004	0.0046	-0.0013											
Halliburton 12kV	0.2483	-0.0475	-0.0350	0.0022	0.0092	0.1842	-0.0493	-0.0349	0.0026	-0.0018	0.3364	-0.0491	-0.0354	0.0023	0.0004	0.0438	-0.0584	-0.0359	0.0009	0.0000	0.0925	-0.0660	-0.0331	0.0042	0.0042	-0.0009	0.0053	-0.0009	0.0053	-0.0009	0.0053	-0.0009								
Halldale 16kV	0.0131	-0.1001	-0.0468	0.0027	0.0015	0.0097	-0.1160	-0.0418	0.0033	0.0014	0.0178	-0.1272	-0.0378	0.0029	-0.0029	0.0204	-0.1797	-0.0414	0.0012	0.0013	0.0432	-0.2317	-0.0394	0.0053	-0.0053	0.0053	-0.0009	0.0053	-0.0009											
Hallet 16kV	0.0134	-0.0311	-0.0336	0.0009	0.0000	0.0099	-0.0352	-0.0327	0.0011	0.0000	0.0181	-0.0384	-0.0322	0.0016	0.0000	0.0209	-0.0466	-0.0332	0.0025	0.0000	0.0441	-0.0544	-0.0309	0.0024	0.0024	-0.0000	0.0000	-0.0000	0.0000	-0.0000	0.0000									
Hallmark 12kV	4.0511	-0.0235	-0.0280	0.0002	0.0000	0.0231	-0.0263	-0.0280	0.0002	0.0000	0.0422	-0.0285	-0.0282	0.0003	0.0000	0.0485	-0.0297	-0.0278	0.0001	0.0000	0.1025	-0.0312	-0.0263	0.0004	0.0004	-0.0000	0.0000	-0.0000	0.0000	-0.0000	0.0000									
Hallsworth 12kV	0.0045	-0.0928	-0.0441	0.0037	0.0057	0.0034	-0.0939	-0.0405	0.0045	-0.0005	0.0061	-0.0914	-0.0379	0.0039	-0.0018	0.0071	-0.1147	-0.0412	0.0016	-0.0009	0.0149	-0.1339	-0.0384	0.0072	-0.0004	0.0072	-0.0004	0.0072	-0.0004	0.0072	-0.0004									
Halsey 12kV	0.0113	-0.0330	-0.0379	0.0108	0.0013	0.0082	-0.0358	-0.0322	0.0122	0.0006	0.0151	-0.0374	-0.0276	0.0079	-0.0014	0.0173	-0.0462	-0.0323	-0.0102	-0.0004	0.0366	-0.0552	-0.0304	0.0165	-0.0004	0.0165	-0.0004	0.0165	-0.0004	0.0165	-0.0004									
Halter 12kV	0.0243	-0.0576	-0.0643	0.0029	0.0119	0.0180	-0.0605	-0.0639	0.0037	-0.0008	0.0329	-0.0617	-0.0644	0.0044	-0.0014	0.0378	-0.0691	-0.0656	0.0009	-0.0009	0.0800	-0.0761	-0.0606	0.0059	0.0000	0.0059	-0.0000	0.0059	-0.0000	0.0059	-0.0000									
Hambone 12kV	0.0397	-0.0005	-0.0005	0.0003	0.0001	0.0295	-0.0006	-0.0005	0.0003	0.0001	0.0538	-0.0006	-0.0005	0.0002	-0.0002	0.0619	-0.0007	-0.0005	0.0000	0.0000	0.1308	-0.0008	-0.0005	0.0005	0.0000	0.0000	-0.0000	0.0000	-0.0000	0.0000	-0.0000									
Hammell 16kV	0.0000	-0.0309	-0.0285	0.0006	0.0000	0.0368	-0.0270	0.0007	-0.0003	0.0000	-0.0418	-0.0260	0.0006	-0.0006	0.0000	-0.0598	-0.0276	0.0003	-0.0004	0.0000	-0.0808	-0.0256	0.0011	-0.0000	0.0000	-0.0000	0.0000	-0.0000	0.0000	-0.0000										
Hammerhead 12kV	0.0617	-0.1348	-0.0125	0.0031	0.0000	0.0458	-0.1303	-0.0077	0.0035	-0.0008	0.0836	-0.1224	-0.0306	0.0025	-0.0013	0.0961	-0.1680	-0.072	-0.0003	0.0013	0.1777	-0.2117	-0.0072	0.0054	-0.0054	0.0054	-0.0054	0.0054	-0.0054	0.0054	-0.0054									
Hannock 33kV	0.0931	-0.0212	-0.0384	0.0016	0.0003	0.1623	-0.0238	-0.0394	0.0020	-0.0001	0.2964	-0.0258	-0.0409	0.0024	0.0001	0.3408	-0.0268	-0.0408	0.0005	0.0000	0.7203	-0.0283	-0.0375	0.0032	0.0000	-0.0000	0.0000	-0.0000	0.0000	-0.0000										
Hanshire 16kV	0.0027	-0.1219	-0.0328	0.0193	0.0000	0.0360	-0.1147	-0.0236	0.0217	0.0000	0.0657	-0.1042	-0.0159	0.0143	0.0000	0.0756	-0.1323	-0.0290	-0.0288	0.0000	0.1598	-0.1561	-0.0222	0.0269	0.0060	-0.0000	0.0000	-0.0000	0.0000	-0.0000										
Harpton 4.16kV	0.0049	-0.0105	-0.0043	0.0034	0.0001	0.0036	-0.0120	-0.0033	0.0038	0.0000	0.0067	-0.0127	-0.0025	0.0025	0.0000	0.0077	-0.0179	-0.0033	-0.0032	0.0004	0.0162	-0.0223	-0.0031	0.0051	-0.0051	0.0051	-0.0051	0.0051	-0.0051											
Han 50b 12kV	0.0000	-0.0162	-0.0162	0.0001	0.0000	0.0000	-0.0162	-0.0162	0.0001	0.0000	0.0000	-0.0162	-0.0162	0.0001	0.0000	0.0000	-0.0162	-0.0162	0.0001	0.0000	0.0000	-0.0162	-0.0162	0.0001	0.0000	-0.0001	0.0000	-0.0001	0.0000	-0.0001										
Hancock 12kV	0.0205	-0.0153	0.0023	0.0007	0.0040	0.0153	-0.0185	-0.0204	0.0068	-0.0008	0.0279	-0.0200	-0.0208	0.0010	0.0004	0.0321	-0.0208	-0.0206	0.0002	0.0000	0.0678	-0.0200	-0.0194	0.0013	-0.0009	0.0013	-0.0009	0.0013	-0.0009											
Hanford 12kV	0.0217	-0.0675	-0.0751	0.0099	0.0129	0.0401	-0.0720	-0.0744	0.0011	-0.0016	0.0285	-0.0748	-0.0750	0.0015	0.0000	0.0336	-0.0884	-0.0760	-0.036	0.0000	0.0710	-0.1030	-0.0707	0.0036	-0.0036	0.0036	-0.0036	0.0036	-0.0036											
Handy 12kV	0.0045	-0.1269	-0.0198	0.0078	0.0002	0.0334	-0.1145	-0.0132	0.0088	-0.0007	0.0061	-0.0987	-0.0076	0.0062	-0.0003	0.0071	-0.1197	-0.0126	-0.0007	0.0049	0.1338	-0.0124	-0.0136	-0.0035	0.0035	-0.0035	0.0035	-0.0035	0.0035	-0.0035										
Hansen 12kV	0.0756	-0.0023	-0.0011	0.0000	0.0000	0.0513	-0.0025	-0.0010	0.0001	0.0000	0.0439	-0.0027	-0.0010	0.0001	0.0000	0.0505	-0.0029	-0.0010	0.0002	0.0000	0.0711	-0.0031	-0.0030	0.0001	0.0000	-0.0000	0.0000	-0.0000	0.0000	-0.0000										
Hanger 12kV	0.2699	-0.0395	-0.0425	0.0009	0.0000	0.0125	-0.0440	-0.0425	0.0012	0.0000	0.0228	-0.0477	-0.0428	0.0018	0.0000	0.0262	-0.0498	-0.0424	0.0004	0.0000	0.0553	-0.0527	-0.0402	0.0000	0.0000	-0.0000	0.0000	-0.0000	0.0000	-0.0000										
Hank 12kV	0.0037	-0.0572	-0.0548	0.0012	0.0014	0.0027	-0.0627	-0.0538	0.0016	-0.0006	0.0669	-0.0532	-0.0011	0.0011	-0.0005	0.0711	-0.0533	-0.0004	0.0000	0.0121	-0.0760	-0.0059	0.0025	0.0000	-0.0000	0.0000	-0.0000	0.0000	-0.0000											
Harter 4.16kV	0.0000	-0.0252	-0.0067	0.0033	0.0001	0.0262	-0.0440	-0.0326	0.0040	-0.0013	0.0558	-0.0462	-0.0319	0.0026	-0.0001	0.0424	-0.0528	-0.0425	0.0004	0.0000	0.0886	-0.0601	-0.0307	0.0055	0.0000	-0.0018	0.0000	-0.0000	0.0000	-0.0000										
Hart 12kV	0.0041	-0.0684	-0.0264	0.0102	0.0001	0.0105	-0.0105	-0.0141	0.0041	-0.0004	0.0110	-0.0526	-0.0412	0.0013	-0.0009	0.0110	-0.0526	-0.0437	0.0004	0.0000	0.0276	-0.0575	-0.0409	0.0009	-0.0009	0.0009	-0.0009	0.0009	-0.0009											
Hartford 16kV	0.0047	-0.0003	-0.0003	0.0001	0.0000	0.0037	-0.0047	-0.0047	0.0023	-0.0001	0.0653	-0.0054	-0.0056	0.0016	-0.0004	0.0755	-0.0686	-0.0513	-0.0002	0.0000	0.1880	-0.0601	-0.0009	0.0036	-0.0036	0.0036	-0.0036	0.0036	-0.0036											
Hart 12kV	0.0085	-0.0604	-0.0229	0.0025	0.0000	0.0311	-0.0686	-0.0172	0.0038	-0.0008	0.0366	-0.0567	-0.0124	0.0018	0.0000	0.0443	-0.0595	-0.0160	-0.0036	0.0000	0.0374	-0.0163	-0.0034	0.0000	-0.0000	0.0000	-0.0000	0.0000	-0.0000											
Hartie 4.16kV	0.0034	-0.0947	-0.0237	0.0004	0.0000	0.0100	-0.0158	-0.0119	0.0023	-0.0001	0.0050	-0.0058	-0.0015	0.0004	-0.0003	0.0053	-0.0057	-0.0010	0.0000	0.0000	0.0070	-0.0053	-0.0009	0.0000	-0.0000	0.0000	-0.0000	0.0000	-0.0000											
Hartman 4.16kV	0.0000	-0.0161	-0.0033	0.0000	0.0000	0.0154	-0.0030	-0.0020	0.0000	0.0000	0.0050	-0.0048	-0.0018	0.0004	-0.0003	0.0154	-0.0048	-0.0018	0.0000	0.0000	0.0239	-0.0161	-0.0043	0.0000	-0.0000	0.0000	-0.0000	0.0000	-0.0000											
Hastings 4.16kV	0.0006	-0.0117	-0.0044	0.0005	0.0000	0.0112	-0.0112	-0.0164	0.0044	-0.0008	0.0168	-0.0168	-0.0013	0.0008	-0.0003	0.0199	-0.0243	-0.0024	0.0000	0.0045	-0.0207	-0.0126	-0.0024	0.0059	-0.0009	0.0000	-0.0000	0.0000	-0.0000											
Hasty 12kV	0.0238	-0.0604	-0.0162	0.0043	0.0000	0.0176	-0.0567	-0.0128	0.0049	-0.0000	0.0322	-0.0520	-0.0009	0.0032	-0.0012	0.0370	-0.0626	-0.0126	-0.0005	0.																				

Facility	2018					2019					2020					2021					2022					
	ee Demand (MW)	PV (MW) ^{1a}	EE (MW) ^{1b}	EV (MW) ^{1c}	LMDR (MW) ^{1d}	ee Demand (MW)	PV (MW) ^{1a}	EE (MW) ^{1b}	EV (MW) ^{1c}	LMDR (MW) ^{1d}	ee Demand (MW)	PV (MW) ^{2a}	EE (MW) ^{2b}	EV (MW) ^{2c}	LMDR (MW) ^{2d}	ee Demand (MW)	PV (MW) ²¹	EE (MW) ²¹	EV (MW) ²¹	LMDR (MW) ²¹	ee Demand (MW)	PV (MW) ²²	EE (MW) ²²	EV (MW) ²²	LMDR (MW) ²²	
Hemicinto 12kV	0.0597	-0.0759	-0.0287	0.0007	0.0012	0.0409	-0.0727	-0.0218	0.0008	-0.0009	0.0747	-0.0676	-0.0160	0.0007	0.0859	-0.0852	-0.0214	0.0003	0.1815	-0.1002	-0.0207	0.0013	-0.0013			
Henderson 12kV	0.0133	-0.0462	-0.0409	0.0023	0.0074	0.0107	-0.0484	-0.0393	0.0025	-0.0018	0.0195	-0.0495	-0.0384	0.0017	0.0224	-0.0559	-0.0402	-0.0021	0.0009	0.0474	-0.0620	-0.0374	0.0034	-0.0004		
Herbert 4.16kV	0.0000	0.0000	0.0000	0.0001	0.0000	0.0000	0.0000	0.0000	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			
Hercules 12kV	0.0251	-0.1063	-0.0349	0.0022	-0.0031	0.0186	-0.1054	-0.0283	0.0025	-0.0010	0.0340	-0.1018	-0.0228	0.0016	-0.0025	0.0391	-0.1363	-0.0281	-0.0021	-0.0049	0.0825	-0.1703	-0.0267	0.0034	-0.0031	
Hereford 12kV	0.0166	-0.0872	-0.0326	0.0110	0.0047	0.0123	-0.0991	-0.0280	0.0124	0.0008	0.0225	-0.1070	-0.0243	0.0080	-0.0023	0.0259	-0.1516	-0.0281	-0.0104	-0.0004	0.0548	-0.1931	-0.0264	0.0168	-0.0004	
Hermosa 4.16kV	0.0059	-0.0363	-0.0065	0.0160	0.0000	0.0044	-0.0394	-0.0045	0.0180	0.0000	0.0080	-0.0396	-0.0027	0.0119	0.0000	0.0092	-0.0538	-0.0043	-0.0238	0.0000	0.0194	-0.0640	-0.0042	0.0223	0.0000	
Hero 12kV	0.0571	-0.0662	-0.0343	0.0025	0.0022	0.0424	-0.0652	-0.0305	0.0029	0.0012	0.0774	-0.0629	-0.0275	0.0020	-0.0027	0.0890	-0.0788	-0.0308	-0.0002	0.013	0.1880	-0.037	-0.0289	0.0044	-0.0004	
Herring 12kV	0.0557	-0.0559	-0.0229	0.0024	0.0413	-0.0560	-0.0175	0.0029	-0.0003	0.0754	-0.0548	-0.0130	0.0025	-0.0013	0.0867	-0.0747	-0.0173	0.0010	-0.0013	0.1833	-0.0954	-0.0165	0.0046	-0.0031		
Herz 12kV	0.2699	-0.0763	-0.0566	0.0003	0.0063	0.1201	-0.0874	-0.0532	0.0004	-0.0003	0.0119	-0.0947	-0.0510	0.0003	-0.0011	0.137	-0.1259	-0.0542	0.0001	-0.0004	0.0290	-0.1556	-0.005	0.0006	-0.0022	
Hession 12kV	0.0000	-0.0037	-0.0015	0.0005	0.0000	-0.0034	-0.0009	0.0005	0.0000	-0.0030	0.0003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-0.0049	-0.0008	0.0006	0.0000	0.0000		
Hewitt 12kV	0.0315	-0.0347	-0.0168	0.0005	0.0019	0.0234	-0.0356	-0.0160	0.0006	-0.0004	0.0427	-0.0343	-0.0155	0.0005	0.0491	-0.0421	-0.0163	0.0002	0.0000	0.1039	-0.0469	-0.0151	0.0009	0.0000		
Hixnut 12kV	0.2200	-0.0351	-0.0400	0.0038	0.0131	0.0160	-0.0372	-0.0390	0.0046	0.0012	0.0160	-0.0386	-0.0387	0.0040	-0.0000	0.0080	-0.0448	-0.0400	0.0016	0.0000	0.0080	-0.0510	-0.0370	0.0074	-0.0069	
Hibiscus 4.16kV	0.0030	-0.1016	-0.0366	0.0002	-0.0004	0.0023	-0.0102	-0.0025	0.0003	-0.0008	0.0000	-0.0097	-0.0016	0.0002	0.0011	0.0000	-0.0130	-0.0024	0.0001	0.0000	0.0000	-0.0024	0.0004	0.0000	0.0000	
Hickory 4.16kV	0.0076	-0.0694	-0.0034	0.0031	0.0000	0.0056	-0.0104	-0.0020	0.0038	0.0000	0.0103	-0.0108	-0.0008	0.0028	0.0000	0.0118	-0.0159	-0.0018	0.0000	0.0249	-0.0207	-0.0018	0.0051	0.0000		
Hicks 12kV	0.0000	-0.0031	-0.0003	0.0001	0.0000	-0.0031	-0.0009	0.0005	0.0000	-0.0030	0.0003	0.0000	0.0000	0.0000	0.0000	0.0000	-0.0040	-0.0010	0.0000	0.0000	0.0000	-0.0010	0.0000	0.0000		
Higginson 4.16kV	0.0049	-0.0680	-0.0027	0.0040	0.0000	0.0036	-0.0005	0.0001	0.0045	0.0000	0.0067	-0.0008	-0.0006	0.0028	0.0000	0.0097	-0.0130	-0.0016	0.0000	0.0563	-0.0170	-0.0016	0.0061	-0.0009		
Hidden 12kV	0.0104	-0.0200	-0.0111	0.0000	0.0000	0.0077	-0.0023	-0.0011	0.0000	0.0000	0.0141	-0.0025	-0.0012	0.0000	0.0000	0.0163	-0.0026	0.0000	0.0000	0.0033	-0.0037	0.0011	0.0000	0.0000		
Higby 12kV	0.3000	-0.0469	-0.0161	0.0052	0.0137	0.0667	-0.0449	-0.0115	0.0059	-0.0085	0.0406	-0.0419	-0.0075	0.0038	0.0311	-0.0467	0.0524	-0.0110	-0.0049	-0.018	0.0086	0.0614	-0.0109	0.0080	-0.0094	
Hight 4.16kV	0.0000	-0.0138	-0.0064	0.0001	0.0011	0.0000	-0.0135	-0.0058	0.0001	-0.0007	0.0000	-0.0130	-0.0054	0.0001	0.0001	0.0166	-0.0059	0.0000	0.0000	0.0199	-0.0055	0.0001	0.0000	0.0004		
Hight School 2.4kV	0.0000	-0.0025	-0.0017	0.0007	0.0000	0.0025	-0.0022	0.0007	0.0000	-0.0025	0.0005	0.0000	0.0000	0.0000	0.0003	-0.0012	0.0000	0.0000	0.0000	-0.0032	0.0009	0.0000	0.0000			
Highball 12kV	0.0042	-0.1471	-0.0465	0.0021	-0.0027	0.0311	-0.1556	-0.0424	0.0024	-0.0009	0.0056	-0.1558	-0.0394	0.0015	-0.0008	0.0065	-0.2058	0.0430	-0.0200	-0.0181	0.0137	-0.0401	0.0032	-0.035	0.0000	
Higliff 16kV	0.0398	-0.0454	-0.0147	0.0047	0.0055	0.0296	-0.0491	-0.0384	0.0053	-0.0021	0.0540	-0.0518	-0.0360	0.0034	-0.0002	0.0651	-0.3991	-0.0444	-0.0004	0.1312	-0.0810	-0.0364	0.0071	-0.0009		
Higoon 12kV	0.0150	-0.0896	-0.0320	0.0148	0.0021	0.0112	-0.0901	-0.0270	0.0167	0.0028	0.0204	-0.0887	-0.0229	0.0108	-0.0012	0.0234	-0.1194	-0.0270	-0.0139	-0.022	0.0495	-0.1507	-0.0255	0.0226	-0.0018	
Highway 16kV	0.0136	-0.1459	-0.0368	0.0200	0.0000	0.3684	-0.1384	-0.0230	0.0246	0.0000	0.6728	-0.1289	-0.0111	0.0183	0.0000	0.7736	-0.1690	-0.0216	-0.0150	0.0000	0.0446	-0.2026	-0.0215	0.0326	0.0000	
Highway Six 12kV	0.0000	-0.1074	-0.0151	0.0050	0.0000	-0.1118	-0.0119	0.0056	0.0000	-0.1072	0.0002	0.0337	0.0000	0.0000	-0.1389	-0.0117	-0.0075	0.0000	0.0000	-0.1637	-0.0113	0.0070	0.0000	0.0000		
Higo 12kV	0.0236	-0.0436	-0.0152	0.0116	-0.0001	0.0175	-0.0459	-0.0105	0.0132	-0.0003	0.0319	-0.0468	-0.0064	0.0093	0.0000	0.3667	-0.0670	-0.0101	-0.0011	-0.013	0.0776	-0.0885	-0.0098	0.0203	-0.0013	
Hildreth 4.8kV	0.0000	-0.0108	-0.0027	0.0003	0.0000	-0.0097	-0.0016	0.0004	0.0000	-0.0085	0.0003	-0.0007	0.0003	0.0000	-0.0107	0.0000	-0.0015	0.0000	0.0000	-0.0124	0.0005	0.0000	0.0000	0.0000		
Hill 4.16kV	0.0136	-0.0367	-0.0063	0.0120	0.0020	0.0110	-0.0385	-0.0039	0.0134	0.0000	0.0216	-0.0385	-0.0019	0.0089	0.0000	0.2448	-0.0546	-0.0397	-0.0178	0.00524	-0.0697	-0.0067	0.0037	0.0167		
Hillard 16kV	0.0000	-0.0271	-0.0035	0.0025	0.0000	-0.0279	-0.0020	0.0028	0.0000	-0.0266	0.0000	-0.0266	0.0000	0.0000	-0.0357	0.0057	-0.0214	0.0000	0.0000	-0.0487	-0.0001	0.0000	0.0000	0.0000		
Hillfield 12kV	0.0130	-0.1231	-0.0268	0.0041	0.0005	0.0097	-0.1127	-0.0212	0.0047	-0.0011	0.0123	-0.1120	-0.0094	0.0064	-0.0006	0.0242	-0.0917	-0.0048	0.0004	0.0000	0.0278	-0.0057	0.0000	0.0000	0.0000	
Hillside 16kV	0.0184	-0.1819	-0.0122	0.0053	0.0000	0.0136	-0.2111	-0.0115	0.0060	-0.0231	0.0006	-0.0001	0.0249	-0.0222	-0.0111	0.0039	0.0000	0.0286	-0.0276	-0.0118	-0.0079	0.0000	0.0605	-0.0319	0.0000	0.0000
Hillview 4.16kV	0.0000	-0.0160	-0.0059	0.0006	0.0000	-0.0198	-0.0034	0.0008	0.0000	-0.0023	0.0001	-0.0002	0.0000	-0.0006	0.0000	-0.0384	-0.0005	-0.0005	0.0000	0.0561	-0.0032	0.0100	0.0000	0.0000		
Himel 12kV	0.0003	-0.0071	-0.0002	0.0001	-0.0007	0.0039	-0.0137	-0.0018	0.0001	-0.0021	0.0001	-0.0017	0.0013	-0.0001	0.0001	0.0000	-0.0003	0.0000	-0.0003	0.0000	-0.0003	0.0000	0.0000	0.0000		
Himes 12kV	0.0000	-0.1049	-0.0102	0.0085	0.0000	-1.9000	-0.1099	-0.0057	0.0097	0.0000	-2.1000	-0.1051	-0.0052	0.0067	0.0000	1.5000	-0.1389	-0.0732	0.0156	0.0000	-0.1580	-0.0800	-0.0112	0.0000	0.0000	
Hinson 16kV	0.0117	-0.0209	-0.0029	0.0000	-0.0026	0.0093	-0.0235	-0.0025	0.0013	-0.0028	0.0054	-0.0235	-0.0025	0.0003	-0.0006	0.0000	-0.0003	0.0000	-0.0003	0.0000	-0.0003	0.0000	0.0000	0.0000		
Hobson 12kV	0.1241	-0.0330	-0.0146	0.0001	0.0000	0.0593	-0.0367	-0.0044	0.0016	-0.0027	0.0001	-0.0016														

Facility	2018				2019				2020				2021				2022								
	ee Demand (MW)	PV (MW) ^{1a}	EE (MW) ^{1b}	EV (MW) ^{1c}	LMDR (MW) ^{1d}	ee Demand (MW)	PV (MW) ^{1e}	EE (MW) ^{1f}	EV (MW) ^{1g}	LMDR (MW) ^{1h}	ee Demand (MW)	PV (MW) ¹ⁱ	EE (MW) ^{1j}	EV (MW) ^{1k}	LMDR (MW) ^{1l}	ee Demand (MW)	PV (MW) ^{1m}	EE (MW) ¹ⁿ	EV (MW) ^{1o}	LMDR (MW) ^{1p}					
Houston 12kV	0.1839	-0.0128	-0.0053	0.0001	0.0000	0.0689	-0.0138	-0.0052	0.0002	0.0000	0.0644	-0.0146	-0.0051	0.0002	0.0000	0.0740	-0.0153	-0.0052	0.0000	0.1066	-0.0161	-0.0052	0.0004	0.0000	
Hovatter 12kV	0.0652	-0.0580	-0.0224	0.0040	0.0003	1.4097	-0.0567	-0.0159	0.0046	-0.0013	0.0265	-0.0538	-0.0104	0.0032	-0.0015	0.0304	-0.0721	-0.0154	-0.0004	-0.013	0.0643	-0.0897	-0.0149	0.0070	-0.0018
Hovey 12kV	0.0000	-0.0053	-0.0026	0.0002	0.0000	0.0000	-0.0058	-0.0025	0.0003	0.0000	0.0000	-0.0061	-0.0025	0.0004	0.0000	0.0000	-0.0066	-0.0025	0.0007	0.0000	0.0000	-0.0071	-0.0025	0.0006	0.0000
Howbuck 12kV	0.0116	-0.0007	-0.0017	0.0000	0.0008	0.0086	-0.0007	-0.0013	0.0000	-0.0001	0.0157	-0.0008	-0.0010	0.0000	-0.0002	0.0180	-0.0008	-0.0013	0.0000	-0.0009	0.0381	-0.0008	-0.0012	0.0009	-0.0009
Howitzer 12kV	0.0166	-0.0168	-0.0240	0.0010	0.0022	0.0123	-0.0153	-0.0210	0.0012	-0.0036	0.0225	-0.0144	-0.0186	0.0015	-0.0015	0.0259	-0.0150	-0.0211	0.0003	-0.0049	0.0547	-0.0152	-0.0198	0.0020	-0.0004
Hub City 16kV	0.0739	-0.0537	-0.0269	0.0015	0.0000	0.0739	-0.0606	-0.0235	0.0018	0.0000	0.0739	-0.0659	-0.0208	0.0014	0.0000	0.0739	-0.0866	-0.0237	-0.0011	0.0000	0.0739	-0.1099	-0.022	0.0024	0.0000
Hubble 12kV	0.0362	-0.0603	-0.0184	0.0000	0.0000	0.0362	-0.0546	-0.0126	0.0000	0.0362	-0.0478	-0.0076	0.0000	0.0362	-0.0595	-0.0121	0.0000	0.0362	-0.0678	-0.0118	0.0000	0.0000	0.0000		
Huckleberry 12kV	0.0273	-0.0083	-0.0047	0.0052	0.0000	0.0203	-0.0075	-0.0048	0.0059	0.0002	0.0370	-0.0066	-0.0050	0.0038	-0.0006	0.0425	-0.0081	-0.0050	0.0000	0.0899	-0.0092	0.0046	0.0080	0.0000	
Hudson 12kV	0.0040	-0.0235	-0.0286	0.0016	0.0038	0.0030	-0.0259	-0.0279	0.0019	-0.0024	0.0054	-0.0278	-0.0276	0.0026	-0.0076	0.0062	-0.0298	-0.0279	0.0062	0.0000	0.0131	-0.0322	-0.0263	0.0046	0.0000
Huevos 12kV	1.8925	-0.0933	-0.0264	0.0016	0.0000	0.0575	-0.0905	-0.0201	0.0018	0.0000	0.0441	-0.0858	-0.0149	0.0012	0.0000	0.0507	-0.1119	-0.0198	-0.0029	0.0000	0.1071	-0.1355	-0.0189	0.0021	0.0000
Huff 12kV	0.0227	-0.0931	-0.0352	0.0017	0.0008	0.0140	-0.0891	-0.0294	0.0021	-0.0068	0.0256	-0.0833	-0.0247	0.0018	-0.0018	0.0295	-0.1062	-0.0294	0.0008	-0.031	0.0623	-0.1269	-0.0278	0.0034	-0.0027
Hughes Lake 12kV	0.0110	-0.0591	-0.0168	0.0148	0.0006	0.0081	-0.0591	-0.0134	0.0167	0.0026	0.0149	-0.0571	-0.0106	0.0108	-0.0020	0.0171	-0.0767	-0.0133	-0.0004	0.0361	-0.0963	-0.0127	0.0226	-0.0035	
Hugo 12kV	0.0154	-0.0681	0.0000	0.0008	0.0000	0.0114	-0.0687	0.0060	0.0015	0.0000	0.0208	-0.0692	0.0000	0.0203	0.0029	-0.0698	0.0000	0.0163	0.0506	-0.0104	0.0000	0.0620	0.0060		
Hulsey 33kV	0.0352	0.0000	0.0000	0.0009	0.0000	0.0262	0.0000	0.0000	0.0002	0.0000	0.0477	0.0000	0.0000	0.0000	0.0000	0.0549	0.0000	0.0000	0.0043	0.0000	0.0000	0.0025	0.0000		
Humboldt 12kV	0.0045	-0.0243	-0.0041	0.0001	0.0000	0.0045	-0.0243	-0.0041	0.0001	0.0000	0.0168	-0.0243	-0.0041	0.0001	0.0000	0.0243	-0.0243	-0.0041	0.0000	0.0168	-0.0243	-0.0041	0.0000	0.0000	
Humble 12kV	0.2771	-0.0760	-0.0443	0.0108	0.0000	0.0609	-0.0445	-0.0151	0.0121	0.0000	0.0000	-0.0334	-0.0095	0.0080	0.0000	0.0000	-0.0759	-0.0423	-0.0160	0.0000	0.0000	-0.0895	-0.0303	0.0159	0.0000
Humphreys 4.16kV	0.0011	-0.0134	-0.0061	0.0006	0.0000	0.0008	-0.0165	-0.0037	0.0007	0.0000	0.0014	-0.0187	-0.0016	0.0006	0.0000	0.0016	-0.0300	-0.0034	-0.0005	0.0000	0.0035	-0.0420	0.0034	0.0100	0.0000
Hunt 12kV	0.0065	-0.0767	0.0399	0.0036	0.0045	0.0049	-0.0775	-0.0361	0.0044	-0.0004	0.0089	-0.0744	-0.0332	0.0038	-0.0013	0.0102	-0.0894	-0.0365	-0.0166	-0.0091	0.0341	-0.0707	-0.0099	0.0000	0.0000
Hunter 12kV	0.0146	-0.0843	-0.0441	0.0009	0.0071	0.0109	-0.0357	-0.0448	0.0011	0.0000	0.0086	-0.0461	-0.0010	0.0000	0.0000	0.0086	-0.0397	-0.0463	0.0004	0.0048	-0.0426	-0.0246	0.0038	0.0000	
Hurley 12kV	0.0184	-0.0107	-0.0074	0.0014	0.0000	0.0136	-0.0120	-0.0054	0.0016	0.0000	0.0249	-0.0130	-0.0036	0.0001	0.0000	0.0286	-0.0182	-0.0052	-0.0021	0.0000	0.0605	-0.0237	-0.0050	0.0000	
Huron 12kV	1.9040	-0.1007	-0.0220	0.0015	0.0000	0.0401	-0.0802	-0.0170	0.0017	0.0000	0.0731	-0.0610	-0.0129	0.0011	0.0000	0.0841	-0.1636	-0.0168	-0.0014	-0.0222	0.2777	-0.0631	-0.0161	0.0023	-0.0035
Hurricane 12kV	0.0061	-0.1630	-0.0252	0.0108	0.0000	0.0045	-0.1581	-0.0183	0.0121	0.0000	0.0082	-0.1465	-0.0124	0.0040	0.0000	0.0094	-0.1881	-0.0174	-0.0160	0.0000	0.0199	-0.2200	-0.0171	0.0150	0.0000
Hurst 16kV	0.0032	-0.1385	-0.0349	0.0248	0.0000	0.0024	-0.1297	-0.0281	0.0000	0.0000	0.0043	-0.1141	-0.0224	0.0184	0.0000	0.0049	-0.1302	-0.0279	-0.0369	0.0000	0.0104	-0.1343	-0.0266	0.0345	0.0000
Hurstview 16kV	0.0343	-0.0698	-0.0624	0.0022	-0.0022	0.0255	-0.0758	-0.0594	0.0028	-0.0045	0.0245	-0.0796	-0.0575	0.0033	-0.0002	0.0535	-0.0962	-0.0597	-0.0007	0.0404	0.1130	-0.0561	0.0044	-0.0013	
Huskie 12kV	0.0051	-0.0557	-0.0388	0.0203	0.0034	0.0038	-0.0637	-0.0236	0.0229	0.0005	0.0069	-0.0697	-0.0277	0.0149	-0.0017	0.0079	-0.0973	-0.0327	-0.0191	-0.0035	0.0168	-0.1245	-0.0308	0.0310	-0.0027
Hutchins 12kV	0.0141	-0.0449	-0.0075	0.0045	0.0000	0.0217	-0.0434	-0.0043	0.0050	0.0000	0.0191	-0.0409	-0.0016	0.0003	0.0000	0.0220	-0.0563	-0.0040	-0.0066	0.0045	-0.0710	-0.0040	0.0062	0.0000	
Hutt 12kV	0.0000	-0.0000	-0.0001	0.0000	0.0000	0.0000	-0.0002	-0.0001	0.0000	0.0000	0.0000	-0.0002	-0.0000	0.0000	0.0000	0.0000	-0.0003	-0.0000	0.0000	0.0000	-0.0004	0.0000	0.0000	0.0000	
Hyde Park 4.16kV	0.0023	-0.0150	-0.0047	0.0037	0.0000	0.0017	-0.0171	-0.0030	0.0114	0.0000	0.0032	-0.0180	-0.0016	0.0006	0.0000	0.0306	-0.0253	-0.029	0.0249	0.0000	0.0000	-0.0312	-0.0028	0.0157	0.0000
Hydrant 12kV	0.0363	-0.0479	-0.0577	0.0002	0.0079	0.0269	-0.0536	-0.0577	0.0003	0.0000	0.0491	-0.0851	-0.0580	0.0004	0.0003	0.0565	-0.0605	-0.0573	0.0010	0.0000	0.1194	-0.0639	-0.0543	0.0000	
Iberville 12kV	0.0299	-0.0640	-0.0446	0.0032	0.0058	0.0222	-0.0678	-0.0446	0.0030	-0.0048	0.0245	-0.0744	-0.0446	0.0030	-0.0016	0.0565	-0.0948	-0.0767	-0.0026	0.0000	0.1458	-0.1224	-0.0259	0.0125	0.0000
Indra 12kV	0.0043	-0.0247	-0.0027	0.0026	0.0000	0.0043	-0.0247	-0.0027	0.0000	0.0000	0.0045	-0.0247	-0.0027	0.0000	0.0000	0.0045	-0.0248	-0.0027	-0.0026	0.0000	0.0045	-0.0247	-0.0027	0.0000	
Independence 12kV	0.0037	-0.0831	-0.0171	0.0104	-0.0233	0.0345	-0.0813	-0.0105	0.0118	-0.0046	0.0446	-0.0774	-0.0049	0.0083	-0.0023	0.0513	-0.1070	-0.0099	0.0181	0.0895	-0.1364	-0.0098	0.0181	-0.0040	
Independence 4.16kV	0.0000	-0.0000	0.0000	0.0000	0.0000	0.0000	-0.0000	0.0000	0.0000	0.0000	0.0000	-0.0000	0.0000	0.0000	0.0000	0.0000	-0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		
Inferno 12kV	0.3584	-0.0422	-0.0295	0.0003	0.0099	0.0169	-0.0442	-0.0275	0.0003	0.0016	0.0491	-0.0452	-0.0258	0.0004	0.0007	0.0565	-0.0532	-0.0260	0.0001	0.0133	-0.1194	-0.0612	-0.0258	0.0005	
Inlet 4.16kV	0.0398	-0.0157	-0.0061	0.0533	0.0000	0.0228	-0.0165	-0.0035	0.0060	-0.0004	0.0000	-0.0166	-0.0012	0.0038	-0.0004	0.0000	-0.0239	-0.0032	-0.0050	0.0000	0.0310	-0.0332	0.0081	-0.0009	
Inno 12kV	2.3000	-0.0097	-0.0079	0.0000	0.0000	0.0406	-0.0109	-0.0076	0.0000	0.0000	0.0118	-0.0074	-0.0004	0.0000	0.0000	0.0123	-0.0078	0.0000	0.0000	0.0130	-0.0072	0.0000	0.0000	0.0000	
Intake 12kV	0.0108	-0.0100	-0.0023	0.0004																					

Facility	2018					2019					2020					2021					2022				
	EE Demand (MW)	PV (MW) ^{1a}	EE (MW) ^{1b}	EV (MW) ^{1b}	LMDR (MW) ^{1b}	EE Demand (MW)	PV (MW) ^{1b}	EE (MW) ^{1b}	EV (MW) ^{1b}	LMDR (MW) ^{1b}	EE Demand (MW)	PV (MW) ^{2b}	EE (MW) ^{2b}	EV (MW) ^{2b}	LMDR (MW) ^{2b}	EE Demand (MW)	PV (MW) ^{2b}	EE (MW) ^{2b}	EV (MW) ^{2b}	LMDR (MW) ^{2b}	EE Demand (MW)	PV (MW) ^{2b}	EE (MW) ^{2b}	EV (MW) ^{2b}	LMDR (MW) ^{2b}
January 12kV	0.1887	-0.0955	-0.0391	0.0261	0.0000	0.0147	-0.1126	-0.0287	0.0297	0.0000	0.0269	-0.1252	-0.0198	0.0205	0.0000	0.0309	-0.1869	-0.0279	-0.0478	0.0000	0.0654	-0.2479	-0.0269	0.0344	0.0000
Jarvis 12kV	0.0108	-0.0586	-0.0311	0.0051	0.0000	0.0080	-0.0643	-0.0282	0.0058	0.0000	0.0146	-0.0677	-0.0261	0.0040	0.0000	0.0168	-0.0872	-0.0287	-0.0094	0.0000	0.0355	-0.1059	-0.0267	0.0067	0.0000
Jasmine 12kV	0.4264	-0.0152	-0.0113	0.0009	0.0000	0.1385	-0.0169	-0.0113	0.0100	0.0000	0.1050	-0.0182	-0.0114	0.0006	0.0000	0.1097	-0.0191	-0.0114	-0.0013	0.0000	0.2319	-0.0201	-0.0108	0.0012	0.0000
Jasper 12kV	0.0175	-0.0513	-0.0177	0.0067	-0.0010	0.0130	-0.0490	-0.0129	0.0075	0.0001	0.0238	-0.0455	-0.0088	0.0049	-0.0014	0.0273	-0.0585	-0.0126	-0.0063	-0.0004	0.0577	-0.0701	-0.0122	0.0102	-0.0013
Java 4.16kV	0.0038	-0.0069	-0.0037	0.0008	0.0000	0.0028	-0.0080	-0.0031	0.0009	0.0000	0.0051	-0.0088	-0.0027	0.0006	0.0000	0.0059	-0.0120	-0.0031	-0.0014	0.0000	0.0125	-0.0150	-0.0030	0.0010	0.0000
Jawbone 12kV	0.0148	-0.0004	-0.0004	0.0000	0.0005	0.0110	-0.0004	-0.0003	0.0000	0.0001	0.0200	-0.0004	-0.0002	0.0000	-0.0001	0.0230	-0.0004	-0.0003	0.0000	0.0000	0.0486	-0.0005	-0.0003	0.0000	0.0000
Jaws 12kV	0.0000	-0.0209	-0.0353	0.0001	0.0019	0.0000	-0.0234	-0.0362	0.0001	0.0001	0.0000	-0.0254	-0.0376	0.0001	0.0002	0.0000	-0.0265	-0.0375	-0.0001	0.0000	0.0000	-0.0279	-0.0344	0.0001	0.0000
Jay 4.16kV	0.0000	-0.0114	-0.0039	0.0014	-0.0004	0.0000	-0.0113	-0.0023	0.0015	0.0001	0.0000	-0.0110	-0.0009	0.0010	-0.0004	0.0000	-0.0156	-0.0023	-0.0013	-0.0004	0.0000	-0.0204	-0.0021	0.0021	-0.0004
Jaybird 12kV	0.0132	-0.0584	-0.0302	0.0045	0.0035	0.0098	-0.0571	-0.0248	0.0051	-0.0026	0.0179	-0.0542	-0.0205	0.0036	-0.0024	0.0206	-0.0693	-0.0248	-0.0004	0.018	0.0436	-0.0833	-0.0235	0.0078	-0.0018
Jayblue 12kV	0.0091	-0.0668	-0.0284	0.0001	0.0019	0.0067	-0.0651	-0.0262	0.0002	0.0013	0.0123	-0.0611	-0.0243	0.0002	0.0003	0.0141	-0.0672	-0.0251	0.0005	-0.0009	0.0298	-0.0697	-0.0245	0.0004	-0.0009
Jaymac 4.16kV	0.0010	-0.0162	-0.0049	0.0043	0.0000	0.0007	-0.0163	-0.0028	0.0049	0.0000	0.0013	-0.0159	-0.0010	0.0032	0.0000	0.0015	-0.0227	-0.0026	-0.0065	0.0000	0.0031	-0.0299	-0.0026	0.0060	0.0000
Jazz 12kV	1.9298	-0.0541	-0.0558	0.0034	0.0037	0.0072	-0.0574	-0.0523	0.0042	-0.0024	0.0132	-0.0596	-0.0499	0.0057	-0.0005	0.0152	-0.0705	-0.0528	0.0136	-0.0022	0.0321	-0.0823	-0.0494	0.0099	-0.0004
JB Sherman 16kV	0.0073	-0.1226	-0.0286	0.0040	0.0002	0.0054	-0.1183	-0.0213	0.0045	-0.0011	0.0090	-0.1081	-0.0152	0.0032	-0.0004	0.0104	-0.1370	-0.0209	-0.0004	0.018	0.0188	-0.1569	-0.0201	0.0070	-0.0031
Jedi 12kV	0.0160	-0.1053	-0.0529	0.0015	0.0001	0.0119	-0.0987	-0.0478	0.0018	-0.0006	0.0217	-0.0901	-0.0441	0.0015	-0.0004	0.0250	-0.1068	-0.0485	0.0006	-0.0004	0.0528	-0.1196	-0.0453	0.0028	-0.0009
Jeep 12kV	0.0003	-0.0241	-0.0041	0.0001	0.0001	0.0045	-0.0241	-0.0031	0.0001	0.0000	0.0153	-0.0241	-0.0031	0.0001	0.0000	0.0192	-0.0241	-0.0031	0.0000	0.0000	0.0560	-0.1000	-0.0460	0.0021	0.0000
Jefferson 12kV	0.4965	-0.0594	-0.0496	0.0044	0.0025	0.0104	-0.0642	-0.0463	0.0054	-0.0013	0.0190	-0.0652	-0.0441	0.0094	-0.0007	0.0210	-0.0473	-0.0177	0.0000	0.0463	-0.0681	-0.0439	0.0021	-0.0031	
Jellystone 12kV	0.0154	-0.1691	-0.0197	0.0039	0.0000	0.0114	-0.1611	-0.0130	0.0043	0.0000	0.0209	-0.1427	-0.0053	0.0029	0.0000	0.0240	-0.1770	-0.0113	0.0057	0.0000	0.0507	-0.1922	-0.0112	0.0054	0.0000
Jenkins 18kV	0.0375	-0.0720	-0.0716	0.0014	-0.0011	0.0278	-0.0776	-0.0687	0.0017	-0.0026	0.0508	-0.0816	-0.0671	0.0021	-0.0004	0.0584	-0.1002	-0.0699	0.0004	0.0311	-0.1234	-0.0128	0.0052	-0.0013	
Jenks Lake 12kV	0.0108	-0.0027	-0.0032	0.0000	0.0000	0.0080	-0.0037	-0.0033	0.0000	0.0000	0.0146	-0.0037	-0.0033	0.0000	0.0000	0.0168	-0.0054	-0.0034	0.0000	0.0000	0.0355	-0.0087	-0.0031	0.0000	0.0000
Jennings 12kV	0.0243	-0.0663	-0.0468	0.0069	0.0041	0.0180	-0.0686	-0.0444	0.0078	0.0005	0.0229	-0.0689	-0.0429	0.0005	-0.0002	0.0378	-0.0851	-0.0454	-0.0006	0.0009	0.0800	-0.0997	-0.0421	0.0121	0.0000
Jepson 12kV	0.0442	-0.0603	-0.0745	0.0035	0.0020	0.0128	-0.0657	-0.0749	0.0042	0.0015	0.0598	-0.0697	-0.0762	0.0036	-0.0102	0.0688	-0.0778	-0.0671	0.0015	-0.0009	0.1454	-0.0870	-0.0710	0.0067	0.0000
Jerome 12kV	0.0048	-0.0537	-0.0476	0.0049	0.0017	0.0052	-0.0572	-0.0450	0.0055	-0.0040	0.0065	-0.0339	-0.0434	0.0039	-0.0004	0.0075	0.0723	-0.0460	-0.0004	0.0009	0.0158	-0.0854	-0.0427	0.0085	0.0000
Jerry 12kV	0.0450	-0.0596	-0.0061	0.0016	0.0001	0.0334	-0.0549	-0.0037	0.0018	0.0000	0.0210	-0.0549	-0.0076	0.0006	0.0000	2.6910	-0.0476	-0.0016	0.0011	-0.0006	2.7001	-0.0581	-0.0034	0.0224	-0.0022
Jerusalem 12kV	0.0592	-0.0795	-0.0184	0.0037	0.0025	0.0439	-0.0666	-0.0134	0.0042	0.0000	0.0802	-0.0541	-0.0092	0.0027	-0.0012	0.0922	-0.1065	-0.0130	-0.0035	-0.0004	0.1948	-0.0632	-0.0126	0.0057	-0.0018
Jess 12kV	0.0477	-0.0673	-0.0173	0.0040	0.0000	0.0354	-0.0611	-0.0106	0.0045	0.0000	0.0646	-0.0540	-0.0047	0.0029	0.0000	0.0743	-0.0683	-0.0099	0.0050	0.0150	-0.0800	-0.0099	0.0055	0.0000	
Jessie 4.16kV	0.0000	-0.0091	-0.0006	0.0000	0.0000	0.0009	-0.0099	-0.0004	0.0000	0.0000	0.0000	-0.0098	-0.0003	0.0000	0.0000	0.0000	-0.0135	-0.0004	0.0000	0.0000	0.0166	-0.0099	0.0000	0.0000	0.0000
Jessup 4.16kV	0.0011	-0.0570	-0.0055	0.0004	-0.0009	0.0008	-0.0505	-0.0031	0.0005	0.0015	0.0047	-0.0417	-0.0011	0.0003	0.0000	0.017	-0.0485	-0.0029	0.0000	0.0009	0.0495	-0.0029	0.0008	0.0000	0.0000
Jet Ski 12kV	0.0094	-0.0705	-0.0129	0.0000	0.0004	0.0700	-0.0684	-0.0124	0.0000	0.0000	0.0663	-0.0228	-0.0001	0.0000	0.0000	0.0128	-0.0122	-0.0001	0.0000	0.0035	-0.0355	-0.0010	0.0118	0.0000	
Jimmy 12kV	0.0141	-0.1551	-0.1143	0.0045	0.0075	0.0105	-0.1711	-0.1112	0.0051	0.0000	0.0191	-0.1779	-0.1101	0.0036	0.0000	0.0221	-0.2221	-0.1141	-0.0004	0.0133	0.7665	-0.2566	-0.1055	0.0079	-0.0018
Jimis 12kV	0.0745	-0.0235	-0.0096	0.0010	-0.0001	0.0553	-0.0214	-0.0069	0.0011	0.0000	0.0167	-0.0189	-0.0046	0.0008	0.0000	0.0928	-0.2324	-0.0234	-0.0067	0.0001	0.1962	-0.0268	-0.0065	0.0017	-0.0013
Joaquin 12kV	0.0080	-0.0426	-0.0015	0.0006	0.0006	0.0069	-0.0043	-0.0013	0.0003	0.0000	0.0207	-0.0157	-0.0021	0.0000	0.0000	0.0060	-0.0004	-0.0006	0.0000	0.0000	0.0005	-0.0026	-0.0004	0.0000	0.0000
Jojo 12kV	0.0000	-0.0172	-0.0041	0.0015	0.0035	0.0000	-0.0161	-0.0051	0.0000	0.0000	0.0101	-0.0178	-0.0045	0.0012	0.0000	0.0136	-0.0218	-0.0045	0.0000	0.0000	0.0242	-0.0062	-0.0004	0.0000	0.0000
Jonag 12kV	0.0159	-0.0613	-0.0142	0.0031	0.0001	0.0000	-0.0154	-0.0034	0.0000	0.0000	0.0109	-0.0184	-0.0075	0.0000	0.0000	0.0059	-0.0253	-0.0053	0.0000	0.0155	-0.0367	-0.0037	0.0114	-0.0004	
Jones 12kV	0.0047	-0.0744	-0.0654	0.0070	0.0000	0.0355	-0.0256	-0.0039	0.0085	0.0004	0.0064	-0.0218	-0.0018	0.0064	0.0000	0.0073	-0.0253	-0.0053	0.0000	0.0155	-0.0360	-0.0037	0.0114	-0.0004	
Jordan 12kV	0.0046	-0.0953	-0.0303	0.0094	0.0000	0.0363	-0.0259	-0.0039	0.0000	0.0000	0.0265	-0.0255	-0.0063	0.0000	0.0000	0.0395	-0.0279	-0.0073	0.0000	0.0150	-0.0				

