



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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/s/ Matthew W. Dwyer

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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 _{min})				
						Element	Rating	Units	2018	2019	2020	2021	2022	2018'	2019'	2020'	2021'	2022'
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
Ganesh 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%	0.0%	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	4.7	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%	0.0%	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	2.7	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 _{min})				
						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	Appalouosa	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%	0.0%	23.6%	27.5%	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	Stevley	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	
Concho 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 Sur 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	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	
Floraday 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	
Floraday 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	
Ganesh 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	Grevelia	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 _{min})				
						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	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	0.1	0.4
Great Lakes 66/12	Huron	Distribution Feeder	Capacity	Demand Growth	6/1/2021	Distribution	10.4 MW	0.0%	0.0%	0.3%	0.3%	21.3%	0.0	0.0	0.0	0.0	2.2	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	1.1	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	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	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	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	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	0.0	0.1	0.3	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	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	1.4
Muscovy 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	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	1.9
Newbury 66/16	Hooligan	Distribution Feeder	Capacity	Demand Growth	6/1/2020	Distribution	16.2 MW	5.6%	6.0%	6.9%	7.3%	9.1%	0.9	1.0	1.1	1.2	1.5	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	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	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	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	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	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	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	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	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	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	0.1	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%	0.0%	0.5%	2.2%	0.0	0.0	0.0	0.1	0.3	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	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	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	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	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	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	0.2
Potrero 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	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	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	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	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	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	0.8
Roadway 115/12	Caterpillar	Distribution Feeder	Capacity	Demand Growth	6/1/2021	Distribution	12.0 MW	0.0%	0.0%	0.0%	14.0%	14.6%	0.0	0.0	0.0	1.7	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	0.0

Substation / Subtransmission Line	Circuit	Element Identifier	Distribution Service Required	Primary Driver of Grid Need	Operating Date	Equipment			Deficiency (%)					Deficiency (MW, °C, V _{min})					
						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	0.6	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	1.7	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	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	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	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	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	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	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	0.1	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	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	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	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	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	0.1	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	2.3	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	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	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	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	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	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	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	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	0.1
Valley Of The Moon P.T. 12/2Valley 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	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	0.1	0.1	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	12.2
Archibald 66/12	Hofe	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	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	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	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	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	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	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	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	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	17.7
Auld 115/12	Thoroughbred	Distribution Feeder	Capacity	Demand Growth	6/1/2021	Distribution	90.0 *Celsius		0.0%	0.0%	0.0%	1.6%	8.7%	0.0	0.0	0.0	1.4	7.8	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	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	0.0

Substation / Subtransmission Line	Circuit	Element Identifier	Distribution Service Required	Primary Driver of Grid Need	Operating Date	Equipment			Deficiency (%)					Deficiency (MW, °C, V _{min})				
						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	1.8	9.5
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	12.6	18.1
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	28.4	33.4
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	8.9	11.4
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	8.3	14.4
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%	5.6%	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	Pistola	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	Ruttman	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
Declerz 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
Declerz 66/12	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
Devers 115/12	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%	2.8%	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	Horsoscope	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 _{min})				
						Element	Rating	Units	2018	2019	2020	2021	2022	2018'	2019'	2020'	2021'	2022'
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	Viminal	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
Ganesh 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
Genamic 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%	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	Chinoweth	Distribution Feeder	Capacity	Demand Growth	6/1/2022	Distribution	90.0	*Celsius	0.0%	0.0%	0.0%	0.0%	0.6%	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 _{min})				
						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%	0.1%	1.0%	3.3%	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	Ballzak	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	1.9	2.0	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	Farrington	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%	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 _{min})				
						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	2.9	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%	13.2%	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	7.0	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	23.2	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	Suzu	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	8.5	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	2.9	3.1	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%	5.1%	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	6/1/2019	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 _{un})				
						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	Gaylor	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	Gulder	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%	20.6%	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-Bey		TSP STL	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-Earlmar 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%	17.2%	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'	2019'	2020'	2021'	2022'
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-Univeristy 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									
	se Demand (MW)	PV (MW) ¹⁸	EE (MW) ¹⁸	EV (MW) ¹⁸	LMDR (MW) ¹⁸	se Demand (MW)	PV (MW) ¹⁹	EE (MW) ¹⁹	EV (MW) ¹⁹	LMDR (MW) ¹⁹	se Demand (MW)	PV (MW) ²⁰	EE (MW) ²⁰	EV (MW) ²⁰	LMDR (MW) ²⁰	se Demand (MW)	PV (MW) ²¹	EE (MW) ²¹	EV (MW) ²¹	LMDR (MW) ²¹	se Demand (MW)	PV (MW) ²²	EE (MW) ²²	EV (MW) ²²	LMDR (MW) ²²	
Abacus 12kV	0.0141	-0.1020	-0.0289	0.0046	0.0025	0.0105	-0.0997	-0.0220	0.0052	-0.0005	0.0191	-0.0950	-0.0162	0.0037	-0.0011	0.0220	-0.1280	-0.0216	-0.0004	-0.0035	0.0465	-0.1599	-0.0207	0.0080	-0.0009	
Abana 12kV	0.0299	-0.0343	-0.0459	0.0013	0.0000	0.0222	-0.0462	-0.0016	0.0000	0.0405	-0.0412	-0.0470	0.0024	0.0000	0.0465	-0.0437	-0.0468	0.0011	0.0000	0.0984	-0.0470	-0.0437	0.0028	0.0000		
Abbay 12kV	0.7353	-0.0233	-0.0057	0.0005	0.0000	0.0234	-0.0200	-0.0006	0.0006	-0.0053	0.0975	-0.0192	-0.0041	0.0004	0.0599	0.1121	-0.0215	-0.0048	-0.0005	0.0000	0.2370	-0.0225	-0.0088	0.0008	0.0000	
Abbot 12kV	0.0332	-0.1108	-0.1208	0.0043	0.0084	0.0239	-0.1178	0.0055	-0.0020	0.0097	-0.1120	-0.0115	0.0063	-0.0015	0.0503	-0.1451	-0.1204	0.0018	0.0000	0.1062	-0.1101	-0.1118	0.0043	-0.0009		
Aberdeen 12kV	0.0166	-0.0409	-0.0139	0.0025	0.0000	0.0123	-0.0442	-0.0115	0.0031	-0.0001	0.0225	-0.0457	-0.0096	0.0027	-0.0015	0.0259	-0.0652	-0.0115	-0.0001	-0.0004	0.0548	-0.0838	-0.0109	0.0049	-0.0009	
Abigail 12kV	0.0000	-0.0539	-0.0321	0.0034	0.0064	0.0000	-0.0566	-0.0294	0.0039	-0.0011	0.0000	-0.0569	-0.0276	0.0027	-0.0013	0.0000	-0.0728	-0.0299	-0.0003	-0.0004	0.0000	-0.0876	-0.0279	0.0060	0.0000	
Able 4.16kV	0.0024	-0.0176	-0.0075	0.0005	0.0000	0.0018	-0.0213	-0.0044	0.0000	0.0032	-0.0244	-0.0020	0.0011	0.0000	0.0037	-0.0384	-0.0049	0.0030	0.0000	0.0078	-0.0030	-0.0042	0.0019	0.0000		
Abri 12kV	0.0161	-0.0339	-0.0313	0.0020	0.0047	0.0120	-0.0366	-0.0308	0.0023	-0.0004	0.0218	-0.0386	-0.0307	0.0016	-0.0011	0.0251	-0.0480	-0.0316	-0.0002	-0.0004	0.0530	-0.0593	-0.0292	0.0035	0.0000	
Absolut 12kV	0.0652	-0.0299	-0.0410	0.0002	0.0000	0.0652	-0.0336	-0.0414	0.0003	0.0000	0.0652	-0.0364	-0.0401	0.0004	0.0000	0.0652	-0.0378	-0.0418	0.0002	0.0000	0.1066	-0.0399	-0.0391	0.0005	0.0000	
Academy 16kV	0.0803	-0.0405	-0.0314	0.0103	0.0071	0.0596	-0.0407	-0.0287	0.0116	-0.0002	0.1088	-0.0400	-0.0257	0.0075	-0.0001	0.1251	-0.0464	-0.0291	-0.0097	0.0000	0.2645	-0.0524	-0.0272	0.0157	0.0000	
Azadon 12kV	0.0597	-0.0549	-0.0151	0.0011	0.0006	0.0409	-0.0554	-0.0102	0.0013	0.0001	0.0747	-0.0532	-0.0060	0.0009	-0.0017	0.0859	-0.0721	-0.0097	-0.0001	-0.0013	0.1815	-0.0875	-0.0095	0.0020	-0.0013	
Acala 12kV	0.2344	-0.0444	-0.0145	0.0001	0.0000	0.0593	-0.0429	-0.0117	0.0001	0.0000	0.0585	-0.0410	-0.0094	0.0001	0.0000	0.0673	-0.0721	-0.0115	-0.0001	0.0066	-0.0502	-0.0112	0.0001	0.0000		
Acapulco 12kV	0.0147	-0.0021	-0.0020	0.0057	0.0000	0.0109	-0.0024	-0.0020	0.0064	0.0000	0.0199	-0.0026	-0.0020	0.0000	0.0042	0.0000	0.0229	-0.0027	-0.0020	-0.0084	0.0000	0.0485	-0.0029	-0.0019	0.0079	0.0000
Accent 12kV	0.0171	-0.1445	-0.0160	0.0048	-0.0044	0.0127	-0.1386	-0.0103	0.0055	-0.0010	0.0321	-0.1258	-0.0054	0.0039	-0.0011	0.0266	-0.1627	-0.0097	-0.0004	-0.0004	0.0562	-0.1883	-0.0096	0.0084	-0.0004	
Ace 16kV	0.0108	-0.0300	-0.0119	0.0050	0.0000	0.0080	-0.0242	-0.0085	0.0056	0.0000	0.0347	-0.0187	-0.0056	0.0039	0.0000	0.0169	-0.0190	-0.0083	-0.0091	0.0000	0.0356	-0.0179	-0.0080	0.0065	0.0000	
Acley 4.16kV	0.0008	-0.0243	-0.0045	0.0041	0.0000	0.0006	-0.0275	-0.0025	0.0047	0.0000	0.0010	-0.0289	-0.0008	0.0032	0.0000	0.0012	-0.0426	-0.0023	-0.0075	0.0000	0.0025	-0.0536	-0.0023	0.0054	0.0000	
Acme 12kV	0.0321	-0.0292	-0.0321	0.0004	0.0022	0.0038	-0.0439	-0.0113	0.0004	0.0000	0.0069	-0.0469	-0.0309	0.0005	-0.0003	0.0080	-0.0590	-0.0318	0.0001	-0.0004	0.0169	-0.0700	-0.0296	0.0007	-0.0004	
Acorn 4.16kV	0.0152	-0.0088	-0.0039	0.0028	-0.0013	0.0112	-0.0087	-0.0025	0.0032	-0.0009	0.0205	-0.0084	-0.0013	0.0023	0.0000	0.0236	-0.0115	-0.0024	-0.0003	-0.0004	0.0499	-0.0149	-0.0023	0.0050	-0.0004	
Acosta 12kV	0.0238	-0.0625	-0.0176	0.0063	0.0000	2.1295	-0.0575	-0.0124	0.0071	0.0000	0.0022	-0.0514	-0.0079	0.0049	0.0000	0.0370	-0.0630	-0.0118	-0.0115	0.0000	0.0782	-0.0721	-0.0116	0.0083	0.0000	
Acres 12kV	0.0129	-0.0739	-0.0221	0.0264	0.0000	0.0096	-0.0806	-0.0136	0.0300	0.0000	0.0174	-0.0847	-0.0063	0.0207	0.0000	0.0200	-0.1253	-0.0127	-0.0483	0.0000	0.0424	-0.1692	-0.0127	0.0347	0.0000	
Acrobat 12kV	0.0382	-0.0641	-0.0353	0.0015	0.0016	0.0284	-0.0656	-0.0291	0.0018	0.0002	0.0518	-0.0654	-0.0029	0.0016	-0.0024	0.0595	-0.0853	-0.0288	0.0007	-0.0018	0.1258	-0.1063	-0.0275	0.0029	-0.0013	
Ada 4.16kV	0.0038	-0.0218	-0.0083	0.0008	0.0000	0.0029	-0.0234	-0.0054	0.0009	0.0000	0.0051	-0.0240	-0.0029	0.0007	0.0000	0.0059	-0.0345	-0.0051	-0.0006	0.0000	0.0125	-0.0454	-0.0000	0.0012	0.0000	
Adair 4.16kV	0.0038	-0.0039	-0.0081	0.0022	0.0000	0.0028	-0.0038	-0.0025	0.0000	0.0000	0.0051	-0.0156	-0.0017	0.0000	0.0000	0.0059	-0.0218	-0.0001	-0.0001	0.0000	0.0025	-0.0285	-0.0031	0.0029	0.0000	
Adak 16kV	0.1986	-0.0302	-0.0133	0.0039	0.0000	0.0321	-0.0338	-0.0121	0.0048	0.0000	0.0587	-0.0357	-0.0111	0.0036	0.0000	0.0675	-0.0444	-0.0122	-0.0029	0.0000	0.1426	-0.0517	-0.0115	0.0063	0.0000	
Addis 16kV	0.0184	-0.0886	-0.0370	0.0282	0.0000	0.0136	-0.0962	-0.0326	0.0316	0.0000	0.0249	-0.0985	-0.0291	0.0209	0.0000	0.0286	-0.1277	-0.0329	-0.0419	0.0000	0.0605	-0.1516	-0.0308	0.0392	0.0000	
Adelant 12kV	0.0581	-0.0646	-0.0273	0.0011	-0.0058	0.0431	-0.0624	-0.0218	0.0013	0.0002	0.0787	-0.0589	-0.0172	0.0209	-0.0008	0.0905	-0.0755	-0.0216	-0.0001	-0.0027	0.1912	-0.0905	-0.0205	0.0020	-0.0018	
Adell 12kV	0.0412	-0.1386	-0.0363	0.0023	0.0072	0.0305	-0.1326	-0.0331	0.0026	-0.0006	0.0558	-0.1212	-0.0308	0.0019	0.0004	0.0641	-0.1475	-0.0333	-0.0002	-0.0009	0.1355	-0.1652	-0.0313	0.0041	0.0000	
Admiral 12kV	0.4700	-0.0502	-0.0870	0.0027	0.0000	0.0127	-0.0565	-0.0870	0.0033	-0.0006	0.0232	-0.0614	-0.0398	0.0028	-0.0003	0.0267	-0.0665	-0.0897	0.0012	0.0000	0.0564	-0.0726	-0.0826	0.0052	0.0000	
Adobe 12kV	0.0048	-0.0448	-0.0084	0.0078	0.0000	0.0253	-0.0098	-0.0054	0.0087	0.0000	0.0462	-0.0257	-0.0038	0.0059	0.0000	0.0531	-0.0786	-0.0051	-0.0115	0.0000	0.1122	-0.0990	-0.0050	0.0108	0.0000	
Adolfo 16kV	0.0248	-0.0550	-0.0743	0.0014	0.0000	0.0184	-0.0608	-0.0750	0.0017	-0.0009	0.0336	-0.0653	-0.0765	0.0021	-0.0146	0.0281	-0.0689	-0.0762	0.0004	0.0000	0.0595	-0.0731	-0.0710	0.0028	-0.0004	
Adriatic 4.16kV	0.0000	-0.0758	-0.0116	0.0014	0.0000	0.0000	-0.0845	-0.0076	0.0018	0.0000	0.0000	-0.0869	-0.0041	0.0013	0.0000	0.0000	-0.1216	-0.0072	-0.0111	0.0000	0.0000	-0.1477	-0.0710	0.0023	0.0000	
Affron 12kV	0.0216	-0.0024	-0.0014	0.0006	0.0000	0.0160	-0.0025	-0.0012	0.0007	0.0000	0.0293	-0.0024	-0.0009	0.0005	0.0000	0.0336	-0.0029	-0.0011	-0.0011	0.0000	0.0711	-0.0031	-0.0011	0.0008	0.0000	
Agassi 12kV	0.0558	-0.0272	-0.0306	0.0007	0.0013	0.0414	-0.0587	-0.0270	0.0009	-0.0010	0.0756	-0.0588	-0.0241	0.0011	-0.0007	0.0869	-0.0777	-0.0271	-0.0002	-0.0013	0.1837	-0.0082	-0.0255	0.0014	-0.0013	
Agate 12kV	0.0129	-0.1542	-0.0547	0.0415	0.0000	0.0096	-0.1687	-0.0418	0.0471	0.0000	0.0174	-0.1781	-0.0309	0.0325	0.0000	0.0200	-0.2524	-0.0411	-0.0759	0.0000	0.0424	-0.3331	-0.0393	0.0546	0.0000	
Agave 12kV	1.2379	-0.0394	-0.0281	0.0044	0.0000	0.7259	-0.0386	-0.0261	0.0050	0.0000	1.0807	-0.0375	-0.0252	0.0033	0.0000	0.0123	-0.0395	-0.0268	-0.0066	0.0000	3.1161	-0.0408	-0.0251	0.0062	0.0000	
Agnes 12kV	0.0046	-0.0388	-0.0409	0.0032	0.0021	0.0034	-0.0406	-0.0384	0.0038	-0.0001	0.0052	-0.0415	-0.0368	0.0033	-0.0011	0.0071	-0.0485	-0.0392	0.0014	-0.0013	0.0159	-0.0557	-0.0365	0.0062	-0.0018	
Agnes 4.16kV	0.0038	-0.0122	-0.0062	0.0005	0.0000	0.0028	-0.0127	-0.0037	0.0006	0.0000	0.0051	-0.0129	-0.0016	0.0005	0.0000	0.0059	-0.0189	-0.0035	-0.0004	0.0000	0.0125	-0.0259	-0.0035	0.0008	0.0000	
Agra 16kV	0.0315	-0.0163	-0.0164	0.0002	0.0020	0.0234	-0.0192	-0.0150	0.0003	0.0004	0.0427	-0.0215	-0.0140	0.0004	-0.0013	0.0491	-0.0299	-0.0152	-0.0009	0.0000	0.1037	-0.0092	-0.0142	0.0046	0.0000	
Aguaanta 12kV	0.0307	-0.0469	-0.0135	0.0003	0.0000	0.0028	-0.0506	-0.0102	0.0003	0.0000	0.0416	-0.0211	-0.0073	0.0005	0.0000	0.0479	-0.0703	-0.0099	0.0002	0.0000	0.1012	-0.0856	-0.0096	0.0005	0.0000	
Aha 12kV	0.0216	-0.0351	-0.0040	0.0000	-0.0004	0.3284	-0.0305	-0.0027	0.0000	-0.0008	0.3001	-0.0246	-0.0015	0.0000	-0.0010	0.0336	-0.0278	-0.0025	-0.0000	0.0711	-0.0279	-0.0025	0.0000	-0.0009		
Ahoy 12kV	0.0071	-0.0104	-0.0056	0.0034	0.0000	0.0027	-0.0116	-0.0055	0.0075	0.0000	0.0232	-0.0128	-0.0055	0.0000	0.0067	0.0061	-0.0041	-0.0054	0.0139							

Facility	2018				2019				2020				2021				2022								
	se Demand (MW)	PV (MW) ²¹	EE (MW) ²¹	EV (MW) ²¹	LMDR (MW) ²¹	se Demand (MW)	PV (MW) ²¹	EE (MW) ²¹	EV (MW) ²¹	LMDR (MW) ²¹	se Demand (MW)	PV (MW) ²¹	EE (MW) ²¹	EV (MW) ²¹	LMDR (MW) ²¹	se Demand (MW)	PV (MW) ²¹	EE (MW) ²¹	EV (MW) ²¹	LMDR (MW) ²¹					
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
Alster 4.16kV	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
Alstot 12kV	0.0132	-0.0134	-0.0128	0.0048	0.0000	0.0098	-0.0138	-0.0082	0.0054	0.0000	0.0179	-0.0292	-0.0043	0.0036	0.0000	0.0206	-0.0383	-0.0079	-0.0072	0.0000	0.0436	-0.0464	-0.0077	0.0067	0.0000
Alta 1.6kV	0.0114	-0.0129	-0.0044	0.0027	0.0000	0.0084	-0.0139	-0.0024	0.0030	0.0000	0.0154	-0.0128	-0.0011	0.0041	0.0000	0.0368	-0.0171	-0.0024	-0.0024	0.0000	0.0249	-0.0249	-0.0024	0.0027	0.0000
Alterra 12kV	0.3778	-0.0841	-0.0658	0.0033	0.0040	0.0201	-0.0865	-0.0625	0.0040	-0.0036	0.0322	-0.0869	-0.0605	-0.0009	0.0035	0.0170	-0.1076	-0.0639	-0.0014	-0.0018	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
Alumina 12kV	0.0126	-0.0482	-0.0319	0.0028	0.0016	0.0024	-0.0508	-0.0291	0.0031	0.0002	0.0171	-0.0518	-0.0270	0.0022	-0.0010	0.0123	-0.0686	-0.0296	-0.0000	-0.0004	0.0259	-0.0070	0.0048	-0.0009	0.0000
Alvarado 16kV	0.2850	-0.0618	-0.0333	0.0073	0.0000	0.0297	-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	0.0000	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	-0.0097	0.0946	-0.0423	-0.0218	0.0053	-0.0009	0.0000
Amanda 12kV	0.0335	-0.0268	-0.0239	0.0041	0.0028	0.0249	-0.0239	-0.0185	0.0046	-0.0019	0.0419	-0.0213	-0.0140	0.0030	0.0000	0.0482	-0.0237	-0.0183	-0.0038	-0.0053	0.0946	-0.0250	-0.0174	0.0052	-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	0.0046	0.0000	0.0754	-0.1011	-0.0191	0.0101	0.0000	0.0867	-0.1319	-0.0249	-0.0235	0.0000	0.1833	-0.0800	-0.0238	0.0169	0.0000
Amazon 12kV	0.0000	-0.0589	-0.0538	0.0011	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	-0.0955	-0.0484	0.0021	-0.0013
Amber 12kV	0.0079	-0.0229	-0.0167	0.0018	0.0012	0.0059	-0.0202	-0.0127	0.0021	-0.0039	0.0107	-0.0177	-0.0093	0.0013	-0.0000	0.0123	-0.0201	-0.0125	-0.0017	-0.0018	0.0261	-0.0019	-0.0119	0.0028	-0.0004
Ambercrest 16kV	0.1002	-0.0933	-0.0262	0.0162	0.0013	0.0744	-0.0907	-0.0201	0.0183	-0.0023	0.2532	-0.0841	-0.0149	0.0119	-0.0021	0.1562	-0.1068	-0.0197	-0.0153	-0.0040	0.3301	-0.1234	-0.0189	0.0248	-0.0018
Amberjack 12kV	0.0000	0.0000	0.0000	0.0000	0.0000	0.1242	0.0000	0.0000	0.0000	0.0000	0.1242	0.0000	0.0000	0.0000	0.1242	0.0000	0.0000	0.0000	0.0000	0.1087	0.0000	0.0000	0.0000	0.0000	
Amberjack 16kV	0.0243	-0.0853	-0.0247	0.0105	0.0000	0.0181	-0.0855	-0.0230	0.0000	0.0000	0.0330	-0.0821	-0.0163	0.0000	0.0152	0.0379	-0.1053	-0.0200	0.0005	0.0802	0.1236	-0.0189	0.0285	0.0000	
Ambrus 16kV	0.0343	-0.1097	-0.0338	0.0056	0.0024	0.0255	-0.1204	-0.0290	0.0063	-0.0005	0.0465	-0.1242	-0.0252	0.0045	-0.0020	0.0535	-0.1728	-0.0291	-0.0005	-0.0013	0.1130	-0.2149	-0.0274	0.0097	-0.0013
Ambrushers 12kV	0.0150	-0.0679	-0.0220	0.0115	0.0008	0.0122	-0.0680	-0.0174	0.0130	-0.0022	0.0204	-0.0665	-0.0136	0.0084	-0.0010	0.0234	-0.0907	-0.0172	-0.0108	-0.0108	0.0495	-0.1153	-0.0164	0.0175	-0.0009
American 12kV	0.1761	-0.0591	-0.0269	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	-0.0062
Amestoy 4.16kV	0.0000	-0.0189	-0.0056	0.0031	0.0000	0.0000	-0.0221	-0.0033	0.0096	0.0000	0.0000	-0.0245	-0.0104	0.0073	0.0000	0.0000	-0.0377	-0.0031	0.0000	0.0000	0.0000	-0.0504	-0.0031	0.0000	0.0000
Amethyst 12kV	0.0132	-0.0901	-0.0165	0.0029	-0.0005	0.0098	-0.0851	-0.0106	0.0110	-0.0015	0.0179	-0.0768	-0.0095	0.0071	-0.0009	0.0206	-0.0981	-0.0100	-0.0092	-0.0027	0.0436	-0.1137	-0.0099	0.0149	-0.0027
Amno 12kV	0.0571	-0.0736	-0.0191	0.0040	0.0078	0.0413	-0.0714	-0.0112	0.0012	0.0001	0.0714	-0.0673	-0.0184	0.0008	0.0000	0.0890	-0.0649	-0.0138	-0.0001	0.1889	0.0436	-0.0128	-0.0019	-0.0018	
Amos 4.16kV	0.0036	-0.0254	-0.0046	0.0007	0.0000	0.0056	-0.0227	-0.0027	0.0029	-0.0009	0.0103	-0.0258	-0.0010	0.0019	0.0000	0.0118	-0.0375	-0.0025	-0.0024	-0.0004	0.0249	-0.0029	-0.0005	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	-0.0168	0.0010	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	0.0000	-0.0011	-0.0007	0.0000	0.0000	-0.0012	-0.0007	-0.0000	0.0000	0.0000	-0.0012	-0.0000	0.0017	0.0011	0.0000
Anaconda 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	0.0023	-0.0663	-0.0162	-0.0003	-0.0013	0.0048	-0.0689	-0.0154	0.0048	-0.0009
Anahurst 4.16kV	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	0.0000	0.0037	-0.0410	-0.0061	-0.0024	0.0000	0.0000	-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	-0.0717	-0.0274	0.0019	-0.0019	0.0250	-0.0862	-0.0136	-0.0042	-0.0016	0.0528	-0.0978	-0.0296	0.0016	-0.0018
Anapamu 4.16kV	0.0005	-0.0069	-0.0064	0.0013	0.0027	0.0004	-0.0073	-0.0063	0.0016	-0.0009	0.0007	-0.0070	-0.0063	0.0014	-0.0001	0.0008	-0.0077	-0.0005	0.0006	0.0000	0.0017	-0.0081	-0.0020	0.0026	-0.0004
Anawalt 12kV	0.0268	-0.1081	-0.0271	0.0059	-0.0059	0.0199	-0.1079	-0.0213	0.0067	-0.0013	0.0067	-0.1026	-0.0164	0.0048	-0.0003	0.0418	-0.1356	-0.0210	-0.0005	-0.0018	0.0883	-0.1617	-0.0060	0.0104	-0.0009
Anchor 4.16kV	0.0000	-0.0126	-0.0041	0.0018	0.0000	0.0000	-0.0132	-0.0025	0.0022	0.0000	0.0000	-0.0134	-0.0011	0.0016	0.0000	0.0000	-0.0198	-0.0023	-0.0013	0.0000	0.0000	-0.0273	-0.0023	0.0029	0.0000
Anchorage 16kV	0.0433	-0.0044	-0.0038	0.0008	0.0000	0.0321	-0.0049	-0.0039	0.0009	0.0000	0.0587	-0.0053	-0.0041	0.0006	0.0000	0.0675	-0.0055	-0.0041	-0.0012	0.0000	0.1426	-0.0058	-0.0037	0.0012	0.0000
Anderson 12kV	0.0117	-0.0776	-0.0205	0.0027	-0.0003	0.0087	-0.0734	-0.0133	0.0030	-0.0023	0.0159	-0.0679	-0.0071	0.0019	-0.0013	0.0160	-0.0888	-0.0126	-0.0025	-0.0009	0.0338	-0.1077	-0.0125	0.0041	-0.0044
Andes 12kV	0.0544	-0.0778	-0.0669	0.0038	0.0000	0.0544	-0.0624	-0.0062	0.0039	-0.0014	0.0641	-0.0650	-0.0068	0.0001	0.0737	-0.0981	-0.0887	-0.0003	-0.0009	0.1731	-0.1114	-0.0819	0.0015	0.0031	
Andretti 12kV	0.0536	-0.0280	-0.0419	0.0010	0.0038	0.0027	-0.0313	-0.0426	0.0012	-0.0028	0.0050	-0.0340	-0.0436	0.0017	0.0014	0.0057	-0.0353	-0.0433	0.0040	0.0000	0.0121	-0.0372	-0.0043	0.0029	0.0000
Andria 12kV	0.0182	-0.0641	-0.0178	0.0077	-0.0003	0.0135	-0.0632	-0.0116	0.0087	-0.0009	0.0246	-0.0573	-0.0062	0.0056	-0.0010	0.0283	-0.0702	-0.0110	-0.0073	-0.0035	0.0598	-0.0755	-0.0109	0.0118	-0.0004
Andrus 4.16kV	0.0015	-0.0140	-0.0047	0.0003	0.0000	0.0001	-0.0171	-0.0031	0.0007	0.0000	0.0021	-0.0204	-0.0018	0.0000	0.0024	-0.0333	-0.0030	0.0000	0.0000	0.0050	-0.0491	-0.0209	0.0016	0.0000	
Angelas 16kV	0.2596	-0.0853	-0.0086	0.0036	0.0003	0.0000	-0.0878	-0.0049	0.0041	0.0001	0.0000	-0.0838	-0.0017	0.0029	0.0000	0.0000	-0.1124	-0.0045	-0.0003	-0.0013	0.0000	-0.1316	-0.0046	0.0063	-0.0004
Angelina 16kV	0.0184	-0.0591	-0.0511	0.0124	0.0000	0.0136	-0.0648	-0.0499	0.0139	0.0000	0.0249	-0.0691	-0.0495	0.0092	0.0000	0.0286	-0.0792	-0.0509	-0.0184	0.0000	0.0605	-0.0910	-0.0473	0.0173	0.0000
Angus 16kV	0.0111	-0.1136	-0.0285	0.0014	0.0071	0.0482	-0.1093	-0.0257	0.0016	-0.0019	0.0955	-0.0998	-0.0225	0.0011	0.0001	0.0051	-0.1156	-0.0254	-0.0001	-0.0013	0.1088	-0.1232	-0.0044	0.0024	-0.0018
Ani 12kV																									

Facility	2018					2019					2020					2021					2022				
	se Demand (MW)	PV (MW) ¹⁸	EE (MW) ¹⁸	EV (MW) ¹⁸	LMDR (MW) ¹⁸	se Demand (MW)	PV (MW) ¹⁹	EE (MW) ¹⁹	EV (MW) ¹⁹	LMDR (MW) ¹⁹	se Demand (MW)	PV (MW) ²⁰	EE (MW) ²⁰	EV (MW) ²⁰	LMDR (MW) ²⁰	se Demand (MW)	PV (MW) ²¹	EE (MW) ²¹	EV (MW) ²¹	LMDR (MW) ²¹	se Demand (MW)	PV (MW) ²²	EE (MW) ²²	EV (MW) ²²	LMDR (MW) ²²
Arliss 12kV	0.0540	-0.0486	-0.0313	0.0044	0.0012	0.0138	-0.0461	-0.0281	0.0049	0.0000	0.0252	-0.0431	-0.0258	0.0035	-0.0008	0.0289	-0.0507	-0.0285	-0.0004	-0.0018	0.0612	-0.0575	-0.0266	0.0076	-0.0027
Armada 12kV	0.0094	-0.0138	-0.0069	0.0009	0.0000	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	-0.0013	0.0311	-0.0586	-0.0090	0.0105	-0.0013
Armijo 12kV	0.0432	-0.0158	-0.0003	0.0024	0.0000	0.0320	-0.0183	-0.0003	0.0072	0.0000	0.0585	-0.0140	-0.0003	0.0005	0.0000	0.0673	-0.0122	-0.0003	0.0158	0.0000	0.1422	-0.0189	-0.0003	0.0100	0.0000
Armor 4.16kV	0.0002	-0.0176	-0.0051	0.0025	0.0000	0.0029	-0.0096	-0.0032	0.0018	-0.0003	0.0030	-0.0137	-0.0015	0.0003	0.0000	0.0046	-0.0136	-0.0036	-0.0003	-0.0003	0.0093	-0.0136	-0.0010	0.0043	0.0000
Armstrong 12kV	0.0347	-0.0187	-0.0078	0.0009	0.0000	0.0004	0.0257	-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
Arnell 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	-0.0004	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	-0.0035	0.0455	-0.0395	-0.0193	0.0035	-0.0013
Arnold 12kV	0.0111	-0.1422	-0.0221	0.0351	0.0000	0.0082	-0.1561	-0.0138	0.1078	0.0000	0.0351	-0.1591	-0.0067	0.0819	0.0000	0.0173	-0.2208	-0.0130	0.0366	0.0000	0.0366	-0.2560	-0.0129	0.1490	0.0000
Ashton 4.16kV	0.0038	-0.0118	-0.0018	0.0005	0.0000	0.0028	-0.0117	-0.0010	0.0006	0.0000	0.0051	-0.0113	-0.0003	0.0005	0.0000	0.0059	-0.0160	-0.0005	0.0002	0.0000	0.0125	-0.0209	-0.0009	0.0009	-0.0004
Arsenic 12kV	0.0034	-0.0838	-0.0831	0.0027	0.0000	0.0025	-0.0916	-0.0816	0.0036	0.0000	0.0045	-0.0973	-0.0807	0.0051	0.0000	0.0052	-0.1042	-0.0804	0.0010	0.0000	0.0110	-0.1122	-0.0757	0.0057	0.0000
Artisano 16kV	0.9270	-0.0955	-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	-0.1701	-0.1701	0.0000	0.0000	0.0721	-0.1383	-0.1563	0.0031	0.0000
Artist 12kV	0.0120	-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	-0.2030	-0.0200	0.0325	0.0000
Aruba 12kV	0.0040	-0.0475	-0.0494	0.0033	0.0012	0.0030	-0.0502	-0.0485	0.0039	0.0022	0.0054	-0.0513	-0.0485	0.0034	-0.0024	0.0062	-0.0595	-0.0499	0.0014	0.0000	0.0131	-0.0668	-0.0460	0.0063	0.0000
Arvana 16kV	0.0184	-0.0845	-0.0318	0.0293	0.0000	0.0136	-0.0935	-0.0248	0.0333	0.0000	0.0249	-0.0970	-0.0190	0.0230	0.0000	0.0286	-0.1308	-0.0245	-0.0536	0.0000	0.0605	-0.1585	-0.0234	0.0385	0.0000
Ash 4.16kV	0.0044	-0.0288	-0.0085	0.0044	0.0011	0.0036	-0.0264	-0.0069	0.0049	-0.0007	0.0060	-0.0332	-0.0004	0.0000	0.0000	0.0043	-0.0463	-0.0041	-0.0004	0.0000	0.0145	-0.0431	-0.0060	0.0067	0.0000
Ashberry 12kV	0.0382	-0.0770	-0.0163	0.0045	0.0000	0.0233	-0.0641	-0.0688	0.0000	0.0000	0.1609	-0.0597	-0.0000	0.0000	0.0000	0.2523	-0.0749	-0.0094	0.0057	0.0000	0.8896	-0.0866	-0.0093	0.0062	0.0000
Ashford 12kV	0.0132	-0.0491	-0.0093	0.0045	-0.0008	0.0098	-0.0478	-0.0065	0.0051	-0.0022	0.0179	-0.0454	-0.0041	0.0036	-0.0035	0.0206	-0.0618	-0.0063	-0.0004	-0.0035	0.0436	-0.0777	-0.0061	0.0079	-0.0027
Ashland 4.16kV	0.0027	-0.0152	-0.0051	0.0108	0.0000	0.0020	-0.0143	-0.0033	0.0123	0.0000	0.0037	-0.0123	-0.0017	0.0085	0.0000	0.0042	-0.0142	-0.0031	-0.0198	0.0000	0.0090	-0.0146	-0.0031	0.0142	0.0000
Ashley 4.16kV	0.0000	-0.0054	-0.0024	0.0012	0.0000	0.0000	-0.0050	-0.0014	0.0014	0.0000	0.0000	-0.0043	-0.0005	0.0011	0.0000	0.0000	-0.0051	-0.0013	-0.0009	0.0000	0.0000	-0.0057	-0.0013	0.0019	0.0000
Ashmont 4.000kV	0.0000	-0.0109	-0.0028	0.0020	0.0000	0.0000	-0.0109	-0.0016	0.0022	-0.0009	0.0000	-0.0107	-0.0005	0.0014	-0.0004	0.0000	-0.0153	-0.0015	-0.0019	0.0000	0.0000	-0.0202	-0.0015	0.0030	-0.0004
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
Aspenby 12kV	0.0000	-0.0619	-0.0433	0.0004	0.0000	0.0011	-0.0125	-0.0628	0.0000	0.0000	0.0228	-0.0624	-0.0000	0.0000	0.0000	0.0062	-0.0738	-0.0000	0.0016	0.0000	0.0553	-0.0819	-0.0385	0.0012	0.0000
Asteroid 16kV	0.0297	-0.1373	-0.0481	0.0264	0.0078	0.0220	-0.1047	-0.0417	0.0297	-0.0044	0.0003	-0.1470	-0.0367	0.0193	-0.0035	0.0434	-0.1921	-0.0400	-0.0248	-0.0022	0.0918	-0.2287	-0.0503	0.0402	-0.0022
Aston 12kV	0.0854	-0.0442	-0.0310	0.0038	0.0024	0.0854	-0.0476	-0.0284	0.0044	-0.0003	0.0854	-0.0502	-0.0263	0.0031	0.0002	0.0854	-0.0594	-0.0278	-0.0004	-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	-0.0000	-0.0018	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	-0.0002	-0.0009	0.1551	-0.1107	-0.0265	0.0046	-0.0009
Astroslogy 12kV	0.0000	-0.0518	-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
Atlanta 12kV	0.7448	-0.2044	-0.0223	0.0113	0.0006	0.0177	-0.2032	-0.0131	0.0138	0.0014	0.0324	-0.1965	-0.0094	0.0099	0.0014	0.0373	-0.2586	-0.0147	-0.0010	-0.0018	0.0746	-0.3091	-0.0441	0.0198	-0.0022
Athel 12kV	0.0079	-0.0337	-0.0317	0.0019	0.0019	0.0059	-0.0316	-0.0268	0.0021	-0.0020	0.0107	-0.0294	-0.0229	0.0014	-0.0010	0.0123	-0.0326	-0.0269	-0.0018	-0.0045	0.0261	-0.0348	-0.0253	0.0029	-0.0004
Athens 12kV	0.0273	-0.0099	-0.0149	0.0001	0.0000	0.0000	0.0510	-0.0109	-0.0051	0.0000	0.0031	-0.0117	-0.0154	0.0002	0.0000	0.1071	-0.0126	-0.0155	0.0006	0.0000	0.2263	-0.0177	-0.0143	0.0004	0.0000
Atherton 12kV	0.0343	-0.0792	-0.0416	0.0032	0.0033	0.0255	-0.0803	-0.0384	0.0039	0.0009	0.0465	-0.0797	-0.0362	0.0034	-0.0041	0.0535	-0.1038	-0.0391	0.0014	-0.0027	0.1130	-0.1289	-0.0364	0.0062	-0.0009
Atlanta 12kV	0.7815	-0.0209	-0.0088	0.0037	0.0001	0.5799	-0.0197	-0.0072	0.0045	0.0000	1.0590	-0.0182	-0.0058	0.0039	-0.0000	0.6498	-0.0238	-0.0072	0.0000	0.0684	-0.2070	-0.0668	0.0072	0.0000	0.0000
Atlantic 16kV	0.0295	-0.0993	-0.0301	0.0021	0.0000	0.0219	-0.1107	-0.0230	0.0026	0.0000	0.0399	-0.1160	-0.0170	0.0019	0.0000	0.0459	-0.1593	-0.0224	-0.0016	0.0000	0.0970	-0.1977	-0.0216	0.0034	0.0000
Atlas 12kV	0.0235	-0.0694	-0.0464	0.0063	0.0040	0.0040	-0.0725	-0.0419	0.0071	0.0000	0.0318	-0.0740	-0.0385	0.0040	-0.0037	0.0366	-0.0933	-0.0422	-0.0060	0.0013	0.0773	-0.1241	-0.0396	0.0097	0.0022
Atmore 16kV	0.4004	-0.1065	-0.0651	0.0013	0.0113	0.1486	-0.1245	-0.0612	0.0015	0.0004	0.0133	-0.1362	-0.0585	0.0013	-0.0032	0.0153	-0.1965	-0.0623	0.0005	-0.0009	0.0324	-0.2557	-0.0581	0.0024	-0.0027
Atrium 12kV	0.0071	-0.0322	-0.0511	0.0018	0.0004	0.0053	-0.0357	-0.0512	0.0023	0.0000	0.0096	-0.0382	-0.0520	0.0027	0.0000	0.0111	-0.0421	-0.0528	0.0006	0.0000	0.0234	-0.0464	-0.0486	0.0037	0.0000
Attica 12kV	0.5435	-0.0305	-0.0515	0.0009	0.0000	0.0127	-0.0342	-0.0515	0.0012	0.0000	0.0232	-0.0373	-0.0523	0.0017	0.0000	0.0267	-0.0399	-0.0531	0.0003	0.0000	0.0564	-0.0300	-0.0489	0.0019	0.0000
Auburn 12kV	0.0000	-0.0476	-0.0434	0.0025	0.0082	2.0000	-0.0486	-0.0432	0.0031	0.0011	0.0109	-0.0471	-0.0436	0.0037	-0.0018	0.0125	-0.0514	-0.0443	0.0007	0.0000	0.0265	-0.0530	-0.0410	0.0050	0.0000
Audubon 12kV	0.0056	-0.0688	-0.0335	0.0046	0.0070	0.0042	-0.0705	-0.0292	0.0056	-0.0010	0.0076	-0.0694	-0.0256	0.0049	0.0000	0.0087	-0.0854	-0.0288	0.0000	-0.0022	0.0184	-0.0982	-0.0275	0.0090	-0.0018
Augusta 12kV	0.0227	-0.0694	-0.0427	0.0023	0.0025	0.8821	-0.0675	-0.0395	0.0027	-0.0028	0.0065	-0.0643	-0.0733	0.0024	-0.0019	0.02									

Facility	2018					2019					2020					2021					2022					
	se Demand (MW)	PV (MW) ²¹	EE (MW) ²¹	EV (MW) ²¹	LMDR (MW) ²¹	se Demand (MW)	PV (MW) ²¹	EE (MW) ²¹	EV (MW) ²¹	LMDR (MW) ²¹	se Demand (MW)	PV (MW) ²¹	EE (MW) ²¹	EV (MW) ²¹	LMDR (MW) ²¹	se Demand (MW)	PV (MW) ²¹	EE (MW) ²¹	EV (MW) ²¹	LMDR (MW) ²¹	se Demand (MW)	PV (MW) ²¹	EE (MW) ²¹	EV (MW) ²¹	LMDR (MW) ²¹	
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	-0.0404	-0.0404	0.0041	0.0014	0.0200	-0.0857	-0.0371	0.0047	-0.0006	0.0366	-0.0664	-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 12kV	0.3213	-0.0781	-0.0864	0.0010	0.0000	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	-0.0864	0.0020	0.0000
Banding 12kV	0.0255	-0.0625	-0.0729	0.0004	0.0039	0.0189	-0.0329	-0.0349	0.0004	-0.0006	0.0346	-0.0843	-0.0712	0.0026	0.0000	0.0398	-0.0879	-0.0639	0.0000	0.0000	0.0186	-0.0699	-0.0236	-0.0673	0.0010	0.0000
Bancroft 16kV	0.5983	-0.0455	-0.0388	0.0033	0.0048	0.0000	0.2469	-0.0441	-0.0351	0.0017	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
Bandera 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	
Bandit 12kV	0.0150	-0.0754	-0.0221	0.0132	0.0012	0.0112	-0.0749	-0.0153	0.0150	-0.0015	0.0204	-0.0728	-0.0096	0.0106	-0.0005	0.0234	-0.1011	-0.0148	-0.0012	-0.0018	0.0495	-0.1298	-0.0144	0.0231	-0.0044	
Banjo 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	-0.0136	-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	
Banhee 16kV	0.0000	-0.0001	-0.0009	0.0002	0.0002	0.0108	-0.0001	-0.0008	0.0002	-0.0001	0.0000	-0.0001	-0.0003	0.0001	0.0000	0.0228	-0.0002	-0.0006	0.0000	-0.0009	0.0000	-0.0002	-0.0006	0.0003	-0.0004	
Banta 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	-0.0010	0.0000	0.0000	0.0138	-0.0048	-0.0015	0.0001	0.0000	
Banyan 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	-0.0034	0.0206	-0.0406	-0.0185	-0.0051	-0.0031	0.0436	-0.0073	-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	-0.0220	0.0090	-0.0003	0.0062	-0.0527	-0.0268	0.0037	-0.0009	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	0.0104	-0.0003	0.0293	-0.0722	-0.0316	0.0019	-0.0003	0.0336	-0.0902	-0.0343	0.0044	-0.0022	0.0711	-0.1104	-0.0333	0.0032	-0.0009	
Barbee 12kV	0.0290	-0.0493	-0.0149	0.0011	0.0019	0.0215	-0.0479	-0.0123	0.0013	-0.0007	0.0392	-0.0455	-0.0102	0.0009	-0.0008	0.0451	-0.0595	-0.0123	-0.0001	-0.0004	0.0954	-0.0727	-0.0116	0.0019	-0.0009	
Barbosa 12kV	0.0000	-0.0905	-0.0331	0.0049	0.0023	0.0000	-0.0922	-0.0294	0.0056	-0.0001	0.0000	-0.0897	-0.0356	0.0000	0.0000	-0.1441	-0.0298	-0.0047	-0.0009	0.0000	0.0000	-0.1239	-0.0279	0.0075	0.0000	
Barcelona 12kV	0.0208	-0.0177	-0.0131	0.0013	0.0014	0.0152	-0.0131	-0.0121	0.0172	0.0004	0.0083	-0.0472	-0.0074	0.0111	-0.0010	0.0324	-0.0589	-0.0117	0.0143	0.0004	0.0694	-0.0659	-0.0114	0.0233	-0.0018	
Bard 4.16kV	0.0000	-0.0182	-0.0082	0.0033	0.0000	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	0.0000	-0.0500	-0.0046	0.0044	0.0000	
Bardo 12kV	0.0240	-0.0474	-0.0549	0.0020	0.0100	0.0178	-0.0547	-0.0633	0.0026	0.0000	0.0325	-0.0600	-0.0526	0.0031	-0.0007	0.0047	-0.0771	-0.0547	0.0006	-0.0022	0.0099	-0.0946	-0.0506	0.0041	-0.0004	
Bardo 12kV	0.0557	-0.0711	-0.0212	0.0060	0.0016	0.0413	-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	-0.0022	0.1833	-0.1168	-0.0150	0.0092	-0.0013	
Barge 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	-0.0031	0.0000	0.0249	-0.0414	-0.0047	0.0066	0.0000	
Barilla 12kV	0.0182	-0.0787	-0.0258	0.0075	0.0031	0.0135	-0.0775	-0.0215	0.0085	-0.0010	0.0246	-0.0743	-0.0179	0.0055	-0.0030	0.0283	-0.0969	-0.0215	-0.0071	-0.0013	0.0598	-0.1181	-0.0203	0.0115	-0.0018	
Barley Flakes 16kV	0.0084	-0.0401	-0.0207	0.0031	0.0000	0.0038	-0.0437	-0.0189	0.0038	0.0007	0.0792	-0.0422	-0.0177	0.0019	-0.0012	0.0910	-0.0193	0.0013	0.0014	0.0000	0.1924	-0.0402	-0.0179	0.0060	0.0000	
Barlow 16kV	0.0417	-0.0996	-0.1454	0.0002	0.0000	0.0100	-0.1117	-0.1484	0.0003	0.0000	0.0565	-0.1205	-0.1533	0.0004	0.0000	0.0650	-0.1329	-0.1535	0.0002	0.0000	0.1374	-0.1470	-0.1400	0.0000	0.0000	
Barnacle 16kV	0.2721	-0.0186	-0.0300	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	0.0000	-0.0248	-0.0322	0.0067	0.0000	
Baroid 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	-0.0001	-0.0000	0.1632	-0.0011	-0.0006	0.0003	0.0000	
Barr 4.16kV	0.0000	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	-0.0002	0.0000	0.0636	0.0000	0.0000	0.0003	0.0000	
Barracuda 16kV	2.1358	-0.0569	-0.0878	0.0029	-0.0016	0.0108	-0.0632	-0.0897	0.0037	0.0000	0.1998	-0.0681	-0.0927	0.0044	-0.0009	0.2042	-0.0732	-0.0924	0.0009	0.0000	0.0481	-0.0792	-0.0852	0.0059	0.0000	
Barratt 12kV	0.0290	-0.0508	-0.0291	0.0014	0.0051	0.0115	-0.0508	-0.0231	0.0017	-0.0016	0.0392	-0.0495	-0.0182	0.0013	0.0000	0.0451	-0.0518	-0.0230	0.0006	-0.0009	0.0954	-0.0814	-0.0027	0.0022	-0.0004	
Barrington 16kV	0.2921	-0.0445	-0.0240	0.0005	0.0001	0.8669	-0.0448	-0.0229	0.0006	0.0010	1.9789	-0.0433	-0.0221	0.0008	0.0012	0.0051	-0.0484	-0.0226	0.0020	0.0000	0.0108	-0.0514	-0.0216	0.0015	-0.0009	
Bartlett 4.16kV	0.0045	-0.0068	-0.0037	0.0014	0.0000	0.0034	-0.0071	-0.0022	0.0014	0.0000	0.0062	-0.0073	-0.0010	0.0010	0.0000	0.0071	-0.0107	-0.0062	-0.0009	0.0000	0.0150	-0.0147	-0.0021	0.0019	0.0000	
Barton 4.16kV	0.0076	-0.0200	-0.0052	0.0007	0.0011	0.0056	-0.0226	-0.0038	0.0008	-0.0004	0.0103	-0.0242	-0.0025	0.0005	0.0002	0.0118	-0.0360	-0.0036	-0.0007	0.0000	0.0249	-0.0477	-0.0035	0.0011	0.0000	
Barwick 2.4kV	0.0000	-0.0010	-0.0002	0.0003	0.0000	0.0000	-0.0009	-0.0001	0.0003	0.0000	0.0000	-0.0008	0.0000	0.0000	0.0000	0.0000	-0.0010	-0.0001	-0.0003	0.0000	0.0000	-0.0002	-0.0001	0.0004	0.0000	
Base 4.16kV	0.0379	-0.0046	-0.0081	0.0003	0.0018	0.0281	-0.0052	-0.0084	0.0003	0.0002	0.0513	-0.0054	-0.0087	0.0004	-0.0004	0.0990	-0.0058	-0.0086	0.0011	0.0000	0.1247	-0.0061	-0.0079	0.0008	0.0000	
Baseline 12kV	0.0268	-0.0630	-0.0316	0.0034	0.0047	0.0199	-0.0639	-0.0285	0.0041	-0.0007	0.0363	-0.0808	-0.0251	0.0039	0.0418	-0.0988	-0.0285	-0.0015	0.0004	0.0883	0.0883	-0.1119	-0.0210	0.0566	0.0000	
Bassett 12kV	0.0051	-0.0478	-0.0479	0.0022	0.0018	0.0038	-0.0487	-0.0467	0.0027	-0.0014	0.0069	-0.0464	-0.0464	0.0024	0.0003	0.0079	-0.0571	-0.0480	0.0010	-0.0018	0.0168	-0.0646	-0.0444	0.0043	0.0000	
Bass 12kV	0.0171	-0.0646	-0.0271	0.0049	0.0055	0.0127	-0.0632	-0.0222	0.0055	-0.0032	0.0321	-0.0604	-0.0182	0.0036	-0.0002	0.0266	-0.0779	-0.0222	-0.0046	-0.0013	0.0562	-0.0946	-0.0210	0.0074	-0.0004	
Bass 12kV	0.0075	-0.0887	-0.0727	0.0026	0.0069	0.0056	-0.0984	-0.0702	0.0033	0.0003	0.0102	-0.1025	-0.0180	0.0044	-0.0015	0.0117	-0.1285	-0.0720	-0.0106	-0.0022	0.0247	-0.0486	-0.0666	0.0077	-0.0004	
Bassoon 12kV	1.2413	-0.0308	-0.0559	0.0020	-0.0059	0.2579	-0.0344	-0.0574	0.0025	-0.0002	0.2929	-0.0374	-0.0596	0.0030	-0.0213	0.0344	-0.0389	-0.0504	0.0006	0.0000	0.0726	-0.0410	-0.0346	0.0040	0.0000	
Bateman 16kV	0.1909	-0.0693	-0.0428	0.0016	0.0065	0.0255	-0.0765	-0.0407	0.0020	-0.0001	0.0269	-0.0802	-0.0392	0.0017	-0.0007	0.0535	-0.1027	-0.0408	0.0007	0.0000	0.1130	-0.1226	-0.0048	0.0032	-0.0000	
Bath 4.16kV	0.0000	-0.0053	-0.0018	0.0025	0.0000	0.0000	-0.0051	-0.0015	0.0028	0.0000	0.0000	-0.0047	-0.00													

Facility	2018				2019				2020				2021				2022								
	se Demand (MW)	PV (MW) ¹⁸	EE (MW) ¹⁸	EV (MW) ¹⁸	LMDR (MW) ¹⁸	se Demand (MW)	PV (MW) ¹⁹	EE (MW) ¹⁹	EV (MW) ¹⁹	LMDR (MW) ¹⁹	se Demand (MW)	PV (MW) ²⁰	EE (MW) ²⁰	EV (MW) ²⁰	LMDR (MW) ²⁰	se Demand (MW)	PV (MW) ²¹	EE (MW) ²¹	EV (MW) ²¹	LMDR (MW) ²¹	se Demand (MW)	PV (MW) ²²	EE (MW) ²²	EV (MW) ²²	LMDR (MW) ²²
Bennett 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	0.0000	0.0829	-0.0954	-0.1186	-0.0010	0.0000	0.1753	-0.1026	-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
Benton 4.16kV	0.0445	-0.0076	-0.0044	0.0017	0.0011	0.0034	-0.0079	-0.0031	0.0020	-0.0003	0.0063	-0.0062	-0.0020	0.0039	-0.0006	0.0071	-0.0138	-0.0030	-0.0018	0.0000	0.0158	-0.0176	-0.0239	0.0017	-0.0009
Benton 12kV	0.0454	-0.0626	-0.0410	0.0025	0.0000	0.0327	-0.0628	-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	0.0025	-0.0135	-0.0067	0.0006	0.0000	0.0028	-0.0146	-0.0067	0.0008	0.0000	0.0262	-0.0152	-0.0066	0.0000	0.0000	0.0553	-0.0160	-0.0065	0.0014	0.0000
Berkley 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	0.0050	-0.0527	-0.0081	-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	-0.0004	0.0008	0.0000	0.0624	-0.0349	-0.0039	0.0037	0.0000
Benson 12kV	0.0059	-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	-0.0000	0.0102	-0.0676	-0.0436	0.0008	-0.0009	0.0215	-0.0738	-0.0403	0.0037	0.0000
Bermitz 15kV	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	-0.0940	-0.1058	0.0047	-0.0004	0.0188	-0.1002	-0.0977	0.0034	0.0000
Bermuda 12kV	0.0040	-0.0021	-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	0.0056	-0.0147	-0.0033	0.0011	0.0000	0.0103	-0.0143	-0.0014	0.0008	0.0000	0.0000	-0.0202	-0.0031	-0.0007	0.0000	0.0000	-0.0263	-0.0031	0.0014	0.0000
Bernice 12kV	0.0059	-0.0358	-0.0589	0.0019	0.0051	0.0044	-0.0400	-0.0602	0.0024	0.0009	0.0030	-0.0434	-0.0621	0.0028	-0.0161	0.0092	-0.0452	-0.0618	0.0006	0.0000	0.0195	-0.0476	-0.0571	0.0037	0.0000
Bertes 12kV	0.0240	-0.0374	-0.0602	0.0025	0.0074	0.0178	-0.0413	-0.0605	0.0030	-0.0005	0.0325	-0.0439	-0.0617	0.0026	-0.0002	0.0047	-0.0466	-0.0625	0.0011	0.0000	0.0099	-0.0499	-0.0575	0.0048	0.0000
Bertha 12kV	0.0059	-0.0748	-0.0261	0.0080	-0.0053	0.0044	-0.0751	-0.0212	0.0090	-0.0006	0.0360	-0.0733	-0.0064	0.0022	0.0092	-0.0993	-0.0211	-0.0007	-0.0018	0.0195	-0.1262	-0.0200	0.0139	0.0000	
Beryl 4.16kV	0.0059	-0.0210	-0.0254	0.0045	0.0000	0.0044	-0.0234	-0.0037	0.0055	0.0000	0.0080	-0.0241	-0.0014	0.0041	0.0000	0.0092	-0.0340	-0.0000	0.0000	0.0194	-0.0416	-0.0030	0.0073	0.0000	
Bessemer 12kV	0.0000	-0.0016	-0.0002	0.0001	0.0000	0.0000	-0.0018	-0.0001	0.0001	0.0000	0.0000	-0.0019	0.0000	0.0000	0.0000	0.0000	-0.0027	-0.0001	-0.0001	0.0000	0.0000	-0.0036	-0.0001	0.0001	0.0000
Beta 12kV	0.0045	-0.0893	-0.0420	0.0030	0.0044	0.0034	-0.0919	-0.0354	0.0037	-0.0017	0.0061	-0.0929	-0.3001	0.0032	-0.0023	0.0071	-0.1277	-0.0355	0.0013	-0.0009	0.0149	-0.1651	-0.0335	0.0059	-0.0013
Bexley 4.16kV	0.0000	-0.0141	-0.0056	0.0009	-0.0006	0.0000	-0.0146	-0.0036	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
Bianco 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	-0.0121	0.0116	-0.0009
Bidder 16kV	0.0108	-0.0024	-0.0011	0.0047	0.0000	0.0080	-0.0024	-0.0008	0.0057	0.0000	0.0147	-0.0024	-0.0006	0.0043	0.0000	0.0169	-0.0025	-0.0008	-0.0035	0.0000	0.0356	-0.0025	-0.0008	0.0076	0.0000
Bidwell 4.16kV	0.0000	-0.0129	-0.0044	0.0029	0.0000	0.0019	-0.0044	-0.0014	0.0000	-0.0014	0.0000	-0.0129	-0.0034	0.0025	0.0021	0.0000	-0.0185	-0.0027	-0.0004	-0.0000	0.0000	-0.0025	-0.0000	0.0000	0.0000
Big Cone 12kV	0.0174	-0.0642	-0.0228	0.0132	0.0007	0.0050	-0.0616	-0.0168	0.0149	-0.0012	0.0968	-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	0.0000	-0.0020	-0.0030	0.0004	0.0001	0.0000	-0.0022	-0.0029	0.0003	0.0000	0.0017	-0.0023	-0.0009	-0.0004	0.0000	0.0000	-0.0025	-0.0000	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	-0.0052	-0.0135	0.0013	0.0000
Big Rigg 12kV	0.0040	-0.0723	-0.0398	0.0025	0.0058	0.0030	-0.0736	-0.0350	0.0029	-0.0012	0.0054	-0.0733	-0.0311	0.0020	-0.0008	0.0063	-0.0885	-0.0342	-0.0002	-0.0013	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	-0.0964	-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	-0.0013
Bigelow 12kV	0.0059	-0.0514	-0.0376	0.0036	0.0007	0.0046	-0.0526	-0.0063	0.0043	0.0008	0.0590	-0.0543	-0.0356	0.0037	-0.0023	0.0588	-0.0680	-0.0372	0.0015	-0.0009	0.1454	-0.0824	-0.0344	0.0069	-0.0013
Bigfoot 4.16kV	0.0000	-0.0022	-0.0012	0.0000	0.0001	0.0000	-0.0024	-0.0012	0.0000	0.0002	0.0000	-0.0023	-0.0012	0.0000	-0.0004	0.0000	-0.0028	-0.0013	0.0000	0.0000	0.0000	-0.0031	-0.0012	0.0000	0.0000
Biggs 4.16kV	0.0084	-0.0065	-0.0012	0.0017	0.0000	0.0034	-0.0060	-0.0007	0.0020	0.0000	0.0014	-0.0053	-0.0003	0.0013	-0.0004	0.0066	-0.0066	-0.0007	-0.0016	-0.0004	0.0277	-0.0075	-0.0007	0.0026	0.0000
Big Horn 12kV	0.0138	-0.0615	-0.0379	0.0027	0.0002	0.0103	-0.0548	-0.0344	0.0030	-0.0049	0.0187	-0.0482	-0.0318	0.0021	-0.0105	0.0215	-0.0526	-0.0349	-0.0002	-0.0071	0.0455	-0.0547	-0.0326	0.0047	-0.0013
Bigler 4.8kV	0.0000	-0.0087	-0.0040	0.0000	0.0016	0.0000	-0.0080	-0.0036	0.0001	0.0000	0.0000	-0.0070	-0.0033	0.0000	-0.0007	0.0000	-0.0077	-0.0036	0.0000	-0.0022	0.0000	-0.0078	-0.0034	0.0001	-0.0004
Bill 12kV	0.0000	-0.0652	-0.0510	0.0021	0.0030	0.0000	-0.0689	-0.0482	0.0025	-0.0018	0.0000	-0.0709	-0.0461	0.0022	0.0012	0.0000	-0.0815	-0.0477	0.0009	-0.0013	0.0000	-0.0926	-0.0454	0.0040	0.0000
Billings 12kV	0.0000	-0.1748	-0.0250	0.0011	0.0076	0.0000	-0.0509	-0.0165	0.0014	0.0005	0.0108	-0.0180	-0.0264	0.0019	0.0006	0.0060	-0.0189	-0.0263	0.0044	0.0000	0.0127	-0.0197	-0.0243	0.0032	0.0000
Billy 12kV	0.0102	0.0000	0.0000	0.0000	0.0000	0.0075	0.0000	0.0000	0.0000	0.0000	0.0138	0.0000	0.0000	0.0000	0.0000	0.0158	0.0000	0.0000	0.0000	0.0000	0.0334	0.0000	0.0000	0.0001	0.0000
Billy Creek 4.16kV	0.0000	0.0000	-0.0003	0.0000	0.0000	0.0000	-0.0001	-0.0002	0.0000	0.0000	0.0000	-0.0001	-0.0001	0.0000	0.0000	0.0000	-0.0001	-0.0002	0.0000	0.0000	0.0000	-0.0001	-0.0002	0.0000	0.0000
Bilton 16kV	0.0088	-0.0786	-0.0387	0.0172	0.0050	0.0065	-0.0912	-0.0337	0.0194	-0.0021	0.0119	-0.0991	-0.0297	0.0126	-0.0002	0.0137	-0.1401	-0.0339	-0.0162	-0.0031	0.0289	-0.1788	-0.0318	0.0262	-0.0013
Bing 12kV	0.0443	-0.1324	-0.0460	0.0051	-0.0023	0.0329	-0.1324	-0.0392	0.0058	-0.0003	0.0600	-0.1129	-0.0335	0.0041	-0.0010	0.0690	-0.1340	-0.0385	-0.0005	-0.0009	0.1458	-0.1497	-0.0370	0.0090	-0.0022
Bingo 12kV	0.0199	-0.0341	-0.0389	0.0005	0.0000	0.0148	-0.0377	-0.0385	0.0007	0.0000	0.0270	-0.0405	-0.0385	0.0010	0.0000	0.0109	-0.0442	-0.0386	0.0000	0.0000	0.0230	-0.0488	-0.0363	0.0111	0.0000
Binnery 12kV	0.0238	-0.0835	-0.0423	0.0086	0.0000	0.0176	-0.0849	-0.0219	0.0097	-0.0036	0.0362	-0.0846	-0.0175	0.0063	-0.0005	0.0370	-0.1172								

Facility	2018				2019				2020				2021				2022								
	se Demand (MW)	PV (MW) ²¹	EE (MW) ²²	EV (MW) ²³	LMDR (MW) ²⁴	se Demand (MW)	PV (MW) ²¹	EE (MW) ²²	EV (MW) ²³	LMDR (MW) ²⁴	se Demand (MW)	PV (MW) ²¹	EE (MW) ²²	EV (MW) ²³	LMDR (MW) ²⁴	se Demand (MW)	PV (MW) ²¹	EE (MW) ²²	EV (MW) ²³	LMDR (MW) ²⁴					
Blueberry 12kV	0.0270	-0.1259	-0.0449	0.0025	0.0097	0.0200	-0.1301	-0.0418	0.0030	-0.0016	0.0366	-0.1276	-0.0397	0.0026	-0.0012	0.0420	-0.1648	-0.0426	0.0011	-0.0013	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	-0.0014	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
Bluehill 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
Bluemont 12kV	0.0594	-0.0488	-0.0225	0.0055	0.0048	0.0448	-0.0483	-0.0177	0.0063	-0.0008	0.0885	-0.0463	-0.0136	0.0031	-0.0003	0.0925	-0.0616	-0.0073	0.0018	0.0000	0.0136	-0.0175	-0.0072	0.0185	-0.0166
Boa 16kV	0.0015	-0.1036	-0.0328	0.0016	-0.0028	0.0101	-0.0976	-0.0288	0.0020	-0.0010	0.0020	-0.0867	-0.0555	0.0024	-0.0008	0.0023	-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	0.0003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-0.0003	0.0000	0.0000	0.0000	0.0000	0.0004	0.0000
Bobber 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
Bobbit 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	0.8403	-0.0612	-0.0143	0.0121	-0.0004	0.7554	-0.0585	-0.0084	0.0078	-0.0014	0.8867	-0.0785	-0.0137	0.0101	-0.0089	0.1833	-0.0976	-0.0134	0.0164	-0.0035
Bolton 12kV	0.3215	-0.0508	-0.0033	0.0000	0.0000	0.0785	-0.0085	-0.0032	0.0000	0.0000	0.8644	-0.0700	-0.0052	0.0000	0.0000	0.8673	-0.0073	-0.0032	0.0001	0.0000	0.1422	-0.0076	-0.0032	0.0000	0.0000
Bolshed 12kV	0.0167	-0.0281	-0.0213	0.0015	0.0000	0.0124	-0.0314	-0.0172	0.0017	0.0000	0.0277	-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
Bodkin 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	0.2121	-0.1644	-0.0318	-0.0202	0.0000	0.3297	-0.2225	-0.0298	0.0145	0.0000
Bogart 16kV	0.0742	-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	-0.0686	0.0069	-0.0009
Bogey 12kV	0.0437	-0.0149	-0.0040	0.0007	0.0000	0.0228	-0.0133	-0.0029	0.0008	0.0000	0.0074	-0.0111	-0.0020	0.0005	0.0000	0.0085	-0.0124	-0.0028	-0.0011	0.0000	0.0179	-0.0125	-0.0027	0.0010	0.0000
Bohemia 12kV	0.0594	-0.0489	-0.0153	0.0062	0.0000	0.0461	-0.0472	-0.0090	0.0070	0.0006	0.1609	-0.0462	-0.0035	0.0045	-0.0019	0.1850	-0.0603	-0.0083	-0.0058	-0.0009	0.3910	-0.0755	-0.0084	0.0095	-0.0004
Boise 12kV	0.0131	-0.0701	-0.0291	0.0037	0.0000	0.0060	-0.0597	-0.0714	0.0002	0.0000	0.0177	-0.0599	-0.0204	0.0028	0.0000	0.0204	-0.0879	-0.0242	0.0056	0.0000	0.0493	-0.1028	-0.0230	0.0052	0.0000
Boisland 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	0.0062	-0.0961	-0.0062	-0.0013	0.0000	0.0130	-0.1253	-0.0061	0.0027	0.0000
Bolivia 12kV	0.0062	-0.0139	-0.0215	0.0005	0.0000	0.0046	-0.0155	-0.0219	0.0006	-0.0001	0.0084	-0.0168	-0.0225	0.0008	-0.0001	0.0096	-0.0177	-0.0252	0.0018	0.0000	0.0204	-0.0188	-0.0208	0.0013	0.0000
Bollero 12kV	0.1619	-0.1418	-0.0235	0.0025	0.0007	0.1201	-0.1294	-0.0169	0.0030	-0.0025	0.0638	-0.1124	-0.0112	0.0026	-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	-0.0862	0.0012	0.0001	0.0295	-0.0772	-0.0869	0.0005	-0.0013	0.0623	-0.0841	-0.0500	0.0022	-0.0013
Bolton 16kV	0.0359	-0.0372	-0.0304	0.0006	0.0036	0.0267	-0.0398	-0.0247	0.0007	-0.0002	0.0487	-0.0418	-0.0199	0.0010	-0.0029	0.0560	-0.0581	-0.0244	0.0023	-0.0004	0.1183	-0.0796	-0.0232	0.0017	-0.0013
Bombardier 12kV	-0.0131	-0.1106	-0.0411	0.0023	0.0000	0.0421	-0.0128	-0.0025	-0.0018	0.0000	0.0218	-0.0126	-0.0199	0.0018	-0.0024	0.0359	-0.0134	-0.0117	-0.0002	-0.0018	0.0547	-0.0117	-0.0112	0.0028	0.0000
Bombay 12kV	0.0159	-0.0243	-0.0411	0.0007	0.0000	0.0097	-0.0240	-0.0009	0.0002	0.0000	0.0056	-0.0293	-0.0435	0.0010	-0.0002	0.0065	-0.0305	-0.0434	0.0002	0.0000	0.0137	-0.0322	-0.0040	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	-0.0017	0.0168	-0.0082	-0.0125	-0.0034	0.0000	0.0355	-0.0087	-0.0118	0.0005	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	-0.0071	0.0000	0.0000	0.0711	-0.0022	-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	-0.0008	0.0973	-0.0763	-0.0583	-0.0004	0.0000	0.2053	-0.0903	-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	-0.0019	0.0036	0.0000	0.0000	0.0000	-0.0019	0.0037	0.0000	0.0000	0.0000	-0.0012	0.0039	0.0000
Bonview 12kV	0.0540	-0.0071	-0.0007	0.0007	0.0000	0.0401	-0.0075	-0.0007	0.0009	0.0001	0.0731	-0.0076	-0.0007	0.0000	0.0000	0.8841	-0.0087	-0.0007	0.0002	0.0000	0.1777	-0.0096	-0.0007	0.0014	0.0000
Bonnie 4.16kV	0.0152	-0.0137	-0.0054	0.0043	0.0001	0.0112	-0.0139	-0.0039	0.0048	0.0004	0.0295	-0.0137	-0.0026	0.0031	0.0000	0.0236	-0.0188	-0.0038	-0.0040	0.0000	0.0624	-0.0235	-0.0037	0.0005	-0.0004
Bontanic 12kV	0.0714	-0.0555	-0.0275	0.0034	-0.0051	0.0530	-0.0535	-0.0256	0.0041	-0.0013	0.0098	-0.0495	-0.0244	0.0035	-0.0010	0.1112	-0.0588	-0.0261	0.0015	-0.0013	0.2351	-0.0643	-0.0243	0.0065	-0.0004
Bonview 12kV	0.0347	-0.0329	-0.0178	0.0016	0.0036	0.0257	-0.0336	-0.0147	0.0018	-0.0008	0.0470	-0.0335	-0.0121	0.0012	-0.0002	0.0540	-0.0444	-0.0146	-0.0001	-0.0009	0.1141	-0.0563	-0.0138	0.0027	-0.0018
Book 33kV	0.0258	0.0000	0.0000	0.0006	0.0000	0.0191	0.0000	0.0000	0.0007	0.0000	0.0349	0.0000	0.0000	0.0004	0.0000	0.0402	0.0000	0.0000	0.0000	0.0849	0.0000	0.0000	0.0009	0.0000	
Boone 12kV	0.4901	-0.0097	-0.0041	0.0002	0.0000	0.1213	-0.0106	-0.0040	0.0004	0.0000	0.7499	-0.0111	-0.0039	0.0005	0.0000	0.0861	-0.0118	-0.0040	0.0014	0.0000	0.1213	-0.0125	-0.0040	0.0008	0.0000
Booster 12kV	0.0463	-0.0528	-0.0218	0.0002	0.0000	0.0342	-0.0167	-0.0002	0.0003	0.0014	0.0623	-0.0390	-0.0177	0.0020	-0.0014	0.0718	-0.0414	-0.0195	0.0001	-0.0027	0.1518	-0.0415	-0.0185	0.0004	-0.0009
Boothill 12kV	0.1716	-0.0470	-0.0400	0.0070	-0.0062	0.1233	-0.0497	-0.0397	0.0079	-0.0002	0.0204	-0.0513	-0.0400	0.0051	0.0004	0.0234	-0.0612	-0.0409	-0.0066	-0.0004	0.0495	-0.0717	-0.0377	0.0108	0.0000
Boottlegger 12kV	0.0183	-0.0738	-0.0209	0.0177	0.0000	0.0136	-0.0603	-0.0138	0.0199	0.0000	0.0247	-0.0479	-0.0076	0.0131	0.0000	0.0285	-0.0549	-0.0131	-0.0264	0.0000	0.0601	-0.0577	-0.0129	0.0247	0.0000
Borba 12kV	0.0217	-0.0154	-0.0053	0.0015	0.0000	0.0182	-0.0170	-0.0052	0.0003	0.0000	0.0021	-0.0082	-0.0051	0.0032	0.0000	0.0217	-0.0196	-0.0052	0.0069	0.0000	0.0355	-0.0214	-0.0051	0.0041	0.0000
Borchard 16kV	1.8803	-0.0948	-0.0456	0.0118	0.0038	0.0596	-0.0428	-0.0133	0.0002	0.0000	1.0888	-0.0912	-0.0408	0.0086	-0.0026	1.2151	-0.1093	-0.0434	-0.0111	-0.0009	0.2645	-0.1228	-0.0405	0.0180	-0.0031
Borchers 12kV	0.0056	-0.0610	-0.0368	0.0078	0.0018	0.0000	-0.0625	-0.0325	0.0089	0.0007	0.0076	-0.0615	-0.0291	0.0063	-0.0012	0.0087	-0.0757	-0.0326	-0.0007	0.0000	0.0184	-0.0870	-0.0307	0.0137	-0.0027
Bordeaux 12kV	0.0094	-0.0474	-0.0270	0.0048	0.0005	0.0040	-0.0428	-0.0175	0.0054	-0.0003	0.0128	-0.0394	-0.0087	0.0035	-0.0030	0.0147	-0.0491	-0.0113	-0.0045	-0.0009	0.0161	-0.0569	-0.0109		

Facility	2018					2019					2020					2021					2022				
	se Demand (MW)	PV (MW) ²¹	EE (MW) ²¹	EV (MW) ²¹	LMDR (MW) ²¹	se Demand (MW)	PV (MW) ²¹	EE (MW) ²¹	EV (MW) ²¹	LMDR (MW) ²¹	se Demand (MW)	PV (MW) ²¹	EE (MW) ²¹	EV (MW) ²¹	LMDR (MW) ²¹	se Demand (MW)	PV (MW) ²¹	EE (MW) ²¹	EV (MW) ²¹	LMDR (MW) ²¹	se Demand (MW)	PV (MW) ²¹	EE (MW) ²¹	EV (MW) ²¹	LMDR (MW) ²¹
Breting 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	-0.1113	0.0097	0.0000	0.0136	-0.0883	-0.1616	-0.0194	0.0000	0.0288	-0.1067	-0.1577	0.0182	0.0000
Brewer 12kV	0.8096	-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	0.0000	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	0.0688	-0.0955	-0.0573	0.0008	-0.0017	0.0768	-0.1320	-0.0609	0.0018	-0.0009	0.1623	-0.1751	-0.0599	0.0013	-0.0009
Bride 12kV	0.1403	-0.0169	-0.0196	0.0006	0.0000	0.0082	-0.0194	-0.0194	0.0007	0.0000	0.0133	-0.0134	-0.0195	0.0000	0.0000	0.0130	-0.0218	-0.0197	0.0000	0.0000	0.0275	-0.0245	-0.0184	0.0016	0.0000
Brine 12kV	0.0217	-0.0361	-0.0351	0.0005	0.0010	0.0130	-0.0330	-0.0330	0.0051	0.0006	0.0268	-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	0.0046	0.0000	0.0232	-0.0057	-0.0024	0.0056	0.0000	0.0267	-0.0059	-0.0024	0.0198	0.0000	0.0564	-0.0662	-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	-0.0115	0.0080	-0.0556	-0.0120	-0.0009	-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	-0.0668	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	-0.0006	-0.0006	0.0000	0.0000	-0.0006	-0.0005	0.0018	0.0000
Brewer 12kV	0.0676	-0.0433	-0.0020	-0.0019	0.0335	-0.0595	-0.0384	-0.0024	-0.0016	0.0574	-0.0624	-0.0346	-0.0046	0.0021	-0.0013	0.0660	-0.0836	-0.0388	0.0009	-0.0013	1.1396	-0.1089	-0.0364	0.0039	-0.0188
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	1.1312	-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	-0.0616	-0.0068	-0.0017	0.0000	0.0000	-0.0856	-0.0065	0.0016	0.0000	
Brooks 4.16kV	0.0027	-0.0200	-0.0600	0.0018	0.0000	0.0020	-0.0235	-0.0039	0.0022	0.0000	0.0037	-0.0260	-0.0022	0.0017	0.0000	0.0042	-0.0394	-0.0037	-0.0014	0.0000	0.0089	-0.0523	-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	0.0029	-0.0004	0.0008	-0.0144	-0.0007	0.0019	0.0000	0.0010	-0.0188	-0.0020	-0.0024	0.0000	0.0020	-0.0227	-0.0020	0.0040	0.0000
Broome 12kV	0.7372	-0.0698	-0.0868	0.0022	0.0149	0.2840	-0.0764	-0.0861	0.0027	-0.0022	0.0000	-0.0816	-0.0866	0.0037	-0.0061	0.0000	-0.0916	-0.0881	0.0089	0.0000	0.0000	-0.1037	-0.0818	0.0065	0.0000
Brotherton 12kV	0.0471	-0.0676	-0.0326	0.0000	0.0048	0.0350	-0.0692	-0.0285	0.0042	-0.0031	0.0638	-0.0693	-0.0342	0.0029	-0.0024	0.0734	-0.0890	-0.0274	-0.0003	-0.0035	1.1551	-0.1094	-0.0263	0.0064	-0.0009
Brown 4.16kV	0.0114	-0.0097	-0.0007	0.0000	0.0000	0.0084	-0.0008	-0.0007	0.0000	0.0000	0.0159	-0.0009	-0.0007	0.0000	0.0000	0.0177	-0.0009	-0.0007	0.0000	0.0000	0.0374	-0.0010	-0.0007	0.0000	0.0000
Bruce Park 4.8kV	0.0000	-0.0021	-0.0053	0.0001	-0.0004	0.0000	-0.0194	-0.0039	0.0001	-0.0029	0.0000	-0.0158	-0.0026	0.0001	0.0000	0.0000	-0.0178	-0.0038	0.0000	-0.0049	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	0.0787	-0.0917	-0.0099	0.0015	0.0000	0.0905	-0.1072	-0.0152	-0.0030	0.0000	0.1912	-0.1129	-0.0147	0.0028	0.0000
Brumfield 12kV	0.0111	-0.0860	-0.0081	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	-0.0031	-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	0.0039	-0.0256	-0.0014	0.0039	0.0000	0.0044	-0.0409	-0.0033	-0.0004	0.0000	0.0094	-0.0574	-0.0033	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	-0.0022	0.0598	-0.1872	-0.0092	0.0113	-0.0027
Bruce 12kV	0.0290	-0.0593	-0.0537	0.0024	0.0071	0.0215	-0.0624	-0.0027	0.0011	-0.0011	0.0392	-0.0624	-0.0483	0.0000	0.0000	0.0451	-0.0757	-0.0002	-0.0002	0.0000	0.0515	-0.0748	-0.0042	0.0042	-0.0013
Bryant 16kV	0.0219	-0.0191	-0.0322	0.0008	0.0000	0.0036	-0.0214	-0.0330	0.0010	0.0000	0.0297	-0.0232	-0.0341	0.0014	0.0000	0.0341	-0.0244	-0.0340	0.0024	0.0000	0.0721	-0.0260	-0.0313	0.0012	0.0000
Bryce 16kV	0.0313	-0.0879	-0.0697	0.0017	0.0113	0.0232	-0.1031	-0.0641	0.0022	-0.0010	0.0424	-0.1155	-0.0601	0.0026	-0.0018	0.0488	-0.1633	-0.0651	0.0005	-0.0018	1.0131	-0.2138	-0.0630	0.0035	-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	-0.0013	2.053	-0.0924	-0.0104	0.0014	-0.0009
Bryn Mawr 12kV	0.0175	-0.0476	-0.0185	0.0056	0.0026	0.0130	-0.0451	-0.0139	0.0064	-0.0005	0.0238	-0.0416	-0.0100	0.0045	-0.0004	0.0273	-0.0527	-0.0136	-0.0005	-0.0009	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	-0.0522	0.0013	0.0000	0.0281	-0.0392	-0.0139	0.0006	0.0000	0.0593	-0.0413	-0.0480	0.0016	0.0000
Buckano 16kV	0.0687	-0.0640	-0.0501	0.0039	0.0047	0.0510	-0.0688	-0.0465	0.0047	0.0008	0.0931	-0.0708	-0.0438	0.0041	-0.0001	0.1070	-0.0884	-0.0471	0.0017	-0.0013	2.2262	-0.1084	-0.0442	0.0076	-0.0018
Buckboard 12kV	0.1986	-0.1006	-0.0272	0.0057	0.0000	0.0132	-0.0927	-0.0219	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	-0.0993	-0.0205	0.0093	0.0000
Buckhorn 16kV	0.0041	-0.1290	-0.0380	0.0042	0.0197	0.0030	-0.1255	-0.0227	0.0047	-0.0038	0.0055	-0.1160	-0.0283	0.0030	0.0022	0.0051	-0.1333	-0.0325	-0.0039	-0.0004	0.0108	-0.1419	-0.0313	0.0064	-0.0018
Buckner 16kV	0.0701	-0.0892	-0.0385	0.0074	-0.0021	0.0520	-0.0851	-0.0336	0.0084	-0.0007	0.0950	-0.0794	-0.0297	0.0059	-0.0006	1.0092	-0.0986	-0.0338	-0.0007	-0.0004	2.308	-0.1152	-0.0317	0.0129	-0.0022
Buckthorn 12kV	0.0251	-0.0779	-0.0210	0.0016	0.0000	0.0186	-0.0771	-0.0137	0.0020	0.0000	0.0340	-0.0744	-0.0073	0.0003	0.0391	-0.0999	-0.0128	-0.0012	0.0000	0.0825	-0.1250	-0.0129	0.0026	0.0000	
Budd 12kV	0.4044	-0.0393	-0.0267	0.0000	0.0000	0.0593	-0.0434	-0.0262	0.0000	0.0000	0.0685	-0.0467	-0.0259	0.0000	0.0000	0.6773	-0.0493	-0.0260	0.0000	0.0000	1.066	-0.0522	-0.0253	0.0000	0.0000
Budlong 4.16kV	0.0000	-0.0236	-0.0066	0.0016	0.0000	0.0000	-0.0092	-0.0019	0.0000	0.0000	0.0000	-0.0338	-0.0023	0.0000	0.0000	0.0000	-0.0543	-0.0012	0.0000	0.0000	0.0000	-0.0783	-0.0040	0.0025	0.0000
Buffalo 12kV	0.0217	-0.2898	-0.0127	0.0115	0.0018	0.0000	0.0211	-0.0122	0.0020	0.0000	0.0404	-0.2443	-0.0121	0.0013	0.0000	0.0464	-0.0291	-0.0126	-0.0026	0.0000	0.0962	-0.3233	-0.0116	0.0024	0.0000
Buffer 16kV	0.0259	-0.0880	-0.0157	0.0437	-0.0002	0.0192	-0.0897	-0.0091	0.0492	0.0004	0.0351	-0.0888	-0.0304	0.0319	-0.0010	0.0404	-0.1214	-0.0084	-0.0411	-0.0013	0.0853	-0.1487	-0.0805	0.0666	0.0000
Buford 12kV	0.0299	-0.0608	-0.0465	0.0023	0.0076	0.0252	-0.0646	-0.0439	0.0028	-0.0012	0.0455	-0.0670	-0.0421	0.0039	-0.0023	0.0465	-0.0748	-0.0405	0.0092	-0.0009	0.9984	-0.1007	-0.0415	0.0067	-0.0022
Bug 33kV	0.3461	-0.0266	-0.0481	0.0000	0.0000	0.0368	-0.0298	-0.0094	0.0001	0.0000	0.0672	-0.0324	-0.0512	0.0001	0.0000	0.0772	-0.0337	-0.0511	0.0002	0.0000	1.632	-0.0355	-0.0469	0.0001	0.0000
Budge 12kV	0.0166	-0.0197	-0.0289	0.0034	-0.0059	0.0123	-0.0182	-0.0238	0.0039	-0.0036	0.0225	-0.0174	-0.0197	0.0028	-0.0012	0.0259	-0.0180	-0.0238	-0.0003	-0.0035	0.0547	-0.0183	-0.0225	0.0060	-0.0004
Building 12kV	0.0051	-0.0663	-0.0501	0.0037	0.0105	0.0038	-0.0675	-0.0376	0.0044	-0.0016	0.0669	-0.0659	-0.0668	0.0039	-0.0004	0.0079	-0.0803	-0.03							