Facility	2018					2019					2020					2021					2022				
	ee Demand (MW)	PV (MW) ^{1a}	EE (MW) ^{1b}	EV (MW) ^{1c}	LMDR (MW) ^{1d}	ee Demand (MW)	PV (MW) ^{1e}	EE (MW) ^{1f}	EV (MW) ^{1g}	LMDR (MW) ^{1h}	ee Demand (MW)	PV (MW) ¹ⁱ	EE (MW) ^{1j}	EV (MW) ^{1k}	LMDR (MW) ^{1l}	ee Demand (MW)	PV (MW) ^{1m}	EE (MW) ¹ⁿ	EV (MW) ^{1o}	LMDR (MW) ^{1p}	ee Demand (MW)	PV (MW) ^{1q}	EE (MW) ^{1r}	EV (MW) ^{1s}	LMDR (MW) ^{1t}
Kelber 12kV	0.0540	-0.0453	-0.0427	0.0005	0.0000	0.0401	-0.0518	-0.0420	0.0006	0.0731	-0.0571	-0.0417	0.0009	0.0841	-0.0698	-0.0419	0.0004	0.1777	-0.0837	-0.0396	0.0011	0.0000	-0.0396	0.0011	0.0000
Keller 12kV	0.0111	-0.2015	-0.0184	0.0049	-0.0004	0.0082	-0.1675	-0.0107	0.0055	-0.0221	0.0150	-0.1328	-0.0041	0.0035	0.0000	0.1519	-0.0099	-0.0046	0.0004	0.0365	-0.1567	-0.0100	0.0074	-0.0004	
Kelly 4.16kV	0.0000	-0.0004	-0.0017	0.0000	0.0004	0.0000	-0.0005	-0.0012	0.0000	-0.0002	0.0000	-0.0005	-0.0009	0.0000	0.0001	0.0000	-0.0005	-0.0012	0.0000	-0.0006	-0.0012	0.0000	-0.0013	0.0000	
Kelsey 12kV	0.1746	-0.0728	-0.0314	0.0082	0.0021	0.0134	-0.0746	-0.0263	0.0093	-0.019	0.0244	-0.0748	-0.0221	0.0060	-0.0008	0.0281	-0.1021	-0.0263	-0.0077	-0.013	0.0593	-0.1320	-0.0248	0.0126	-0.0035
Kelvin 12kV	0.0240	-0.0430	-0.0276	0.0034	0.0000	0.0178	-0.0448	-0.0223	0.0038	0.0000	0.0325	-0.0427	-0.0179	0.0025	0.0000	0.0047	-0.0503	-0.0223	-0.0051	0.0000	0.0099	-0.0542	-0.0210	0.0048	0.0000
Kelvinator 16kV	0.0149	-0.0798	-0.0743	0.0015	0.0032	0.0110	-0.1050	-0.0736	0.0019	-0.0004	0.0202	-0.1061	-0.0739	0.0025	-0.0076	0.0232	-0.1236	-0.0749	0.0061	-0.0004	0.0490	-0.1345	-0.0697	0.0044	-0.0013
Kenbo 4.16kV	0.0045	-0.0126	-0.0031	0.0007	0.0001	0.0034	-0.0150	-0.0019	0.0009	0.0001	0.0062	-0.0167	-0.0008	0.0010	0.0000	0.0071	-0.0258	-0.0018	0.0002	0.0150	-0.0349	-0.0018	0.0014	-0.0004	
Kendell 4.16kV	0.0027	-0.0117	-0.0039	0.0002	0.0013	0.0020	-0.0138	-0.0030	0.0003	-0.0004	0.0037	-0.0153	-0.0023	0.0002	0.0002	0.0042	-0.0232	-0.0030	0.0000	0.0089	-0.0307	-0.0029	0.0004	-0.0004	
Kenmore 4.16kV	0.0008	-0.0200	-0.0036	0.0023	0.0000	0.0006	-0.0232	-0.0021	0.0027	0.0001	0.0010	-0.0251	-0.0006	0.0019	-0.0004	0.0012	-0.0380	-0.0020	-0.0002	0.0000	0.0025	-0.0498	-0.0020	0.0041	-0.0004
Kennedy 33kV	0.0705	-0.0002	0.0000	0.0014	0.0000	0.0262	-0.0002	0.0000	0.0477	-0.0002	0.0000	0.0011	0.0000	0.0549	-0.0003	0.0000	-0.0026	0.0000	0.1160	-0.0003	0.0000	0.0019	0.0000		
Kenne 4.16kV	0.0011	-0.0194	-0.0062	0.0022	0.0000	0.0008	-0.0202	-0.0035	0.0025	0.0000	0.0015	-0.0202	-0.0012	0.0017	0.0000	0.0017	-0.0290	-0.0032	-0.0040	0.0000	0.0036	-0.0376	-0.0032	0.0029	-0.0000
Keno 12kV	0.0238	-0.1806	-0.0303	0.0049	0.0000	0.0177	-0.1790	-0.0180	0.0060	0.0000	0.0323	-0.1640	-0.0073	0.0044	0.0000	0.0371	-0.2105	-0.0166	-0.0036	0.0000	0.0784	-0.2370	-0.0167	0.0079	0.0000
Kenos 4.16kV	0.0076	-0.0167	-0.0039	0.0005	0.0010	0.0056	-0.0181	-0.0028	0.0006	0.0009	0.0103	-0.0186	-0.0019	0.0006	-0.0002	0.0118	-0.0265	-0.0024	0.0002	0.0049	-0.0340	-0.0026	0.0010	-0.0009	
Kentucky 12kV	0.0052	-0.0428	-0.0314	0.0032	0.0021	0.0038	-0.0433	-0.0296	0.0036	0.0001	0.0070	-0.0429	-0.0285	0.0026	-0.0007	0.0081	-0.0523	-0.0302	-0.0003	0.0040	0.0170	-0.0614	-0.0281	0.0056	-0.0018
Kenwood 12kV	0.0000	-0.0001	0.0000	0.0001	0.0000	0.0001	-0.0001	0.0000	0.0000	0.0000	0.0000	-0.0001	0.0000	0.0000	0.0000	0.0000	-0.0001	0.0000	0.0000	0.0000	0.0000	-0.0001	0.0000	0.0000	
Kenway 12kV	0.0072	-0.1365	-0.0034	0.0032	0.0000	0.1750	-0.1342	-0.0178	0.0037	0.0000	0.0069	-0.1254	-0.0130	0.0025	0.0000	0.0024	-0.1671	-0.0173	-0.0059	0.0000	0.0897	-0.1934	-0.0168	0.0042	-0.0000
Kenyon 12kV	0.0132	-0.0510	-0.0372	0.0061	0.0000	0.0058	-0.0509	-0.0223	0.0068	0.0000	0.0179	-0.0473	-0.0184	0.0045	0.0000	0.0206	-0.0578	-0.0223	0.0000	0.0436	-0.0671	-0.0211	0.0085	0.0000	
Kem 12kV	0.0058	-0.1206	-0.0215	0.0108	-0.0007	0.0045	-0.1030	-0.0144	0.0122	0.0003	0.0077	-0.0990	-0.0083	0.0079	-0.0013	0.0089	-0.1345	-0.0138	-0.0102	0.0040	0.0187	-0.1640	-0.0135	0.0165	-0.0035
Kem 22kV	0.0251	-0.0839	-0.0433	0.0008	0.0034	0.0186	-0.0848	-0.0387	0.0010	0.0005	0.0240	-0.0826	-0.0711	0.0008	-0.0031	0.0391	-0.1073	-0.0404	0.0003	0.0825	-0.1311	-0.0277	0.0015	-0.0037	
Keman 16kV	0.0359	-0.0580	-0.0778	0.0004	0.0000	0.0267	-0.0646	-0.0771	0.0005	0.0000	0.0487	-0.0698	-0.0773	0.0008	0.0000	0.0560	-0.0753	-0.0795	0.0012	0.0000	0.1183	-0.0824	-0.0729	0.0011	0.0000
Kerry 12kV	0.0102	-0.0190	-0.0064	0.0002	0.0001	0.0075	-0.0172	-0.0044	0.0003	-0.0007	0.0138	-0.0151	-0.0027	0.0003	-0.0002	0.0158	-0.0190	-0.0042	0.0001	0.0034	-0.0220	-0.0041	0.0004	-0.0004	
Kessler 12kV	1.432	-0.0487	-0.0789	0.0004	-0.0056	0.0870	-0.0545	-0.0804	0.0005	0.0001	0.0870	-0.0592	-0.0829	0.0006	0.0001	0.0870	-0.0616	-0.0825	0.0003	0.0000	0.1422	-0.0649	-0.0763	0.0008	0.0000
Ketch 12kV	0.0085	-0.1068	-0.0754	0.0056	-0.0019	0.0063	-0.1177	-0.0716	0.0000	0.0071	-0.0202	-0.0116	-0.1236	-0.0688	0.0085	-0.0003	0.1518	-0.0709	-0.0017	0.0004	0.0281	-0.1770	-0.0674	0.0113	0.0000
Kewamee 12kV	0.0143	-0.0725	-0.0409	0.0210	0.0035	0.0143	-0.0810	-0.0325	0.0236	-0.0001	0.0143	-0.0869	-0.0256	0.0153	-0.0013	0.0143	-0.1247	-0.0323	-0.0197	0.0009	0.0143	-0.1634	-0.0307	0.0320	-0.0013
Kewen 4.16kV	0.0011	-0.0090	-0.0059	0.0011	0.0011	0.0008	-0.0100	-0.0054	0.0013	0.0000	0.0015	-0.0107	-0.0050	0.0012	-0.0004	0.0108	-0.0150	-0.0055	0.0005	0.0037	-0.0198	-0.0051	0.0021	-0.0004	
Keystone 4.16kV	0.0000	-0.0305	-0.0105	0.0034	0.0000	0.0000	-0.0318	-0.0062	0.0042	0.0000	0.0000	-0.0323	-0.0025	0.0031	0.0000	0.0480	-0.0548	-0.0026	0.0000	0.0663	-0.0058	0.0056	0.0000		
Kick 12kV	0.0081	-0.0895	-0.0348	0.0020	-0.0027	0.0060	-0.0968	-0.0318	0.0023	0.0011	0.0110	-0.0978	-0.0296	0.0016	-0.0027	0.0126	-0.1280	-0.0323	-0.0009	0.0267	-0.1501	-0.0301	0.0035	-0.0004	
Kickapoo Trail 12kV	0.0154	-0.1923	-0.0304	0.0036	0.0000	0.0114	-0.1879	-0.0227	0.0040	0.0000	0.0209	-0.1723	-0.0163	0.0026	0.0000	0.0240	-0.2164	-0.0222	-0.0053	0.0000	0.0507	-0.2405	-0.0214	0.0050	
Kidd 12kV	0.0324	-0.0129	-0.0181	0.0005	0.0000	0.0240	-0.0144	-0.0184	0.0007	0.0000	0.0439	-0.0157	-0.0189	0.0008	0.0000	0.0163	-0.1888	-0.0318	-0.0005	0.0000	0.1066	-0.0172	-0.0174	0.0013	0.0000
Kilberry 12kV	0.0203	-0.0908	-0.0450	0.0049	0.0032	0.0151	-0.0951	-0.0362	0.0059	0.0009	0.0276	-0.0952	-0.0289	0.0051	-0.0016	0.0317	-0.1285	-0.0359	0.0021	-0.0018	0.0670	-0.1615	-0.0341	0.0095	-0.0009
Kimble 4.16kV	0.0046	-0.0299	-0.0455	0.0008	0.0034	-0.0334	-0.0464	0.0010	0.0000	0.0062	-0.0363	-0.0478	0.0015	-0.0017	0.0000	0.0265	-0.1369	-0.0405	-0.0005	0.0495	-0.1970	-0.0305	0.0000		
Kingcobs 4.16kV	0.0000	-0.0133	-0.0153	0.0001	0.0041	-0.0201	-0.0113	0.0055	-0.0001	0.0031	-0.0267	-0.0079	0.0045	-0.0064	0.0000	0.0265	-0.1564	-0.0464	-0.0041	0.0000	0.0551	-0.2055	-0.0306	0.0000	
Kingford 4.16kV	0.0047	-0.0513	-0.0400	0.0042	0.0001	0.0073	-0.0173	-0.0037	0.0048	0.0003	0.0000	-0.0183	-0.0013	0.0013	-0.0001	0.0000	-0.1561	-0.0267	-0.0040	0.0013	0.0000	-0.2034	-0.0305	0.0000	
Kingford 12kV	0.0471	-0.0746	-0.0345	0.0040	0.0015	0.0050	-0.0747	-0.0359	0.0045	0.0012	0.0024	-0.0749	-0.0349	0.0026	-0.0003	0.0034	-0.1649	-0.0357	-0.0028	0.0004	0.0151	-0.2070	-0.0323	0.0053	
Kingsley 12kV	0.0268	-0.0983	-0.0345	0.0109	0.0042	0.0109	-0.0960	-0.0299	0.0115	0.0010	0.0263	-0.0902	-0.0261	0.0075	-0.0023	0.0148	-0.1158	-0.0297	-0.0097	0.0018	0.0883	-0.1284	-0.0217	0.0035	
Kingray 12kV	0.0454	-0.1074	-0.0397	0.0014	0.0009	0.0337	-0.1124	-0.0255	0.0017	0.0002	0.0616	-0.110													

Facility	2018						2019						2020						2021						2022					
	EE Demand (MW)	PV (MW) ^{1a}	EE (MW) ^{1b}	EV (MW) ^{1b}	LMDR (MW) ^{1b}	EE Demand (MW)	PV (MW) ^{1b}	EE (MW) ^{1b}	EV (MW) ^{1b}	LMDR (MW) ^{1b}	EE Demand (MW)	PV (MW) ^{2b}	EE (MW) ^{2b}	EV (MW) ^{2b}	LMDR (MW) ^{2b}	EE Demand (MW)	PV (MW) ^{2b}	EE (MW) ^{2b}	EV (MW) ^{2b}	LMDR (MW) ^{2b}	EE Demand (MW)	PV (MW) ^{2b}	EE (MW) ^{2b}	EV (MW) ^{2b}	LMDR (MW) ^{2b}					
La Porte 16kV	0.365	-0.855	-0.397	0.0057	-0.0108	0.0271	-0.080	-0.036	0.0069	-0.0020	0.0495	-0.0887	-0.0286	0.0060	-0.0005	0.0567	-0.1208	-0.0336	0.0025	-0.0022	0.1198	-0.1547	-0.0318	0.0111	-0.0027					
La Pouda 4.16kV	0.0006	-0.188	-0.044	0.0014	0.0000	0.0005	-0.0179	-0.0031	0.0016	0.0000	0.0008	-0.0166	-0.0019	0.0011	0.0000	0.0010	-0.0219	-0.0030	-0.0021	0.0000	0.0020	-0.0265	-0.0029	0.0020	0.0000					
La Presa 4.16kV	0.061	-0.167	-0.069	0.0028	0.0011	0.0045	-0.0196	-0.0054	0.0031	0.0000	0.0082	-0.0215	-0.0041	0.0022	-0.0007	0.0094	-0.0318	-0.0053	-0.0003	0.0000	0.0200	-0.0418	-0.0051	0.0048	-0.0004					
La Quinta 33kV	0.0190	-0.0167	-0.0282	0.0012	0.0000	0.0141	-0.0187	-0.0290	0.0013	0.0000	0.0257	-0.0204	-0.0301	0.0009	0.0000	0.0296	-0.0212	-0.0300	-0.0001	0.0000	0.0625	-0.0223	-0.0275	0.0020	0.0000					
La Rica 12kV	0.0108	-0.0118	-0.0108	0.0002	0.0000	0.0080	-0.0132	-0.0106	0.0003	0.0000	0.0146	-0.0143	-0.0103	0.0004	0.0000	0.0168	-0.0149	-0.0100	0.0001	0.0000	0.0355	-0.0157	-0.0098	0.0005	0.0000					
La Salle 12kV	0.4697	-0.0273	-0.0478	0.0011	0.0000	0.3684	-0.0305	-0.0491	0.0014	0.0000	0.0325	-0.0331	-0.0509	0.0019	0.0000	0.0047	-0.0345	-0.0508	0.0031	0.0000	0.0099	-0.0363	-0.0466	0.0029	0.0000					
La Sierra 12kV	0.0277	-0.0201	-0.0116	0.0052	-0.0057	0.0215	-0.0208	-0.0110	0.0058	-0.0003	0.0375	-0.0213	-0.0107	0.0038	-0.0001	0.0431	-0.0274	-0.0113	-0.0048	-0.0004	0.0911	-0.0351	-0.0105	0.0079	-0.0004					
La Vaca 16kV	1.7844	-0.0847	-0.0425	0.0026	0.0049	0.0181	-0.0834	-0.0382	0.0032	0.0330	-0.0790	-0.0350	0.0039	-0.0006	0.0380	-0.0958	-0.0386	0.0008	-0.0013	0.0803	-0.1077	-0.0361	0.0051	-0.0049						
Lab 12kV	0.0277	-0.0966	-0.0321	0.0014	0.0014	0.1842	-0.0937	-0.0269	0.0017	0.0013	0.3364	-0.0863	-0.0266	0.0014	-0.0018	0.0431	-0.1063	-0.0293	0.0006	-0.018	0.0911	-0.1203	-0.0274	0.0027	-0.0018					
Lacresta 12kV	0.0307	-0.0124	-0.0077	0.0068	0.0000	0.0228	-0.0110	-0.0047	0.0084	0.0000	0.0416	-0.0095	-0.0022	0.0062	0.0000	0.0478	-0.0112	-0.0044	-0.0051	0.0000	0.1011	-0.0123	-0.0044	0.0111	0.0000					
Ladder 12kV	0.0363	-0.0149	-0.0171	0.0002	0.0062	0.0269	-0.0164	-0.0170	0.0002	-0.0013	0.0491	-0.0176	-0.0170	0.0003	0.0005	0.0565	-0.0189	-0.0169	0.0006	0.0000	0.1194	-0.0203	-0.0160	0.0005	0.0000					
Ladra 4.16kV	0.0039	-0.0413	-0.0642	0.0030	0.0000	0.0029	-0.0450	-0.0028	0.0037	0.0000	0.0052	-0.0453	-0.0016	0.0027	0.0000	0.0060	-0.0617	-0.0021	-0.0022	0.0000	0.0127	-0.0738	-0.0026	0.0048	0.0000					
Lager 12kV	0.0108	-0.0194	-0.0207	0.0001	0.0042	0.0080	-0.0217	-0.0025	0.0002	0.0146	-0.0236	-0.0023	0.0002	0.0010	0.0168	-0.0245	-0.0200	0.0006	0.0000	0.0355	-0.0258	-0.0192	0.0004	0.0000						
Lagoon 33kV	7.5000	0.0000	0.0000	0.0008	0.0000	0.0295	0.0000	0.0009	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Laird 12kV	0.0005	-0.0001	-0.0001	0.0001	0.0000	0.0001	-0.0001	-0.0001	0.0000	0.0000	0.0000	-0.0001	-0.0001	0.0000	0.0000	0.0000	-0.0001	-0.0001	0.0000	0.0000	0.0000	-0.0001	-0.0001	0.0000	0.0000					
Lake 4.16kV	0.0101	-0.0699	-0.0913	0.0051	0.0000	0.0075	-0.0659	-0.0608	0.0059	0.0000	0.0137	-0.0658	-0.0004	0.0038	0.0000	0.0157	-0.0696	-0.0006	-0.0008	0.0000	0.0333	-0.0237	-0.0008	0.0000	-0.0000					
Lakeland 12kV	0.0107	-0.0502	-0.0210	0.0033	-0.0006	0.0079	-0.0465	-0.0170	0.0036	-0.0018	0.0731	-0.0422	-0.0138	0.0017	-0.0018	0.0841	-0.0516	-0.0169	-0.0022	0.0009	0.1777	-0.0590	-0.0161	0.0036	-0.0044					
Lakota 12kV	0.0098	-0.0574	-0.0490	0.0065	0.0056	0.0072	-0.0609	-0.0456	0.0073	-0.0007	0.0132	-0.0618	-0.0434	0.0053	-0.0001	0.0152	-0.0768	-0.0465	-0.0006	0.0022	-0.0321	-0.0018	0.0432	0.0113	-0.0004					
Lamanda 16kV	0.3446	-0.1154	-0.0490	0.0200	0.0008	2.1000	-0.1058	-0.0410	0.0324	-0.0111	0.0255	-0.0948	-0.0346	0.0201	-0.0007	0.0270	-0.1145	-0.0411	-0.0009	-0.0133	0.0571	-0.1299	-0.0387	0.0038	-0.0004					
Lancers 12kV	0.0434	-0.0872	-0.0299	0.0019	-0.0059	0.0322	-0.0878	-0.0223	0.0022	-0.0007	0.0588	-0.0854	-0.0159	0.0015	-0.0013	0.0677	-0.1162	-0.0218	-0.0002	-0.018	0.1430	-0.1444	-0.0209	0.0033	-0.0044					
Landau 12kV	0.0335	-0.0330	-0.0217	0.0024	-0.0003	0.0249	-0.0286	-0.0158	0.0028	-0.0047	0.0419	-0.0246	-0.0109	0.0018	-0.0005	0.0482	-0.0928	-0.0154	-0.0023	-0.0071	0.0946	-0.0304	-0.0149	0.0037	-0.0004					
Landers 25kV	0.0356	-0.1136	-0.0131	0.0036	0.0000	0.0264	-0.1165	-0.0074	0.0040	0.0000	0.0483	-0.1140	-0.0024	0.0027	0.0000	0.0555	-0.1154	-0.0067	0.0000	0.0000	0.1172	-0.1922	-0.0058	0.0050	0.0000					
Landmark 12kV	0.0454	-0.0504	-0.0445	0.0021	0.0000	0.0337	-0.0536	-0.0439	0.0024	-0.0013	0.0616	-0.0552	-0.0440	0.0015	0.0000	0.0708	-0.0649	-0.0452	-0.0020	-0.0004	0.1496	-0.0745	-0.0417	0.0032	-0.0018					
Lane 4.16kV	0.0000	-0.0220	-0.0027	0.0013	0.0004	0.0000	-0.0226	-0.0016	0.0015	0.0000	0.0216	-0.0007	0.0011	-0.0002	0.0000	0.0290	-0.0015	0.0004	0.0000	0.0339	-0.0015	0.0023	0.0000	-0.0009						
Langer 16kV	0.0027	-0.0888	-0.0180	0.0101	-0.0003	0.0360	-0.0861	-0.0129	0.0114	-0.0018	0.0657	-0.0792	-0.0086	0.0074	-0.0026	0.0756	-0.1018	-0.0125	-0.0095	0.0031	0.1598	-0.1180	-0.0121	0.0154	-0.0013					
Langley 12kV	0.0322	-0.0823	-0.0420	0.0147	0.0046	0.0239	-0.0840	-0.0360	0.0166	-0.0014	0.0437	-0.0840	-0.0213	0.0108	-0.0034	0.0502	-0.1108	-0.0362	-0.0139	-0.0027	0.1061	-0.1391	-0.0341	0.0225	-0.0031					
Lantana 16kV	0.0367	-0.0128	-0.0091	0.0006	0.0000	0.0272	-0.0138	-0.0073	0.0007	0.0000	0.0497	-0.0310	-0.0016	0.0005	0.0000	0.0572	-0.0194	-0.0072	-0.0011	0.0000	0.1209	-0.0255	-0.0068	0.0008	0.0000					
Lanza 12kV	0.01910	-0.0099	-0.0120	0.0005	0.0032	0.0320	-0.0111	-0.0111	0.0005	0.0000	0.0322	-0.0120	-0.0103	0.0003	0.0000	0.0336	-0.0125	-0.0112	-0.0004	-0.0018	0.0355	-0.1312	-0.0132	0.0008	-0.0018					
Lapines 12kV	0.0443	-0.1102	-0.0194	0.0074	-0.0008	0.0329	-0.0971	-0.0119	0.0084	-0.0004	0.0618	-0.0832	-0.0054	0.0059	-0.0020	0.0690	-0.1041	-0.0111	-0.0007	0.0133	0.1458	-0.1387	-0.0111	0.0129	-0.0049					
Larabee 16kV	0.0811	-0.0381	-0.0639	0.0046	0.0040	0.0602	-0.0216	-0.0081	0.0114	-0.0017	0.0114	-0.0333	-0.0015	0.0000	0.0171	-0.0345	-0.0049	-0.0008	0.0000	0.0563	-0.0267	-0.0056	0.0092	-0.0004						
Larch 12kV	0.0305	-0.0589	-0.1070	0.0007	0.0000	0.0266	-0.0569	-0.1098	0.0009	0.0004	0.0047	-0.0716	-0.1140	0.0010	0.0000	0.0504	-0.1137	0.0002	0.0000	0.0115	-0.0784	-0.1044	0.0014	0.0000						
Laredo 12kV	0.0094	-0.0327	-0.0300	0.0004	0.0000	0.0070	-0.0376	-0.0290	0.0005	0.0000	0.0128	-0.0415	-0.0284	0.0008	0.0000	0.0147	-0.0525	-0.0290	0.0003	0.0000	0.0273	-0.0309	-0.0009	0.0000	0.0000					
Lariat 12kV	0.0068	-0.0906	-0.0196	0.0026	0.0031	0.0084	-0.0824	-0.0153	0.0029	-0.0001	0.0091	-0.0228	-0.0117	0.0019	-0.0012	0.0105	-0.0905	-0.0151	-0.0024	-0.0022	0.0222	-0.1045	-0.0144	0.0039	-0.0013					
Lark 4.2kV	0.0008	-0.0164	-0.0029	0.0015	0.0000	0.0006	-0.0191	-0.0018	0.0017	0.0000	0.0010	-0.0217	-0.0001	0.0000	0.0012	0.0346	-0.0112	-0.0004	0.0000	0.0000	0.0496	-0.0163	-0.0017	0.0000	0.0000					
Larra 12kV	0.0109	-0.0243	-0.0028	0.0033	0.0000	0.0034	-0.0469	-0.0118	0.0044	0.0000	0.0063	-0.0451	-0.0049	0.0030	0.0000	0.0272	-0.0627</													

Facility	2018						2019						2020						2021						2022					
	EE Demand (MW)	PV (MW) ^{1a}	EE (MW) ^{1b}	EV (MW) ^{1b}	LMDR (MW) ^{1b}	EE Demand (MW)	PV (MW) ^{1b}	EE (MW) ^{1b}	EV (MW) ^{1b}	LMDR (MW) ^{1b}	EE Demand (MW)	PV (MW) ^{2b}	EE (MW) ^{2b}	EV (MW) ^{2b}	LMDR (MW) ^{2b}	EE Demand (MW)	PV (MW) ^{2b}	EE (MW) ^{2b}	EV (MW) ^{2b}	LMDR (MW) ^{2b}	EE Demand (MW)	PV (MW) ^{2b}	EE (MW) ^{2b}	EV (MW) ^{2b}	LMDR (MW) ^{2b}					
Lesser 16kV	0.0803	-0.0765	-0.0795	0.0008	0.0000	0.0596	-0.0856	-0.0784	0.0010	0.0000	0.1088	-0.0930	-0.0777	0.0014	0.0000	0.1251	-0.0967	-0.0762	0.0023	0.0000	0.2645	-0.1019	-0.0735	0.0021	0.0000	0.0000				
Lester 12kV	0.1619	-0.0543	-0.0166	0.0075	0.0015	0.1602	-0.0529	-0.0116	0.0085	-0.0013	0.0805	-0.0503	-0.0073	0.0055	-0.0003	0.0925	-0.0672	-0.0113	-0.0071	-0.0009	0.1955	-0.0833	-0.0109	0.0115	-0.0013	0.0000				
Lettuce 12kV	0.0402	-0.0273	-0.0053	0.0002	0.0000	0.0195	-0.0267	-0.0051	0.0000	0.0000	0.0044	-0.0253	-0.0050	0.0003	0.0000	0.0050	-0.0273	-0.0048	0.0004	0.0000	0.0106	-0.0281	-0.0048	0.0003	0.0000	0.0000				
Leveche 12kV	0.0186	-0.1033	-0.0185	0.0020	0.0000	0.0138	-0.1035	-0.0141	0.0022	0.0000	0.0252	-0.0971	-0.0105	0.0015	0.0000	0.0289	-0.1223	-0.0139	-0.0030	0.0000	0.0612	-0.1376	-0.0134	0.0028	0.0000	0.0000				
Level 12kV	0.0270	-0.1104	-0.0280	0.0011	-0.0045	0.0200	-0.1269	-0.0225	0.0013	-0.0019	0.0366	-0.1391	-0.0180	0.0009	-0.0017	0.0420	-0.2101	-0.0223	-0.0001	-0.0022	0.0889	-0.2851	-0.0213	0.0020	-0.0049	0.0000				
Lewis 12kV	0.0461	-0.1910	-0.0034	0.0001	0.0000	0.0342	-0.0178	-0.0031	0.0002	0.0000	0.0625	-0.0164	-0.0029	0.0003	0.0000	0.0718	-0.0175	-0.0031	0.0006	0.0000	0.1518	-0.0176	-0.0030	0.0004	0.0000	0.0000				
Lexington 4.16kV	0.0000	-0.0118	-0.0021	0.0022	0.0000	0.0000	-0.0112	-0.0013	0.0025	0.0000	0.0000	-0.0104	-0.0006	0.0017	0.0000	0.0000	-0.0141	-0.0012	-0.0033	0.0000	0.0000	-0.0175	-0.0012	0.0031	0.0000	0.0000	0.0000			
Liberator 16kV	0.0149	-0.0615	-0.1055	0.0009	0.0000	0.0110	-0.0688	-0.1082	0.0011	0.0000	0.0202	-0.0747	-0.1121	0.0015	0.0000	0.0232	-0.0777	-0.1117	0.0025	0.0000	0.0490	-0.0819	-0.1027	0.0023	0.0000	0.0000				
Liberty 4.16kV	0.0024	-0.0162	-0.0076	0.0007	0.0000	0.0018	-0.0192	-0.0046	0.0009	0.0000	0.0032	-0.0218	-0.0020	0.0007	0.0000	0.0037	-0.0347	-0.0043	-0.0005	0.0000	0.0078	-0.0490	-0.0043	0.0012	0.0000	0.0000				
Lira 16kV	0.0000	-0.0459	-0.0520	0.0009	0.0017	0.0000	-0.0529	-0.0517	0.0011	0.0000	0.0000	-0.0588	-0.0520	0.0010	-0.0010	0.0000	-0.0736	-0.0528	0.0004	0.0000	0.0000	-0.0503	-0.0490	0.0018	0.0000	0.0000	0.0000			
Lidums 4.16kV	0.0023	-0.0153	-0.0075	0.0019	0.0005	0.0017	-0.0175	-0.0051	0.0022	-0.0001	0.0032	-0.0191	-0.0031	0.0015	-0.0017	0.0036	-0.0281	-0.0049	-0.0002	-0.0009	0.0000	-0.0361	-0.0048	0.0034	-0.0009	0.0000	0.0000			
Lift 12kV	0.0063	-0.0009	-0.0004	0.0000	0.0000	0.0047	-0.0010	-0.0004	0.0000	0.0000	0.0085	-0.0011	-0.0004	0.0000	0.0000	0.0098	-0.0011	-0.0004	0.0000	0.0000	0.0207	-0.0012	-0.0004	0.0001	0.0000	0.0000				
Lila 4.16kV	0.0037	-0.0238	-0.0046	0.0040	0.0000	0.0027	-0.0268	-0.0028	0.0045	0.0000	0.0000	-0.0288	-0.0012	0.0030	0.0000	0.0000	-0.0438	-0.0026	-0.0059	0.0000	0.0000	-0.0262	-0.0056	0.0000	0.0000	0.0000	0.0000			
Lily 4.16kV	0.0021	-0.0226	-0.0076	0.0003	0.0015	0.0016	-0.0238	-0.0065	0.0004	0.0000	0.0029	-0.0232	-0.0056	0.0003	0.0000	0.0033	-0.0298	-0.0065	0.0001	0.0000	0.0069	-0.0337	-0.0061	0.0006	0.0000	0.0000	0.0000			
Lima 12kV	0.0000	-0.0001	-0.0001	0.0001	0.0000	0.0000	-0.0001	-0.0001	0.0000	0.0000	0.0000	-0.0001	-0.0001	0.0000	0.0000	0.0000	-0.0001	-0.0001	0.0000	0.0000	0.0000	-0.0001	-0.0001	0.0000	0.0000	0.0000	0.0000			
Limb 12kV	0.0014	-0.0648	-0.0119	0.0010	0.0000	0.0530	-0.0433	-0.0071	0.0112	0.0000	0.0094	-0.0645	-0.0045	0.0030	0.0000	0.0013	-0.1112	0.0045	-0.0545	-0.0064	-0.0094	-0.0181	-0.0251	-0.0079	0.0066	0.0152	-0.0004			
Lime 4.16kV	0.0038	-0.0140	-0.0133	0.0021	0.0020	0.0028	-0.0148	-0.0107	0.0034	0.0002	0.0051	-0.0151	-0.0086	0.0017	0.0000	0.0059	-0.0191	0.0100	-0.0002	0.0000	0.0125	-0.0231	-0.0101	0.0037	-0.0009	0.0000	0.0000			
Lining 12kV	0.0000	-0.0645	-0.0327	0.0041	0.0009	0.0000	-0.0645	-0.0295	0.0046	0.0016	0.0000	-0.0626	-0.0272	0.0033	-0.0013	0.0000	-0.0793	-0.0300	-0.0004	-0.0133	0.0000	-0.0558	-0.0280	0.0071	-0.0031	0.0000	0.0000			
Limited 3.12kV	0.0107	-0.0630	-0.0248	0.0015	0.0003	0.0079	-0.0588	-0.0208	0.0017	0.0007	0.0144	-0.0537	-0.0175	0.0011	-0.0003	0.0166	-0.0651	-0.0208	-0.0014	-0.0004	0.0355	-0.0743	-0.0196	-0.0009	0.0023	0.0000				
Limonite 33kV	0.0035	-0.0045	-0.0041	0.0004	0.0000	0.0026	-0.0050	-0.0040	0.0005	0.0000	0.0047	-0.0055	-0.0039	0.0006	0.0000	0.0054	-0.0057	-0.0038	0.0015	0.0000	0.0115	-0.0037	0.0011	0.0000	0.0000	0.0000				
Linda Vista 12kV	1.2062	-0.0250	-0.0151	0.0045	0.0005	1.1757	-0.0212	-0.0107	0.0051	1.1319	-0.0180	-0.0070	0.0033	-0.0010	0.0342	-0.0204	-0.0103	-0.0043	-0.0018	0.3733	-0.0215	-0.0100	0.0069	-0.0018	0.0000					
Lindberg 12kV	0.0343	-0.0579	-0.0464	0.0009	-0.0007	0.0254	-0.0623	-0.0422	0.0011	-0.0010	0.0464	-0.0635	-0.0392	0.0010	-0.0012	0.0534	-0.0797	-0.0425	0.0004	0.0000	0.1128	-0.0528	-0.0400	0.0018	-0.0013	0.0000				
Linder 12kV	0.0787	-0.0266	-0.0114	0.0022	0.0000	0.0584	-0.0284	-0.0103	0.0025	0.0000	0.1067	-0.0296	-0.0093	0.0017	0.0000	0.1227	-0.0321	-0.0102	-0.0040	0.0000	0.2592	-0.0347	-0.0102	0.0029	0.0000	0.0000				
Lindero 16kV	0.0215	-0.1052	-0.0214	0.0075	-0.0009	0.0159	-0.0999	-0.0130	0.0085	-0.0222	0.0291	-0.0903	-0.0057	0.0060	-0.0002	0.0334	-0.1153	-0.0121	-0.0007	-0.0009	0.0707	-0.1321	-0.0121	0.0132	-0.0049	0.0000				
Linebacker 12kV	0.0089	-0.0975	-0.0357	0.0030	0.0041	0.0066	-0.0970	-0.0336	0.0034	0.0010	0.0202	-0.0942	-0.0233	0.0024	-0.0020	0.0138	-0.1229	-0.0344	-0.0003	-0.0004	0.0292	-0.1509	-0.0319	0.0052	-0.0004	0.0000				
Linnell 12kV	0.0285	-0.0509	-0.0179	0.0027	0.0142	0.0211	-0.0465	-0.0141	0.0030	-0.0087	0.0366	-0.0414	-0.0109	0.0019	-0.0049	0.0443	-0.0478	-0.0139	-0.0025	-0.0027	0.0937	-0.0517	-0.0134	0.0041	-0.0062	0.0000				
Linnet 2.4kV	0.0008	-0.0151	-0.0027	0.0013	0.0000	0.0177	-0.0016	0.0014	0.0000	0.0000	0.0201	-0.0201	-0.0006	0.0009	0.0012	0.0322	-0.0194	-0.0019	0.0000	0.0000	0.0463	-0.0015	0.0015	0.0018	0.0000	0.0000				
Livemore 12kV	0.0450	-0.1610	-0.0188	0.0032	0.0008	0.3684	-0.1362	-0.0124	0.0036	0.0000	0.0610	-0.1084	-0.0068	0.0023	-0.0007	0.0701	-0.1204	-0.0117	-0.0030	-0.0022	0.1482	-0.1196	-0.0116	0.0048	-0.0007	0.0000				
Lizard 4.8kV	0.0000	-0.0011	-0.0001	0.0000	0.0000	0.0000	-0.0208	-0.0058	0.0004	0.0000	0.0202	-0.0265	-0.0065	0.0006	-0.0012	0.0274	-0.0371	-0.0063	-0.0047	-0.0007	0.0293	-0.0517	-0.0009	0.0000	0.0000	0.0000				
Llewellyn 4.16kV	0.0124	-0.0224	-0.0368	0.0009	-0.0136	0.0092	-0.0251	-0.0368	0.0011	0.0003	0.0168	-0.0270	-0.0374	0.0014	-0.0076	0.0193	-0.0296	-0.0380	0.0034	-0.0009	0.0409	-0.0222	-0.0358	0.0000	-0.0004	0.0000				
Lock 4.16kV	0.0038	-0.0323	-0.0079	0.0017	0.0000	0.0028	-0.0387	-0.0049	0.0019	0.0000	0.0051	-0.0431	-0.0023	0.0013	0.0000	0.0059	-0.0678	-0.0046	-0.0031	-0.0000	0.0125	-0.0913	-0.0046	0.0022	0.0000	0.0000				
Lockhart 33kV	0.04554	-0.0009	-0.0014	0.0017	0.0001	0.0411	-0.0010	-0.0015	0.0009	0.0002	0.0511	-0.0011	-0.0015	0.0012	-0.0002	0.0684	-0.0012	-0.0015	-0.0016	0.0000	0.1836	-0.0013	0.0014	0.0025	0.0000	0.0000				
Lockner 12kV	0.0315	-0.0735	-0.0125	0.0017	0.0008	0.0234	-0.0639	-0.0080	0.0020	0.0000	0.0049	-0.0773	-0.0125	0.0004	-0.0001	0.0491	-0.0626	-0.0076	0.0004	0.0004	0.1039	-0.0667	-0.0075	0.0020	-0.0022	0.0				