Facility	2018					2019					2020					2021					2022					
	se Demand (MW)	PV (MW) ²¹	EE (MW) ²²	EV (MW) ²³	LMDR (MW) ²⁴	se Demand (MW)	PV (MW) ²¹	EE (MW) ²²	EV (MW) ²³	LMDR (MW) ²⁴	se Demand (MW)	PV (MW) ²¹	EE (MW) ²²	EV (MW) ²³	LMDR (MW) ²⁴	se Demand (MW)	PV (MW) ²¹	EE (MW) ²²	EV (MW) ²³	LMDR (MW) ²⁴	se Demand (MW)	PV (MW) ²¹	EE (MW) ²²	EV (MW) ²³	LMDR (MW) ²⁴	
Cadena 16kV	0.0244	-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	0.0000	0.0803	-0.0699	-0.0265	0.0060	0.0000	
Cadillac 12kV	0.0424	-0.0328	-0.0417	0.0016	0.0074	0.0315	-0.0316	-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	0.0007	-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	
Cadmon 12kV	0.0126	-0.0331	-0.0218	0.0025	0.0006	0.0094	-0.0159	-0.0095	0.0038	0.0006	0.0101	-0.0275	-0.0076	0.0019	0.0000	0.0123	-0.0438	-0.0041	-0.0024	0.0000	0.0259	-0.0042	-0.0184	0.0033	0.0000	
Cadway 16kV	0.0098	-0.1188	-0.0429	0.0011	0.0082	0.0076	-0.1404	-0.0357	0.0014	-0.0006	0.0133	-0.1580	-0.0297	0.0017	-0.0029	0.0153	-0.2366	-0.0302	0.0003	-0.0013	0.0324	-0.1713	-0.0377	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	-0.0745	-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	-0.0087	-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	-0.0135	-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	-0.0733	-0.0497	0.0037	-0.0005	0.1538	-0.0529	-0.0503	0.0007	-0.0004	0.2871	-0.0569	-0.0463	0.0049	0.0000	
Calabasas 16kV	0.0087	-0.0435	-0.0330	0.0025	0.0050	0.0087	-0.0408	-0.0290	0.0028	-0.0040	0.0087	-0.0379	-0.0360	0.0020	-0.0014	0.0087	-0.0422	-0.0293	-0.0002	-0.0049	0.0080	-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	-0.0012	-0.0014	0.0001	0.0000	0.0000	-0.0010	-0.0004	0.0000	0.0000	
Cairns 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	0.0010	-0.0125	-0.0017	-0.0022	-0.0004	0.0020	-0.0150	-0.0017	0.0036	0.0000	
Cal Poly 12kV	0.0000	-0.0504	-0.0246	0.0024	0.0048	0.0000	-0.0559	-0.0221	0.0029	-0.0008	0.0000	-0.0589	-0.0201	0.0025	-0.0001	0.0000	-0.0781	-0.0218	0.0010	0.0000	0.0010	-0.0958	-0.0208	0.0046	0.0000	
Cal Strip 16kV	0.0315	-0.0525	-0.0659	0.0007	0.0000	0.0234	-0.0586	-0.0644	0.0008	0.0000	0.0427	-0.0623	-0.0639	0.0012	0.0000	0.0491	-0.0707	-0.0653	0.0019	0.0000	0.1037	-0.0807	-0.0609	0.0018	0.0000	
Callabasa 16kV	0.0255	-0.0529	-0.0412	0.0024	-0.0009	0.0190	-0.0625	-0.0134	0.0042	-0.0017	0.0346	-0.0589	-0.0368	0.0036	-0.0004	0.0398	-0.0784	-0.0126	0.0015	-0.0018	0.0841	-0.0940	-0.0475	0.0067	-0.0018	
Calabash 12kV	0.0040	-0.0444	-0.0309	0.0024	0.0000	0.0030	-0.0273	-0.0442	0.0011	0.0004	0.0025	-0.0297	-0.0458	0.0009	-0.0004	0.0063	-0.0308	-0.0457	0.0004	0.0000	0.0132	-0.0325	-0.0420	0.0017	0.0000	
Calamar 12kV	0.0321	-0.0117	-0.0030	0.0008	0.0000	0.0238	-0.0108	-0.0019	0.0009	0.0000	0.0435	-0.0091	-0.0101	0.0006	0.0000	0.0500	-0.0104	-0.0018	-0.0014	0.0000	0.1057	-0.0109	-0.0018	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	-0.0032	0.0155	-0.0103	-0.0059	0.0001	0.0000	0.0328	-0.0122	-0.0055	0.0003	0.0000	
Calcedia 12kV	0.0000	-0.0001	-0.0002	0.0000	0.0000	0.0000	-0.0002	0.0000	0.0000	0.0000	0.0000	-0.0001	-0.0001	0.0000	0.0000	0.0000	-0.0001	-0.0002	0.0000	0.0000	0.0000	-0.0001	-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	0.0054	-0.0022	0.0052	-0.1200	-0.0351	0.0022	-0.0009	0.0110	-0.1433	-0.0322	0.0099	-0.0035	
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	-0.0001	0.0822	-0.0804	-0.0295	-0.0009	-0.0040	0.1737	-0.0926	-0.0281	0.0015	-0.0009	
Calum 12kV	0.0418	-0.0400	-0.0089	0.0074	0.0000	0.0418	-0.0037	-0.0008	0.0084	0.0000	0.0418	-0.0037	-0.0008	0.0084	0.0000	0.0418	-0.0037	-0.0008	0.0084	0.0000	0.0418	-0.0037	-0.0008	0.0084	0.0000	
Calgrove 16kV	0.0000	-0.0776	-0.0442	0.0112	0.0020	0.0020	-0.0780	-0.0020	0.0020	-0.0013	0.0020	-0.0780	-0.0020	0.0020	-0.0013	0.0020	-0.0780	-0.0020	0.0020	-0.0013	0.0020	-0.0780	-0.0020	0.0020	-0.0013	
Caliber 12kV	0.0046	-0.0878	-0.0333	0.0019	0.0000	0.0034	-0.0837	-0.0287	0.0025	0.0000	0.0000	-0.0776	-0.0248	0.0036	0.0000	0.0000	-0.0901	-0.0277	0.0037	0.0000	0.0152	-0.0996	-0.0269	0.0047	0.0000	
Calico 12kV	0.0051	-0.0855	-0.0358	0.0026	0.0030	0.0038	-0.0951	-0.0310	0.0029	0.0005	0.0069	-0.1008	-0.0242	0.0021	-0.0023	0.0080	-0.1424	-0.0312	-0.0002	-0.0013	0.0169	-0.1002	-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	-0.1144	-0.0086	0.0000	-0.0011	-0.0027	0.0000	-0.1463	-0.0134	0.0005	-0.0022	0.0000	-0.1152	-0.0131	0.0021	-0.0018
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	
Calimesa 12kV	0.0104	-0.0713	-0.0412	0.0010	0.0038	0.0097	-0.0695	-0.0385	0.0013	-0.0044	0.0141	-0.0649	-0.0367	0.0015	-0.0010	0.0152	-0.0755	-0.0392	0.0003	0.0000	0.0342	-0.0832	-0.0365	0.0020	0.0000	
Calla 12kV	0.0056	-0.0423	-0.0151	0.0009	0.0039	0.0041	-0.0450	-0.0120	0.0011	-0.0005	0.0076	-0.0450	-0.0111	0.0014	0.0001	0.0087	-0.0591	-0.0127	0.0003	-0.0004	0.0184	-0.0696	-0.0122	0.0018	0.0000	
Calland 12kV	0.0307	-0.0439	-0.0120	0.0004	0.0018	0.0228	-0.0473	-0.0085	0.0005	-0.0024	0.0416	-0.0476	-0.0055	0.0004	0.0047	0.0594	-0.0664	-0.0082	0.0002	-0.0009	0.1012	-0.0814	-0.0079	0.0008	-0.0013	
Callaway 12kV	0.0146	-0.0520	-0.0460	0.0012	0.0154	0.0109	-0.0526	-0.0461	0.0014	-0.0021	0.0198	-0.0523	-0.0470	0.0010	-0.0024	0.0228	-0.0588	-0.0475	-0.0001	0.0000	0.0482	-0.0648	-0.0438	0.0021	-0.0004	
Calli Valli 12kV	0.0108	-0.0876	-0.0136	0.0018	0.0000	0.0080	-0.0742	-0.0087	0.0021	0.0000	0.0146	-0.0592	-0.0045	0.0014	0.0000	0.0168	-0.0654	-0.0081	-0.0027	0.0000	0.0355	-0.0469	-0.0081	0.0026	0.0000	
Callison 12kV	0.7040	-0.0247	-0.0106	0.0001	0.0000	0.0240	-0.0273	-0.0103	0.0001	0.0000	0.0376	-0.0293	-0.0100	0.0001	0.0000	0.0432	-0.0312	-0.0103	-0.0001	0.0000	0.0914	-0.0331	-0.0103	0.0002	0.0000	
Callum 12kV	0.0293	-0.0293	-0.0262	0.0013	0.0020	1.5435	-0.0329	-0.0247	0.0016	-0.0020	0.0218	-0.0363	-0.0238	0.0022	-0.0004	0.0251	-0.0492	-0.0252	0.0053	0.0000	0.0530	-0.0639	-0.0244	0.0039	0.0000	
Callmen 12kV	0.0255	-0.0423	-0.0578	0.0005	0.0000	0.0189	-0.0473	-0.0583	0.0006	0.0000	0.0346	-0.0514	-0.0594	0.0009	0.0000	0.0398	-0.0534	-0.0588	0.0014	0.0000	0.0840	-0.0563	-0.0551	0.0013	0.0000	
Calol 12kV	0.5040	-0.0755	-0.0587	0.0165	0.0032	0.1688	-0.0792	-0.0538	0.0186	-0.0009	0.0000	-0.0810	-0.0503	0.0121	0.0007	0.0000	-0.1013	-0.0547	-0.0156	-0.0013	0.0000	-0.1231	-0.0510	0.0252	0.0000	
Calora 12kV	0.0531	-0.0576	-0.0531	0.0013	0.0075	0.0432	-0.0631	-0.0511	0.0016	-0.0024	0.0865	-0.0670	-0.0497	0.0019	0.0008	0.0973	-0.0752	-0.0502	0.0004	-0.0009	0.2053	-0.0045	-0.0480	0.0025	-0.0009	
Calspa 12kV	0.0714	-0.1076	-0.0207	0.0108	-0.0003	0.0530	-0.0996	-0.0145	0.0123	-0.0007	0.0968	-0.0876	-0.0092	0.0087	-0.0012	0.1112	-0.1082	-0.0140	-0.0010	-0.0022	0.2351	-0.1203	-0.0136	0.0189	-0.0018	
Calstat 12kV	0.0311	-0.0576	-0.0380	0.0014	0.0000	0.0201	-0.0604	-0.0373	0.0016	0.0000	0.0422	-0.0620	-0.0373	0.0011	0.0000	0.0485	-0.0688	-0.0384	-0.0025	0.0000	0.1025	-0.0756	-0.0355	0.0018	0.0000	
Calvo 12kV	0.0082	-0.0633	-0.0298	0.0054	0.0027	0.0135	-0.0626	-0.0227	0.0061	-0.0005	0.0246	-0.0604	-0.0349	0.0043	-0.											

Facility	2018					2019					2020					2021					2022				
	se Demand (MW)	PV (MW) ²¹	EE (MW) ²¹	EV (MW) ²¹	LMDR (MW) ²¹	se Demand (MW)	PV (MW) ²¹	EE (MW) ²¹	EV (MW) ²¹	LMDR (MW) ²¹	se Demand (MW)	PV (MW) ²¹	EE (MW) ²¹	EV (MW) ²¹	LMDR (MW) ²¹	se Demand (MW)	PV (MW) ²¹	EE (MW) ²¹	EV (MW) ²¹	LMDR (MW) ²¹	se Demand (MW)	PV (MW) ²¹	EE (MW) ²¹	EV (MW) ²¹	LMDR (MW) ²¹
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	-0.0035	0.0482	-0.1192	-0.0134	0.0092	-0.0031
Carlet 12kV	0.0531	-0.0287	-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	-0.0236	-0.0079	-0.0013	0.2063	-0.0020	-0.0220	0.0128	-0.0133
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	0.0000	0.0059	-0.0014	0.0000	0.0000	0.0000	0.0125	-0.0017	0.0000	0.0000	0.0000
Carlton 12kV	0.0287	-0.0709	-0.0171	0.0053	0.0019	0.0065	-0.0693	-0.0141	0.0060	0.0004	0.0039	-0.0641	-0.0116	0.0033	-0.0021	0.0136	-0.0923	-0.0140	-0.0051	-0.0013	0.0189	-0.0254	-0.0016	0.0093	-0.0034
Carlyle 4.16kV	0.0037	-0.0120	-0.0038	0.0022	0.0005	0.0028	-0.0028	0.0027	-0.0002	0.0000	0.0000	-0.0110	-0.0019	0.0023	0.0000	0.0058	-0.0141	-0.0027	0.0010	0.0000	0.0122	-0.0014	-0.0026	0.0003	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
Carmelita 12kV	0.0627	-0.0989	-0.0194	0.0018	0.0000	0.0627	-0.0914	-0.0124	0.0000	-0.0007	0.0627	-0.0822	-0.0062	0.0014	-0.0004	0.0627	-0.1065	-0.0116	-0.0002	-0.0027	0.0131	-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
Carroll 16kV	0.0184	-0.1524	-0.0573	0.0143	0.0001	0.0136	-0.1498	-0.0507	0.0389	0.0000	0.0349	-0.1772	-0.0456	0.0269	0.0000	0.0386	-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	0.0177	0.0401	-0.0615	-0.0403	0.0008	-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	0.0050	-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	-0.0664	0.0019	0.0000	0.0265	-0.0722	-0.0661	0.0014	-0.0007	0.0304	-0.0852	-0.0682	-0.0002	-0.0009	0.0643	-0.0976	-0.0630	0.0030	-0.0004
Carroll 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	0.0346	-0.1165	-0.0161	-0.0040	0.0000	0.0731	-0.1280	-0.0154	0.0088	0.0000
Carr 12kV	0.0432	-0.0529	-0.0266	0.0027	0.0024	0.0320	-0.0563	-0.0231	0.0030	-0.0007	0.0585	-0.0586	-0.0202	0.0020	0.0002	0.0673	-0.0755	-0.0223	-0.0025	-0.0004	0.1422	-0.0950	-0.0217	0.0041	-0.0009
Carriage 12kV	0.0351	-0.0260	-0.0240	0.0047	-0.0003	0.0260	-0.0163	0.0054	-0.0027	0.0037	0.0475	-0.0201	-0.0098	0.0038	-0.0023	0.0547	-0.0233	-0.0156	-0.0004	-0.0066	0.1155	-0.0254	-0.0153	0.0083	-0.0009
Caribear 12kV	0.0115	-0.0159	-0.0038	0.0003	0.0019	0.0085	-0.0146	-0.0189	0.0043	0.0000	0.0156	-0.0138	-0.0159	0.0028	-0.0003	0.0179	-0.0143	-0.0189	0.0036	-0.0031	0.0379	-0.0145	-0.0178	0.0058	-0.0013
Carrier 12kV	0.0171	0.0000	-0.0001	0.0011	0.0000	0.0127	0.0000	-0.0001	0.0015	0.0000	0.0332	-0.0001	-0.0001	0.0000	0.0267	-0.0001	-0.0001	0.0004	0.0000	0.0564	-0.0001	-0.0001	0.0024	0.0000	
Cart 12kV	0.1617	-0.0550	-0.0500	0.0028	-0.0036	0.0038	-0.0588	-0.0482	0.0034	-0.0017	0.0069	-0.0612	-0.0471	0.0029	-0.0004	0.0080	-0.0725	-0.0486	0.0012	-0.0009	0.0169	-0.0848	-0.0455	0.0004	-0.0009
Carter 4.16kV	0.0000	-0.0173	-0.0068	0.0023	0.0004	0.0000	-0.0208	-0.0445	0.0026	0.0004	0.0000	-0.0243	-0.0026	0.0018	-0.0004	0.0000	-0.0389	-0.0043	-0.0002	-0.0009	0.0000	-0.0554	-0.0043	0.0040	-0.0018
Cartmill 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	0.0000	0.0378	-0.0420	-0.0011	-0.0008	0.0000	0.0798	-0.0473	-0.0198	0.0007	0.0000
Carver 12kV	0.5364	-0.0161	-0.0083	0.0003	0.0059	0.1385	-0.0198	-0.0081	0.0003	-0.0018	1.050	-0.0195	-0.0090	0.0004	0.0017	0.1997	-0.0204	-0.0081	0.0001	0.0000	0.2319	-0.0216	-0.0080	0.0005	0.0000
Casa Loma 4.16kV	0.0246	-0.0246	-0.0042	0.0004	0.0000	0.0000	-0.0000	-0.0000	0.0000	0.0000	0.0000	-0.0013	0.0010	-0.0009	0.0010	0.0285	-0.0013	-0.0009	0.0000	0.0000	0.0266	-0.0023	-0.0013	-0.0009	0.0000
Casals 12kV	0.0558	-0.0901	-0.0252	0.0022	0.014	0.0414	-0.0908	-0.0188	0.0025	-0.0029	0.0756	-0.0894	-0.0134	0.0017	-0.0019	0.0899	-0.1242	-0.0184	-0.0002	-0.0035	0.1837	-0.1616	-0.0177	0.0038	-0.0022
Cascada 12kV	0.0000	-0.0005	-0.0007	0.0000	0.0000	0.0000	-0.0005	-0.0004	0.0000	0.0000	0.0000	-0.0006	-0.0002	0.0000	0.0000	0.0000	-0.0006	-0.0004	0.0000	0.0000	0.0000	-0.0007	-0.0004	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	-0.0187	-0.0070	0.0000	0.0000	0.1780	-0.0209	-0.0071	0.0165	0.0000
Case 33kV	0.0361	-0.0001	-0.0002	0.0030	0.0000	0.0000	0.0268	-0.0002	0.0002	0.0034	0.0000	0.0489	-0.0002	-0.0002	0.0000	0.0562	-0.0002	-0.0002	-0.0045	0.0000	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	0.0005	0.0043	-0.0267	-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	0.0715	-0.2123	-0.0404	0.0054	0.0000	0.0140	-0.1207	-0.0330	0.0062	0.0002	0.0256	-0.1137	-0.0270	0.0043	0.0095	-0.1514	-0.0139	-0.0005	-0.0027	0.0000	0.1889	-0.0312	-0.0188	0.0095	0.0000
Casper 4.16kV	0.0000	-0.0001	-0.0001	0.0005	0.0000	0.0000	-0.0002	-0.0001	0.0000	0.0000	0.0000	-0.0002	-0.0001	0.0000	0.0000	0.0000	-0.0002	-0.0001	-0.0004	0.0000	0.0000	-0.0003	-0.0001	0.0007	0.0000
Caspian 12kV	0.0324	-0.0531	-0.0105	0.0021	0.0000	0.0240	-0.0589	-0.0081	0.0024	0.0000	0.0439	-0.0604	-0.0060	0.0017	0.0000	0.0505	-0.0829	-0.0079	-0.0039	0.0000	0.1066	-0.0997	-0.0076	0.0028	0.0000
Cassidy 16kV	0.0073	-0.0558	-0.0543	0.0017	0.0055	0.0054	-0.0581	-0.0535	0.0021	-0.0020	0.0099	-0.0591	-0.0536	0.0028	-0.0010	0.0114	-0.0677	-0.0546	0.0068	-0.0004	0.0242	-0.0763	-0.0507	0.0049	0.0000
Cassini 12kV	0.0046	-0.0239	-0.0366	0.0008	0.0000	0.0034	-0.0268	-0.0372	0.0010	0.0000	0.0062	-0.0291	-0.0383	0.0015	0.0000	0.0071	-0.0302	-0.0380	0.0000	0.0150	-0.0318	-0.0353	0.0017	0.0000	
Castillo 4.16kV	0.0005	-0.0353	-0.0059	0.0028	0.0000	0.0004	-0.0326	-0.0042	0.0032	0.0000	0.0007	-0.0278	-0.0028	0.0021	0.0000	0.0008	-0.0320	-0.0041	-0.0042	0.0000	0.0017	-0.0325	-0.0039	0.0039	0.0000
Castle Butte 33kV	10.5200	-0.0998	-0.0141	0.0018	0.0000	0.0000	0.1090	-0.0110	0.0000	0.0000	0.0872	-0.0119	-0.0150	0.0004	0.0000	0.1003	-0.0124	-0.0150	-0.0017	0.0000	0.2120	-0.0130	-0.0188	0.0027	0.0000
Castlerock 12kV	0.0510	-0.0026	-0.0055	0.0000	0.0006	0.0378	-0.0029	-0.0051	0.0000	0.0006	0.0691	-0.0031	-0.0048	0.0000	-0.0017	0.0794	-0.0032	-0.0052	0.0000	-0.0013	0.1679	-0.0034	-0.0048	0.0000	-0.0004
Castro 16kV	0.0098	-0.0903	-0.0340	0.0060	-0.0015	0.0073	-0.1061	-0.0287	0.0068	0.0000	0.0133	-0.1189	-0.0243	0.0044	-0.0014	0.0153	-0.1743	-0.0283	-0.0057	-0.0009	0.0324	-0.2312	-0.0271	0.0092	-0.0027
Caswell 16kV	0.2337	-0.0312	-0.0333	0.0007	0.0000	0.0000	0.0272	-0.0332	0.0009	0.0000	0.0497	-0.0332	-0.0032	0.0013	0.0000	0.0572	-0.0933	-0.0328	0.0013	0.0000	0.1209	-0.0015	-0.0312	0.0017	0.0000
Catalina 4.16kV	0.0059	-0.0104	-0.0052	0.0086	0.0000	0.0004	-0.0107	-0.0030	0.0097	0.0000	0.0080	-0.0108	-0.0011	0.0064	0.0000	0.0092	-0.0158	-0.0028	0.0128	0.0000	0.0194	-0.0216	-0.0028	0.0120	0.0000
Catalytic 12kV	0.0206	-0.0131	-0.0137	0.0006	0.0042	0.0153	-0.0123	-0.0138	0.0007	-0.0005	0.0279	-0.0134	-0.0139	0.0010	-0.0002	0.0321	-0.0141	-0.0137	0.0024	0.0000	0.0678	-0.0150	-0.0130	0.0018	0.0000
Cataract 12kV	0.0531	-0.1015	-0.0305	0.0106	0.0000	0.0432	-0.1027	-0.0171	0.0120	-0.0003	0.0865	-0.0988	-0.0117	0.0078	-0.0045	0.0973	-0.1319	-							

Facility	2018					2019					2020					2021					2022					
	se Demand (MW)	PV (MW) ²¹	EE (MW) ²¹	EV (MW) ²¹	LMDR (MW) ²¹	se Demand (MW)	PV (MW) ²¹	EE (MW) ²¹	EV (MW) ²¹	LMDR (MW) ²¹	se Demand (MW)	PV (MW) ²¹	EE (MW) ²¹	EV (MW) ²¹	LMDR (MW) ²¹	se Demand (MW)	PV (MW) ²¹	EE (MW) ²¹	EV (MW) ²¹	LMDR (MW) ²¹	se Demand (MW)	PV (MW) ²¹	EE (MW) ²¹	EV (MW) ²¹	LMDR (MW) ²¹	
Chapman 4.16kV	0.0038	-0.0092	-0.0026	0.0019	0.0000	0.0028	-0.0095	-0.0015	0.0023	0.0000	0.0051	-0.0095	-0.0005	0.0020	0.0000	0.0000	-0.0137	-0.0013	0.0008	0.0000	0.0000	0.0000	-0.0175	-0.0014	0.0036	0.0000
Chardonway 12kV	0.0094	-0.0455	-0.0167	0.0206	0.0004	0.0078	-0.0413	-0.0114	0.0233	0.0000	0.0128	-0.0366	-0.0069	0.0151	-0.0114	0.0147	-0.0437	-0.0109	-0.0194	-0.0009	0.0311	-0.0491	-0.0108	0.0315	0.0000	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	-0.0212	0.0214	0.0148	0.0000	0.0000	-0.0892	-0.0202	-0.0345	0.0000	0.0000	-0.1147	-0.0198	0.0248	0.0000
Chartot 16kV	0.0341	-0.0679	-0.0339	0.0238	0.0000	0.0000	-0.0679	-0.0339	0.0238	0.0000	0.0000	-0.0679	-0.0339	0.0238	0.0000	0.0000	0.0000	-0.0679	-0.0339	0.0238	0.0000	0.0000	-0.0679	-0.0339	0.0238	0.0000
Charly 4.16kV	0.0004	-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	0.0000
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	0.0000
Charleville 4.16kV	0.0000	-0.0119	-0.0103	0.0028	0.0000	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	-0.0011	-0.0040	0.0000	-0.0233	-0.0087	0.0050	-0.0009	0.0000
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	0.0000
Charlton 12kV	0.0599	-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	0.0000
Chartreuse 12kV	0.0058	-0.0398	-0.0465	0.0014	0.0081	0.0043	-0.0435	-0.0361	0.0017	-0.0023	0.0079	-0.0456	-0.0465	0.0014	0.0012	0.0990	-0.0512	-0.0475	0.0006	0.0000	0.0191	-0.0558	-0.0438	0.0035	0.0000	
Chateau 33kV	0.1296	0.0000	0.0000	0.0005	0.0000	0.0954	0.0000	0.0000	0.0006	0.0000	0.1743	0.0000	0.0000	0.0004	0.0000	0.2004	0.0000	0.0000	-0.0005	0.0000	0.4235	0.0000	0.0000	0.0008	0.0000	
Cherwell 4.16kV	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	0.0036	-0.0019	0.0285	-0.0865	-0.0227	-0.0047	-0.0009	0.0603	-0.1035	-0.0213	0.0076	-0.0013	0.0000
Chavez 12kV	0.0000	-0.0013	-0.0033	0.0000	0.0001	0.0000	-0.0014	-0.0029	0.0000	0.0010	0.0000	-0.0016	-0.0027	0.0000	-0.0004	0.0000	-0.0016	-0.0030	0.0000	0.0000	0.0000	-0.0017	-0.0028	0.0000	0.0000	
Chawa 12kV	0.0602	-0.0886	-0.0278	0.0139	0.0000	0.0447	-0.0855	-0.0208	0.0156	0.0000	0.0816	-0.0807	-0.0149	0.0103	0.0000	0.0938	-0.0994	-0.0203	-0.0207	0.0000	0.1984	-0.1152	-0.0198	0.0194	0.0000	
Cheerleader 12kV	0.0089	-0.0520	-0.0272	0.0023	0.0014	0.0066	-0.0495	-0.0244	0.0026	-0.0003	0.0120	-0.0449	-0.0223	0.0017	-0.0004	0.0138	-0.0517	-0.0247	-0.0022	-0.0004	0.0292	-0.0571	-0.0231	0.0035	-0.0022	0.0000
Cheese 12kV	0.0242	-0.0621	-0.0177	0.0002	0.0000	0.0180	-0.0609	-0.0216	0.0002	0.0000	0.0328	-0.0754	-0.0219	0.0003	0.0000	0.0378	-0.0785	-0.0709	0.0001	0.0000	0.0798	-0.0827	-0.0674	0.0004	0.0000	
Cheeth 12kV	0.0065	-0.1104	-0.0537	0.0055	0.0007	0.0048	-0.1110	-0.0489	0.0062	0.0002	0.0080	-0.1114	-0.0452	0.0004	-0.0029	0.0092	-0.1949	-0.0495	-0.0005	-0.0053	0.0194	-0.2245	-0.0463	0.0096	-0.0013	0.0000
Chella 12kV	0.0238	-0.0604	-0.0168	0.0075	-0.0001	0.0176	-0.0610	-0.0120	0.0085	-0.0012	0.0322	-0.0604	-0.0080	0.0055	-0.0012	0.0370	-0.0852	-0.0117	-0.0071	-0.0009	0.0782	-0.1120	-0.0113	0.0115	-0.0022	0.0000
Chelsea 4.16kV	0.0106	-0.0077	-0.0079	0.0096	0.0005	0.0079	-0.0077	-0.0053	0.0116	-0.0006	0.0036	-0.0072	-0.0030	0.0101	0.0000	0.0076	-0.0087	-0.0051	0.0041	-0.0004	0.0076	-0.0904	-0.0500	0.0185	0.0000	
Chemical 16kV	0.0149	-0.0259	-0.0393	0.0006	0.0003	0.0110	-0.0289	-0.0400	0.0008	-0.0001	0.0202	-0.0314	-0.0410	0.0009	-0.0070	0.0232	-0.0327	-0.0407	0.0002	0.0000	0.0490	-0.0345	-0.0378	0.0012	0.0000	
Cheney 4.16kV	0.0000	0.0000	-0.0000	0.0058	0.0000	0.0000	0.0000	-0.0039	0.0066	0.0000	0.0000	0.0000	-0.0039	0.0072	0.0000	0.0000	0.0000	-0.0039	0.0076	0.0000	0.0000	-0.0024	0.0079	0.0000	0.0000	
Chemult 12kV	0.0111	-0.0446	-0.0774	0.0018	-0.0018	0.0082	-0.0498	-0.0794	0.0023	0.0001	0.0151	-0.0539	-0.0823	0.0031	-0.0007	0.0173	-0.0569	-0.0821	0.0073	0.0000	0.0366	-0.0606	-0.0754	0.0054	0.0000	
Cherokee 12kV	0.0060	-0.1116	-0.0366	0.0188	0.0000	0.0000	-0.1099	-0.0366	0.0124	0.0000	0.0000	-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	
Chewett 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	0.0006	-0.0004	0.0197	-0.0800	-0.0120	0.0042	-0.0004	0.0000
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	-0.0221	0.0022	-0.0004	0.0250	-0.1140	-0.0265	-0.0029	-0.0018	0.0528	-0.1310	-0.0250	0.0046	-0.0004	0.0000
Cheyenne 12kV	0.0060	-0.0262	-0.0085	0.0029	0.0000	0.0044	-0.0265	-0.0059	0.0003	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	-0.0256	0.0047	0.0000	
Chia 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	0.0017	0.0000	
Chico 16kV	0.1440	-0.0948	-0.0268	0.0197	0.0000	0.1089	-0.0963	-0.0214	0.0224	0.0000	0.1951	-0.1121	-0.0171	0.0171	0.0154	0.0000	0.0362	-0.1571	-0.0213	-0.0360	0.0000	-0.1966	-0.0202	0.0259	0.0000	
Chile 12kV	0.0062	-0.0727	-0.0848	0.0011	-0.0149	0.0046	-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	0.0000
Chillon 2.4kV	0.0000	-0.0027	-0.0022	0.0015	0.0000	0.0000	-0.0027	-0.0012	0.0016	0.0000	0.0000	-0.0024	-0.0004	0.0000	0.0000	-0.0032	-0.0011	-0.0022	0.0000	0.0000	-0.0035	-0.0011	0.0020	0.0000	0.0000	
Chimay 12kV	0.0594	-0.0561	-0.0381	0.0027	0.0045	0.0441	-0.0577	-0.0352	0.0032	-0.0003	0.0805	-0.0580	-0.0331	0.0028	-0.0010	0.0925	-0.0700	-0.0351	0.0012	-0.0022	0.1358	-0.0518	-0.0332	0.0052	-0.0009	0.0000
Chime 12kV	0.0397	-0.0607	-0.0279	0.0083	0.0060	0.0295	-0.0618	-0.0232	0.0093	0.0032	0.0538	-0.0610	-0.0195	0.0060	-0.0011	0.0619	-0.0820	-0.0232	-0.0078	-0.0013	0.1908	-0.1037	-0.0219	0.0126	-0.0018	0.0000
China 12kV	0.0047	-0.1497	-0.0332	0.0079	-0.0031	0.0035	-0.1487	-0.0278	0.0089	-0.0003	0.0000	-0.1417	-0.0236	0.0058	-0.0010	0.0073	-0.1848	-0.0279	-0.0074	-0.0018	0.0153	-0.2215	-0.0263	0.0120	-0.0009	0.0000
China Peak 12kV	0.0000	-0.0020	-0.0034	0.0000	0.0000	0.0000	-0.0020	-0.0034	0.0000	0.0000	0.0000	-0.0020	-0.0034	0.0000	0.0000	0.0000	-0.0020	-0.0034	0.0000	0.0000	0.0000	-0.0020	-0.0034	0.0000	0.0000	0.0000
Chinoweth 12kV	0.5362	-0.0553	-0.0180	0.0054	0.0000	0.0000	0.0222	-0.0516	0.0061	0.0000	0.0406	-0.0470	-0.0060	0.0040	0.0000	0.0467	-0.0604	-0.0209	0.0001	0.0000	0.0986	-0.0721	-0.0108	0.0076	0.0000	
Chipper 12kV	0.0051	-0.0731	-0.0467	0.0093	-0.0046	0.0038	-0.0760	-0.0433	0.0105	-0.0012	0.0069	-0.0769	-0.0388	0.0074	-0.0012	0.0080	-0.0956	-0.0422	-0.0008	-0.0018	0.0169	-0.1145	-0.0399	0.0162	-0.0022	0.0000
Chippewa 12kV	0.0060	-0.0473	-0.0202	0.0096	0.0000	0.0044	-0.0486	-0.0154	0.0118	0.0000	0.0081	-0.0488	-0.0114	0.0088	0.0000	0.0093	-0.0632	-0.0150	-0.0072	0.0000	0.0197	-0.0782	-0.0145	0.0157	0.0000	
Choctaw 12kV	0.0060	-0.0437	-0.0493	0.0004	0.0000	0.0044	-0.0489	-0.0005	0.0000	0.0000	0.0081	-0.0531	-0.0489	0.0008	0.0000	0.0093	-0.0533	-0.0481	0.0004	0.0000	0.0197	-0.0582	-0.0460	0.0009	0.0000	
Chocoma 12kV	0.0477	-0.0808	-0.0140	0.0029	0.0000	0.0354	-0.0773	-0.0092	0.0033	0.0000	0.0646	-0.0720	-0.0051	0.0022	0.0000	0.0743	-0.0956	-0.0088	-0.0043							

Facility	2018					2019					2020					2021					2022				
	se Demand (MW)	PV (MW) ²¹	EE (MW) ²¹	EV (MW) ²¹	LMDR (MW) ²¹	se Demand (MW)	PV (MW) ²¹	EE (MW) ²¹	EV (MW) ²¹	LMDR (MW) ²¹	se Demand (MW)	PV (MW) ²¹	EE (MW) ²¹	EV (MW) ²¹	LMDR (MW) ²¹	se Demand (MW)	PV (MW) ²¹	EE (MW) ²¹	EV (MW) ²¹	LMDR (MW) ²¹	se Demand (MW)	PV (MW) ²¹	EE (MW) ²¹	EV (MW) ²¹	LMDR (MW) ²¹
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
Clime 4.16kV	0.0000	-0.0139	-0.0081	0.0002	0.0015	0.0000	-0.0074	-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	-0.0449	-0.0486	0.0019	0.0081	0.0138	-0.0476	-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
Clinic 12kV	0.0330	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
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	-0.0071	-0.0001	-0.0004	0.1066	-0.0231	-0.0070	0.0026	0.0000
Clover 4.16kV	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	-0.0000	-0.0004	0.1066	-0.0231	-0.0070	0.0026	0.0000
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	-0.0000	0.1848	-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	-0.0265	-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
Clubhouse 12kV	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	-0.0300	-0.0047	0.0003	-0.0004	0.0000	-0.0403	-0.0045	0.0021	0.0000
Clubhouse 12kV	2.2455	-0.0863	-0.1157	0.0024	0.0016	0.0103	-0.0943	-0.1175	0.0027	0.0001	0.0187	-0.1001	-0.1208	0.0017	-0.0002	0.0215	-0.1049	-0.1214	-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	-0.0564	-0.0137	0.0018	-0.0009	0.0540	-0.0753	-0.0180	-0.0002	-0.0009	0.1141	-0.0902	-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	0.0043	0.0000	0.0673	-0.1920	-0.0273	-0.0090	0.0000	0.6865	-0.2381	-0.0257	0.0084	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	0.0090	-0.0018	0.0259	-0.0768	-0.0258	-0.0010	-0.0022	0.0547	-0.0800	-0.0245	0.0196	-0.0035
Coachella 33kV	10.6330	-0.0001	-0.0001	0.0008	0.0000	0.6790	-0.0002	-0.0001	0.0010	0.0001	0.1260	-0.0002	-0.0001	0.0009	-0.0002	0.1207	-0.0002	-0.0001	0.0004	0.0000	0.2551	-0.0002	-0.0001	0.0016	0.0000
Coal 12kV	0.0000	-0.1223	-0.0354	0.0088	0.0042	0.0025	-0.0993	-0.0292	0.0095	-0.0005	0.0345	-0.0938	-0.0340	0.0067	-0.0025	0.0552	-0.1176	-0.0286	-0.0008	-0.0004	0.0110	-0.1395	-0.0275	0.0146	-0.0181
Coalings 12kV	0.0581	-0.0469	-0.0194	0.0012	0.0058	0.0431	-0.0457	-0.0149	0.0014	0.0003	0.0787	-0.0436	-0.0112	0.0009	-0.0008	0.0905	-0.0551	-0.0147	0.0011	-0.0018	0.1912	-0.0656	-0.0342	0.0018	0.0000
Coastal 12kV	0.0071	-0.1319	-0.0505	0.0145	0.0041	0.0053	-0.1449	-0.0394	0.0164	-0.0021	0.0096	-0.1521	-0.0302	0.0116	-0.0005	0.0111	-0.2211	-0.0389	-0.0013	-0.0022	0.0234	-0.2950	-0.0371	0.0123	-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	-0.0831	-0.0262	0.0054	0.0000	0.0123	-0.1086	-0.0319	-0.0171	-0.0000	0.0259	-0.1367	-0.0306	0.0102	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	-0.0823	-0.0131	0.0040	-0.0022
Cocoma 12kV	0.0040	-0.0256	-0.0218	0.0035	0.0038	0.0038	-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	-0.0383	-0.0184	0.0069	-0.0133
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	-0.0660	-0.0102	-0.0001	-0.0009	0.1570	-0.0805	-0.0098	0.0027	0.0000
Cojo 12kV	0.0000	-0.0422	-0.0655	0.0013	0.0151	0.0000	-0.0478	-0.0666	0.0017	-0.0000	0.0068	-0.0513	-0.0085	0.0000	0.0000	0.0000	-0.0643	-0.0284	-0.0004	0.0000	0.0000	-0.0643	-0.0284	0.0000	0.0000
Code 4.16kV	0.0000	-0.0210	-0.0045	0.0037	0.0000	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
Codeona 4.16kV	0.0112	-0.0144	-0.0029	0.0028	0.0000	0.0083	-0.0165	-0.0018	0.0031	-0.0001	0.0152	-0.0179	-0.0008	0.0022	0.0000	0.0175	-0.0274	-0.0017	-0.0003	0.0000	0.0370	-0.0368	-0.0017	0.0048	-0.0004
Cody 12kV	0.0084	-0.0602	-0.0629	0.0014	0.0020	0.0063	-0.0650	-0.0598	0.0018	-0.0003	0.0114	-0.0686	-0.0579	0.0021	0.0000	0.0131	-0.0842	-0.0608	0.0004	-0.0018	0.0278	-0.1028	-0.0566	0.0028	-0.0018
Coffee 4.16kV	0.0000	-0.0113	-0.0033	0.0010	-0.0004	0.0000	-0.0117	-0.0019	0.0011	-0.0004	0.0000	-0.0121	-0.0007	0.0007	-0.0004	0.0000	-0.0181	-0.0018	-0.0009	-0.0004	0.0000	-0.0252	-0.0018	0.0015	0.0000
Cogna 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	-0.0063	-0.0166	0.0000	0.0148	-0.1640	-0.0063	0.0155	0.0000
Cogswell 4.16kV	0.0000	-0.0279	-0.0062	0.0018	0.0000	0.0020	-0.0336	-0.0036	0.0022	0.0000	0.0037	-0.0366	-0.0014	0.0011	-0.0000	0.0042	-0.0566	-0.0033	-0.0014	0.0000	0.0000	-0.0761	-0.0034	0.0030	0.0000
Cojo 16kV	0.0000	-0.0002	-0.0004	0.0017	0.0000	0.0000	-0.0003	-0.0004	0.0019	0.0001	0.0000	-0.0003	-0.0004	0.0012	0.0000	0.0000	-0.0003	-0.0004	-0.0016	0.0000	0.0000	-0.0003	-0.0004	0.0026	0.0000
Cola 4.16kV	0.0032	-0.0256	-0.0052	0.0007	0.0006	0.0024	-0.0282	-0.0034	0.0009	-0.0005	0.0044	-0.0291	-0.0019	0.0006	0.0001	0.0050	-0.0418	-0.0032	-0.0001	-0.0004	0.0106	-0.0520	-0.0032	0.0012	-0.0009
Colburn 4.16kV	0.0193	-0.0223	-0.0044	0.0017	0.0001	0.0143	-0.0232	-0.0026	0.0019	-0.0007	0.0262	-0.0220	-0.0010	0.0013	-0.0002	0.0301	-0.0289	-0.0024	-0.0016	-0.0004	0.0636	-0.0327	-0.0024	0.0026	-0.0009
Coldbrook 4.16kV	0.0038	-0.0084	-0.0032	0.0003	0.0000	0.0028	-0.0086	-0.0033	0.0004	0.0000	0.0051	-0.0087	-0.0034	0.0004	-0.0004	0.0059	-0.0128	-0.0034	0.0001	0.0000	0.0125	-0.0175	-0.0032	0.0006	-0.0004
Coldwater 4.16kV	0.0100	-0.0047	-0.0050	0.0007	0.0000	0.0074	-0.0049	-0.0028	0.0009	0.0001	0.0135	-0.0049	-0.0100	0.0008	0.0000	0.0155	-0.0070	-0.0026	0.0003	-0.0004	0.0328	-0.0089	-0.0026	0.0014	0.0000
Colle 4.16kV	0.0000	-0.0257	-0.0063	0.0031	0.0000	0.0028	-0.0269	-0.0048	0.0035	-0.0006	0.0051	-0.0268	-0.0036	0.0023	0.0000	0.0000	-0.0379	-0.0047	-0.0003	-0.0013	0.0000	-0.0479	-0.0045	0.0055	0.0000
Collier 12kV	0.0084	-0.0620	-0.0297	0.0029	0.0044	0.0026	-0.0240	-0.0035	-0.0020	0.0013	0.0113	-0.0619	-0.0194	0.0030	-0.0014	0.0130	-0.0828	-0.0239	0.0012	-0.0009	0.0275	-0.1048	-0.0227	0.0056	-0.0009
Colgate 12kV	0.0540	-0.0474	-0.0234	0.0028	0.0001	0.0540	-0.0507	-0.0194	0.0032	-0.0010	0.0540	-0.0519	-0.0162	0.0020	-0.0010	0.0540	-0.0708	-0.0194	-0.0026	-0.0027	0.0540	-0.0890	-0.0184	0.0043	-0.0013
Coliseum 12kV	0.0194	-0.0070	-0.0045	0.0092	0.0004	0.0144	-0.0073	-0.0032	0.0104	0.0000	0.0263	-0.0079	-0.0022	0.0068	-0.0004	0.0303	-0.0089	-0.0031	-0.0007	-0.0000	0.0640	-0.1000	-0.0130	0.0141	-0.0004
Colleen 12kV	0.0238	-0.0441	-0.0439	0.0013	0.0067	0.0176	-0.0461	-0.0434	0.0015	-0.0014	0.0322	-0.0472	-0.0437	0.0010	-0.0009	0.0370	-0.0548	-0.0447	0.0000	0.0000	0.0782	-0.0625	-0.0412	0.0023	-0.0004
College Park 4.16kV	0.0193	-0.0074	-0.0026	0.0005	0.0001	0.0143	-0.0075	-0.0016	0.0006	0.0000	0.0262	-0.0073	-0.0006	0.0006	0.0000	0.0301	-0.0101	-0.0014	0.0002	0.0000	0.0636	-0.0129	-0.0015	0.0010	-0.0009
Collie 12kV	0.0051	-0.0054	-0.0074	0.0026	0.0000	0.0038	-0.0081	-0.0218	0.0032	-0.0010	0.0069	-0.0094	-0.0172	0.0028											

Facility	2018					2019					2020					2021					2022					
	se Demand (MW)	PV (MW) ²¹	EE (MW) ²¹	EV (MW) ²¹	LMDR (MW) ²¹	se Demand (MW)	PV (MW) ²¹	EE (MW) ²¹	EV (MW) ²¹	LMDR (MW) ²¹	se Demand (MW)	PV (MW) ²¹	EE (MW) ²¹	EV (MW) ²¹	LMDR (MW) ²¹	se Demand (MW)	PV (MW) ²¹	EE (MW) ²¹	EV (MW) ²¹	LMDR (MW) ²¹	se Demand (MW)	PV (MW) ²¹	EE (MW) ²¹	EV (MW) ²¹	LMDR (MW) ²¹	
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	0.0000	-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	0.0000	-0.0005	-0.0002	0.0000	0.0000	0.0000	0.0000	-0.0006	-0.0002	0.0000	0.0000
Corak 12kV	0.0300	-0.0308	-0.0184	0.0007	0.0024	0.0223	-0.0324	-0.0161	0.0009	-0.0005	0.0406	-0.0334	-0.0142	0.0008	-0.0013	0.0467	-0.0452	-0.0162	0.0003	-0.0004	0.0987	-0.0586	-0.0152	0.0014	-0.0022	0.0000
Corral 4.16kV	0.0035	-0.0033	-0.0016	0.0034	0.0000	0.0026	-0.0034	-0.0009	0.0038	0.0000	0.0049	-0.0033	-0.0004	0.0071	0.0000	0.0050	-0.0009	-0.0000	0.0000	0.0000	0.0000	0.0000	-0.0006	-0.0009	0.0004	0.0000
Corbina 12kV	0.0075	-0.0672	-0.0594	0.0025	0.0083	0.0556	-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	0.0000	0.0000
Corby 12kV	0.0168	-0.0429	-0.0511	0.0053	-0.0046	0.0125	-0.0465	-0.0510	0.0061	-0.0001	0.0238	-0.0492	-0.0517	0.0043	-0.0074	0.0262	-0.0570	-0.0525	-0.0005	0.0000	0.0554	-0.0659	-0.0484	0.0093	0.0000	
Cord 4.16kV	0.0100	-0.0036	-0.0065	0.0001	0.0043	0.0074	-0.0040	-0.0067	-0.0011	0.0135	-0.0044	-0.0069	0.0002	0.0007	0.0155	-0.0045	-0.0069	0.0000	0.0000	0.0328	-0.0408	-0.0064	0.0000	0.0000	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	0.0680	-0.0410	-0.0001	0.0760	-0.0688	0.0023	-0.0600	-0.0000	0.0000	0.1607	-0.0484	-0.0632	0.0010	0.0000	0.0000	
Cordoba 12kV	0.0132	-0.1186	-0.0233	0.0030	0.0028	0.0098	-0.1148	-0.0177	0.0036	-0.0052	0.0179	-0.1074	-0.0129	0.0032	-0.0032	0.0306	-0.1398	-0.0173	0.0013	-0.0035	0.0436	-0.1673	-0.0168	0.0058	-0.0038	
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	0.0001	0.0077	-0.0216	-0.0026	0.0006	0.0000	0.0162	-0.0298	-0.0025	0.0028	-0.0004	0.0000	
Corinth 12kV	0.0592	-0.1027	-0.0397	0.0032	0.0031	0.0439	-0.0875	-0.0955	0.0036	-0.0005	0.0802	-0.0728	-0.0322	0.0023	-0.0007	0.0922	-0.0717	-0.0359	-0.0000	0.1948	-0.0782	-0.0335	0.0049	-0.0004	0.0000	
Cornell 4.16kV	0.0000	-0.0114	-0.0019	0.0012	0.0000	0.0000	-0.0108	-0.0011	0.0013	0.0001	0.0000	-0.0097	-0.0004	0.0009	0.0000	0.0000	-0.0125	-0.0010	-0.0001	0.0000	0.0000	-0.0143	-0.0010	0.0021	-0.0004	
Cornish 4.16kV	0.0038	-0.0407	-0.0059	0.0007	0.0000	0.0028	-0.0461	-0.0034	0.0007	0.0001	0.0051	-0.0483	-0.0013	0.0005	-0.0018	0.0059	-0.0700	-0.0031	-0.0001	-0.0031	0.0125	-0.0876	-0.0032	0.0011	-0.0013	
Cornut 12kV	0.0079	-0.0261	-0.0361	0.0011	-0.0035	0.0059	-0.0292	-0.0365	0.0014	-0.0006	0.0108	-0.0318	-0.0374	0.0019	0.0003	0.0062	-0.0330	-0.0371	0.0045	0.0000	0.0131	-0.0348	-0.0346	0.0033	0.0000	
Corwall 12kV	0.0044	-0.0406	-0.0290	0.0088	0.0021	0.0315	-0.0261	-0.0099	-0.0013	0.0574	-0.0440	-0.0239	-0.0001	0.0660	-0.0567	-0.0064	-0.0000	-0.0000	0.0000	0.0000	0.0000	-0.0000	-0.0000	0.0000	0.0000	
Coronado 18kV	0.0613	-0.0449	-0.0663	0.0023	0.0043	0.0455	-0.0500	-0.0668	0.0025	-0.0008	0.0831	-0.0538	-0.0683	0.0022	0.0003	0.0956	-0.0604	-0.0000	0.0000	0.2023	-0.0572	-0.0635	0.0040	0.0000	0.0000	
Coronita 12kV	0.2000	-0.0983	-0.0200	0.0092	-0.0008	0.2000	-0.0895	-0.0130	0.0104	-0.0015	0.0805	-0.0794	-0.0069	0.0067	-0.0015	0.0925	-0.1021	-0.0123	-0.0087	-0.0027	0.1955	-0.1214	-0.0121	0.0141	-0.0018	
Corporal 12kV	0.0571	-0.1024	-0.0282	0.0005	0.0008	0.0424	-0.0978	-0.0197	0.0006	-0.0015	0.0774	-0.0912	-0.0125	0.0007	-0.0197	0.0890	-0.1201	-0.0189	0.0001	-0.0018	0.1880	-0.1267	-0.0185	0.0009	-0.0053	
Corral 4.16kV	0.0038	-0.0235	-0.0056	0.0054	0.0000	0.0029	-0.0243	-0.0035	0.0067	0.0000	0.0052	-0.0233	-0.0016	0.0050	0.0000	0.0060	-0.0298	-0.0032	-0.0041	0.0000	0.0126	-0.0336	-0.0032	0.0089	0.0000	
Corrine 4.16kV	0.0110	-0.0159	-0.0056	0.0041	0.0000	0.0082	-0.0156	-0.0039	0.0046	0.0000	0.0149	-0.0150	-0.0025	0.0030	0.0000	0.0171	-0.0203	-0.0038	-0.0060	0.0000	0.0362	-0.0252	-0.0037	0.0056	0.0000	
Corral 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	
Corral 12kV	0.0090	-0.2101	-0.0981	0.0043	0.0164	0.0510	-0.2166	-0.0901	0.0051	-0.0041	0.0931	-0.2169	-0.0844	0.0045	-0.0041	0.1070	-0.3571	-0.0018	-0.0013	0.2262	-0.4820	-0.0846	0.0017	-0.0018		
Corra 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	-0.0029	-0.0004	0.0000	0.0000	-0.0246	-0.0018	0.0003	0.0000	
Corse 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	-0.0054	0.0019	0.0000	0.0200	-0.0084	-0.0057	0.0008	0.0000	0.0424	-0.0101	-0.0053	0.0022	0.0000	
Corvette 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	-0.0033	0.0004	-0.0002	0.0660	-0.0085	-0.0038	-0.0005	0.0000	0.1396	-0.0110	-0.0035	0.0009	0.0000	
Cory 18kV	0.6426	-0.0243	-0.0336	0.0024	0.0016	0.4768	-0.0269	-0.0314	0.0031	-0.0004	0.8707	-0.0283	-0.0299	0.0036	-0.0009	1.0011	-0.0334	-0.0320	0.0007	-0.0004	0.8409	-0.3800	-0.0298	0.0049	0.0000	
Castello 33kV	2.0590	0.0000	0.0000	0.0025	0.0000	1.3741	0.0000	0.0000	0.0028	0.0000	1.7457	0.0000	0.0000	0.0018	0.0000	0.2996	0.0000	0.0000	-0.0037	0.0000	0.0625	0.0000	0.0000	0.0035	0.0000	
Casa 4.16kV	0.0000	-0.0507	-0.0068	0.0014	0.0000	0.0000	-0.0506	-0.0009	0.0016	0.0000	0.0000	-0.0505	-0.0015	0.0015	0.0000	0.0000	-0.0788	-0.0026	-0.0000	0.0000	0.0000	-0.0950	-0.0017	0.0000	0.0000	
Cottage Grove 2.4kV	0.0000	-0.0030	-0.0014	0.0006	0.0000	0.0000	-0.0029	-0.0009	0.0005	0.0000	0.0000	-0.0028	-0.0004	0.0000	0.0000	0.0000	-0.0036	-0.0008	-0.0009	0.0000	0.0000	-0.0040	-0.0008	0.0008	0.0000	
Cotton 12kV	0.1399	-0.0160	-0.0069	0.0002	0.0055	0.0689	-0.0177	-0.0067	0.0003	-0.0005	0.0644	-0.0190	-0.0065	0.0003	0.0740	-0.0200	-0.0067	0.0001	0.0000	0.1066	-0.0000	-0.0021	0.0067	0.0004	0.0000	
Cottonmouth 16kV	0.0015	-0.1814	-0.0339	0.0039	0.0021	0.0011	-0.1657	-0.0246	0.0048	-0.0015	0.0200	-0.1414	-0.0168	0.0041	-0.0001	0.0023	-0.1653	-0.0240	0.0017	-0.0027	0.0048	-0.1733	-0.0232	0.0076	-0.0035	
Cougar 12kV	0.0065	-0.0398	-0.0531	0.0006	0.0003	0.0048	-0.0439	-0.0533	0.0007	0.0000	0.0080	-0.0462	-0.0544	0.0008	0.0000	0.0092	-0.0510	-0.0550	0.0000	0.0194	-0.0550	-0.0037	0.0011	0.0000	0.0000	
Counterfeit 12kV	0.0488	-0.0568	-0.0952	0.0011	-0.0056	0.0362	-0.0635	-0.0974	0.0014	0.0001	0.0661	-0.0690	-0.1008	0.0012	0.0001	0.0760	-0.0717	-0.1004	0.0005	0.0000	0.1607	-0.0756	-0.0925	0.0022	0.0000	
Country Club 4.16kV	0.0100	-0.0022	-0.0038	0.0001	0.0000	0.0074	-0.0034	-0.0039	0.0001	0.0000	0.0135	-0.0036	-0.0041	0.0002	0.0000	0.0155	-0.0028	-0.0041	0.0001	0.0000	0.0338	-0.0029	-0.0037	0.0002	0.0000	
Countrywood 12kV	0.0238	-0.0502	-0.0580	0.0044	0.0056	0.0176	-0.0540	-0.0578	0.0050	0.0012	0.0322	-0.0568	-0.0585	0.0035	-0.0020	0.0370	-0.0622	-0.0596	-0.0004	-0.0022	0.0782	-0.0769	-0.0549	0.0077	-0.0027	
County 12kV	0.0216	-0.0172	-0.0188	0.0002	0.0000	0.0160	-0.0193	-0.0186	0.0002	0.0000	0.0293	-0.0209	-0.0185	0.0004	0.0000	0.0336	-0.0218	-0.0182	0.0002	0.0000	0.0711	-0.0229	-0.0175	0.0004	0.0000	
Coupler 12kV	0.0217	-0.0138	-0.0210	0.0121	0.0000	0.0161	-0.0144	-0.0132	0.0037	0.0000	0.0285	-0.0103	-0.0064	0.0095	0.0000	0.0336	-0.1362	-0.0124	-0.0221	0.0000	0.0710	-0.1656	-0.0123	0.0159	0.0000	
Course 12kV	0.0166	-0.0242	-0.0115	0.0017	0.0034	0.0123	-0.0240	-0.0101	0.0020	-0.0009	0.0225	-0.0221	-0.0089	0.0018	-0.0008	0.0259	-0.0252	-0.0100	0.0007	0.0000	0.0547	-0.0263	-0.0095	0.0033	0.0000	
Course 12kV	0.0046	-0.0522	-0.0201	0.0014	-0.0004	0.0034	-0.0522	-0.0137	0.0016	-0.0025	0.0063	-0.0507	-0.0082	0.0011	-0.0005	0.0072	-0.0705	-0.0130	-0.0001	-0.0013	0.0152	-0.0910	-0.0128	0.0025	-0.0031	
Court 4.16kV	0.0038	-0.0135	-0.0049	0.0004	0.0000	0.0028	-0.0093	-0.0035	0.0005	0.0000	0.															

Facility	2018					2019					2020					2021					2022					
	se Demand (MW)	PV (MW) ²¹	EE (MW) ²¹	EV (MW) ²¹	LMDR (MW) ²¹	se Demand (MW)	PV (MW) ²¹	EE (MW) ²¹	EV (MW) ²¹	LMDR (MW) ²¹	se Demand (MW)	PV (MW) ²¹	EE (MW) ²¹	EV (MW) ²¹	LMDR (MW) ²¹	se Demand (MW)	PV (MW) ²¹	EE (MW) ²¹	EV (MW) ²¹	LMDR (MW) ²¹	se Demand (MW)	PV (MW) ²¹	EE (MW) ²¹	EV (MW) ²¹	LMDR (MW) ²¹	
Crummer 16kW	0.0215	-0.1184	-0.0620	0.0044	0.0115	0.0159	-0.1177	-0.0577	0.0054	-0.0008	0.0291	-0.1126	-0.0546	0.0047	0.0010	0.0334	-0.1349	-0.0583	0.0019	0.0000	0.0707	-0.1510	-0.0545	0.0086	-0.0022	
Crump 12kW	0.0118	-0.0004	-0.0020	0.0006	0.0000	0.0050	-0.0004	-0.0013	0.0007	0.0000	0.0146	-0.0005	-0.0007	0.0004	0.0000	0.0168	-0.0009	-0.0012	0.0000	0.0355	-0.0005	-0.0012	0.0009	0.0000	0.0000	
Crumville 12kW	0.0077	-0.0045	-0.0540	0.0014	0.0038	0.0057	-0.0435	-0.0054	0.0016	-0.0003	0.0105	-0.0449	-0.0575	0.0011	-0.0014	0.0120	-0.0488	-0.0574	-0.0001	-0.0013	0.0254	-0.0528	-0.0527	0.0025	0.0000	
Crusade 12kW	0.0238	-0.0761	-0.0244	0.0051	0.0000	0.0221	-0.1837	-0.0021	0.0058	0.0005	0.0404	-0.0870	-0.0281	0.0000	0.0000	0.0464	-0.1910	-0.0303	-0.0000	0.0238	-0.0239	-0.1271	-0.0287	0.0067	0.0000	
Cruz 12kW	0.0146	-0.1318	-0.0438	0.0028	0.0055	0.0099	-0.1222	-0.0393	0.0032	-0.0002	0.0198	-0.1074	-0.0358	0.0023	-0.0023	0.0228	-0.1237	-0.0307	-0.0000	0.0482	-0.0482	-0.1329	-0.0272	0.0049	-0.0022	
Cuba 12kW	0.0062	-0.0389	-0.0430	0.0009	0.0027	0.0046	-0.0433	-0.0428	0.0011	-0.0004	0.0084	-0.0469	-0.0428	0.0015	0.0000	0.0096	-0.0492	-0.0423	0.0035	0.0000	0.0204	-0.0523	-0.0402	0.0025	0.0000	
Cubbon 4.16kW	0.0023	-0.0156	-0.0060	0.0012	0.0000	0.0017	-0.0034	-0.0015	0.0000	0.0000	0.0032	-0.0157	-0.0012	0.0011	0.0000	0.0037	-0.0217	-0.0031	-0.0000	0.0000	0.0000	-0.0271	-0.0032	0.0020	0.0000	
Cubic 12kW	0.0242	-0.0845	-0.0338	0.0043	0.0062	0.0179	-0.0886	-0.0303	0.0048	-0.0006	0.0327	-0.0862	-0.0277	0.0031	0.0002	0.0377	-0.1072	-0.0307	-0.0040	-0.0004	0.0796	-0.1187	-0.0287	0.0065	-0.0181	
Cuddeback 12kW	0.0000	-0.1026	-0.0243	0.0029	-0.0051	0.0000	-0.1038	-0.0194	0.0055	0.0011	0.0000	-0.0988	-0.0153	0.0000	-0.0015	0.0000	-0.1222	-0.0191	0.0012	-0.0027	0.0000	-0.1366	-0.0186	0.0056	-0.0004	
Cuern 12kW	0.0217	-0.0369	-0.0335	0.0007	-0.0003	0.0217	-0.0400	-0.0329	0.0009	-0.0018	0.0272	-0.0411	-0.0329	0.0008	0.0008	0.0314	-0.0472	-0.0335	0.0003	-0.0004	0.0664	-0.0513	-0.0312	0.0014	0.0000	
Culverdale 12kW	0.0483	-0.0641	-0.0225	0.0162	0.0000	0.0483	-0.0734	-0.0231	0.0183	0.0000	0.0483	-0.0779	-0.0240	0.0129	0.0000	0.0600	-0.1127	-0.0238	-0.0015	0.0000	0.0000	-0.1456	-0.0219	0.0282	0.0000	
Cypide 12kW	0.0273	-0.0417	-0.0424	0.0002	0.0000	0.0510	-0.0466	-0.0419	0.0003	0.0000	0.0931	-0.0507	-0.0415	0.0004	0.0000	0.1071	-0.0527	-0.0408	0.0004	0.0000	0.2263	-0.0555	-0.0392	0.0000	0.0000	
Cupples 33kW	0.0833	-0.1022	-0.0584	0.0015	0.0000	3.5000	-0.1144	-0.0569	0.0003	0.0000	0.9000	-0.1242	-0.0556	0.0033	0.0000	0.9000	-0.1292	-0.0542	0.0070	0.0000	0.9000	-0.1361	-0.0531	0.0041	0.0000	
Curran 4.16kW	0.0040	-0.0159	-0.0049	0.0005	0.0000	0.0029	-0.0157	-0.0034	0.0006	0.0004	0.0054	-0.0152	-0.0021	0.0004	-0.0007	0.0062	-0.0209	-0.0033	-0.0001	-0.0009	0.0130	-0.0268	-0.0032	0.0009	-0.0009	
Curtis 12kW	0.1024	-0.0330	-0.0143	0.0012	0.0099	0.0608	-0.0357	-0.0136	0.0015	0.0009	0.1110	-0.0376	-0.0130	0.0020	-0.0090	0.1276	-0.0397	-0.0136	0.0047	-0.0018	0.2698	-0.0421	-0.0136	0.0034	-0.0004	
Cushenbury 33kW	0.0155	-0.0537	-0.0294	0.0043	0.0000	0.0115	-0.0602	-0.0121	0.0007	0.0000	0.0210	-0.0606	-0.0001	0.0008	0.0000	0.0241	-0.0602	-0.0001	0.0029	0.0000	0.0510	-0.0602	-0.0010	0.0014	0.0000	
Cuthbert 16kW	0.0561	-0.1167	-0.0405	0.0097	0.0021	0.0416	-0.1202	-0.0285	0.0109	0.0019	0.0760	-0.1179	-0.0180	0.0000	0.0000	0.0771	-0.1593	-0.0275	0.0091	0.0004	0.1807	-0.1959	-0.0267	0.0148	0.0000	
Cutter 12kW	0.0528	-0.0586	-0.0220	0.0018	0.0000	0.0392	-0.0559	-0.0163	0.0020	0.0000	0.0715	-0.0520	-0.0115	0.0013	0.0000	0.0822	-0.0654	-0.0159	-0.0026	0.0000	0.1737	-0.0768	-0.0154	0.0025	0.0000	
Cyanide 16kW	0.2121	-0.0464	-0.0589	0.0007	0.0000	0.0174	-0.0524	-0.0576	0.0008	0.0000	0.2874	-0.0571	-0.0573	0.0013	0.0000	0.1016	-0.0678	-0.0589	0.0006	0.0000	0.2148	-0.0805	-0.0547	0.0015	0.0000	
Cyclone 12kW	0.2979	-0.1269	-0.0279	0.0154	0.0000	0.2211	-0.1242	-0.0212	0.0173	0.0000	0.0082	-0.1158	-0.0157	0.0114	0.0000	0.0094	-0.1473	-0.0209	-0.0229	0.0000	0.0199	-0.1709	-0.0200	0.0214	0.0000	
Cyclops 12kW	0.0273	-0.0432	-0.0513	0.0003	0.0057	0.0210	-0.0484	-0.0512	0.0003	-0.0014	0.0931	-0.0526	-0.0515	0.0004	0.0007	0.1071	-0.0573	-0.0508	0.0010	0.0000	0.2263	-0.0589	-0.0289	0.0000	0.0000	
Cylinder 16kW	0.0993	-0.0607	-0.0320	0.0177	0.0000	0.1363	-0.0655	-0.0298	0.0199	0.0000	0.0528	-0.0677	-0.0283	0.0131	0.0000	0.0607	-0.0855	-0.0304	-0.0264	0.0000	0.1282	-0.1019	-0.0283	0.0247	0.0000	
Cymbal 12kW	0.0112	-0.0537	-0.0294	0.0043	0.0000	0.0115	-0.0602	-0.0121	0.0007	0.0000	0.0210	-0.0606	-0.0001	0.0008	0.0000	0.0241	-0.0602	-0.0001	0.0029	0.0000	0.0510	-0.0602	-0.0010	0.0014	0.0000	
Cynthia 4.16kW	0.0000	-0.0102	-0.0049	0.0011	0.0014	0.0074	-0.0169	-0.0045	0.0013	-0.0004	0.0135	-0.0110	-0.0042	0.0011	0.0002	0.0155	-0.0149	-0.0046	0.0005	0.0000	0.0328	-0.0181	-0.0043	0.0020	-0.0004	
Cyrus 16kW	0.0110	-0.0139	-0.0236	0.0011	-0.0061	0.0081	-0.0155	-0.0239	0.0014	0.0004	0.0149	-0.0168	-0.0245	0.0017	-0.0007	0.0171	-0.0180	-0.0247	0.0003	0.0000	0.0361	-0.0192	-0.0227	0.0023	0.0000	
Daschund 12kW	0.0050	-0.0451	-0.0474	0.0026	0.0008	0.0038	-0.0471	-0.0470	0.0032	-0.0039	0.0069	-0.0480	-0.0472	0.0028	-0.0011	0.0079	-0.0544	-0.0481	0.0011	-0.0004	0.0168	-0.0607	-0.0445	0.0051	-0.0013	
Dasley 4.16kW	0.0038	-0.0102	-0.0013	0.0005	0.0000	0.0028	-0.0112	-0.0008	0.0005	0.0001	0.0051	-0.0113	-0.0003	0.0004	0.0000	0.0059	-0.0158	-0.0007	-0.0005	-0.0013	0.0125	-0.0189	-0.0007	0.0007	-0.0004	
Dartford 12kW	0.1622	-0.0610	-0.0562	0.0026	0.0125	0.0041	-0.0665	-0.0546	0.0033	-0.0022	0.0076	-0.0693	-0.0539	0.0039	0.0010	0.0087	-0.0857	-0.0559	-0.0008	-0.0009	0.1884	-0.1013	-0.0517	0.0052	-0.0009	
Daggett 4.16kW	0.0012	-0.0133	-0.0047	0.0056	0.0000	0.0083	-0.0118	-0.0029	0.0063	0.0000	0.0152	-0.0096	-0.0013	0.0013	0.0004	0.0175	-0.0107	-0.0027	-0.0010	0.0000	0.0167	-0.0105	-0.0027	0.0073	0.0000	
Dalhousie 16kW	0.0037	-0.0145	-0.0063	0.0056	0.0000	0.0027	-0.0151	-0.0040	0.0063	0.0000	0.0050	-0.0152	-0.0021	0.0044	0.0000	0.0058	-0.0218	-0.0038	-0.0102	0.0000	0.0122	-0.0292	-0.0038	0.0073	0.0000	
Dairy 12kW	0.0000	-0.0157	-0.0030	0.0005	0.0000	0.0000	-0.0170	-0.0019	0.0006	0.0000	0.0000	-0.0010	-0.0177	-0.0011	0.0004	0.0000	0.0000	-0.0263	-0.0018	-0.0004	0.0000	-0.0004	-0.0038	-0.0018	0.0008	0.0000
Dairyman 12kW	1.1753	-0.0181	-0.0210	0.0004	0.0026	0.0189	-0.0202	-0.0210	0.0005	-0.0006	0.0346	-0.0219	-0.0210	0.0007	0.0001	0.0398	-0.0228	-0.0207	0.0017	0.0000	0.0840	-0.0240	-0.0197	0.0012	0.0000	
Dakota 12kW	0.2322	-0.0339	-0.0325	0.0012	0.0000	0.0038	-0.0379	-0.0332	0.0019	0.0000	0.0070	-0.0412	-0.0342	0.0025	0.0000	0.0081	-0.0428	-0.0340	0.0070	0.0000	0.0170	-0.0451	-0.0315	0.0045	0.0000	
Dalba 2.4kW	0.0021	-0.0004	-0.0025	0.0030	0.0000	0.0016	-0.0004	-0.0015	0.0033	0.0000	0.0029	-0.0005	-0.0007	0.0022	0.0000	0.0033	-0.0005	-0.0014	-0.0044	0.0000	0.0069	-0.0005	-0.0014	0.0041	0.0000	
Dalbey 16kW	0.0375	-0.0245	-0.0264	0.0002	0.0000	0.0278	-0.0274	-0.0262	0.0003	0.0000	0.0508	-0.0238	-0.0262	0.0004	0.0000	0.0584	-0.0310	-0.0258	0.0004	0.0000	0.1234	-0.0336	-0.0246	0.0006	0.0000	
Daleside 16kW	0.0131	-0.0855	-0.0340	0.0036	0.0047	0.0057	-0.0940	-0.0295	0.0041	-0.0004	0.0178	-0.0960	-0.0260	0.0029	-0.0017	0.0204	-0.1281	-0.0297	-0.0003	-0.0013	0.0432	-0.1517	-0.0279	0.0063	-0.0004	
Dallas 12kW	0.0048	-0.0878	-0.0492	0.0035	0.0058	0.0036	-0.0920	-0.0443	0.0042	-0.0052	0.0065	-0.0928	-0.0406	0.0037	-0.0100	0.0075	-0.1213	-0.0448	0.0015	-0.0027	0.0158	-0.1492	-0.0419	0.0068	-0.0035	
Dalmanan 12kW	0.0363	-0.0453	-0.0618	0.0004	0.0049	0.0269	-0.0498	-0.0424	0.0005	-0.0030	0.0491	-0.0533	-0.0637	0.0007	0.0000	0.0565	-0.0722	-0.0648	0.0017	0.0000	0.1194	-0.0619	-0.0591	0.0013	0.0000	
Damerall 12kW	0.0108	-0.0558	-0.0269	0.0048	0.0028	0.0080	-0.0588	-0.0236	0.0054	-0.0004	0.0146	-0.0601	-0.0210	0.0035	-0.0014	0.0168	-0.0817	-0.0238	-0.0045	-0.0027	0.0355	-0.1049	-0.0223	0.0073	-0.0004	
Dana 12kW	0.0594	-0.0903	-0.0419	0.0016	0.0035	0.0441	-0.0878	-0.0373	0.0021	-0.0025	0.0805	-0.0823	-0.0338	0.0025	-0.0006	0.0925	-0.1018	-0.0378	0.0005	-0.0035	0.1955	-0.1173	-0.0533	0.0033	-0.0018	
Danby 16kW	0.0046	-0.0165	-0.0024	0.0000	0.0000	0.0028	-0.0017	-0.0023	0.0000	0.0004	0.0098	-0.0018	-0.0023	0.0000	0.0001	0.0228	-0.0019	-0.0024	0.0							

Facility	2018					2019					2020					2021					2022				
	se Demand (MW)	PV (MW) ²¹	EE (MW) ²¹	EV (MW) ²¹	LMDR (MW) ²¹	se Demand (MW)	PV (MW) ²¹	EE (MW) ²¹	EV (MW) ²¹	LMDR (MW) ²¹	se Demand (MW)	PV (MW) ²¹	EE (MW) ²¹	EV (MW) ²¹	LMDR (MW) ²¹	se Demand (MW)	PV (MW) ²¹	EE (MW) ²¹	EV (MW) ²¹	LMDR (MW) ²¹	se Demand (MW)	PV (MW) ²¹	EE (MW) ²¹	EV (MW) ²¹	LMDR (MW) ²¹
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	-0.0627	-0.0637	0.0008	0.0000
Delco 12kV	0.0000	-0.0429	-0.0157	0.0050	-0.0053	0.1105	-0.0421	-0.0124	0.0056	-0.0001	0.0000	-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	-0.0289	-0.0190	-0.0002	0.0000	0.1130	-0.0306	-0.0176	0.0046	-0.0004
Delhi 12kV	0.0000	-0.0434	-0.0421	0.0012	0.0047	0.0059	-0.0471	-0.0029	0.0000	0.0000	0.0000	-0.0478	-0.0027	0.0000	0.0000	0.0000	-0.0506	-0.0000	-0.0000	0.0000	0.0000	-0.0688	-0.0421	0.0023	0.0002
Delid 4.16kV	0.0000	-0.0192	-0.0055	0.0026	0.0000	0.0000	-0.0028	-0.0029	-0.0001	0.0000	0.0000	-0.0248	-0.0024	0.0000	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	-0.1169	-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	0.0686	-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
Dennis 12kV	0.0216	-0.0608	-0.0282	0.0037	0.0032	0.0160	-0.0614	-0.0244	0.0041	-0.0008	0.0293	-0.0606	-0.0214	0.0029	-0.0003	0.0336	-0.0802	-0.0246	-0.0003	-0.0027	0.0711	-0.1005	-0.0231	0.0060	-0.0004
Denker 4.16kV	0.0000	-0.0256	-0.0069	0.0016	0.0000	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	-0.0858	-0.0040	0.0056	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	-0.0004	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	-0.0356	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	-0.0272	-0.0002	0.0010	0.0000	0.1066	-0.0323	-0.0085	0.0009	0.0000
Deodara 12kV	0.0084	-0.0419	-0.0452	0.0009	0.0007	0.0062	-0.0459	-0.0438	0.0011	-0.0013	0.0113	-0.0489	-0.0429	0.0015	-0.0001	0.0130	-0.0526	-0.0432	0.0036	0.0000	0.0275	-0.0569	-0.0412	0.0026	0.0000
Derby 12kV	0.0016	-0.0470	-0.0067	0.0007	0.0003	0.0012	-0.0423	-0.0051	0.0009	0.0004	0.0022	-0.0363	-0.0337	0.0008	0.0000	0.0025	-0.0422	-0.0050	0.0003	0.0000	0.0053	-0.0450	-0.0000	0.0014	-0.0004
Derrick 4.16kV	0.0076	-0.0236	-0.0058	0.0024	0.0001	0.0056	-0.0226	-0.0037	0.0027	0.0000	0.0103	-0.0208	-0.0019	0.0000	0.0000	0.0118	-0.0279	-0.0035	0.0002	-0.0004	0.0341	-0.0038	0.0042	0.0004	0.0000
Desert 4.16kV	0.0000	-0.0110	-0.0023	0.0007	0.0000	0.0000	-0.0097	-0.0016	0.0008	0.0000	0.0000	-0.0079	-0.0009	0.0005	0.0000	0.0000	-0.0087	-0.0015	-0.0013	0.0000	0.0000	-0.0086	-0.0015	0.0009	0.0000
Desert Center 12kV	0.0000	-0.0021	-0.0022	0.0000	0.0000	0.0005	0.0000	-0.0023	-0.0022	0.0000	0.0000	-0.0025	-0.0021	0.0000	0.0000	-0.0026	-0.0022	0.0000	0.0000	0.0000	-0.0028	-0.0021	0.0000	0.0000	0.0000
Desert 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	0.0000	0.0001	0.0000
Desmond 12kV	3.6304	-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
Desolate 12kV	0.0297	-0.0420	-0.0104	0.0004	0.0000	0.0021	-0.0462	-0.0086	0.0004	0.0000	0.0403	-0.0477	-0.0071	0.0003	0.0000	0.0463	-0.0624	-0.0083	-0.0003	0.0000	0.0979	-0.0742	-0.0081	0.0006	0.0000
Desous 12kV	0.0447	-0.0440	-0.0373	0.0023	0.0131	0.0137	-0.0464	-0.0147	0.0021	0.0000	0.0259	-0.0478	-0.0029	0.0000	0.0000	0.0340	-0.0340	-0.0000	-0.0000	0.0000	0.1141	-0.0131	-0.0013	0.0011	0.0000
Deuce 12kV	0.0027	-0.0046	-0.0017	0.0057	0.0000	0.0000	-0.0120	-0.0183	0.0065	0.0000	0.0003	-0.0129	-0.0156	0.0045	0.0000	0.0026	-0.1504	-0.0182	-0.0104	0.0000	0.0055	-0.1804	-0.0073	0.0075	0.0000
Devils Gate 16kV	0.0730	-0.1181	-0.0630	0.0056	0.0038	0.0542	-0.1222	-0.0580	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	-0.0578	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	0.0067	-0.1378	-0.0244	0.0082	-0.0266	0.0756	-0.1747	-0.0294	-0.0105	-0.0018	0.1598	-0.2028	-0.0270	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	0.0021	-0.0596	-0.0266	0.0026	-0.0007	0.0022	-0.0723	-0.0285	-0.0009	0.0000	0.0052	-0.0815	-0.0266	0.0057	-0.0018
Dixie 12kV	0.0037	0.0000	0.0000	0.0001	0.0000	0.0295	0.0000	0.0000	0.0000	0.0000	0.0539	0.0000	0.0000	0.0000	0.0000	0.0519	0.0000	0.0000	-0.0001	0.0000	0.1308	0.0000	0.0000	0.0001	0.0000
Diablo 16kV	0.1266	-0.1308	-0.0844	0.0091	0.0025	0.0071	-0.1313	-0.0775	0.0110	-0.0026	0.0130	-0.1293	-0.0724	0.0096	-0.0030	0.0150	-0.1578	-0.0783	0.0039	-0.0053	0.0317	-0.1853	-0.0733	0.0176	-0.0027
Diamante 12kV	0.0300	-0.0578	-0.0416	0.0024	0.0007	0.0222	-0.0569	-0.0377	0.0027	-0.0014	0.0406	-0.0549	-0.0348	0.0019	-0.0025	0.0467	-0.0658	-0.0383	-0.0002	-0.0022	0.0986	-0.0757	-0.0357	0.0041	-0.0009
Diamond 4.16kV	0.0152	-0.0217	-0.0074	0.0024	0.0026	0.0112	-0.0223	-0.0063	0.0027	-0.0010	0.0205	-0.0224	-0.0054	0.0019	-0.0001	0.0236	-0.0299	-0.0063	-0.0002	0.0000	0.0499	-0.0377	-0.0600	0.0042	-0.0009
Diamondback 16kV	0.2900	-0.0976	-0.0153	0.0091	0.0000	0.8800	-0.0839	-0.0101	0.0102	0.0000	1.3200	-0.0684	-0.0057	0.0068	0.0000	0.0000	-0.0787	-0.0097	-0.0136	0.0000	0.0000	-0.8030	-0.0095	0.0127	0.0000
Diana 12kV	0.0059	-0.0648	-0.0409	0.0062	0.0055	0.0044	-0.0670	-0.0387	0.0071	-0.0018	0.0080	-0.0674	-0.0374	0.0050	-0.0010	0.0092	-0.0854	-0.0394	-0.0006	-0.0009	0.0195	-0.1041	-0.0367	0.0109	-0.0013
Dix 12kV	0.0146	-0.0483	-0.0688	0.0003	0.0099	0.0169	-0.0528	-0.0701	0.0003	0.0000	0.0198	-0.0560	-0.0272	0.0001	0.0003	0.0238	-0.0587	-0.0230	0.0001	0.0000	0.0482	-0.0518	-0.0665	0.0005	0.0000
Dixie 33kV	0.0674	-0.0009	-0.0003	0.0013	0.0000	0.0500	-0.0010	-0.0003	0.0014	0.0000	0.0913	-0.0011	-0.0003	0.0010	0.0000	0.1049	-0.0012	-0.0003	-0.0008	0.0000	0.2218	-0.0012	-0.0003	0.0108	0.0000
Dickerson 16kV	0.0219	-0.0727	-0.0531	0.0016	0.0067	0.0163	-0.0861	-0.0477	0.0018	-0.0044	0.0297	-0.0978	-0.0436	0.0013	-0.0021	0.0342	-0.1402	-0.0480	-0.0001	-0.0022	0.0723	-0.1882	-0.0451	0.0027	-0.0013
Die 12kV	0.0270	-0.0794	-0.0355	0.0048	0.0046	0.0200	-0.0891	-0.0295	0.0055	-0.0042	0.0366	-0.0926	-0.0246	0.0035	0.0004	0.0420	-0.1361	-0.0288	-0.0046	-0.0058	0.0889	-0.1788	-0.0277	0.0074	-0.0009
Digby 12kV	0.0238	-0.1129	-0.0236	0.0068	-0.0001	0.0176	-0.1049	-0.0166	0.0077	-0.0007	0.0222	-0.0948	-0.0106	0.0050	0.0001	0.0370	-0.1215	-0.0159	-0.0064	-0.0035	0.0782	-0.1442	-0.0155	0.0104	-0.0040
Dill 12kV	0.0171	-0.0528	-0.0133	0.0013	-0.0009	0.0127	-0.0512	-0.0088	0.0016	0.0003	0.0331	-0.0475	-0.0049	0.0004	0.0004	0.0266	-0.0629	-0.0004	-0.0004	0.0000	0.0562	-0.0758	-0.0082	0.0026	-0.0004
Dillon 12kV	0.0062	-0.0030	-0.0028	0.0003	0.0000	0.0040	-0.0034	-0.0029	0.0003	0.0000	0.0219	-0.0037	-0.0030	0.0003	0.0000	0.0252									