Facility	2018						2019						2020						2021						2022					
	ee Demand (MW)	PV (MW) ^{1a}	EE (MW) ^{1b}	EV (MW) ^{1c}	LMDR (MW) ^{1d}	ee Demand (MW)	PV (MW) ^{1e}	EE (MW) ^{1f}	EV (MW) ^{1g}	LMDR (MW) ^{1h}	ee Demand (MW)	PV (MW) ¹ⁱ	EE (MW) ^{1j}	EV (MW) ^{1k}	LMDR (MW) ^{1l}	ee Demand (MW)	PV (MW) ^{1m}	EE (MW) ¹ⁿ	EV (MW) ^{1o}	LMDR (MW) ^{1p}	ee Demand (MW)	PV (MW) ^{1q}	EE (MW) ^{1r}	EV (MW) ^{1s}	LMDR (MW) ^{1t}					
Luz 33kV	0.0496	-0.0001	0.0000	0.0000	0.0000	0.0368	-0.0001	0.0000	0.0000	0.0000	0.0672	-0.0001	0.0000	0.0000	0.0722	-0.0001	0.0000	0.0000	0.0000	0.1632	-0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		
Lyle 12kV	0.0322	-0.0323	-0.0164	0.0116	-0.0076	0.0239	-0.0313	-0.0110	0.0131	0.0007	0.0437	-0.0295	-0.0064	0.0085	-0.0023	0.0502	-0.0389	-0.0105	-0.0109	-0.0031	0.1061	-0.0479	-0.0103	0.0177	-0.0027					
Lyndora 4.16kV	0.0038	-0.0383	-0.0061	0.0007	0.0000	0.0028	-0.0434	-0.0037	0.0009	0.0000	0.0051	-0.0454	-0.0016	0.0007	0.0000	0.0059	-0.0656	-0.0034	-0.0006	0.0000	0.0125	-0.0818	-0.0034	0.0012	0.0000					
Lynne 12kV	0.0216	-0.0888	-0.0421	0.0030	0.0048	0.0160	-0.0899	-0.0368	0.0036	-0.0005	0.0293	-0.0883	-0.0326	0.0032	-0.0009	0.0336	-0.1150	-0.0371	0.0013	-0.0013	0.0711	-0.1401	-0.0348	0.0058	-0.0004					
Lynx 12kV	0.0065	-0.0267	-0.0243	0.0007	-0.0066	0.0048	-0.0289	-0.0235	0.0009	0.0008	0.0080	-0.0294	-0.0232	0.0008	-0.0012	0.0092	-0.0348	-0.0241	0.0003	0.0000	0.0194	-0.0386	-0.0223	0.0014	0.0000					
Lyons 16kV	0.0016	-0.1533	-0.0527	0.0061	0.0078	1.7312	-0.1417	-0.0456	0.0069	0.0007	1.6521	-0.1239	-0.0400	0.0049	-0.0024	1.6822	-0.1414	-0.0459	-0.0006	-0.0013	1.3652	-0.1472	-0.0431	0.0107	-0.0027					
Lyle 12kV	0.0227	-0.1625	-0.0378	0.0029	-0.0052	0.0140	-0.1610	-0.0324	0.0033	-0.0003	0.0256	-0.1532	-0.0279	0.0023	-0.0099	0.0295	-0.1944	-0.0318	-0.0003	0.0009	0.0623	-0.2268	-0.0305	0.0050	-0.0050	0.0003	0.0000	0.0000	0.0000	
Lytton 4.16kV	0.0076	-0.0038	-0.0064	0.0005	0.0011	0.0056	-0.0038	0.0006	0.0006	0.0103	-0.0039	-0.0055	0.0005	0.0004	0.0118	-0.0043	-0.0060	0.0002	-0.0004	0.0249	-0.0043	-0.0056	0.0010	0.0000						
M.G.M. 16kV	0.0081	-0.0350	-0.0484	0.0010	0.0064	5.0000	-0.0375	-0.0494	0.0013	-0.0008	5.0000	-0.0388	-0.0511	0.0017	-0.0005	0.0125	-0.0412	-0.0511	0.0041	0.0000	0.0265	-0.0430	-0.0470	0.0030	0.0000					
Mass 4.16kV	0.0024	-0.0126	-0.0079	0.0007	0.0003	0.0018	-0.0135	-0.0063	0.0008	0.0004	0.0032	-0.0140	-0.0049	0.0005	-0.0006	0.0037	-0.0194	-0.0061	-0.0006	0.0000	0.0078	-0.0259	-0.0059	0.0010	-0.0004					
Mobile 12kV	0.0056	-0.0846	-0.0778	0.0028	0.0005	0.0042	-0.0911	-0.0773	0.0032	0.0001	0.0076	-0.0943	-0.0780	0.0021	-0.0007	0.0088	-0.1074	-0.0796	-0.0027	0.0000	0.0186	-0.1184	-0.0734	0.0043	-0.0009					
Macadamia 12kV	0.0079	-0.0417	-0.0524	0.0007	0.0048	0.0046	-0.0533	0.0009	0.0009	0.0108	-0.0465	-0.0549	0.0011	-0.0018	0.0062	-0.0514	-0.0550	0.0002	0.0000	0.0131	-0.0564	-0.0506	0.0015	0.0000						
Machine 12kV	0.0270	-0.0546	-0.0538	0.0002	0.0069	0.0200	-0.0618	-0.0530	0.0003	0.0199	-0.0674	-0.0529	0.0004	0.0005	0.0240	-0.0818	-0.0533	-0.0004	0.0089	0.0066	-0.0009	0.0006	0.0000							
Madeira 12kV	0.0026	-0.0372	-0.0232	0.0193	-0.0078	0.0175	-0.0423	-0.0171	0.0017	-0.0031	0.0319	-0.0458	-0.0119	0.0141	-0.0014	0.0367	-0.0662	-0.0167	-0.0018	-0.0035	0.0776	-0.0860	-0.0161	0.0294	-0.0035					
Madeira 12kV	0.0026	-0.0372	-0.0232	0.0193	-0.0078	0.0175	-0.0423	-0.0171	0.0017	-0.0031	0.0319	-0.0458	-0.0119	0.0141	-0.0014	0.0367	-0.0662	-0.0167	-0.0018	-0.0035	0.0776	-0.0860	-0.0161	0.0294	-0.0035					
Makaha 12kV	0.0072	-0.0668	0.0112	0.0005	0.0003	0.0062	-0.0682	-0.0079	0.0005	0.0000	0.0368	-0.0500	-0.0048	0.0004	0.0000	0.0424	-0.0856	-0.0079	0.0000	0.0004	0.0897	-0.0073	-0.0008	0.0008	-0.0037					
Makemba 12kV	0.0540	-0.0417	-0.0210	0.0001	0.0020	0.0040	-0.0465	-0.0204	0.0002	0.0000	0.0376	-0.0502	-0.0200	0.0003	0.0000	0.0432	-0.0530	-0.0200	0.0005	0.0000	0.0114	-0.0561	-0.0198	0.0003	0.0000					
Mary 4.16kV	0.0136	-0.0267	-0.0056	0.0007	0.0101	0.0247	-0.0038	0.0008	0.0001	0.0000	0.0222	-0.0023	0.0005	0.0000	0.0000	0.0266	-0.0371	-0.0007	0.0000	0.0000	0.0340	-0.0036	0.0011	-0.0018						
Madera 4.16kV	0.0112	-0.0301	-0.0056	0.0035	0.0000	0.0082	-0.0347	-0.0033	0.0107	0.0000	0.0152	-0.0370	-0.0013	0.0081	0.0000	0.0175	-0.0544	-0.0030	0.0234	0.0000	0.0370	-0.0694	-0.0030	0.0148	0.0000					
Madison 16kV	0.0110	-0.0538	-0.0809	0.0026	0.0000	0.0081	-0.0600	-0.0810	0.0031	0.0000	0.0149	-0.0645	-0.0822	0.0047	0.0000	0.0171	-0.0703	-0.0832	0.0021	0.0000	0.0361	-0.0756	-0.0768	0.0055	0.0000					
Madrone 4.16kV	0.0000	-0.0185	-0.0052	0.0039	0.0000	0.0186	-0.0032	0.0044	0.0000	0.0000	0.0182	-0.0184	-0.0004	0.0029	0.0000	0.0259	-0.0309	-0.0058	0.0000	0.0000	0.0339	-0.0300	0.0054	0.0000						
Magazine 12kV	0.0140	-0.0626	-0.0136	0.0080	0.0004	0.0104	-0.0630	-0.0108	0.0090	0.0005	0.0190	-0.0600	-0.0085	0.0058	0.0000	0.0219	-0.0764	-0.0107	0.0000	0.0000	0.0462	-0.0879	-0.0103	0.0122	-0.0018					
Magenta 12kV	0.0058	-0.0457	-0.0569	0.0012	0.0093	0.0043	-0.0510	-0.0569	0.0015	0.0000	0.0202	-0.0550	-0.0575	0.0021	0.0000	0.0449	-0.0570	-0.0550	0.0000	0.0000	0.0613	-0.0537	0.0036	0.0000						
Magic 16kV	0.0073	-0.0297	-0.0337	0.0005	0.0000	0.0054	-0.0332	-0.0007	0.0000	0.0000	0.0360	-0.0335	-0.0009	0.0000	0.0104	-0.0375	-0.0330	0.0015	0.0000	0.0188	-0.0395	-0.0314	0.0014	0.0000						
Magnetic 4.16kV	0.0092	-0.0096	-0.0073	0.0016	0.0006	0.0110	-0.0061	0.0019	0.0000	0.0000	0.0113	-0.0050	0.0016	0.0000	0.0150	-0.0063	0.0007	0.0000	0.0000	0.0179	-0.0057	0.0030	0.0000	-0.0013						
Magnolia 12kV	0.0412	-0.1072	-0.0256	0.0047	0.0060	0.0305	-0.1026	-0.0204	0.0053	-0.0014	0.0558	-0.0942	-0.0161	0.0034	0.0000	0.0641	-0.1197	-0.0202	-0.0044	-0.0013	0.1355	-0.1398	-0.0192	0.0071	-0.0022					
Mago 12kV	0.0585	-0.1275	-0.0225	0.0090	-0.0004	0.0434	-0.1085	-0.0158	0.0103	-0.0012	0.0721	-0.0883	-0.0101	0.0072	-0.0014	0.0829	-0.1010	-0.0153	-0.0008	-0.0031	0.1753	-0.1056	-0.0148	0.0158	-0.0031					
Mague 12kV	0.0581	-0.1413	-0.0321	0.0009	-0.0009	0.0431	-0.1450	-0.0254	0.0010	-0.0001	0.0787	-0.1394	-0.0199	0.0007	-0.0011	0.0905	-0.1810	-0.0252	-0.0009	-0.0035	0.1912	-0.2089	-0.0240	0.0014	-0.0044					
Maguire 16kV	0.0561	-0.0475	-0.0155	0.0026	0.0000	0.0146	-0.0481	-0.0123	0.0000	0.0000	0.0231	-0.0467	-0.0123	0.0000	0.0000	0.0874	-0.0598	-0.0122	-0.0036	0.0000	0.1847	-0.0706	-0.0116	0.0286	0.0000					
Main St. 4.16kV	0.0023	-0.0153	-0.0063	0.0010	0.0000	0.0158	-0.0158	-0.0001	0.0001	0.0000	0.0158	-0.0158	-0.0001	0.0000	0.0000	0.0231	-0.0231	-0.0034	0.0068	0.0000	0.0314	-0.0034	0.0000	0.0000	-0.0000					
Maitland 4.16kV	0.0040	-0.0162	-0.0039	0.0003	0.0005	0.0029	-0.0158	-0.0001	0.0000	0.0000	0.0029	-0.0158	-0.0001	0.0000	0.0000	0.0204	-0.0208	0.0000	-0.0004	0.0130	-0.0254	-0.0027	0.0005	0.0000						
Maire 12kV	0.0238	-0.0415	-0.0195	0.0091	0.0005	0.0176	-0.0833	-0.0103	0.0034	-0.0025	0.0322	-0.0744	-0.0044	0.0024	-0.0009	0.0370	-0.0964	-0.0096	-0.0003	-0.0018	0.0782	-0.1150	-0.0096	0.0533	-0.0027					
Manteca 12kV	0.0238	-0.0906	-0.0171	0.0030	-0.0004	0.0176	-0.0833	-0.0103	0.0034	-0.0025	0.0322	-0.0744	-0.0044	0.0024	-0.0009	0.0370	-0.0964	-0.0096	-0.0003	-0.0018	0.0782	-0.1150								

Facility	2018					2019					2020					2021					2022				
	EE Demand (MW)	PV (MW) ^{1a}	EE (MW) ^{1b}	EV (MW) ^{1b}	LMDR (MW) ^{1b}	EE Demand (MW)	PV (MW) ^{1b}	EE (MW) ^{1b}	EV (MW) ^{1b}	LMDR (MW) ^{1b}	EE Demand (MW)	PV (MW) ^{2b}	EE (MW) ^{2b}	EV (MW) ^{2b}	LMDR (MW) ^{2b}	EE Demand (MW)	PV (MW) ^{2b}	EE (MW) ^{2b}	EV (MW) ^{2b}	LMDR (MW) ^{2b}	EE (MW) ^{2b}	EV (MW) ^{2b}	LMDR (MW) ^{2b}		
Marty 12kV	0.0198	-0.0321	-0.0162	0.0012	0.0019	0.0147	-0.0328	-0.0126	0.0015	0.0004	0.0268	-0.0326	-0.0096	0.0013	-0.0014	0.0308	-0.0443	-0.0124	0.0005	-0.018	0.0651	-0.0568	-0.0119	0.0023	-0.0004
Marvin 33kV	0.0330	0.0000	0.0000	0.0001	0.0000	0.0245	0.0000	0.0002	0.0000	0.0447	0.0000	0.0000	0.0001	0.0000	0.0514	0.0000	0.0000	0.0001	0.0000	0.1087	0.0000	0.0000	0.0002	0.0000	
Marx 12kV	0.0585	-0.0095	-0.0219	0.0090	0.0000	0.0434	-0.0820	-0.0144	0.0111	0.0000	0.0721	-0.0679	-0.0080	0.0082	0.0000	0.0829	-0.0771	-0.0137	-0.0067	0.0000	0.1753	-0.0807	-0.0135	0.0146	0.0000
Mary 12kV	0.0056	-0.0844	-0.0448	0.0037	0.0068	0.0042	-0.0916	-0.0405	0.0045	0.0007	0.0076	-0.0930	-0.0373	0.0039	-0.0007	0.0088	-0.1224	-0.0411	0.0016	-0.0018	0.0186	-0.1446	-0.0384	0.0072	-0.0018
Maryland 12kV	0.0052	-0.0683	-0.0213	0.0056	0.0029	0.0038	-0.0681	-0.0194	0.0064	0.0005	0.0070	-0.0649	-0.0179	0.0045	-0.0005	0.0081	-0.0824	-0.0197	-0.0005	0.0000	0.0170	-0.0965	-0.0183	0.0098	0.0000
Mashie 12kV	0.0051	-0.0209	-0.0256	0.0022	0.0057	0.0038	-0.0234	-0.0257	0.0025	0.0008	0.0069	-0.0253	-0.0260	0.0018	0.0001	0.0080	-0.0266	-0.0259	-0.0002	-0.0018	0.0169	-0.0283	-0.0242	0.0038	0.0000
Massachusetts 12kV	0.0052	-0.0990	-0.0393	0.0073	0.0031	0.0038	-0.0969	-0.0342	0.0083	0.0005	0.0070	-0.0906	-0.0302	0.0059	-0.0009	0.0081	-0.1120	-0.0345	-0.0007	-0.0013	0.0170	-0.1282	-0.0323	0.0128	-0.0022
Massacre 12kV	0.0315	-0.0867	-0.0289	0.0028	0.0054	0.0234	-0.0809	-0.0237	0.0031	0.0017	0.0427	-0.0723	-0.0194	0.0020	-0.0003	0.0491	-0.0863	-0.0236	-0.0026	-0.0009	0.1039	-0.0593	-0.0224	0.0042	0.0000
Most 12kV	0.0171	-0.0202	-0.0190	0.0048	0.0000	0.0127	-0.0216	-0.0195	0.0055	0.0000	0.0232	-0.0246	-0.0203	0.0038	0.0000	0.0267	-0.0256	-0.0202	-0.0088	0.0000	0.0564	-0.0270	-0.0186	0.0064	0.0000
Matador 12kV	0.0061	-0.0623	-0.0200	0.0037	0.0000	0.0045	-0.0551	-0.0158	0.0041	0.0000	0.0083	-0.0465	-0.0123	0.0027	0.0000	0.0095	-0.0505	-0.0156	-0.0055	0.0000	0.0201	-0.0505	0.0051	0.0000	
Matera 12kV	0.0602	-0.0734	-0.0535	0.0032	0.0045	0.0447	-0.0720	-0.0521	0.0036	-0.0007	0.0816	-0.0696	-0.0516	0.0024	-0.0017	0.0938	-0.0783	-0.0535	-0.0030	0.0004	0.1984	-0.0857	-0.0494	0.0049	-0.0009
Mateus 12kV	0.0434	-0.0552	-0.0337	0.0013	0.0041	0.0322	-0.0557	-0.0299	0.0015	-0.0005	0.0588	-0.0548	-0.0270	0.0010	-0.0008	0.0677	-0.0702	-0.0303	-0.0001	-0.0013	0.1430	-0.0853	-0.0283	0.0023	-0.0009
Mathias 12kV	0.0488	-0.0458	-0.0284	0.0003	0.0062	0.0488	-0.0444	-0.0261	0.0004	-0.0022	0.0488	-0.0420	-0.0245	0.0003	-0.0003	0.0488	-0.0504	-0.0266	0.0001	0.0048	-0.0248	-0.0248	0.0006	-0.0009	
Matiolia 16kV	1.5543	-0.1561	-0.0442	0.0044	0.0061	0.1715	-0.1412	-0.0405	0.0050	0.0319	-0.1207	-0.0379	0.0035	-0.0027	0.0657	-0.1352	-0.0413	-0.0040	-0.0018	0.0775	-0.1387	-0.0384	0.0077	-0.0031	
Matitudes 12kV	0.0053	-0.0201	-0.0191	0.0045	0.0000	0.0159	-0.0201	-0.0191	0.0050	0.0000	0.0160	-0.0201	-0.0191	0.0000	0.0000	0.0160	-0.0201	-0.0191	-0.0001	0.0000	0.0160	-0.0201	0.0000	-0.0004	
Maurer 4.16kV	0.0057	-0.0203	-0.0072	0.0029	0.0042	0.0169	-0.0059	0.0033	0.0004	0.0077	-0.0193	-0.0046	0.0023	-0.0001	0.0091	-0.0257	-0.0059	-0.0003	0.0009	0.0167	-0.0318	-0.0056	0.0050	-0.0003	
Mattenhorn 12kV	0.0473	-0.1560	-0.0403	0.0006	0.0002	0.0351	-0.1286	-0.0338	0.0006	0.0008	0.0641	-0.1075	-0.0267	0.0004	-0.0028	0.0737	-0.1230	-0.0372	0.0005	0.0181	-0.1558	-0.1312	-0.0309	0.0009	
Mault 12kV	0.0294	-0.0406	-0.0212	0.0211	0.0000	0.0218	-0.0394	-0.0091	0.0024	0.0000	0.0299	-0.0374	-0.0065	0.0016	0.0000	0.0488	-0.0487	-0.0080	-0.0031	0.0000	0.0569	-0.0386	-0.0229	0.0000	
Maulhardt 16kV	2.0891	-0.0899	-0.0777	0.0025	0.0037	0.1566	-0.0959	-0.0737	0.0330	-0.0014	0.2860	-0.0997	-0.0712	0.0026	-0.0015	0.1070	-0.1269	-0.0753	0.0013	0.0000	0.2262	-0.1564	-0.0698	0.0049	-0.0004
Maus Los 12kV	0.0131	-0.0344	-0.0378	0.0014	0.0037	0.0097	-0.0365	-0.0375	0.0016	0.0005	0.0177	-0.0379	-0.0379	0.0011	-0.0006	0.0204	-0.0348	-0.0382	-0.0001	0.0000	0.0439	-0.0500	-0.0356	0.0205	-0.0004
Maverick 12kV	0.0000	-0.0394	-0.0056	0.0004	0.0000	0.0408	-0.0035	0.0004	0.0000	0.0000	0.0403	-0.0018	0.0003	0.0000	0.0000	0.0553	-0.0033	-0.0006	0.0000	0.0000	0.0676	-0.0033	0.0005	0.0000	
Maxin 12kV	0.0071	-0.0897	-0.0301	0.0037	0.0074	0.0593	-0.0822	-0.0208	0.0042	-0.0094	0.0096	-0.0725	-0.0129	0.0027	-0.0004	0.0105	-0.0883	-0.0199	-0.0035	0.0151	-0.0222	-0.0222	-0.0093	-0.0196	-0.0053
Maximus 16kV	0.5768	-0.1213	-0.0272	0.0112	0.0002	0.0253	-0.0967	-0.0186	0.0126	0.0000	0.0462	-0.0743	-0.0112	0.0082	0.0000	0.0531	-0.0804	-0.0178	-0.0105	-0.0035	0.1123	-0.0798	-0.0174	-0.0040	
Maxine 4.16kV	0.0008	-0.0266	-0.0045	0.0017	0.0004	0.0281	-0.0026	0.0020	-0.0006	0.0011	0.0281	-0.0021	0.0014	-0.0002	0.0012	-0.0397	-0.0024	-0.0002	-0.0004	0.0026	-0.0496	-0.0224	0.0030	-0.0004	
Maxson 16kV	0.1594	-0.1121	-0.0356	0.0188	0.0091	0.0101	-0.1100	-0.0301	0.0212	0.0009	0.0184	-0.1062	-0.0256	0.0137	-0.0026	0.0211	-0.1322	-0.0298	-0.0177	-0.0009	0.0446	-0.1566	-0.0287	0.0022	
Mayan 12kV	0.0043	-0.0334	-0.0193	0.0030	-0.0081	0.0032	-0.0296	-0.0138	0.0034	-0.0061	0.0059	-0.0259	-0.0092	0.0024	-0.0015	0.0067	-0.0298	-0.0134	-0.0003	0.053	-0.1012	-0.0322	-0.0130	0.0053	
Maybell 12kV	0.0000	-0.0941	-0.0261	0.0098	0.0029	0.0000	-0.0976	-0.0205	0.0110	0.0000	0.0965	-0.0159	0.0071	-0.0013	0.0000	0.0100	-0.1300	-0.0203	-0.0092	-0.0018	0.0000	0.1593	-0.0194	-0.0222	0.0000
Maye 33kV	0.0361	-0.0001	0.0000	0.0024	0.0000	0.0268	-0.0000	0.0000	0.0027	0.0000	0.0489	-0.0000	0.0000	0.0017	0.0000	0.0562	-0.0000	0.0000	0.0000	0.0000	0.0036	0.0000	0.0000	0.0000	
Mayfair 4.16kV	0.0025	-0.0181	-0.0058	0.0014	0.0000	0.0019	-0.0207	-0.0034	0.0018	0.0001	0.0019	-0.0218	-0.0002	0.0002	-0.0009	0.0039	-0.0318	-0.0031	0.0004	0.0000	0.0083	-0.0404	-0.0031	0.0029	
Mayo 16kV	0.0295	-0.0278	-0.0185	0.0009	0.0000	0.0219	-0.0308	-0.0180	0.0011	0.0000	0.0399	-0.0311	-0.0179	0.0008	0.0000	0.0459	-0.0366	-0.0185	-0.0006	0.0000	0.0570	-0.0410	-0.0171	0.0014	
Mays 12kV	0.0000	-0.0283	-0.0239	0.0005	0.0000	0.0276	-0.0233	0.0006	0.0003	0.0000	0.0260	-0.0232	0.0005	0.0000	0.0000	0.0277	-0.0239	0.0002	0.0000	0.0000	0.0283	-0.0211	0.0010	0.0000	
Mazatlan 12kV	0.0147	-0.0411	-0.0136	0.0043	0.0001	0.0109	-0.0394	-0.0101	0.0049	0.0001	0.0199	-0.0369	-0.0072	0.0034	-0.0002	0.0229	-0.0482	-0.0099	-0.0004	0.0485	-0.0582	-0.0095	0.0075	-0.0004	
McBee 12kV	0.0016	-0.1538	-0.0528	0.0031	-0.0012	0.1333	-0.0559	-0.0038	0.0001	0.0251	-0.1216	-0.0040	0.0013	-0.0007	0.0222	-0.1458	-0.0040	0.0013	-0.0051	-0.0353	-0.0069	-0.0013	-0.0043		
McCalum 4.16kV	0.0045	-0.0049	-0.0040	0.0003	0.0000	0.0034	-0.0041	-0.0031	0.0004	-0.0003	0.0062	-0.0035	-0.0016	0.0004	0.0001	0.0071	-0.0043	-0.0023	-0.0004	0.0150	-0.0445	-0.0039	0.0007	-0.0004	
McDonnell 16kV	0.0214	-0.0204	-0.0156	0.0033	0.0000	0.0155	-0.0243	-0.0048	0.0010	0.0015	0.0284	-0.0718	-0.0483	0.0012	-0.0015	0.0326	-0.0969	-0.0508	-0.0002	-0.0013	0.0690	-0.1206	-0.0472	0.0016	
McEnroe 12kV	0.0558	-0.0638	-0.0872	0.0009	0.0000	0.0414	-0.0714	-0.0887	0.0012	0.0000	0.0756	-0.0775	-0.0913	0.0017	0										

Facility	2018					2019					2020					2021					2022				
	EE Demand (MW)	PV (MW) ^{1a}	EE (MW) ^{1b}	EV (MW) ^{1b}	LMDR (MW) ^{1b}	EE Demand (MW)	PV (MW) ^{1b}	EE (MW) ^{1b}	EV (MW) ^{1b}	LMDR (MW) ^{1b}	EE Demand (MW)	PV (MW) ^{2b}	EE (MW) ^{2b}	EV (MW) ^{2b}	LMDR (MW) ^{2b}	EE Demand (MW)	PV (MW) ^{2b}	EE (MW) ^{2b}	EV (MW) ^{2b}	LMDR (MW) ^{2b}	EE Demand (MW)	PV (MW) ^{2b}	EE (MW) ^{2b}	EV (MW) ^{2b}	LMDR (MW) ^{2b}
Meridian 16kV	0.365	-0.0788	-0.0793	0.0016	-0.0075	0.0271	-0.0878	-0.0768	0.0019	-0.0026	0.0495	-0.0946	-0.0754	0.0026	-0.0012	0.0567	-0.1154	-0.0775	0.0062	0.0000	0.1198	-0.1383	-0.0726	0.0046	-0.0013
Merlin 16kV	0.0561	-0.0472	-0.0155	0.0061	0.0011	0.0416	-0.0486	-0.0110	0.0069	0.0013	0.0760	-0.0477	-0.0073	0.0045	-0.0008	0.0874	-0.0644	-0.0107	-0.0057	0.0000	0.1847	-0.0792	-0.0104	0.0093	-0.0004
Merlo 12kV	0.0094	-0.0696	-0.0151	0.0030	0.0001	0.0070	-0.0618	-0.0100	0.0034	-0.0014	0.0128	-0.0534	-0.0056	0.0024	-0.0013	0.0147	-0.0650	-0.0095	-0.0003	0.0009	0.0311	-0.0736	-0.0094	0.0053	-0.0013
Merrit 12kV	0.4739	-0.0205	-0.0082	0.0001	0.0000	0.0689	-0.0224	-0.0080	0.0003	0.0000	0.0644	-0.0238	-0.0078	0.0003	0.0000	0.0740	-0.0250	-0.0080	0.0011	0.0000	0.1066	-0.0262	-0.0080	0.0005	0.0000
Merryman 12kV	0.0673	-0.0197	-0.0050	0.0004	0.0000	0.0500	-0.0194	-0.0042	0.0005	0.0000	0.0913	-0.0182	-0.0036	0.0007	0.0000	0.01049	-0.0206	-0.0042	0.0003	0.0000	0.2217	-0.0217	-0.0041	0.0009	0.0000
Mervin 4.16kV	0.0027	-0.0275	-0.0063	0.0016	0.0000	0.0200	-0.0327	-0.0039	0.0020	0.0000	0.0307	-0.0367	-0.0019	0.0015	0.0000	0.0042	-0.0571	-0.0037	-0.0012	0.0000	0.0089	-0.0776	-0.0037	0.0027	0.0000
Mesa Grande 12kV	0.104	-0.0990	-0.0126	0.0005	0.0001	0.0077	-0.0893	-0.0079	0.0006	-0.0001	0.0141	-0.0744	-0.0040	0.0008	-0.0012	0.0162	-0.0879	-0.0075	0.0002	0.0000	0.0342	-0.0933	-0.0074	0.0010	-0.0009
Mescal 12kV	0.0870	-0.0297	-0.0412	0.0013	0.0045	0.0870	-0.0332	-0.0421	0.0015	-0.0001	0.0870	-0.0361	-0.0435	0.0009	-0.0006	0.0870	-0.0375	-0.0433	-0.0012	0.0000	0.1422	-0.0395	-0.0099	0.0020	0.0000
Mesmer 4.16kV	0.0060	-0.0241	-0.0067	0.0027	0.0007	0.0044	-0.0246	-0.0053	0.0033	-0.0007	0.0081	-0.0233	-0.0042	0.0029	-0.0002	0.0093	-0.0291	-0.0053	0.0012	-0.0004	0.0197	-0.0322	-0.0050	0.0053	-0.0004
Mesquite 12kV	0.0251	-0.1048	-0.0269	0.0009	0.0186	-0.1032	-0.0190	0.0026	0.0340	-0.0990	-0.0123	0.0017	-0.0004	0.0391	-0.1345	-0.0184	-0.0021	-0.0035	0.0000	0.0825	-0.1695	-0.0179	0.0035	-0.0040	
Meteor 12kV	0.0046	-0.0536	-0.0758	0.0015	-0.0048	0.0034	-0.0576	-0.0757	0.0019	0.0006	0.0662	-0.0604	-0.0767	0.0022	-0.0003	0.0071	-0.0668	-0.0781	0.0004	0.0150	-0.0738	-0.0179	0.0029	-0.0004	
Metro 12kV	0.0242	-0.0856	-0.0460	0.0032	0.0082	0.0179	-0.0881	-0.0406	0.0039	-0.0007	0.0327	-0.0858	-0.0362	0.0034	-0.0008	0.0377	-0.1024	-0.0403	0.0014	-0.0027	0.0796	-0.1133	-0.0382	0.0063	-0.0018
Mettler 12kV	0.0000	-0.1436	-0.0240	0.0037	0.0017	0.0000	-0.1431	-0.0159	0.0045	-0.0012	0.0000	-0.1331	-0.0089	0.0039	-0.0030	0.0000	-0.1695	-0.0151	0.0016	-0.0027	0.0000	-0.1912	-0.0150	0.0072	-0.0027
Metz 4.16kV	0.0031	-0.0305	-0.0059	0.0048	0.0001	0.0023	-0.0303	-0.0037	0.0054	-0.0002	0.0041	-0.0292	-0.0007	0.0035	-0.0006	0.0048	-0.0410	-0.0034	-0.0045	-0.0009	0.0101	-0.0531	-0.0034	0.0073	-0.0009
Mexico 12kV	0.0023	-0.0401	-0.0211	0.0011	0.0045	-0.0401	-0.0211	0.0011	0.0000	0.0000	0.0441	-0.0401	-0.0001	0.0000	0.0000	0.0441	-0.0401	-0.0001	0.0000	0.0000	0.0441	-0.0401	-0.0001	0.0000	0.0000
Michigan 16kV	0.0000	-0.0799	-0.0978	0.0013	0.0000	0.0000	-0.0443	-0.0547	0.0016	0.0005	0.0000	-0.0467	-0.0016	0.0013	-0.0040	0.0000	-0.0740	-0.0043	-0.0010	0.0000	0.0000	-0.0978	-0.0043	0.0022	-0.0009
Midway 12kV	0.0117	-0.0429	-0.0266	0.0101	0.0002	0.0087	-0.0459	-0.0054	0.0114	0.0011	0.0158	-0.0469	-0.0026	0.0074	-0.0003	0.0182	-0.0579	-0.0050	0.0095	-0.0018	0.0086	-0.0576	-0.0050	0.0155	-0.0018
Michael 12kV	0.0471	-0.0644	-0.0779	0.0007	0.0048	0.0350	-0.0685	-0.0793	0.0009	-0.0010	0.0638	-0.0706	-0.0817	0.0011	-0.0013	0.0734	-0.0774	-0.0817	0.0002	-0.0000	0.1551	-0.0836	-0.0753	0.0014	-0.0009
Michelle 12kV	0.0000	-0.0601	-0.0158	0.0026	0.0004	0.0000	-0.0622	-0.0215	0.0029	0.0000	0.0619	-0.0098	0.0021	-0.0004	0.0000	-0.0851	-0.0124	-0.0002	-0.0018	0.0000	-0.1072	-0.0118	0.0045	-0.0009	
Michigan 4.16kV	0.0076	-0.0199	-0.0050	0.0034	0.0005	0.0056	-0.0193	-0.0030	0.0038	-0.0001	0.0103	-0.0184	-0.0014	0.0025	0.0000	0.0118	-0.0254	-0.0028	0.0000	0.0249	-0.0220	-0.0028	0.0052	-0.0013	
Micro 4.16kV	0.0000	-0.0004	-0.0009	0.0000	0.0004	0.0000	-0.0005	-0.0008	0.0000	-0.0001	0.0001	-0.0005	-0.0007	0.0000	0.0000	0.0000	-0.0006	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Mid Valle 12kV	0.0300	-0.0444	-0.0176	0.0041	0.0091	0.0222	-0.0436	-0.0136	0.0047	-0.0047	0.0047	-0.0428	-0.0040	-0.0201	0.0030	-0.0205	-0.0502	-0.0132	-0.0039	-0.0049	0.0986	-0.0575	-0.0131	0.0063	-0.0009
Midde Road 10kV	0.0730	-0.0543	-0.0353	0.0023	0.0158	0.0101	-0.0624	-0.0331	0.0030	0.0184	-0.0691	-0.0314	0.0035	-0.0048	0.0211	-0.0882	-0.0330	0.0007	0.0000	0.0446	-0.1083	-0.0316	0.0047	-0.0009	
Middecoff 12kV	0.0199	-0.0443	-0.0303	0.0138	0.0049	0.0147	-0.0483	-0.0259	0.0156	-0.0008	0.0269	-0.0503	-0.0224	0.0101	-0.0003	0.0309	-0.0672	-0.0260	-0.0130	0.0000	0.0654	-0.0839	-0.0245	0.0211	-0.0013
Midge 12kV	0.0624	-0.1155	-0.0067	0.0005	0.0000	0.1385	-0.0173	-0.0066	0.0006	0.0105	-0.0188	-0.0066	0.0004	0.0000	0.1097	-0.0197	-0.0066	0.0000	0.0231	-0.0210	-0.0066	0.0000	0.0000		
Midon 12kV	0.0435	-0.0325	-0.0440	0.0003	0.0000	0.0435	-0.0364	-0.0445	0.0004	0.0000	0.0435	-0.0395	-0.0454	0.0005	0.0000	0.0435	-0.0411	-0.0450	0.0008	0.0000	0.0711	-0.0433	-0.0421	0.0018	0.0000
Midway 4.16kV	0.0038	-0.1409	-0.0032	0.0010	0.0000	0.0164	-0.0019	0.0004	0.0002	0.0000	0.0162	-0.0007	0.0024	0.0000	0.0000	0.0227	-0.0017	0.0069	0.0000	0.0000	0.0270	-0.0017	0.0000	0.0000	0.0000
Midwick 4.16kV	0.0025	-0.0159	-0.0056	0.0017	0.0004	0.0019	-0.0192	-0.0040	0.0020	-0.0004	0.0034	-0.0222	-0.0027	0.0018	0.0001	0.0039	-0.0358	-0.0039	0.0000	0.0083	-0.0511	-0.0033	-0.0009	0.0000	
Miguel 12kV	0.0206	-0.1012	-0.0126	0.0009	0.0153	-0.0271	-0.0791	0.0046	0.0083	0.0154	-0.1315	-0.0739	-0.0165	0.0153	0.0074	-0.0219	-0.0308	-0.0024	0.0000	0.0187	-0.1165	-0.0309	-0.0069	0.0000	
Mimosa 12kV	0.0079	-0.0761	-0.0393	0.0051	0.0007	0.0559	-0.0658	-0.0399	0.0058	-0.0035	0.0107	-0.0558	-0.0296	0.0038	-0.0014	0.0123	-0.0600	-0.0343	-0.0035	0.0051	-0.0609	-0.0208	-0.0038	0.0000	
Minal 12kV	0.0538	-0.0404	-0.0318	0.0004	0.0080	0.0392	-0.0462	-0.0296	0.0005	0.0103	-0.0715	-0.0281	0.0004	0.0031	0.0822	-0.0468	-0.0301	0.0002	0.0035	0.1737	-0.0533	-0.0280	0.0000	0.0000	
Mingo 12kV	0.0131	-0.0831	-0.0140	0.0018	0.0000	0.0097	-0.0898	-0.0112	0.0040	0.0000	0.0177	-0.0903	-0.0089	0.0049	0.0000	0.0204	-0.1165	-0.0108	0.0172	0.0000	0.0430	-0.1342	-0.0105	0.0085	0.0000
Minnesota 12kV	0.1618	-0.0344	-0.0622	0.0006	0.0003	0.0388	-0.0385	-0.0638	0.0007	-0.0001	0.0707	-0.0418	-0.0662	0.0010	0.0001	0.0081	-0.0435	-0.0660	0.0023	0.0000	0.0170	-0.0458	-0.0606	0.0000	0.0000
Minnow 16kV	0.0746	-0.0399	-0.0620	0.0008	0.0000	0.0708	-0.0446	-0.0632	0.0010	0.0000	0.0198	-0.0484	-0.0650	0.0015	0.0005	0.0228	-0.0505	-0.0647	0.0024	0.0000	0.0481	-0.0533	-0.0099	0.0022	0.0000
Minor 12kV	0.0315	-0.1137	-0.0265	0.0011	0.0027	0.0234	-0.1133	-0.0205	0.0013	0.0000	0.0427	-0.1054	-0.0154	0.0011	0.0000	0.0491	-0.1338	-0.0201	0.0005	-0.0022	0.1039	-0.1505	-0.0193	0.0021	-0.0018
M																									

Facility	2018						2019						2020						2021						2022					
	EE Demand (MW)	PV (MW) ^{1a}	EE (MW) ^{1b}	EV (MW) ^{1b}	LMDR (MW) ^{1b}	EE Demand (MW)	PV (MW) ^{1b}	EE (MW) ^{1b}	EV (MW) ^{1b}	LMDR (MW) ^{1b}	EE Demand (MW)	PV (MW) ^{2b}	EE (MW) ^{2b}	EV (MW) ^{2b}	LMDR (MW) ^{2b}	EE Demand (MW)	PV (MW) ^{2b}	EE (MW) ^{2b}	EV (MW) ^{2b}	LMDR (MW) ^{2b}	EE Demand (MW)	PV (MW) ^{2b}	EE (MW) ^{2b}	EV (MW) ^{2b}	LMDR (MW) ^{2b}					
Montrose 4.16KV	0.0000	-0.0150	-0.0048	0.0069	0.0000	0.0000	-0.0160	-0.0030	0.0079	0.0000	0.0000	-0.0156	-0.0015	0.0054	0.0000	0.0000	-0.0219	-0.0028	-0.0127	0.0000	0.0000	-0.0255	-0.0028	0.0091	0.0000	0.0000				
Monty 12KV	0.0088	-0.0226	-0.0346	0.0000	0.0000	0.0065	-0.0253	-0.0352	0.0001	0.0000	0.0119	-0.0272	-0.0364	0.0001	0.0000	0.0137	-0.0297	-0.0364	0.0000	0.0000	0.0290	-0.0323	-0.035	0.0001	0.0000					
Monument 12KV	0.0205	-0.0591	-0.0220	0.0005	0.0021	0.0152	-0.0597	-0.0203	0.0005	-0.0026	0.0278	-0.0571	-0.0191	0.0005	-0.0008	0.0319	-0.0705	-0.0207	0.0002	-0.0009	0.0675	-0.0791	-0.0192	0.0009	-0.0031					
Moody 12KV	0.0170	-0.0326	-0.0370	0.0005	-0.0037	0.0126	-0.0361	-0.0364	0.0007	-0.0003	0.0231	-0.0388	-0.0363	0.0006	-0.0003	0.0265	-0.0428	-0.0365	0.0002	0.0000	0.0560	-0.0478	-0.0343	0.0010	-0.0009					
Moon 4.16KV	0.0112	-0.0043	-0.0085	0.0038	0.0000	0.0083	-0.0026	-0.0050	0.0117	0.0000	0.0152	-0.0583	-0.0021	0.0089	0.0000	0.0175	-0.0901	-0.0047	0.0255	0.0000	0.0370	-0.1204	-0.0047	0.0161	0.0000	0.0000				
Moonbeam 4.16KV	0.0045	-0.0140	-0.0026	0.0008	0.0000	0.0034	-0.0166	-0.0015	0.0011	-0.0004	0.0062	-0.0185	-0.0006	0.0013	0.0000	0.0071	-0.0287	-0.0014	0.0003	0.0000	0.0150	-0.0389	-0.0014	0.0017	-0.0004					
Moonflow 12KV	0.0068	-0.0658	-0.0137	0.0009	-0.0009	0.0050	-0.0596	-0.0088	0.0011	-0.0003	0.0091	-0.0525	-0.0046	0.0013	-0.0015	0.0091	-0.0653	-0.0083	0.0003	-0.0027	0.0222	-0.0754	-0.0083	0.0017	-0.0004					
Moonwalk 12KV	0.0046	-0.0719	-0.0653	0.0060	0.0143	0.0034	-0.0739	-0.0613	0.0072	-0.016	0.0062	-0.0742	-0.0587	0.0063	-0.0016	0.0071	-0.0887	-0.0625	0.0026	-0.0018	0.0150	-0.1032	-0.0581	0.0116	-0.0022					
Moore 4.16KV	0.0076	-0.0124	-0.0063	0.0005	0.0011	0.0056	-0.0149	-0.0049	0.0005	0.0002	0.0103	-0.0172	-0.0038	0.0004	-0.0002	0.0118	-0.0269	-0.0049	0.0000	0.0013	0.0249	-0.0377	-0.0046	0.0008	-0.0009					
Mora 12KV	0.0328	-0.0865	-0.0344	0.0052	0.0000	0.0176	-0.0834	-0.0300	0.0000	0.0322	-0.0788	-0.0266	0.0038	0.0000	0.0370	-0.0961	-0.0303	-0.0077	0.0000	0.0782	-0.1113	-0.0284	0.0072	0.0000						
Moran 12KV	0.0000	-0.0566	-0.0355	0.0026	0.0077	0.0000	-0.0607	-0.0506	0.0031	-0.0007	0.0000	-0.0631	-0.0486	0.0027	0.0002	0.0000	-0.0752	-0.0510	0.0011	-0.0009	0.0000	-0.0882	-0.0478	0.0050	-0.0013					
Moredan 16KV	0.2483	-0.0866	-0.0391	0.0080	0.0024	0.1842	-0.0846	-0.0357	0.0091	-0.0023	0.0099	-0.0809	-0.0291	0.0064	-0.0003	0.0114	-0.0987	-0.0330	-0.0007	-0.0031	0.0242	-0.1147	-0.0316	0.0140	-0.0044					
Morello 12KV	2.3119	-0.0697	-0.0142	0.0007	0.0008	1.6169	-0.0108	-0.0144	0.0008	0.0001	6.2000	-0.0116	-0.0147	0.0011	0.0001	0.6490	-0.0123	-0.0146	0.0000	0.7358	-0.0128	-0.0136	0.0020	0.0000						
Morgan 4.16KV	0.0063	-0.0228	-0.0063	0.0095	0.0000	0.0047	-0.0244	-0.0036	0.0117	0.0000	0.0086	-0.0245	-0.0013	0.0087	0.0000	0.0343	-0.0033	-0.0071	0.0000	0.0208	-0.0421	-0.0034	0.0155	0.0000						
Morganhill 16KV	0.0003	-0.0241	-0.0041	0.0001	0.0000	0.0048	-0.0251	-0.0031	0.0001	0.0000	0.0080	-0.0250	-0.0029	0.0000	0.0000	0.0345	-0.0033	-0.0071	0.0000	0.0208	-0.0421	-0.0034	0.0155	0.0000						
Morris 12KV	0.0000	-0.0185	0.0152	0.0054	0.0000	0.0109	-0.0119	0.0013	0.0061	0.0000	0.0109	-0.0058	-0.0092	0.0040	0.0000	0.0240	-0.0118	-0.0081	0.0000	0.0000	0.0246	-0.0113	-0.0076	0.0000						
Morris 12KV	0.0214	-0.0486	-0.0564	0.0008	0.0159	0.0056	-0.0056	0.0036	0.0009	0.0000	0.0290	-0.0501	-0.0020	0.0005	0.0000	0.0333	-0.0686	-0.0049	0.0113	0.0000	0.0704	-0.0823	-0.0034	0.0111	0.0000					
Morris 16KV	0.0073	-0.0483	-0.0703	0.0008	0.0156	0.0054	-0.0541	-0.0712	0.0010	-0.0034	0.0000	-0.0587	-0.0728	0.0114	-0.0017	0.0104	-0.0610	-0.0723	-0.0033	0.0000	0.0188	-0.0643	-0.0764	-0.0024	0.0000					
Morris 12KV	0.0113	-0.1272	-0.0144	0.0071	0.0000	0.0082	-0.1236	-0.0094	0.0080	0.0000	0.0150	-0.1168	-0.0050	0.0052	0.0000	0.0173	-0.1504	-0.0089	-0.0105	0.0000	0.0365	-0.2023	-0.0087	0.0099	0.0000					
Morrison 12KV	0.0322	-0.1025	-0.0328	0.0020	0.0027	0.0239	-0.1027	-0.0240	0.0228	-0.0022	0.0437	-0.1009	-0.0166	0.0148	-0.0040	0.0502	-0.1391	-0.0234	-0.0190	-0.0049	0.1061	-0.1790	-0.0226	0.0309	-0.0066					
Morse 12KV	0.0240	-0.0344	-0.0289	0.0065	0.0178	0.0366	-0.0258	0.0079	0.0007	0.0325	-0.0368	-0.0235	0.0068	-0.0015	0.0047	-0.0439	-0.0261	-0.0028	-0.0004	0.0999	-0.0497	-0.0245	0.0126	-0.0022						
Motion 4.16KV	0.0000	-0.0174	-0.0061	0.0002	0.0017	0.0000	-0.0165	-0.0049	0.0003	-0.0006	0.0000	-0.0154	-0.0039	0.0002	-0.0006	0.0197	-0.0409	0.0000	0.0000	0.0235	-0.0046	0.0004	0.0000	0.0000						
Mosebrook 12KV	0.1079	-0.0645	-0.0488	0.0081	0.0051	0.0475	-0.0220	0.0009	0.0470	-0.0644	-0.027	0.014	-0.027	0.0145	-0.0758	-0.0487	-0.0002	-0.0009	0.2844	-0.0864	-0.0451	0.0331	-0.0013							
Mosquito 12KV	0.0286	-0.0767	-0.0721	0.0009	-0.0180	1.2609	-0.0826	-0.0728	0.0011	0.0003	0.0388	-0.0867	-0.0743	0.0105	-0.0194	-0.0911	-0.0745	-0.0306	0.0000	3.6142	-0.0955	-0.0698	0.0206	-0.0004						
Mossberg 12KV	0.0108	-0.0045	-0.0072	0.0002	0.0080	0.0051	-0.0074	0.0002	0.0000	0.0146	-0.0055	-0.0076	0.0003	0.0000	0.0168	-0.0058	-0.0076	0.0000	0.0000	0.0355	-0.0062	-0.0070	0.0004	0.0000						
Mosman 12KV	0.0243	-0.0292	-0.0097	0.0008	0.0009	0.0180	-0.0309	-0.0075	0.0010	0.0003	0.0329	-0.0303	-0.0056	0.0012	-0.0009	0.0378	-0.0393	-0.0074	0.0002	-0.0004	0.0800	-0.0450	-0.0070	0.0116	0.0000					
Motz 12KV	0.0540	-0.0306	-0.0211	0.0011	0.0000	0.0401	-0.0348	-0.0202	0.0013	0.0000	0.0731	-0.0382	-0.0195	0.0009	0.0000	0.0841	-0.0451	-0.0199	0.0000	0.0177	-0.0527	-0.0190	0.0015	0.0000						
Mountain 4.16KV	0.0032	-0.0125	-0.0027	0.0012	0.0000	0.0024	-0.0141	-0.0018	0.0013	0.0001	0.0044	-0.0148	-0.0010	0.0009	0.0000	0.0214	-0.0214	-0.0017	0.0000	0.0106	-0.0267	-0.0017	0.0018	0.0000						
Mowder 4.16KV	0.0039	-0.0501	-0.0048	0.0000	0.0027	0.0000	-0.0495	0.0000	0.0053	0.0002	0.0062	-0.0460	-0.0008	0.0000	0.0000	0.0593	-0.0205	-0.0085	0.0000	0.0127	-0.0666	-0.0025	0.0000	0.0000						
Moyer 4.16KV	0.0038	-0.0094	-0.0017	0.0014	0.0000	0.0028	-0.0086	-0.0010	0.0016	0.0001	0.0051	-0.0072	-0.0008	0.0001	0.0000	0.0059	-0.0084	-0.0008	0.0000	0.0124	-0.0833	-0.0009	0.0019	0.0000						
Muddy 12KV	0.0107	-0.0702	-0.0408	0.0013	0.0085	0.0079	-0.0671	-0.0380	0.0015	0.0144	0.0060	-0.0259	-0.0088	0.0012	-0.0003	0.0000	-0.0144	-0.0069	-0.0003	0.0000	0.0264	-0.0069	-0.0003	0.0000						
Mukay 12KV	0.0005	-0.0613	-0.0399	0.0003	0.0045	0.0045	-0.0337	-0.0348	0.0027	0.0013	0.0053	-0.0263	-0.0058	0.0008	0.0005	0.0054	-0.0778	-0.0351	-0.0003	0.0043	-0.0331	-0.0041	0.0000							
Mulligan 12KV	0.0203	-0.0349	-0.0701	0.0067	0.0051	0.0154	-0.0561	0.0068	0.0008	0.0276	-0.0448	-0.0052	0.0007	0.0004	0.0317	-0.0183	-0.0056	0.0013	0.0570	-0.0300	-0.0057	0.0133	0.0000							
Mumford 12KV	1.4653	-0.0292	-0.0165	0.0059	0.0000	0.0435	-0.0244	0.0007	0.0005	0.0305	-0.0264	-0.0049	0.0114	0.0000	0.0523	-0.0237	-0.0073	0.0012	0.0492	-0.0000	0.0523	-0.0238	0.0071	0.0353	0.0000					
Murphy 12KV	0.0004	-0.0183	-0.0084	0.0005	0.0033	0.0185	-0.0061	0.0007	0.0009	0.0059	-0.0182	-0.0042	0.0008	-0.0005	0.0251	-0.0059	-0.0003	0.0181	0.0324	-0.0057	0.0111	-0.0013								
Muro 12KV	0.0000	-0.0211	-0.0005	0.0022	0.0000	0.0019	-0.0039	0.0003	0.0024	0.0000	-0.0018	-0																		