Facility	2018					2019					2020					2021					2022				
	se Demand (MW)	PV (MW) ¹⁸	EE (MW) ¹⁸	EV (MW) ¹⁸	LMDR (MW) ¹⁸	se Demand (MW)	PV (MW) ¹⁹	EE (MW) ¹⁹	EV (MW) ¹⁹	LMDR (MW) ¹⁹	se Demand (MW)	PV (MW) ²⁰	EE (MW) ²⁰	EV (MW) ²⁰	LMDR (MW) ²⁰	se Demand (MW)	PV (MW) ²¹	EE (MW) ²¹	EV (MW) ²¹	LMDR (MW) ²¹	se Demand (MW)	PV (MW) ²²	EE (MW) ²²	EV (MW) ²²	LMDR (MW) ²²
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	-0.0012	0.0088	-0.0545	-0.0264	0.0006	-0.0004	0.0186	-0.0629	-0.0246	0.0025	-0.0009
Dorman 12kV	0.0107	-0.0594	-0.0704	0.0022	0.0075	0.0079	-0.0591	-0.0697	0.0028	-0.0039	0.0144	-0.0589	-0.0699	0.0034	0.0016	0.0166	-0.0614	-0.0712	0.0007	0.0000	0.0351	-0.0640	-0.0660	0.0045	-0.0004
Dornes 12kV	0.0168	-0.0751	-0.0476	0.0040	0.0075	0.0125	-0.0799	-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	-0.1387	-0.0395	0.0077	-0.0009
Dorol 12kV	0.0227	-0.0949	-0.0235	0.0018	0.0041	0.0041	-0.0385	-0.0175	-0.0126	0.0024	0.0520	-0.0713	-0.0095	0.0014	-0.0013	0.0598	-0.0636	-0.0133	-0.0020	0.0000	0.1263	-0.0586	-0.0138	0.0018	-0.0004
Dorsey 12kV	0.0227	-0.0706	-0.0479	0.0022	0.0006	0.0145	-0.0431	-0.0026	-0.0003	0.0256	-0.0993	-0.0394	0.0023	-0.0016	0.0295	-0.1202	-0.0436	0.0009	-0.0018	0.0623	-0.1387	-0.0410	0.0042	-0.0013	-0.0004
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	0.0069	-0.0664	-0.0043	0.0021	0.0000
Dover 4.16kV	0.0000	-0.0077	-0.0077	0.0018	0.0000	0.0000	-0.0336	-0.0027	0.0000	0.0000	0.0000	-0.0359	-0.0015	0.0016	0.0000	0.0000	-0.0542	-0.0040	-0.0014	0.0000	0.0000	-0.0721	-0.0041	0.0029	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	-0.0475	-0.0024	0.0062	0.0000
Doyle 4.16kV	0.0009	-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	-0.0197	-0.0018	0.0047	0.0000
Dover 16kV	0.0000	-0.0076	-0.0027	0.0005	0.0000	0.0000	-0.0093	-0.0018	0.0006	0.0000	0.0000	-0.0109	-0.0010	0.0000	0.0000	0.0000	-0.0175	-0.0017	-0.0000	0.0000	0.0000	-0.0252	-0.0017	0.0008	0.0000
Drachma 12kV	0.1738	-0.2276	-0.0827	0.0012	0.0022	0.0362	-0.2416	-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	-0.3380	-0.0773	0.0023	-0.0013
Drag 12kV	0.1304	-0.0453	-0.0511	0.0003	0.0030	0.0107	-0.0475	-0.0510	0.0003	-0.0003	0.0195	-0.0466	-0.0517	0.0003	0.0024	-0.0548	-0.0525	0.0001	-0.0013	0.0474	-0.0608	-0.0484	0.0005	-0.0004	-0.0004
Dragon 12kV	0.0177	-0.0380	-0.0378	0.0002	0.0000	0.0132	-0.0424	-0.0375	0.0002	0.0000	0.0240	-0.0453	-0.0375	0.0003	0.0000	0.0276	-0.0494	-0.0375	0.0001	0.0000	0.0584	-0.0534	-0.0355	0.0004	0.0000
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	-0.0002	0.0000	0.1066	-0.0344	-0.0387	0.0002	0.0000
Drambuie 12kV	0.0217	-0.0275	-0.0333	0.0003	0.0131	0.0217	-0.0308	-0.0333	0.0003	-0.0039	0.0272	-0.0334	-0.0336	0.0004	0.0014	0.0314	-0.0348	-0.0332	0.0001	0.0000	0.0664	-0.0366	-0.0314	0.0005	0.0000
Dredge 12kV	1.2730	-0.5991	-0.0687	0.0008	0.0000	0.0111	-0.0661	-0.0685	0.0010	-0.0036	0.0203	-0.0718	-0.0686	0.0014	0.0005	0.0234	-0.0747	-0.0676	0.0033	0.0000	0.0494	-0.0787	-0.0543	0.0024	0.0000
Dressen 12kV	0.0097	-0.0406	-0.0002	0.0017	0.0072	0.0072	-0.0289	-0.0413	0.0003	-0.0013	0.0132	-0.0513	-0.0425	0.0003	0.0000	0.0152	-0.0528	-0.0024	0.0001	0.0000	0.0321	-0.0547	-0.0396	0.0004	0.0000
Dreyer 12kV	0.0040	-0.0522	-0.0201	0.0044	0.0005	0.0030	-0.0494	-0.0121	0.0054	0.0004	0.0054	-0.0454	-0.0052	0.0047	-0.0006	0.0062	-0.0601	-0.0113	0.0019	-0.0004	0.0131	-0.0736	-0.0113	0.0086	-0.0040
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	-0.1474	-0.1087	0.0034	-0.0004
Driftwood 12kV	0.0000	-0.1065	-0.0466	0.0271	0.0043	0.0030	-0.1086	-0.0388	0.0306	0.0003	0.0000	-0.1081	-0.0324	0.0198	-0.0108	0.0000	-0.1454	-0.0388	-0.0255	-0.0035	0.0000	-0.1850	-0.0366	0.0414	-0.0035
Drill 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	-0.0203	-0.0016	0.0019	0.0000
Driver 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	-0.0748	-0.0175	0.0090	-0.0013
Drsak 16kV	0.0032	-0.1528	-0.0314	0.0261	0.0000	0.0000	-0.1538	-0.0237	0.0293	0.0000	0.0043	-0.1224	-0.0173	0.0194	0.0000	0.0049	-0.1413	-0.0218	-0.0089	0.0000	0.0188	-0.1452	-0.0381	0.0034	-0.0009
Drive Inlet 12kV	0.0000	-0.0289	-0.0092	0.0038	0.0000	0.0000	-0.0266	-0.0061	0.0047	0.0000	0.0000	-0.0240	-0.0034	0.0035	0.0000	0.0000	-0.0294	-0.0158	-0.0029	0.0000	0.0000	-0.0338	-0.0075	0.0062	0.0000
Driver 12kV	0.3469	-0.0448	-0.0214	0.0008	0.0000	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	-0.0015	0.0000	0.0401	-0.0559	0.0190	0.0000
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	0.0528	-0.0845	-0.0160	0.0065	-0.0009
Drome 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	0.0531	-0.1078	-0.0206	0.0122	-0.0031
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	0.0000	0.0071	-0.0567	-0.0089	-0.0045	-0.0018	0.0149	-0.0738	-0.0086	0.0073	-0.0009
Dry Canyon 16kV	0.0000	-0.1062	-0.0829	0.0008	0.0000	-0.0041	-0.0554	-0.0887	0.0022	0.0005	0.0090	-0.1075	-0.0820	0.0016	-0.0025	0.0104	-0.1247	-0.0841	-0.0002	0.0000	0.0000	-0.1381	-0.0776	0.0034	-0.0009
Ducat 12kV	0.0488	-0.0269	-0.0412	0.0119	-0.0038	0.0362	-0.0295	-0.0384	0.0144	0.0002	0.0661	-0.0313	-0.0366	0.0125	0.0005	0.0760	-0.0358	-0.0392	0.0051	0.0000	0.1607	-0.0404	-0.0343	0.0231	-0.0009
Ducor 12kV	0.0446	-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	0.2062	-0.0203	-0.0060	0.0000	0.0000
Duka 12kV	0.0290	-0.0516	-0.0683	0.0017	0.0045	0.0215	-0.0519	-0.0687	0.0019	-0.0002	0.0392	-0.0590	-0.0701	0.0013	-0.0012	0.0451	-0.0655	-0.0709	-0.0002	0.0000	0.0954	-0.0729	-0.0652	0.0029	0.0000
Duffer 16kV	0.2278	-0.1518	-0.0667	0.0075	0.0092	0.0024	-0.1444	-0.0626	0.0085	-0.0009	0.0043	-0.1303	-0.0599	0.0060	-0.0013	0.0049	-0.1462	-0.0399	-0.0007	-0.0013	0.0104	-0.1504	-0.0593	0.0131	-0.0004
Duke 12kV	0.6368	-0.0658	-0.0478	0.0041	0.0024	0.0329	-0.0636	-0.0459	0.0047	-0.0006	0.7898	-0.0606	-0.0449	0.0033	-0.0005	0.6990	-0.0697	-0.0470	-0.0004	-0.0013	0.1458	-0.0769	-0.0435	0.0072	-0.0022
Dumas 12kV	0.3238	-0.1302	-0.0369	0.0008	0.0088	0.0065	-0.0373	-0.0009	-0.0008	0.0000	0.0119	-0.0357	-0.0081	0.0000	0.0000	0.0137	-0.0398	-0.0383	-0.0007	0.0000	0.0296	-0.0344	-0.0354	0.0012	0.0000
Dunbar 4.16kV	0.0076	-0.148	-0.067	0.0024	0.0000	0.0056	-0.1158	-0.0443	0.0027	0.0000	0.0103	-0.1047	-0.0022	0.0019	0.0000	0.0118	-0.0294	-0.0040	-0.0044	0.0000	0.0249	-0.0262	-0.0040	0.0032	0.0000
Dundas 4.16kV	0.0038	-0.0186	-0.0091	0.0007	0.0000	0.0008	-0.0196	-0.0052	0.0023	0.0000	0.0051	-0.0201	-0.0018	0.0017	0.0000	0.0059	-0.0300	-0.0047	0.0049	0.0000	0.0125	-0.0422	-0.0048	0.0031	0.0000
Dundas 16kV	0.0467	-0.0204	-0.0203	0.0002	0.0018	0.0347	-0.0238	-0.0198	0.0003	0.0000	0.6333	-0.0267	-0.0196	0.0004	-0.0007	0.0728	-0.0363	-0.0203	0.0001	0.0000	0.1539	-0.0468	-0.0188	0.0005	0.0000
Dungan 12kV	0.0673	-0.0800	-0.0279	0.0006	0.0050	0.0852	-0.0815	-0.0255	0.0007	-0.0002	0.0913	-0.0740	-0.0237	0.0005	-0.0009	0.1049	-0.0857	-0.0259	-0.0001	-0.0013	0.2217	-0.0903	-0.0243	0.0010	-0.0009
Dunkirk 12kV	0.0432	-0.0809	-0.0340	0.0066	-0.0037	0.0320	-0.0841	-0.0285	0.0075	-0.0032	0.0585	-0.0833	-0.0240	0.0053	-0.0028	0.0673	-0.1091	-0.0283	-0.0006	-0.0027	0.1422	-0.1294	-0.0269	0.0116	-0.0031
Dunlap 12kV	1.5200	-0.0346	-0.0372	0.0006	0.0008	0.0000	-0.0394	-0.0366	0.0008	0.0004	0.0000	-0.0430	-0.0066	0.0007	0.0000	0.0000	-0.0542								

Facility	2018					2019					2020					2021					2022					
	se Demand (MW)	PV (MW) ²¹	EE (MW) ²¹	EV (MW) ²¹	LMDR (MW) ²¹	se Demand (MW)	PV (MW) ²¹	EE (MW) ²¹	EV (MW) ²¹	LMDR (MW) ²¹	se Demand (MW)	PV (MW) ²¹	EE (MW) ²¹	EV (MW) ²¹	LMDR (MW) ²¹	se Demand (MW)	PV (MW) ²¹	EE (MW) ²¹	EV (MW) ²¹	LMDR (MW) ²¹	se Demand (MW)	PV (MW) ²¹	EE (MW) ²¹	EV (MW) ²¹	LMDR (MW) ²¹	
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	0.0000	0.0000	-0.0085	0.0000	0.0004	0.0000
Egmont 12kV	0.0000	-0.0378	-0.0304	0.0041	0.0016	0.0000	-0.0397	-0.0275	0.0046	-0.0003	0.0000	-0.0408	-0.0253	0.0032	-0.0001	0.0000	-0.0524	-0.0279	-0.0004	-0.0004	0.0000	-0.0650	-0.0260	0.0071	-0.0013	-0.0009
Eighteenth 12kV	0.0100	-0.0090	-0.0018	0.0011	0.0010	0.0074	-0.0088	-0.0012	0.0012	-0.0004	0.0136	-0.0066	-0.0008	0.0008	0.0002	0.0156	-0.0074	-0.0012	-0.0010	-0.0004	0.0330	-0.0075	-0.0012	0.0017	-0.0009	0.0000
El Camino 4.16kV	0.0000	-0.0000	-0.0004	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	-0.0000	-0.0000	-0.0000	0.0000	-0.0000	-0.0000	-0.0000	-0.0000	0.0000
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	0.0000	-0.0251	-0.0081	0.0064	0.0000	0.0000
El Mirador 12kV	0.9296	-0.9386	-0.0042	0.0004	0.0000	0.0061	-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	0.2844	-0.0386	-0.0030	0.0017	0.0000	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	0.0000	0.0000	0.0089	-0.0047	-0.0030	0.0027	0.0000	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	0.0194	-0.0488	-0.0024	0.0017	0.0000	0.0000
El Toro 12kV	0.0140	-0.0592	-0.0233	0.0118	-0.0044	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	0.0462	-0.0764	-0.0154	0.0207	-0.0035	-0.0000
Elaine 2.8kV	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	-0.0000	0.0000	0.0000	-0.0020	-0.0001	0.0003	0.0000	0.0000
Elm 12kV	0.0140	-0.0592	-0.0233	0.0118	-0.0044	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	0.0462	-0.0764	-0.0154	0.0207	-0.0035	-0.0000
Electric 16kV	0.0081	-0.0171	-0.0181	0.0007	-0.0071	0.0060	-0.0176	-0.0179	0.0009	0.0000	0.0109	-0.0807	-0.0874	0.0016	-0.0017	0.0000	-0.0840	-0.0886	0.0007	0.0000	0.0000	-0.0885	-0.0812	0.0030	0.0000	0.0000
Electric 16kV	0.0081	-0.0171	-0.0181	0.0007	-0.0071	0.0060	-0.0176	-0.0179	0.0009	0.0000	0.0109	-0.0807	-0.0874	0.0016	-0.0017	0.0000	-0.0840	-0.0886	0.0007	0.0000	0.0000	-0.0885	-0.0812	0.0030	0.0000	0.0000
Elementary 4.16kV	0.0000	-0.0039	-0.0013	0.0010	0.0000	0.0000	-0.0049	-0.0008	0.0012	0.0000	0.0000	-0.0040	-0.0003	0.0000	0.0000	-0.0059	-0.0007	0.0001	0.0000	0.0000	-0.0009	-0.0009	-0.0003	0.0000	0.0000	0.0000
Elephant 12kV	0.0000	-0.0500	-0.0771	0.0013	-0.0054	2.9348	-0.0551	-0.0777	0.0017	-0.0003	0.0080	-0.0587	-0.0793	0.0020	-0.0008	0.0092	-0.0640	-0.0801	0.0004	0.0000	0.0194	-0.0694	-0.0738	0.0026	-0.0009	-0.0000
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	0.0000	0.0328	-0.0110	-0.0236	0.0005	0.0000	0.0000
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	-0.0039	-0.0009	0.0162	-0.0223	-0.0015	0.0063	-0.0004	-0.0000
Elfers 4.8kV	0.0000	-0.0187	-0.0036	0.0001	-0.0002	0.0000	-0.0162	-0.0022	0.0001	-0.0013	0.0000	-0.0000	-0.0010	-0.0001	0.0000	0.0000	-0.0147	-0.0020	0.0000	0.0000	0.0000	-0.0147	-0.0020	0.0000	0.0000	0.0000
Elk 12kV	0.0571	-0.0129	-0.0047	0.0005	0.0000	0.0424	-0.0144	-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	0.1881	-0.0170	-0.0047	0.0017	0.0000	0.0000
Elko 4.16kV	0.0038	-0.0115	-0.0041	0.0013	0.0000	0.0029	-0.0105	-0.0028	0.0041	0.0000	0.0052	-0.0089	-0.0018	0.0020	0.0000	0.0060	-0.0098	-0.0027	0.0025	0.0000	0.0126	-0.0021	0.0054	0.0000	0.0000	0.0000
Elkport 12kV	0.7150	-0.0851	-0.0309	0.0086	0.0000	0.6153	-0.0904	-0.0256	0.0096	0.0000	0.5708	-0.0940	-0.0213	0.0064	0.0000	0.6888	-0.1297	-0.0256	-0.0127	0.0000	0.1454	-0.1686	-0.0242	0.0119	0.0000	0.0000
Ellenwood 16kV	0.0233	-0.0305	-0.0339	0.0029	0.0000	0.0173	-0.0330	-0.0330	0.0038	0.0000	0.0915	-0.0347	-0.0326	0.0055	0.0000	0.0362	-0.0417	-0.0338	0.0011	0.0000	0.0766	-0.0498	-0.0312	0.0061	0.0000	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	-0.0959	-0.0177	0.0000	-0.0025	0.0379	-0.1157	-0.0213	-0.0000	-0.0062	0.0401	-0.1243	-0.0202	0.0011	-0.0053	-0.0000
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	0.0050	-0.0323	-0.0059	-0.0007	0.0000	0.0106	-0.0398	-0.0056	0.0012	-0.0004	-0.0000
Elm 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	-0.0010	0.0000	0.0000	0.0000	-0.0070	-0.0016	0.0003	0.0000	0.0000	-0.0070	-0.0016	0.0003	0.0000	0.0000
Elmer 16kV	0.0146	-0.0631	-0.0319	0.0104	0.0064	0.0108	-0.0657	-0.0198	0.0118	-0.0016	0.0198	-0.0613	-0.0238	0.0000	0.0000	0.0228	-0.0888	-0.0275	-0.0009	0.0000	0.0481	-0.1105	-0.0259	0.0181	-0.0009	0.0000
Elmora 4.16kV	0.0030	-0.0178	-0.0053	0.0037	0.0000	0.0023	-0.0132	-0.0030	0.0042	0.0000	0.0041	-0.0195	-0.0011	0.0030	0.0000	0.0000	-0.0282	-0.0028	-0.0003	-0.0004	0.0000	-0.0363	-0.0028	0.0065	-0.0013	-0.0000
Elmo 12kV	0.3056	-0.0084	-0.0041	0.0001	0.0000	0.0513	-0.0094	-0.0041	0.0001	0.0000	0.0439	-0.0102	-0.0041	0.0001	0.0000	0.0505	-0.0108	-0.0041	0.0001	0.0000	0.0711	-0.0116	-0.0041	0.0001	0.0000	0.0000
Elowin 12kV	0.0506	-0.0548	-0.0378	0.0020	0.0022	0.0375	-0.0510	-0.0328	0.0022	-0.0025	0.0686	-0.0471	-0.0289	0.0016	-0.0026	0.0788	-0.0547	-0.0331	-0.0002	-0.0058	0.1666	-0.0609	-0.0340	0.0034	-0.0040	-0.0000
Elpac 12kV	0.0240	-0.0199	-0.0353	0.0008	0.0009	0.0078	-0.0223	-0.0362	0.0010	0.0000	0.0325	-0.0242	-0.0376	0.0008	0.0001	0.0047	-0.0252	-0.0375	0.0003	0.0000	0.0099	-0.0265	-0.0310	0.0015	0.0000	0.0000
El Prado 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	-0.0043	0.0370	-0.0801	-0.0092	-0.0007	-0.0035	0.0782	-0.1016	-0.0089	0.0132	-0.0044	-0.0000
Elroy 16kV	0.0219	-0.0536	-0.0215	0.0020	0.0089	0.0163	-0.0600	-0.0718	0.0025	0.0000	0.0397	-0.0649	-0.0279	0.0000	-0.0013	0.0441	-0.0709	-0.0029	0.0000	0.0000	0.0779	-0.0798	-0.0079	0.0060	0.0000	0.0000
Elster 12kV	0.2270	-0.0690	-0.0187	0.0022	0.0000	0.2000	-0.0601	-0.0120	0.0025	0.0000	0.0366	-0.0483	-0.0063	0.0017	0.0000	0.0420	-0.0542	-0.0114	-0.0040	0.0000	0.0889	-0.0577	-0.0113	0.0029	0.0000	0.0000
Elsworth 12kV	0.0454	-0.0519	-0.0384	0.0018	0.0047	0.0337	-0.0533	-0.0348	0.0020	0.0008	0.0616	-0.0533	-0.0322	0.0014	-0.0024	0.0708	-0.0665	-0.0353	-0.0002	-0.0004	0.1496	-0.0801	-0.0330	0.0031	-0.0004	-0.0000
Emigrant 12kV	0.0000	-0.0028	-0.0030	0.0000	0.0003	0.0000	-0.0027	-0.0030	0.0000	0.0001	0.0000	-0.0028	-0.0031	0.0000	0.0000	-0.0029	-0.0031	0.0000	0.0000	0.0000	-0.0029	-0.0029	-0.0029	0.0000	0.0000	0.0000
Emory 12kV	0.0141	-0.0070	-0.0105	0.0006	0.0024	0.0105	-0.0078	-0.0107	0.0007	-0.0002	0.0191	-0.0084	-0.0111	0.0005	-0.0003	0.0220	-0.0088	-0.0111	-0.0001	0.0000	0.0465	-0.0094	-0.0102	0.0011	-0.0004	-0.0000
Empire 16kV	1.4706	-0.1283	-0.0643	0.0062	0.0102	0.0024	-0.1220	-0.0612	0.0070	-0.0007	0.0043	-0.1119	-0.0594	0.0050	-0.0006	0.0049	-0.1256	-0.0626	-0.0006	-0.0004	0.0104	-0.1308	-0.0580	0.0109	-0.0000	0.0000
Empire 4.16kV	0.0040	-0.0275	-0.0067	0.0008	0.0023	0.0029	-0.0224	-0.0052	0.0009	-0.0005	0.0098	-0.0272	-0.0039	0.0006	-0.0003	0.0062	-0.0354	-0.0051	-0.0001	-0.0009	0.0130	-0.0404	-0.0049	0.0016	0.0000	0.0000
Empress 12kV	0.0056	-0.0159	-0.0041	0.0014	0.0000	0.0060	-0.0081	-0.0043	0.0000	0.0000	0.0076	-0.0136	-0.0064	0.0000	0.0000	0.0087	-0.0440	-0.0093	0.0036	0.0000	0.0184	-0.0389	-0.0031	0.0000	0.0000	0.0000
Empsca 16kV	0.0438																									

Facility	2018					2019					2020					2021					2022					
	se Demand (MW)	PV (MW) ²¹	EE (MW) ²¹	EV (MW) ²¹	LMDR (MW) ²¹	se Demand (MW)	PV (MW) ²¹	EE (MW) ²¹	EV (MW) ²¹	LMDR (MW) ²¹	se Demand (MW)	PV (MW) ²¹	EE (MW) ²¹	EV (MW) ²¹	LMDR (MW) ²¹	se Demand (MW)	PV (MW) ²¹	EE (MW) ²¹	EV (MW) ²¹	LMDR (MW) ²¹	se Demand (MW)	PV (MW) ²¹	EE (MW) ²¹	EV (MW) ²¹	LMDR (MW) ²¹	
Exline 16kV	0.0313	-0.1025	-0.0419	0.0054	0.0041	0.0232	-0.1193	-0.0372	0.0060	-0.0006	0.0424	-0.1317	-0.0334	0.0039	-0.0017	0.0488	-0.1861	-0.0373	-0.0050	-0.0004	0.1031	-0.2397	-0.0354	0.0082	-0.0004	
Explorer 12kV	1.2846	-0.0433	-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	-0.2377	-0.0479	0.0050	0.0000	
Expo 4.16kV	0.0027	-0.0182	-0.0058	0.0004	0.0010	0.0020	-0.0234	-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 38kV	0.0139	-0.0001	-0.0000	0.0004	0.0000	0.0000	0.0251	0.0000	0.0000	0.0000	0.0458	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	
Extinguisher 12kV	0.0363	-0.0331	-0.0556	0.0000	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	
Erra 4.16kV	0.0076	-0.0352	-0.0063	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	-0.0037	-0.0018	0.0000	0.0249	-0.0957	-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	0.0000	0.0000	0.0292	-0.0416	-0.0277	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	-0.0024	-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	0.0100	0.0000	
Faculty 4.16kV	0.0060	-0.0235	-0.0050	0.0014	0.0000	0.0044	-0.0239	-0.0028	0.0017	0.0000	0.0081	-0.0237	-0.0009	0.0014	0.0000	0.0093	-0.0348	-0.0005	0.0006	0.0000	0.0196	-0.0468	-0.0026	0.0027	-0.0004	
Fagan 12kV	0.0299	-0.0342	-0.0357	0.0015	0.0000	0.0222	-0.0370	-0.0349	0.0018	0.0000	0.0025	-0.0390	-0.0346	0.0026	0.0000	0.0065	-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	0.0000	-0.1103	-0.0023	0.0009	0.0000	0.0000	-0.0096	-0.0015	0.0029	0.0000	0.0000	-0.0114	-0.0022	-0.0004	0.0000	0.0000	-0.0124	-0.0021	0.0051	0.0000	
Fairbanks 4.16kV	0.0001	-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	-0.0018	0.0000	0.0070	-0.0441	-0.0028	0.0039	0.0000	
Fairburn 12kV	0.0020	-0.0279	0.0000	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	
Fairhaven 16kV	0.1634	-0.0663	-0.0800	0.0030	0.0103	0.1599	-0.0750	-0.0780	0.0037	0.0012	1.1981	-0.0818	-0.0774	0.0032	-0.0045	0.2029	-0.0999	-0.0800	0.0013	0.0000	0.0441	-0.1170	-0.0740	0.0059	-0.0009	
Fairview 4.16kV	0.0000	-0.0137	-0.0019	0.0001	0.0001	0.0000	-0.0109	-0.0000	0.0000	0.0000	0.0000	-0.0083	-0.0007	0.0000	0.0000	0.0000	-0.0089	-0.0012	-0.0001	0.0000	0.0000	-0.0086	-0.0012	0.0001	-0.0004	
Fairway 12kV	0.0188	-0.0284	-0.0255	0.0042	0.0024	0.0140	-0.0298	-0.0252	0.0048	-0.0024	0.0000	-0.0307	-0.0053	0.0000	0.0000	0.0000	-0.0258	0.0000	0.0000	0.0000	0.0000	-0.0239	0.0074	0.0000	0.0000	
Fairmont 12kV	0.0110	-0.0028	-0.0010	0.0010	0.0000	0.0081	-0.0027	-0.0008	0.0012	0.0000	0.0149	-0.0026	-0.0006	0.0017	0.0000	0.0171	-0.0029	-0.0008	0.0028	0.0000	0.0361	-0.0022	-0.0008	0.0026	0.0000	
Fairplex 12kV	0.0000	-0.0152	-0.0143	0.0015	0.0000	0.0000	-0.0170	-0.0146	0.0017	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	
Fairway 12kV	0.0045	-0.0706	-0.0251	0.0076	0.0030	0.0034	-0.0680	-0.0193	0.0086	-0.0019	0.0061	-0.0638	-0.0144	0.0061	0.0001	0.0071	-0.0827	-0.0190	-0.0007	-0.0013	0.0149	-0.1001	-0.0182	0.0133	-0.0009	
Falcon 4.16kV	0.0047	-0.0039	-0.0043	0.0011	0.0000	0.0005	-0.0045	-0.0027	0.0013	0.0000	0.0064	-0.0050	-0.0013	0.0010	0.0000	0.0073	-0.0073	-0.0025	-0.0008	0.0000	0.0155	-0.0096	-0.0025	0.0117	0.0000	
Fallis 4.16kV	0.0040	-0.0038	-0.0050	0.0003	0.0028	0.0029	-0.0042	-0.0050	0.0003	-0.0002	0.0054	-0.0044	-0.0051	0.0003	-0.0003	0.0062	-0.0050	-0.0052	0.0001	0.0000	0.0130	-0.0057	-0.0048	0.0005	0.0000	
Fallon 12kV	0.0168	-0.0092	-0.0289	0.0056	0.0029	0.0088	-0.0291	-0.0043	0.0064	0.0000	0.0041	-0.0123	-0.0027	0.0013	0.0000	0.0123	-0.0248	-0.0000	-0.0013	0.0000	0.0113	-0.0248	-0.0000	0.0000	0.0000	
Falls 2.4kV	0.0000	-0.0001	-0.0000	0.0001	0.0000	0.0000	-0.0001	0.0000	0.0001	0.0000	0.0000	-0.0001	0.0000	0.0000	0.0000	0.0000	-0.0002	0.0000	-0.0001	0.0000	0.0000	-0.0003	0.0000	0.0000	0.0000	
Famous 38kV	0.0035	0.0000	0.0000	0.0001	0.0000	0.0000	0.0026	0.0000	0.0000	0.0000	0.0047	0.0000	0.0000	0.0000	0.0000	0.0054	0.0000	0.0000	0.0004	0.0000	0.0115	0.0000	0.0000	0.0002	0.0000	
Fano 12kV	0.0182	-0.0993	-0.0172	0.0102	0.0009	0.0135	-0.0984	-0.0111	0.0115	-0.0006	0.0046	-0.0930	-0.0058	0.0075	-0.0005	0.0283	-0.1233	-0.0105	-0.0096	-0.0022	0.0000	-0.0598	-0.1479	-0.0104	0.0156	-0.0018
Fantail 16kV	0.4965	-0.0263	-0.0422	0.0235	0.0000	0.3684	-0.0295	-0.0352	0.0267	0.0000	0.0000	-0.0320	-0.0296	0.0184	0.0000	0.0000	-0.0333	-0.0353	-0.0430	0.0000	0.0000	-0.0351	-0.0333	0.0309	0.0000	
Fantastico 12kV	0.0454	-0.1315	-0.0270	0.0029	-0.0009	0.0387	-0.1285	-0.0224	0.0033	-0.0008	0.0616	-0.1192	-0.0187	0.0023	-0.0002	0.0708	-0.1527	-0.0224	-0.0003	0.0000	0.1496	-0.1765	-0.0212	0.0051	-0.0013	
Fanwood 4.16kV	0.0000	-0.0220	-0.0063	0.0037	0.0001	0.0000	-0.0023	-0.0044	0.0000	0.0000	0.0041	-0.0021	-0.0027	0.0000	0.0000	0.0000	-0.0029	-0.0042	-0.0003	-0.0004	0.0101	-0.0376	-0.0044	0.0065	-0.0013	
Farallon 12kV	0.0071	-0.0604	-0.0932	0.0016	0.0013	0.0053	-0.0670	-0.0946	0.0020	0.0003	0.0096	-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	
Fargo 12kV	0.0251	-0.0317	-0.0284	0.0003	0.0070	0.0186	-0.0332	-0.0275	0.0000	-0.0008	0.0040	-0.0340	-0.0272	0.0005	-0.0009	0.0391	-0.0403	-0.0280	0.0012	0.0000	0.0825	-0.0469	-0.0261	0.0009	-0.0013	
Farmington 12kV	0.0040	-0.0166	-0.0123	0.0025	0.0011	0.0029	-0.0150	-0.0109	0.0029	0.0003	0.0054	-0.0135	-0.0097	0.0020	-0.0004	0.0062	-0.0149	-0.0110	-0.0002	-0.0004	0.0131	-0.0159	-0.0193	0.0044	-0.0004	
Farms 12kV	0.0168	-0.0304	-0.0386	0.0012	0.0008	0.0125	-0.0988	-0.0314	0.0014	0.0000	0.0228	-0.0923	-0.0015	0.0026	0.0000	0.0118	-0.0313	-0.0312	-0.0001	-0.0013	0.0553	-0.1413	-0.0206	0.0021	-0.0009	
Faro 12kV	0.0199	-0.0152	-0.0105	0.0009	0.0000	0.0148	-0.0170	-0.0106	0.0010	0.0000	0.0030	-0.0184	-0.0108	0.0008	0.0000	0.0109	-0.0192	-0.0107	-0.0006	0.0000	0.0230	-0.0202	-0.0100	0.0014	0.0000	
Farming 12kV	0.0488	-0.0909	-0.0242	0.0270	0.0000	0.0382	-0.0949	-0.0160	0.0331	0.0000	0.0661	-0.0961	-0.0090	0.0000	0.0160	0.0760	-0.1326	-0.0000	-0.0000	0.0000	0.1607	-0.1574	-0.0150	0.0430	0.0000	
Fashion 12kV	0.0171	-0.0003	0.0000	0.0010	0.0000	0.0127	-0.0003	0.0000	0.0019	0.0000	0.0030	-0.0000	0.0000	0.0030	0.0000	0.0267	-0.0004	0.0000	0.0017	0.0000	0.0564	-0.0004	0.0000	0.0026	0.0000	
Faust 4.16kV	0.0031	-0.0244	-0.0048	0.0044	0.0000	0.0000	0.0023	-0.0240	-0.0028	0.0049	0.0000	0.0041	-0.0231	-0.0010	0.0032	0.0000	0.0048	-0.0325	-0.0025	-0.0065	0.0000	0.0101	-0.0421	-0.0026	0.0061	0.0000
Faye 12kV	0.0216	-0.0299	-0.0059	0.0002	0.0026	0.0160	-0.0352	-0.0045	0.0002	0.0006	0.0219	-0.0370	-0.0033	0.0002	-0.0015	0.0252	-0.0572	-0.0044	0.0000	-0.0004	0.0533	-0.0751	-0.0042	0.0003	-0.0009	
Federal 13kV	0.0000	-0.0134	-0.0244	0.0018	0.0000	0.0000	-0.0149	-0.0250	0.0022	0.0000	0.0000	-0.0162	-0.0259	0.0000	0.0000	0.0000	-0.0169	-0.0259	0.0005	0.0000	0.0000	-0.0178	-0.0238	0.0035	0.0000	
Federer 12kV	0.0558	-0.1104	-0.0342	0.0025	0.0017	0.0414	-0.1118	-0.0270	0.0029	-0.0003	0.0756	-0.1106	-0.0209	0.0020	-0.0004	0.0869	-0.1516	-0.0265	-0.0002	-0.0013	0.1837	-0.1956	-0.0254	0.0044	-0.0040	
Felia 12kV	0.0281	-0.0482	-0.0298	0.0044	0.0000	0.0088	-0.0491	-0.0218	0.0047	-0.0003	0.0381	-0.0483	-0.0098	0.0033												

Facility	2018					2019					2020					2021					2022					
	se Demand (MW)	PV (MW) ²¹	EE (MW) ¹⁸	EV (MW) ¹⁸	LMDR (MW) ¹⁸	se Demand (MW)	PV (MW) ¹⁹	EE (MW) ¹⁹	EV (MW) ¹⁹	LMDR (MW) ¹⁹	se Demand (MW)	PV (MW) ²⁰	EE (MW) ²⁰	EV (MW) ²⁰	LMDR (MW) ²⁰	se Demand (MW)	PV (MW) ²¹	EE (MW) ²¹	EV (MW) ²¹	LMDR (MW) ²¹	se 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	0.1836	-0.0860	-0.0694	0.0011	0.0000	
Fleming 12kV	0.0094	-0.0481	-0.0482	0.0004	0.0000	0.0070	-0.0385	-0.0487	0.0005	0.0000	0.0128	-0.0450	-0.0498	0.0007	0.0000	0.0147	-0.0479	-0.0501	0.0011	0.0000	0.0311	-0.0544	-0.0462	0.0010	0.0000	
Flight 12kV	0.0166	-0.0225	-0.0323	0.0013	0.0060	0.0123	-0.0223	-0.0298	0.0015	-0.0030	0.0225	-0.0222	-0.0280	0.0013	-0.0011	0.0259	-0.0234	-0.0303	0.0005	-0.0018	0.0547	-0.0243	-0.0282	0.0025	0.0000	
Flint 12kV	0.0048	-0.0276	-0.0284	0.0046	0.0000	0.0076	-0.0276	-0.0284	0.0000	0.0000	0.0065	-0.0285	-0.0334	0.0007	-0.0026	0.0075	-0.0304	-0.0340	0.0000	-0.0018	0.0130	-0.0460	-0.0430	0.0060	-0.0010	
Flintbridge 4.16kV	0.0000	-0.0273	-0.0047	0.0027	0.0005	0.0000	-0.0028	-0.0028	0.0000	0.0000	0.0000	-0.0269	-0.0012	-0.0002	0.0000	-0.0360	-0.0026	0.0000	0.0000	0.0000	0.0000	-0.0421	-0.0026	0.0047	0.0000	
Floodgate 12kV	0.0536	-0.1793	-0.0288	0.0112	0.0000	0.0398	-0.1713	-0.0197	0.0125	0.0000	0.0727	-0.1547	-0.0119	0.0083	0.0000	0.0836	-0.1945	-0.0189	-0.0166	0.0000	0.1766	-0.2208	-0.0185	0.0155	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	-0.1426	-0.0495	-0.0000	-0.0035	0.0000	-0.1264	-0.0462	0.0092	-0.0022	
Florence 16kV	0.0652	-0.0885	-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	-0.1681	-0.0498	-0.0019	0.0000	0.2148	-0.2134	-0.0469	0.0001	0.0000	
Flores 12kV	0.0080	-0.0265	-0.0419	0.0012	0.0028	0.0059	-0.0296	-0.0427	0.0015	-0.0020	0.0108	-0.0321	-0.0439	0.0020	0.0006	0.0060	-0.0355	-0.0437	0.0049	0.0000	0.0127	-0.0354	-0.0404	0.0036	0.0000	
Flute 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	0.0023	-0.0013	0.0081	-0.0748	-0.0447	0.0010	-0.0013	0.0170	-0.0860	-0.0421	0.0045	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	-0.0015	0.0526	-0.1634	-0.0174	-0.0001	-0.0027	0.1043	-0.1770	-0.0169	0.0011	-0.0031	
Flory 12kV	0.4130	-0.0239	-0.0071	0.0023	0.0000	0.0080	-0.0239	-0.0059	0.0000	0.0146	-0.0234	-0.0049	0.0017	0.0000	0.0202	-0.0280	-0.0058	-0.0034	0.0000	0.0355	-0.0021	-0.0058	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	-0.0004	
Flower 4.16kV	0.0023	-0.0329	-0.0087	0.0015	0.0000	0.0017	-0.0367	-0.0051	0.0018	0.0000	0.0032	-0.0387	-0.0019	0.0004	0.0000	0.0037	-0.0374	-0.0047	0.0000	0.0000	0.0074	-0.0573	-0.0047	0.0024	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	-0.0181	-0.0074	0.0000	0.1766	-0.1422	-0.0173	0.0070	0.0000	
Flute 12kV	0.0221	-0.0423	-0.0560	0.0022	0.0098	0.0168	-0.0458	-0.0359	0.0028	-0.0002	0.0299	-0.0482	-0.0566	0.0033	-0.0012	0.0344	-0.0547	-0.0575	0.0007	-0.0004	0.0726	-0.0519	-0.0050	0.0044	0.0000	
Flung 0 12kV	0.0002	-0.0212	-0.0033	0.0003	0.0008	0.0000	-0.0212	-0.0004	0.0000	0.0000	0.0000	-0.0256	-0.0008	0.0000	0.0000	0.0000	-0.0411	-0.0014	0.0000	0.0000	0.0000	-0.0569	-0.0014	0.0005	-0.0004	
Flynn 16kV	0.1117	-0.1053	-0.0723	0.0037	0.0051	0.0829	-0.1080	-0.0699	0.0047	-0.0002	0.1514	-0.1072	-0.0685	0.0055	-0.0052	0.0281	-0.1243	-0.0704	0.0011	0.0000	0.0595	-0.1378	-0.0660	0.0074	-0.0004	
Flywheel 16kV	0.0389	-0.0286	-0.0203	0.0020	0.0000	0.0089	-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	
Fogcutter 12kV	0.0045	-0.0723	-0.0113	0.0128	0.0000	0.0033	-0.0713	-0.0066	0.0143	0.0000	0.0061	-0.0668	-0.0025	0.0095	0.0000	0.0070	-0.0800	-0.0060	-0.0190	0.0000	0.0148	-0.1061	-0.0061	0.0178	0.0000	
Fogg 12kV	0.4042	-0.0561	-0.0182	0.0020	0.0096	0.0180	-0.0530	-0.0132	0.0022	-0.0043	0.0328	-0.0487	-0.0090	0.0014	0.0019	0.0378	-0.0601	-0.0126	-0.0018	-0.0009	0.0798	-0.0701	-0.0126	0.0030	-0.0022	
Folger 12kV	0.0300	-0.0370	-0.0271	0.0008	0.0021	0.0223	-0.0396	-0.0250	0.0009	-0.0009	0.0406	-0.0414	-0.0233	0.0008	-0.0008	0.0467	-0.0522	-0.0248	0.0003	-0.0009	0.0987	-0.0647	-0.0035	0.0015	-0.0022	
Fonda 12kV	0.0000	-0.0666	-0.0218	0.0001	0.0000	0.0000	-0.0666	-0.0218	0.0000	0.0000	0.0000	-0.0666	-0.0218	0.0000	0.0000	0.0000	-0.0666	-0.0218	0.0000	0.0000	0.0000	-0.0666	-0.0218	0.0000	0.0000	
Fonri 33kV	0.0035	0.0000	0.0000	0.0004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0047	0.0000	0.0000	0.0004	0.0000	0.0054	0.0000	0.0000	0.0000	0.0000	0.0115	0.0000	0.0000	0.0000	0.0000	
Football 12kV	0.0089	-0.0035	-0.0050	0.0002	-0.0039	0.0066	-0.0038	-0.0051	0.0002	-0.0011	0.0120	-0.0041	-0.0052	0.0003	0.0001	0.0138	-0.0043	-0.0051	0.0007	0.0000	0.0292	-0.0046	-0.0048	0.0005	0.0000	
Foot 12kV	0.0194	-0.0502	-0.0225	0.0110	0.0010	0.0144	-0.0508	-0.0196	0.0124	-0.0005	0.0263	-0.0567	-0.0171	0.0088	-0.0005	0.0303	-0.0753	-0.0193	-0.0000	-0.0004	0.0640	-0.0908	-0.0184	0.0192	-0.0009	
Foothill 12kV	0.0531	-0.0503	-0.0218	0.0032	0.0013	0.0432	-0.0503	-0.0177	0.0039	0.0002	0.0865	-0.0489	-0.0142	0.0034	-0.0020	0.0973	-0.0644	-0.0175	0.0014	-0.0009	0.2053	-0.0801	-0.0167	0.0062	-0.0004	
Forage 12kV	0.0216	-0.0186	-0.0134	0.0020	0.0005	0.0160	-0.0200	-0.0131	0.0023	0.0004	0.0293	-0.0299	-0.0130	0.0015	-0.0005	0.0336	-0.0229	-0.0134	-0.0019	0.0000	0.0711	-0.0250	-0.0127	0.0031	-0.0004	
Forbes 12kV	0.0714	-0.0872	-0.0289	0.0071	0.0072	0.0530	-0.0765	-0.0254	0.0081	-0.0003	0.0968	-0.0745	-0.0219	0.0057	-0.0011	0.1112	-0.0937	-0.0250	-0.0006	0.0022	0.2351	-0.1862	-0.0246	0.0124	-0.0018	
Forbid 16kV	0.0398	-0.0678	-0.0719	0.0009	0.0154	0.0296	-0.0776	-0.0698	0.0010	-0.0038	0.0540	-0.0859	-0.0689	0.0014	-0.0010	0.0621	-0.1095	-0.0710	0.0003	-0.0004	0.1312	-0.1369	-0.0662	0.0018	-0.0004	
Force 12kV	0.0160	-0.0966	-0.0217	0.0026	0.0003	0.0119	-0.0856	-0.0163	0.0030	-0.0026	0.0107	-0.0711	-0.0118	0.0019	0.0010	0.0250	-0.0799	-0.0160	-0.0025	-0.0018	0.0528	-0.0027	-0.0158	0.0040	-0.0009	
Ford 12kV	0.0150	-0.0034	-0.0060	0.0006	0.0000	0.0011	-0.0039	-0.0062	0.0008	0.0000	0.0203	-0.0042	-0.0064	0.0011	0.0000	0.0234	-0.0044	-0.0064	0.0018	0.0000	0.0494	-0.0046	-0.0059	0.0017	0.0000	
Forest 12kV	0.0453	-0.0100	-0.0133	0.0003	0.0000	0.0336	-0.0110	-0.0135	0.0003	0.0000	0.0064	-0.0119	-0.0137	0.0005	0.0000	0.0706	-0.0127	-0.0137	0.0008	0.0000	0.1493	-0.0136	-0.0127	0.0007	0.0000	
Forint 12kV	0.0488	-0.0433	-0.0180	0.0083	0.0001	0.0362	-0.0443	-0.0112	0.0101	-0.0014	0.0661	-0.0441	-0.0093	0.0088	-0.0013	0.0760	-0.0628	-0.0105	0.0036	-0.0044	0.1607	-0.0848	-0.0104	0.0162	-0.0022	
Fornosa 16kV	0.0811	-0.0209	-0.0339	0.0022	0.0043	0.0602	-0.0225	-0.0297	0.0038	0.0013	0.1099	-0.0235	-0.0265	0.0010	-0.0004	0.1264	-0.0267	-0.0300	0.0007	0.0000	0.2672	-0.0300	-0.0281	0.0044	0.0000	
Fortress 12kV	0.0286	-0.1402	-0.0169	0.0110	0.0012	0.0212	-0.1179	-0.0114	0.0123	-0.0011	0.0388	-0.0951	-0.0066	0.0080	-0.0031	0.0446	-0.1095	-0.0109	-0.0103	-0.0013	0.0942	-0.1010	-0.0107	0.0167	-0.0048	
Fountain 4.16kV	0.0000	-0.0028	-0.0027	0.0019	0.0000	0.0000	-0.0029	-0.0018	0.0058	0.0000	0.0000	-0.0030	-0.0011	0.0044	0.0000	0.0000	-0.0036	-0.0018	0.0126	0.0000	0.0000	-0.0041	-0.0017	0.0080	0.0000	
Fox 4.16kV	0.0005	-0.0139	-0.0051	0.0057	0.0000	0.0004	-0.0133	-0.0032	0.0064	0.0000	0.0007	-0.0118	-0.0016	0.0045	0.0000	0.0008	-0.0139	-0.0030	-0.0104	0.0000	0.0017	-0.0146	-0.0030	0.0075	0.0000	
Foglove 12kV	0.0056	-0.0596	-0.0343	0.0022	0.0073	0.0041	-0.0616	-0.0306	0.0027	-0.0019	0.0076	-0.0622	-0.0276	0.0037	-0.0001	0.0087	-0.0780	-0.0301	0.0088	-0.0013	0.0184	-0.0946	-0.0288	0.0064	-0.0022	
Foyt 12kV	0.0037	-0.0342	-0.0257	0.0014	0.0015	0.0027	-0.0342	-0.0237	0.0017	-0.0007	0.0050	-0.0346	-0.0223	0.0015	0.0000	0.0057	-0.0400	-0.0239	0.0006	0.0000	0.0000	0.0121	-0.0451	-0.0225	0.0027	-0.0004
Frame 4.16kV	0.0000	-0.0244	-0.0062	0.0002	0.0000	0.0000	-0.0244	-0.0062	0.0000	0.0000	0.0000	-0.0244	-0.0062	0.0000	0.0000	0.0000										

Facility	2018				2019				2020				2021				2022								
	se Demand (MW)	PV (MW) ¹⁸	EE (MW) ¹⁸	EV (MW) ¹⁸	LMDR (MW) ¹⁸	se Demand (MW)	PV (MW) ¹⁹	EE (MW) ¹⁹	EV (MW) ¹⁹	LMDR (MW) ¹⁹	se Demand (MW)	PV (MW) ²⁰	EE (MW) ²⁰	EV (MW) ²⁰	LMDR (MW) ²⁰	se Demand (MW)	PV (MW) ²¹	EE (MW) ²¹	EV (MW) ²¹	LMDR (MW) ²¹	se Demand (MW)	PV (MW) ²²	EE (MW) ²²	EV (MW) ²²	LMDR (MW) ²²
Grif 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	-0.0754	-0.0640	0.0002	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
Grandad 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
Grande 12kV	0.0061	-0.0069	-0.0158	0.0025	-0.0000	-0.0018	-0.0045	-0.0021	0.0019	-0.0004	0.0083	-0.0541	-0.0089	0.0000	0.0000	0.0000	-0.0019	-0.0009	-0.0023	0.0000	0.0000	-0.0119	-0.0023	0.0014	-0.0024
Grandview 4.16kV	0.0021	-0.0333	-0.0055	0.0035	0.0000	0.0000	-0.0034	-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	0.0000	-0.0917	-0.0030	0.0054	-0.0018
Granite 12kV	0.0133	-0.0747	-0.0286	0.0009	0.0044	0.0107	-0.0716	-0.0236	0.0011	-0.0003	0.0195	-0.0669	-0.0195	0.0008	0.0001	0.0224	-0.0852	-0.0235	-0.0001	-0.0035	0.0474	-0.1011	-0.0223	0.0016	-0.0044
Granny Smith 12kV	0.0389	-0.0089	-0.0067	0.0131	0.0000	0.0288	-0.0088	-0.0054	0.0148	0.0003	0.0527	-0.0086	-0.0043	0.0096	-0.0001	0.0605	-0.0101	-0.0053	-0.0010	-0.0035	0.1280	-0.0124	-0.0001	0.0200	-0.0004
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	0.0001	0.0000
Grape 16kV	0.0417	-0.0433	-0.0586	0.0004	-0.0040	0.0310	-0.0448	-0.0593	0.0005	-0.0006	0.0565	-0.0523	-0.0609	0.0005	0.0000	0.0650	-0.0590	-0.0010	0.0001	0.0000	0.1374	-0.0655	-0.0563	0.0007	0.0000
Grapphof 12kV	0.0270	-0.0866	-0.0352	0.0038	0.0044	0.0280	-0.0912	-0.0323	0.0044	-0.0010	0.0366	-0.0903	-0.0302	0.0031	-0.0005	0.0420	-0.1159	-0.0320	-0.0013	0.0889	-0.1340	-0.0306	0.0067	-0.0004	
Gravine 12kV	0.0000	-0.0015	-0.0001	0.0000	0.0000	0.4790	-0.0011	-0.0001	0.0000	0.0000	0.0000	-0.0010	-0.0011	0.0000	0.0000	0.0000	-0.0010	-0.0001	0.0000	0.0000	0.0000	-0.0008	-0.0001	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	-0.0101	0.0007	0.0000
Grasshopper 12kV	0.0005	-0.0041	-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	-0.1291	-0.0100	-0.0009	-0.0040	0.0148	-0.1670	-0.0099	0.0177	-0.0027
Gravel 12kV	0.0148	-0.1557	-0.1167	0.0019	0.0044	0.0080	-0.1713	-0.1101	0.0023	-0.0018	0.0146	-0.1826	-0.1046	0.0020	0.0003	0.0168	-0.2132	-0.1064	-0.0009	-0.0004	0.0355	-0.2468	-0.1030	0.0037	-0.0013
Graves 4.16kV	0.0028	-0.0119	-0.0025	0.0034	0.0003	0.0021	-0.0121	-0.0017	0.0039	-0.0001	0.0039	-0.0113	-0.0011	0.0027	0.0001	0.0044	-0.0142	-0.0017	-0.0003	-0.0004	0.0094	-0.0158	-0.0016	0.0059	0.0000
Graveyard 16kV	0.0219	-0.0296	-0.0340	0.0067	0.0000	0.0163	-0.0225	-0.0140	0.0076	0.0000	0.0297	-0.0386	-0.0121	0.0053	0.0000	0.0341	-0.0464	-0.0122	-0.0000	0.0000	0.0721	-0.0598	-0.0132	0.0088	0.0000
Graydon 16kV	0.0365	-0.0813	-0.0272	0.0141	0.0000	0.0000	0.0271	-0.0826	0.0199	0.0160	0.0495	-0.0823	-0.0129	0.0110	0.0000	0.0567	-0.1139	-0.0189	-0.0000	0.0000	0.1198	-0.1466	-0.0183	0.0185	0.0000
Graydon 4.16kV	0.0076	-0.0315	-0.0096	0.0019	0.0014	0.0056	-0.0364	-0.0085	0.0023	-0.0011	0.0103	-0.0410	-0.0077	0.0020	-0.0022	0.0000	-0.0633	-0.0086	0.0008	-0.0009	0.0000	-0.0886	-0.0081	0.0037	-0.0013
Grazide 12kV	0.0238	-0.0688	-0.0449	0.0013	0.0000	0.0176	-0.0728	-0.0412	0.0005	0.0000	0.0322	-0.0753	-0.0382	0.0022	0.0000	0.0370	-0.0782	-0.0403	0.0036	0.0000	0.0782	-0.1120	-0.0387	0.0033	0.0000
Greasewood 12kV	0.0177	-0.0841	-0.0202	0.0006	0.0018	0.0132	-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	-0.0013	0.0584	-0.0680	-0.0155	0.0011	-0.0013
Great Salt 12kV	0.0540	-0.0600	-0.1060	0.0006	0.0039	0.0401	-0.0611	-0.1088	0.0007	-0.0002	0.0731	-0.0583	-0.1129	0.0006	0.0003	0.0841	-0.0721	-0.1126	0.0003	0.0000	0.1777	-0.0811	-0.1034	0.0012	0.0000
Green 12kV	0.5520	-0.0288	-0.0126	0.0012	0.0000	0.0534	-0.0318	-0.0122	0.0015	0.0000	0.0975	-0.0340	-0.0138	0.0011	0.0000	0.1121	-0.0059	-0.0122	-0.0009	0.0000	0.2370	-0.0382	-0.0122	0.0020	0.0000
Green Acres 12kV	0.0000	-0.0007	-0.0000	0.0000	0.0000	-0.0340	-0.0000	-0.0000	0.0000	0.0000	0.0416	-0.0721	-0.0273	0.0007	-0.0010	0.0479	-0.0956	-0.0305	-0.0000	0.0000	0.0000	-0.1305	-0.0285	0.0000	0.0000
Green Bear 2.4kV	0.0000	-0.0007	-0.0021	0.0008	0.0000	0.0000	-0.0000	-0.0014	0.0009	0.0000	0.0000	-0.0009	-0.0008	0.0006	0.0000	0.0000	-0.0009	-0.0013	-0.0012	0.0000	0.0000	-0.0010	-0.0123	0.0011	0.0000
Green River 12kV	0.0096	-0.1500	-0.0208	0.0106	-0.0003	0.0071	-0.1462	-0.0151	0.0120	-0.0009	0.0130	-0.1354	-0.0102	0.0078	-0.0018	0.0149	-0.1756	-0.0147	-0.0100	-0.0004	0.0315	-0.2056	-0.0142	0.0162	-0.0013
Green Tree 12kV	0.0326	-0.0951	-0.0232	0.0005	0.0027	0.0000	-0.0382	-0.0227	0.0007	-0.0006	0.0435	-0.0300	-0.0227	0.0006	-0.0005	0.0435	-0.0483	-0.0234	-0.0000	0.0000	0.0978	-0.0548	-0.0216	0.0011	0.0000
Green Valley 4.16kV	0.0000	-0.0407	-0.0033	0.0018	0.0000	0.0000	-0.0368	-0.0022	0.0020	0.0000	0.0000	-0.0314	-0.0013	0.0013	0.0000	0.0000	-0.0382	-0.0021	-0.0027	0.0000	0.0000	-0.0420	-0.0020	0.0025	0.0000
Greenbay 12kV	0.0000	-0.0351	-0.0200	0.0148	0.0000	0.0000	-0.0359	-0.0136	0.0182	0.0000	0.0000	-0.0359	-0.0081	0.0135	0.0000	0.0000	-0.0476	-0.0130	-0.0111	0.0000	0.0000	-0.0599	-0.0127	0.0241	0.0000
Greenhouse 16kV	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	0.0000
Greenwell 33kV	0.0000	-0.0145	-0.0089	0.0009	0.0000	0.0000	-0.0163	-0.0087	0.0011	0.0000	0.0000	-0.0177	-0.0084	0.0008	0.0000	0.0000	-0.0184	-0.0092	-0.0007	0.0000	0.0000	-0.0194	-0.0081	0.0015	0.0000
Greer 12kV	0.0255	-0.0024	-0.0047	0.0005	0.0000	0.0189	-0.0026	-0.0037	0.0005	0.0000	0.0345	-0.0028	-0.0029	0.0003	0.0000	0.0397	-0.0031	-0.0037	-0.0000	0.0000	0.0839	-0.0033	-0.0035	0.0006	0.0000
Gregg 16kV	0.0365	-0.0602	-0.0290	0.0084	0.0062	0.0271	-0.0629	-0.0239	0.0095	-0.0019	0.0495	-0.0638	-0.0197	0.0067	-0.0012	0.0567	-0.0890	-0.0238	-0.0008	-0.0013	0.1198	-0.1166	-0.0225	0.0147	-0.0027
Gregory 12kV	0.0077	-0.0350	-0.0214	0.0018	0.0028	0.0057	-0.0324	-0.0220	0.0020	-0.0007	0.0105	-0.0294	-0.0228	0.0013	-0.0009	0.0120	-0.0357	-0.0228	-0.0017	-0.0022	0.0254	-0.0408	-0.0209	0.0027	-0.0027
Grenade 12kV	0.0166	-0.0203	-0.0303	0.0038	-0.0010	0.0123	-0.0130	-0.0257	0.0043	-0.0036	0.0225	-0.0184	-0.0221	0.0030	-0.0024	0.0259	-0.0191	-0.0258	-0.0003	-0.0044	0.0547	-0.0195	-0.0243	0.0066	0.0000
Greta 12kV	0.0059	-0.0329	-0.0494	0.0015	-0.0103	0.0044	-0.0362	-0.0500	0.0018	-0.0007	0.0080	-0.0387	-0.0512	0.0021	0.0000	0.0092	-0.0419	-0.0514	-0.0060	-0.0004	0.0195	-0.0457	-0.0474	0.0044	0.0000
Grevelia 4.16kV	0.0000	-0.0179	-0.0050	0.0025	0.0020	0.0000	-0.0137	-0.0039	0.0029	-0.0005	0.0000	-0.0211	-0.0030	0.0020	-0.0002	0.0000	-0.0316	-0.0030	-0.0002	0.0000	0.0000	-0.0434	-0.0037	0.0044	-0.0027
Grey 12kV	0.0132	-0.0616	-0.0167	0.0065	0.0006	0.0098	-0.0601	-0.0115	0.0076	-0.0008	0.0179	-0.0570	-0.0070	0.0047	-0.0006	0.0206	-0.0770	-0.0111	-0.0061	-0.0044	0.0436	-0.0961	-0.0108	0.0098	-0.0009
Greyhound 12kV	0.0051	-0.0601	-0.0215	0.0191	0.0001	0.0038	-0.0675	-0.0147	0.0023	-0.0089	0.0069	-0.0723	-0.0089	0.0140	-0.0124	0.0079	-0.1069	-0.0141	-0.0180	-0.0031	0.0168	-0.0319	-0.0138	0.0292	-0.0022
GRhartman 16kV	0.0691	-0.0323	-0.0460	0.0009	-0.0117	0.0691	-0.0360	-0.0465	0.0011	0.0000	0.0691	-0.0300	-0.0474	0.0013	-0.0001	0.0691	-0.0409	-0.0471	0.0003	0.0000	0.0691	-0.0434	-0.0439	0.0017	-0.0004
Gridiron 12kV	0.0089	-0.0571	-0.0497	0.0014	0.0100	0.0066	-0.0551	-0.0477	0.0017	-0.0010	0.0120	-0.0526	-0.0466	0.0015	-0.0019	0.0138	-0.0586	-0.0488	0.0006	0.0000	0.0292	-0.0636	-0.0452	0.0027	-0.0022
Gridley 12kV	0.0458	-0.0311	-0.0386	0.0029	0.0045	0.0125	-0.0344	-0.0397	0.0033	-0.0007	0.0228	-0.0364	-0.0405	0.0023	0.0001	0.0262									

Facility	2018					2019					2020					2021					2022				
	se Demand (MW)	PV (MW) ²¹	EE (MW) ¹³	EV (MW) ¹³	LMDR (MW) ¹³	se Demand (MW)	PV (MW) ²¹	EE (MW) ¹³	EV (MW) ¹³	LMDR (MW) ¹³	se Demand (MW)	PV (MW) ²¹	EE (MW) ¹³	EV (MW) ¹³	LMDR (MW) ¹³	se Demand (MW)	PV (MW) ²¹	EE (MW) ¹³	EV (MW) ¹³	LMDR (MW) ¹³	se Demand (MW)	PV (MW) ²¹	EE (MW) ¹³	EV (MW) ¹³	LMDR (MW) ¹³
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	-0.0013	0.0292	-0.0693	-0.0207	0.0046	-0.0013
Halfbut 12kV	0.2483	-0.475	-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	0.0000
Hallsdale 16kV	0.0131	-0.1001	-0.0468	0.0002	0.0015	0.0097	-0.1160	-0.0418	0.0033	0.0014	0.0178	-0.1272	-0.0378	0.0029	-0.0029	0.0204	-0.1297	-0.0414	0.0012	-0.0013	0.0432	-0.2317	-0.0394	0.0053	-0.0009
Halter 16kV	0.0134	-0.0311	-0.0336	0.0039	0.0009	0.0099	-0.0099	-0.0373	0.0011	0.0000	0.0181	-0.0384	-0.0323	0.0016	0.0000	0.0099	-0.0466	-0.0332	0.0009	0.0000	0.0439	-0.0544	-0.0329	0.0029	0.0000
Halfmark 12kV	4.0511	-0.0235	-0.0280	0.0000	0.0000	0.0231	-0.0280	-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	0.0000
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
Halsey 12kV	0.0111	-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	-0.0012	-0.0004	0.0366	-0.0552	-0.0304	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	0.0009	0.0000
Hambone 12kV	0.0397	-0.0000	-0.0005	0.0003	0.0001	0.0000	0.0295	-0.0000	0.0000	0.0000	0.0538	-0.0006	-0.0006	0.0002	-0.0002	0.0619	-0.0007	-0.0005	0.0000	0.0000	0.1308	-0.0008	-0.0005	0.0005	0.0000
Hammell 16kV	0.0000	-0.0309	-0.0285	0.0006	0.0028	0.0000	0.0000	-0.0368	0.0070	-0.0003	0.0000	-0.0418	-0.0360	0.0006	-0.0006	0.0000	-0.0598	-0.0275	0.0003	-0.0004	0.0000	-0.0608	-0.0256	0.0011	0.0000
Hammerhead 12kV	0.0617	-0.1348	-0.0125	0.0033	0.0000	0.0458	-0.1303	-0.0077	0.0035	0.0008	0.0836	-0.1224	-0.0036	0.0025	-0.0013	0.0961	-0.1680	-0.0072	-0.0003	-0.0013	0.1777	-0.2117	-0.0072	0.0054	-0.0018
Hammock 33kV	0.9931	-0.0212	-0.0384	0.0016	0.0003	0.1623	-0.0238	-0.0994	-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
Hampshire 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	-0.0230	-0.0288	0.0000	0.1598	-0.1561	-0.0222	0.0269	0.0000
Hampton 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	-0.0002	-0.0004	0.0162	-0.0032	-0.0031	0.0051	-0.0013
Han Solo 12kV	0.0160	-0.0679	-0.0478	0.0026	0.0000	0.0119	-0.0683	-0.0469	0.0029	0.0000	0.0217	-0.0666	-0.0467	0.0019	0.0000	0.0250	-0.0706	-0.0482	-0.0039	0.0000	0.0528	-0.0727	-0.0445	0.0036	0.0000
Hancock 12kV	0.0206	-0.0165	-0.0202	0.0007	0.0040	0.0153	-0.0185	-0.0200	0.0008	0.0008	0.0379	-0.0200	-0.0308	0.0010	0.0004	0.0321	-0.0208	-0.0206	0.0002	0.0000	0.0678	-0.0220	-0.0194	0.0013	0.0000
Hancock 12kV	0.0217	-0.0676	-0.0751	0.0009	-0.0129	0.0401	-0.0720	-0.0748	0.0011	-0.0016	0.0285	-0.0748	-0.0750	0.0013	0.0000	0.0336	-0.0894	-0.0766	0.0000	0.0000	0.0710	-0.1030	-0.0707	0.0026	0.0000
Handy 12kV	0.0045	-0.1269	-0.0198	0.0078	-0.0002	0.0034	-0.1145	-0.0132	0.0008	-0.0007	0.0061	-0.0987	-0.0076	0.0062	-0.0003	0.0071	-0.1197	-0.0126	-0.0007	-0.0009	0.0149	-0.1338	-0.0124	0.0136	-0.0035
Hanes 12kV	0.0756	-0.0022	-0.0011	0.0000	0.0000	0.0513	-0.0025	-0.0010	0.0000	0.0000	0.0439	-0.0027	-0.0010	0.0000	0.0505	0.0000	-0.0029	-0.0010	0.0002	0.0000	0.0711	-0.0031	-0.0010	0.0029	0.0000
Hanger 12kV	0.2699	-0.0395	-0.0425	0.0009	0.0000	0.0025	-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	0.0020	0.0000
Hanks 12kV	0.0037	-0.0572	-0.0548	0.0012	0.0014	0.0127	-0.0627	-0.0538	0.0016	-0.0006	0.0050	-0.0669	-0.0532	0.0019	-0.0011	0.0057	-0.0711	-0.0533	0.0004	0.0000	0.0121	-0.0760	-0.0509	0.0025	0.0000
Harbor 4.16kV	0.0000	-0.0252	-0.0067	0.0033	0.0001	0.0000	-0.0262	-0.0039	0.0037	-0.0005	0.0000	-0.0266	-0.0015	0.0024	-0.0031	0.0000	0.0097	-0.0036	-0.0031	-0.0018	0.0000	-0.0551	-0.0037	0.0050	-0.0018
Harco 4.16kV	0.0000	-0.0355	-0.0544	0.0047	-0.0004	0.0000	-0.0355	-0.0033	0.0053	0.0004	0.0000	-0.0343	-0.0015	0.0004	0.0000	0.0000	-0.0000	-0.0000	-0.0000	-0.0000	0.0000	-0.0000	-0.0000	0.0000	0.0000
Hardhat 12kV	0.0298	-0.0204	-0.0244	0.0009	0.0016	0.0221	-0.0225	-0.0248	0.0010	0.0000	0.0404	-0.0237	-0.0255	0.0007	-0.0002	0.0464	-0.0266	-0.0037	-0.0001	-0.0004	0.0982	-0.0289	-0.0236	0.0016	0.0000
Hardrock 12kV	0.0432	-0.0118	-0.0199	0.0000	0.0000	0.0320	-0.0132	-0.0195	0.0000	0.0000	0.0585	-0.0143	-0.0194	0.0000	0.0000	0.0673	-0.0149	-0.0199	0.0000	0.0000	0.1422	-0.0157	-0.0185	0.0000	0.0000
Hardwick 4.16kV	0.0076	-0.0195	-0.0067	0.0012	0.0000	0.0056	-0.0196	-0.0041	0.0015	0.0000	0.0103	-0.0191	-0.0191	0.0011	0.0000	0.0000	-0.0268	-0.0039	0.0000	0.0000	0.0000	-0.0348	-0.0038	0.0020	0.0000
Hardy 4.16kV	0.0038	-0.0152	-0.0053	0.0007	0.0000	0.0028	-0.0181	-0.0035	0.0009	0.0000	0.0051	-0.0200	-0.0020	0.0006	0.0000	0.0059	-0.0306	-0.0033	-0.0005	0.0000	0.0125	-0.0404	-0.0033	0.0012	0.0000
Harkness 4.16kV	0.0063	-0.0404	-0.0083	0.0088	0.0000	0.0047	-0.0423	-0.0047	0.0108	0.0000	0.0086	-0.0422	-0.0016	0.0080	0.0000	0.0098	-0.0604	-0.0043	-0.0066	0.0000	0.0208	-0.0777	-0.0044	0.0143	0.0000
Harlem Springs 12kV	0.0000	-0.1030	-0.0441	0.0024	0.0042	0.0065	-0.1162	-0.0380	0.0027	0.0005	0.0000	-0.1245	-0.0330	0.0017	0.0017	0.0137	-0.1754	-0.0380	-0.0023	-0.0018	0.0239	-0.2260	-0.0361	0.0036	-0.0035
Harlow 12kV	0.0412	-0.0410	-0.0337	0.0036	0.0077	0.0305	-0.0440	-0.0326	0.0040	-0.0013	0.0558	-0.0462	-0.0319	0.0026	0.0001	0.4204	-0.0528	-0.0326	-0.0034	0.0000	0.8896	-0.0601	-0.0307	0.0055	0.0000
Harmonica 12kV	0.0221	-0.0287	-0.0199	0.0106	0.0000	0.0164	-0.0306	-0.0182	0.0010	0.0000	0.0299	-0.0317	-0.0169	0.0083	0.0000	0.0344	-0.0374	-0.0185	-0.0044	0.0000	0.0726	-0.0435	-0.0172	0.0139	0.0000
Harmony 12kV	0.1087	-0.0287	-0.0125	0.0015	0.0000	0.0534	-0.0312	-0.0118	0.0018	0.0000	0.0975	-0.0330	-0.0113	0.0013	0.0000	0.1121	-0.0351	-0.0118	-0.0011	0.0000	0.2370	-0.0375	-0.0118	0.0024	0.0000
Harnage 12kV	0.0040	-0.1377	-0.0271	0.0051	-0.0001	0.0029	-0.1219	-0.0200	0.0057	-0.0013	0.0054	-0.0306	-0.0141	0.0037	-0.0010	0.0062	-0.1225	-0.0196	-0.0048	-0.0009	0.0131	-0.1321	-0.0188	0.0077	-0.0022
Harper 4.16kV	0.0030	-0.0227	-0.0066	0.0045	0.0000	0.0023	-0.0251	-0.0038	0.0056	0.0000	0.0041	-0.0254	-0.0014	0.0041	0.0000	0.0000	0.0356	-0.0035	-0.0034	0.0000	0.0000	-0.0431	-0.0035	0.0073	0.0000
Harriet 4.16kV	0.0000	0.0000	0.0000	0.0078	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
Harriet 12kV	0.8479	-0.0507	-0.0454	0.0008	0.0053	0.1105	-0.0412	-0.0009	-0.0001	0.0110	-0.0540	-0.0376	0.0013	-0.0002	0.0176	-0.0575	-0.0398	0.0030	-0.0004	0.2698	-0.0609	-0.0386	0.0022	0.0000	0.0000
Harrier 12kV	0.0571	-0.0864	-0.0264	0.0012	0.0011	0.0424	-0.0805	-0.0211	0.0014	-0.0003	0.0774	-0.0733	-0.0167	0.0009	0.0000	0.0890	-0.0918	-0.0210	-0.0011	-0.0004	0.1880	-0.1076	-0.1939	0.0019	-0.0027
Harrison 16kV	0.0467	-0.0508	-0.0516	0.0020	-0.0027	0.0347	-0.0587	-0.0507	0.0023	-0.0001	0.0634	-0.0633	-0.0506	0.0016	-0.0004	0.0728	-0.0836	-0.0517	-0.0002	0.0000	0.1539	-0.1038	-0.0480	0.0036	-0.0013
Hart 12kV	0.0285	-0.0804	-0.0229	0.0025	0.0000	0.0211	-0.0686	-0.0172	0.0028	0.0000	0.0386	-0.0557	-0.0124	0.0018	0.0000	0.0443	-0.0595	-0.0168	-0.0036	0.0000	0.0937	-0.0574	-0.0163	0.0034	0.0000
Hartle 4.16kV	0.0024	-0.0047	-0.0027	0.0004	0.0000	0.0018	-0.0058	-0.0015	0.0004	0.0000	0.0032	-0.0066	-0.0003	0.0000	0.0037	-0.0107	-0.0014	-0.0003	0.0000	0.0078	-0.0151	-0.0014	0.0006	0.0000	
Hartman 4.16kV	0.0000	-0.0161	-0.0203	0.0031	0.0000	0.0000	-0.0154	-0.0020	0.0000	0.0000	0.0000	-0.0143	-0.0009	0.0023	0.0000	0.0000									

Facility	2018					2019					2020					2021					2022				
	se Demand (MW)	PV (MW) ²¹	EE (MW) ²¹	EV (MW) ²¹	LMDR (MW) ²¹	se Demand (MW)	PV (MW) ²¹	EE (MW) ²¹	EV (MW) ²¹	LMDR (MW) ²¹	se Demand (MW)	PV (MW) ²¹	EE (MW) ²¹	EV (MW) ²¹	LMDR (MW) ²¹	se Demand (MW)	PV (MW) ²¹	EE (MW) ²¹	EV (MW) ²¹	LMDR (MW) ²¹	se Demand (MW)	PV (MW) ²¹	EE (MW) ²¹	EV (MW) ²¹	LMDR (MW) ²¹
Hemacinto 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	-0.1660	0.0007	-0.0001	0.0859	-0.0852	-0.0214	0.0003	-0.0035	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	-0.0064	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	-0.0001	0.0000	0.0000	0.0000	0.0001	0.0001	0.0000
Hercules 12kV	0.0251	-0.1268	-0.0348	0.0023	-0.0031	0.0186	-0.1254	-0.0281	0.0005	-0.0005	0.0340	-0.1018	-0.0238	0.0016	-0.0035	0.0391	-0.1363	-0.0281	-0.0048	0.0025	-0.1768	-0.0436	-0.0267	0.0023	-0.0003
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	0.0404	-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	0.0244	-0.0652	-0.0305	0.0029	0.0012	0.0774	-0.0629	-0.0275	0.0020	-0.0027	0.0890	-0.0788	-0.0308	-0.0000	-0.0013	0.1880	-0.0937	-0.0289	0.0044	-0.0004
Herring 12kV	0.0557	-0.0559	-0.0229	0.0024	-0.0002	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	-0.1010	0.0003	-0.0011	0.0137	-0.1259	-0.0542	0.0001	-0.0004	0.0290	-0.1556	-0.0505	0.0006	-0.0022
Hesson 12kV	0.0000	-0.0037	-0.0015	0.0005	0.0000	0.0000	-0.0034	-0.0009	0.0005	0.0000	0.0000	-0.0030	-0.0003	0.0000	0.0000	-0.0040	-0.0008	-0.0007	0.0000	0.0000	-0.0049	-0.0008	0.0000	0.0000	0.0000
Howitt 12kV	0.0315	-0.0347	-0.0168	0.0005	0.0019	0.0234	-0.0356	-0.0160	0.0005	-0.0004	0.0427	-0.0343	-0.0155	0.0005	0.0000	0.0491	-0.0421	-0.0163	0.0002	0.0000	0.1038	-0.0469	-0.0151	0.0009	0.0000
Husnut 12kV	0.0200	-0.0491	-0.0400	0.0038	0.0131	0.0160	-0.0372	-0.0390	0.0046	-0.0012	0.0160	-0.0386	-0.0387	0.0040	-0.0010	0.0080	-0.0448	-0.0400	0.0016	-0.0000	0.0080	-0.0510	-0.0370	0.0074	-0.0009
Hibiscus 4.16kV	0.0030	-0.0106	-0.0036	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	-0.0163	-0.0024	0.0004	0.0000
Hickory 4.16kV	0.0076	-0.0094	-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	0.0000	0.0249	-0.0207	-0.0018	0.0051	0.0000
Hicks 4.16kV	0.0076	-0.0229	-0.0088	0.0009	0.0024	0.0056	-0.0275	-0.0074	0.0011	0.0000	0.0103	-0.0314	-0.0062	0.0007	-0.0004	0.0118	-0.0485	-0.0074	-0.0009	0.0000	0.0249	-0.0670	-0.0070	0.0014	0.0000
Hidley 4.16kV	0.0049	-0.0086	-0.0027	0.0040	-0.0004	0.0036	-0.0087	-0.0000	0.0000	0.0067	0.0000	-0.0067	-0.0009	0.0000	0.0077	-0.0180	-0.0016	-0.0038	0.0000	0.0162	-0.0170	-0.0016	0.0061	0.0000	
Hidley 12kV	0.0104	-0.0020	-0.0011	0.0000	0.0000	0.0007	-0.0023	-0.0001	0.0001	0.0000	0.0141	-0.0025	-0.0012	0.0000	0.0000	0.0163	-0.0026	-0.0012	0.0000	0.0343	-0.0027	-0.0011	0.0000	0.0000	
Higby 12kV	0.0300	-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	0.0031	0.0467	-0.0524	-0.0110	-0.0049	-0.0018	0.0986	-0.0614	-0.0109	0.0080	-0.0004
High 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	0.0000	0.0000	-0.0166	-0.0059	0.0000	0.0000	0.0000	-0.0199	-0.0055	0.0001	-0.0004
High School 2.4kV	0.0000	-0.0025	-0.0017	0.0007	0.0000	0.0000	-0.0025	-0.0012	0.0007	0.0000	0.0000	-0.0025	-0.0008	0.0005	0.0000	0.0000	-0.0031	-0.0012	-0.0012	0.0000	0.0000	-0.0033	-0.0012	0.0009	0.0000
Highball 12kV	0.0042	-0.1471	-0.0465	0.0021	0.0027	0.0031	-0.1556	-0.0424	0.0024	-0.0009	0.0056	-0.1558	-0.0394	0.0015	-0.0008	0.0065	-0.2058	-0.0430	-0.0020	-0.0018	0.0137	-0.2437	-0.0401	0.0032	-0.0035
Highcliff 16kV	0.0398	-0.0454	-0.0417	0.0047	0.0059	0.0296	-0.0491	-0.0384	0.0053	-0.0021	0.0540	-0.0518	-0.0360	0.0034	-0.0002	0.0621	-0.0651	-0.0391	-0.0044	-0.0004	0.1312	-0.0810	-0.0364	0.0071	-0.0009
Highnoon 12kV	0.0000	-0.0086	-0.0020	0.0018	0.0021	0.0112	-0.0093	-0.0070	0.0167	0.0000	0.0004	-0.0087	-0.0018	0.0108	0.0124	0.0194	-0.0452	-0.0317	-0.0018	0.0000	0.0000	-0.0418	-0.0018	0.0035	0.0000
Highway 16kV	0.0136	-0.1459	-0.0368	0.0200	0.0000	0.0384	-0.1384	-0.0230	0.0246	0.0000	0.0278	-0.0289	-0.0111	0.0183	0.0000	0.0776	-0.1690	-0.0216	-0.0150	0.0000	0.0446	-0.2062	-0.0215	0.0326	0.0000
Highway Six 12kV	0.0000	-0.1074	-0.0151	0.0050	0.0000	0.0000	-0.1118	-0.0119	0.0056	0.0000	0.0000	-0.1072	-0.0092	0.0037	0.0000	0.0000	-0.1389	-0.0117	-0.0075	0.0000	0.0000	-0.1637	-0.0113	0.0070	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	0.0000	0.0367	-0.0670	-0.0101	-0.0011	-0.0013	0.0776	-0.0888	-0.0098	0.0203	-0.0013	
Hildreth 4.8kV	0.0000	-0.1018	-0.0027	0.0003	0.0000	0.0000	-0.0097	-0.0016	0.0004	0.0000	0.0000	-0.0085	-0.0007	0.0003	0.0000	0.0000	-0.0107	-0.0015	-0.0002	0.0000	0.0000	-0.0124	-0.0015	0.0005	0.0000
Hill 4.16kV	0.0136	-0.0367	-0.0063	0.0120	0.0000	0.0110	-0.0385	-0.0039	0.0134	0.0000	0.0216	-0.0385	-0.0019	0.0089	0.0000	0.0248	-0.0546	-0.0037	-0.0178	0.0000	0.0524	-0.0697	-0.0037	0.0167	0.0000
Hillcrest 4.16kV	0.0000	-0.0271	-0.0035	0.0025	0.0000	0.0000	-0.0279	-0.0003	0.0000	0.0000	0.0000	-0.0266	-0.0007	0.0000	0.0019	0.0000	-0.0357	-0.0018	-0.0037	0.0000	0.0000	-0.0418	-0.0018	0.0035	0.0000
Hillcrest 16kV	0.0027	-0.0996	-0.0741	0.0088	0.0020	0.0360	-0.0984	-0.0688	0.0049	-0.0018	0.0657	-0.0949	-0.0651	0.0070	-0.0011	0.0756	-0.1123	-0.0701	-0.0008	-0.0053	0.1588	-0.1283	-0.0652	0.0153	-0.0027
Hillfield 16kV	0.0130	-0.1231	-0.0268	0.0041	0.0005	0.0097	-0.1127	-0.0212	0.0047	-0.0016	0.0176	-0.0968	-0.0167	0.0033	0.0010	0.0203	-0.1128	-0.0211	-0.0004	-0.0004	0.0428	-0.1000	-0.0200	0.0072	-0.0031
Hills 12kV	0.0071	-0.0005	-0.0002	0.0000	0.0000	0.0053	-0.0004	-0.0002	0.0000	0.0000	0.0096	-0.0004	-0.0001	0.0000	0.0000	0.0105	-0.0005	-0.0002	0.0000	0.0000	0.0222	-0.0005	-0.0002	0.0000	0.0000
Hillside 16kV	0.0184	-0.0189	-0.0122	0.0053	0.0000	0.0136	-0.0211	-0.0115	0.0060	0.0000	0.0249	-0.0222	-0.0111	0.0039	0.0000	0.0286	-0.0076	-0.0118	-0.0079	0.0000	0.0605	-0.0319	-0.0109	0.0074	0.0000
Hillview 4.16kV	0.0000	-0.0160	-0.0059	0.0006	0.0000	0.0000	-0.0198	-0.0034	0.0008	0.0000	0.0000	-0.0231	-0.0012	0.0006	0.0000	0.0000	-0.0384	-0.0031	-0.0005	0.0000	0.0000	-0.0561	-0.0032	0.0010	0.0000
Hilton 16kV	0.0090	-0.0321	-0.0440	0.0048	0.0009	0.0067	-0.0342	-0.0054	0.0000	0.0000	0.0122	-0.0354	-0.0060	0.0030	0.0000	0.0140	-0.0452	-0.0317	-0.0004	0.0004	0.0295	-0.0540	-0.0323	0.0084	-0.0009
Himalayas 12kV	0.0526	-0.0398	-0.0178	0.0028	0.0006	0.0435	-0.0142	-0.0032	0.0004	0.0000	0.0712	-0.0131	-0.0113	0.0021	0.0000	0.0819	-0.0347	-0.0141	-0.0027	0.0000	0.1558	-0.0667	-0.0135	0.0043	-0.0004
Himo 3kV	0.0760	-0.0010	-0.0005	0.0005	0.0000	0.0064	-0.0011	-0.0005	0.0008	0.0000	0.0100	-0.0012	-0.0005	0.0000	0.0000	0.1184	-0.0012	-0.0005	0.0024	0.0000	0.2503	-0.0013	-0.0005	0.0017	0.0000
Hindry 4.16kV	0.0053	-0.0107	-0.0027	0.0018	0.0007	0.0039	-0.0117	-0.0018	0.0002	-0.0007	0.0071	-0.0017	-0.0011	0.0015	0.0000	0.0082	-0.0159	-0.0018	-0.0002	-0.0009	0.0173	-0.0188	-0.0017	0.0032	0.0000
Hines 12kV	3.0000	-0.1048	-0.0102	0.0085	0.0000	1.9000	-0.1099	-0.0075	0.0097	0.0000	2.1000	-0.1061	-0.0052	0.0067	0.0000	1.5000	-0.1389	-0.0073	-0.0156	0.0000	1.5000	-0.1580	-0.0070	0.0112	0.0000
Hinshaw 16kV	0.0117	-0.0320	-0.0090	0.0060	0.0005	0.0020	-0.0325	-0.0064	0.0067	-0.0005	0.0158	-0.0265	-0.0042	0.0004	0.0001	0.0182	-0.0450	-0.0062	-0.0058	-0.0009	0.0385	-0.0588	-0.0061	0.0091	-0.0013
Hirsch 12kV	0.0086	-0.0997	-0.0407	0.0098	0.0048	0.0084	-0.1009	-0.0353	0.0111	-0.0010	0.0116	-0.1002	-0.0310	0.0078	-0.0039	0.0134	-0.1344	-0.0356</							