Facility	2018					2019					2020					2021					2022					
	EE Demand (MW)	PV (MW) ^{1a}	EE (MW) ^{1b}	EV (MW) ^{1c}	LMDR (MW) ^{1d}	EE Demand (MW)	PV (MW) ^{1e}	EE (MW) ^{1f}	EV (MW) ^{1g}	LMDR (MW) ^{1h}	EE Demand (MW)	PV (MW) ^{2a}	EE (MW) ^{2b}	EV (MW) ^{2c}	LMDR (MW) ^{2d}	EE Demand (MW)	PV (MW) ^{2e}	EE (MW) ^{2f}	EV (MW) ^{2g}	LMDR (MW) ^{2h}	EE Demand (MW)	PV (MW) ²ⁱ	EE (MW) ^{2j}	EV (MW) ^{2k}	LMDR (MW) ^{2l}	
Nemaha 4.16kV	0.0000	-0.0172	-0.0033	0.0012	0.0002	0.0000	-0.0191	-0.0020	0.0013	-0.0004	0.0000	-0.0198	-0.0009	0.0008	0.0000	-0.0287	-0.0011	0.0000	0.0000	-0.0367	-0.0019	0.0018	0.0000	0.0000		
Neon 16kV	0.0339	-0.0521	-0.0489	0.0151	0.0020	0.0252	-0.0537	-0.0476	0.0172	0.0010	0.0460	-0.0528	-0.0473	0.0121	-0.0017	0.0528	-0.0585	-0.0489	-0.0014	0.0000	0.1117	-0.0617	-0.0452	0.0265	-0.0004	
Nepal 12kV	0.0047	-0.0680	-0.0137	0.0123	-0.0002	0.0035	-0.0675	-0.0084	0.0139	-0.0003	0.0000	-0.0638	-0.0038	0.0050	-0.0004	0.0073	-0.0852	-0.0709	-0.0116	0.0000	0.0153	-0.1026	-0.0078	0.0188	-0.0004	
Nero 16kV	0.0341	-0.0500	-0.0234	0.0181	0.0000	0.0253	-0.0409	-0.0163	0.0203	0.0000	0.0462	-0.0330	-0.0102	0.0134	0.0000	0.0531	-0.0353	-0.0157	-0.0269	0.0000	0.1123	-0.0354	-0.0153	0.0252	0.0000	
nestle 12kV	0.1069	-0.0185	-0.0230	0.0019	0.0005	0.0000	-0.0201	-0.0234	0.0021	0.0003	0.1087	-0.0214	-0.0241	0.0015	-0.0006	0.0000	-0.0243	-0.0242	-0.0002	0.0000	0.0000	-0.0278	-0.0222	0.0033	0.0000	
Nestor 4.16kV	0.0040	-0.0456	-0.0081	0.0017	0.0000	0.0029	-0.0529	-0.0047	0.0020	0.0000	0.0054	-0.0573	-0.0018	0.0014	0.0000	0.0062	-0.0874	-0.0043	-0.0032	0.0000	0.0130	-0.1166	-0.0044	0.0023	0.0000	
Nevada 4.16kV	0.0076	0.0000	0.0000	0.0000	0.0000	0.0056	0.0000	0.0000	0.0000	0.0103	0.0000	0.0000	0.0000	0.0000	0.0000	0.0018	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		
Neval 4.16kV	0.0379	0.0000	-0.0001	0.0001	0.0000	0.0281	-0.0001	-0.0001	0.0001	0.0004	0.0513	-0.0001	-0.0001	0.0001	0.0000	0.0590	-0.0001	-0.0003	-0.0001	0.0000	0.1247	-0.0001	0.0001	0.0000	0.0000	
New Castle 12kV	0.0594	-0.0305	-0.0139	0.0018	0.0018	0.0441	-0.0302	-0.0121	0.0211	-0.0006	0.0805	-0.0292	-0.0107	0.0015	0.0000	0.0925	-0.0378	-0.0123	-0.0002	0.0000	0.1955	-0.0460	-0.0114	0.0032	0.0000	
New York 4.16kV	0.0000	-0.0226	-0.0041	0.0039	0.0000	-0.0243	-0.0023	0.0044	0.0002	0.0000	-0.0247	-0.0008	0.0031	-0.0002	0.0000	0.0352	-0.0021	-0.0004	0.0000	0.0000	0.0446	-0.0022	0.0068	-0.0004	0.0000	
Newman 12kV	0.0571	-0.0239	-0.0101	0.0001	0.0064	0.0424	-0.0266	-0.0069	0.0001	0.0014	0.0774	-0.0286	-0.0098	0.0002	-0.0026	0.0890	-0.0302	-0.0099	0.0004	0.0000	0.1881	-0.0320	-0.0099	0.0003	0.0000	
Nicholas 16kV	0.0833	-0.1067	-0.0293	0.0099	0.0000	0.0618	-0.1091	-0.0185	0.0121	0.0000	0.1129	-0.1063	-0.0092	0.0090	0.0000	0.1298	0.1433	-0.0174	-0.0074	0.0000	0.2744	-0.1750	-0.0173	0.0161	0.0000	
Nickel 12kV	0.0034	0.0509	-0.0244	0.0032	0.0014	0.0025	-0.0494	-0.0246	0.0038	0.0001	0.0445	-0.0466	-0.0202	0.0033	-0.0011	0.0502	-0.0585	-0.0245	0.0014	-0.0009	0.0110	-0.0694	-0.0232	0.0061	-0.0007	
Nickerison 12kV	0.2085	-0.0342	-0.0106	0.0038	0.0000	0.0211	-0.0341	-0.0087	0.0043	0.0000	0.0386	-0.0330	-0.0071	0.0028	0.0000	0.0443	-0.0881	-0.0085	-0.0057	0.0000	0.0593	-0.0420	-0.0085	0.0053	0.0000	
Noel 12kV	0.0003	-0.0201	-0.0041	0.0001	0.0000	0.0149	-0.0201	-0.0041	0.0001	0.0000	0.0253	-0.0201	-0.0041	0.0002	0.0000	0.0253	-0.0201	-0.0041	0.0000	0.0000	0.1411	-0.0303	-0.0001	0.0000	0.0000	
Noose 12kV	0.0179	-0.0626	-0.0113	0.0034	0.0000	0.0641	-0.0886	-0.0088	0.0000	0.0001	0.0731	-0.0400	-0.0064	0.0025	0.0000	0.0535	-0.0089	-0.0051	0.0000	0.0000	0.0655	-0.0088	0.0048	0.0000	0.0000	
Noxfer 2.4kV	0.0000	0.0044	-0.0014	0.0001	0.0000	0.0000	0.0044	-0.0008	0.0001	0.0000	0.0041	-0.0003	0.0002	0.0000	0.0000	0.0053	-0.0001	0.0000	0.0000	0.0059	-0.0007	0.0002	0.0000	0.0000		
Nighthawk 16kV	0.0000	0.0813	-0.0884	0.0111	0.0050	0.0000	0.0910	-0.0877	0.0013	0.0000	0.0988	-0.0875	0.0016	0.0003	0.0000	0.1028	-0.0864	0.0003	0.0000	0.0000	0.1083	-0.0823	0.0021	0.0000	0.0000	
Nike 12kV	0.0357	-0.0303	-0.0462	0.0003	0.0044	0.0357	-0.0337	-0.0471	0.0003	0.0006	0.0357	-0.0621	-0.0485	0.0003	0.0001	0.0357	-0.0392	-0.0482	0.0001	-0.0004	0.0424	-0.0047	0.0005	0.0000	0.0000	
Nile 12kV	0.0000	-0.0585	-0.0272	0.0024	0.0017	0.0000	-0.0610	-0.0186	0.0028	-0.0009	0.0000	-0.0626	-0.0113	0.0020	-0.0011	0.0000	-0.0913	-0.0179	-0.0002	0.0000	0.1239	-0.0174	0.0042	-0.0040	0.0000	
Nimbus 12kV	0.1612	-0.0679	-0.0611	0.0028	0.0000	0.0034	-0.0694	-0.0571	0.0035	0.0000	0.0693	-0.0626	-0.0545	0.0049	0.0000	0.0701	-0.0831	-0.0583	0.0080	0.0000	0.1015	-0.0569	-0.0541	0.0075	0.0000	
Nimir 16kV	0.0000	-0.0525	-0.0718	0.0133	0.0000	0.0000	-0.0588	-0.0734	0.0150	0.0000	0.0638	-0.0738	-0.0075	0.0097	0.0000	0.0664	-0.0753	-0.0125	0.0000	0.0000	-0.0699	-0.0696	0.0203	0.0000	0.0000	
Ninth St 4.16kV	0.0051	-0.0038	-0.0064	0.0010	0.0000	0.0227	0.0038	-0.0042	0.0012	0.0001	0.0070	-0.0045	-0.0065	0.0017	-0.0005	0.0080	-0.0047	-0.0067	0.0040	0.0000	0.0169	-0.0049	-0.0051	0.0029	0.0000	
Nipton 33kV	0.0000	-0.0409	-0.0421	0.0000	0.0000	0.0000	-0.0457	-0.0414	0.0000	0.0000	0.0497	-0.0410	0.0000	-0.0000	0.0000	-0.0517	-0.0402	0.0000	0.0000	0.0000	-0.0544	-0.0388	0.0000	0.0000	0.0000	
Nisley 16kV	0.0134	-0.0443	-0.0263	0.0019	0.0028	0.0009	-0.0506	-0.0216	0.0025	-0.0006	0.0181	-0.0532	-0.0177	0.0029	-0.0003	0.0209	-0.0718	-0.0212	0.0006	-0.0004	0.0441	-0.0868	-0.0203	0.0039	-0.0004	
Nisqually 33kV	3.5000	0.0000	0.0000	0.0021	0.0000	1.5000	0.0000	0.0000	0.0023	0.0000	0.1209	0.0000	0.0000	0.0015	0.0000	0.1390	0.0000	0.0000	-0.0031	0.0000	0.2937	0.0000	0.0000	0.0029	0.0000	
No American 12kV	0.0188	-0.0381	-0.0189	0.0027	0.0000	0.0140	-0.0399	-0.0156	0.0034	0.0000	0.0255	-0.0407	-0.0129	0.0025	0.0000	0.0293	-0.0508	-0.0155	-0.0021	0.0000	0.0620	-0.0616	-0.0147	0.0045	0.0000	
No Beach 4.16kV	0.0136	-0.0389	-0.0666	0.0057	0.0000	0.0110	-0.0407	-0.0039	0.0065	0.0000	0.0216	-0.0407	-0.0015	0.0045	0.0000	0.0248	-0.0580	-0.0036	-0.0105	0.0000	0.0524	-0.0742	-0.0036	0.0075	0.0000	
Noakes 12kV	0.2340	-0.0098	-0.0042	0.0002	0.0000	0.0080	-0.0108	-0.0040	0.0007	0.0000	0.0146	-0.0115	-0.0039	0.0006	0.0000	0.0202	-0.0123	-0.0040	0.0016	0.0000	0.0355	-0.0132	-0.0040	0.0010	0.0000	
Noche 12kV	0.0602	-0.0892	-0.0181	0.0041	-0.0002	0.0447	-0.0780	-0.0110	0.0046	-0.0008	0.0816	-0.0662	-0.0065	0.0017	0.0000	0.0662	-0.0817	-0.0102	-0.0039	0.0027	0.1984	-0.0529	-0.0102	0.0062	-0.0044	
Nocta 4.16kV	0.0040	-0.0341	-0.0063	0.0011	0.0009	0.0029	-0.0355	-0.0047	0.0012	0.0001	0.0070	-0.0347	-0.0008	0.0017	0.0000	0.0084	-0.0441	-0.0005	-0.0049	0.0016	0.0000	0.0446	-0.0007	0.0016	0.0000	0.0000
Nogal 4.16kV	0.0000	-0.0666	-0.0222	0.0024	0.0000	0.0000	-0.0616	-0.0033	0.0027	0.0000	0.0027	-0.0616	-0.0005	0.0001	0.0000	0.0000	0.0261	-0.0005	-0.0027	0.0000	0.0000	0.0605	-0.0307	0.0007	0.0004	0.0000
Noh 12kV	0.0045	-0.0774	-0.0152	0.0051	0.0009	0.0034	-0.0733	-0.0101	0.0058	0.0001	0.0061	-0.0674	-0.0057	0.0004	0.0000	0.0000	0.0445	-0.0005	-0.0046	0.0000	0.0000	0.0635	-0.0227	0.0009	-0.0022	0.0000
Nomad 16kV	0.0110	-0.0272	-0.0422	0.0016	0.0000	0.0081	-0.0304	-0.0433	0.0021	0.0009	0.0149	-0.0330	-0.0049	0.0030	-0.0011	0.0171	-0.0344	-0.0048	0.0031	0.0000	0.0362	-0.0412	0.0040	0.0000	0.0000	
NoMex 12kV	0.0363	-0.0286	-0.0028	0.0015	0.0000	0.0168	-0.0222	-0.0003	0.0024	0.0000	0.0044	-0.0164	-0.0003	0.0004	0.0000	0.0065	-0.0205									

Facility	2018						2019						2020						2021						2022					
	ee Demand (MW)	PV (MW) ^{1a}	EE (MW) ^{1b}	EV (MW) ^{1b}	LMDR (MW) ^{1b}	ee Demand (MW)	PV (MW) ^{1b}	EE (MW) ^{1b}	EV (MW) ^{1b}	LMDR (MW) ^{1b}	ee Demand (MW)	PV (MW) ^{2b}	EE (MW) ^{2b}	EV (MW) ^{2b}	LMDR (MW) ^{2b}	ee Demand (MW)	PV (MW) ^{2b}	EE (MW) ^{2b}	EV (MW) ^{2b}	LMDR (MW) ^{2b}	ee Demand (MW)	PV (MW) ^{2b}	EE (MW) ^{2b}	EV (MW) ^{2b}	LMDR (MW) ^{2b}					
Olive 4.16kV	0.0000	-0.0064	-0.0075	0.0001	0.0042	0.0000	-0.0067	-0.0074	0.0001	-0.0014	0.0000	-0.0068	-0.0075	0.0001	-0.0000	0.0000	-0.0077	-0.0077	0.0000	-0.0000	0.0000	-0.0085	-0.0073	0.0001	0.0000	0.0000	0.0000			
Oliver 33kV	0.2187	-0.0481	-0.0809	0.0023	0.0008	0.1623	-0.0538	-0.0831	0.0026	-0.0004	0.2964	-0.0585	-0.0862	0.0019	0.0004	0.3408	-0.0608	-0.0860	-0.0002	0.0000	0.7203	-0.0641	-0.0790	0.0040	0.0000	0.0000	0.0000			
Olney 16kV	0.2191	-0.0379	-0.0369	0.0036	0.0081	0.0065	-0.0414	-0.0342	0.0041	-0.0006	0.0119	-0.0438	-0.0324	0.0029	-0.0016	0.0137	-0.0563	-0.0349	-0.0003	0.0009	0.0289	-0.0708	-0.0324	0.0063	-0.0013	0.0000	0.0000			
Olson 16kV	0.0397	-0.0849	-0.0768	0.0010	0.0038	0.1032	-0.0946	-0.0750	0.0013	-0.0023	0.1884	-0.1015	-0.0739	0.0011	0.0006	0.1547	-0.1139	-0.0739	0.0004	0.0000	0.0477	-0.1267	-0.0705	0.0020	-0.0009	0.0000	0.0000			
Olympiad 12kV	0.0056	-0.1147	-0.0151	0.0157	0.0005	0.0042	-0.1146	-0.0093	0.0177	-0.0002	0.0076	-0.1064	-0.0043	0.0115	0.0001	0.0087	-0.1377	-0.0087	-0.0148	-0.0013	0.0184	-0.1563	-0.0087	0.0240	-0.0022	0.0000	0.0000			
Omaha 12kV	0.0048	-0.1343	-0.0221	0.0062	0.0000	0.0036	-0.1418	-0.0165	0.0070	0.0000	0.0065	-0.1401	-0.0118	0.0046	0.0000	0.0075	-0.1903	-0.0162	-0.0093	0.0000	0.0000	0.0158	-0.2267	-0.0155	0.0087	0.0000	0.0000	0.0000		
O'Malley 12kV	0.0203	-0.0714	-0.0565	0.0016	0.0077	0.0151	-0.0756	-0.0548	0.0019	-0.0002	0.0276	-0.0759	-0.0540	0.0016	-0.0017	0.0317	-0.0887	-0.0562	0.0007	0.0000	0.0670	-0.0966	-0.0520	0.0030	-0.0004	0.0000	0.0000			
Omega 12kV	0.0045	-0.0715	-0.0220	0.0081	0.0026	0.0034	-0.0742	-0.0158	0.0092	-0.0014	0.0061	-0.0738	-0.0105	0.0065	-0.0013	0.0071	-0.1034	-0.0153	-0.0007	0.0035	0.0149	-0.1327	-0.0148	0.0141	-0.0013	0.0000	0.0000			
Onicron 12kV	0.0045	-0.0092	-0.0016	0.0013	0.0006	0.0034	-0.0097	-0.0013	0.0015	-0.0003	0.0061	-0.0098	-0.0010	0.0010	0.0000	0.0071	-0.0138	-0.0013	-0.0012	0.0004	0.0149	-0.0178	-0.0012	0.0020	0.0000	0.0000				
Onaga 12kV	0.0154	-0.1278	-0.0587	0.0025	0.0094	0.0114	-0.1278	-0.0564	0.0029	-0.0203	0.0209	-0.1213	-0.0553	0.0019	-0.0018	0.0240	-0.1427	-0.0578	-0.0024	0.0018	0.0507	-0.1543	-0.0535	0.0039	-0.0022	0.0000	0.0000			
Orbord 12kV	0.0594	-0.0490	-0.0278	0.0071	0.0022	0.0441	-0.0489	-0.0235	0.0080	0.0001	0.0805	-0.0475	-0.0200	0.0056	-0.0008	0.0925	-0.0608	-0.0235	-0.0006	0.0004	0.1955	-0.0736	-0.0222	0.0123	-0.0013	0.0000	0.0000			
Onion 12kV	0.0032	-0.0945	-0.0487	0.0004	0.0022	0.0024	-0.0875	-0.0449	0.0005	-0.0044	0.0044	-0.0773	-0.0421	0.0003	-0.0010	0.0050	-0.0850	-0.0456	0.0000	-0.0027	0.0106	-0.0866	-0.0425	0.0008	-0.0009	0.0000	0.0000			
Opal 4.16kV	0.0059	-0.0183	-0.0042	0.0057	0.0000	0.0044	-0.0204	-0.0026	0.0065	0.0000	0.0080	-0.0209	-0.0003	0.0045	0.0000	0.0092	-0.0296	-0.0024	-0.0015	0.0000	0.0194	-0.0361	-0.0024	0.0076	0.0060	0.0000	0.0000			
Opportunity 16kV	0.0398	-0.0492	-0.0499	0.0015	0.0054	0.2709	-0.035	-0.0462	0.0018	0.0006	0.5937	-0.0567	-0.0434	0.0016	-0.0018	0.6262	-0.0691	-0.0463	0.0006	-0.013	1.4427	-0.0842	-0.0436	0.0029	-0.0009	0.0000	0.0000			
Ortiz 4.16kV	0.0048	-0.0492	-0.0499	0.0015	0.0054	0.2709	-0.035	-0.0462	0.0018	0.0006	0.5937	-0.0567	-0.0434	0.0016	-0.0018	0.6262	-0.0691	-0.0463	0.0006	-0.013	1.4427	-0.0842	-0.0436	0.0029	-0.0009	0.0000	0.0000			
Orange Blossom 12kV	3.1300	-0.0659	-0.0159	0.0029	0.0000	0.1356	-0.0422	-0.0107	0.0033	0.0000	0.1356	-0.0373	-0.0100	0.0023	0.0000	0.1356	-0.0424	-0.0125	-0.0044	0.0000	0.1356	-0.0446	-0.0120	0.0041	-0.0003	0.0000	0.0000			
Orbiter 12kV	0.0046	-0.0591	-0.0509	0.0040	0.0006	0.0334	-0.0560	-0.0466	0.0048	-0.0004	0.0062	-0.0596	-0.0434	0.0043	-0.0013	0.0071	-0.0723	-0.0474	-0.0017	0.0009	0.0150	-0.0849	-0.0441	-0.0077	0.0000	0.0000	0.0000			
Orchardale 12kV	0.0170	-0.0527	-0.0312	0.0024	0.0000	0.0126	-0.0569	-0.0283	0.0027	0.0000	0.0231	-0.0597	-0.0261	0.0019	0.0000	0.0265	-0.0725	-0.0281	-0.0044	0.0000	0.0560	-0.0873	-0.0267	0.0031	0.0000	0.0000	0.0000			
Orchid 4.16kV	0.0037	-0.1323	-0.0651	0.0046	0.0000	0.0027	-0.1316	-0.0305	0.0056	0.0000	0.0050	-0.1326	-0.0262	0.0014	0.0000	0.0058	-0.2000	-0.0323	-0.0034	0.0000	0.0122	-0.0302	0.0074	-0.0000	0.0000	0.0000	0.0000			
Oregon 4.16kV	0.0038	-0.0663	-0.0059	0.0006	0.0024	0.0028	-0.0667	-0.0051	0.0007	-0.0001	0.0067	-0.0667	-0.0044	0.0005	0.0009	0.0093	-0.0509	-0.0051	-0.0001	0.0000	0.0125	-0.0394	-0.0048	0.0011	0.0000	0.0000	0.0000			
Oriole 12kV	0.0086	-0.0570	-0.0457	0.0009	0.0022	0.0064	-0.0163	-0.0417	0.0011	0.0001	0.0117	-0.0638	-0.0385	0.0014	-0.0013	0.0134	-0.0781	-0.0410	-0.0099	0.0028	0.0392	-0.025	-0.0004	0.0000	0.0000	0.0000	0.0000			
Orion 16kV	0.0000	-0.0712	-0.0292	0.0171	0.0011	0.0000	-0.0641	-0.0189	0.0194	-0.0011	0.1800	-0.0555	-0.0101	0.0137	-0.0010	0.1200	-0.0670	-0.0179	-0.0015	0.0049	1.2600	-0.0736	-0.0177	0.0299	-0.0066	0.0000	0.0000			
Orizaba 12kV	0.0089	-0.1064	-0.0243	0.0120	0.0000	0.0056	-0.1144	-0.0161	0.0148	0.0000	0.0120	-0.1136	-0.0091	0.0110	0.0000	0.0138	-0.1510	-0.0154	-0.0090	0.0000	0.0292	-0.1759	-0.0151	0.0196	0.0000	0.0000	0.0000	0.0000		
Orlens 4.16kV	0.0048	-0.0162	-0.0064	0.0095	0.0000	0.0035	-0.0164	-0.0038	0.0108	0.0000	0.0065	-0.0156	-0.0015	0.0074	0.0000	0.0074	-0.0202	-0.0035	-0.0173	0.0000	0.0000	-0.0233	-0.0035	0.0000	0.0000	0.0000	0.0000	0.0000		
Orman 4.8kV	0.0000	-0.0019	-0.0002	0.0000	0.0000	0.0000	-0.0020	-0.0001	0.0000	0.0000	0.0000	-0.0019	-0.0001	0.0000	0.0000	0.0000	-0.0025	-0.0001	-0.0000	0.0000	0.0030	-0.0001	0.0000	0.0000	0.0000	0.0000	0.0000			
Orsatti 4.16kV	0.0000	-0.0154	-0.0070	0.0024	0.0010	0.0000	-0.0178	-0.0051	0.0027	-0.0007	0.0007	-0.0186	-0.0034	0.0019	-0.0002	0.0000	-0.0265	-0.0049	-0.0002	0.0000	0.0329	-0.0048	-0.0042	0.0000	0.0000	0.0000	0.0000			
Orvil 12kV	0.0045	-0.0535	-0.0407	0.0016	0.0016	0.0034	-0.0568	-0.0395	0.0020	-0.0016	0.0061	-0.0585	-0.0387	0.0024	-0.0008	0.0068	-0.0711	-0.0391	-0.0005	0.0149	-0.0747	-0.0321	0.0032	0.0000	0.0000	0.0000				
Osgood 4.16kV	0.0038	-0.0224	-0.0084	0.0022	0.0000	0.0028	-0.0225	-0.0052	0.0027	0.0000	0.0051	-0.0220	-0.0024	0.0020	0.0000	0.0059	-0.0308	-0.0048	-0.0017	0.0000	0.0125	-0.0399	-0.0048	0.0036	0.0000	0.0000	0.0000			
Ostendorp 12kV	0.0008	-0.0227	-0.0059	0.0007	0.0000	0.0051	-0.0251	-0.0061	0.0021	0.0001	0.0060	-0.0265	-0.0065	0.0020	0.0000	0.0065	-0.0328	-0.0075	-0.0023	0.0000	0.0125	-0.0344	-0.0064	0.0000	0.0000	0.0000	0.0000			
Otway 12kV	0.0087	-0.1173	-0.0586	0.0009	0.0007	0.0061	-0.1173	-0.0586	0.0009	0.0004	0.0060	-0.1168	-0.0585	0.0009	0.0001	0.0065	-0.2058	-0.0585	0.0003	0.0000	0.0162	-0.0748	-0.0164	0.0064	-0.0004	0.0000	0.0000			
Otto 12kV	0.0087	-0.0173	-0.0065	0.0009	0.0006	0.0031	-0.0179	-0.0065	0.0018	-0.0013	0.0069	-0.0168	-0.0065	0.0009	-0.0011	0.0065	-0.2058	-0.0585	0.0003	0.0000	0.0162	-0.0748	-0.0164	0.0064	-0.0004	0.0000	0.0000			
Otto 4.16kV	0.0000	-0.0027	-0.0002	0.0000	0.0000	0.0000	-0.0027	-0.0002	0.0000	0.0000	0.0000	-0.0027	-0.0002	0.0000	0.0000	0.0000	-0.0025	-0.0005	-0.0019	0.0000	0.0021	-0.0055	-0.0009	0.0000	0.00					

Facility	2018						2019						2020						2021						2022					
	EE Demand (MW)	PV (MW) ^{1a}	EE (MW) ^{1b}	EV (MW) ^{1b}	LMDR (MW) ^{1b}	EE Demand (MW)	PV (MW) ^{1b}	EE (MW) ^{1b}	EV (MW) ^{1b}	LMDR (MW) ^{1b}	EE Demand (MW)	PV (MW) ^{2b}	EE (MW) ^{2b}	EV (MW) ^{2b}	LMDR (MW) ^{2b}	EE Demand (MW)	PV (MW) ^{2b}	EE (MW) ^{2b}	EV (MW) ^{2b}	LMDR (MW) ^{2b}	EE Demand (MW)	PV (MW) ^{2b}	EE (MW) ^{2b}	EV (MW) ^{2b}	LMDR (MW) ^{2b}					
Pan Pacific 16kV	0.8811	-0.0445	-0.0525	0.0030	0.0991	0.0602	-0.0502	-0.0485	0.0038	-0.0012	0.1099	-0.0528	-0.0456	0.0045	-0.0009	0.1264	-0.0659	-0.0494	0.0009	0.2672	-0.0740	-0.0459	0.0059	0.0000						
Panama 12kV	0.1490	-0.0948	-0.0566	0.0058	-0.0050	0.0046	-0.0975	-0.0532	0.0066	0.0084	-0.0976	-0.0510	0.0046	-0.0017	0.0096	-0.1258	-0.0543	-0.0005	-0.0031	0.0204	-0.1547	-0.0504	0.0101	-0.0018						
Pancake 4.16kV	0.0060	-0.0244	-0.0059	0.0045	0.0005	0.0044	-0.0249	-0.0044	0.0051	-0.0004	0.0081	-0.0234	-0.0031	0.0036	-0.0001	0.0093	-0.0295	-0.0043	-0.0004	0.0013	0.0197	-0.0326	-0.0041	0.0078	0.0000					
Pancho 16kV	0.0181	-0.0934	-0.0317	0.0039	0.0047	0.0134	-0.0915	-0.0270	0.0048	-0.0007	0.0245	-0.0862	-0.0232	0.0042	-0.0014	0.0281	-0.1063	-0.0266	0.0017	-0.0004	0.0595	-0.1210	-0.0254	0.0077	0.0000					
Pandora 12kV	1.5000	-0.0402	-0.0394	0.0012	0.0000	0.0510	-0.0442	-0.0384	0.0015	0.0000	0.0931	-0.0473	-0.0378	0.0022	0.0000	0.1071	-0.0532	-0.0380	0.0004	0.0000	0.2263	-0.0602	-0.0361	0.0025	0.0000					
Pangborn 4.16kV	0.0007	-0.0264	-0.0046	0.0018	0.0000	0.0005	-0.0281	-0.0026	0.0000	0.0010	-0.0275	-0.0009	0.0016	0.0000	0.0011	-0.0372	-0.0024	-0.0013	0.0000	0.0024	-0.0430	-0.0024	0.0029	0.0000						
Panhandise 12kV	0.0150	-0.0364	-0.0097	0.0136	0.0000	0.0112	-0.0361	-0.0059	0.0154	-0.0002	0.0204	-0.0349	-0.0025	0.0100	-0.0004	0.0234	-0.0489	-0.0055	-0.0128	-0.0004	0.0495	-0.0631	-0.0055	0.0208	-0.0013					
Pansy 4.16kV	0.0037	-0.0132	-0.0061	0.0041	0.0010	0.0027	-0.0138	-0.0044	0.0046	0.0005	-0.0139	-0.0028	0.0033	0.0001	0.0058	-0.0198	-0.0042	-0.0004	0.0000	0.0123	-0.0265	-0.0041	0.0071	-0.0009						
Pantani 33kV	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000				
Panther 12kV	0.0065	-0.0423	-0.0750	0.0010	0.0066	0.0048	-0.0474	-0.0770	0.0012	0.0000	-0.0080	-0.0515	-0.0799	0.0011	-0.0001	0.0092	-0.0535	-0.0797	0.0004	0.0000	0.194	-0.0564	-0.0731	0.0020	0.0000					
Papaya 4.16kV	0.0000	-0.0046	-0.0016	0.0005	0.0000	-0.0045	-0.0009	0.0006	0.0000	-0.0044	-0.0003	0.0004	0.0000	0.0118	-0.0061	-0.0008	-0.0008	0.0000	0.0249	-0.0078	-0.0008	0.0007	0.0000							
Papoose 12kV	0.0084	-0.0442	-0.0580	0.0009	-0.0061	0.0063	-0.0484	-0.0581	0.0011	0.0001	0.0114	-0.0517	-0.0591	0.0010	-0.0001	0.0131	-0.0594	-0.0599	0.0004	0.0000	0.0278	-0.0688	-0.0052	0.0018	-0.0004					
Pappa 33kV	0.0293	-0.0002	-0.0004	0.0009	0.0000	0.0217	-0.0002	-0.0004	0.0011	0.0000	0.0397	-0.0002	-0.0004	0.0014	0.0000	0.0456	-0.0003	-0.0004	0.0000	0.0064	-0.0003	0.0004	0.0018	0.0000						
Par 2.4kV	0.0000	-0.0008	-0.0002	0.0003	0.0000	-0.0007	-0.0001	0.0003	0.0000	-0.0006	-0.0002	0.0000	0.0000	0.0000	-0.0008	-0.0003	-0.0004	0.0000	0.0000	-0.0009	0.0001	0.0004	0.0000	0.0000						
Paradise 16kV	0.0000	-0.0002	-0.0001	0.0000	0.0000	-0.0001	-0.0001	0.0000	0.0000	-0.0001	-0.0001	0.0000	0.0000	0.0000	-0.0001	-0.0001	-0.0001	0.0000	0.0000	-0.0001	-0.0001	0.0000	0.0000	0.0000						
Paragon 4.16kV	0.0653	-0.0207	-0.0089	0.0065	0.0040	0.0484	-0.0237	-0.0081	0.0068	0.0084	-0.0244	-0.0077	0.0068	0.0009	0.1016	-0.0281	-0.0020	-0.0004	0.0249	-0.0078	-0.0008	0.0007	0.0000							
Paragon 12kV	0.0480	-0.2085	-0.0197	0.0097	0.0000	0.3600	-0.2187	-0.0195	0.0119	0.0000	0.2833	-0.2106	-0.0063	0.0088	0.0000	0.2823	-0.2772	-0.0118	-0.0072	0.0000	0.283	-0.3158	-0.0117	0.0000						
Paramount 4.16kV	0.0007	-0.0157	-0.0042	0.0017	0.0000	0.0005	-0.0178	-0.0025	0.0019	0.0000	-0.0174	-0.0011	0.0013	0.0000	0.0011	-0.0233	-0.0024	-0.0030	0.0000	0.0034	-0.0268	-0.0022	0.0000	-0.0009						
Parcels 12kV	0.0602	-0.0635	-0.0152	0.0030	-0.0001	0.0447	-0.0557	-0.0097	0.0034	-0.0001	0.0816	-0.0474	-0.0050	0.0024	0.0008	0.0938	-0.0584	-0.0091	-0.0018	0.1984	-0.0663	-0.0090	0.0052	0.0000						
Parcells 12kV	0.0397	-0.0404	-0.0310	0.0007	0.0000	0.0295	-0.0432	-0.0296	0.0009	0.0000	0.0538	-0.0448	-0.0287	0.0013	0.0000	0.0619	-0.0553	-0.0298	0.0021	0.0000	0.1308	-0.0662	-0.0280	0.0019	-0.0000					
Parco 12kV	0.0117	-0.0361	-0.0168	0.0010	0.0009	0.0087	-0.0350	-0.0141	0.0011	0.0006	0.0159	-0.0330	-0.0119	0.0008	-0.0001	0.0160	-0.0418	-0.0001	0.0004	0.0338	-0.0498	-0.0133	0.0017	-0.0013						
Parina 12kV	0.0182	-0.0142	-0.0357	0.0058	0.0042	0.0135	-0.0105	-0.0320	0.0066	0.0015	0.0246	-0.0104	-0.0291	0.0047	-0.0004	0.0283	-0.1300	-0.0324	-0.0005	0.0311	-0.1538	-0.0303	0.0102	-0.0031						
Paridale 12kV	0.0195	-0.0462	-0.0315	0.0015	0.0046	0.0145	-0.0466	-0.0282	0.0017	0.0002	0.0265	-0.0457	-0.0257	0.0012	-0.0011	0.0304	-0.0566	-0.0285	-0.0001	0.0043	-0.0675	-0.0267	0.0027	-0.0004						
Parkmore 16kV	0.0255	-0.0855	-0.0335	0.0063	0.0001	0.0190	-0.0849	-0.0201	0.0076	-0.0013	0.0346	-0.0801	-0.0086	0.0066	-0.0005	0.0398	-0.1066	-0.0187	0.0027	-0.0009	0.0841	-0.1277	-0.0188	0.0122	0.0000					
Parkridge 12kV	0.0471	-0.0390	-0.0201	0.0044	0.0350	-0.0395	-0.0167	0.0204	0.0000	0.0638	-0.0391	-0.0139	0.0201	-0.0019	0.0734	-0.0516	-0.0166	0.0008	-0.0022	0.1551	-0.0645	-0.0157	0.0338	-0.0013						
Parkway 12kV	0.0357	-0.0689	-0.0206	0.0061	-0.0003	0.0245	-0.0680	-0.0160	0.0070	-0.0012	0.0446	-0.0655	-0.0211	0.0049	-0.0028	0.0513	-0.0886	-0.0158	-0.0006	0.0013	0.1085	-0.1116	-0.0151	0.0107	-0.0022					
Parma 12kV	1.6194	-0.0445	-0.0345	0.0141	0.0000	2.5444	-0.0504	-0.0334	0.0159	0.0000	0.2623	-0.0533	-0.0328	0.0105	0.0000	0.3033	-0.0615	-0.0339	-0.0210	0.0000	0.0640	-0.0883	-0.0163	0.0316	-0.0019					
Parman 16kV	0.0110	-0.0771	-0.0585	0.0184	0.0062	0.0081	-0.0779	-0.0496	0.0222	-0.0012	0.0149	-0.0756	-0.0245	0.0193	-0.0004	0.0171	-0.0913	-0.0498	0.0079	0.0000	0.0361	-0.1025	-0.0469	0.0356	0.0000					
Parocela 4.16kV	0.0076	-0.0025	-0.0044	0.0005	0.0013	0.0056	-0.0023	-0.0006	0.0006	0.0000	0.0103	-0.0022	-0.0009	0.0004	-0.0005	0.0118	-0.0228	-0.0008	0.0000	0.0249	-0.0023	-0.0008	0.0034	0.0000						
Parrot 12kV	0.0086	-0.0559	-0.0644	0.0016	0.0013	0.0064	-0.0615	-0.0642	0.0020	0.0000	0.0117	-0.0659	-0.0647	0.0027	-0.0001	0.0134	-0.0715	-0.0644	0.0064	0.0000	0.0283	-0.0782	-0.0066	0.0047	0.0000					
Parsons 12kV	0.0419	-0.0681	-0.0171	0.0106	0.0008	0.0311	-0.0531	-0.0113	0.0119	0.0004	0.0568	-0.0409	-0.0006	0.0077	0.0001	0.0653	-0.0455	-0.0107	-0.0100	0.0004	0.0456	-0.0456	-0.0106	0.0162	-0.0013					
Parwley 12kV	0.0176	-0.0625	-0.0120	0.0045	0.0000	0.0130	-0.0656	-0.0092	0.0050	0.0000	0.0238	-0.0613	-0.0067	0.0033	0.0000	1.8095	-0.0796	-0.0090	-0.0067	0.0000	0.0579	-0.0908	-0.0086	0.0062	0.0000					
Pawnee 12kV	0.0261	-0.1327	-0.0336	0.0062	0.0015	0.0194	-0.1092	-0.0236	0.0069	-0.0006	0.0353	-0.0852	-0.0151	0.0045	-0.0009	0.0406	-0.0922	-0.0228	-0.0058	-0.0022	0.0859	-0.0897	-0.0221	0.0094	-0.0053					
Paxton 4.16kV	0.0000	-0.0250	-0.0040	0.0000	0.0000	0.0273	-0.0303	0.0000	0.0000																					

Facility	2018				2019				2020				2021				2022								
	EE Demand (MW)	PV (MW) ^{1a}	EE (MW) ^{1b}	EV (MW) ^{1b}	LMDR (MW) ^{1b}	EE Demand (MW)	PV (MW) ^{1b}	EE (MW) ^{1b}	EV (MW) ^{1b}	LMDR (MW) ^{1b}	EE Demand (MW)	PV (MW) ^{2b}	EE (MW) ^{2b}	EV (MW) ^{2b}	LMDR (MW) ^{2b}	EE Demand (MW)	PV (MW) ^{2b}	EE (MW) ^{2b}	EV (MW) ^{2b}	LMDR (MW) ^{2b}					
Peralta 12kV	0.0087	-0.0009	-0.0297	0.0107	0.0054	0.0065	-0.0884	-0.0241	0.0121	-0.0013	0.0119	-0.0833	-0.0194	0.0085	-0.0001	0.0136	-0.1065	-0.0236	-0.0010	0.0288	-0.1266	-0.0226	0.0186	-0.0027	
Perch 12kV	0.0075	-0.0682	-0.0286	0.0089	0.0000	0.0056	-0.0744	-0.0239	0.0109	0.0000	0.0102	-0.0767	-0.0201	0.0081	0.0000	0.0117	-0.0967	-0.0239	-0.0067	0.0000	0.0247	-0.1126	-0.0226	0.0145	0.0000
Perimeter 12kV	0.0000	-0.0041	-0.0050	0.0000	0.0000	0.0000	-0.0041	-0.0034	0.0000	0.0000	0.0000	-0.0059	-0.0020	0.0000	0.0000	0.0000	-0.0072	-0.0032	0.0000	0.0000	0.0000	-0.0113	-0.0032	0.0000	0.0000
Perkins 12kV	0.0017	-0.0547	-0.0282	0.0022	0.0055	0.0012	-0.0585	-0.0258	0.0025	-0.0014	0.0023	-0.0600	-0.0240	0.0018	-0.0011	0.0026	-0.0796	-0.0262	-0.0002	0.0009	0.0055	-0.0984	-0.0244	0.0039	-0.0009
Perris 12kV	0.0254	-0.0299	-0.0105	0.0002	0.0030	0.0188	-0.0254	-0.0087	0.0003	-0.0020	0.0344	-0.0206	-0.0074	0.0002	0.0002	0.0395	-0.0222	-0.0087	0.0001	0.0000	0.0835	-0.0218	-0.0083	0.0004	-0.0013
Pershing 4.16kV	0.0032	-0.0236	-0.0048	0.0008	0.0000	0.0024	-0.0260	-0.0028	0.0009	-0.0004	0.0044	-0.0270	-0.0011	0.0006	0.0000	0.0050	-0.0390	-0.0026	-0.0001	0.0004	0.0106	-0.0487	-0.0026	0.0013	-0.0022
Persia 12kV	0.0047	-0.1118	-0.0357	0.0112	0.0052	0.0035	-0.1114	-0.0302	0.0126	-0.0002	0.0000	-0.1075	-0.0258	0.0082	-0.0014	0.0103	-0.1403	-0.0303	-0.0105	0.0009	0.0153	-0.1703	-0.0285	0.0171	-0.0004
Peso 12kV	1.0325	-0.0749	-0.0300	0.0017	0.0000	0.0241	-0.0739	-0.0254	0.0200	0.0000	0.0441	-0.0713	-0.0217	0.0013	0.0000	0.0507	-0.0904	-0.0254	-0.0026	0.0000	0.1071	-0.1078	-0.0240	0.0024	0.0000
Petan 12kV	0.0216	-0.0441	-0.0134	0.0014	0.0003	0.0160	-0.0422	-0.0101	0.0017	0.0000	0.0293	-0.0396	-0.0073	0.0015	-0.0009	0.0336	-0.0504	-0.0098	0.0006	0.0009	0.0711	-0.0602	-0.0096	0.0028	-0.0009
Pete 12kV	0.0045	-0.0609	-0.0205	0.0032	0.0034	0.0023	-0.0620	-0.0141	0.0038	-0.0025	0.0061	-0.0621	-0.0086	0.0033	-0.0016	0.0071	-0.0889	-0.0136	0.0014	-0.0013	0.0149	-0.1179	-0.0132	0.0061	-0.0009
Peterbilt 12kV	9.1000	-0.0562	-0.0390	0.0002	0.0048	0.0202	-0.0597	-0.0377	0.0002	-0.0020	0.0369	-0.0604	-0.0369	0.0003	0.0007	0.0424	-0.0717	-0.0379	0.0007	0.0004	0.0897	-0.0799	-0.0356	0.0005	-0.0022
Petit 16kV	0.0098	-0.0152	-0.0094	0.0006	0.0014	0.0073	-0.0175	-0.0069	0.0007	0.0002	0.0133	-0.0194	-0.0085	0.0005	-0.0001	0.0153	-0.0250	-0.0087	-0.0001	0.0000	0.0324	-0.0310	-0.0084	0.0011	0.0000
Petri 12kV	0.0300	-0.0824	-0.0366	0.0036	0.0054	0.0223	-0.0856	-0.0296	0.0040	-0.0046	0.0869	-0.0240	0.0028	-0.0013	0.0003	0.0467	-0.1212	-0.0295	-0.0003	0.0022	0.0987	-0.1586	-0.0280	0.0062	-0.0013
Petro 16kV	0.2771	-0.0285	-0.0308	0.0014	-0.0002	0.0163	-0.0319	-0.0305	0.0017	-0.0013	0.0297	-0.0346	-0.0305	0.0024	0.0002	0.0343	-0.0566	-0.0302	0.0057	-0.0004	0.0721	-0.0933	-0.0288	0.0041	-0.0004
Pettis 16kV	0.0045	-0.0621	-0.0203	0.0021	0.0036	0.0003	-0.0620	-0.0141	0.0038	-0.0025	0.0061	-0.0620	-0.0086	0.0033	-0.0016	0.0071	-0.0889	-0.0136	0.0014	-0.0013	0.0149	-0.1179	-0.0132	0.0061	-0.0009
Pescante 12kV	0.0108	-0.0694	-0.0191	0.0001	0.0000	0.0080	-0.0655	-0.0111	0.0019	-0.0002	0.0146	-0.0644	-0.0004	0.0017	0.0001	0.0168	-0.0092	-0.0010	0.0007	0.0004	0.0551	-0.0112	-0.0010	0.0030	-0.0004
Philippe 12kV	0.0000	-0.0627	-0.0345	0.0015	0.0003	0.0000	-0.0587	-0.0325	0.0017	0.0000	0.0052	-0.0522	-0.0131	0.0013	0.0000	0.0000	0.0563	-0.0333	0.0001	0.0004	0.0000	0.0568	-0.0309	0.0026	0.0004
Phoenix 12kV	0.0067	-0.0337	-0.0162	0.0063	0.0008	0.0050	-0.0340	-0.0125	0.0071	-0.0008	0.0000	-0.0335	-0.0094	0.0046	-0.0006	0.0014	-0.0450	-0.0124	-0.0060	0.0133	-0.0220	-0.0570	-0.0118	0.0097	-0.0004
Physician 12kV	0.0138	-0.0762	-0.1137	0.0004	0.0000	0.0102	-0.0853	-0.1167	0.0005	0.0000	0.0187	-0.0926	-0.1211	0.0003	0.0000	0.0215	-0.0963	-0.1208	-0.0004	0.0000	0.0455	-0.1035	-0.1109	0.0006	0.0000
Piano 12kV	0.0221	-0.0780	-0.0359	0.0171	0.0015	0.0164	-0.0842	-0.0322	0.0193	0.0000	0.0299	-0.0877	-0.0314	0.0125	0.0002	0.0344	-0.1175	-0.0339	-0.0161	0.0009	0.0276	-0.1482	-0.0315	0.0261	-0.0022
Picador 16kV	0.0613	-0.1438	-0.0334	0.0083	0.0000	0.0455	-0.1615	-0.0237	0.0102	0.0000	0.0831	-0.1763	-0.0154	0.0076	0.0000	0.0956	-0.2432	-0.0229	-0.0062	0.0000	0.2029	-0.3048	-0.0222	0.0135	0.0000
Piccolo 12kV	0.0221	-0.0481	-0.0165	0.0029	0.0016	0.0164	-0.0519	-0.0211	0.0037	-0.0017	0.0299	-0.0544	-0.0262	0.0044	-0.0008	0.0344	-0.0624	-0.0640	0.0009	0.0000	0.0726	-0.0712	-0.0590	0.0058	-0.0009
Pick 12kV	0.0183	-0.0581	-0.0206	0.0041	0.0007	0.0136	-0.0491	-0.0171	0.0047	-0.0007	0.0247	-0.0408	-0.0143	0.0030	-0.0013	0.0285	-0.0452	-0.0171	-0.0039	0.0022	0.0601	-0.0466	-0.0162	0.0063	-0.0000
Pickens 16kV	0.0584	-0.0720	-0.0173	0.0079	0.0041	0.0434	-0.0766	-0.0149	0.0089	-0.0012	0.0792	-0.0767	-0.0130	0.0063	0.0010	0.0910	-0.1062	-0.0150	-0.0007	0.0099	0.1924	-0.1331	-0.0141	0.0138	-0.0004
Pickering 4.16kV	0.0051	-0.0046	-0.0072	0.0019	0.0008	0.0038	-0.0050	-0.0070	0.0021	0.0000	0.0070	-0.0053	-0.0069	0.0015	-0.0001	0.0080	-0.0056	-0.0072	0.0000	0.0000	0.0169	-0.0059	-0.0067	0.0033	0.0000
Pickle Meadows 16kV	0.0073	-0.0062	-0.0027	0.0000	0.0000	0.0054	-0.0070	-0.0027	0.0000	0.0000	0.0099	-0.0079	-0.0027	0.0001	0.0000	0.0114	-0.0092	-0.0028	0.0000	0.0024	-0.0103	-0.0025	0.0001	0.0000	
Picon 12kV	0.0094	-0.0544	-0.0201	0.0097	0.0031	0.0070	-0.0502	-0.0152	0.0110	0.0000	0.0128	-0.0454	-0.0110	0.0078	-0.0014	0.0147	-0.0542	-0.0145	-0.0009	0.0013	0.0311	-0.0611	-0.0143	0.0170	-0.0022
Piedmont 4.16kV	0.0101	-0.0192	-0.0039	0.0028	0.0003	0.0075	-0.0192	-0.0023	0.0032	-0.0004	0.0137	-0.0188	-0.0010	0.0022	-0.0004	0.0157	-0.0268	-0.0022	-0.0003	0.0188	0.0333	-0.0352	-0.0022	0.0049	-0.0004
Piedra 12kV	0.0040	-0.0630	-0.0231	0.0030	0.0009	0.0029	-0.0517	-0.0174	0.0034	-0.0009	0.0054	-0.0501	-0.0126	0.0024	-0.0004	0.0061	-0.0601	-0.0171	-0.0003	0.0004	0.0131	-0.0662	-0.0164	0.0053	-0.0004
Pierson 33kV	12.9940	-0.0017	-0.0010	0.0002	0.0000	11.3174	-0.0019	-0.0010	0.0001	0.0000	100.5988	-0.0021	-0.0009	0.0004	0.0000	18.2036	-0.0021	-0.0009	0.0011	0.0000	7.2455	-0.0023	-0.0009	0.0006	0.0000
Pigskin 12kV	0.1943	-0.0456	-0.0083	0.0145	0.0000	0.0066	-0.0495	-0.0083	0.0208	-0.0002	0.0120	-0.0525	-0.0025	0.0006	0.0000	0.0102	-0.0552	-0.0020	0.0006	0.0000	0.0292	-0.0585	-0.0061	0.0030	-0.0000
Pine Cove 12kV	0.0043	-0.0103	-0.0026	0.0016	0.0000	0.0186	-0.0158	-0.0036	0.0063	-0.0003	0.0164	-0.0154	-0.0044	0.0048	-0.0003	0.0240	-0.1963	-0.0234	-0.0005	0.0003	0.0889	-0.1575	-0.0223	0.0097	-0.0001
Pineapple 12kV	0.0270	-0.1523	-0.0222	0.0007	0.0094	0.0059	-0.1707	-0.0225	0.0009	-0.0028	0.0108	-0.1864	-0.0230	0.0012	-0.0024	0.0062	-0.1932	-0.0228	-0.0029	0.0000	0.0131	-0.2020	-0.0003	0.0041	-0.0033
Pinehurst 4.16kV	0.0041	-0.0431	-0.0089	0.0133	0.0000	0.0041	-0.0482	-0.0058	0.0155	0.0000	0.0041	-0.0504	-0.0031	0.0010	-0.0010	0.0041	-0.0728	-0.0052	0.0020	0.0000	0.0441	-0.0554	-0.0018	0.0030	-0.0000
Piney 12kV	0.0019	-0.0808	-0.0215	0.0035	0.0000	0.0153	-0.0838	-0.0238	0.0028	-0.0003	0.0170	-0.0854	-0.0238	0.0012	-0.0022	0.0024	-0.0962	-0.0238	-0.0029	0.0000	0.0131	-0.2020	-0.0003	0.0041	-0.0033
Pion 12kV	0.0079	-0.0152	-0.0222	0.0007	0.0094	0.0																			