Facility	2018				2019				2020				2021				2022									
	se Demand (MW)	PV (MW) ¹⁸	EE (MW) ¹⁸	EV (MW) ¹⁸	LMDR (MW) ¹⁸	se Demand (MW)	PV (MW) ¹⁹	EE (MW) ¹⁹	EV (MW) ¹⁹	LMDR (MW) ¹⁹	se Demand (MW)	PV (MW) ²⁰	EE (MW) ²⁰	EV (MW) ²⁰	LMDR (MW) ²⁰	se Demand (MW)	PV (MW) ²¹	EE (MW) ²¹	EV (MW) ²¹	LMDR (MW) ²¹	se Demand (MW)	PV (MW) ²²	EE (MW) ²²	EV (MW) ²²	LMDR (MW) ²²	
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	0.0007	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	-0.0013	0.0643	-0.0697	-0.0149	0.0070	-0.0182	
Howey 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	
Humboldt 12kV	0.0116	-0.0027	-0.0037	0.0003	0.0000	0.0000	-0.0027	-0.0006	-0.0007	0.0000	0.0000	-0.0027	-0.0008	-0.0010	0.0000	0.0000	-0.0028	-0.0013	0.0000	0.0000	0.0000	-0.0028	-0.0013	0.0000	-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	-0.0048	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	-0.0228	0.0024	0.0000	
Hubble 12kV	0.0362	-0.0603	-0.0184	0.0000	0.0000	0.0362	-0.0546	-0.0126	0.0000	0.0000	0.0362	-0.0478	-0.0076	0.0000	0.0000	0.0362	-0.0595	-0.0121	0.0000	0.0000	0.0362	-0.0678	-0.0118	0.0000	0.0000	
Huckleberry 12kV	0.0273	-0.0083	-0.0047	0.0052	0.0000	0.0203	-0.0075	-0.0048	0.0059	0.0000	0.0370	-0.0066	-0.0050	0.0038	-0.0006	0.0425	-0.0081	-0.0050	-0.0049	0.0000	0.0000	-0.0099	-0.0046	0.0000	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	-0.0076	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	-0.0008	0.0256	-0.0833	-0.0247	0.0018	-0.0018	0.0295	-0.1062	-0.0294	0.0008	-0.0031	0.0623	-0.1269	-0.0278	0.0034	-0.0027	
Hughes Lake 12kV	0.0110	-0.0591	-0.0168	0.0018	0.0006	0.0081	-0.0591	-0.0134	0.0027	0.0026	0.0149	-0.0571	-0.0106	0.0108	0.0000	0.0171	-0.0767	-0.0133	-0.0139	-0.0004	0.0361	-0.0963	-0.0127	0.0226	-0.0035	
Hugo 12kV	0.0154	-0.0081	0.0000	0.0008	0.0000	0.0114	-0.0087	0.0000	0.0015	0.0000	0.0208	-0.0092	0.0000	0.0023	0.0000	0.0239	-0.0098	0.0000	0.0013	0.0000	0.0506	-0.0104	0.0000	0.0020	0.0000	
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	0.1166	0.0000	0.0000	0.0025	0.0000	
Humber 12kV	0.0146	-0.1035	-0.0266	0.0032	0.0015	0.0109	-0.0953	-0.0207	0.0036	0.0003	0.0198	-0.0855	-0.0157	0.0026	-0.0020	0.0228	-0.1075	-0.0204	-0.0003	-0.0013	0.0482	-0.1256	-0.0195	0.0056	-0.0004	
Humble 12kV	0.2771	-0.0570	-0.0669	0.0018	0.0000	0.0000	-0.0669	-0.0235	0.0121	0.0000	0.0000	-0.0634	-0.0396	0.0060	0.0000	0.0000	-0.0423	-0.0160	-0.0000	0.0000	0.0000	-0.0895	-0.0150	0.0000	0.0000	
Humphrey 4.16kV	0.0011	-0.0042	-0.0061	0.0006	0.0000	0.0000	-0.0061	-0.0037	0.0007	0.0000	0.0000	-0.0037	-0.0007	0.0000	0.0000	0.0016	-0.0000	0.0000	0.0005	0.0000	0.0035	-0.0034	0.0010	0.0000	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	-0.0012	0.0102	-0.0894	-0.0365	0.0016	-0.0009	0.0215	-0.0991	-0.0341	0.0070	-0.0009	
Hunter 12kV	0.0146	-0.0441	-0.0441	0.0009	0.0071	0.0109	-0.0357	-0.0448	0.0011	0.0000	0.0198	-0.0368	-0.0461	0.0010	-0.0010	0.0228	-0.0397	-0.0463	0.0004	0.0000	0.0482	-0.0621	-0.0426	0.0018	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	0.0011	0.0000	0.0286	-0.0182	-0.0052	-0.0021	0.0000	0.0605	-0.0237	-0.0050	0.0020	0.0000	
Huron 12kV	1.9040	-0.1007	-0.0220	0.0015	0.0033	0.0401	-0.0802	-0.0170	0.0017	-0.0015	0.0319	-0.0610	-0.0129	0.0011	-0.0011	0.0841	-0.0636	-0.0168	-0.0014	-0.0022	0.2077	-0.0611	-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	0.0080	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	-0.0385	-0.0349	0.0024	0.0000	0.0000	-0.0385	-0.0287	0.0000	0.0000	0.0000	-0.0385	-0.0287	0.0000	0.0000	0.0000	-0.0385	-0.0287	0.0000	0.0000	0.0000	-0.0385	-0.0287	0.0000	0.0000	
Hurricane 16kV	0.0343	-0.0698	-0.0624	0.0022	-0.0022	0.0255	-0.0594	-0.0028	-0.0032	-0.0045	0.0065	-0.0756	-0.0575	0.0033	-0.0002	0.0535	-0.0962	-0.0597	0.0007	-0.0004	0.1130	-0.1130	-0.0044	0.0044	-0.0013	
Huskie 12kV	0.0051	-0.0557	-0.0388	0.0203	0.0034	0.0038	-0.0637	-0.0326	0.0029	-0.0033	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	0.0033	0.0000	0.0220	-0.0563	-0.0040	-0.0066	0.0000	0.0465	-0.0710	-0.0040	0.0062	0.0000	
Hutt 12kV	0.0000	-0.0002	-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	-0.0001	0.0000	0.0000	0.0000	-0.0004	-0.0001	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	0.0086	0.0000	0.0036	-0.0253	-0.0029	0.0249	0.0000	0.0000	-0.0312	-0.0028	0.0157	0.0000	
Hydrant 12kV	0.0363	-0.0479	-0.0577	0.0002	0.0000	0.0079	-0.0479	-0.0577	0.0003	0.0016	0.0091	-0.0561	-0.0580	0.0000	0.0013	0.0565	-0.0605	-0.0573	0.0010	0.0000	0.1194	-0.0639	-0.0543	0.0007	0.0000	
Ibes 12kV	0.0299	-0.0640	-0.0446	0.0032	0.0058	0.0222	-0.0678	-0.0415	0.0039	-0.0012	0.0405	-0.0701	-0.0392	0.0034	-0.0067	0.0465	-0.0880	-0.0414	0.0014	-0.0009	0.0984	-0.1077	-0.0391	0.0062	-0.0035	
Ice House 2.4kV	0.0022	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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Ida 12kV	0.0443	-0.1087	-0.0340	0.0090	0.0000	0.0329	-0.1006	-0.0274	0.0101	0.0000	0.0600	-0.0918	-0.0218	0.0180	0.0066	0.0000	0.0690	-0.1092	-0.0268	-0.0133	0.0000	0.1458	-0.1124	-0.0259	0.0125	0.0000
Idaho 12kV	0.0084	-0.0700	-0.0286	0.0031	0.0020	0.0060	-0.0708	-0.0233	0.0037	-0.0003	0.0113	-0.0698	-0.0189	0.0032	-0.0092	0.0130	-0.0934	-0.0231	0.0013	-0.0022	0.0275	-0.1279	-0.0220	0.0059	-0.0009	
Ike 12kV	0.0166	-0.0202	-0.0209	0.0025	0.0000	0.0123	-0.0206	-0.0191	0.0028	0.0000	0.0235	-0.0210	-0.0179	0.0018	0.0000	0.0259	-0.0221	-0.0195	-0.0037	0.0000	0.0547	-0.0232	-0.0182	0.0034	0.0000	
Illinois 4.16kV	0.0000	-0.0423	-0.0079	0.0038	0.0000	0.0000	-0.0423	-0.0050	0.0037	0.0000	0.0000	-0.0393	-0.0035	0.0000	0.0000	0.0000	-0.0519	-0.0047	-0.0029	0.0000	0.0000	-0.0519	-0.0047	0.0000	0.0000	
Imbach 12kV	0.0038	-0.3899	-0.0134	0.0017	0.0008	0.0038	-0.0082	-0.0019	-0.0025	0.0013	0.0051	-0.0359	-0.0037	0.0013	0.0004	0.0059	-0.0489	-0.0076	-0.0166	-0.0013	0.0124	-0.0613	-0.0076	0.0026	-0.0182	
Inch 12kV	0.0043	-0.0856	-0.0257	0.0026	0.0027	0.0032	-0.0736	-0.0210	0.0029	-0.0035	0.0059	-0.0597	-0.0172	0.0020	-0.0017	0.0067	-0.0652	-0.0210	-0.0002	-0.0058	0.0142	-0.0646	-0.0198	0.0045	-0.0027	
Inch 12kV	0.0108	-0.0477	-0.0416	0.0025	0.0022	0.0080	-0.0446	-0.0359	0.0028	-0.0006	0.0146	-0.0409	-0.0313	0.0020	-0.0016	0.0168	-0.0451	-0.0361	-0.0002	-0.0022	0.0355	-0.0479	-0.0139	0.0043	0.0000	
Independence 12kV	0.0357	-0.0831	-0.0171	0.0104	-0.0023	0.0245	-0.0813	-0.0105	0.0118	-0.0017	0.0446	-0.0774	-0.0049	0.0083	-0.0013	0.0513	-0.1070	-0.0099	-0.0009	-0.0018	0.1085	-0.1364	-0.0098	0.0181	-0.0040	
Indiana 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	0.0000	
Indianapolis 12kV	0.0048	-0.0996	-0.0360	0.0102	0.0000	0.0000	-0.0996	-0.0360	0.0102	0.0000	0.0065	-0.1037	-0.0256	0.0075	0.0000	0.007										

Facility	2018					2019					2020					2021					2022					
	se Demand (MW)	PV (MW) ²¹	EE (MW) ²¹	EV (MW) ²¹	LMDR (MW) ²¹	se Demand (MW)	PV (MW) ²¹	EE (MW) ²¹	EV (MW) ²¹	LMDR (MW) ²¹	se Demand (MW)	PV (MW) ²¹	EE (MW) ²¹	EV (MW) ²¹	LMDR (MW) ²¹	se Demand (MW)	PV (MW) ²¹	EE (MW) ²¹	EV (MW) ²¹	LMDR (MW) ²¹	se Demand (MW)	PV (MW) ²¹	EE (MW) ²¹	EV (MW) ²¹	LMDR (MW) ²¹	
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	
Janvris 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	-0.1532	-0.0133	0.0009	0.0000	0.1385	-0.0169	-0.0113	0.0010	0.0000	0.1050	-0.0182	-0.0134	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	-0.0133	-0.0177	0.0067	0.0000	0.0019	-0.0130	-0.0098	0.0000	0.0000	0.0038	-0.0453	-0.0088	0.0009	0.0000	0.0039	-0.0141	-0.0073	-0.0068	0.0000	0.0125	-0.0271	-0.0073	0.0017	0.0000	
Java 4.16kV	0.0038	-0.0069	-0.0037	0.0008	0.0000	0.0008	-0.0061	-0.0031	0.0009	0.0000	0.0051	-0.0068	-0.0027	0.0006	0.0000	0.0009	-0.0120	-0.0014	-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	-0.0021	-0.0013	-0.0004	0.0000	-0.0204	-0.0021	0.0001	-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	-0.0018	0.0436	-0.0833	-0.0235	0.0078	-0.0018	
Jayhawk 12kV	0.0091	-0.0468	-0.0284	0.0001	0.0019	0.0067	-0.0651	-0.0262	0.0002	-0.0006	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	
JBSherman 16kV	0.0073	-0.1226	-0.0286	0.0040	0.0002	0.0059	-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	-0.0018	0.0188	-0.1569	-0.0201	0.0070	-0.0031	
Jedi 12kV	0.0160	-0.1053	-0.0529	0.0015	0.0001	0.0114	-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	0.0062	-0.0159	-0.0115	0.0043	0.0000	0.0046	-0.0157	-0.0075	0.0049	0.0000	0.0083	-0.0151	-0.0040	0.0032	0.0000	0.0096	-0.0192	-0.0071	-0.0065	0.0000	0.0202	-0.0209	-0.0070	0.0060	0.0000	
Jeffrey 12kV	0.4965	-0.0596	-0.0061	0.0044	0.0025	0.0104	-0.0642	-0.0054	0.0054	-0.0012	0.0190	-0.0672	-0.0441	0.0074	-0.0007	0.0219	-0.0788	-0.0047	0.0177	0.0000	0.0462	-0.0881	-0.0439	0.0129	-0.0031	
Jellystone 12kV	0.0154	-0.1691	-0.0197	0.0039	0.0000	0.0114	-0.1611	-0.0120	0.0043	0.0000	0.0209	-0.1427	-0.0753	0.0000	0.0240	-0.1770	-0.0112	0.0057	0.0000	0.0507	0.0102	-0.1112	-0.0112	0.0054	0.0000	
Jenkins 16kV	0.0375	-0.0720	-0.0716	0.0014	-0.0011	0.0278	-0.0776	-0.0687	0.0000	-0.0026	0.0508	-0.0816	-0.0671	0.0021	-0.0048	0.0584	-0.1002	-0.0699	0.0004	-0.0031	0.1234	-0.1218	-0.0651	0.0028	-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	0.0329	-0.0689	-0.0429	0.0055	-0.0020	0.0378	-0.0851	-0.0454	-0.0006	-0.0009	0.0800	-0.0997	-0.0421	0.0121	0.0000	
Jeppon 12kV	0.0442	-0.0603	-0.0745	0.0035	0.0020	0.0328	-0.0657	-0.0749	0.0042	0.0015	0.0598	-0.0697	-0.0762	0.0036	-0.0102	0.0688	-0.0778	-0.0767	-0.0015	-0.0009	0.1454	-0.0870	-0.0740	0.0067	0.0000	
Jerome 12kV	0.0048	-0.0537	-0.0476	0.0049	0.0147	0.0036	-0.0572	-0.0450	0.0055	-0.0040	0.0065	-0.0588	-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	0.0141	-0.0596	-0.0061	0.0016	0.0000	0.0097	-0.0546	-0.0037	0.0018	-0.0006	0.0062	-0.0516	-0.0016	0.0011	-0.0026	2.6910	-0.0316	-0.0011	-0.0015	-0.0031	0.1462	-0.0344	-0.0044	0.0014	-0.0022	
Jersusalem 12kV	0.0592	-0.0795	-0.0184	0.0037	0.0025	0.0368	-0.0134	-0.0042	0.0000	0.0000	0.0805	-0.0541	-0.0092	0.0027	-0.0012	0.0922	-0.0605	-0.1030	-0.0035	-0.0004	0.1948	-0.0822	-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	-0.0059	0.0000	0.1570	-0.0800	-0.0099	0.0065	0.0000	
Jessie 4.16kV	0.0000	-0.0091	-0.0006	0.0000	0.0000	0.0000	-0.0099	-0.0004	0.0000	0.0000	0.0000	-0.0000	-0.0000	0.0000	0.0000	0.0000	-0.0135	-0.0004	0.0000	0.0000	0.0000	-0.0166	-0.0004	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	-0.0018	0.0015	-0.0417	-0.0011	0.0003	0.0000	0.0017	-0.0485	-0.0029	0.0000	-0.0009	0.0036	-0.0495	-0.0029	0.0008	-0.0013	
Jet Sk 12kV	0.0094	-0.0075	-0.0129	0.0000	0.0004	0.0070	-0.0084	-0.0124	0.0000	0.0065	0.0128	-0.0091	-0.0122	0.0000	-0.0095	0.0147	-0.0095	-0.0128	0.0000	-0.0035	0.0310	-0.0100	-0.0118	0.0000	0.0000	
Jimmy 12kV	0.0141	-0.1551	-0.1143	0.0045	0.0000	0.0075	-0.1112	-0.0051	-0.0006	0.0000	0.0191	-0.1779	-0.1101	0.0035	-0.0092	0.7420	-0.2221	-0.1141	-0.0004	-0.0013	0.7665	-0.2566	-0.1055	0.0079	-0.0018	
Jims 12kV	0.0745	-0.0235	-0.0096	0.0010	-0.0001	0.0553	-0.0214	-0.0069	0.0011	-0.0007	0.4627	-0.0189	-0.0046	0.0008	-0.0006	0.0928	-0.0234	-0.0067	-0.0001	0.0000	0.1962	-0.0268	-0.0065	0.0017	-0.0013	
Joquin 12kV	0.0080	-0.0426	-0.0722	0.0010	0.0000	0.0059	-0.0476	-0.0739	0.0012	0.0000	0.0108	-0.0517	-0.0765	0.0017	0.0000	0.0060	-0.0538	-0.0763	-0.0027	0.0000	0.0127	-0.0027	-0.0052	0.0025	0.0000	
Job 2.4kV	0.0000	-0.0002	-0.0010	0.0019	0.0000	0.0000	-0.0002	-0.0006	0.0001	0.0000	0.0000	-0.0002	-0.0003	0.0003	0.0014	0.0000	0.0000	-0.0003	-0.0006	-0.0018	0.0000	0.0000	-0.0003	-0.0006	0.0029	0.0000
Joburg 2.4kV	0.0000	-0.0006	-0.0018	0.0000	0.0004	0.0000	-0.0007	-0.0014	0.0021	0.0000	0.0000	-0.0007	-0.0012	0.0000	-0.0002	0.0000	-0.0008	-0.0014	0.0000	0.0000	0.0000	-0.0008	-0.0013	0.0001	-0.0004	
Johanna 4.16kV	0.0000	-0.0165	-0.0052	0.0018	0.0011	0.0000	-0.0194	-0.0042	0.0021	-0.0017	0.0000	-0.0214	-0.0033	0.0015	-0.0005	0.0000	-0.0324	-0.0042	-0.0002	0.0000	0.0000	-0.0429	-0.0039	0.0032	-0.0009	
Johnboy 16kV	0.0000	-0.1135	-0.0395	0.0089	0.0037	0.0596	-0.0354	-0.0101	-0.0005	0.0088	-0.1107	-0.0318	0.0063	-0.0008	0.0000	0.1251	-0.1319	-0.0338	-0.0004	0.0000	0.2645	-0.1472	-0.0330	0.0136	0.0013	
Johnsendale 4.16kV	0.0000	-0.0003	-0.0008	0.0000	0.0000	0.0000	-0.0004	-0.0006	0.0000	0.0000	0.0000	-0.0000	-0.0004	0.0000	0.0000	0.0000	-0.0004	-0.0006	0.0000	0.0000	0.0000	-0.0005	-0.0006	0.0000	0.0000	
Jojo 12kV	0.0000	-0.0172	-0.0091	0.0015	0.0035	0.0000	-0.0181	-0.0086	0.0017	0.0001	0.0000	-0.0178	-0.0084	0.0012	-0.0011	0.0000	-0.0218	-0.0088	-0.0001	0.0000	0.0000	-0.0242	-0.0082	0.0026	-0.0004	
Jonagold 12kV	0.1619	-0.0817	-0.0142	0.0008	0.0000	0.1201	-0.0734	-0.0106	0.0010	-0.0005	0.2194	-0.0618	-0.0075	0.0009	-0.0004	0.6005	-0.0729	-0.0103	0.0004	-0.0018	0.1280	-0.0778	-0.0099	0.0016	-0.0004	
Jones 4.16kV	0.0047	-0.0274	-0.0064	0.0070	0.0000	0.0035	-0.0256	-0.0039	0.0086	0.0000	0.0064	-0.0218	-0.0018	0.0064	0.0000	0.0073	-0.0253	-0.0037	-0.0052	0.0000	0.0155	-0.0260	-0.0037	0.0114	0.0000	
Joplin 12kV	0.0048	-0.0853	-0.0303	0.0094	0.0000	0.0006	-0.0879	-0.0240	0.0015	0.0000	0.0065	-0.0873	-0.0187	0.0070	0.0000	0.0075	-0.1169	-0.0237	-0.1040	0.0000	0.0158	-0.1443	-0.0226	0.0131	0.0000	
Jordan 12kV	0.0324	-0.0508	-0.0067	0.0142	0.0010	0.0240	-0.0057	-0.0050	0.0180	0.0021	0.0498	-0.0055	-0.0036	0.0104	0.00											

Facility	2018					2019					2020					2021					2022				
	se Demand (MW)	PV (MW) ²¹	EE (MW) ²¹	EV (MW) ²¹	LMDR (MW) ²¹	se Demand (MW)	PV (MW) ²¹	EE (MW) ²¹	EV (MW) ²¹	LMDR (MW) ²¹	se Demand (MW)	PV (MW) ²¹	EE (MW) ²¹	EV (MW) ²¹	LMDR (MW) ²¹	se Demand (MW)	PV (MW) ²¹	EE (MW) ²¹	EV (MW) ²¹	LMDR (MW) ²¹	se Demand (MW)	PV (MW) ²¹	EE (MW) ²¹	EV (MW) ²¹	LMDR (MW) ²¹
Kelber 12kV	0.0540	-0.4543	-0.0427	0.0005	0.0000	0.0401	-0.0518	-0.0420	0.0006	0.0000	0.0731	-0.0571	-0.0417	0.0009	0.0000	0.0841	-0.0698	-0.0419	0.0004	0.0000	0.1777	-0.0837	-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	-0.0021	0.0150	-0.1328	-0.0041	0.0035	0.0000	0.0173	-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	0.0000	0.0000	-0.0005	-0.0012	0.0000	-0.0004	0.0000	-0.0006	-0.0012	0.0000	-0.0013
Kelvin 12kV	0.0146	-0.1746	-0.0314	0.0082	0.0021	0.0134	-0.1046	-0.0261	0.0031	-0.0019	0.0344	-0.0748	-0.0211	0.0020	0.0000	0.0131	-0.1263	-0.0077	-0.0031	-0.0013	0.0138	-0.0248	-0.0013	0.0019	-0.0019
Kelvin 12kV	0.0240	-0.0430	-0.0276	0.0034	0.0000	0.0178	-0.0448	-0.0233	0.0038	0.0000	0.0325	-0.0427	-0.1799	0.0025	0.0000	0.0047	-0.0503	-0.0221	-0.0051	0.0000	0.0099	-0.0542	-0.0210	0.0048	0.0000
Kelvinator 16kV	0.0149	-0.0978	-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	-0.0133
Kenbo 4.16kV	0.0045	-0.1026	-0.0431	0.0007	0.0001	0.0034	-0.1050	-0.0919	0.0009	0.0001	0.0062	-0.1061	-0.0008	0.0010	0.0000	0.0071	-0.1258	-0.0749	0.0000	-0.0004	0.0150	-0.0349	-0.0018	0.0014	-0.0004
Kendell 4.16kV	0.0027	-0.1117	-0.0039	0.0002	0.0013	0.0020	-0.0138	-0.0030	0.0003	-0.0004	0.0037	-0.1013	-0.0023	0.0002	0.0002	0.0042	-0.0232	-0.0030	0.0000	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	-0.0008	0.0019	0.0000	0.0012	-0.0380	-0.0020	-0.0002	0.0000	0.0025	-0.0498	-0.0020	0.0041	-0.0004
Kenmore 33kV	0.7052	-0.0002	0.0000	0.0014	0.0000	0.0262	-0.0002	0.0000	0.0016	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
Kenno 1.16kV	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	0.0039	-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
Kenok 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	-0.0027	0.0002	0.0000	0.0249	-0.0340	-0.0026	0.0010	-0.0009
Kentucky 12kV	0.0052	-0.0428	-0.0314	0.0032	0.0001	0.0038	-0.0433	-0.0296	0.0036	0.0001	0.0070	-0.0429	-0.0285	0.0026	-0.0007	0.0081	-0.0253	-0.0302	-0.0003	-0.0004	0.0170	-0.0614	-0.0281	0.0056	-0.0018
Kenwood 12kV	0.0295	-0.3035	-0.0354	0.0003	0.0049	0.0219	-0.0334	-0.0339	0.0004	-0.0005	0.0399	-0.0357	-0.0330	0.0005	-0.0001	0.0459	-0.0446	-0.0347	0.0012	0.0000	0.0970	-0.0554	-0.0322	0.0008	-0.0004
Kenworth 12kV	0.0272	-1.1306	-0.1342	0.0000	0.0000	1.7502	-0.1342	-0.0078	0.0027	0.0000	0.0369	-0.0029	-0.1294	0.0023	0.0000	0.0424	-0.1671	-0.0079	-0.0059	0.0000	0.0897	-0.1924	-0.0168	0.0042	0.0000
Kenyon 12kV	0.0132	-0.0510	-0.0272	0.0061	0.0000	0.0098	-0.0223	-0.0068	0.0023	0.0000	0.0179	-0.0473	-0.0184	0.0045	0.0000	0.0206	-0.0578	-0.0223	-0.0090	0.0000	0.0436	-0.0671	-0.0211	0.0085	0.0000
Kermit 12kV	0.0058	-0.1026	-0.0215	0.0108	-0.0007	0.0045	-0.1030	-0.0144	0.0122	0.0003	0.0047	-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
Kern 12kV	0.0251	-0.0839	-0.0433	0.0008	0.0034	0.0186	-0.0848	-0.0397	0.0010	0.0005	0.0300	-0.0836	-0.0371	0.0008	-0.0031	0.0391	-0.1073	-0.0404	0.0003	-0.0004	0.0825	-0.1311	-0.0377	0.0015	-0.0027
Kernan 16kV	0.0359	-0.5800	-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	-0.0779	0.0012	0.0000	0.1183	-0.0824	-0.0729	0.0011	0.0000
Kerry 12kV	0.0102	-0.1910	-0.0064	0.0002	0.0001	0.0075	-0.1712	-0.0044	0.0003	-0.0007	0.0138	-0.0151	-0.0007	0.0003	-0.0002	0.0158	-0.1930	-0.0042	0.0001	0.0000	0.0334	-0.0220	-0.0041	0.0004	-0.0004
Kessler 12kV	1.3432	-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	0.0001	0.0000	0.1422	-0.0649	-0.0763	0.0008	0.0000
Ketch 12kV	0.0085	-0.1068	-0.0754	0.0056	0.0000	0.0062	-0.1177	-0.0716	0.0071	-0.0008	0.0477	-0.1236	-0.0168	0.0085	-0.0000	0.0133	-0.1518	-0.0028	-0.0017	-0.0004	0.0171	-0.0709	-0.0281	0.0019	0.0000
Keweenaw 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
Keweenaw 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	0.0018	-0.0150	-0.0055	0.0005	0.0000	0.0037	-0.0198	-0.0051	0.0021	-0.0004
Keystone 4.16kV	0.0000	-0.3035	-0.1005	0.0034	0.0000	0.0000	-0.0318	-0.0062	0.0000	0.0000	0.0000	-0.0323	-0.0025	0.0031	0.0000	0.0000	-0.0480	-0.0057	0.0000	0.0000	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	-0.0002	-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	-0.2400	-0.0222	-0.0053	0.0000	0.0507	-0.2405	-0.0214	0.0050	0.0000
Kids 12kV	0.0324	-0.0129	-0.0181	0.0005	0.0000	0.0040	-0.0144	-0.0007	0.0000	0.0439	-0.0157	-0.0189	0.0019	0.0000	0.0095	0.0034	-0.0163	-0.0188	0.0010	0.0000	0.0172	-0.0172	-0.0071	0.0011	0.0000
Kilroy 16kV	0.0000	-0.0467	-0.0332	0.0048	0.0000	0.0000	-0.0503	-0.0314	0.0054	0.0000	0.0000	-0.0530	-0.0302	0.0038	0.0000	0.0000	-0.0615	-0.0321	-0.0088	0.0000	0.0000	-0.0712	-0.0298	0.0063	0.0000
Kilkenny 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
Kilcree 4.16kV	0.0038	-0.0245	-0.0082	0.0022	0.0000	0.0028	-0.0245	-0.0048	0.0025	0.0000	0.0051	-0.0239	-0.0018	0.0010	0.0000	0.0059	-0.0339	-0.0044	-0.0040	0.0000	0.0125	-0.0443	-0.0044	0.0029	0.0000
Kilroy 12kV	0.0203	-0.0817	-0.0346	0.0021	0.0071	0.0151	-0.0848	-0.0305	0.0025	0.0004	0.0267	-0.0824	-0.0273	0.0022	-0.0017	0.0317	-0.1017	-0.0307	0.0009	0.0000	0.0670	-0.1134	-0.0288	0.0040	-0.0004
Kills 12kV	0.1511	-0.0698	-0.0173	0.0065	0.0000	0.0721	-0.0648	-0.0111	0.0073	0.0000	0.1463	-0.0621	-0.0058	0.0048	0.0000	0.1682	-0.0814	-0.0105	-0.0097	0.0000	0.0465	-0.0985	-0.0105	0.0091	0.0000
Kimbrey 12kV	0.0022	-0.0111	-0.0056	0.0005	0.0000	0.0036	-0.0011	-0.0005	0.0006	0.0001	0.0039	-0.0010	-0.0004	0.0000	0.0004	0.0034	-0.0013	-0.0005	0.0000	0.0000	0.0000	-0.0016	-0.0004	0.0000	0.0000
Kimble 12kV	0.0419	-0.0841	-0.0238	0.0050	0.0007	0.0311	-0.0707	-0.0174	0.0056	0.0005	0.0568	-0.0628	-0.0120	0.0037	-0.0014	0.0653	-0.0616	-0.0170	-0.0047	-0.0013	0.1380	-0.0047	-0.0164	0.0076	-0.0022
King 16kV	0.0184	-0.1114	-0.0393	0.0356	0.0000	0.0036	-0.1210	-0.0325	0.0399	0.0000	0.0249	-0.1230	-0.0270	0.0263	0.0000	0.0286	-0.1619	-0.0325	-0.0529	0.0000	0.0605	-0.1919	-0.0307	0.0495	0.0000
Kingcobra 12kV	0.1295	-0.1185	-0.0153	0.0049	-0.0002	0.0141	-0.1021	-0.0131	0.0059	-0.0020	0.0131	-0.0830	-0.0079	0.0036	-0.0024	0.0841	-0.0947	-0.0110	-0.0046	-0.0004	0.0942	-0.0951	-0.0106	0.0075	-0.0018
Kinghurst 4.16kV	0.0000	-0.0161	-0.0040	0.0042	0.0001	0.0000	-0.0173	-0.0027	0.0048	0.0003	0.0000	-0.0182	-0.0013	-0.0002	0.0000	0.0000	-0.0273	-0.0025	-0.0040	-0.0013	0.0000	-0.0374	-0.0025	0.0065	0.0000
Kingsford 12kV	0.0471	-0.0746	-0.0369	0.0040	0.0015	0.0350	-0.0674	-0.0350	0.0046	-0.0012	0.0638	-0.0600	-0.0338	0.0030	0.0002	0.0734	-0.0629	-0.0357	-0.0038	0.0000	0.1551	-0.0670	-0.0322	0.0062	-0.0013
Kingsley 12kV	0.0268	-0.0863	-0.0365	0.0028	0.0000	0.0049	-0.0990	-0.0369	0.0016	-0.0010	0.0363	-0.0702	-0.0261	0.0075	-0.0022										

Facility	2018					2019					2020					2021					2022					
	se Demand (MW)	PV (MW) ²¹	EE (MW) ²¹	EV (MW) ²¹	LMDR (MW) ²¹	se Demand (MW)	PV (MW) ²¹	EE (MW) ²¹	EV (MW) ²¹	LMDR (MW) ²¹	se Demand (MW)	PV (MW) ²¹	EE (MW) ²¹	EV (MW) ²¹	LMDR (MW) ²¹	se Demand (MW)	PV (MW) ²¹	EE (MW) ²¹	EV (MW) ²¹	LMDR (MW) ²¹	se Demand (MW)	PV (MW) ²¹	EE (MW) ²¹	EV (MW) ²¹	LMDR (MW) ²¹	
La Porte 16kV	0.0365	-0.0855	-0.0397	0.0057	-0.0108	0.0271	-0.0880	-0.0336	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 Posada 4.16kV	0.0006	-0.0188	-0.0044	0.0014	0.0000	0.0005	-0.0019	-0.0031	0.0016	0.0000	0.0008	-0.0166	-0.0019	0.0011	0.0000	0.0010	-0.0019	-0.0030	0.0000	-0.0020	0.0020	-0.0265	-0.0029	0.0020	0.0000	
La Presa 4.16kV	0.0061	-0.0167	-0.0069	0.0028	0.0011	0.0045	-0.0136	-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	-0.0472	-0.0388	0.0013	0.0000	0.0141	-0.0487	-0.0290	0.0043	0.0000	0.0057	-0.0284	-0.0030	0.0001	0.0009	0.0000	0.0136	-0.0233	0.0000	0.0000	0.0223	-0.0275	0.0020	0.0000	0.0000	
La Rica 12kV	0.0108	-0.0118	-0.0108	0.0002	0.0000	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	0.0000	0.0355	-0.0157	-0.0098	0.0005	0.0000	
La Salle 12kV	0.4697	-0.0273	-0.0478	0.0011	0.0000	0.0384	-0.0305	-0.0491	0.0014	0.0000	0.0025	-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	-0.0231	-0.0107	0.0038	-0.0001	0.0431	-0.0274	-0.0113	-0.0044	0.0000	0.0911	-0.0048	-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	-0.0015	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	-0.0289	0.0017	0.0013	0.3364	-0.0863	-0.0266	0.0014	-0.0018	0.0431	-0.1063	-0.0293	0.0006	-0.0018	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	-0.0023	0.0063	0.0000	0.0478	-0.0112	-0.0044	-0.0051	0.0000	0.1011	-0.0223	-0.0044	0.0111	0.0000	
Ladifer 12kV	0.0363	-0.0149	-0.0171	0.0002	0.0062	0.0269	-0.0154	-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	0.1134	-0.0203	-0.0160	0.0005	0.0000	
Ladera 4.16kV	0.0039	-0.0413	-0.0042	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	-0.0027	-0.0022	0.0000	0.0127	-0.0028	-0.0026	0.0048	0.0000	
Lager 12kV	0.0108	-0.0194	-0.0207	0.0001	0.0042	0.0080	-0.0217	-0.0205	0.0002	-0.0012	0.0146	-0.0236	-0.0203	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	0.0000	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	0.0011	0.0000	
Laird 12kV	0.0264	-0.0943	-0.0486	0.0027	0.0064	0.0196	-0.0988	-0.0410	0.0033	-0.0015	0.0357	-0.1004	-0.0350	0.0029	-0.0012	0.0411	-0.1376	-0.0410	-0.0012	-0.0027	0.0869	-0.1787	-0.0387	0.0053	-0.0018	
Lake 4.16kV	0.0101	-0.0689	-0.0013	0.0051	0.0000	0.0075	-0.0689	-0.0008	0.0000	0.0000	0.0137	-0.0688	-0.0004	0.0000	0.0000	0.0157	-0.0096	-0.0008	0.0000	0.0333	-0.0217	-0.0068	0.0071	0.0000		
Lakeland 12kV	0.0107	-0.0502	-0.0210	0.0023	0.0000	0.0079	-0.0465	-0.0170	0.0026	-0.0031	0.0713	-0.0427	-0.0138	0.0017	-0.0018	0.0841	-0.0516	-0.0169	0.0000	0.0000	0.1134	-0.0203	-0.0160	0.0005	0.0000	
Lakers 12kV	0.0098	-0.0574	-0.0490	0.0065	0.0056	0.0072	-0.0605	-0.0456	0.0073	-0.0007	0.0132	-0.0618	-0.0434	0.0052	-0.0001	0.0152	-0.0768	-0.0465	-0.0006	-0.0022	0.0321	-0.0918	-0.0432	0.0113	-0.0004	
Lakota 12kV	0.3446	-0.1154	-0.0490	0.0020	0.0008	2.1000	-0.1068	-0.0410	0.0024	-0.0011	0.0235	-0.0948	-0.0346	0.0021	-0.0007	0.0270	-0.1145	-0.0411	0.0009	-0.0013	0.0571	-0.1299	-0.0387	0.0038	-0.0004	
Lamanda 12kV	0.0146	-0.0296	-0.0061	0.0058	0.0000	0.0108	-0.0310	-0.0037	0.0066	-0.0004	0.0198	-0.0310	-0.0016	0.0046	0.0000	0.0228	-0.0440	-0.0034	-0.0005	-0.0009	0.0481	-0.0564	-0.0035	0.0101	-0.0018	
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	-0.0000	-0.0018	0.1430	-0.1444	-0.0209	0.0033	-0.0044	
Landau 12kV	0.0335	-0.0330	-0.0217	0.0024	-0.0003	0.0289	-0.0286	-0.0158	0.0028	-0.0047	0.0419	-0.0246	-0.0109	0.0018	-0.0005	0.0482	-0.0282	-0.0154	-0.0023	-0.0071	0.0946	-0.0304	-0.0149	0.0037	-0.0004	
Landers 12kV	0.0154	-0.1136	-0.0131	0.0036	0.0000	0.0075	-0.1165	-0.0074	0.0040	0.0000	0.0483	-0.1140	-0.0044	0.0000	0.0000	0.0216	-0.0867	-0.0156	0.0000	0.0000	0.1136	-0.0067	-0.0068	0.0000	0.0000	
Landmark 12kV	0.0454	-0.0040	-0.0445	0.0021	0.0000	0.0347	-0.0536	-0.0439	0.0024	-0.0013	0.0619	-0.0552	-0.0440	0.0015	-0.0004	0.0708	-0.0689	-0.0452	-0.0020	-0.0004	0.1496	-0.0575	-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	0.0000	-0.0216	-0.0007	0.0000	0.0000	-0.0290	-0.0015	-0.0001	-0.0004	0.0000	-0.0339	-0.0015	0.0023	-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	-0.0313	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	0.0072	-0.0138	-0.0073	0.0007	0.0000	0.0497	-0.0146	-0.0058	0.0005	0.0000	0.0572	-0.0194	-0.0072	-0.0111	0.0000	0.1209	-0.0255	-0.0068	0.0008	0.0000	
Lara 12kV	0.0101	-0.0099	-0.0126	0.0005	0.0000	0.0075	-0.0111	-0.0005	0.0006	0.0000	0.0322	-0.0120	-0.0013	0.0000	0.0000	0.0336	-0.0125	-0.0012	-0.0004	0.0000	0.0332	-0.0132	-0.0068	0.0007	0.0000	
Laraps 12kV	0.0443	-0.1102	-0.0194	0.0074	-0.0008	0.0329	-0.0973	-0.0119	0.0084	-0.0004	0.0158	-0.0852	-0.0054	0.0059	-0.0020	0.0690	-0.1041	-0.0111	-0.0007	-0.0013	0.1458	-0.1187	-0.0111	0.0129	-0.0049	
Larabee 16kV	0.0011	-0.0381	-0.0639	0.0046	0.0040	0.0602	-0.0419	-0.0587	0.0000	0.0000	0.1099	-0.0449	-0.0578	0.0000	0.1264	-0.0511	-0.0598	0.0014	0.0000	0.2572	-0.0576	-0.0556	0.0092	-0.0004		
Larich 33kV	0.0035	-0.0589	-0.1070	0.0007	0.0000	0.0026	-0.0659	-0.1098	0.0009	0.0000	0.0047	-0.0716	-0.1140	0.0010	0.0000	0.0054	-0.0744	-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	0.0000	-0.0218	-0.0415	-0.0284	0.0008	0.0000	0.0147	-0.0525	-0.0290	0.0003	0.0000	0.0311	-0.0643	-0.0743	0.0009	0.0000
Lariat 12kV	0.0068	-0.0906	-0.0196	0.0026	0.0031	0.0050	-0.0824	-0.0153	0.0029	-0.0020	0.0091	-0.0728	-0.0137	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 24kV	0.0008	-0.1164	-0.0029	0.0015	0.0000	0.0006	-0.0139	-0.0018	0.0017	0.0000	0.0010	-0.0217	-0.0009	0.0011	0.0000	0.0012	-0.0346	-0.0017	-0.0014	0.0000	0.0000	0.0000	-0.0096	-0.0017	0.0000	
Larres 12kV	0.0109	-0.0836	-0.0216	0.0012	0.0000	0.0081	-0.0733	-0.0172	0.0014	0.0000	0.0148	-0.0604	-0.0136	0.0009	0.0000	0.0171	-0.0651	-0.0171	-0.0018	0.0000	0.0360	-0.0636	-0.1163	0.0017	0.0000	
Larry 12kV	0.0198	-0.0369	-0.0243	0.0028	0.0035	0.0147	-0.0382	-0.0214	0.0011	-0.0005	0.0268	-0.0385	-0.0191	0.0020	-0.0013	0.0308	-0.0495	-0.0216	-0.0026	-0.0004	0.0651	-0.0612	-0.0202	0.0043	0.0000	
Larthien 12kV	0.0040	-0.0697	-0.0243	0.0093	0.0000	0.0030	-0.0619	-0.0213	0.0014	0.0000	0.0054	-0.0538	-0.0190	0.0085	0.0000	0.0062	-0.0552	-0.0215	-0.0069	0.0000	0.0131	-0.0643	-0.0202	0.0151	0.0000	
Las Palmas 4.16kV	0.0038	-0.0023	-0.0045	0.0008	0.0000	0.0028	-0.0026	-0.0026	0.0009	0.0000	0.0051	-0.0021	-0.0009	0.0006	0.0000	0.0059	-0.0024	-0.0024	-0.0001	0.0000	0.0125	-0.0025	-0.0024	0.0013	0.0000	
Las Piedras 4.16kV	0.0096	-0.0124	-0.0020	0.0001	0.0000	0.0071	-0.0133	-0.0013	0.0002	0.0000	0.0130	-0.0131	-0.0007	0.0000	0.0000	0.0149	-0.0177	-0.0012	0.0000	0.0000	0.0000	-0.0207	-0.0012	0.0004	0.0000	
Las Tunas 4.16kV	0.0061	-0.0147	-0.0053	0.0025	0.0000	0.0046	-0.0163	-0.0040	0.0029	-0.0005	0.0082	-0.0174	-0.0030	0.0020	-0.0001	0.0094	-0.0255	-0.00								