Facility	2018						2019						2020						2021						2022					
	ee Demand (MW)	PV (MW) ^{1a}	EE (MW) ^{1b}	EV (MW) ^{1c}	LMDR (MW) ^{1d}	ee Demand (MW)	PV (MW) ^{1e}	EE (MW) ^{1f}	EV (MW) ^{1g}	LMDR (MW) ^{1h}	ee Demand (MW)	PV (MW) ¹ⁱ	EE (MW) ^{1j}	EV (MW) ^{1k}	LMDR (MW) ^{1l}	ee Demand (MW)	PV (MW) ^{1m}	EE (MW) ¹ⁿ	EV (MW) ^{1o}	LMDR (MW) ^{1p}	ee Demand (MW)	PV (MW) ^{1q}	EE (MW) ^{1r}	EV (MW) ^{1s}	LMDR (MW) ^{1t}	ee Demand (MW)	PV (MW) ^{1u}	EE (MW) ^{1v}	EV (MW) ^{1w}	LMDR (MW) ^{1x}
Pomail 12kV	0.0235	-0.0610	-0.0518	0.0029	-0.069	0.0174	-0.0640	-0.0472	0.0035	-0.0005	0.0318	-0.0653	-0.0438	0.0030	-0.0202	0.0366	-0.0810	-0.0476	0.0012	-0.0044	0.0773	-0.0983	-0.0446	0.0056	-0.0027					
Pomerroy 4.16kV	0.0000	-0.0173	-0.0051	0.0007	0.0000	-0.0210	-0.0030	0.0008	0.0000	0.0000	-0.0242	-0.0013	0.0006	0.0000	-0.0385	-0.0028	-0.0005	0.0000	0.0000	-0.0542	-0.0028	0.0011	0.0000							
Pond 12kV	0.4378	-0.0116	-0.0080	0.0003	0.0000	0.0513	-0.0130	-0.0081	0.0003	0.0000	0.0439	-0.0141	-0.0083	0.0002	0.0000	0.0505	-0.0147	-0.0083	-0.0004	0.0000	0.0711	-0.0155	-0.0079	0.0003	0.0000					
Ponderosa 16kV	0.0128	-0.1149	-0.0420	0.0167	0.0000	0.0095	-0.1100	-0.0349	0.0188	0.0000	0.0173	-0.1024	-0.0291	0.0124	0.0000	0.1258	-0.0348	-0.0249	0.0000	0.0421	-0.1459	-0.0330	0.0233	0.0000						
Pontiac 12kV	0.0163	-0.0842	-0.0554	0.0062	-0.0205	0.0121	-0.0910	-0.0520	0.0069	0.0002	0.0220	-0.0939	-0.0497	0.0045	-0.0019	0.0253	-0.1186	-0.0531	-0.0058	-0.018	0.0521	-0.1412	-0.0493	0.0094	-0.0018					
Poodie 12kV	0.0051	-0.0436	-0.0514	0.0035	0.0010	0.0038	-0.0496	-0.0601	0.0042	0.0003	0.0069	-0.0544	-0.0599	0.0037	-0.0013	0.0079	-0.0650	-0.0618	0.0015	-0.0009	0.0168	-0.0761	-0.0571	0.0068	-0.0009					
Pool 4.16kV	0.0000	-0.0137	-0.0037	0.0001	0.0006	0.0000	-0.0131	-0.0029	0.0002	0.0001	0.0000	-0.0123	-0.0022	0.0001	-0.0002	0.0000	-0.0163	-0.0028	0.0000	0.0000	-0.0200	-0.0027	0.0002	-0.0004						
Poppet Flats 12kV	0.0288	-0.0440	-0.0102	0.0004	-0.0004	0.0214	-0.0502	-0.0080	0.0005	-0.0200	0.0390	-0.0499	-0.0062	0.0003	0.0002	0.0449	-0.0711	-0.0079	0.0000	-0.035	0.0948	-0.0891	-0.0076	0.0007	-0.0013					
Poppy 12kV	0.5884	-0.0538	-0.0458	0.0037	0.0053	0.3204	-0.0573	-0.0436	0.0044	-0.0011	0.255	-0.0594	-0.0422	0.0039	-0.0083	0.293	-0.0742	-0.0442	0.0016	-0.0009	0.0620	-0.0907	-0.0412	0.0071	-0.0004					
Porcelain 4.16kV	0.0076	-0.0050	-0.0018	0.0010	0.0000	0.0056	-0.0044	-0.0013	0.0002	0.0103	-0.0037	-0.0010	0.0011	0.0002	0.0118	-0.0043	-0.0013	0.0005	0.0000	0.0249	-0.0046	0.0013	0.0020	0.0000						
Porphyry 33kV	0.0833	-0.0209	-0.0166	0.0011	0.0000	0.0618	-0.0233	-0.0162	0.0017	0.0000	0.1228	-0.0254	-0.0157	0.0022	0.0000	0.1297	-0.0264	-0.0153	0.0069	0.0000	0.2741	-0.0278	-0.0151	0.0040	0.0000					
Port 12kV	0.0553	-0.0670	-0.0296	0.0003	-0.0044	0.0321	-0.0656	-0.0265	0.0004	-0.0008	0.0330	-0.0608	-0.0242	0.0003	-0.0036	0.0379	-0.0718	-0.0269	0.0000	-0.0027	0.0401	-0.0769	-0.0251	0.0006	-0.0022					
Portland 33kV	1.0000	-0.0239	-0.0217	0.0003	0.0000	0.8000	-0.0268	-0.0211	0.0004	-0.0008	0.0806	-0.0291	-0.0205	0.0005	0.0000	0.926	-0.0303	-0.0200	0.0012	0.0000	0.1958	-0.0319	-0.0196	0.0009	0.0000					
Porto 4.8kV	0.0000	-0.0072	-0.0087	0.0008	0.0000	0.0000	-0.0065	-0.0041	0.0004	-0.0009	0.0000	-0.0057	-0.0029	0.0006	-0.0064	0.0000	-0.0066	-0.0040	0.0035	-0.0009	0.0000	-0.0072	0.0039	0.0012	0.0000					
Portugal 4.16kV	0.0000	-0.0003	-0.0001	0.0000	0.0000	0.0000	-0.0003	-0.0001	0.0000	-0.0000	0.0000	-0.0003	-0.0001	0.0000	-0.0003	0.0000	-0.0003	-0.0001	0.0000	-0.0000	0.0000	-0.0003	0.0000	0.0000						
Possum 12kV	0.0723	-0.0667	-0.0404	0.0032	0.0009	0.0612	-0.0593	-0.0201	0.0003	-0.0000	0.0931	-0.0658	-0.0402	0.0004	0.0000	0.1011	-0.0593	-0.0396	0.0012	0.0000	0.2359	-0.0365	-0.0377	0.0007	0.0009					
Potoo Part 2 4.16kV	0.0000	-0.0004	-0.0001	0.0000	0.0000	0.0000	-0.0004	-0.0001	0.0000	-0.0000	0.0000	-0.0003	0.0000	0.0000	-0.0000	0.0000	-0.0003	0.0000	0.0000	-0.0010	0.0001	-0.0003	0.0000	-0.0004						
Potash 12kV	0.0000	-0.0058	-0.0022	0.0004	0.0000	0.0000	-0.0064	-0.0020	0.0005	0.0000	0.0000	-0.0074	-0.0018	0.0003	0.0000	0.0000	0.0103	-0.0200	0.0006	0.0000	0.0124	-0.019	-0.0096	0.0000	0.0000					
Potato 12kV	0.0432	-0.0569	-0.0279	0.0013	0.0029	0.0320	-0.0780	-0.0242	0.0015	0.0000	0.0585	-0.0823	-0.0213	0.0013	-0.0111	0.0573	-0.1347	-0.0244	0.0005	-0.0181	0.1423	-0.1405	-0.0229	0.0024	0.0000					
Potosi 25kV	0.0000	-0.0074	-0.0040	0.0000	0.0000	0.0000	-0.0083	-0.0037	0.0000	0.0000	0.0000	-0.0090	-0.0025	0.0000	0.0000	0.0000	0.0094	-0.0037	0.0000	0.0000	0.0099	-0.0037	0.0000	0.0000						
Potters 12kV	0.0107	-0.0364	-0.0207	0.0006	0.0079	0.0079	-0.0368	-0.0191	0.0007	0.0003	0.0144	-0.0365	-0.0179	0.0006	0.0001	0.0166	-0.0192	-0.0003	0.0000	0.0351	-0.0452	-0.0183	0.0111	-0.0009						
Poultry 12kV	0.0104	-0.0855	-0.0251	0.0092	0.0005	0.0077	-0.0817	-0.0167	0.0103	0.0000	0.0141	-0.0755	-0.0094	0.0067	-0.0005	0.0162	-0.0985	-0.0159	0.0000	0.0342	-0.1188	-0.0157	0.0140	-0.0027						
Pound 12kV	0.0108	-0.0324	-0.0248	0.0014	0.0080	0.0006	-0.0333	-0.0307	0.0016	0.0000	0.0146	-0.0338	-0.0293	0.0012	0.0002	0.0168	-0.0363	-0.0402	-0.0001	0.0095	-0.0386	-0.0377	0.0025	0.0000						
Pourroy 12kV	0.0111	-0.1350	-0.0205	0.0064	0.0026	0.0082	-0.1318	-0.0164	0.0072	0.0013	0.0150	-0.1253	-0.0130	0.0047	-0.0016	0.0173	-0.1703	-0.0163	-0.0050	-0.0202	0.0365	-0.2134	-0.0154	0.0098	-0.0009					
Powder 16kV	0.0000	-0.0549	-0.0360	0.0026	0.0011	0.0000	-0.0625	-0.0336	0.0031	-0.0001	0.0000	-0.0680	-0.0318	0.0027	0.0000	0.0000	0.0912	-0.0337	0.0011	0.0000	0.0000	-0.1142	-0.0318	0.0050	-0.0013					
Powell 16kV	0.0016	-0.1045	-0.0454	0.0051	0.0064	0.0012	-0.0979	-0.0388	0.0057	-0.0015	0.0021	-0.0870	-0.0334	0.0040	-0.0008	0.0022	-0.1000	-0.0389	-0.0005	0.0013	0.0052	-0.1054	-0.0366	0.0088	-0.0040					
Power 4.16kV	0.0136	-0.0353	-0.0071	0.0005	0.0009	0.0101	-0.0326	0.0046	0.0006	-0.0001	0.0294	-0.0205	0.0005	0.0004	0.0378	-0.0444	0.0002	0.0000	0.0451	-0.0853	-0.0043	0.0049	-0.0031							
Prado 16kV	0.0244	-0.0846	-0.0835	0.0016	0.0106	0.0181	-0.0514	-0.0854	0.0057	-0.0020	0.0001	-0.0559	-0.0890	0.0023	-0.0002	0.0380	-0.0581	-0.0887	0.0005	0.0000	0.0803	-0.0612	-0.0814	0.0031	0.0000					
Prairie 12kV	0.0896	-0.0097	-0.0024	0.0001	0.0000	0.0641	-0.0100	-0.0023	0.0001	0.0000	0.1170	-0.0099	-0.0023	0.0002	0.0000	0.1345	-0.0108	-0.0023	0.0005	0.0000	0.2844	-0.0113	-0.0023	0.0003	0.0000					
Pratt 12kV	0.0240	-0.0281	-0.0099	0.0005	0.0069	0.0080	-0.0276	-0.0083	0.0006	-0.0005	0.0146	-0.0265	-0.0070	0.0005	-0.0012	0.0202	-0.0326	-0.0083	0.0002	-0.0181	0.0555	-0.0616	-0.0080	0.0100	-0.0018					
Priory 12kV	0.0131	-0.0560	-0.0162	0.0028	0.0007	0.0001	-0.0550	-0.0144	0.0002	-0.0005	0.0222	-0.0545	-0.0144	0.0004	-0.0005	0.0225	-0.0658	-0.0144	0.0004	-0.0022	0.0553	-0.0686	-0.0148	0.0079	-0.0018					
Prokter 12kV	0.0076	-0.0667	-0.0091	0.0001	0.0006	0.0056	-0.0662	-0.0093	0.0033	-0.0007	0.0090	-0.0636	-0.0089	0.0028	-0.0006	0.0104	-0.0834	-0.0328	0.0012	-0.0133	0.220	-0.307	-0.0303	0.0052	-0.0018					
Probe 33kV	0.0190	-0.0000	0.0000	0.0009	0.																									

Facility	2018								2019								2020								2021								2022							
	EE Demand (MW)	PV (MW) ^{1a}	EE (MW) ^{1b}	EV (MW) ^{1b}	LMDR (MW) ^{1b}	EE Demand (MW)	PV (MW) ^{1b}	EE (MW) ^{1b}	EV (MW) ^{1b}	LMDR (MW) ^{1b}	EE Demand (MW)	PV (MW) ^{2b}	EE (MW) ^{2b}	EV (MW) ^{2b}	LMDR (MW) ^{2b}	EE Demand (MW)	PV (MW) ^{2b}	EE (MW) ^{2b}	EV (MW) ^{2b}	LMDR (MW) ^{2b}	EE Demand (MW)	PV (MW) ^{2b}	EE (MW) ^{2b}	EV (MW) ^{2b}	LMDR (MW) ^{2b}	EE (MW) ^{2b}	EV (MW) ^{2b}	LMDR (MW) ^{2b}												
Quinby 12kV	0.0382	-0.0783	-0.0466	0.0010	0.0069	0.0284	-0.0799	-0.0404	0.0013	-0.0008	0.0518	-0.0794	-0.0355	0.0011	-0.0017	0.0595	-0.1046	-0.0407	0.0005	-0.0040	0.1258	-0.1309	-0.0382	0.0020	-0.0035															
Quincy 4.16kV	0.0103	-0.0324	-0.0068	0.0081	0.0000	0.0076	-0.0337	-0.0048	0.0091	0.0000	0.0139	-0.0324	-0.0031	0.0060	0.0000	0.0160	-0.0414	-0.0046	-0.0120	0.0000	0.0338	-0.0466	-0.0045	0.0112	0.0000															
Quinto 12kV	0.0238	-0.0774	-0.0208	0.0073	-0.0008	0.0176	-0.0761	-0.0148	0.0083	-0.0034	0.0322	-0.0729	-0.0098	0.0058	-0.0025	0.0370	-0.0996	-0.0144	-0.0007	0.0040	0.0782	-0.1261	-0.0139	0.0128	-0.0027															
Quixote 12kV	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000											
Rabbit 12kV	0.0194	-0.0290	-0.0058	0.0010	0.0000	0.0144	-0.0314	-0.0042	0.0012	0.0000	0.0263	-0.0322	-0.0028	0.0009	0.0000	0.0302	-0.0443	-0.0040	-0.0007	0.0000	0.0639	-0.0542	-0.0039	0.0016	0.0000															
Racer 16kV	0.0015	-0.0342	-0.0073	0.0025	-0.0005	1.9111	-0.0295	-0.0048	0.0028	-0.0002	1.9420	-0.0241	-0.0026	0.0020	-0.0001	2.6523	-0.0276	-0.0046	-0.0002	0.0000	0.5948	-0.0291	-0.0045	0.0043	-0.0013															
Raceway 12kV	0.0056	-0.0656	-0.0884	0.0008	0.0000	0.0033	-0.0733	-0.0093	0.0010	0.0000	0.0045	-0.0791	-0.0034	0.0014	0.0000	0.0101	-0.0868	-0.0094	0.0015	0.0000	0.0214	-0.0950	-0.0058	0.0019	0.0000															
Racine 12kV	0.0045	-0.0792	-0.0644	0.0018	0.0000	0.0034	-0.0835	-0.0623	0.0022	0.0000	0.0061	-0.0856	-0.0610	0.0032	0.0000	0.0071	-0.0992	-0.0625	0.0052	0.0000	0.0149	-0.1124	-0.0058	0.0048	0.0000															
Racquet Club 4.16kV	0.0038	-0.0023	-0.0200	0.0003	0.0000	0.0028	-0.0018	-0.0011	0.0003	-0.0009	0.0051	-0.0014	-0.0006	0.0002	-0.0004	0.0059	-0.0017	-0.0010	0.0000	0.0025	-0.0012	-0.0018	-0.0010	0.0005	0.0000															
Rader 12kV	0.0045	-0.0661	-0.0437	0.0011	0.0005	0.0034	-0.0695	-0.0421	0.0014	-0.0010	0.0061	-0.0705	-0.0147	0.0019	0.0000	0.0071	-0.0823	-0.0117	0.0046	0.0000	0.0149	-0.0926	-0.0036	0.0034	0.0000															
Radford 12kV	0.0281	-0.0999	-0.0353	0.0089	0.0037	0.0208	-0.1036	-0.0303	0.0101	-0.0001	0.0381	-0.0994	-0.0263	0.0071	-0.0015	0.0438	-0.1314	-0.0304	-0.0008	0.0009	0.0925	-0.1620	-0.0287	0.0155	-0.0022															
Radiator 16kV	0.0219	-0.0629	-0.0014	0.0014	0.0000	0.0163	-0.0031	-0.0008	0.0018	0.0000	0.0297	-0.0032	-0.0003	0.0013	0.0000	0.0341	-0.0047	-0.0007	-0.0011	0.0000	0.0721	-0.0664	-0.0007	0.0023	0.0000															
Radium 12kV	0.0216	-0.0128	-0.0192	0.0015	0.0015	0.0160	-0.0143	-0.0162	0.0018	0.0000	0.0293	-0.0155	-0.0175	0.0016	-0.0001	0.0346	-0.0182	-0.0166	0.0006	0.0000	0.0711	-0.0210	-0.0072	0.0029	0.0000															
Radnor 12kV	0.1053	-0.1221	-0.0291	0.0008	0.0000	0.0321	-0.1187	-0.0230	0.0009	0.0000	0.0330	-0.1092	-0.0178	0.0006	0.0000	0.0379	-0.1297	-0.0226	-0.0014	0.0000	0.1300	-0.1390	-0.0219	0.0110	0.0000															
Raham 12kV	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000												
Rain 15kV	0.0291	-0.0975	-0.0432	0.0067	0.0000	0.0288	-0.0420	-0.0047	0.0010	0.0000	0.0598	-0.0455	-0.0047	0.0013	0.0000	0.0584	-0.0474	-0.0043	0.0000	0.0131	-0.1234	-0.0500	-0.0014	0.0021	-0.0003															
Raiders 12kV	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000												
Rainbow 16kV	0.0169	-0.0393	-0.0143	0.0015	0.0049	0.0125	-0.0403	-0.0128	0.0017	0.0001	0.0229	-0.0398	-0.0117	0.0012	0.0000	0.0263	-0.0456	-0.0128	-0.0001	0.0000	0.0556	-0.0496	-0.0125	0.0026	-0.0004															
Raisin 13kV	0.0432	-0.0818	-0.0370	0.0026	0.0008	0.0320	-0.0919	-0.0332	0.0039	0.0000	0.0329	-0.0972	-0.0303	0.0019	0.0000	0.0673	-0.1324	-0.0368	-0.0024	0.0018	0.1422	-0.1607	-0.0334	0.0039	0.0000															
Raleigh 4.16kV	0.0111	-0.0111	-0.0049	0.0048	0.0000	0.0122	-0.0029	-0.0005	0.0009	0.0000	0.0213	-0.0131	-0.0044	0.0004	0.0000	0.0198	-0.0199	-0.0027	-0.0036	0.0000	0.0275	-0.0027	0.0078	0.0000																
Ralston 16kV	0.0467	-0.0317	-0.0238	0.0004	0.0041	0.0347	-0.0374	-0.0225	0.0005	-0.0013	0.0633	-0.0422	-0.0217	0.0006	0.0000	0.0728	-0.0599	-0.0229	0.0001	0.0000	0.1539	-0.1794	-0.0213	0.0008	0.0000															
Ramar 16kV	0.0038	-0.0606	-0.0174	0.0038	0.0000	0.0228	-0.0615	-0.0162	0.0050	0.0000	0.0501	-0.0602	-0.0153	0.0071	0.0000	0.0509	-0.0710	-0.0163	0.0014	0.0000	0.1234	-0.1794	-0.0158	0.0079	0.0000															
Rambler 12kV	0.0163	-0.1324	-0.0393	0.0046	0.0000	0.0121	-0.1517	-0.0320	0.0052	0.0000	0.0220	-0.1637	-0.0260	0.0036	0.0000	0.0253	-0.2320	-0.0318	-0.0083	0.0000	0.0521	-0.2942	-0.0302	0.0060	0.0000															
Rambo 12kV	0.0571	-0.0639	-0.0182	0.0009	0.0000	0.0424	-0.0605	-0.0106	0.0011	0.0000	0.0774	-0.0560	-0.0041	0.0009	0.0000	0.0890	-0.0747	-0.0098	-0.0007	0.0000	0.1880	-0.0919	-0.0099	0.0015	0.0000															
Ramp 12kV	0.0194	-0.1543	-0.0489	0.0211	0.0038	0.0144	-0.1650	-0.0411	0.0238	0.0010	0.0263	-0.1661	-0.0349	0.0154	-0.0019	0.0303	-0.2263	-0.0412	-0.0199	-0.0355	0.0060	0.2674	-0.3039	-0.0322	0.0000															
Rams 12kV	0.0000	-0.0482	-0.0491	0.0114	0.0168	0.0000	-0.0518	-0.0476	0.0130	-0.0020	0.0000	-0.0543	-0.0469	0.0091	-0.0020	0.0000	0.0631	-0.0483	-0.0101	-0.0004	0.0000	0.0727	-0.0451	0.0200	-0.0004															
Ramsay 4.16kV	0.0150	-0.1000	-0.0058	0.0010	0.0013	0.0112	-0.0047	0.0012	0.0001	0.0204	-0.0103	-0.0038	0.0008	0.0002	0.0234	-0.0136	-0.0046	-0.0001	0.0000	0.0495	-0.1072	-0.0046	0.0018	0.0000																
Ramsgate 12kV	0.0412	-0.1518	-0.0165	0.0068	0.0000	0.0305	-0.1408	-0.0095	0.0077	-0.0020	0.0731	-0.1236	-0.0034	0.0050	-0.0004	0.0841	-0.1550	-0.0087	-0.0064	0.0000	0.1355	-0.1745	-0.0088	0.0104	-0.0049															
Rana 12kV	0.0335	-0.0305	-0.0204	0.0000	0.0029	0.0249	-0.0269	-0.0139	0.0043	0.0000	0.0419	-0.0235	-0.0084	0.0028	0.0000	0.0482	-0.0267	-0.0133	-0.0057	0.0000	0.0546	-0.1057	-0.0057	0.0000	0.0000															
Ranch 12kV	0.0056	-0.0601	-0.0362	0.0029	0.0012	0.0042	-0.0612	-0.0131	0.0056	0.0000	0.0242	-0.0505	-0.0105	0.0061	-0.0001	0.0103	-0.0305	-0.0076	-0.0008	0.0000	0.0706	-0.1022	-0.0022	0.0000	0.0000															
Rand 12kV	0.1738	-0.1194	-0.0421	0.0009	0.0029	0.0362	-0.1267	-0.0416	0.0011	0.0000	0.0661	-0.1248	-0.0418	0.0009	0.0001																									

Facility	2018					2019					2020					2021					2022						
	EE Demand (MW)	PV (MW) ^{1a}	EE (MW) ^{1b}	EV (MW) ^{1b}	LMDR (MW) ^{1b}	EE Demand (MW)	PV (MW) ^{1b}	EE (MW) ^{1b}	EV (MW) ^{1b}	LMDR (MW) ^{1b}	EE Demand (MW)	PV (MW) ^{2b}	EE (MW) ^{2b}	EV (MW) ^{2b}	LMDR (MW) ^{2b}	EE Demand (MW)	PV (MW) ^{2b}	EE (MW) ^{2b}	EV (MW) ^{2b}	LMDR (MW) ^{2b}	EE Demand (MW)	PV (MW) ^{2b}	EE (MW) ^{2b}	EV (MW) ^{2b}	LMDR (MW) ^{2b}		
Resort 33kV	0.3972	-0.0003	-0.0002	0.0035	0.0000	0.2948	-0.0003	-0.0002	0.0040	0.0000	0.6055	-0.0004	-0.0002	0.0028	0.0000	0.3868	-0.0004	-0.0002	0.0028	0.0000	0.8175	-0.0004	-0.0002	0.0047	0.0000		
Retreat 12kV	0.0432	-0.0398	-0.0084	0.0028	0.0003	0.0320	-0.0345	-0.0056	0.0031	0.0001	0.0585	-0.0284	-0.0031	0.0022	-0.0004	0.0673	-0.0333	-0.0053	0.0003	0.0000	0.1422	-0.0354	-0.0052	0.0048	-0.0004		
Reverse Peak 12kV	0.0060	-0.0027	-0.0047	0.0001	0.0000	0.0044	-0.0064	-0.0040	0.0001	0.0000	0.0081	-0.0063	-0.0034	0.0001	0.0000	0.0093	-0.0074	-0.0040	0.0001	0.0000	0.0196	-0.0085	-0.0038	0.0001	0.0000		
Rex 4.16kV	0.0007	-0.0416	-0.0056	0.0017	0.0003	0.0005	-0.0456	-0.0033	0.0019	-0.0006	0.0010	-0.0461	-0.0013	0.0014	0.0001	0.0011	-0.0643	-0.0300	-0.0002	-0.0018	0.0000	0.0224	-0.0772	-0.0031	0.0029	-0.0013	
Rexford 4.16kV	0.0100	-0.0049	-0.0077	0.0001	0.0000	0.0074	-0.0055	-0.0079	0.0001	0.0000	0.0135	-0.0059	-0.0081	0.0001	0.0000	0.0155	-0.0064	-0.0081	0.0002	0.0000	0.0328	-0.0069	-0.0075	0.0002	0.0000		
Rheen 16kV	0.0652	-0.0351	-0.0359	0.0002	0.0000	0.0484	-0.0393	-0.0358	0.0004	0.0000	0.0884	-0.0427	-0.0360	0.0005	0.0000	0.1016	-0.0444	-0.0355	0.0011	0.0000	0.2148	-0.0467	-0.0337	0.0008	0.0000		
Rhine 12kV	0.0000	-0.0411	-0.0440	0.0008	0.0001	0.0000	-0.0447	-0.0420	0.0010	-0.0017	0.0000	-0.0476	-0.0408	0.0008	-0.0078	0.0000	-0.0566	-0.0425	0.0003	0.0000	0.0000	-0.0671	-0.0397	0.0015	-0.0009	0.0000	
Rhinedollar 12kV	0.0000	-0.0006	-0.0009	0.0001	0.0003	0.0000	-0.0007	-0.0010	0.0001	-0.0001	0.0000	-0.0008	-0.0010	0.0001	0.0000	0.0000	-0.0008	-0.0010	0.0000	0.0000	0.0000	-0.0008	0.0009	0.0001	0.0000	0.0000	
Rhoads 12kV	0.0531	-0.0868	-0.0349	0.0021	0.0087	0.0432	-0.0887	-0.0307	0.0025	-0.0055	0.0865	-0.0886	-0.0273	0.0022	-0.0037	0.0973	-0.1175	-0.0305	0.0009	-0.0031	0.2053	-0.1480	-0.0289	0.0040	-0.0027		
Rhoda 16kV	0.0200	-0.0829	-0.0474	0.0033	-0.0069	0.0148	-0.0837	-0.0440	0.0040	-0.0002	0.0270	-0.0817	-0.0415	0.0035	-0.0009	0.0311	-0.0958	-0.0439	0.0014	-0.0022	0.0657	-0.1063	-0.0415	0.0064	-0.0009		
Rhode Island 12kV	0.0052	-0.0192	-0.0242	0.0017	0.0000	0.0038	-0.0215	-0.0248	0.0027	0.0000	0.0070	-0.0234	-0.0256	0.0035	0.0000	0.0081	-0.0243	-0.0255	0.0081	0.0000	0.0170	-0.0256	-0.0235	0.0056	0.0000		
Rhumba 16kV	0.0131	-0.1044	-0.0684	0.0042	0.0090	0.0097	-0.1204	-0.0841	0.0051	0.0003	0.0178	-0.1323	-0.0816	0.0044	-0.0011	0.0204	-0.1790	-0.0860	0.0018	-0.0009	0.0432	-0.2249	-0.0797	0.0082	-0.0013		
Ricardo 16kV	0.0096	-0.0894	-0.0619	0.0039	0.0076	0.0071	-0.0970	-0.0595	0.0047	0.0019	0.0130	-0.0999	-0.0584	0.0041	-0.0019	0.0150	-0.1260	-0.0610	0.0017	-0.0018	0.0317	-0.1475	-0.0565	0.0076	0.0000		
Richards 4.16kV	0.0030	-0.0048	-0.0013	0.0017	0.0000	0.0023	-0.0057	-0.0007	0.0051	0.0000	0.0041	-0.0063	-0.0003	0.0039	0.0000	0.0000	-0.0098	-0.0007	0.0112	0.0000	0.0000	-0.0131	-0.0007	0.0071	0.0000	0.0000	
Ridgecroft 12kV	0.0003	-0.0045	-0.0021	0.0001	0.0000	0.0035	-0.0051	-0.0021	0.0001	0.0000	0.0048	-0.0058	-0.0021	0.0001	0.0000	0.0050	-0.0051	-0.0021	0.0001	0.0000	0.0154	-0.0051	-0.0001	0.0000	0.0000		
Richmond 16kV	0.0044	-0.0008	-0.0039	0.0004	0.0003	0.0033	-0.0004	-0.0004	0.0043	0.0000	0.0066	-0.0008	-0.0014	0.0011	0.0000	0.0000	0.0027	-0.0023	0.0003	0.0000	0.0045	-0.0045	-0.0002	0.0067	-0.0004		
Rickup 4.16kV	0.0000	-0.0041	-0.0111	0.0000	0.0000	0.0000	-0.0046	-0.0006	0.0004	0.0000	0.0000	-0.0056	-0.0002	0.0003	0.0000	0.0000	0.0000	-0.0080	-0.0004	0.0000	0.0000	0.0000	-0.0006	0.0006	-0.0004	0.0000	0.0000
Rickwood 12kV	0.0000	-0.0001	-0.0001	0.0000	0.0000	0.0000	-0.0001	-0.0001	0.0000	0.0000	0.0000	-0.0001	-0.0001	0.0000	0.0000	0.0000	-0.0001	-0.0001	0.0000	0.0000	0.0000	-0.0001	0.0000	-0.0001	0.0000	0.0000	
Rickwood 23kV	0.0564	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0072	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Rickwood 33kV	0.0067	-0.0853	-0.0364	0.0048	0.0002	0.0050	-0.0877	-0.0189	0.0058	-0.0019	0.0060	-0.0873	-0.0123	0.0050	-0.0018	0.0104	-0.1256	-0.0183	0.0021	-0.0044	0.0220	-0.1677	-0.0177	0.0092	-0.0049	0.0000	
Ricker 23kV	0.0352	-0.1611	-0.2114	0.0011	0.0000	0.0362	-0.1803	-0.2785	0.0012	0.0000	0.0477	-0.1988	-0.2891	0.0009	0.0000	0.0549	-0.2036	-0.2882	0.0001	0.0000	0.1169	-0.2146	-0.2647	0.0019	0.0000		
Ridge 12kV	0.0270	-0.0132	-0.0157	0.0001	0.0024	0.0200	-0.0134	-0.0153	0.0002	0.0019	0.0366	-0.0135	-0.0152	0.0001	0.0000	0.0420	-0.0147	-0.0151	0.0001	0.0000	0.0889	-0.0161	-0.0145	0.0003	0.0000		
Ridgefield 4.16kV	0.0112	-0.0143	-0.0065	0.0064	0.0000	0.0083	-0.0149	-0.0042	0.0072	0.0000	0.0152	-0.0150	-0.0023	0.0047	0.0000	0.0175	-0.0216	-0.0040	0.0000	0.0370	-0.0290	-0.0039	0.0089	0.0000	0.0000		
Ridgemoor 12kV	0.0040	-0.1492	-0.0236	0.0028	0.0024	0.0029	-0.1446	-0.0176	0.0032	-0.0022	0.0054	-0.1317	-0.0125	0.0022	-0.0005	0.0062	-0.1556	-0.0172	-0.0003	-0.0018	0.0131	-0.1841	-0.0166	0.0049	-0.0335	0.0000	
Rieck 12kV	0.1938	-0.0026	-0.0012	0.0001	0.0000	0.0801	-0.0229	-0.0012	0.0001	0.0000	0.0768	-0.0031	-0.0011	0.0002	0.0000	0.0841	-0.0033	-0.0012	0.0001	0.0000	0.1777	-0.0035	-0.0012	0.0002	0.0000		
Rifle 12kV	0.0298	-0.0526	-0.0174	0.0016	0.0013	0.0211	-0.0562	-0.0142	0.0019	-0.0005	0.0404	-0.0561	-0.0116	0.0017	-0.0022	0.0464	-0.0748	-0.0141	0.0007	-0.0018	0.0982	-0.0886	-0.0134	0.0030	-0.0009	0.0000	
Rigg 16kV	0.0008	-0.0260	-0.0061	0.0029	0.0000	0.0006	-0.0294	-0.0041	0.0035	0.0000	0.0100	-0.0312	-0.0024	0.0026	0.0000	0.0102	-0.0449	-0.0039	-0.0021	0.0000	0.0025	-0.0561	-0.0039	0.0046	0.0000	0.0000	
Riggs 12kV	0.0558	-0.0526	-0.0435	0.0003	0.0000	0.0414	-0.0589	-0.0427	0.0005	0.0000	0.0756	-0.0640	-0.0420	0.0007	0.0000	0.0869	-0.0665	-0.0413	0.0021	0.0000	0.1837	-0.0701	-0.0399	0.0012	0.0000	0.0000	
Riley 12kV	0.0088	-0.0294	-0.0311	0.0001	0.0000	0.0065	-0.0339	-0.0305	0.0002	0.0005	0.0119	-0.0370	-0.0305	0.0002	0.0007	0.0137	-0.0478	-0.0314	0.0006	0.0000	0.0290	-0.0586	-0.0290	0.0004	0.0000	0.0000	
Rim 12kV	0.0040	-0.0175	-0.0156	0.0053	0.0000	0.0030	-0.0179	-0.0131	0.0019	0.0005	0.0054	-0.0180	-0.0110	0.0008	0.0000	0.0062	-0.0209	-0.0131	0.0004	0.0000	0.0131	-0.0231	-0.0124	0.0080	0.0000	0.0000	
Rimpa 14.16kV	0.0060	-0.0020	-0.0005	0.0000	0.0000	0.0000	-0.0020	-0.0005	0.0000	0.0000	0.0016	-0.0020	-0.0005	0.0000	0.0000	0.0000	-0.0024	-0.0009	0.0000	0.0000	0.0000	-0.0027	-0.0005	0.0000	0.0000	0.0000	
Rimpa 16kV	0.0049	-0.0155	-0.0043	0.0012	0.0000	0.0036	-0.0169	-0.0027	0.0014	0.0000	0.0067	-0.0179	-0.0013	0.0002	0.0000	0.0000	0.0102	-0.0027	0.0005	0.0000	0.0162	-0.0373	-0.0025	0.0023	-0.0013	0.0000	
Robbie 16kV	0.0000	-0.0616	-0.0392	0.0054	-0.0043	0.0000	-0.0636	-0.0356	0.0061	-0.0007	0.0000	-0.0646	-0.0330	0.0043	0.0001	0.0000	-0.0842	-0.0362	-0.0005	0.0000	0.0151	-0.0337	-0.0094	0.0000	0.0000	0.0000	
Robertson 4.16kV	0.0000	-0.0044	-0.0038	0.0012	0.0005	0.0000	-0.0051	-0.0031	0.0014	0.0000	0.0054	-0.0056	-0.0026	0.0012	0.0000	0.0000	-0.0073	-0.0031	0.0005	0.0000	0.0089	-0.0029	0.0023	0.0000	0.00		

Facility	2018					2019					2020					2021					2022				
	ee Demand (MW)	PV (MW) ^{1a}	EE (MW) ^{1b}	EV (MW) ^{1c}	LMDR (MW) ^{1d}	ee Demand (MW)	PV (MW) ^{1a}	EE (MW) ^{1b}	EV (MW) ^{1c}	LMDR (MW) ^{1d}	ee Demand (MW)	PV (MW) ^{2a}	EE (MW) ^{2b}	EV (MW) ^{2c}	LMDR (MW) ^{2d}	ee Demand (MW)	PV (MW) ^{2a}	EE (MW) ^{2b}	EV (MW) ^{2c}	LMDR (MW) ^{2d}	ee Demand (MW)	PV (MW) ^{2a}	EE (MW) ^{2b}	EV (MW) ^{2c}	LMDR (MW) ^{2d}
Rosemary 4.16kV	0.0007	-0.0179	-0.0068	0.0056	0.0000	0.0005	-0.0189	-0.0040	0.0064	0.0000	0.0009	-0.0192	-0.0016	0.0044	0.0011	-0.0284	-0.0037	-0.0103	0.0000	0.0023	-0.0389	-0.0037	0.0074	0.0000	
Rosemont 16kV	0.0584	-0.1388	-0.0314	0.0132	0.0000	0.0434	-0.1455	-0.0259	0.0148	0.0000	0.0792	-0.1430	-0.0214	0.0098	0.0910	-0.1895	-0.0259	-0.0197	0.0000	0.1924	-0.2258	-0.0245	0.0184	0.0000	
Roseton 12kV	0.0168	-0.0475	-0.0293	0.0025	-0.0037	0.0125	-0.0497	-0.0264	0.0031	-0.0022	0.0228	-0.0508	-0.0242	0.0027	0.0004	0.0262	-0.0674	-0.0267	0.0011	0.0009	0.0554	-0.0850	-0.0250	0.0049	-0.0018
Rosewood 4.16kV	0.0063	-0.0079	-0.0034	0.0002	0.0005	0.0047	-0.0078	-0.0027	0.0002	-0.0002	0.0086	-0.0075	-0.0020	0.0002	0.0000	-0.1000	-0.0026	0.0001	0.0000	0.0000	-0.0125	-0.0025	0.0003	0.0000	
Rossi 12kV	0.0182	-0.0450	-0.0185	0.0023	0.0011	0.0135	-0.0447	-0.0149	0.0028	-0.0013	0.0246	-0.0410	-0.0118	0.0024	-0.0015	0.0283	-0.0494	-0.0148	0.0010	0.0013	0.0598	-0.0526	-0.0140	0.0045	-0.0031
Rossmoor 12kV	0.1847	-0.1321	-0.0424	0.0103	0.0087	0.0208	-0.1337	-0.0394	0.0116	-0.0015	0.0381	-0.1285	-0.0373	0.0075	-0.0005	0.0438	-0.1636	-0.0402	-0.0097	-0.0013	0.0925	-0.1913	-0.0373	0.0157	-0.0009
Roswell 12kV	0.0765	-0.0743	-0.0443	0.0019	0.0100	0.0189	-0.0733	-0.0415	0.0021	-0.0032	0.0346	-0.0711	-0.0396	0.0015	0.0398	-0.0860	-0.0423	-0.0002	0.0000	0.0840	-0.0995	-0.0393	0.0033	-0.0013	
Rotec 12kV	0.0343	-0.1094	-0.0304	0.0050	0.0009	0.0254	-0.1028	-0.0241	0.0057	-0.0008	0.0464	-0.0905	-0.0189	0.0037	-0.0074	0.0534	-0.1067	-0.0239	-0.0047	-0.0004	0.1128	-0.1124	-0.0227	0.0077	-0.0009
Rough 12kV	0.0051	-0.0106	-0.0139	0.0010	0.0008	0.0038	-0.0119	-0.0140	0.0011	-0.0000	0.0069	-0.0129	-0.0143	0.0008	-0.0001	0.0080	-0.0134	-0.0142	-0.0001	0.0000	0.0169	-0.0141	-0.0133	0.0017	0.0000
Roulette 12kV	0.0471	-0.0419	-0.0421	0.0011	0.0129	0.0350	-0.0453	-0.0415	0.0014	-0.0022	0.0638	-0.0477	-0.0414	0.0019	0.0012	0.0734	-0.0527	-0.0416	-0.0045	-0.0004	0.1551	-0.0580	-0.0392	0.0033	-0.0004
Round Valley 12kV	0.0461	-0.0525	-0.0135	0.0001	-0.0063	0.0342	-0.0446	-0.0113	0.0002	-0.0015	0.0625	-0.0369	-0.0094	0.0001	-0.0008	0.0718	-0.0393	-0.0112	0.0000	0.0027	0.1518	-0.0391	-0.0108	0.0002	-0.0013
Roundel 12kV	1.8743	-0.0572	-0.0138	0.0054	0.0000	1.0045	-0.0514	-0.0097	0.0060	0.0000	0.4900	-0.0451	-0.0062	0.0040	0.0000	0.5590	-0.0553	-0.0093	-0.0080	0.0000	0.6458	-0.0626	-0.0091	0.0075	0.0000
Rover 12kV	0.0180	-0.0075	-0.0033	0.0040	0.0000	0.0134	-0.0068	-0.0020	0.0045	-0.0000	0.0244	-0.0059	-0.0009	0.0029	0.0000	0.0280	-0.0074	-0.0019	-0.0059	0.0000	0.0592	-0.0085	-0.0019	0.0055	0.0000
Roxboro 12kV	0.0042	-0.0035	-0.0059	0.0000	0.0031	0.0039	-0.0055	0.0000	0.0066	0.0000	0.0056	-0.0042	-0.0036	0.0044	0.0000	0.0065	-0.0044	-0.0053	-0.0088	0.0000	0.0137	-0.0046	-0.0052	0.0082	0.0000
Roxboro 14.16kV	0.0025	-0.0149	0.0052	0.0045	0.0000	0.0059	-0.0154	-0.0033	0.0051	0.0000	0.0034	-0.0154	-0.0017	0.0034	0.0000	0.0039	-0.0225	-0.0013	0.0229	-0.0018	0.0040	-0.0714	-0.0128	0.0372	0.0000
Roxbury 12kV	0.0194	-0.0440	-0.0176	0.0243	0.0020	0.0144	-0.0474	0.0136	0.0274	0.0064	0.0263	-0.0473	-0.0102	0.0178	-0.0010	0.0303	-0.0617	-0.0133	0.0229	-0.0018	0.0128	-0.0714	-0.0128	0.0372	0.0000
Roxbury 4.16kV	0.0100	-0.0051	-0.0045	0.0006	0.0001	0.0074	-0.0054	-0.0025	0.0008	0.0001	0.0135	-0.0053	-0.0009	0.0007	0.0000	0.0155	-0.0077	0.0023	-0.0003	0.0000	0.0128	-0.0097	0.0024	0.0012	0.0000
Royal Oaks 12kV	0.3000	-0.0362	-0.0374	0.0034	0.0121	0.0222	-0.0378	-0.0365	0.0039	-0.0038	0.0406	-0.0366	-0.0363	0.0025	-0.0003	0.0467	-0.0433	-0.0375	-0.0032	-0.0004	0.0886	-0.0478	-0.0346	0.0052	0.0000
Royce 4.16kV	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Rycroft 4.16kV	0.0048	-0.0248	-0.0067	0.0063	0.0000	0.0035	-0.0266	-0.0039	0.0072	0.0000	0.0065	-0.0263	-0.0014	0.0049	0.0000	0.0074	-0.0356	-0.0039	-0.0115	0.0000	0.0000	-0.0437	-0.0036	0.0000	0.0000
Royer 12kV	0.0065	-0.0578	-0.0723	0.0014	-0.0016	0.0040	-0.0718	-0.0017	0.0017	-0.0031	0.0089	-0.0664	-0.0722	0.0023	0.0020	0.0703	-0.0721	-0.0055	0.0000	0.0215	-0.0749	-0.0040	-0.0004	-0.0004	
Rubin 12kV	0.0236	-0.0312	-0.0156	0.0098	0.0005	0.0175	-0.0318	-0.0111	0.0118	0.0004	0.0319	-0.0313	-0.0074	0.0103	-0.0018	0.0367	-0.0425	-0.0108	0.0042	0.0000	0.0276	-0.0542	-0.0105	0.0189	-0.0027
Ruble 12kV	0.0488	-0.0296	-0.0483	0.0011	-0.0040	0.0362	-0.0331	-0.0493	0.0014	-0.0002	0.0661	-0.0360	-0.0510	0.0012	0.0002	0.0760	-0.0374	-0.0508	0.0005	0.0000	0.1607	-0.0394	-0.0468	0.0022	0.0000
Ruby 12kV	0.0034	-0.0337	-0.0167	0.0052	0.0000	0.0025	-0.0342	-0.0156	0.0059	0.0000	0.0045	-0.0339	-0.0149	0.0039	0.0000	0.0052	-0.0399	-0.0158	-0.0078	0.0000	0.0110	-0.0457	-0.0149	0.0073	0.0000
Rugby 4.16kV	0.0026	-0.0050	-0.0073	0.0001	0.0050	0.0020	-0.0057	-0.0075	0.0001	-0.0012	0.0036	-0.0062	-0.0077	0.0001	0.0002	0.0041	-0.0072	-0.0077	0.0000	0.0087	-0.0084	-0.0071	0.0001	0.0000	
Ruggles 4.16kV	0.0092	-0.0075	-0.0027	0.0025	0.0000	0.0069	-0.0069	-0.0015	0.0028	0.0000	0.0125	-0.0062	-0.0005	0.0018	0.0000	0.0144	-0.0081	-0.0014	-0.0023	0.0000	0.0098	-0.0014	0.0038	-0.0009	
Rui 12kV	2.6996	-0.0430	-0.0170	0.0027	0.0000	0.0801	-0.0400	-0.0132	0.0030	0.0000	0.0731	-0.0363	-0.0100	0.0020	0.0000	0.0158	-0.0443	-0.0130	-0.0040	0.0000	0.0334	-0.0506	-0.0124	0.0338	0.0000
Ruler 12kV	0.0141	-0.0871	-0.0148	0.0075	0.0000	0.0105	-0.0843	-0.0087	0.0064	0.0000	0.0191	-0.0794	-0.0034	0.0055	0.0000	0.0220	-0.1092	-0.0080	-0.0111	0.0000	0.0465	-0.1378	-0.0081	0.0104	0.0000
Rummy 12kV	0.1788	-0.0317	-0.0374	0.0010	0.0055	0.0148	-0.0355	-0.0374	0.0012	-0.0002	0.0270	-0.0385	-0.0376	0.0016	0.0005	0.0109	-0.0400	-0.0371	0.0039	0.0000	0.0230	-0.0422	-0.0352	0.0029	0.0000
Runway 16kV	0.0081	-0.0291	-0.0299	0.0015	0.0023	0.0060	-0.0311	-0.0299	0.0019	0.0004	0.0109	-0.0317	-0.0037	0.0023	-0.0008	0.0125	-0.0360	-0.0308	0.0005	0.0265	-0.0389	-0.0284	0.0031	0.0000	
Rural 16kV	0.0045	-0.0141	-0.0064	0.0023	0.0000	0.0010	-0.0067	-0.0010	0.0001	0.0000	0.0067	-0.0159	-0.0039	0.0001	0.0000	0.0071	-0.0224	-0.0034	-0.0017	0.0000	0.0150	-0.0312	-0.0035	0.0037	0.0000
Rutherford 12kV	0.0043	-0.0286	-0.0340	0.0000	0.0027	0.0020	-0.0340	-0.0440	0.0008	0.0000	0.0058	-0.0348	-0.0042	0.0003	0.0000	0.0057	-0.0337	0.0034	-0.0023	0.0000	0.0211	-0.0351	-0.0202	0.0000	0.0000
Rutledge 12kV	0.0045	-0.0610	-0.0331	0.0033	0.0050	0.0034	-0.0602	-0.0280	0.0039	-0.0011	0.0061	-0.0775	-0.0239	0.0034	-0.0001	0.0071	-0.1015	-0.0281	0.0014	0.0000	0.0459	-0.1248	-0.0265	0.0063	-0.0013
Rutledge 12kV	0.0513	-0.0993	-0.0590	0.0030	0.0055	0.0023	-0.1093	-0.0559	0.0034	-0.0001	0.0143	-0.1085	-0.0525	0.0024	0.0000	0.0099	-0.1399	-0.0551	-0.0009	0.0000	0.1355	-0.1398	-0.0520	0.0329	-0.0003
Ryan 16kV	0.0251	-0.1618	-0.0414	0.0062	0.0020	0.0100	-0.1567	-0.0213	0.0110	-0.0011	0.0585	-0.1600	-0.0519	0.0001	0.0000	0.0673	-0.1826	-0.0515	-0.0004	0.0000	0.1423	-0.1006	-		

Facility	2018						2019						2020						2021						2022					
	EE Demand (MW)	PV (MW) ^{1a}	EE (MW) ^{1b}	EV (MW) ^{1b}	LMDR (MW) ^{1b}	EE Demand (MW)	PV (MW) ^{1b}	EE (MW) ^{1b}	EV (MW) ^{1b}	LMDR (MW) ^{1b}	EE Demand (MW)	PV (MW) ^{2b}	EE (MW) ^{2b}	EV (MW) ^{2b}	LMDR (MW) ^{2b}	EE Demand (MW)	PV (MW) ^{2b}	EE (MW) ^{2b}	EV (MW) ^{2b}	LMDR (MW) ^{2b}	EE Demand (MW)	PV (MW) ^{2b}	EE (MW) ^{2b}	EV (MW) ^{2b}	LMDR (MW) ^{2b}					
Sandman 16kV	0.0000	-0.0237	-0.0438	0.0082	0.0035	0.0000	-0.0265	-0.0431	0.0093	-0.0004	0.0000	-0.0288	-0.0432	0.0066	-0.0080	0.0000	-0.0299	-0.0444	-0.0007	0.0000	-0.0315	-0.0410	0.0143	-0.0009						
Sandra 16kV	0.1765	-0.1103	-0.0835	0.0038	-0.0021	0.1697	-0.1214	-0.0791	0.0046	0.2159	-0.1253	-0.0764	0.0040	-0.0031	0.0413	-0.1569	-0.0808	0.0016	-0.0009	0.0873	-0.1800	-0.0750	0.0073	-0.0018						
Sandy 12kV	0.3000	-0.0506	-0.0367	0.0027	0.0048	0.0223	-0.0531	-0.0335	0.0030	-0.0002	0.0406	-0.0544	-0.0311	0.0021	-0.0010	0.0467	-0.0710	-0.0340	-0.0002	-0.0004	0.0987	-0.0896	-0.0317	0.0047	0.0000					
Sanitarium 4.16kV	0.0265	-0.0425	-0.0056	0.0028	0.0001	0.0197	-0.0465	-0.0032	0.0031	-0.0008	0.0359	-0.0476	-0.0011	0.0020	0.0000	0.0413	-0.0690	-0.0029	-0.0026	-0.0013	0.0624	-0.0873	0.0030	0.0042	-0.0009					
Sanka 4.16kV	0.0000	-0.0099	-0.0042	0.0010	0.0005	0.0000	-0.0103	-0.0029	0.0012	-0.0003	0.0000	-0.0107	-0.0019	0.0008	-0.0001	0.0000	-0.0156	-0.0028	-0.0010	0.0000	-0.0000	0.0214	-0.0027	0.0016	-0.0009					
Santana 33kV	0.0760	-0.0005	-0.0004	0.0002	0.0000	0.0564	-0.0006	-0.0004	0.0000	0.1030	-0.0006	-0.0004	0.0005	0.0000	0.1184	-0.0006	-0.0004	0.0011	0.0000	0.2503	-0.0006	0.0003	0.0008	0.0000						
Santorini 12kV	0.0366	-0.0757	-0.0150	0.0081	-0.0003	0.0366	-0.0723	-0.0094	0.0091	-0.0022	0.0366	-0.0664	-0.0044	0.0065	-0.0208	0.0366	-0.0862	-0.0087	-0.0007	-0.0023	0.0366	-0.1024	-0.0088	0.0141	-0.0031					
Sapphire 12kV	0.0242	-0.0544	-0.0340	0.0071	0.0047	0.0179	-0.0555	-0.0305	0.0080	-0.0013	0.0327	-0.0530	-0.0278	0.0052	-0.0004	0.0377	-0.0616	-0.0309	-0.0067	0.0000	0.0796	-0.0654	-0.0288	0.0109	-0.0018					
Sapporo 12kV	0.0594	-0.0792	-0.0179	0.0055	-0.0004	0.0441	-0.0769	-0.0124	0.0062	-0.0009	0.0805	-0.0725	-0.0077	0.0041	-0.0013	0.0925	-0.0981	-0.0119	-0.0052	-0.0027	0.1955	-0.1222	-0.0116	0.0085	-0.0022					
Sarah 4.16kV	0.0025	-0.0145	-0.0041	0.0015	0.0004	0.0171	-0.0026	0.0018	0.0005	0.0304	-0.0187	-0.0014	0.0015	-0.0004	0.0283	-0.0205	0.0006	-0.0004	0.0083	-0.0375	-0.0025	0.0028	-0.0004							
Saratoga 16kV	0.0145	-0.0460	-0.0517	0.0010	0.0000	0.0107	-0.0514	-0.0517	0.0013	0.0000	0.0196	-0.0558	-0.0522	0.0019	0.0000	0.0225	-0.0583	-0.0515	0.0019	0.0000	0.0477	-0.0616	-0.0488	0.0025	0.0000					
Sargent 12kV	0.0571	-0.0209	-0.0092	0.0011	0.0000	0.0424	-0.0232	-0.0090	0.0014	0.0000	0.0774	-0.0251	-0.0088	0.0010	0.0000	0.0890	-0.0263	-0.0090	0.0000	0.0000	0.1881	-0.0278	-0.0090	0.0018	0.0000					
Sassoon 12kV	0.0089	-0.0756	-0.0350	0.0123	0.0000	0.0666	-0.0836	-0.0251	0.0140	0.0000	0.1202	-0.0866	-0.0167	0.0097	0.0000	0.138	-0.1169	-0.0244	-0.0026	0.0000	0.0292	-0.1405	-0.0236	0.0162	0.0060					
Satellite 12kV	0.0268	-0.1817	-0.0544	0.0043	0.0031	0.0199	-0.2020	-0.0445	0.0048	-0.0007	0.0363	-0.2105	-0.0364	0.0034	-0.0017	0.0418	-0.3004	-0.0444	-0.0004	0.0044	0.0883	-0.3794	-0.0420	0.0074	-0.0058					
Saturn 16kV	0.0000	-0.0203	-0.0041	0.0001	0.0000	0.0163	-0.0203	-0.0041	0.0001	0.0000	0.0757	-0.0203	-0.0041	0.0001	0.0000	0.0861	-0.0225	-0.0041	0.0000	0.0000	0.1711	-0.0241	-0.0061	0.0000	0.0000					
Saturn 12kV	0.0086	-0.0942	-0.0307	0.0028	0.0000	0.0031	-0.0937	0.0064	-0.0023	0.0016	0.0117	-0.0225	-0.0066	0.0023	0.0035	0.0237	-0.0299	-0.0003	0.0035	0.0284	-0.0346	-0.0059	0.0000	-0.0009						
Saucito 12kV	0.0780	-0.0861	-0.0441	0.0013	0.0000	0.0080	-0.0887	-0.0087	0.0014	0.0000	0.1446	-0.0902	-0.0003	0.0000	0.0000	0.2023	-0.0100	-0.0040	0.0019	0.0000	0.0355	-0.1601	-0.0108	0.0039	0.0000					
Saunders 12kV	0.0183	-0.0158	-0.0171	0.0023	0.0019	0.0136	-0.0121	-0.0046	0.0013	0.0000	0.0249	-0.0122	-0.0010	0.0018	0.0000	0.0286	-0.0123	-0.0131	-0.0002	0.0058	0.0604	-0.0139	-0.025	0.0040	-0.0031					
Sauterne 12kV	0.0434	-0.0668	-0.0148	0.0016	0.0008	0.0322	-0.0433	-0.0114	0.0017	0.0003	0.0588	-0.0478	-0.0066	0.0011	0.0001	0.0677	-0.0703	-0.0112	-0.0015	0.0000	0.1430	-0.0526	-0.0108	0.0024	-0.0004					
Sauza 12kV	0.0217	-0.0302	-0.0526	0.0008	0.0007	0.0217	-0.0388	-0.0540	0.0010	-0.0012	0.0272	-0.0267	-0.0560	0.0008	0.0007	0.0314	-0.0381	-0.0559	0.0003	0.0000	0.0664	-0.0402	-0.0513	0.0015	0.0000					
Sav 12kV	0.0096	-0.1250	-0.0209	0.0107	0.0000	0.0071	-0.1218	-0.0212	0.0132	0.0000	0.0130	-0.1126	-0.0047	0.0098	0.0000	0.0149	-0.1470	-0.0113	-0.0080	0.0000	0.0315	-0.1728	-0.0114	0.0174	0.0000					
Savory 12kV	0.0315	-0.0746	-0.0651	0.0041	0.0030	0.0234	-0.0595	-0.0366	0.0046	0.0000	0.0427	-0.0458	-0.0120	0.0031	0.0000	0.0491	-0.0477	-0.0334	-0.0061	0.0103	0.0346	-0.0546	-0.0240	0.0057	0.0000					
Sawmill 33kV	0.0352	-0.0031	-0.0012	0.0005	0.0000	0.0262	-0.0034	-0.0012	0.0000	0.0427	-0.0036	-0.0002	0.0009	0.0000	0.0549	-0.0039	-0.0012	0.0029	0.0000	0.1160	-0.0042	-0.0012	0.0017	0.0000						
Sawpit 33kV	0.0220	0.0000	0.0000	0.0010	0.0000	0.0163	0.0000	0.0000	0.0000	0.0298	0.0000	0.0008	0.0000	0.0000	0.0343	0.0000	0.0000	-0.0015	0.0000	0.0725	0.0000	0.0000	0.0014	0.0000						
Sawyer 12kV	0.0198	-0.0773	-0.0642	0.0017	0.0007	0.0147	-0.0875	-0.0602	0.0020	0.0009	0.0268	-0.0955	-0.0573	0.0018	-0.0037	0.0308	-0.1267	-0.0608	-0.0007	-0.0013	0.0651	-0.1601	-0.0569	0.0032	0.0000					
Saxon 4.16kV	0.0045	-0.0112	-0.0666	0.0011	0.0004	0.0034	-0.0121	-0.0046	0.0013	0.0005	0.0262	-0.0127	-0.0030	0.0012	0.0000	0.0711	-0.0185	-0.0045	0.0005	0.0000	0.0150	-0.0252	-0.0043	0.0021	0.0000					
Saxophone 12kV	0.0221	-0.0440	-0.0490	0.0027	0.0040	0.0164	-0.0479	-0.0487	0.0034	0.0010	0.0299	-0.0504	-0.0492	0.0040	-0.0020	0.0344	-0.0594	-0.0500	0.0008	-0.0009	0.0726	-0.0682	-0.0062	0.0054	-0.0004					
Saybrook 16kV	0.0438	-0.0243	-0.0347	0.0001	0.0070	0.0325	-0.0271	-0.0351	0.0001	-0.0017	0.0594	-0.0295	-0.0358	0.0001	0.0000	0.0683	-0.0307	-0.0356	0.0002	0.0000	0.1443	-0.0323	-0.0130	0.0000	-0.0000					
Schall 12kV	0.0138	-0.0357	-0.0164	0.0034	0.0015	0.0103	-0.0298	-0.0124	0.0038	-0.0005	0.0187	-0.0242	-0.0099	0.0005	0.0017	0.0211	-0.0355	-0.0059	0.0001	0.0000	0.0455	-0.0232	-0.0035	0.0013	-0.0009					
Scholl 12kV	0.0227	-0.0653	-0.0401	0.0008	0.0000	0.0248	-0.0208	-0.0050	0.0004	0.0036	-0.0240	-0.0048	0.0003	0.0000	0.0256	-0.0337	0.0008	0.0029	0.0095	0.0829	-0.0370	-0.0097	0.0015	-0.0004						
Schooner 16kV	0.0026	-0.0172	-0.0066	0.0003	0.0000	0.0247	-0.0845	-0.0289	0.0013	0.0000	0.0248	-0.0874	-0.0309	0.0016	0.0000	0.0255	-0.0355	0.0003	0.0000	0.0260	-0.1581	-0.0271	0.0060	-0.0000						
Schuyler 16kV	0.0100	-0.0651	-0.0151	0.0003	0.0000	0.0274	-0.0774	-0.0292	0.0008	0.0000	0.0255	-0.0805	-0.0305	0.0007	0.0000	0.0345	-0.0355	0.0003	0.0000	0.0349	-0.1581	-0.0271	0.0060	-0.0000						
Scooby 12kV	0.0166	-0.0210	-0.0157	0.0025	0.0024	0.0123	-0.0213	-0.0152	0.0039	-0.0003	0.0225	-0.0205	-0.0151	0.0020	0.0004	0.0259	-0.0228	-0.0157	0.0002	0.0004	0.0547	-0.2339	-0.0145	0.0044	-0.0009					
Scooba 12kV	0.0246	-0.1762	-0.0216	0.0091	-0.0003	0.0458	-0.1799	-0.0140	0.0103	-0.0019	0.0836	-0.1692	-0.0075	0.0067	-0.0023	0.0289	-0.2269	-0.0133	-0.0086	0.0099	0.1777	-0.2664	-0.0131	0.0139	-0.0032					
Sebastian 4.16kV	0.0076	-0.1344	-0.0232	0.0005	0.0000	0.0556	-0.0126	0.0013	0.0006	0.0003	0.0103	-0.0114	0.0005	0.0004	0.0000	0.0118	-0.0152	0.0012	0.0005	0.0049	0.0186	-0.0102	0.0032	0.0006						

Facility	2018								2019								2020								2021								2022							
	ee Demand (MW)	PV (MW) ^{1a}	EE (MW) ^{1b}	EV (MW) ^{1b}	LMDR (MW) ^{1b}	ee Demand (MW)	PV (MW) ^{1b}	EE (MW) ^{1b}	EV (MW) ^{1b}	LMDR (MW) ^{1b}	ee Demand (MW)	PV (MW) ^{2b}	EE (MW) ^{2b}	EV (MW) ^{2b}	LMDR (MW) ^{2b}	ee Demand (MW)	PV (MW) ^{2b}	EE (MW) ^{2b}	EV (MW) ^{2b}	LMDR (MW) ^{2b}	ee Demand (MW)	PV (MW) ^{2b}	EE (MW) ^{2b}	EV (MW) ^{2b}	LMDR (MW) ^{2b}	ee Demand (MW)	PV (MW) ^{2b}	EE (MW) ^{2b}	EV (MW) ^{2b}	LMDR (MW) ^{2b}										
Serra 16kV	0.200	-0.0411	-0.0528	0.0043	-0.0135	0.0148	-0.0454	-0.0638	0.0049	0.0022	0.0270	-0.0487	-0.0657	0.0034	-0.0017	2.7311	-0.0519	-0.0660	-0.0004	0.0657	-0.0556	-0.0006	0.0075	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			
Serranos 12kV	0.255	-0.0829	-0.0454	0.0012	0.0115	0.0189	-0.0813	-0.0415	0.0014	-0.0032	0.0346	-0.0783	-0.0386	0.0012	-0.0029	0.0398	-0.0955	-0.0418	0.0005	-0.0027	0.0840	-0.1111	-0.0392	0.0023	-0.0022	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		
Servo 4.16kV	0.060	-0.0412	-0.0106	0.0018	0.0040	0.0044	-0.0386	-0.0090	0.0021	-0.0007	0.0081	-0.0329	-0.0078	0.0019	0.0007	0.0093	-0.0380	-0.0090	0.0008	-0.0004	0.0197	-0.0382	-0.0085	0.0034	-0.0004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		
Sespe 4.16kV	0.0000	-0.0011	-0.0002	0.0001	0.0000	0.0000	-0.0010	-0.0002	0.0001	-0.0001	0.0000	-0.0009	-0.0001	0.0001	0.0001	0.0000	-0.0011	-0.0001	0.0000	-0.0001	0.0000	-0.0011	-0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000				
Settler 12kV	0.084	-0.1141	-0.0343	0.0010	-0.0004	0.0063	-0.1067	-0.0309	0.0012	-0.0006	0.0114	-0.0952	-0.0283	0.0010	-0.0007	0.0131	-0.1127	-0.0311	0.0004	-0.0009	0.0278	-0.1229	-0.0292	0.0019	-0.0004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		
Sevaine 12kV	0.2483	-0.0819	-0.0276	0.0055	0.0019	0.0215	-0.0738	-0.0213	0.0062	-0.0028	0.0375	-0.0650	-0.0159	0.0040	-0.0023	0.0431	-0.0782	-0.0209	0.0000	-0.0052	0.0013	0.0911	-0.0888	-0.0201	0.0084	-0.0013	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Seventh St. 4.16kV	0.047	-0.0023	-0.0033	0.0013	0.0000	0.0035	-0.0026	-0.0019	0.0016	0.0000	0.0064	-0.0030	-0.0008	0.0012	0.0000	0.0073	-0.0044	-0.0018	0.0010	0.0000	0.0155	-0.0059	-0.0018	0.0021	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			
Seville 12kV	0.324	-0.0031	-0.0013	0.0003	0.0000	0.0240	-0.0033	-0.0012	0.0004	0.0000	0.0439	-0.0035	-0.0011	0.0005	0.0000	0.0505	-0.0038	-0.0012	0.0009	0.0000	0.1066	-0.0041	-0.0012	0.0008	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000				
Sewell 12kV	0.073	-0.1167	-0.0414	0.0248	0.0000	0.0054	-0.1169	-0.0309	0.0278	0.0000	0.0098	-0.1143	-0.0222	0.0183	0.0000	0.0113	-0.1540	-0.0303	-0.0368	0.0000	0.0239	-0.1953	-0.0291	0.0344	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			
Sexton 16kV	0.136	-0.0984	-0.0372	0.0234	0.0000	0.0101	-0.0961	-0.0292	0.0263	0.0000	0.0184	-0.0919	-0.0225	0.0173	0.0000	0.0211	-0.1177	-0.0288	0.0000	0.0446	-0.1420	-0.0275	0.0326	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			
Shade 12kV	0.182	-0.0445	-0.0471	0.0003	0.0114	0.0182	-0.0491	-0.0460	0.0004	-0.0048	0.0182	-0.0527	-0.0453	0.0005	0.0002	0.0182	-0.0588	-0.0457	0.0013	0.0182	-0.0665	-0.0433	0.0009	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000				
Shadow 12kV	0.0000	-0.0656	-0.0278	0.0067	0.0000	0.0667	-0.0220	0.0076	0.0002	0.0000	0.0660	-0.0172	0.0054	-0.0012	0.0000	0.0893	-0.0218	-0.0006	0.0000	0.0000	-0.1135	-0.0208	0.0117	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000				
Shaffer 12kV	0.255	-0.0496	-0.0198	0.0020	0.0047	0.0189	-0.0476	-0.0152	0.0023	0.0000	0.0346	-0.0447	-0.0112	0.016	0.0003	0.0988	-0.0563	-0.0147	0.0002	0.0840	-0.0666	-0.0142	0.0035	-0.0018	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			
Shake 33kV	0.0220	0.0000	0.0000	0.0007	0.0000	0.0163	0.0000	0.0000	0.0008	0.0000	0.0005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000				
Shamrock 4.16kV	0.0000	-0.0654	-0.0241	0.0000	0.0000	0.0000	-0.0654	-0.0241	0.0000	-0.0000	0.0000	-0.0654	-0.0241	0.0000	0.0000	0.0000	-0.0654	-0.0241	0.0000	-0.0000	0.0000	-0.0654	-0.0241	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000				
Shanahan 16kV	0.0073	-0.0623	-0.0171	0.0042	0.0000	0.0057	-0.0574	-0.0096	0.0047	0.0000	0.0105	-0.0520	-0.0032	0.0011	0.0000	0.0120	-0.0653	-0.0088	0.0000	0.0054	-0.0724	-0.0090	0.0058	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000				
Shasta 12kV	0.051	-0.0612	-0.0321	0.0035	0.0075	0.0038	-0.0579	-0.0292	0.0042	0.0000	0.0069	-0.0526	-0.0270	0.0037	0.0000	0.0080	-0.0595	-0.0295	0.0015	0.0041	-0.0642	-0.0276	0.0058	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000				
Sharp 4.16kV	0.038	-0.0296	-0.0076	0.0042	0.0000	0.0028	-0.0332	-0.0043	0.0048	0.0000	0.0051	-0.0328	-0.0044	0.0033	0.0000	0.0059	-0.0482	-0.0303	0.0000	-0.0777	-0.0099	0.0018	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000					
Shea 12kV	0.0182	-0.0881	-0.0133	0.0000	0.0000	0.0000	-0.0881	-0.0133	0.0000	-0.0000	0.0000	-0.0881	-0.0133	0.0000	0.0000	0.0000	-0.0881	-0.0133	0.0000	-0.0000	0.0000	-0.0881	-0.0133	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000				
Sheerly 12kV	0.043	-0.0227	-0.0083	0.0012	0.0000	0.0006	-0.0198	-0.0065	0.0014	0.0000	0.0059	-0.0165	-0.0035	0.0012	0.0000	0.0067	-0.0185	-0.0064	0.0000	-0.0111	0.0061	-0.0194	-0.0064	0.0018	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			
Shepard 12kV	0.0000	-0.0676	-0.0241	0.0000	0.0000	0.0000	-0.0676	-0.0241	0.0000	-0.0000	0.0000	-0.0676	-0.0241	0.0000	0.0000	0.0000	-0.0676	-0.0241	0.0000	-0.0000	0.0000	-0.0676	-0.0241	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000				
Shipton 12kV	0.0111	-0.0621	-0.0303	0.0013	0.0000	0.0052	-0.0546	-0.0344	0.0016	0.0000	0.0107	-0.0526	-0.0355	0.0014	0.0000	0.0173	-0.0552	-0.0355	0.0006	0.0000	0.0655	-0.0397	-0.0327	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000				
Shipway 4.16kV	0.0027	-0.0653	-0.0545	0.0032	-0.0004	0.0020	-0.0551	-0.0301	0.0036	-0.0037	0.0029	-0.0538	-0.0301	0.0026	0.0000	0.0042	-0.0479	-0.0208	0.0003	-0.0232	0.0089	-0.0233	-0.0209	0.0056	-0.0009	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		
Shoal 12kV	0.0434	-0.1013	-0.0365	0.0080	0.0056	0.0322	-0.1457	-0.0406	0.0010	-0.0004	0.0249	-0.1541	-0.0429	0.0008	0.0000																									

Facility	2018						2019						2020						2021						2022					
	ee Demand (MW)	PV (MW) ¹⁸	EE (MW) ¹⁸	EV (MW) ¹⁸	LMDR (MW) ¹⁸	ee Demand (MW)	PV (MW) ¹⁹	EE (MW) ¹⁹	EV (MW) ¹⁹	LMDR (MW) ¹⁹	ee Demand (MW)	PV (MW) ²⁰	EE (MW) ²⁰	EV (MW) ²⁰	LMDR (MW) ²⁰	ee Demand (MW)	PV (MW) ²¹	EE (MW) ²¹	EV (MW) ²¹	LMDR (MW) ²¹	ee Demand (MW)	PV (MW) ²²	EE (MW) ²²	EV (MW) ²²	LMDR (MW) ²²					
Skiff 12kV	0.0085	-0.0552	-0.0606	0.0022	0.0000	0.0063	-0.0617	-0.0602	0.0029	0.0000	0.0116	-0.0670	-0.0500	0.0041	0.0000	0.0133	-0.0697	-0.0591	0.0008	0.0000	0.0281	-0.0735	-0.0565	0.0046	0.0000	0.0015				
Smirkle 12kV	0.0848	-0.0497	-0.0611	0.008	0.0000	0.0624	-0.0188	-0.0074	0.008	0.0000	0.0849	-0.0181	-0.0051	0.0012	0.0000	0.0905	-0.0196	-0.0068	0.0000	0.0000	0.2062	-0.0667	-0.0067	0.0000	0.0000	0.0015				
Sonner 33kV	0.0041	-0.0003	-0.0015	0.0051	0.0000	0.0040	-0.0049	-0.0001	0.0003	0.0000	0.0041	-0.0048	-0.0008	0.0013	0.0000	0.0043	-0.0053	-0.0001	0.0000	0.0000	0.0043	-0.0043	-0.0004	0.0000	0.0000	0.0013				
Skippin 12kV	0.0171	-0.0048	-0.0017	0.0011	0.0000	0.0127	-0.0054	-0.0018	0.0003	0.0000	0.0123	-0.0059	-0.0018	0.0024	0.0000	0.0127	-0.0061	-0.0008	0.0001	0.0000	0.0054	-0.0054	-0.0017	0.0020	0.0000	0.0013				
Sky Hi 12kV	0.0194	-0.1058	-0.0210	0.0006	-0.0057	0.0144	-0.1134	-0.0158	0.0007	-0.0001	0.0263	-0.1155	-0.0114	0.0010	-0.0024	0.0302	-0.1607	-0.0154	0.0024	-0.0023	0.0639	-0.1980	-0.0149	0.0128	-0.0013	0.0013				
Skylane 12kV	0.0108	-0.0084	-0.0025	0.0015	0.0000	0.0089	-0.0079	-0.0018	0.0012	0.0000	0.0145	-0.0071	-0.0011	0.0008	0.0000	0.0168	-0.0088	-0.0017	0.0000	0.0000	0.0355	-0.0100	-0.0010	0.0016	0.0000	0.0000				
Skylab 12kV	0.0045	-0.0440	-0.0677	0.0017	0.0000	0.0034	-0.0493	-0.0689	0.0020	0.0000	0.0062	-0.0535	-0.0709	0.0031	0.0000	0.0071	-0.0557	-0.0705	0.0014	0.0000	0.1510	-0.0587	-0.0533	0.0026	0.0000	0.0016				
Skyland 2.4kV	0.0000	-0.0043	-0.0031	0.0011	0.0000	0.0000	-0.0044	-0.0018	0.0012	0.0000	0.0000	-0.0039	-0.0008	0.0000	0.0000	0.0000	-0.0051	-0.0017	0.0000	0.0000	0.0000	-0.0056	-0.0017	0.0017	0.0000	0.0000	0.0017			
Skypark 12kV	0.0080	-0.0361	-0.0607	0.0010	0.0000	0.0059	-0.0404	-0.0623	0.0013	0.0000	0.0108	-0.0439	-0.0647	0.0018	0.0000	0.0056	-0.0456	-0.0645	0.0004	0.0000	0.1277	-0.0481	-0.0592	0.0021	0.0000	0.0016				
Skyrain 12kV	0.0576	-0.1037	-0.0150	0.0078	0.0000	0.0576	-0.0845	-0.0093	0.0088	-0.0005	0.0576	-0.0659	-0.0044	0.0057	-0.0011	0.0576	-0.0735	-0.0087	-0.0073	-0.0013	0.0576	-0.0747	-0.0087	0.0119	-0.0355	0.0020				
Slack 4.16kV	0.0043	-0.0135	-0.0047	0.0004	0.0000	0.0166	-0.0229	-0.0004	0.0000	-0.0001	0.0000	-0.0195	-0.0014	0.0004	-0.0004	0.0000	-0.0324	-0.0027	0.0002	0.0000	0.0000	-0.0469	-0.0027	0.0007	0.0000	0.0000	0.0016			
Slade 12kV	0.1306	-0.0008	-0.0004	0.0000	0.0030	0.0030	-0.0009	-0.0004	0.0000	0.0000	0.0322	-0.0010	-0.0004	0.0001	0.0000	0.0336	-0.0010	0.0004	0.0000	0.0000	0.0355	-0.0010	-0.0004	0.0000	0.0000	0.0000				
Slalom 12kV	0.0167	-0.0151	-0.0114	0.0014	0.0000	0.0124	-0.0169	-0.0080	0.0016	0.0000	0.0227	-0.0184	-0.0051	0.0011	0.0000	0.0261	-0.0265	-0.0077	-0.0014	0.0000	0.0551	-0.0350	-0.0075	0.0022	0.0000	0.0000				
Slate 12kV	0.0034	-0.0271	-0.0310	0.0018	0.0000	0.0205	-0.0303	-0.0311	0.0024	0.0000	0.0045	-0.0329	-0.0314	0.0034	0.0000	0.0052	-0.0342	-0.0310	0.0035	0.0000	0.1110	-0.0361	-0.0293	0.0045	0.0000	0.0000				
Slice 12kV	0.0051	-0.0847	-0.0347	0.0103	-0.0012	0.0038	-0.0765	-0.0296	0.0116	-0.0008	0.0069	-0.0653	-0.0254	0.0075	-0.0010	0.0080	-0.0697	-0.0295	-0.0097	-0.0022	0.0169	-0.0690	-0.0279	0.0157	-0.0004	0.0000				
Sling 12kV	0.0045	-0.1062	-0.0178	0.0143	0.0032	0.0033	-0.1082	-0.0124	0.0161	-0.0002	0.0061	-0.1028	-0.0077	0.0104	-0.0046	0.0070	-0.1381	-0.0119	-0.0134	-0.0022	0.0148	-0.1573	-0.0116	0.0218	-0.0027	0.0000				
Sloan 4.16kV	0.0060	-0.0121	-0.0046	0.0004	0.0045	0.0016	-0.0136	-0.0030	0.0005	0.0000	0.0082	-0.0146	-0.0016	0.0004	0.0000	0.0094	-0.0220	-0.0028	-0.0003	0.0000	0.1999	-0.0305	-0.0028	0.0007	0.0000	0.0000				
Slope 12kV	0.0330	-0.0111	-0.0083	0.0013	0.0000	0.0245	-0.0124	-0.0056	0.0014	0.0000	0.0447	-0.0135	-0.0032	0.0009	0.0000	0.0515	-0.0196	-0.0053	-0.0012	0.0000	0.1087	-0.0261	-0.0052	0.0020	0.0000	0.0000				
Slover 12kV	0.0042	-0.1008	-0.0676	0.0005	0.0044	0.0031	-0.1086	-0.0661	0.0006	-0.0010	0.0114	-0.0656	-0.0005	0.0017	0.0006	0.0184	-0.0674	-0.0002	0.0000	0.0000	0.1337	-0.1596	-0.0626	0.0009	-0.0013	0.0000				
Sluice 12kV	0.0536	-0.0842	-0.0284	0.0016	0.0011	0.0398	-0.0831	-0.0243	0.0018	-0.0004	0.0277	-0.0794	-0.0210	0.0012	0.0004	0.0836	-0.1027	-0.0244	-0.0015	-0.0004	0.1766	-0.1240	-0.0230	0.0024	-0.0009	0.0000				
Smelter 12kV	0.8419	-0.0924	-0.0466	0.0067	0.0045	0.0116	-0.0941	-0.0383	0.0081	-0.0019	0.0212	-0.0939	-0.0332	0.0071	0.0006	0.0244	-0.1237	-0.0383	-0.0029	0.0004	0.0515	-0.1548	-0.0362	0.0130	0.0000	0.0000				
Smirnoff 12kV	0.0435	-0.0428	-0.0597	0.0003	0.0000	0.0435	-0.0479	-0.0605	0.0003	0.0000	0.0435	-0.0521	-0.0459	0.0000	0.0000	0.0435	-0.0615	-0.0001	0.0000	0.0000	0.0711	-0.0571	-0.0073	0.0007	0.0000	0.0000				
Smith 18kV	1.6000	-0.0002	-0.0040	0.0001	0.0000	0.0048	-0.0056	-0.0001	0.0000	0.0000	0.0000	-0.0023	-0.0001	0.0000	0.0000	0.0000	-0.0054	-0.0000	0.0000	0.0000	0.0000	-0.0672	-0.0036	0.0002	0.0000	0.0000	0.0000			
Smith Tree 12kV	0.0166	-0.0009	-0.0001	0.0011	0.0000	0.0000	-0.0009	-0.0001	0.0024	0.0000	0.0002	-0.0003	-0.0001	0.0000	0.0000	0.0000	-0.0014	-0.0000	0.0000	0.0000	0.0000	-0.0303	-0.0004	0.0000	0.0000	0.0000	0.0000			
Snapping Tree 12kV	0.0056	-0.0207	-0.0063	0.0005	0.0011	0.0123	-0.0185	-0.0075	0.0005	-0.0001	0.0225	-0.0158	-0.0069	0.0004	0.0000	0.0259	-0.0169	-0.0076	0.0000	0.0000	0.0547	-0.0167	-0.0071	0.0000	0.0000	0.0000				
Snappingdragon 12kV	0.0056	-0.0352	-0.0402	0.0013	0.0000	0.0041	-0.0394	-0.0400	0.0018	0.0000	0.0076	-0.0428	-0.0401	0.0025	0.0000	0.0087	-0.0445	-0.0395	0.0000	0.0000	0.0184	-0.0469	-0.0376	0.0020	0.0000	0.0000				
Sned 12kV	0.0109	-0.0744	-0.0544	0.0089	0.0068	0.0147	-0.0873	-0.0466	0.0108	-0.0019	0.0269	-0.0980	-0.0442	0.0094	-0.0011	0.0300	-0.1419	-0.0492	0.0098	-0.0013	0.0654	-0.1969	-0.0460	0.0173	-0.0099	0.0000				
Snova 12kV	0.0037	-0.0451	-0.0603	0.0016	0.0016	0.0075	-0.0509	-0.0606	0.0020	-0.0003	0.0127	-0.0654	-0.0509	0.0024	-0.0007	0.0377	-0.0568	-0.0610	0.0005	0.0000	0.0512	-0.0932	-0.0000	0.0000	0.0000	0.0000				
Snipes 12kV	0.0465	-0.0906	-0.0445	0.0045	0.0015	0.0053	-0.0436	-0.0594	0.0005	-0.0008	0.0384	-0.0484	-0.0408	0.0014	-0.0001	0.0890	-0.0826	-0.0391	0.0003	-0.0009	0.1380	-0.0972	-0.0404	0.0000	0.0000	0.0000				
Snodden 12kV	0.0199	-0.0495	-0.0629	0.0016	0.0016	0.0048	-0.0576	-0.0639	0.0008	-0.0007	0.0212	-0.0623	-0.0536	0.0008	-0.0003	0.0898	-0.0856	-0.0403	0.0003	-0.0009	0.2320	-0.1655	-0.0535	0.0035	0.0000	0.0000				
Snore 12kV	0.0450	-0.0390	-0.0174	0.0010	0.0006	0.0334	-0.0331	-0.0120	0.0012	-0.0031	0.0610	-0.0250	-0.0074	0.0015	-0.0013	0.0701	-0.0277	-0.0115	0.0003	0.0000	0.1482	-0.0779	-0.0112	0.0193	-0.0311	0.0000				
Sonrisa 2.4kV	0.0032	-0.0014	0.0000	0.0004	0.0016	0.0000	0.0000	0.0000	0.0004	0.0000	0.0203	-0.0211	-0.0001	0.0000	0.0000	0.0304	-0.0319	-0.0001	0.0000	0.0000	0.0717	-0.1378	-0.0067	0.0013	-0.0004	0.0000				
Soper 4.16kV	0.0038	-0.0233	-0.0063	0.0009	0.0002	0.0228	-0.0239	-0.0011	0.0011	-0.0001	0.0051	-0.0241	-0.0012	0.0009	-0.0035	0.0059	-0.0354	-0.0209	0.0004	0.0000	0.0225	-0.0423	-0.0029	0.0171	-0.0133	0.0000				
Sophie 12kV	0.0217	0.0000	0.0000	0.0000	0.0217	0.0000	0.0000	0.0000	0.0000	0.0217	0.0000	0.0000	0.0000	0.0000	0.0217	0.0000	0.0000	0.0000	0.0000	0.0217	0.0000	0.0000	0.0000	0.0000	0.0000					
Sowthip 12kV	0.0343	-0.0277	-0.0144	0.0003	0.0009	0.0254	-0.0301	-0.0129	0.0004	-0.0002	0.0192	-0.0598	-0.0367	0.0020	-0.0003	0.0220	-0.0722	-0.0381	0.0047	-0.0009	0.0465	-0.0847	-0.0359	0.0034	-0.0009	0.0000				
Sorrento 16kV	1.6000	-0.0462	-0.0551	0.0009	0.0002	0.0497	-0.0553	-0.0012	0.0132	-0.0046	0.0256	-0.0200	-0.0028	0.0240	-0.0049	0.0328	-0.0238	-0.0023	0.0011	0.0276	-0.0537	-0.0053	0.0008	0.0000	0.0000					
Sotto 12kV	0.0343	-0.0442	-0.0458	0.0022	0.0036	0.0255	-0.0467	-0.0452	0.0028	-0.0002	0.0465	-0.0482																		

Facility	2018						2019						2020						2021						2022					
	EE Demand (MW)	PV (MW) ^{1a}	EE (MW) ^{1b}	EV (MW) ^{1b}	LMDR (MW) ^{1b}	EE Demand (MW)	PV (MW) ^{1b}	EE (MW) ^{1b}	EV (MW) ^{1b}	LMDR (MW) ^{1b}	EE Demand (MW)	PV (MW) ^{2b}	EE (MW) ^{2b}	EV (MW) ^{2b}	LMDR (MW) ^{2b}	EE Demand (MW)	PV (MW) ^{2b}	EE (MW) ^{2b}	EV (MW) ^{2b}	LMDR (MW) ^{2b}	EE Demand (MW)	PV (MW) ^{2b}	EE (MW) ^{2b}	EV (MW) ^{2b}	LMDR (MW) ^{2b}					
Spring Valley 12kV	0.0131	-0.1043	-0.0245	0.0036	0.0002	0.0097	-0.1030	-0.0146	0.0041	-0.0001	0.0177	-0.0972	-0.0061	0.0027	-0.1304	-0.0136	-0.0034	0.0430	-0.1568	-0.0136	0.0056	-0.0001	0.0000	0.0000	0.0000	0.0000	0.0000			
Sprint 12kV	0.0056	-0.0665	-0.0305	0.0072	0.0000	0.0033	-0.0698	-0.0278	0.0068	0.0000	0.0045	-0.0716	-0.0258	0.0065	0.0000	0.0101	-0.0854	-0.0280	-0.0054	0.0000	0.0214	-0.1001	-0.0263	0.0116	0.0000	0.0000	0.0000	0.0000	0.0000	
Spruce 12kV	0.0000	-0.0090	-0.0152	0.0000	0.0000	0.0000	-0.0101	-0.0156	0.0000	0.0000	0.0000	-0.0110	-0.0162	0.0000	0.0000	0.0000	-0.0114	-0.0162	0.0000	0.0000	0.0000	-0.0120	-0.0149	0.0000	0.0000	0.0000	0.0000	0.0000		
Spur 12kV	0.0046	-0.0531	-0.0254	0.0023	0.0001	0.0034	-0.0536	-0.0192	0.0026	-0.0005	0.0063	-0.0526	-0.0140	0.0017	-0.0011	0.0072	-0.0712	-0.0189	-0.0022	-0.0044	0.0152	-0.0907	-0.0181	0.0035	-0.0044	0.0000	0.0000	0.0000		
Squadron 12kV	0.0338	-0.1023	-0.0222	0.0018	0.0000	0.0251	-0.0997	-0.0176	0.0023	0.0000	0.0458	-0.0918	-0.0138	0.0017	0.0000	0.0526	-0.1089	-0.0174	-0.0014	0.0000	0.1043	-0.1178	-0.0168	0.0030	0.0000	0.0000	0.0000	0.0000		
Squall 12kV	0.0161	-0.0545	-0.0181	0.0073	0.0020	0.0120	-0.0584	-0.0145	0.0062	-0.0003	0.0218	-0.0591	-0.0115	0.0053	-0.0007	0.0251	-0.0835	-0.0143	-0.0069	0.0009	0.0530	-0.1088	-0.0137	0.0111	-0.0004	0.0000	0.0000	0.0000	0.0000	
Squint 12kV	0.0062	-0.0105	-0.0082	0.0025	0.0000	0.0046	-0.0104	-0.0055	0.0028	0.0000	0.0083	-0.0102	-0.0031	0.0020	0.0000	0.0096	-0.0127	-0.0052	-0.0046	0.0000	0.0202	-0.0138	-0.0051	0.0033	0.0000	0.0000	0.0000	0.0000	0.0000	
Squires 4.16kV	0.0092	-0.0019	-0.0028	0.0011	0.0014	0.0000	-0.0022	-0.0027	0.0014	-0.0004	0.0000	-0.0023	-0.0026	0.0012	0.0001	0.0000	-0.0027	-0.0028	0.0005	0.0000	0.0000	-0.0030	-0.0026	0.0022	0.0000	0.0000	0.0000	0.0000	0.0000	
Sri Lanka 12kV	0.0047	-0.0381	-0.0165	0.0153	-0.0011	0.0035	-0.0379	-0.0113	0.0172	-0.0001	0.0000	-0.0361	-0.0069	0.0112	-0.0002	0.0073	-0.0473	-0.0109	-0.0144	-0.0009	0.0153	-0.0562	-0.0106	0.0234	-0.0009	0.0000	0.0000	0.0000	0.0000	
St. Charles 16kV	0.0297	-0.0241	-0.0064	0.0030	0.0008	0.0221	-0.0270	-0.0045	0.0036	-0.0001	0.0403	-0.0262	-0.0029	0.0032	0.0001	0.0434	-0.0390	-0.0044	0.0013	0.0000	0.0918	-0.0479	-0.0043	0.0058	-0.0022	0.0000	0.0000	0.0000	0.0000	
St. Croix 12kV	0.0040	-0.0524	-0.0688	0.0012	-0.0002	0.0030	-0.0586	-0.0692	0.0015	0.0014	0.0054	-0.0636	-0.0702	0.0021	-0.0021	0.0062	-0.0662	-0.0699	0.0049	0.0000	0.0131	-0.0697	-0.0053	0.0036	0.0000	0.0000	0.0000	0.0000		
St. Johns 12kV	0.0324	-0.0427	-0.0166	0.0024	0.0000	0.0240	-0.0399	-0.0129	0.0027	0.0000	0.0439	-0.0370	-0.0098	0.0019	0.0000	0.0505	-0.0410	-0.0126	-0.0044	0.0000	0.1066	-0.0435	-0.0125	0.0031	0.0000	0.0000	0.0000	0.0000	0.0000	
St. Thomas 12kV	0.0040	-0.0474	-0.0145	0.0033	-0.0003	0.0030	-0.0465	-0.0089	0.0040	-0.0001	0.0054	-0.0439	-0.0066	0.0062	-0.0054	0.0083	-0.0014	-0.0018	0.0031	0.0000	0.0271	-0.0083	0.0064	-0.0013	0.0000	0.0000	0.0000	0.0000	0.0000	
Stack 12kV	0.0115	-0.0239	-0.0379	0.0013	0.0077	0.0085	-0.0245	-0.0362	0.0016	-0.0020	0.0156	-0.0252	-0.0052	0.0014	-0.0016	0.0179	-0.0264	-0.0066	-0.0027	0.0079	-0.0275	0.0043	0.0026	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Stacy 4.16kV	0.0001	-0.0001	-0.0001	0.0001	0.0000	0.0000	-0.0001	-0.0001	0.0001	0.0000	0.0001	-0.0001	-0.0001	0.0001	-0.0001	0.0000	-0.0001	-0.0001	-0.0001	0.0000	-0.0001	-0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		
Stagger 12kV	0.0432	-0.0679	0.0344	0.0012	0.0037	0.0320	-0.0607	-0.0300	0.0015	0.0015	0.0058	-0.0524	-0.0265	0.0013	-0.0015	0.0573	-0.0853	-0.0303	0.0005	-0.0027	0.1423	-0.1113	-0.0284	0.0023	-0.0013	0.0000	0.0000	0.0000	0.0000	
Stagger 12kV	0.0170	-0.0373	0.0384	0.0002	0.0000	0.0126	-0.0417	-0.0379	0.0003	0.0000	0.0231	-0.0452	-0.0376	0.0004	0.0000	0.0265	-0.0470	-0.0360	0.0001	0.0000	0.0560	-0.0496	-0.0355	0.0005	0.0000	0.0000	0.0000	0.0000	0.0000	
Stagefife 12kV	0.0514	-0.0847	-0.0135	0.0049	-0.0004	0.2174	-0.0738	-0.0092	0.0055	-0.0005	0.0580	-0.0613	-0.0054	0.0039	-0.0015	1.2078	-0.0714	-0.0896	-0.0004	0.0004	0.2787	-0.0758	-0.0886	0.0085	-0.0027	0.0000	0.0000	0.0000	0.0000	0.0000
Staghorn 12kV	0.0062	-0.0457	-0.0174	0.0012	0.0025	0.0046	-0.0439	-0.0141	0.0014	0.0001	0.0064	-0.0410	-0.0114	0.0010	-0.0008	0.0096	-0.0527	-0.0143	-0.0004	0.0004	0.0203	-0.0631	-0.0133	0.0021	-0.0009	0.0000	0.0000	0.0000	0.0000	0.0000
Stalling 12kV	0.0357	-0.0737	-0.0351	0.0079	0.0006	0.0245	-0.0741	-0.0303	0.0090	-0.0033	0.0446	-0.0726	-0.0264	0.0063	-0.0013	0.0513	-0.0945	-0.0305	-0.0007	0.0013	0.1085	-0.1166	-0.0287	0.0138	-0.0035	0.0000	0.0000	0.0000	0.0000	0.0000
Stampier 12kV	0.0017	-0.0595	0.0617	0.0028	0.0121	0.0012	-0.0654	-0.0611	0.0031	-0.0023	0.0023	-0.0702	-0.0612	0.0020	-0.0008	0.0265	-0.0799	-0.0628	-0.0026	0.0000	0.0555	-0.0517	-0.0578	0.0043	0.0000	0.0000	0.0000	0.0000	0.0000	
Standard 12kV	0.0156	-0.0877	-0.0564	0.0163	0.0065	0.0116	-0.0907	-0.0506	0.0183	-0.0011	0.0212	-0.0917	-0.0462	0.0119	-0.0012	0.0244	-0.1170	-0.0512	-0.0153	-0.0004	0.0051	-0.1436	-0.0479	0.0249	-0.0013	0.0000	0.0000	0.0000	0.0000	0.0000
Standing Rock 12kV	0.0173	-0.0934	0.0250	0.0093	0.0000	0.0129	-0.0836	-0.0166	0.0104	-0.0000	0.0235	-0.0729	-0.0095	0.0069	0.0000	0.0270	-0.0897	-0.0158	0.0000	0.0571	-0.1027	-0.0156	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		
Standish 4.16kV	0.0000	-0.0214	-0.0032	0.0039	-0.0004	0.0000	-0.0213	-0.0019	0.0044	-0.0006	0.0000	-0.0210	-0.0008	0.0028	-0.0004	0.0000	-0.0301	-0.0018	-0.0036	-0.0004	0.0000	-0.0394	-0.0018	0.0059	-0.0022	0.0000	0.0000	0.0000	0.0000	0.0000
Stanford 12kV	0.0597	-0.0982	-0.0194	0.0010	0.0004	0.0409	-0.0974	-0.0129	0.0012	0.0000	0.0747	-0.0911	-0.0073	0.0010	0.0000	0.0859	-0.1158	-0.0222	0.0004	-0.0133	0.1815	-0.1321	-0.0213	0.0018	-0.0027	0.0000	0.0000	0.0000	0.0000	0.0000
Stanwood 16kV	0.0112	-0.0727	-0.0456	0.0079	0.0023	0.0083	-0.0694	-0.0414	0.0095	0.0011	0.0152	-0.0634	-0.0383	0.0083	-0.0017	0.0175	-0.0708	-0.0419	0.0034	-0.0004	0.0369	-0.1070	-0.0392	0.0153	-0.0009	0.0000	0.0000	0.0000	0.0000	0.0000
Stagnate 12kV	0.0005	-0.0084	0.0683	0.0012	0.0021	0.0045	-0.0504	-0.0677	0.0014	-0.0003	0.0055	-0.0525	-0.0460	0.0010	-0.0003	0.0294	-0.0560	-0.0491	0.0001	0.0000	0.0649	-0.0687	0.0053	0.0021	-0.0013	0.0000	0.0000	0.0000	0.0000	0.0000
Stella 12kV	0.0059	-0.0894	-0.0271	0.0140	0.0020	0.0044	-0.0899	-0.0231	0.0158	0.0002	0.0060	-0.0898	-0.0163	0.0102	-0.0002	0.0093	-0.1188	-0.0209	0.0022	-0.0023	0.0195	-0.1502	-0.0200	0.0214	-0.0004	0.0000	0.0000	0.0000	0.0000	0.0000
Stetson 12kV	0.0076	-0.0124	0.0053	0.0001	0.0010	0.0014	-0.0236	-0.0056	0.0012	-0.0007	0.0007	-0.0207	-0.0045	0.0008	-0.0010	0.0000	-0.0254	-0.0000	-0.0001	-0.0004	0.0000	-0.0288	0.0000	0.0018	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Stig 12kV	0.0074	-0.0343	-0.0309	0.0019	0.0095	0.0074	-0.0348	-0.0288	0.0023	-0.0013	0.0074	-0.0345	-0.0274	0.0020	0.0000	0.0074	-0.0401	-0.0292	0.0008	0.0000	0.0074	-0.0453	-0.0273	0.00						

Facility	2018						2019						2020						2021						2022					
	EE Demand (MW)	PV (MW) ^{1a}	EE (MW) ^{1b}	EV (MW) ^{1b}	LMDR (MW) ^{1b}	EE Demand (MW)	PV (MW) ^{1b}	EE (MW) ^{1b}	EV (MW) ^{1b}	LMDR (MW) ^{1b}	EE Demand (MW)	PV (MW) ^{2b}	EE (MW) ^{2b}	EV (MW) ^{2b}	LMDR (MW) ^{2b}	EE Demand (MW)	PV (MW) ^{2b}	EE (MW) ^{2b}	EV (MW) ^{2b}	LMDR (MW) ^{2b}	EE Demand (MW)	PV (MW) ^{2b}	EE (MW) ^{2b}	EV (MW) ^{2b}	LMDR (MW) ^{2b}					
Sully 12kV	0.0051	-0.0441	-0.0496	0.0003	0.0047	0.0038	-0.0502	-0.0499	0.0004	-0.0013	0.0069	-0.0547	-0.0509	0.0006	0.001	0.0080	-0.0667	-0.0514	0.0013	-0.0004	0.0169	-0.0786	-0.0474	0.0010	-0.0004					
Sumar 12kV	4.3868	-0.0380	-0.0369	0.0029	0.0115	1.1790	-0.0374	-0.0362	0.0033	-0.0037	0.0107	-0.0365	-0.0361	0.0023	-0.0017	0.0123	-0.0392	-0.0372	-0.0003	-0.0022	0.0261	-0.0414	-0.0344	0.0050	-0.0004					
Summerhill 16kV	0.0197	-0.0095	-0.0523	0.0044	0.0102	0.0146	-0.0979	-0.0494	0.0054	-0.0020	0.0266	-0.0992	-0.0476	0.0046	-0.0025	0.0306	-0.1256	-0.0504	0.0019	-0.0013	0.0647	-0.1451	-0.0468	0.0086	-0.0004					
Sump 4.16kV	0.0114	-0.0042	-0.0015	0.0014	0.0000	0.0084	-0.0043	-0.0008	0.0015	0.0000	0.0000	-0.0043	-0.0003	0.0011	0.0000	0.0000	-0.0063	-0.0008	-0.0001	-0.0004	0.0000	-0.0086	-0.0008	0.0024	0.0000					
Sun 4.16kV	0.0027	0.0000	-0.0001	0.0000	0.0020	0.0001	-0.0001	0.0000	0.0000	0.0000	0.0037	-0.0001	-0.0001	0.0000	0.0000	0.0042	-0.0001	-0.0001	0.0000	0.0000	0.0089	-0.0001	-0.0001	0.0000	0.0000					
Sun Village 12kV	0.0108	-0.0584	-0.0230	0.0011	0.0013	0.0080	-0.0867	-0.0179	0.0013	-0.0004	0.0146	-0.0845	-0.0135	0.0012	-0.0017	0.0168	-0.1070	-0.0175	0.0005	-0.0013	0.0355	-0.1299	-0.0169	0.0022	-0.0013					
Sundale 4.16kV	0.0053	-0.0192	-0.0042	0.0020	0.0000	0.0039	-0.0209	-0.0025	0.0060	0.0000	0.0071	-0.0209	-0.0011	0.0046	0.0000	0.0082	-0.0285	-0.0024	0.0131	0.0000	0.0173	-0.0336	-0.0024	0.0083	0.0000					
Sundance 12kV	0.0734	-0.0699	-0.0204	0.0034	0.0015	0.0545	-0.0647	-0.0152	0.0038	-0.0004	0.0994	-0.0588	-0.0107	0.0027	0.0003	0.1036	-0.0754	-0.0148	-0.0003	-0.0018	0.2123	-0.0506	-0.0143	0.0059	-0.0013					
Sundown 12kV	0.0542	-0.3189	-0.0344	0.0058	0.0000	0.0402	-0.3065	-0.0228	0.0071	0.0000	0.0734	-0.2782	-0.0127	0.0053	0.0000	0.0844	-0.3430	-0.0216	-0.0043	0.0000	0.1784	-0.3778	-0.0213	0.0094	0.0000					
Sunfar 25kV	0.0097	-0.0422	-0.0064	0.0030	0.0000	0.0072	-0.0422	-0.0039	0.0000	0.0131	-0.0399	-0.0017	0.0027	0.0000	0.0151	-0.0522	-0.0036	-0.0022	0.0000	0.0318	-0.0608	-0.0096	0.0048	0.0000						
Sunflower 12kV	0.0080	-0.0425	-0.0598	0.0013	0.0000	0.0059	-0.0462	-0.0504	0.0018	0.0000	0.0108	-0.0490	-0.0618	0.0025	0.0000	0.0050	-0.0532	-0.0623	0.0005	0.0000	0.0127	-0.0580	-0.0573	0.0028	0.0000					
Sunglasses 12kV	0.0734	-0.0538	-0.0266	0.0016	0.0016	0.0545	-0.0462	-0.0218	0.0019	-0.0011	0.0994	-0.0391	-0.0179	0.0013	-0.0010	0.1036	-0.0440	-0.0218	-0.0002	0.0009	0.2123	-0.0473	-0.0206	0.0029	-0.0018					
Sunglow 4.16kV	0.0008	-0.0150	-0.0064	0.0016	0.0000	0.0006	-0.0155	-0.0036	0.0018	0.0000	0.0011	-0.0159	-0.0012	0.0012	0.0000	0.0012	-0.0240	-0.0033	0.0000	0.0026	0.0034	-0.0094	0.0021	0.0060	0.0000					
Sunkist 12kV	0.0270	-0.0706	-0.0213	0.0022	0.0051	0.0200	-0.0737	-0.0183	0.0025	0.0000	0.0366	-0.0730	-0.0158	0.0018	0.0000	0.0420	-0.0972	-0.0183	-0.0002	0.0013	0.0889	-0.1174	-0.0172	0.0058	0.0000					
Sunlight 4.16kV	0.0003	-0.0021	-0.0031	0.0000	0.0000	0.0003	-0.0027	-0.0004	0.0004	0.0001	0.0000	-0.0003	-0.0004	0.0003	0.0000	0.0000	-0.0003	-0.0004	0.0000	0.0000	0.0000	-0.0003	0.0000	0.0000	0.0000					
Sunnyvale 4.16kV	0.0036	-0.0003	-0.0004	0.0003	0.0000	0.0003	-0.0007	-0.0004	0.0004	0.0001	0.0000	-0.0003	-0.0004	0.0003	0.0000	0.0000	-0.0003	-0.0004	0.0000	0.0000	0.0000	-0.0003	0.0000	0.0000	0.0000					
Sunny View 33kV	1.4000	0.0000	0.0000	0.0000	0.0008	0.0000	1.2000	0.0000	0.0000	0.0000	0.0000	0.0805	0.0000	0.0000	0.0000	0.0000	0.0926	0.0000	0.0000	0.0000	0.0000	0.1958	0.0000	0.0000	0.0011	0.0000				
Sunnyslope 4.16kV	0.0061	-0.0178	-0.0063	0.0028	0.0014	0.0045	-0.0207	-0.0047	0.0032	0.0002	0.0082	-0.0226	-0.0034	0.0023	-0.0011	0.0094	-0.0337	-0.0046	-0.0004	0.0200	-0.0446	-0.0044	0.0049	-0.0009	0.0000					
Sunnyslope 12kV	0.0109	-0.0695	-0.0140	0.0024	0.0000	0.0081	-0.0594	-0.0095	0.0037	0.0000	0.0148	-0.0472	-0.0056	0.0018	0.0000	0.0171	-0.0512	-0.0091	-0.0035	0.0000	0.0495	-0.0869	0.0033	0.0000	0.0000					
Sunset 12kV	0.2299	-0.0502	-0.0244	0.0008	0.0000	0.0689	-0.0507	-0.0023	0.0009	0.0000	0.0644	-0.0606	-0.0021	0.0007	0.0000	0.0740	-0.0065	-0.0233	-0.0006	0.0000	0.1066	-0.0069	0.0022	0.0000	0.0000					
Sunsweet 12kV	0.0268	-0.0866	-0.0506	0.0020	0.0126	0.0199	-0.0883	-0.0471	0.0034	-0.0031	0.0363	-0.0842	-0.0447	0.0021	0.0005	0.0418	-0.0987	-0.0480	0.0008	0.0000	0.0883	-0.1055	-0.0447	0.0038	-0.0018					
Sutan 4.16kV	0.0045	-0.0074	-0.0058	0.0004	0.0003	0.0064	-0.0063	-0.0042	0.0004	-0.0001	0.0062	-0.0054	-0.0028	0.0004	-0.0008	0.0071	-0.0061	-0.0043	0.0002	0.0004	0.0150	-0.0064	-0.0039	0.0007	0.0000					
Suntower 16kV	0.0338	-0.0596	-0.0901	0.0000	0.0089	0.0076	-0.0251	-0.0666	0.0021	-0.0016	0.0458	-0.0723	-0.0944	0.0065	-0.0022	0.0526	-0.0753	-0.0948	-0.0083	0.0000	0.1112	-0.0794	-0.0871	0.0135	0.0000					
Superior 12kV	0.0216	-0.0687	-0.0354	0.0073	0.0000	0.0160	-0.0768	-0.0233	0.0083	0.0000	0.0293	-0.0844	-0.0300	0.0000	0.0057	0.0336	-0.1130	-0.0326	-0.0134	0.0000	0.0711	-0.1455	-0.0305	0.0096	0.0000					
Supreme 12kV	0.0397	-0.0502	-0.0200	0.0043	-0.0067	0.0295	-0.0507	-0.0140	0.0049	0.0005	0.0538	-0.0500	-0.0089	0.0034	-0.0025	0.0619	-0.0694	-0.0136	-0.0004	0.0133	0.1308	-0.0502	0.0172	0.0075	-0.0018					
Surfrider 16kV	0.0338	-0.0107	-0.0191	0.0008	0.0251	0.0119	-0.0196	0.0009	0.0033	0.0048	-0.0130	-0.0204	0.0013	-0.0003	0.0256	-0.0135	0.0203	0.0030	0.0000	0.1112	-0.0142	-0.0187	0.0022	0.0000						
Surfside 16kV	0.0639	-0.0910	-0.0378	0.0109	0.0000	0.0337	-0.1047	-0.0294	0.0122	0.0000	0.0538	-0.1163	-0.0223	0.0081	0.0095	-0.1676	-0.0287	-0.0162	0.0000	0.2104	-0.2255	-0.0276	0.0151	0.0000						
Surgeon 12kV	0.0186	-0.0663	-0.0226	0.0059	0.0043	0.0138	-0.0619	-0.0181	0.0067	-0.0007	0.0252	-0.0656	-0.0043	0.0040	-0.0017	0.0289	-0.0703	-0.0179	-0.0056	0.0013	0.0612	-0.0826	-0.0170	0.0090	-0.0018					
Surprise 12kV	0.2435	-0.0560	-0.0180	0.0000	0.0081	0.0240	-0.0593	-0.0157	0.0000	0.0000	0.0376	-0.0588	-0.0139	0.0001	0.0007	0.0432	-0.0751	-0.0157	0.0000	0.0091	-0.0847	-0.0152	0.0001	-0.0013						
Surrey 12kV	0.0046	-0.0284	-0.0164	0.0017	0.0000	0.0034	-0.0305	-0.0162	0.0027	0.0000	0.0062	-0.0405	-0.0142	0.0000	0.0000	0.0162	-0.0662	-0.0075	0.0000	0.0000	-0.0969	-0.0069	0.0026	0.0000	-0.0018					
Swallow 12kV	0.0242	-0.0569	-0.0354	0.0076	0.0007	0.0160	-0.0559	-0.0139	0.0021	-0.0001	0.0060	-0.0548	-0.0159	0.0000	0.0000	0.0245	-0.0652	-0.0063	0.0000	0.0000	-0.1031	-0.0079	0.0022	0.0000	-0.0011					
Swanson 12kV	0.0163	-0.0903	-0.0302	0.0131	0.0001	0.0221	-0.0529	-0.0132	0.0014	-0.0001	0.0060	-0.0575	-0.0265	0.0000	0.0000	0.0379	-0.0693	-0.0295	0.0000	0.0000	-0.1031	-0.0079	0.0022	0.0000	-0.0011					
Swatka 12kV	0.0338	-0.1747	-0.0143	0.0009	0.0251	0.0162	-0.0991	0.0010	0.0113	0.0048	-0.1249	-0.0046	0.0005	0.0005	-0.0511	0.0362	-0.0869	-0.0041	0.0000	0.1554	-0.1654	-0.0085	0.0013	-0.0009						
Swetzer 4.16kV	0.0053	-0.0034	-0.0046	0.0020	0.0000	0.0039	-0.0035	-0.0029	0.0002	-0.0001	0.0071	-0.0035	-0.0029	0.0000	0.0000	0.0043	-0.0028	-0.0036	0.0000	0.0000	0.0173	-0.0056	0.0000	0.0000	0.0000					
Swift 14.16kV	0.0000	-0.0116	-0.0092	0.0010	0.0000	0.0112	-0.0080	0.0001	0.0001	0.0000	0.0105	-0.0072	-0.0																	

Facility	2018						2019						2020						2021						2022								
	ee Demand (MW)	PV (MW) ^{1a}	EE (MW) ^{1b}	EV (MW) ^{1b}	LMDR (MW) ^{1b}	ee Demand (MW)	PV (MW) ^{1b}	EE (MW) ^{1b}	EV (MW) ^{1b}	LMDR (MW) ^{1b}	ee Demand (MW)	PV (MW) ^{2b}	EE (MW) ^{2b}	EV (MW) ^{2b}	LMDR (MW) ^{2b}	ee Demand (MW)	PV (MW) ^{2b}	EE (MW) ^{2b}	EV (MW) ^{2b}	LMDR (MW) ^{2b}	ee Demand (MW)	PV (MW) ^{2b}	EE (MW) ^{2b}	EV (MW) ^{2b}	LMDR (MW) ^{2b}								
Taylor 12kV	0.0528	-0.0507	-0.0245	0.0011	0.0041	0.0392	-0.0489	-0.0216	0.0012	-0.0025	0.0715	-0.0460	-0.0195	0.0009	0.0822	-0.0569	-0.0219	-0.0001	0.1737	-0.0665	-0.0205	0.0019	-0.0013										
Teacher 12kV	0.0168	-0.0415	-0.0478	0.0014	0.0038	0.0123	-0.0452	-0.0471	0.0018	-0.0017	0.0225	-0.0476	-0.0470	0.0024	0.0259	-0.0504	-0.0472	0.0058	0.0000	0.0547	-0.0531	-0.0444	0.0042	0.0000									
Teak 16kV	0.5786	-0.0325	-0.0517	0.0024	0.0000	0.3132	-0.0361	-0.0526	0.0031	0.0000	0.5719	-0.0390	-0.0542	0.0044	0.0000	0.6576	-0.0416	-0.0544	0.0009	0.0000	0.0264	-0.0450	-0.0500	0.0050	0.0000								
Teapot 12kV	0.0607	-0.0780	-0.0252	0.0010	0.0011	0.0107	-0.0746	-0.0192	0.0011	-0.0001	0.0195	-0.0696	-0.0141	0.0007	-0.0031	0.0224	-0.0889	-0.0188	-0.0009	-0.0031	0.0474	-0.1057	-0.0181	0.0015	-0.0013								
Tecolote 16kV	0.0165	-0.0798	-0.0219	0.0124	0.0000	0.0122	-0.0696	-0.0148	0.0139	0.0000	0.0223	-0.0580	-0.0087	0.0092	0.0000	0.0256	-0.0676	-0.0143	-0.0184	0.0000	0.0542	-0.0726	-0.0139	0.0173	0.0000								
Tee 12kV	0.0051	-0.0448	-0.0141	0.0128	-0.0013	0.0038	-0.0447	-0.0101	0.0144	-0.0015	0.0069	-0.0434	-0.0066	0.0093	-0.0031	0.0080	-0.0598	-0.0098	-0.0120	-0.0022	0.0169	-0.0768	-0.0095	0.0195	-0.0049								
Tee Vee 12kV	0.0000	-0.0012	-0.0019	0.0000	0.0003	0.0000	-0.0013	-0.0020	0.0000	-0.0001	0.0000	-0.0015	-0.0020	0.0000	0.0000	0.0000	-0.0016	-0.0020	0.0000	0.0000	0.0000	-0.0017	-0.0019	0.0000	0.0000								
Tejon 12kV	0.0000	-0.0249	-0.0084	0.0108	0.0000	0.0000	-0.0244	-0.0067	0.0123	0.0000	0.0000	-0.0234	-0.0053	0.0085	0.0000	0.0000	-0.0295	-0.0066	-0.0198	0.0000	0.0000	-0.0354	-0.0063	0.0142	0.0000								
Tejon Peak 2.4kV	0.0000	-0.0002	-0.0003	0.0000	0.0000	0.0000	-0.0002	-0.0003	0.0000	0.0000	0.0000	-0.0002	-0.0003	0.0000	0.0000	0.0000	-0.0002	-0.0003	0.0000	0.0000	0.0000	-0.0002	-0.0003	0.0000	0.0000								
Telephone 12kV	0.0235	-0.0626	-0.0141	0.0029	0.0004	0.0174	-0.0583	-0.0086	0.0032	-0.0001	0.0318	-0.0530	-0.0039	0.0021	-0.0009	0.0366	-0.0697	-0.0081	-0.0027	-0.0073	-0.0842	-0.0081	0.0044	-0.0027									
Teller 12kV	0.0240	-0.0558	-0.0318	0.0070	-0.0002	0.0178	-0.0662	-0.0255	0.0084	-0.0004	0.0325	-0.0733	-0.0203	0.0073	-0.0006	0.0407	-0.1089	-0.0253	0.0030	0.0000	0.0099	-0.1447	-0.0240	0.0135	-0.0035								
Teloma 4.16kV	0.0000	-0.0135	-0.0030	0.0034	0.0000	0.0000	-0.0129	-0.0018	0.0038	0.0000	0.0000	-0.0120	-0.0007	0.0025	0.0000	0.0000	-0.0163	-0.0017	0.0051	0.0000	0.0000	-0.0200	-0.0017	0.0048	0.0000								
Telstar 16kV	0.0088	-0.0629	-0.0275	0.0050	0.0000	0.0065	-0.0706	-0.0268	0.0062	0.0000	0.0119	-0.0758	-0.0152	0.0046	0.0000	0.0137	-0.1056	-0.0204	-0.0038	0.0000	0.0000	-0.0289	-0.0191	0.0062	0.0000								
Temeck 12kV	0.0146	-0.0601	-0.0198	0.0039	0.0012	0.0109	-0.0552	-0.0142	0.0044	-0.0005	0.0198	-0.0494	-0.0094	0.0031	-0.0015	0.0228	-0.0625	-0.0137	-0.0004	0.0482	-0.0733	-0.0069	-0.0022										
Templeton 12kV	0.0000	-0.0001	-0.0001	0.0001	0.0000	0.0000	-0.0001	-0.0001	0.0000	0.0000	0.0000	-0.0001	-0.0001	0.0000	0.0000	0.0000	-0.0001	-0.0001	0.0000	0.0000	0.0000	-0.0001	-0.0001	0.0000	0.0000								
Tenn Pin 4.16kV	0.0040	-0.0214	-0.0037	0.0010	0.0000	0.0030	-0.0233	-0.0022	0.0012	-0.0004	0.0054	-0.0235	-0.0069	0.0011	-0.0004	0.0062	-0.0326	-0.0020	0.0000	0.0000	-0.0395	-0.0021	0.0020	0.0000									
Tender 12kV	0.0042	-0.0581	-0.0163	0.0019	0.0002	0.0031	-0.0551	-0.0157	0.0011	-0.0003	0.0066	-0.0509	-0.0077	0.0015	-0.0003	0.0065	-0.0666	-0.0113	0.0002	0.0004	-0.0371	-0.0066	-0.0033	0.0009									
Tenncico 12kV	0.0540	-0.0214	-0.0283	0.0061	0.0000	0.0101	-0.0284	-0.0204	0.0068	0.0000	0.0731	-0.0257	-0.0137	0.0045	0.0000	0.0841	-0.0254	-0.0195	0.0000	0.0000	0.1777	-0.0280	-0.0191	0.0084	0.0000								
Tenor 4.16kV	0.0007	-0.0223	-0.0067	0.0081	0.0000	0.0005	-0.0125	-0.0040	0.0002	-0.0009	0.0009	-0.0127	-0.0017	0.0063	0.0000	0.0011	-0.0384	-0.0148	0.0000	0.0003	-0.0250	-0.0037	0.0106	0.0000									
Term 12kV	0.0166	-0.0828	-0.0204	0.0068	0.0014	0.0122	-0.0792	-0.0151	0.0077	-0.0006	0.0225	-0.0710	-0.0106	0.0055	-0.0011	0.0259	-0.0871	-0.0147	-0.0006	0.0044	-0.0547	-0.0162	0.0142	0.0119	-0.0018	0.0000							
Terminal 12kV	0.0150	-0.0002	-0.0004	0.0015	0.0000	0.0111	-0.0003	-0.0004	0.0017	0.0000	0.0203	-0.0003	-0.0004	0.0011	0.0000	0.0234	-0.0003	-0.0014	0.0000	0.0000	0.0494	-0.0003	0.0004	0.0023	0.0000								
Terminus 12kV	0.0152	-0.0061	-0.0036	0.0010	0.0000	0.0113	-0.0060	-0.0028	0.0012	0.0000	0.0206	-0.0057	-0.0022	0.0008	0.0000	0.0237	-0.0064	-0.0016	0.0000	0.0501	-0.0068	-0.0027	0.0015	0.0000									
Terra 12kV	0.0132	-0.0310	-0.0382	0.0017	0.0073	0.0098	-0.0325	-0.0369	0.0021	0.0001	0.0179	-0.0333	-0.0063	0.0018	-0.0006	0.0206	-0.0372	-0.0078	0.0008	-0.0181	0.0436	-0.0410	-0.0350	0.0034	-0.0009								
Terra Cotta 33kV	0.0361	-0.0282	-0.0187	0.0027	0.0000	0.0268	-0.0315	-0.0182	0.0033	0.0000	0.0489	-0.0343	-0.0177	0.0025	0.0000	0.0562	-0.0356	-0.0173	-0.0020	0.0000	0.1188	-0.0375	-0.0170	0.0044	0.0000								
Terradell 12kV	0.0091	-0.0444	-0.0296	0.0034	0.0009	0.0067	-0.0471	-0.0250	0.0039	-0.0011	0.0223	-0.0491	-0.0213	0.0028	-0.0015	0.0414	-0.0675	-0.0251	-0.0003	-0.0027	0.0298	-0.0503	-0.0236	0.0000	-0.0027								
Terrazzo 4.16kV	0.0152	-0.0226	-0.0061	0.0095	0.0000	0.0112	-0.0251	-0.0036	0.0107	0.0000	0.0205	-0.0258	-0.0014	0.0074	0.0000	0.0236	-0.0366	-0.0033	-0.0000	0.0449	-0.0333	0.0124	0.0000										
Terrier 12kV	0.0051	-0.1171	-0.0322	0.0084	0.0049	0.0038	-0.1158	-0.0263	0.0095	-0.0016	0.1089	-0.1089	-0.0214	0.0067	-0.0014	0.0079	-0.1400	-0.0262	-0.0008	-0.0027	0.0168	-0.2048	-0.0147	-0.0013									
Terry 12kV	0.0194	-0.1445	-0.0217	0.0162	0.0000	0.0144	-0.1442	-0.0192	0.0183	-0.0020	0.0263	-0.1356	-0.0054	0.0119	-0.0009	0.0303	-0.1820	-0.0120	-0.0153	-0.0022	0.0640	-0.2181	-0.0121	0.0248	-0.0035								
Tesono 12kV	0.0471	-0.0759	-0.0218	0.0041	-0.0007	0.0350	-0.0753	-0.0144	0.0047	-0.0007	0.0638	-0.0730	-0.0081	0.0003	-0.0012	0.0734	-0.1013	-0.0179	-0.0004	0.0181	-0.1551	-0.0135	0.0072	0.0000									
Test 16kV	0.0297	-0.1193	-0.0274	0.0213	0.0000	0.0221	-0.1220	-0.0197	0.0261	0.0000	0.0403	-0.1154	-0.0132	0.0194	-0.0016	0.0261	-0.1420	-0.0191	-0.0159	0.0000	0.0518	-0.1056	-0.0144	0.0346	-0.0000								
Thoroughbred 12kV	0.0111	-0.1664	-0.0149	0.0087	0.0002	0.0082	-0.1535	-0.0089	0.0098	-0.0021	0.0450	-0.1374	-0.0157	0.0012	-0.0001	0.0219	-0.1825	-0.0176	-0.0004	0.0089	-0.2166	-0.0183	-0.0082	0.0009	0.0365	-0.2186	-0.0083	0.0133	-0.0022				
Thorpe 12kV	0.0281	-0.0723	-0.0159	0.0016	0.0041	0.0208	-0.0744	-0.0049	0.0201	-0.0004	0.0381	-0.0802	-0.0164	0.0066	-0.0020	0.0000	0.0205	-0.0825	-0.0174	-0.0005	0.0095	-0.0925	-0.0127	-0.0048	0.0033	0.0000							
Thresher 12kV	0.0617	-0.1452	-0.0231	0.0058	0.0006	0.0458	-0.1384	-0.0164	0.0066	-0.0002	0.0836	-0.1285	-0.0107	0.0043	-0.0015	0.0118	-0.2258	-0.0175	-0.0004	0.0044	-0.2258	-0.0173	-0.0044	0.0000	-0.0044								

Facility	2018					2019					2020					2021					2022					
	ee Demand (MW)	PV (MW) ^{1a}	EE (MW) ^{1b}	EV (MW) ^{1b}	LMDR (MW) ^{1b}	ee Demand (MW)	PV (MW) ^{1b}	EE (MW) ^{1b}	EV (MW) ^{1b}	LMDR (MW) ^{1b}	ee Demand (MW)	PV (MW) ^{2b}	EE (MW) ^{2b}	EV (MW) ^{2b}	LMDR (MW) ^{2b}	ee Demand (MW)	PV (MW) ^{2b}	EE (MW) ^{2b}	EV (MW) ^{2b}	LMDR (MW) ^{2b}	ee Demand (MW)	PV (MW) ^{2b}	EE (MW) ^{2b}	EV (MW) ^{2b}	LMDR (MW) ^{2b}	
Toledo 4.16KV	0.0048	-0.0299	-0.0084	0.0056	0.0000	0.0035	-0.0328	-0.0070	0.0063	0.0000	0.0065	-0.0333	-0.0059	0.0041	0.0000	0.0074	-0.0444	-0.0070	-0.0083	0.0000	-0.0522	0.0000	0.0000	0.0000	0.0000	
Toll 4.16KV	0.0000	-0.0025	-0.0016	0.0003	0.0004	0.0000	-0.0028	-0.0016	0.0004	0.0000	0.0000	-0.0028	-0.0016	0.0003	0.0000	-0.0035	-0.0016	0.0001	0.0000	0.0000	-0.0040	0.0005	0.0006	0.0000	0.0000	
Tollhouse 4.16KV	0.0000	-0.0001	-0.0002	0.0000	0.0000	0.0000	-0.0001	-0.0002	0.0000	0.0003	0.0000	-0.0001	-0.0002	0.0000	0.0000	-0.0004	0.0000	0.0001	0.0000	0.0001	-0.0002	0.0000	0.0000	0.0000	0.0000	
Toltic 12KV	0.0043	-0.0441	-0.0390	0.0014	0.0040	0.0032	-0.0425	-0.0374	0.0017	-0.0058	0.0059	-0.0402	-0.0365	0.0015	0.0007	0.0067	-0.0433	-0.0382	0.0006	-0.027	0.0142	-0.0450	-0.0354	0.0028	-0.0009	0.0000
Tolton 12KV	0.0412	-0.0277	-0.0442	0.0006	0.0074	0.0305	-0.0309	-0.0442	0.0007	-0.0005	0.0558	-0.0336	-0.0447	0.0008	-0.0003	0.0641	-0.0349	-0.0450	0.0002	0.0000	0.1355	-0.0368	-0.0418	0.0011	0.0000	
Tomahawk 12KV	0.1862	-0.1013	-0.0461	0.0007	0.0069	0.0138	-0.1035	-0.0430	0.0009	0.0006	0.0252	-0.0998	-0.0409	0.0010	-0.0024	0.0289	-0.1213	-0.0437	0.0002	-0.0022	0.0612	-0.1350	-0.0407	0.0014	-0.0018	0.0000
Tomcat 12KV	0.0168	-0.0981	-0.0285	0.0018	0.0000	0.0125	-0.0930	-0.0184	0.0022	0.0000	0.0228	-0.0861	-0.0097	0.0017	0.0000	0.0262	-0.1113	-0.0174	-0.0014	0.0000	0.0553	-0.1341	-0.0172	0.0029	0.0000	0.0000
Tommy 12KV	0.0557	-0.0691	-0.0273	0.0066	0.0020	0.0413	-0.0679	-0.0216	0.0075	-0.0037	0.0754	-0.0655	-0.0169	0.0053	-0.0010	0.0867	-0.0864	-0.0214	-0.0006	-0.0022	0.1833	-0.1063	-0.0204	0.0116	-0.0004	0.0000
Tonic 12KV	0.0202	-0.0399	-0.0714	0.0003	-0.0046	0.0150	-0.0446	-0.0733	0.0003	-0.0002	0.0272	-0.0484	-0.0760	0.0004	-0.0002	0.0314	-0.0504	-0.0758	0.0001	0.0000	0.0664	-0.0531	-0.0096	0.0005	0.0000	0.0000
Tonner 12KV	0.0084	-0.0525	-0.0279	0.0034	0.0053	0.0062	-0.0518	-0.0246	0.0041	-0.0020	0.0113	-0.0500	-0.0220	0.0035	-0.0008	0.0130	-0.0637	-0.0248	0.0014	-0.0004	0.0275	-0.0766	-0.0233	0.0065	0.0000	-0.0013
Tonto 12KV	0.0477	-0.1062	-0.0217	0.0071	0.0000	0.0354	-0.1032	-0.0136	0.0079	0.0000	0.0646	-0.0978	-0.0067	0.0052	0.0000	0.0743	-0.1328	-0.0128	-0.0105	0.0000	0.1570	-0.1663	-0.0128	0.0099	0.0000	0.0000
Tool 12KV	0.0270	-0.0470	-0.0394	0.0002	0.0061	0.0200	-0.0533	-0.0385	0.0003	0.0036	0.0652	-0.0380	-0.0004	0.0040	0.0010	0.0420	-0.1113	-0.0384	0.0010	-0.0009	0.0889	-0.0853	0.0064	0.0007	0.0000	0.0000
Topeka 4.16KV	0.0008	-0.0151	-0.0064	0.0013	0.0000	0.0006	-0.0156	-0.0037	0.0016	0.0000	0.0011	-0.0162	-0.0014	0.0012	0.0000	0.0241	-0.0305	0.0010	0.0000	0.0026	-0.0334	0.0005	0.0022	0.0000	0.0000	
Topo 16KV	0.0459	-0.0231	-0.0031	0.0001	0.0000	0.0050	-0.0500	-0.0031	0.0001	0.0000	0.0460	-0.0500	-0.0031	0.0001	0.0000	0.0530	-0.1339	-0.0031	-0.0023	0.0000	0.1339	-0.1795	-0.0218	0.0034	-0.0023	0.0000
Torch 12KV	0.0300	-0.0764	-0.0377	0.0019	0.0023	0.0023	-0.0850	-0.0231	0.0001	0.0000	0.0496	-0.0850	-0.0041	0.0015	0.0005	0.0467	-0.1339	-0.0031	-0.0023	0.0000	0.0940	-0.1795	-0.0218	0.0034	-0.0023	0.0000
Torino 12KV	0.0372	-0.0765	-0.0338	0.0075	0.0019	0.0248	-0.0628	-0.0277	0.0051	0.0000	0.0281	-0.0492	-0.0228	0.0079	0.0015	0.0324	-0.1500	-0.0077	0.0032	0.0000	0.0684	-0.1473	-0.0262	0.0146	-0.0004	0.0000
Tornado 12KV	0.0061	-0.1110	-0.0183	0.0129	0.0000	0.0405	-0.1075	-0.0119	0.0145	-0.0001	0.0082	-0.0988	-0.0064	0.0094	-0.0011	0.0094	-0.1280	-0.0113	-0.0121	0.0013	0.0199	-0.1496	-0.0111	0.0196	-0.0009	0.0000
Toronto 12KV	0.0000	-0.0065	-0.0051	0.0032	0.0000	0.0065	-0.0039	0.0036	0.0000	0.0000	0.0065	-0.0029	0.0024	0.0000	0.0000	0.0079	-0.0038	0.0030	0.0000	0.0000	0.0085	-0.0037	0.0049	0.0000	0.0000	0.0000
Torpedo 12KV	0.1619	-0.0399	-0.0201	0.0023	0.0000	0.0315	-0.0422	-0.0145	0.0028	0.0000	0.0574	-0.0443	-0.0097	0.0021	0.0000	0.0660	-0.0596	-0.0138	0.0017	0.0000	0.1396	-0.0777	-0.0137	0.0037	0.0000	0.0000
Torrent 12KV	0.0061	-0.1227	-0.0168	0.0115	0.0000	0.0045	-0.1191	-0.0100	0.0129	0.0000	0.0082	-0.1096	-0.0041	0.0085	0.0000	0.0094	-0.1429	-0.0093	-0.0171	0.0000	0.0199	-0.1677	-0.0093	0.0160	0.0000	0.0000
Torson Peak 33KV	0.0190	0.0000	0.0000	0.0010	0.0000	0.0141	0.0000	0.0000	0.0011	0.0000	0.0257	0.0000	0.0000	0.0000	0.0000	0.0296	0.0000	0.0000	0.0000	0.0000	0.0325	0.0000	0.0000	0.0015	0.0000	
Torson 16KV	0.0375	-0.0802	-0.1209	0.0004	0.0013	0.0278	-0.0895	-0.1229	0.0005	0.0005	0.0508	-0.0969	-0.1263	0.0007	-0.0005	0.0584	-0.1022	-0.1256	0.0017	0.0000	0.1234	-0.1092	-0.1165	0.0012	0.0000	0.0000
Tortuga 12KV	0.0335	-0.0362	-0.0452	0.0020	-0.0038	0.0249	-0.0352	-0.0406	0.0024	-0.0013	0.0419	-0.0342	-0.0372	0.0021	-0.0015	0.0482	-0.1339	-0.0041	-0.0062	0.0046	-0.0391	-0.0384	0.0039	0.0000	0.0000	
Touchdown 12KV	0.0081	-0.0559	-0.0479	0.0017	0.0050	0.0060	-0.0606	-0.0471	0.0020	0.0000	0.0110	-0.0620	-0.0472	0.0017	-0.0083	0.0126	-0.0738	-0.0485	0.0004	-0.0027	0.0820	-0.0447	-0.0032	0.0009	0.0000	0.0000
Tourmaline 4.16KV	0.0035	-0.0149	-0.0065	0.0075	0.0000	0.0026	-0.0157	-0.0038	0.0085	0.0000	0.0048	-0.0159	-0.0015	0.0059	0.0000	0.0055	-0.0229	-0.0036	-0.0138	0.0000	0.0116	-0.0303	-0.0036	0.0099	0.0000	0.0000
Tourney 12KV	0.1738	-0.0870	-0.0429	0.0058	0.0024	0.1290	-0.0832	-0.0386	0.0065	-0.0011	0.0669	-0.0766	-0.0351	0.0046	-0.0011	0.0881	-0.1376	-0.0005	0.0016	0.0820	-0.1063	-0.0101	0.0000	0.0000	0.0000	
Tower 4.16KV	0.0150	-0.0136	-0.0045	0.0017	0.0003	0.0112	-0.0137	-0.0028	0.0019	0.0000	0.0204	-0.0134	-0.0016	0.0012	-0.0017	0.0234	-0.1888	-0.0207	-0.0016	0.0013	0.0495	-0.2026	-0.0026	0.0004	-0.0004	0.0000
Townhall 33KV	5.7617	-0.0004	0.0002	0.0018	0.0000	4.1784	-0.0005	0.0002	0.0014	0.0000	0.1260	-0.0005	0.0000	0.0000	0.0000	0.1207	-0.0005	0.0000	0.0000	0.0000	0.2551	-0.0006	0.0001	0.0001	0.0000	0.0000
Towngate 16KV	0.0244	-0.0674	-0.0206	0.0102	0.0023	0.0181	-0.0653	-0.0148	0.0115	0.0000	0.0330	-0.0602	-0.0098	0.0074	0.0000	0.0380	-0.0769	-0.0143	0.0008	0.0180	0.0803	-0.0892	-0.0139	0.0155	-0.0040	0.0000
Township 16KV	0.0073	-0.1004	-0.0411	0.0011	0.0000	0.0054	-0.0749	-0.0208	0.0032	0.0000	0.0311	-0.0749	-0.0219	0.0004	-0.0059	0.0124	-0.0343	-0.0071	0.0007	0.0181	-0.0242	-0.0131	0.0130	-0.0027	0.0000	
Townsite 24KV	0.0000	-0.0003	-0.0016	0.0013	0.0000	0.0026	-0.0056	-0.0045	0.0005	0.0000	0.0026	-0.0056	-0.0045	0.0005	0.0000	0.0000	0.0206	-0.0005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Towt 4.16KV	0.0000	-0.0256	-0.0051	0.0001	0.0000	0.0208	-0.0040	0.0001	0.0007	0.0000	0.0161	-0.0108	-0.0022	0.0000	0.0000	0.0173	-0.0040	0.0000	0.0000	0.0169	-0.0169	-0.0090	0.0001	0.0000	0.0000	
Toyon 12KV	0.1445	-0.0660	-0.0100	0.0008	0.0014	0.0160	-0.0667	-0.0099	0.0009	0.0001	0.0293	-0.0650	-0.0001	0.0000	0.0000	0.0160	-0.0600	-0.0001	0.0000	0.0711	-0.0690	-0.0094	0.0015	0.0000	0.0000	
Trabuco 12KV	0.0140	-0.0383	-0.0173	0.0070	0.0000	0.0104	-0.0357	-0.0116	0.0005	0.0000	0.0104	-0.0357	-0.0116	0.0005	0.0000	0.0129	-0.0516	-0.0108	-0.0016	0.0099	-0.1264					

Facility	2018						2019						2020						2021					
	je Demand (MW)	PV (MW) ¹³	EE (MW) ¹³	EV (MW) ¹³	LMDR (MW) ¹³	je Demand (MW)	PV (MW) ¹³	EE (MW) ¹³	EV (MW) ¹³	LMDR (MW) ¹³	je Demand (MW)	PV (MW) ²¹	EE (MW) ²¹	EV (MW) ²¹	LMDR (MW) ²¹	je Demand (MW)	PV (MW) ²²	EE (MW) ²²	EV (MW) ²²	LMDR (MW) ²²				
Tuition 12kV	0.9166	-0.0897	-0.0392	0.0038	0.0048	-0.0233	-0.0880	-0.0354	0.0034	-0.0011	-0.0236	0.0030	0.0004	0.0259	-0.0920	-0.0359	0.0011	0.0008	0.0547	-0.0958	-0.0335	0.0054		
Tulane 14.1kV	0.0060	-0.0280	-0.0075	0.0010	0.0008	-0.0044	-0.0263	-0.0058	0.0012	-0.0003	-0.0061	-0.0260	-0.0043	0.0011	-0.0005	0.0093	-0.0391	-0.0016	0.0196	-0.0512	-0.0054	0.0020		
Tulip 12kV	0.0056	-0.1206	-0.0288	0.0104	0.0023	0.0041	-0.1311	-0.0215	0.0117	-0.0010	0.0076	-0.1205	-0.0154	0.0076	-0.0013	0.0087	-0.1498	-0.0211	-0.0098	0.0004	0.0184	-0.1661	-0.0202	
Tulip 12kV	0.0182	-0.0858	-0.0167	0.0058	0.0004	0.0135	-0.0857	-0.0118	0.0066	-0.0003	0.0246	-0.0821	-0.0075	0.0046	-0.0015	0.0283	-0.1070	-0.0111	-0.0005	0.0558	-0.1277	-0.0113	0.0301	
Tulsa 12kV	0.0048	-0.0840	-0.0354	0.0085	0.0000	0.0036	-0.0893	-0.0207	0.0096	0.0000	0.0065	-0.0908	-0.0271	0.0063	0.0000	0.0075	-0.1186	-0.0309	-0.0127	0.0000	0.0158	-0.1426	-0.0290	
Tumblerweed 2.4kV	0.0000	-0.0003	-0.0095	0.0003	0.0000	0.0000	-0.0003	-0.0004	0.0004	0.0000	0.0000	-0.0004	-0.0003	0.0000	0.0000	-0.0004	-0.0006	0.0000	0.0000	-0.0004	-0.0004	0.0000		
Tuna 16kV	1.5233	-0.0350	-0.0313	0.0021	-0.0024	0.2167	-0.0374	-0.0300	0.0024	-0.0004	0.1129	-0.0384	-0.0295	0.0017	-0.0005	0.1298	-0.0463	-0.0308	-0.0002	0.0000	0.2744	-0.0537	-0.0285	
Tundra 12kV	0.0299	-0.0626	-0.0176	0.0053	0.0006	0.0222	-0.0642	-0.0136	0.0060	-0.0021	0.0405	-0.0637	-0.0103	0.0042	-0.0008	0.0465	-0.0888	-0.0134	-0.0005	0.0984	-0.1136	-0.0128	0.0093	
Tungsten 12kV	7.8386	-0.0148	-0.0243	0.0025	0.0021	0.0064	-0.0170	-0.0202	0.0028	0.0012	0.0117	-0.0182	-0.0168	0.0020	-0.0015	0.0135	-0.0229	-0.0202	-0.0002	0.0013	-7.3261	-0.0274	-0.0191	0.0043
Tunnel 12kV	2.0000	-0.1479	-0.0438	0.0093	0.0030	0.0398	-0.1449	-0.0380	0.0105	-0.0001	0.0277	-0.1345	-0.0334	0.0068	0.0002	0.0836	-0.1657	-0.0382	-0.0088	0.0000	0.1766	-0.1862	-0.0359	0.0142
Tupelo 12kV	0.0357	-0.0439	-0.0173	0.0047	0.0019	0.0245	-0.0437	-0.0144	0.0053	-0.0004	0.0446	-0.0424	-0.0121	0.0037	-0.0015	0.0513	-0.0564	-0.0144	-0.0004	0.0108	-0.1074	-0.0136	0.0082	
Turbine 12kV	0.0536	-0.0742	-0.0310	0.0016	0.0038	-0.0746	-0.0266	0.0018	-0.0005	0.0277	-0.0734	-0.0231	0.0012	-0.0019	0.0836	-0.0948	-0.0267	-0.0015	0.0176	-0.1162	-0.0253	0.0025	-0.0044	
Turf 4.1kV	0.0152	-0.0089	-0.0050	0.0009	0.0009	0.0112	-0.0091	0.0045	0.0011	0.0004	0.0205	-0.0091	-0.0041	0.0009	-0.0006	0.0236	-0.0120	-0.0046	0.0004	0.0499	-0.0151	-0.0043	0.0017	
Turkey 12kV	0.0275	-0.0318	-0.0081	0.0025	0.0000	0.0204	-0.0305	-0.0051	0.0028	0.0000	0.0373	-0.0286	-0.0025	0.0019	0.0000	0.0429	-0.0382	-0.0048	0.0000	0.0906	-0.0468	-0.0048	0.0032	
Turner 12kV	0.0171	-0.1141	-0.0289	0.0016	-0.0009	0.0127	-0.1107	-0.0202	0.0020	-0.0005	0.0231	-0.1026	-0.0129	0.0023	-0.0004	0.0266	-0.1347	-0.0195	0.0005	-0.0013	0.0562	-0.1609	-0.0190	0.0031
Turnbull 12kV	0.0238	-0.0624	-0.0391	0.0046	0.0068	-0.0176	-0.0650	-0.0364	0.0052	-0.0021	0.0322	-0.0663	-0.0346	0.0037	-0.0008	0.0370	-0.0855	-0.0369	-0.0004	-0.0022	0.0782	-0.1066	-0.0345	0.0080
Turner 12kV	0.0242	-0.0564	-0.0354	0.0002	0.0032	0.0180	-0.0561	-0.0321	0.0003	0.0008	0.0328	-0.0545	-0.0294	0.0002	-0.0029	0.0378	-0.0635	-0.0317	0.0001	-0.0004	0.0798	-0.1071	-0.0302	0.0004
Tunout 12kV	1.9536	-0.0401	-0.0569	0.0005	0.0088	0.1063	-0.0437	-0.0577	0.0006	-0.0005	0.0277	-0.0539	-0.0053	0.0005	0.0001	0.0836	-0.1657	-0.0382	-0.0088	0.0000	0.1766	-0.1862	-0.0359	0.0142
Turpikle 16kV	0.0112	-0.1013	-0.0650	0.0034	0.0069	0.0083	-0.0979	0.0056	0.0043	-0.0033	0.0152	-0.0899	-0.0594	0.0051	-0.0059	0.0175	-0.0991	-0.0629	0.0010	0.0000	0.3691	-0.1020	-0.0584	0.0068
Turntable 12kV	0.4265	-0.0628	-0.0604	0.0004	0.0002	0.0031	-0.0680	-0.0596	0.0005	-0.0010	0.0056	-0.0706	-0.0599	0.0006	-0.0006	0.0065	-0.0846	-0.0613	0.0001	-0.0014	0.0371	-0.0962	-0.0056	0.0008
Turtle 12kV	0.0483	-0.1647	-0.0343	0.0250	0.0011	0.0483	-0.1787	-0.0258	0.0026	0.0016	0.0483	-0.1815	-0.0187	0.0013	-0.0023	0.0060	-0.2501	-0.0253	-0.0236	0.0004	0.0606	-0.3027	-0.0243	0.0382
Tulon 12kV	0.0477	-0.0844	-0.0262	0.0077	0.0000	0.0354	-0.0819	-0.0136	0.0066	0.0000	0.0646	-0.0756	-0.0079	0.0057	0.0000	0.0743	-0.1003	-0.0130	-0.0014	0.0000	0.1570	-0.1224	-0.0127	0.0107
Wahn 4.1kV	0.0000	-0.0001	-0.0001	0.0000	0.0000	0.0000	-0.0001	-0.0001	0.0000	0.0000	0.0000	-0.0001	-0.0001	0.0000	0.0000	0.0000	-0.0001	-0.0001	0.0000	0.0000	0.0000	-0.0001	0.0000	
Wain 4.1kV	0.0038	-0.0409	-0.0051	0.0005	0.0000	0.0028	-0.0463	-0.0031	0.0006	0.0000	0.0051	-0.0485	-0.0014	0.0004	0.0000	0.0059	-0.0700	-0.0029	0.0000	0.0000	0.0125	-0.0874	-0.0023	0.0007
Twenty 5x5 14.1kV	0.0051	-0.0059	0.0091	0.0009	0.0005	0.0038	-0.0066	0.0000	0.0011	0.0001	0.0070	-0.0071	0.0001	0.0016	0.0001	0.0080	-0.0079	0.0093	0.0003	0.0000	0.0169	-0.0806	0.0027	0.0004
Twenty Butte 12kV	0.0324	-0.0233	-0.0106	0.0013	0.0280	0.0240	-0.0249	-0.0097	0.0016	0.0008	0.0429	-0.0259	-0.0089	0.0022	0.0101	0.0505	-0.0283	-0.0013	0.0003	0.0242	-0.1527	-0.0150	0.0171	0.0000
Twin Lakes 16kV	0.0073	-0.1082	-0.0239	0.0123	0.0000	0.0054	-0.1030	-0.0160	0.0138	0.0000	0.0099	-0.0953	-0.0093	0.0001	0.0000	0.0114	-0.1250	-0.0153	-0.0183	0.0000	0.0242	-0.1527	-0.0150	0.0171
Twin Peaks 33kV	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		
Twinning 16kV	0.0359	-0.0450	-0.0590	0.0004	0.0000	0.0261	-0.0401	-0.0300	0.0000	-0.0005	0.0300	-0.0450	-0.0313	0.0000	-0.0005	0.0370	-0.0454	-0.0305	0.0000	0.0183	-0.0599	-0.0262	0.0007	0.0000
Twyder 12kV	0.0000	-0.0277	-0.0067	0.0011	0.0000	0.0332	-0.0332	-0.0046	0.0000	0.0000	0.0377	-0.0329	-0.0045	0.0010	0.0000	0.0377	-0.0587	-0.0382	0.0000	0.0000	0.0809	-0.1044	-0.0334	0.0017
Typhoon 12kV	0.0648	-0.1529	-0.0404	0.0140	0.0015	0.0045	-0.1501	-0.0343	0.0157	0.0002	0.0082	-0.1406	-0.0295	0.0102	-0.0023	0.0094	-0.1779	-0.0345	-0.0132	0.0004	0.0199	-0.2058	-0.0324	0.0213
Ulmer 12kV	0.0000	-0.0223	-0.0066	0.0001	0.0000	0.0221	-0.0021	0.0000	0.0000	0.0000	0.0221	-0.0047	0.0000	0.0000	0.0000	0.0123	-0.0209	-0.0047	0.0000	0.0287	-0.0385	-0.0046	0.0006	
Uranium 12kV	0.0126	-0.0499	-0.0059	0.0000	0.0000	0.0263	-0.0372	-0.0019	0.0011	0.0000	0.0213	-0.0381	-0.0045	0.0000	0.0000	0.0305	-0.0305	-0.0141	0.0000	0.0287	-0.0385	-0.0046	0.0006	
Urs 33kV	0.0000	0.0000	0.0000	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0025	-0.0255	-0.0213	0.0010	0.0000	0.0317	-0.0315	-0.0166	0.0000	0.0545	-0.0330	-0.0117	0.0016	
Utah 12kV	0.0058	-0.0423	-0.0141	0.0017	0.0009	0.0123	-0.0374	-0.0124	0.0024	0.0000	0.0255	-0.0313	-0.0110	0.0013	0.0000	0.0309	-0.0317	-0.0166	0.0000	0.0604	-0.0300	-0.0117	0.0016	
Utopia 12kV	0.0165	-0.0423	-0.0141	0.0017	0.0009	0.0123	-0.0374	-0.0124	0.0024	0.0000	0.0255	-0.0313	-0.0110	0.0013	0.0000	0.0309	-0.0317	-0.0166	0.0000	0.0604	-0.0300	-0.0117	0.0016	
Uvalde 12kV	0.0152	-0.0411	-0.0293	0.0026	0.0091	0.0119	-0.0436	-0.0272	0.0029	0.0011	0.0217	-0.0424	-0.0257	0.0021	-0.0004	0.0250	-0.0496	-0.0275	0.0000	0.0528	-0.0358	-0.0162	0.0006	
Val Verde 12kV	0.0073	-0.0409	-0.0270	0.0004	-0.0034	0.0054	-0.0559	-0.0370	0.0005	-0.0001	0.0890	-0.0607	-0.0247	0.0007	-0.0007	0.0490	-0.0631	-0.0242	0.0001	0.0378	-0.0565	-0.0163	0.0013	
Valente 12kV	0.1557	-0.0369	-0.0333	0.0005	0.0000	0.0321	-0.0412	-0.0339	0.0006	0.0000	0.0330	-0.0447	-0.0347	0.0009	0.0000	0.0379	-0.0465	-0.0347	0.0000	0.0401	-0.0491	-0.0327	0.0012	
Valent 12kV	0.0058	-0.0926	-0.0232	0.0143	0.0000	0.0045	-0.0921	-0.0173	0.0161	0.0000	0.0269	-0.0362	-0.0144	0.0030	-0.0007	0.0089	-0.1207	-0.0169	0.0023	0.0018	0.1999	-0.1524	-0.0162	0.0199
Valinda 12kV	0.0432	-0.0620	-0.0289	0.0034	0.0041	0.0320	-0.0644	-0.0236	0.0038	-0.0003	0.0236	-0.0604	-0.0227	0.0022	-0.0013	0.0673	-0.0868	-0.0235	-0.0005	-0.0188	0.1422	-0.1076	-0.0222	0.0059
Valleco 12kV	0.0222	-0.1409	-0.04																					

Facility	2018					2019					2020					2021					2022				
	EE Demand (MW)	PV (MW) ^{1a}	EE (MW) ^{1b}	EV (MW) ^{1b}	LMDR (MW) ^{1b}	EE Demand (MW)	PV (MW) ^{1b}	EE (MW) ^{1b}	EV (MW) ^{1b}	LMDR (MW) ^{1b}	EE Demand (MW)	PV (MW) ^{2b}	EE (MW) ^{2b}	EV (MW) ^{2b}	LMDR (MW) ^{2b}	EE Demand (MW)	PV (MW) ^{2b}	EE (MW) ^{2b}	EV (MW) ^{2b}	LMDR (MW) ^{2b}	EE (MW) ^{2b}	EV (MW) ^{2b}	LMDR (MW) ^{2b}		
Verdi 12kV	0.0182	-0.1278	-0.0220	0.0061	-0.0012	0.0135	-0.1267	-0.0151	0.0069	-0.0015	0.0246	-0.1197	-0.0092	0.0049	-0.0001	0.0283	-0.1584	-0.0145	-0.0040	0.0598	-0.1895	-0.0142	0.0106	-0.0022	
Verdugo 16kV	0.0584	-0.1762	-0.0371	0.0415	0.0029	0.0434	-0.1884	-0.0284	0.0471	-0.0012	0.0792	-0.1889	-0.0211	0.0332	-0.0011	0.0910	-0.2664	-0.0279	-0.0037	-0.0031	0.1924	-0.3377	-0.0268	0.0725	-0.0027
Verdun 4.16kV	0.0039	-0.394	-0.0055	0.0036	0.0000	0.0029	-0.0431	-0.0032	0.0044	0.0000	0.0052	-0.0432	-0.0013	0.0033	0.0000	0.0060	-0.0595	-0.0030	-0.0027	0.0000	0.0127	-0.0707	-0.0030	0.0058	0.0000
Vermont 12kV	0.0052	-0.0590	-0.0196	0.0071	0.0036	0.0038	-0.0574	-0.0153	0.0081	-0.0005	0.0070	-0.0543	-0.0117	0.0052	-0.0015	0.0081	-0.0711	-0.0151	-0.0067	-0.0004	0.0170	-0.0866	-0.0144	0.0109	0.0000
Verona 4.16kV	0.0000	-0.0144	-0.0068	0.0004	0.0000	0.0000	-0.0172	-0.0057	0.0005	0.0000	0.0000	-0.0196	-0.0048	0.0004	0.0000	0.0000	-0.0282	-0.0057	-0.0003	0.0000	0.0000	-0.0384	-0.0054	0.0007	0.0000
Veterans 16kV	0.0580	-0.0698	-0.0334	0.0114	0.0041	0.0430	-0.1042	-0.0293	0.0129	-0.0020	0.0786	-0.1048	-0.0261	0.0091	-0.0011	0.0904	-0.1401	-0.0294	-0.0010	-0.0013	0.1910	-0.1673	-0.0277	0.0198	-0.0018
Via Huerto 4.16kV	0.0000	-0.029	-0.010	0.0022	0.0000	0.0000	-0.0026	-0.0006	0.0025	0.0000	0.0000	-0.0022	-0.0002	0.0017	0.0000	0.0000	-0.0026	-0.0005	-0.0033	0.0000	0.0000	-0.0027	-0.0005	0.0031	0.0000
Via Norte 12kV	0.0146	-0.0446	-0.0803	0.0007	0.0163	0.0109	-0.0499	-0.0824	0.0008	-0.0019	0.0198	-0.0542	-0.0855	0.0011	0.0008	0.0228	-0.0564	-0.0852	0.0027	0.0000	0.0482	-0.0594	-0.0783	0.0020	0.0000
Viaduct 4.16kV	0.0027	-0.0132	-0.0040	0.0003	0.0000	0.0020	-0.0157	-0.0027	0.0004	0.0000	0.0037	-0.0176	-0.0016	0.0003	0.0000	0.0042	-0.0266	-0.0026	-0.0003	0.0000	0.0089	-0.0358	-0.0025	0.0006	0.0000
Viaverde 12kV	0.3500	-0.0644	-0.0188	0.0123	0.0001	0.0000	-0.0659	-0.0128	0.0139	-0.0007	0.0090	-0.0019	0.0000	0.0000	0.0000	-0.0657	-0.0078	0.0000	-0.0116	-0.0022	0.0000	-0.1191	-0.0120	0.0188	-0.0022
Vicasa 16kV	0.0255	-0.1777	-0.0379	0.0141	0.0029	0.0190	-0.1720	-0.0262	0.0160	-0.0022	0.0346	-0.1557	-0.0200	0.0113	-0.0016	0.0398	-0.2007	-0.0276	-0.0013	0.0018	0.0841	-0.2332	-0.0265	0.0247	-0.0022
Vicentia 12kV	0.0471	-0.0469	-0.0517	0.0008	0.0000	0.0350	-0.0523	-0.0513	0.0010	0.0000	0.0638	-0.0567	-0.0511	0.0014	0.0000	0.0734	-0.0592	-0.0504	0.0023	0.0000	0.1551	-0.0626	-0.0481	0.0022	0.0000
Vicki 12kV	0.0091	-0.0384	-0.0316	0.0029	0.0051	0.0067	-0.0412	-0.0291	0.0033	-0.0034	0.0123	-0.0435	-0.0273	0.0021	0.0008	0.0141	-0.0556	-0.0296	-0.0027	0.0009	0.0298	-0.0699	-0.0276	0.0044	-0.0013
Video 16kV	0.0146	-0.0270	-0.0199	0.0060	0.0000	0.0108	-0.0289	-0.0162	0.0068	0.0198	-0.0296	-0.0171	0.0048	-0.0002	0.0228	-0.0382	-0.0186	-0.0005	0.0000	0.0481	-0.0173	0.0060	0.0000	0.0000	
Vienna 12kV	0.0052	-0.041	-0.014	0.0001	0.0000	0.0000	-0.044	-0.015	0.0001	0.0000	0.0056	-0.0448	-0.0161	0.0001	0.0000	0.0242	-0.0477	-0.0161	-0.0004	0.0000	0.0511	-0.0624	-0.0201	0.0001	-0.0001
Vienna 4.16kV	0.0027	-0.0693	-0.0059	0.0042	0.0009	0.0026	-0.0655	-0.0035	0.0048	-0.0008	0.0037	-0.0255	-0.0013	0.0034	0.0000	0.0042	-0.0026	-0.0004	0.0000	0.0089	-0.0465	-0.0032	0.0073	-0.0000	
Villa A 16kV	0.0007	-0.180	-0.072	0.0088	0.0000	0.0186	-0.182	-0.0402	0.0100	0.0000	0.0009	-0.186	-0.0015	0.0069	0.0000	0.0111	-0.0273	-0.0038	0.0000	0.0033	0.0366	-0.0389	0.0115	0.0000	0.0000
Village 4.16kV	0.0146	-0.0167	-0.0031	0.0111	0.0000	0.0108	-0.0174	-0.0019	0.0012	-0.0002	0.0217	-0.0166	-0.0010	0.0008	-0.0013	0.0250	-0.0217	-0.0018	-0.0010	0.0004	0.0538	-0.0244	0.0018	-0.0009	
Vimini 12kV	0.2591	-0.0283	-0.0174	0.0023	0.0006	0.3004	-0.0254	-0.0121	0.0026	-0.0027	0.3620	-0.0230	-0.0075	0.0018	-0.0012	0.162	-0.0254	-0.0118	-0.0004	0.049	1.7568	-0.0267	0.0115	0.0039	0.0000
Vine 12kV	0.0146	-0.0349	-0.0219	0.0018	0.0020	0.0109	-0.0341	-0.0206	0.0030	-0.0005	0.0198	-0.0327	-0.0189	0.0014	-0.0016	0.0228	-0.0386	-0.0211	-0.0002	0.0004	0.0482	-0.0437	-0.0196	0.0031	0.0000
Vineyard 16kV	0.0136	-0.1491	-0.0539	0.0237	0.0000	0.1626	-0.1457	-0.0455	0.0265	0.0000	0.2968	-0.1399	-0.0387	0.0175	0.0000	0.3413	-0.1768	-0.0456	-0.0132	0.0217	0.0430	-0.0227	0.0100	0.0000	0.0000
Violet 4.16kV	0.0037	-0.0306	-0.0045	0.0037	0.0000	0.0027	-0.0349	-0.0026	0.0042	0.0000	0.0050	-0.0377	-0.0010	0.0028	0.0000	0.0058	-0.0578	-0.0024	-0.0068	0.0000	0.0122	-0.0777	-0.0025	0.0049	0.0000
Violin 12kV	0.1787	-0.0402	-0.0281	0.0101	0.0000	0.1614	-0.0425	-0.0264	0.0113	0.0000	0.0299	-0.0437	-0.0254	0.0075	0.0000	0.3344	-0.0527	-0.0270	-0.0150	0.0000	0.0276	-0.0623	-0.0250	0.0140	0.0000
Viper 12kV	1.9246	-0.0517	-0.0600	0.0012	0.0053	3.2034	-0.0559	-0.0591	0.0015	0.0003	0.0662	-0.0586	-0.0593	0.0021	-0.0004	0.0702	-0.0609	-0.049	-0.0040	0.0150	-0.0832	-0.0561	0.0036	0.0000	
Virgil 12kV	0.1484	-0.0229	-0.0091	0.0034	0.0186	0.0433	-0.0234	-0.0076	0.0038	-0.0057	0.0791	-0.0235	-0.0064	0.0205	-0.0057	0.0910	-0.2666	-0.0075	-0.0032	0.0004	0.1923	-0.0295	-0.0075	0.0051	-0.0009
Virgo 12kV	0.0041	-0.0467	-0.0222	0.0008	0.0000	0.0300	-0.0520	-0.0217	0.0008	-0.0000	0.0555	-0.0559	-0.0212	0.0200	0.0000	0.0663	-0.0595	-0.0208	0.0010	0.0000	0.1333	-0.0202	0.0018	0.0000	0.0000
Vise 12kV	0.0270	-0.0931	-0.0518	0.0003	0.0027	0.0200	-0.1054	-0.0478	0.0003	-0.0008	0.0366	-0.1148	-0.0445	0.0005	-0.0003	0.0420	-0.1545	-0.0466	0.0011	-0.0031	0.0889	-0.1972	-0.0448	0.0008	-0.0018
Vita 4.16kV	0.0041	-0.0431	-0.0073	0.0006	0.0000	0.0041	-0.0488	-0.0047	0.0008	-0.0000	0.0041	-0.0512	-0.0025	0.0006	-0.0001	0.0732	-0.0405	-0.0045	0.0000	0.0041	-0.0911	-0.0044	0.0100	0.0000	
Vitamin 12kV	0.0186	-0.0476	-0.0223	0.0000	0.0000	0.0025	-0.0456	-0.0200	0.0000	0.0000	0.0146	-0.0467	-0.0181	0.0000	0.0000	0.0262	-0.0426	-0.0182	0.0000	0.0000	0.0355	-0.0405	0.0044	0.0000	0.0000
Voyager 12kV	0.0046	-0.0301	-0.0459	0.0021	0.0000	0.0033	-0.0333	-0.0467	0.0024	-0.0004	0.0062	-0.0358	-0.0484	0.0017	-0.0004	0.0379	-0.0482	-0.0002	0.0004	0.0050	-0.0405	0.0043	-0.0004	0.0000	
Vulcan 33kV	0.0003	-0.0000	0.0000	0.0000	0.0000	0.0000	-0.0286	-0.0044	0.0011	-0.0064	0.0000	-0.0238	-0.0033	0.0010	-0.0012	0.0000	-0.0547	-0.0042	0.0000	0.0000	0.0000	-0.0789	-0.0041	0.0038	-0.0004
Vultate 12kV	0.0094	-0.0223	-0.0095	0.0039	0.0000	0.0036	-0.0247	-0.0025	0.0038	-0.0009	0.0028	-0.0245	-0.0025	0.0011	-0.0012	0.0000	-0.0547	-0.0025	0.0000	0.0000	0.0000	-0.0688	-0.0023	0.0044	0.0000
Vultee 16kV	0.0251	-0.063	-0.0541	0.012	0.0045	0.0155	-0.0747	-0.0649	0.0015	-0.0013	0.0264	-0.0819	-0.0658	0.0018	-0.0028	0.0326	-0.1088	-0.0523	0.0004	0.0099	0.0690	-0.1339	-0.0577	0.0024	-0.0009
Vulcan 12kV	0.0049	-0.0642	-0.0189	0.0043	0.0054	0.0036	-0.0699	-0.0169	0.0016	-0.0012	0.0223	-0.0704	-0.0600	0.0027	-0.0013	0.0272	-0.1670	-0.0575	0.0004	0.0099	0.0658	-0.1521	-0.0555	0.0024	-0.0004
Vulgar 16kV	0.0047	-0.0333	-0.0426	0.0027	0.0000	0.0052	-0.0352	-0.0426	0.0024	-0.0016	0.0116	-0.0722	-0.0670	0.0027	-0.0013	0.0213	-0.1732	-0.0620	0.0004	0.0099	0.0656	-0.1566	-0.0555	0.0024	-0.0004
Vulgarve 16kV																									

Facility	2018				2019				2020				2021				2022				
	ee Demand (MW)	PV (MW) ^{1x}	EE (MW) ^{1x}	EV (MW) ^{1x}	LMDR (MW) ^{1x}	ee Demand (MW)	PV (MW) ^{1x}	EE (MW) ^{1x}	EV (MW) ^{1x}	LMDR (MW) ^{1x}	ee Demand (MW)	PV (MW) ^{2x}	EE (MW) ^{2x}	EV (MW) ^{2x}	LMDR (MW) ^{2x}	ee Demand (MW)	PV (MW) ^{2x}	EE (MW) ^{2x}	EV (MW) ^{2x}	LMDR (MW) ^{2x}	
Welcome 4.8kV	0.0000	-0.0071	-0.0038	0.0004	-0.0009	0.0000	-0.0050	-0.0022	0.0004	-0.0004	0.0000	-0.0050	-0.0009	0.0003	0.0000	-0.0059	-0.0020	0.0000	-0.0009	-0.0065	
Wells 12kV	4.1373	-0.0542	-0.0216	0.0017	0.0115	0.0500	-0.0480	-0.0179	0.0019	-0.0026	0.0913	-0.0408	-0.0149	0.0012	0.0202	0.1049	-0.0435	-0.0178	-0.0016	-0.0022	0.2217
Wesley 4.16kV	0.0060	-0.0308	-0.0054	0.0032	0.0008	0.0044	-0.0285	-0.0037	0.0036	-0.0005	0.0081	-0.0237	-0.0023	0.0023	0.0001	0.0093	-0.0277	-0.0036	-0.0030	0.0000	0.0197
West City 4.16kV	0.0000	-0.0050	-0.0028	0.0000	0.0019	0.0000	-0.0049	-0.0027	0.0000	-0.0006	0.0000	-0.0047	-0.0026	0.0000	0.0002	0.0000	-0.0054	-0.0027	0.0000	0.0000	0.0058
Westbluff 12kV	0.0290	-0.0565	-0.0216	0.0055	0.0002	0.0215	-0.0545	-0.0168	0.0062	0.0006	0.0392	-0.0516	-0.0127	0.0044	-0.0005	0.0451	-0.0674	-0.0165	-0.0005	0.018	0.0954
Westbrook 12kV	0.0154	-0.0203	-0.0165	0.0014	0.0061	0.0114	-0.0192	-0.0143	0.0017	-0.0002	0.0208	-0.0180	-0.0125	0.0021	-0.0002	0.0239	-0.0203	-0.0142	0.0004	0.0506	-0.021
Westend 12kV	0.0000	-0.0007	-0.0001	0.0000	0.0000	0.0000	-0.0008	-0.0001	0.0000	-0.0000	0.0000	-0.0009	-0.0000	0.0000	0.0000	0.0000	-0.0013	-0.0001	0.0000	0.0000	0.0000
Western 16kV	0.0433	-0.160	-0.0202	0.0006	0.0052	0.0321	-0.0179	-0.0203	0.0008	0.0001	0.0587	-0.0194	-0.0205	0.0010	-0.0009	0.0675	-0.0203	0.0025	0.0000	0.1426	-0.0214
Westfall 4.16kV	0.0000	-0.0310	-0.0043	0.0041	0.0000	0.0000	-0.0281	-0.0026	0.0046	0.0000	0.0000	-0.0235	-0.0011	0.0036	0.0000	0.0000	-0.0270	-0.0024	-0.0061	0.0000	0.0000
Westfield 12kV	0.0300	-0.0337	-0.0566	0.0020	0.0049	0.0223	-0.0377	-0.0581	0.0022	-0.0010	0.0406	-0.0409	-0.0603	0.0016	0.0004	0.0467	-0.0426	-0.0602	-0.0002	0.0000	0.0987
Weston 12kV	0.3440	-0.181	-0.0690	0.0000	0.0000	0.0711	-0.0201	-0.0089	0.0000	0.0000	0.0772	-0.0217	-0.0088	0.0000	0.0000	0.0807	-0.0226	-0.0089	0.0001	0.0000	0.0853
Wetherby 4.16kV	0.0000	-0.0069	-0.0014	0.0013	0.0000	0.0000	-0.0079	-0.0011	0.0010	0.0000	0.0000	-0.0084	-0.0009	0.0030	0.0000	0.0110	-0.0013	0.0082	0.0000	0.0000	-0.0133
White 16kV	0.1946	-0.0339	-0.0370	0.0021	0.0106	0.1908	-0.0395	-0.0369	0.0025	-0.0012	0.0198	-0.0441	-0.0374	0.0022	0.0000	0.0228	-0.0573	-0.0380	0.0009	0.0000	0.0460
Wheny 12kV	0.0993	-0.0683	-0.0269	0.0013	0.0028	0.0932	-0.0646	-0.0213	0.0015	0.0015	0.0328	-0.054	-0.0167	0.0010	0.0010	0.0211	-0.073	-0.0193	0.0000	0.0000	0.0853
Whip 12kV	0.0000	-0.0088	-0.0021	0.0001	0.0000	0.0000	-0.0050	-0.0001	0.0001	0.0000	0.0000	-0.0050	-0.0001	0.0001	0.0000	0.0000	-0.0050	-0.0001	0.0000	0.0000	0.0000
Whippoorwill 12kV	0.0000	-0.0249	-0.0123	0.0114	0.0003	0.0000	-0.0249	-0.0082	0.0129	-0.0001	0.0000	-0.0243	-0.0048	0.0083	0.0000	0.0007	-0.0333	-0.0078	-0.0107	0.0000	0.0436
Whistler 12kV	0.0045	-0.0730	-0.0150	0.0144	0.0001	0.0033	-0.0771	-0.0089	0.0162	0.0004	0.0061	-0.0778	-0.0036	0.0105	0.0011	0.0070	-0.1123	-0.0082	-0.0135	0.0000	0.1455
Whisper 12kV	0.0412	-0.0455	-0.0483	0.0100	0.0000	0.0305	-0.0506	-0.0471	0.0014	0.0000	0.0558	-0.0548	-0.0463	0.0200	0.0000	0.0641	-0.0576	-0.0460	0.0004	0.0000	0.1355
Whitaker 12kV	0.0000	-0.0894	-0.0312	0.0061	0.0000	0.0084	-0.0194	-0.0069	0.0005	0.0000	0.0479	-0.0295	0.0045	0.0000	0.0000	0.0553	-0.0308	-0.0057	0.0000	0.0000	0.0863
White 4.16kV	0.0044	-0.0123	-0.0060	0.0005	0.0000	0.0033	-0.0128	-0.0034	0.0006	0.0000	0.0059	-0.0129	-0.0012	0.0004	0.0000	0.0068	-0.192	-0.0321	0.0000	0.0000	0.0265
Whinncriff 16kV	0.0027	-0.1491	-0.0230	0.0125	0.0030	0.0360	-0.1444	-0.0158	0.0141	0.0048	0.0657	-0.1326	-0.0097	0.0100	0.0000	0.0756	-0.152	-0.0152	-0.0013	0.0159	-0.1981
Whinhorn 12kV	0.0205	-0.0796	-0.0112	0.0016	0.0000	0.0152	-0.0790	-0.0069	0.0200	0.0000	0.0278	-0.0738	-0.0032	0.0015	0.0000	0.0319	-0.0941	-0.0065	0.0000	0.0000	0.0675
Whithorse 12kV	0.0217	-0.0405	-0.0552	0.0005	0.0010	0.0217	-0.0453	-0.0560	0.0006	0.0000	0.0272	-0.0492	-0.0573	0.0007	0.0000	0.0314	-0.0512	-0.0569	0.0000	0.0000	0.0564
Whitendale 12kV	0.0506	-0.0381	-0.0293	0.0111	0.0058	0.0375	-0.0360	-0.0269	0.0113	0.0000	0.0686	-0.0340	-0.0250	0.0012	0.0015	0.0788	-0.0380	-0.0271	0.0005	0.0018	0.1666
Whitseite 16kV	0.0467	-0.0318	-0.0110	0.0012	0.0000	0.0347	-0.0381	-0.0080	0.0014	0.0000	0.0633	-0.0436	-0.0054	0.0011	0.0000	0.0728	-0.0661	-0.0076	0.0000	0.0000	0.1539
Whiting 16kV	0.0149	-0.1112	-0.1938	0.0005	0.0000	0.0110	-0.1244	-0.1988	0.0006	0.0000	0.0202	-0.1351	-0.2061	0.0008	0.0000	0.2322	-0.1405	-0.2055	0.0013	0.0000	2.1090
Whitlock 4.16kV	0.0076	-0.0096	-0.0029	0.0003	0.0000	0.0056	-0.0100	-0.0020	0.0003	0.0001	0.0103	-0.0100	-0.0012	0.0002	0.0000	0.0118	-0.020	-0.0020	0.0000	0.0000	0.0249
Whitmore 16kV	0.2191	-0.0336	-0.0456	0.0017	0.0042	0.0065	-0.0369	-0.0451	0.0019	-0.0010	0.0119	-0.0395	-0.0454	0.0013	0.0003	0.0137	-0.0454	-0.0464	-0.0002	0.0004	0.0289
Whittsett 16kV	0.0355	-0.0132	-0.0084	0.0008	0.0000	0.0263	-0.0145	-0.0076	0.0009	0.0000	0.0480	-0.0154	-0.0071	0.0006	0.0000	0.0552	-0.0188	-0.0078	-0.0014	0.0000	0.1168
Whitworth 16kV	0.0090	-0.0140	-0.0240	0.0007	0.0005	0.0067	-0.0157	-0.0242	0.0009	0.0014	0.0122	-0.0170	-0.0248	0.0013	0.0004	0.0140	-0.0182	-0.0250	0.0030	0.0000	0.0295
Whizbin 16kV	0.0215	-0.0704	-0.0156	0.0032	0.0017	0.0159	-0.0675	-0.0120	0.0037	-0.0014	0.0291	-0.0617	-0.0090	0.0026	-0.0011	0.0334	-0.0778	-0.0118	-0.0003	0.0009	0.0707
Wichita 12kV	0.0048	-0.0471	-0.0270	0.0024	0.0039	0.0036	-0.0485	-0.0253	0.0027	0.0005	0.0065	-0.0488	-0.0241	0.0019	0.0000	0.0705	-0.1632	-0.0258	-0.0002	0.0004	0.158
Wigton 16kV	0.0181	-0.1059	-0.0329	0.0028	0.0100	0.0134	-0.1038	-0.0289	0.0033	-0.0028	0.0245	-0.0976	-0.0257	0.0029	-0.0010	0.0281	-0.1206	-0.0287	0.0012	-0.0027	0.0593
Wigwag 12kV	0.0042	-0.0873	-0.0198	0.0032	0.0000	0.0031	-0.0876	-0.0120	0.0036	0.0000	0.0056	-0.0857	-0.0054	0.0024	0.0000	0.0065	-0.1209	-0.0112	-0.0048	0.0000	0.0112
Wilbur 12kV	0.0787	-0.188	-0.0681	0.0016	0.0006	0.0584	-0.0995	-0.0333	0.0009	0.0000	0.0167	-0.0995	-0.0226	0.0004	0.0000	0.0806	-0.1562	-0.0251	-0.0003	0.0000	0.1667
Wilcox 16kV	0.0016	-0.1124	-0.0372	0.0041	0.0030	0.0592	-0.1096	-0.0311	0.0046	0.0005	0.018	-0.1016	-0.0261	0.0033	0.0005	0.0503	-0.1562	-0.0311	-0.0004	0.0000	0.2077
Wilford 12kV	0.0117	-0.0891	-0.0632	0.0088	0.0087	0.0387	-0.0992	-0.0591	0.0100	0.0018	0.0158	-0.1060	-0.0564	0.0070	-0.0013	0.1421	-0.0602	-0.0098	-0.0013	0.0085	-0.1795
Willets 12kV	0.0051	-0.0459	-0.0244	0.0058	0.0000	0.0308	-0.0479	-0.0171	0.0066	0.0000	0.0481	-0.0919	-0.0109	0.0046	0.0000	0.0808	-0.1666	-0.0165	-0.0107	0.0000	0.0867
William 12kV	0.0141	-0.0971	-0.0730	0.0026	0.0045	0.0105	-0.1054	-0.0716	0.0032	0.0019	0.0176	-0.1076	-0.0714	0.0028	-0.0025	0.0202	-0.1309	-0.0736	0.0011	-0.0004	0.0465
Willis 12kV	0.0242	-0.0621	-0.0350	0.0044	0.0093	0.0179	-0.0630	-0.0319	0.0050	-0.0017	0.0327	-0.0598	-0.0296	0.0035	-0.0008	0.0377	-0.0699	-0.0323	-0.0004	0.0133	0.0796
Willow 12kV	0.0216	-0.0140	-0.0162	0.0004	0.0013	0.0160	-0.0156	-0.0095	0.0005	-0.0001	0.0233	-0.0170	-0.0162	0.0005	0.0001	0.0336	-0.0177	-0.0099	0.0014	0.0000	0.0211
Willow Springs 12kV	0.0108	-0.0214	-0.0041	0.0007	0.0006	0.0080	-0.0095	-0.0033	0.												

Facility	2018					2019					2020					2021					2022				
	ee Demand (MW)	PV (MW) ^{1a}	EE (MW) ^{1b}	EV (MW) ^{1c}	LMDR (MW) ^{1d}	ee Demand (MW)	PV (MW) ^{1a}	EE (MW) ^{1b}	EV (MW) ^{1c}	LMDR (MW) ^{1d}	ee Demand (MW)	PV (MW) ^{2a}	EE (MW) ^{2b}	EV (MW) ^{2c}	LMDR (MW) ^{2d}	ee Demand (MW)	PV (MW) ²¹	EE (MW) ²¹	EV (MW) ²¹	LMDR (MW) ²¹	ee Demand (MW)	PV (MW) ²²	EE (MW) ²²	EV (MW) ²²	LMDR (MW) ²²
Woolley 4.16kV	0.0038	-0.0128	-0.0039	0.0031	0.0000	0.0028	-0.0131	-0.0023	0.0035	-0.0003	0.0051	-0.0131	-0.0008	0.0025	0.0000	-0.0193	-0.0021	-0.0003	0.0000	-0.0260	-0.0021	0.0055	-0.0009		
Worth 12kV	0.0133	-0.0052	-0.0329	0.0004	0.0037	0.0107	-0.0566	-0.0308	0.0004	-0.0002	0.0195	-0.0568	-0.0292	0.0003	0.0002	-0.0224	-0.0658	-0.0304	0.0000	-0.0018	0.0474	-0.0742	-0.0291	0.0007	
Wutchumna 12kV	0.0573	-0.00531	-0.0190	0.0011	0.0000	0.0573	-0.0501	-0.0127	0.0012	0.0000	0.0573	-0.0460	-0.0073	0.0009	0.0000	-0.0573	-0.0589	-0.0121	-0.0020	0.0000	-0.0573	-0.0697	-0.0119	0.0014	0.0000
Wyle 12kV	0.0412	-0.1001	-0.0449	0.0031	0.0082	0.0305	-0.0931	-0.0396	0.0037	-0.0036	0.0558	-0.0847	-0.0355	0.0032	0.0003	-0.2691	-0.1007	-0.0398	0.0013	-0.0018	0.5687	-0.1140	-0.0374	0.0060	
Wyoming 12kV	0.0052	-0.1402	-0.0342	0.0096	0.0001	0.0038	-0.1381	-0.0271	0.0109	-0.0004	0.0070	-0.1283	-0.0209	0.0077	-0.0014	0.0081	-0.1586	-0.0261	-0.0009	-0.0004	0.0170	-0.1790	-0.0253	0.0168	-0.0031
Xerox 12kV	0.2174	-0.0259	-0.0397	0.0010	0.0000	0.8261	-0.0256	-0.0407	0.0012	0.0000	1.6957	-0.0278	-0.0422	0.0018	0.0000	2.1739	-0.0289	-0.0423	0.0008	0.0000	2.1739	-0.0305	-0.0387	0.0021	0.0000
Ximero 12kV	0.0343	-0.0213	-0.0237	0.0038	0.0006	0.0255	-0.0223	-0.0237	0.0043	0.0001	0.0465	-0.0226	-0.0240	0.0028	0.0002	0.0535	-0.0238	-0.0244	-0.0036	0.0000	0.1130	-0.0247	-0.0225	0.0058	0.0000
Yacht 4.16kV	0.0000	-0.0345	-0.0086	0.0140	0.0000	0.0000	-0.0397	-0.0054	0.0157	0.0000	0.0000	-0.0477	-0.0027	0.0104	0.0000	0.0000	-0.0756	-0.0053	-0.0208	0.0000	0.0000	-0.1080	-0.0051	0.0195	0.0000
Yankee 12kV	0.0199	-0.0286	-0.0292	0.0005	0.0000	0.0148	-0.0320	-0.0288	0.0006	0.0000	0.0270	-0.0348	-0.0285	0.0008	0.0000	0.0109	-0.0362	-0.0281	0.0013	0.0000	0.0230	-0.0381	-0.0270	0.0012	0.0000
Yale 4.16kV	0.0106	-0.0045	-0.0022	0.0032	0.0000	0.0079	-0.0050	-0.0014	0.0036	0.0000	0.0144	-0.0050	-0.0007	0.0023	0.0000	0.0166	-0.0070	-0.0014	-0.0047	0.0000	0.0350	-0.0082	-0.0013	0.0044	0.0000
Yankee 2.4kV	0.0000	-0.0002	-0.0003	0.0000	0.0000	0.0000	-0.0002	-0.0003	0.0000	0.0000	0.0000	-0.0002	-0.0003	0.0000	0.0000	0.0000	-0.0002	-0.0003	0.0000	0.0000	-0.0002	-0.0003	0.0000	0.0000	
Yarborough 12kV	0.0037	-0.0442	-0.0695	0.0017	0.0088	0.0027	-0.0486	-0.0706	0.0020	-0.0003	0.0050	-0.0520	-0.0727	0.0017	-0.0015	0.0057	-0.0553	-0.0729	0.0007	-0.0004	0.0121	-0.0588	-0.0671	0.0032	-0.0009
Yates 16kV	0.0438	-0.0525	-0.0378	0.0057	0.0000	0.0325	-0.0572	-0.0340	0.0064	0.0000	0.0594	-0.0608	-0.0310	0.0044	0.0000	0.0683	-0.0722	-0.0337	0.0103	0.0000	0.1443	-0.0853	-0.0320	0.0074	0.0000
Yellow 12kV	0.0058	-0.0235	-0.0111	0.0015	0.0034	0.0043	-0.0256	-0.0099	0.0017	-0.0003	0.0079	-0.0258	-0.0090	0.0012	-0.0005	0.0090	-0.0332	-0.0100	-0.0001	-0.0004	0.0191	-0.0583	-0.0094	0.0027	-0.0004
Yellowstone 12kV	0.0051	-0.0251	-0.0131	0.0013	0.0031	0.0049	-0.0251	-0.0091	0.0014	-0.0003	0.0081	-0.0251	-0.0091	0.0014	-0.0003	0.0081	-0.0331	-0.0117	-0.0004	-0.0001	0.0249	-0.0697	-0.0063	0.0102	-0.0027
Yellowtail 12kV	0.0075	-0.1084	-0.0428	0.0012	0.0057	0.0066	-0.1191	-0.0335	0.0014	-0.0003	0.0102	-0.1223	-0.0257	0.0155	-0.0011	0.0117	-0.1697	-0.0331	-0.0199	-0.0018	0.0247	-0.2078	-0.0315	0.0323	-0.0013
Yon 12kV	0.0488	-0.1202	-0.0208	0.0053	0.0131	0.0362	-0.1303	-0.0888	0.0064	0.0015	0.0651	-0.1337	-0.0884	0.0056	-0.0229	0.0760	-0.1588	-0.0913	0.0023	-0.0044	0.1607	-0.1926	-0.0843	0.0103	-0.0013
Yne 4.16kV	0.0008	-0.0288	-0.0064	0.0036	0.0000	0.0006	-0.0385	-0.0041	0.0044	0.0000	0.0101	-0.0422	-0.0020	0.0030	0.0000	0.0013	-0.0643	-0.0308	-0.0027	0.0000	0.0235	-0.0849	-0.0038	0.0058	0.0000
Yoda 12kV	0.0160	-0.0260	-0.0369	0.0021	0.0029	0.0119	-0.0359	-0.0255	0.0034	0.0018	0.0217	-0.0352	-0.0245	0.0017	0.0001	0.0250	-0.0398	-0.0259	-0.0002	0.0000	0.0528	-0.0442	-0.0037	0.0000	
Yogi 12kV	0.0073	-0.1225	-0.0339	0.0272	0.0000	0.0054	-0.1228	-0.0220	0.0309	0.0000	0.0098	-0.1203	-0.0118	0.0213	0.0000	0.0113	-0.1677	-0.0209	-0.0049	0.0000	-0.2178	-0.0206	0.0357	0.0000	
Yorba 4.16kV	0.0076	-0.1617	-0.0466	0.0012	0.0004	0.0056	-0.1612	-0.0333	0.0013	0.0000	0.0153	-0.1612	-0.0221	0.0002	0.0000	-0.0207	-0.032	-0.0001	0.0000	0.0279	-0.0257	-0.0031	0.0221	-0.0004	
York 4.16kV	0.0021	-0.0909	-0.0266	0.0018	0.0000	0.0016	-0.1000	-0.0017	0.0022	0.0000	0.0029	-0.1040	-0.0010	0.0016	0.0000	0.0033	-0.0145	-0.0016	-0.0003	0.0070	-0.179	-0.0016	0.0029	0.0000	
Yorktown 12kV	0.0424	-0.0488	-0.0277	0.0067	0.0047	0.0315	-0.0508	-0.0239	0.0075	0.0002	0.0574	-0.0521	-0.0208	0.0049	-0.0015	0.0660	-0.0697	-0.0240	-0.0063	0.0099	-0.0899	-0.0225	0.0102	-0.0027	
Yosemite 16kV	0.0073	-0.0728	-0.0490	0.0059	0.0034	0.0054	-0.0725	-0.0449	0.0067	-0.0003	0.0099	-0.0706	-0.0420	0.0047	-0.0007	0.0114	-0.0859	-0.0457	-0.0005	0.013	-0.0242	-0.1004	-0.0426	0.0103	-0.0022
Young 16kV	0.0124	-0.1122	-0.0174	0.0039	0.0027	0.0092	-0.1138	-0.0169	0.0044	0.0000	0.0168	-0.1417	-0.0168	0.0031	0.0000	0.0193	-0.167	-0.0174	-0.0004	0.0049	-0.0185	-0.0161	0.0068	-0.0004	
Younger 12kV	0.0086	-0.1225	-0.0369	0.0057	0.0000	0.0064	-0.1366	-0.0248	0.0069	0.0000	0.0116	-0.1447	-0.0143	0.0052	0.0000	0.0134	-0.2083	-0.0236	-0.0042	0.0000	0.0283	-0.2690	-0.0233	0.0092	0.0000
Younkin 12kV	0.0255	-0.0306	-0.0365	0.0006	0.0000	0.0189	-0.0336	-0.0365	0.0008	0.0000	0.0346	-0.0360	-0.0368	0.0012	0.0000	0.0398	-0.0382	-0.0366	0.0005	0.0080	-0.0407	-0.0344	0.0014	0.0000	
Yuban 12kV	0.0071	-0.0626	-0.0341	0.0013	0.0004	0.0053	-0.0590	-0.0293	0.0015	-0.0030	0.0096	-0.0542	-0.0255	0.0010	-0.0006	0.0105	-0.0647	-0.0295	-0.0012	0.0022	-0.0726	-0.0277	0.0020	-0.0013	
Yucatan 12kV	0.0147	-0.0457	-0.0417	0.0034	-0.0149	0.0109	-0.0469	-0.0397	0.0041	0.0000	0.0199	-0.0470	-0.0385	0.0036	-0.0006	0.0228	-0.0561	-0.0406	0.0015	-0.0004	0.0485	-0.0651	-0.0376	0.0066	
Yucca 4.16kV	0.0000	-0.0139	-0.0032	0.0004	0.0001	0.0122	-0.0022	0.0004	0.0000	0.0000	-0.0099	-0.0015	0.0003	0.0000	0.0000	-0.0109	-0.0022	0.0000	0.0000	0.0000	-0.0108	-0.0021	0.0007	0.0000	
Yucca Loma 12kV	0.0173	-0.0506	-0.0142	0.0033	0.0000	0.0129	-0.0454	-0.0090	0.0037	0.0000	0.0235	-0.0398	-0.0045	0.0025	0.0000	0.0270	-0.0488	-0.0085	0.0000	0.0571	-0.0559	-0.0085	0.0046	0.0000	
Yuma 12kV	0.0051	-0.0287	0.0000	0.0004	0.0000	0.0038	-0.030	0.0000	0.0007	0.0000	0.0161	-0.0361	0.0000	0.0011	0.0000	-0.0808	-0.0482	0.0000	0.0006	0.0169	-0.0599	0.0000	0.0010	0.0000	
Zamora 16kV	0.0367	-0.0599	-0.0470	0.0007	0.0000	0.0272	-0.0645	-0.0458	0.0009	0.0049	-0.0670	-0.0450	0.0013	0.0000	0.0572	-0.0741	-0.0449	0.0003	0.01209	-0.0801	-0.040	0.030	0.0015		
Zane 12kV	0.0192	-0.0498	-0.0402	0.0025	-0.0039	0.0140	-0.0515	-0.0367	0.0030	0.0004	0.0255	-0.0521	-0.0341	0.0026	-0.0006	0.0293	-0.0663	-0.0373	0.0013	0.0009	0.0620	-0.0806	-0.0347	0.0049	-0.0009
Zantar 12kV	0.0290	-0.0638	-0.0204	0.0018	-0.0008	0.0215	-0.0613	-0.0146	0.0021	-0.0001	0.0392	-0.0576	-0.0097	0.0018	-0.0001	0.0451	-0.0766	-0.0142	0.0008	-0.0113	0.0954	-0.0454	-0.0137	0.0034	-0.0013
Zante 12kV	0.0086	-0.0417	-0.0049	0.0005	0.0041	0.0041	-0.0404	-0.0038																	