Facility	2018					2019					2020					2021					2022					
	se Demand (MW)	PV (MW) ²¹	EE (MW) ²¹	EV (MW) ²¹	LMDR (MW) ²¹	se Demand (MW)	PV (MW) ²¹	EE (MW) ²¹	EV (MW) ²¹	LMDR (MW) ²¹	se Demand (MW)	PV (MW) ²¹	EE (MW) ²¹	EV (MW) ²¹	LMDR (MW) ²¹	se Demand (MW)	PV (MW) ²¹	EE (MW) ²¹	EV (MW) ²¹	LMDR (MW) ²¹	se Demand (MW)	PV (MW) ²¹	EE (MW) ²¹	EV (MW) ²¹	LMDR (MW) ²¹	
Lesser 16kV	0.8003	-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	
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	-0.0111	-0.0071	-0.0009	0.1955	-0.0839	-0.0709	0.0115	-0.0013	
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	
Leveche 12kV	0.0136	-0.1033	-0.0185	0.0009	0.0000	0.0138	-0.1035	-0.0141	0.0012	0.0000	0.0253	-0.0971	-0.0105	0.0015	0.0000	0.0389	-0.1239	-0.0049	0.0000	0.0000	0.0613	-0.1376	-0.0134	0.0028	0.0000	
Level 12kV	0.0270	-0.1104	-0.0280	0.0011	-0.0045	-0.1269	-0.0225	0.0013	-0.0019	0.0366	-0.1303	-0.0180	0.0009	-0.0017	0.0420	-0.2101	-0.0223	-0.0000	-0.0022	0.0889	-0.2851	-0.0213	0.0020	-0.0049	0.0000	
Lewis 12kV	0.0461	-0.0190	-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	-0.0173	-0.0031	0.0006	0.0000	0.1518	-0.0176	-0.0030	0.0004	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	-0.0000	0.0017	0.0000	0.0000	-0.0141	-0.0012	-0.0000	0.0000	0.0000	-0.0033	-0.0175	-0.0012	0.0031	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	
Liberty 4.16kV	0.0024	-0.0162	-0.0076	0.0007	0.0000	0.0018	-0.0046	-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	
Lima 16kV	0.0000	-0.0459	-0.0520	0.0009	0.0000	0.0000	-0.0529	-0.0513	0.0011	0.0000	0.0000	-0.0588	-0.0520	0.0010	0.0000	0.0000	-0.0738	-0.0528	0.0004	0.0000	0.0000	-0.0903	-0.0490	0.0016	0.0000	
Liliums 4.16kV	0.0023	-0.0153	-0.0075	0.0019	0.0005	0.0007	-0.0175	-0.0051	0.0022	-0.0001	0.0032	-0.0191	-0.0031	0.0015	-0.0017	0.0036	-0.0281	-0.0048	-0.0002	-0.0009	0.0000	-0.0361	-0.0048	0.0034	-0.0009	
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	
Lilac 4.16kV	0.0037	-0.0238	-0.0046	0.0040	0.0000	0.0027	-0.0268	-0.0028	0.0045	0.0000	0.0050	-0.0288	-0.0012	0.0030	0.0000	0.0058	-0.0438	-0.0026	-0.0059	0.0000	0.0122	-0.0589	-0.0026	0.0056	0.0000	
Lily 4.16kV	0.0021	-0.0225	-0.0076	0.0003	0.0015	0.0016	-0.0238	-0.0065	0.0004	-0.0037	0.0029	-0.0232	-0.0056	0.0003	-0.0003	0.0033	-0.0298	-0.0065	0.0001	-0.0004	0.0069	-0.0337	-0.0061	0.0006	0.0000	
Lima 4.16kV	0.0089	-0.0226	-0.0053	0.0034	0.0001	0.0070	-0.0227	-0.0039	0.0038	0.0003	0.0128	-0.0216	-0.0027	0.0027	-0.0007	0.0148	-0.0291	-0.0038	-0.0003	-0.0004	0.0312	-0.0349	-0.0037	0.0059	0.0000	
Limber 12kV	0.0074	-0.0448	-0.0119	0.0100	0.0002	0.0530	-0.0433	-0.0071	0.0112	0.0000	0.0968	-0.0405	-0.0030	0.0073	-0.0012	0.1112	-0.0545	-0.0066	-0.0094	-0.0018	0.2351	-0.0579	-0.0066	0.0152	-0.0004	
Line 4.16kV	0.0038	-0.0140	-0.0133	0.0021	0.0002	0.0028	-0.0148	-0.0107	0.0024	-0.0002	0.0053	-0.0151	-0.0086	0.0017	0.0002	0.0059	-0.0191	-0.0106	0.0000	0.0000	0.0125	-0.0221	-0.0101	0.0037	0.0000	
Liming 12kV	0.0000	-0.0645	-0.0327	0.0041	0.0008	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	-0.0013	0.0000	-0.0958	-0.0280	0.0071	-0.0011	
Limited 12kV	0.0107	-0.0630	-0.0248	0.0015	0.0033	0.0079	-0.0688	-0.0208	0.0017	-0.0007	0.0144	-0.0537	-0.0175	0.0011	-0.0013	0.0166	-0.0651	-0.0208	-0.0014	-0.0004	0.0351	-0.0743	-0.0196	0.0023	-0.0009	
Limonte 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	-0.0060	-0.0037	0.0011	0.0000	
Linda Vista 12kV	1.2062	-0.0250	-0.0151	0.0045	0.0005	1.1757	-0.0212	-0.0107	0.0051	-0.0013	1.1319	-0.0180	-0.0070	0.0033	-0.0010	3.452	-0.0204	-0.0103	-0.0043	-0.0018	0.3733	-0.0215	-0.0100	0.0069	-0.0018	
Limberg 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	-0.0429	0.0004	0.0000	0.1128	-0.0928	-0.0400	0.0018	-0.0113	
Limber 12kV	0.0074	-0.0266	-0.0114	0.0023	0.0000	0.0046	-0.0234	-0.0025	0.0000	0.0067	-0.0286	-0.0093	-0.0000	0.0000	0.0000	0.0127	-0.0321	-0.0102	0.0000	0.0000	0.0252	-0.0102	0.0000	0.0000	0.0000	
Lindero 12kV	0.0215	-0.1052	-0.0114	0.0075	-0.0009	0.0159	-0.0999	-0.0130	0.0085	-0.0022	0.0091	-0.0903	-0.0057	0.0060	-0.0002	0.0334	-0.1153	-0.0211	-0.0007	-0.0009	0.0707	-0.1321	-0.0121	0.0132	-0.0049	
Linebacker 12kV	0.0089	-0.0075	-0.0357	0.0030	0.0041	0.0066	-0.0370	-0.0336	0.0034	-0.0010	0.0120	-0.0942	-0.0323	0.0024	-0.0020	0.0138	-0.1229	-0.0344	-0.0003	-0.0004	0.0292	-0.1509	-0.0319	0.0052	-0.0004	
Linell 12kV	0.0285	-0.0509	-0.0179	0.0027	0.0142	0.0211	-0.0465	-0.0141	0.0030	-0.0087	0.0386	-0.0414	-0.0109	0.0049	0.0443	-0.0478	-0.0139	-0.0027	-0.0025	-0.0017	0.0937	-0.0517	-0.0134	0.0041	-0.0062	
Linnet 2.4kV	0.0008	-0.0151	-0.0027	0.0013	0.0000	0.0006	-0.0177	-0.0016	0.0014	0.0000	0.0010	-0.0201	-0.0006	0.0009	0.0000	0.0012	-0.0322	-0.0014	-0.0019	0.0000	0.0000	-0.0463	-0.0015	0.0018	0.0000	
Lire 12kV	0.2979	-0.0422	-0.0594	0.0019	0.0015	0.3962	-0.0472	-0.0602	0.0022	-0.0004	0.0661	-0.0513	-0.0616	0.0019	-0.0004	0.0760	-0.0524	-0.0611	0.0008	0.0000	0.1607	-0.0562	-0.0569	0.0036	0.0000	
Lisa Anne 12kV	0.0056	-0.0286	-0.0285	0.0035	-0.0035	0.0042	-0.0255	-0.0235	0.0042	-0.0016	0.0075	-0.0296	-0.0034	0.0037	-0.0074	0.0088	-0.0624	-0.0016	0.0015	-0.0013	0.0186	-0.0748	-0.0022	0.0067	-0.0027	
Lisbon 12kV	0.0040	-0.0311	-0.0238	0.0022	0.0050	0.0030	-0.0315	-0.0204	0.0027	-0.0014	0.0054	-0.0313	-0.0177	0.0023	-0.0008	0.0062	-0.0400	-0.0205	0.0010	-0.0004	0.0131	-0.0483	-0.0193	0.0043	-0.0013	
Liston 12kV	0.0142	-0.0592	-0.0404	0.0018	0.0040	0.0305	-0.0605	-0.0993	0.0020	-0.0014	0.0558	-0.0600	-0.0389	0.0014	0.0641	-0.0701	-0.0402	-0.0002	-0.0009	0.1355	-0.0791	-0.0374	0.0031	-0.0009		
Lithium 12kV	0.0034	-0.0371	-0.0277	0.0018	-0.0245	0.0025	-0.0382	-0.0267	0.0022	-0.0003	0.0045	-0.0382	-0.0262	0.0019	-0.0007	0.0052	-0.0445	-0.0269	0.0008	-0.0009	0.0110	-0.0504	-0.0252	0.0035	-0.0004	
Little Mountain 33kV	0.0035	0.0000	0.0000	0.0003	0.0000	0.0026	0.0000	0.0000	0.0003	0.0000	0.0047	0.0000	0.0000	0.0000	0.0000	0.0054	0.0000	0.0000	0.0001	0.0000	0.0115	0.0000	0.0000	0.0005	0.0000	
Littler 12kV	0.0199	-0.0011	-0.0008	0.0014	0.0000	0.0147	-0.0012	-0.0007	0.0017	0.0000	0.0269	-0.0013	-0.0008	0.0013	0.0000	0.0309	-0.0014	-0.0008	-0.0011	0.0000	0.0654	-0.0015	-0.0007	0.0023	0.0000	
Livermore 12kV	0.0450	-0.1510	-0.0188	0.0032	0.0008	0.3684	-0.1362	-0.0036	-0.0007	0.0610	-0.1084	-0.0068	0.0021	-0.0007	0.0701	-0.1284	-0.0117	-0.0030	-0.0021	0.0000	0.1482	-0.1196	-0.0116	0.0048	0.0000	
Lizard 4.8kV	0.0000	-0.0011	-0.0001	0.0001	0.0000	0.0000	-0.0009	-0.0001	0.0001	0.0000	0.0000	-0.0008	-0.0000	0.0000	0.0000	0.0000	-0.0009	-0.0000	0.0000	0.0000	0.0000	-0.0010	-0.0001	0.0001	0.0000	
Llewellyn 4.16kV	0.0076	-0.0183	-0.0059	0.0020	0.0002	0.0056	-0.0202	-0.0036	0.0024	-0.0002	0.0103	-0.0211	-0.0016	0.0021	-0.0020	0.0118	-0.0308	-0.0034	0.0009	0.0000	0.0249	-0.0405	-0.0034	0.0038	0.0000	
Lloyd 12kV	0.0110	-0.0508	-0.0144	0.0021	0.0000	0.0081	-0.0456	-0.0102	0.0025	0.0000	0.0149	-0.0398	-0.0067	0.0036	0.0000	0.0171	-0.0408	-0.0099	0.0000	0.0000	0.0361	-0.0547	-0.0097	0.0055	0.0000	
Lobby 12kV	0.0254	-0.0598	-0.0362	0.0039	0.0039	0.0188	-0.0647	-0.0309	0.0044	-0.0007	0.0344	-0.0678	-0.0266	0.0031	-0.0025	0.0395	-0.0929	-0.0310	-0.0004	-0.0018	0.0836	-0.1195	-0.0292	0.0068	-0.0009	
Lobert 12kV	0.0255	-0.0641	-0.0320	0.0020	0.0020	0.0103	-0.0637	-0.0290	0.0023	-0.0015	0.0366	-0.0621	-0.0267	0.0016	0.0006	0.0398	-0.0745	-0.0289	0.0000	0.0000	0.0840	-0.0858	-0.0274	0.0035	0.0000	
Lobo 12kV	0.0602	-0.0804	-0.0284	0.0049	0.0025	0.0447	-0.0727	-0.0237	0.0055	-0.0018	0.0815	-0.0642	-0.0249	0.0038	-0.0029	0.0938										

Facility	2018					2019					2020					2021					2022					
	se Demand (MW)	PV (MW) ²¹	EE (MW) ²¹	EV (MW) ²¹	LMDR (MW) ²¹	se Demand (MW)	PV (MW) ²¹	EE (MW) ²¹	EV (MW) ²¹	LMDR (MW) ²¹	se Demand (MW)	PV (MW) ²¹	EE (MW) ²¹	EV (MW) ²¹	LMDR (MW) ²¹	se Demand (MW)	PV (MW) ²¹	EE (MW) ²¹	EV (MW) ²¹	LMDR (MW) ²¹	se Demand (MW)	PV (MW) ²¹	EE (MW) ²¹	EV (MW) ²¹	LMDR (MW) ²¹	
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	0.0000	0.0772	-0.0001	0.0000	0.0000	0.0000	0.1632	-0.0001	0.0000	0.0000	0.0000	0.0000
Lyell 12kV	-0.0322	-0.0323	-0.0164	0.0116	0.0369	0.0239	-0.0313	-0.0110	0.0131	0.0007	0.0672	-0.0295	-0.0066	0.0085	-0.0023	0.0502	-0.0389	-0.0105	-0.0109	-0.0031	0.1061	-0.0479	-0.0103	0.0177	-0.0027	-0.0000
Lyndora 4.16kV	0.0058	-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	0.0000
Lynn 12kV	0.0216	-0.0888	-0.0421	0.0039	0.0048	0.0160	-0.0909	-0.0098	0.0017	0.0005	0.0293	-0.0883	-0.0036	0.0003	-0.0029	0.0436	-0.1320	-0.0136	-0.0031	-0.0000	0.0136	-0.1401	-0.0348	0.0058	-0.0004	-0.0000
Lynn 12kV	0.0000	-0.0267	-0.0243	0.0007	-0.0066	0.0048	-0.0288	-0.0235	0.0009	0.0008	0.0080	-0.0454	-0.0232	0.0008	-0.0012	0.0092	-0.0348	-0.0241	-0.0003	0.0000	0.0194	-0.0386	-0.0034	0.0014	0.0000	0.0000
Lyns 16kV	0.0016	-0.1533	-0.0527	0.0061	0.0078	1.7312	-0.1417	-0.0456	0.0069	0.0007	0.2521	-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	-0.0000
Lytle 12kV	0.0227	-0.1625	-0.0378	0.0029	-0.0052	0.0140	-0.1610	-0.0324	0.0063	-0.0003	0.1656	-0.1532	-0.0279	0.0023	-0.0009	0.2925	-0.1944	-0.0318	-0.0003	-0.0009	0.0623	-0.2268	-0.0305	0.0050	-0.0013	-0.0000
Lytton 4.16kV	0.0076	-0.0038	-0.0064	0.0005	0.0011	0.0056	-0.0038	-0.0059	0.0006	-0.0006	0.0103	-0.0039	-0.0055	0.0005	0.0004	0.0118	-0.0041	-0.0060	0.0002	-0.0004	0.0249	-0.0043	-0.0056	0.0010	0.0000	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	-0.0110	0.0041	0.0000	0.0265	-0.0430	-0.0470	0.0030	0.0000	0.0000
Miss 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	0.0037	-0.0198	-0.0061	-0.0006	0.0000	0.0078	-0.0259	-0.0059	0.0010	0.0000	-0.0004	
Mable 12kV	0.0059	-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	-0.0000
Macademia 12kV	0.0079	-0.0417	-0.0524	0.0007	0.0048	0.0059	-0.0446	-0.0633	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	0.0000
Machine 12kV	0.0270	-0.0546	-0.0538	0.0002	0.0069	0.0200	-0.0618	-0.0530	0.0003	-0.0019	0.0366	-0.0674	-0.0529	0.0004	0.0005	0.0420	-0.0818	-0.0533	0.0009	-0.0004	0.0889	-0.0975	-0.0501	0.0006	-0.0009	-0.0000
Macho 12kV	0.0236	-0.0372	-0.0322	0.0193	-0.0078	0.0175	-0.0423	-0.0171	0.0217	-0.0011	0.0191	-0.0458	-0.0119	0.0141	-0.0014	0.0367	-0.0662	-0.0167	-0.0181	-0.0035	0.0776	-0.0860	-0.0161	0.0294	-0.0035	-0.0000
Maciel 12kV	0.3238	-0.0739	-0.0113	0.0079	-0.0017	0.0176	-0.0723	-0.0076	0.0090	-0.0034	0.0322	-0.0688	-0.0044	0.0063	-0.0093	0.0370	-0.0948	-0.0072	-0.0000	-0.0075	0.0782	-0.1206	-0.0071	0.0139	-0.0058	-0.0000
MacK 12kV	0.0272	-0.0688	-0.0112	0.0005	0.0005	0.0202	-0.0682	-0.0077	0.0005	0.0000	0.0369	-0.0650	-0.0048	0.0004	-0.0002	0.0424	-0.0598	-0.0075	-0.0000	-0.0004	0.0897	-0.0992	-0.0073	0.0008	-0.0027	-0.0000
Macomber 12kV	0.5940	-0.0417	-0.0210	0.0001	0.0000	0.0240	-0.0465	-0.0209	0.0002	0.0000	0.0375	-0.0502	-0.0200	0.0002	0.0000	0.0432	-0.0530	-0.0200	0.0005	0.0000	0.0914	-0.0588	-0.0198	0.0003	0.0000	0.0000
Macy 4.16kV	0.0136	-0.0267	-0.0056	0.0007	0.0010	0.0101	-0.0247	-0.0038	0.0008	0.0001	0.0000	-0.0222	-0.0023	0.0005	0.0000	0.0000	-0.0286	-0.0037	-0.0007	-0.0009	0.0000	-0.0340	-0.0036	0.0011	-0.0018	-0.0000
Madera 4.16kV	0.0112	-0.0301	-0.0056	0.0035	0.0000	0.0083	-0.0347	-0.0033	0.0107	0.0000	0.0152	-0.0030	-0.0013	0.0081	0.0000	0.0175	-0.0244	-0.0030	0.0234	0.0000	0.0370	-0.0694	-0.0030	0.0148	0.0000	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	-0.0833	0.0021	0.0000	0.0361	-0.0756	-0.0768	0.0055	0.0000	0.0000
Madrone 4.16kV	0.0000	-0.0185	-0.0052	0.0039	0.0000	0.0000	-0.0186	-0.0032	0.0044	0.0000	0.0000	-0.0182	-0.0014	0.0029	0.0000	0.0000	-0.0259	-0.0030	-0.0058	0.0000	0.0000	-0.0339	-0.0030	0.0054	0.0000	0.0000
Magazine 12kV	0.0040	-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	-0.0004	0.0219	-0.0764	-0.0107	-0.0075	0.0000	0.0462	-0.0879	-0.0103	0.0122	-0.0018	-0.0000
Magenta 12kV	0.0057	-0.0457	-0.0569	0.0012	0.0001	0.0043	-0.0574	-0.0021	0.0015	-0.0024	0.0079	-0.0517	-0.0074	0.0011	0.0002	0.0090	-0.0579	-0.0105	0.0049	0.0000	0.0191	-0.0747	-0.0176	0.0171	0.0000	0.0000
Magic 16kV	0.0073	-0.0297	-0.0337	0.0005	0.0000	0.0000	-0.0332	-0.0335	0.0007	0.0000	0.0090	-0.0360	-0.0335	0.0009	0.0000	0.0104	-0.0375	-0.0130	-0.0000	0.0000	0.0188	-0.0395	-0.0104	0.0014	0.0000	0.0000
Magnetic 4.16kV	0.0092	-0.0096	-0.0073	0.0016	0.0006	0.0000	-0.0110	-0.0061	0.0019	-0.0002	0.0000	-0.0113	-0.0050	0.0016	0.0000	0.0000	-0.0150	-0.0061	0.0007	0.0000	0.0000	-0.0179	-0.0057	0.0030	-0.0013	-0.0000
Magnolia 12kV	0.0412	-0.0172	-0.0256	0.0047	0.0060	0.0305	-0.1026	-0.0204	0.0053	-0.0014	0.0588	-0.0942	-0.0161	0.0034	0.0000	0.0641	-0.1197	-0.0202	-0.0044	0.0000	0.1355	-0.1398	-0.0192	0.0071	-0.0022	-0.0000
Magoo 12kV	0.0585	-0.1275	-0.0225	0.0090	-0.0004	0.0434	-0.1085	-0.0158	0.0103	-0.0012	0.0121	-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	-0.0000
Magua 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	0.0104	-0.0044	-0.0000
Maguire 16kV	0.0561	-0.0475	-0.0155	0.0206	0.0000	0.0416	-0.0481	-0.0123	0.0231	0.0000	0.0769	-0.0467	-0.0096	0.0058	0.0129	0.0874	-0.0598	-0.0122	-0.0306	0.0000	0.1847	-0.0706	-0.0116	0.0286	0.0000	0.0000
Main St. 4.16kV	0.0023	-0.0153	-0.0063	0.0010	0.0000	0.0007	-0.0158	-0.0037	0.0031	0.0000	0.0032	-0.0158	-0.0014	0.0024	0.0000	0.0037	-0.0231	-0.0034	0.0068	0.0000	0.0000	-0.0312	-0.0034	0.0043	0.0000	0.0000
Maitland 4.16kV	0.0040	-0.0162	-0.0039	0.0003	0.0005	0.0029	-0.0158	-0.0028	0.0003	0.0007	0.0054	-0.0150	-0.0019	0.0002	0.0000	0.0062	-0.0204	-0.0028	0.0000	0.0000	0.0130	-0.0254	-0.0027	0.0005	0.0000	0.0000
Maize 12kV	0.0238	-0.0415	-0.0195	0.0091	0.0005	0.0176	-0.0416	-0.0164	0.0103	-0.0014	0.0322	-0.0407	-0.0139	0.0072	-0.0007	0.0370	-0.0533	-0.0164	-0.0008	-0.0022	0.5332	-0.0659	-0.0155	0.0158	-0.0004	-0.0000
Major 4.16kV	0.0152	-0.0235	-0.0046	0.0077	0.0000	0.0112	-0.0261	-0.0027	0.0087	0.0000	0.0205	-0.0274	-0.0009	0.0057	0.0000	0.0236	-0.0407	-0.0024	-0.0115	0.0000	0.0499	-0.0533	-0.0025	0.0108	0.0000	0.0000
Malaga Cove 4.16kV	0.0152	-0.0291	-0.0050	0.0054	0.0000	0.0112	-0.0331	-0.0029	0.0062	0.0000	0.0205	-0.0358	-0.0011	0.0043	0.0000	0.0236	-0.0549	-0.0027	-0.0100	0.0000	0.0499	-0.0738	-0.0027	0.0072	0.0000	0.0000
Malden 16kV	0.0438	-0.1111	-0.1139	0.0048	0.0089	0.0325	-0.1048	-0.0058	0.0013	0.0013	0.0599	-0.1252	-0.0094	0.0050	0.0000	0.0683	-0.1674	-0.1066	0.0021	0.0027	0.1443	-0.2105	-0.0993	0.0092	0.018	0.0000
Mallard 12kV	0.0217	-0.0852	-0.0226	0.0108	0.0000	0.0161	-0.0857	-0.0154	0.0122	0.0000	0.0285	-0.0836	-0.0092	0.0080	0.0000	0.0336	-0.1164	-0.0147	-0.0161	0.0000	0.0710	-0.1498	-0.0144	0.0151	0.0000	0.0000
Maltby 16kV	0.0316	-0.0292	-0.0083	0.0077	0.0000	0.0201	-0.0287	-0.0061	0.0086	0.0000	0.0184	-0.0276	-0.0042	0.0057	0.0000	0.0211	-0.0350	-0.0059	-0.0114	0.0000	0.0446	-0.0420	-0.0057	0.0107	0.0000	0.0000
Malt 16kV	0.0135	-0.0044	-0.0050	0.0001	0.0000	0.0034	-0.0050	-0.0051	0.0000	0.0000	0.0427	-0.0054	-0.0053	0.0001	0.0000	0.0491	-0.0056	-0.0059	-0.0002	0.0000	0.1037	-0.0059	-0.0048	0.0000	0.0000	0.0000
Mamba 16kV	0.0030	-0.1127	-0.0603	0.0081	0.0000	0.0200	-0.1049	-0.0577	0.0002	-0.0011	0.0300	-0.0943	-0.0524	0.0065	-0.0016	0.0310	-0.1047	-0.0567	-0.0007	-0.0013	0.0030	-0.1093	-0.0528	0.0142	-0.0013	-0.0000
Mamie 12kV	0.0330	0.0000	0.0000	0.0001</																						

Facility	2018				2019				2020				2021				2022								
	se Demand (MW)	PV (MW) ²¹	EE (MW) ²¹	EV (MW) ²¹	LMDR (MW) ²¹	se Demand (MW)	PV (MW) ²¹	EE (MW) ²¹	EV (MW) ²¹	LMDR (MW) ²¹	se Demand (MW)	PV (MW) ²¹	EE (MW) ²¹	EV (MW) ²¹	LMDR (MW) ²¹	se Demand (MW)	PV (MW) ²¹	EE (MW) ²¹	EV (MW) ²¹	LMDR (MW) ²¹					
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	-0.0018	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	0.0000	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
Mark 12kV	0.0585	-0.0951	-0.0219	0.0090	0.0000	0.0434	-0.0820	-0.0344	0.0111	0.0000	0.0721	-0.0679	-0.0090	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	-0.0161	0.0045	-0.0077	0.0076	-0.0930	-0.0173	0.0039	-0.0077	0.0068	-0.1238	-0.0411	-0.0148	0.0186	0.1446	-0.0184	0.0173	-0.0138	0.0000
Maryland 12kV	0.0052	-0.0683	-0.0213	0.0056	0.0000	0.0038	-0.0683	-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	-0.0133	0.0098	0.0000
Mashe 12kV	0.0051	-0.0209	-0.0256	0.0022	0.0057	0.0038	-0.0234	-0.0257	0.0025	-0.0008	0.0059	-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	0.0008	-0.0005	0.0070	-0.0906	-0.0302	0.0059	-0.0009	0.0081	-0.1120	-0.0349	-0.0007	-0.0013	0.0170	-0.1282	-0.0223	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	-0.0939	-0.0224	0.0042	0.0000
Mast 12kV	0.0171	-0.0202	-0.0190	0.0048	0.0000	0.0127	-0.0226	-0.0195	0.0055	0.0000	0.0232	-0.0246	-0.0203	0.0038	0.0000	0.0267	-0.0266	-0.0202	-0.0088	0.0000	0.0564	-0.0270	-0.0186	0.0064	0.0000
Mataro 12kV	0.0061	-0.0623	-0.0260	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	-0.0150	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
Mateo 12kV	0.0434	-0.0952	-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	-0.0008	-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	0.0000	0.0488	-0.0578	-0.0248	0.0006	-0.0009
Matija 16kV	1.3543	-0.1561	-0.0442	0.0044	0.0061	0.0175	-0.1412	-0.0405	0.0050	-0.0003	0.0319	-0.1207	-0.0379	0.0035	-0.0027	0.0367	-0.1352	-0.0413	-0.0004	-0.0018	0.0775	-0.1387	-0.0384	0.0077	-0.0031
Matlock 12kV	0.0065	-0.0580	-0.0185	0.0067	-0.0066	0.0049	-0.0571	-0.0153	0.0076	0.0001	0.0089	-0.0530	-0.0128	0.0053	-0.0005	0.0102	-0.0657	-0.0153	-0.0006	-0.0013	0.0215	-0.0744	-0.0145	0.0116	-0.0004
Matvey 4.16kV	0.0057	-0.0202	-0.0072	0.0029	0.0021	0.0042	-0.0199	-0.0039	0.0033	-0.0004	0.0077	-0.0192	-0.0038	0.0023	0.0001	0.0089	-0.0257	-0.0059	-0.0003	-0.0009	0.0187	-0.0318	-0.0105	0.0050	0.0000
Matterhorn 12kV	0.0473	-0.1500	-0.0403	0.0006	-0.0002	0.0351	-0.1286	-0.0329	0.0006	-0.0008	0.0647	-0.1075	-0.0327	0.0000	-0.0028	0.0737	-0.1230	-0.0327	0.0006	-0.0018	0.1558	-0.0857	-0.0309	0.0009	0.0022
Maudel 12kV	0.0294	-0.0406	-0.0122	0.0021	0.0000	0.0218	-0.0394	-0.0091	0.0024	0.0000	0.0399	-0.0374	-0.0065	0.0016	0.0000	0.0458	-0.0487	-0.0089	-0.0011	0.0000	0.0969	-0.0590	-0.0086	0.0029	0.0000
Maulhardt 16kV	2.0891	-0.0899	-0.0777	0.0025	0.0000	0.1566	-0.0997	-0.0737	0.0030	-0.0014	0.2860	-0.0899	-0.0712	0.0026	-0.0015	0.1070	-0.1269	-0.0753	0.0011	0.0000	2.2262	-0.1564	-0.0698	0.0049	-0.0004
Mauna Loa 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	-0.0438	-0.0387	-0.0001	0.0000	0.0430	-0.0500	-0.0356	0.0025	-0.0004
Maverick 12kV	0.0000	-0.0394	-0.0056	0.0004	0.0000	0.0000	-0.0408	-0.0035	0.0004	0.0000	0.0000	-0.0403	-0.0019	0.0000	0.0000	-0.0553	-0.0033	-0.0006	0.0000	0.0000	0.0000	-0.0676	-0.0033	0.0005	0.0000
Maxim 12kV	0.0071	-0.0897	-0.0301	0.0037	-0.0074	0.0053	-0.0822	-0.0208	0.0042	-0.0094	0.0096	-0.0725	-0.0129	0.0027	-0.0041	0.0105	-0.0883	-0.0199	-0.0035	-0.0151	0.0222	-0.0993	-0.0196	0.0056	-0.0053
Maximus 16kV	0.0548	-0.1213	-0.0272	0.0112	0.0002	0.0562	-0.0967	-0.0186	0.0126	0.0000	0.0462	-0.0743	-0.0112	0.0063	0.0000	0.0531	-0.0804	-0.0105	-0.0035	0.0112	0.0222	-0.0798	-0.0124	0.0040	0.0000
Maxine 4.16kV	0.0000	-0.0266	-0.0045	0.0017	0.0004	0.0006	-0.0281	-0.0026	0.0020	-0.0006	0.0011	-0.0281	-0.0019	0.0014	-0.0002	0.0012	-0.0397	-0.0024	-0.0002	-0.0004	0.0026	-0.0496	-0.0024	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	-0.0208	-0.0177	-0.0009	0.0446	-0.1566	-0.0287	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	-0.0398	-0.0134	-0.0004	-0.0053	0.0142	-0.0302	-0.0130	0.0063	-0.0022
Maybell 12kV	0.0000	-0.0941	-0.0261	0.0098	0.0029	0.0000	-0.0976	-0.0205	0.0110	-0.0002	0.0000	-0.0965	-0.0159	0.0071	-0.0013	0.0000	-0.1300	-0.0203	-0.0092	-0.0018	0.0000	-0.1593	-0.0194	0.0149	-0.0022
Mayer 33kV	0.0361	-0.0001	0.0000	0.0024	0.0000	0.0288	0.0000	0.0000	0.0027	0.0000	0.0489	0.0000	0.0000	0.0017	0.0000	0.0562	0.0000	0.0000	-0.0022	0.0000	0.1188	0.0000	0.0000	0.0036	0.0000
Mayer 4.16kV	0.0000	-0.0181	-0.0058	0.0014	0.0000	0.0019	-0.0207	-0.0004	0.0018	0.0000	0.0034	-0.0218	-0.0012	0.0000	0.0000	0.0039	-0.0318	-0.0031	-0.0004	0.0000	0.0083	-0.0404	-0.0031	0.0029	-0.0009
Mays 16kV	0.0295	-0.0278	-0.0185	0.0009	0.0000	0.0219	-0.0308	-0.0180	0.0011	0.0000	0.0399	-0.0331	-0.0179	0.0008	0.0000	0.0459	-0.0366	-0.0185	-0.0006	0.0000	0.0970	-0.0410	-0.0171	0.0014	0.0000
Mays 12kV	0.0000	-0.0283	-0.0239	0.0005	0.0004	0.0000	-0.0276	-0.0233	0.0006	0.0003	0.0000	-0.0260	-0.0232	0.0005	-0.0004	0.0000	-0.0277	-0.0239	-0.0002	0.0000	0.0000	-0.0283	-0.0221	0.0010	0.0000
Mazatan 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	-0.0018	0.0485	-0.0582	-0.0095	0.0075	-0.0004
Mc Allister 12kV	0.0540	-0.0979	-0.0215	0.0046	-0.0002	0.0401	-0.0858	-0.0133	0.0056	0.0000	0.0731	-0.0731	-0.0062	0.0049	0.0001	0.0841	-0.0902	-0.0124	-0.0020	-0.0009	0.1777	-0.1042	-0.0124	0.0090	-0.0040
Mc Caslin 4.16kV	0.0000	-0.0041	-0.0014	0.0000	0.0003	0.0000	-0.0044	-0.0013	0.0000	0.0001	0.0000	-0.0045	-0.0012	0.0000	0.0001	0.0000	-0.0060	-0.0013	0.0000	0.0000	0.0000	-0.0072	-0.0012	0.0000	0.0000
Mc Clary 4.16kV	0.0227	-0.0050	-0.0013	0.0003	0.0000	0.0169	-0.0099	-0.0003	0.0003	0.0000	0.0303	-0.0045	-0.0066	0.0000	0.0000	0.0118	-0.0050	-0.0008	-0.0006	0.0000	0.0000	-0.0066	-0.0006	0.0004	0.0000
Mc Cormick 12kV	0.0000	-0.0323	-0.0454	0.0008	0.0020	0.0178	-0.0449	-0.0010	-0.0001	0.0000	0.0325	-0.0364	-0.0451	0.0011	-0.0009	0.0047	-0.0396	-0.0462	0.0002	0.0009	0.0021	-0.0421	-0.0426	0.0015	0.0000
Mc Coy 33kV	0.0000	-0.0002	-0.0004	0.0003	0.0000	0.0000	-0.0004	-0.0004	0.0003	0.0001	0.0001	-0.0003	-0.0004	0.0000	0.0000	0.0000	-0.0003	-0.0004	0.0000	0.0000	0.0000	-0.0003	-0.0004	0.0005	0.0000
Mcbean 16kV	0.0016	-0.1396	-0.0528	0.0031	0.0039	0.0012	-0.1333	-0.0459	0.0038	0.0001	0.0021	-0.1216	-0.0404	0.0033	-0.0017	0.0022	-0.1428	-0.0460	0.0013	-0.0013	0.0052	-0.1552	-0.0435	0.0060	-0.0018
McCallum 4.16kV	0.0045	-0.0048	-0.0048	0.0003	0.0008	0.0034	-0.0041	-0.0031	0.0004	-0.0003	0.0062	-0.0035	-0.0016	0.0004	0.0001	0.0071	-0.0041	-0.0029	0.0002	-0.0004	0.0150	-0.0045	-0.0029	0.0007	-0.0004
McCarthy 16kV	0.0124	-0.0324	-0.0536	0.0031	0.0022	0.0092	-0.0363	-0.0547	0.0036	-0.0003	0.3958	-0.0394	-0.0566	0.0025	-0.0001	0.4551	-0.0414	-0.0569	-0.0003	0.0000	0.9618	-0.0439	-0.0520	0.0055	0.0000
McClenny 2.8kV	0.0000	-0.0000	-0.0001	0.0000	0.0000	0.0000	-0.0003	-0.0001	0.0000	0.0000	0.0000	0.0000	-0.0003	0.0000	0.0000	0.0000	-0.0008	-0.0001	0.0000	0.0000	0.0000	-0.0010			

Facility	2018					2019					2020					2021					2022				
	se Demand (MW)	PV (MW) ¹⁸	EE (MW) ¹⁸	EV (MW) ¹⁸	LMDR (MW) ¹⁸	se Demand (MW)	PV (MW) ¹⁹	EE (MW) ¹⁹	EV (MW) ¹⁹	LMDR (MW) ¹⁹	se Demand (MW)	PV (MW) ²⁰	EE (MW) ²⁰	EV (MW) ²⁰	LMDR (MW) ²⁰	se Demand (MW)	PV (MW) ²¹	EE (MW) ²¹	EV (MW) ²¹	LMDR (MW) ²¹	se Demand (MW)	PV (MW) ²²	EE (MW) ²²	EV (MW) ²²	LMDR (MW) ²²
Meridian 16kV	0.0365	-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	-0.0170	-0.0057	0.0000	0.1847	-0.0922	-0.0704	0.0093	-0.0004
Merlot 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	-0.0096	0.0024	-0.0013	0.0147	-0.0650	-0.0045	-0.0003	-0.0009	0.0311	-0.0736	-0.0094	0.0053	-0.0013
Merrit 12kV	0.0479	-0.0029	-0.0082	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0641	-0.0238	-0.0078	0.0003	0.0000	0.0680	-0.0078	-0.0000	0.0000	0.0000	0.0269	-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	0.1049	-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	0.0020	-0.0327	-0.0039	0.0020	0.0000	0.0037	-0.0367	-0.0019	0.0015	0.0000	0.0042	-0.0571	-0.0037	-0.0012	0.0000	0.0089	-0.0776	-0.0074	0.0027	0.0000
Mesa Grande 12kV	0.0104	-0.0900	-0.0126	0.0005	0.0000	0.0077	-0.0893	-0.0079	0.0000	-0.0001	0.0141	-0.0744	-0.0040	0.0008	-0.0012	0.0162	-0.0879	-0.0075	-0.0003	0.0000	0.0342	-0.0933	-0.0037	0.0010	-0.0009
Mescal 12kV	0.0870	-0.0297	-0.0412	0.0013	0.0045	0.0870	-0.0332	-0.0421	0.0015	-0.0000	0.0801	-0.0361	-0.0435	0.0009	-0.0006	0.0870	-0.0375	-0.0433	-0.0012	0.0000	0.1422	-0.0395	-0.0399	0.0020	0.0000
Mesmer 4.16kV	0.0060	-0.0241	-0.0067	0.0027	0.0000	0.0040	-0.0246	-0.0053	0.0033	-0.0007	0.0087	-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	0.0023	-0.0009	0.0186	-0.1032	-0.0190	0.0026	-0.0012	0.0340	-0.0990	-0.0123	0.0017	-0.0004	0.0391	-0.1345	-0.0184	-0.0021	-0.0035	0.0825	-0.1695	-0.0179	0.0035	-0.0040
Meteor 12kV	0.0006	-0.0536	-0.0758	0.0015	-0.0048	0.0034	-0.0576	-0.0757	0.0019	0.0006	0.0052	-0.0604	-0.0767	0.0022	-0.0083	0.0071	-0.0628	-0.0781	0.0004	-0.0009	0.0150	-0.0738	-0.0719	0.0029	-0.0004
Metro 12kV	0.0242	-0.0856	-0.0460	0.0032	0.0000	0.0179	-0.0881	-0.0406	0.0039	-0.0007	0.0327	-0.0858	-0.0362	0.0034	-0.0008	0.0377	-0.1024	-0.0027	0.0014	-0.0022	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	-0.0017	0.0035	-0.0006	0.0048	-0.0410	-0.0034	-0.0009	-0.0009	0.0101	-0.0531	-0.0304	0.0073	-0.0009
Mexico 12kV	0.0062	-0.1603	-0.0256	0.0074	0.0012	0.0046	-0.1653	-0.0194	0.0084	-0.0018	0.0084	-0.1609	-0.0143	0.0060	-0.0024	0.0096	-0.2169	-0.0191	-0.0007	-0.0018	0.0204	-0.2590	-0.0183	0.0130	-0.0022
Miami 18kV	0.0000	-0.0078	-0.0013	0.0000	0.0000	0.0000	-0.0048	-0.0047	0.0016	0.0000	0.0000	-0.0487	-0.0019	0.0012	0.0000	0.0000	-0.0740	-0.0043	-0.0010	0.0000	0.0000	-0.0978	-0.0016	0.0022	0.0000
Mica 16kV	0.0117	-0.0429	-0.0086	0.0021	0.0002	0.0087	-0.0459	-0.0054	0.0114	0.0001	0.0158	-0.0469	-0.0026	0.0074	-0.0003	0.0182	-0.0426	-0.0059	-0.0050	0.0095	0.0385	-0.0676	-0.0506	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	-0.0012	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	-0.0125	0.0029	-0.0002	0.0000	-0.0619	-0.0098	0.0021	-0.0004	0.0000	-0.0851	-0.0124	-0.0002	-0.0018	0.0000	-0.1072	-0.0178	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	-0.0032	0.0000	0.0249	-0.0320	-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	0.0000	-0.0005	-0.0007	0.0000	0.0001	0.0000	-0.0006	-0.0008	-0.0000	0.0000	0.0000	-0.0006	-0.0008	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	-0.0048	0.0406	-0.0420	-0.0101	0.0030	0.0025	0.0467	-0.0502	-0.0132	-0.0039	-0.0049	0.0986	-0.0575	-0.0131	0.0063	-0.0009
Midvale Road 16kV	0.0000	-0.0543	-0.0353	0.0023	0.0158	0.0101	-0.0624	-0.0311	0.0030	-0.0051	0.0184	-0.0691	-0.0104	0.0011	0.0000	0.0182	-0.0882	-0.0148	0.0000	0.0000	0.0184	-0.1084	-0.0316	0.0437	-0.0058
Midvalecreek 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	-0.0833	-0.0245	0.0211	-0.0013
Midye 12kV	0.6264	-0.0155	-0.0067	0.0005	0.0000	0.1385	-0.0173	-0.0066	0.0006	0.0000	0.1050	-0.0188	-0.0066	0.0004	0.0000	0.1097	-0.0197	-0.0066	-0.0009	0.0000	0.2319	-0.0210	-0.0066	0.0007	0.0000
Midori 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	-0.0000	0.0000	0.0711	-0.0433	-0.0421	0.0000	0.0000
Midway 4.16kV	0.0038	-0.1419	-0.0032	0.0010	0.0000	0.0000	-0.1416	-0.0019	0.0032	0.0000	0.0000	-0.1612	-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
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	0.0000	0.0063	-0.0511	-0.0038	0.0033	-0.0009
Miguel 12kV	0.0000	-0.0206	-0.0125	0.0009	0.0009	0.0000	-0.0112	-0.0124	0.0010	0.0002	0.0279	-0.0119	-0.0125	0.0007	-0.0004	0.0000	-0.0149	-0.0128	-0.0001	0.0000	0.0000	-0.0165	-0.0018	0.0016	0.0000
Mildred 12kV	0.0059	-0.0575	-0.0251	0.0034	0.0003	0.0044	-0.0583	-0.0222	0.0039	-0.0002	0.0080	-0.0575	-0.0200	0.0028	-0.0002	0.0092	-0.0760	-0.0225	-0.0003	-0.0018	0.0195	-0.0950	-0.0210	0.0060	-0.0013
Miller 12kV	0.0098	-0.0425	-0.0339	0.0005	-0.0053	0.0058	-0.0473	-0.0317	0.0006	0.0000	0.0120	-0.0505	-0.0300	0.0008	-0.0003	0.0101	-0.0602	-0.0317	0.0020	0.0000	0.0214	-0.0696	-0.0299	0.0015	0.0000
Miles 4.16kV	0.0026	-0.0204	-0.0084	0.0003	0.0015	0.0020	-0.0246	-0.0065	0.0003	0.0003	0.0036	-0.0284	-0.0048	0.0003	-0.0002	0.0041	-0.0451	-0.0064	0.0001	-0.0009	0.0087	-0.0635	-0.0661	0.0005	0.0000
Milk 12kV	0.0242	-0.0798	-0.0362	0.0016	0.0000	0.0180	-0.0775	-0.0311	0.0018	0.0000	0.0328	-0.0734	-0.0270	0.0012	0.0000	0.0378	-0.0878	-0.0312	0.0000	0.0000	0.0798	-0.1006	-0.0294	0.0022	0.0000
Mill 12kV	0.0264	-0.0296	-0.0427	0.0001	0.0000	0.0196	-0.0331	-0.0433	0.0002	0.0000	0.0357	-0.0360	-0.0443	0.0002	0.0000	0.0411	-0.0374	-0.0439	0.0004	0.0000	0.0869	-0.0395	-0.0410	0.0003	0.0000
Millennium 12kV	0.0000	-0.0993	-0.0375	-0.0141	0.0073	0.0034	-0.0045	-0.0177	0.0121	0.0002	0.0077	-0.0369	-0.0104	0.0001	0.0089	0.0488	-0.0121	-0.0069	0.0018	0.0167	0.0699	-0.0529	-0.0114	0.0111	0.0000
Miller 4.16kV	0.0112	-0.0284	-0.0068	0.0040	0.0000	0.0083	-0.0337	-0.0050	0.0044	0.0000	0.0152	-0.0375	-0.0035	0.0029	0.0000	0.0175	-0.0574	-0.0049	-0.0059	0.0000	0.0370	-0.0765	-0.0047	0.0055	0.0000
Millergrove 12kV	0.0091	-0.0555	-0.0395	0.0020	0.0028	0.0067	-0.0588	-0.0334	0.0024	-0.0012	0.0123	-0.0615	-0.0285	0.0021	-0.0010	0.0141	-0.0838	-0.0335	0.0008	-0.0013	0.0298	-0.1106	-0.0316	0.0038	-0.0027
Millpoint 12kV	0.0206	-0.0130	-0.0202	0.0008	0.0000	0.0053	-0.0145	-0.0205	0.0000	0.0000	0.0279	-0.0157	-0.0211	0.0015	0.0000	0.0321	-0.0166	-0.0211	0.0024	0.0000	0.0678	-0.0129	-0.0195	0.0022	0.0000
Mill 16kV	1.7855	-0.1047	-0.0614	0.0039	0.0052	0.0190	-0.1074	-0.0579	0.0048	-0.0018	0.0346	-0.1055	-0.0556	0.0041	-0.0007	0.0398	-0.1310	-0.0591	0.0017	-0.0009	0.0841	-0.1521	-0.0548	0.0076	-0.0009
Milpas 16kV	0.1235	-0.1377	-0.0791	0.0146	0.0154	0.0083	-0.1316	-0.0739	0.0165	-0.0026	0.0152	-0.1197	-0.0704	0.0116	-0.0034	0.0175	-0.1355	-0.0754	-0.0013	0.0000	0.0369	-0.1399	-0.0740	0.0254	-0.0009
Minosa 12kV	0.0079	-0.0761	-0.0583	0.0051	0.0007	0.0097	-0.0589	-0.0339	0.0058	-0.0035	0.0107	-0.0558	-0.0296	0.0038	-0.0014	0.0									

Facility	2018				2019				2020				2021				2022									
	se Demand (MW)	PV (MW) ²¹	EE (MW) ²¹	EV (MW) ²¹	LMDR (MW) ²¹	se Demand (MW)	PV (MW) ²¹	EE (MW) ²¹	EV (MW) ²¹	LMDR (MW) ²¹	se Demand (MW)	PV (MW) ²¹	EE (MW) ²¹	EV (MW) ²¹	LMDR (MW) ²¹	se Demand (MW)	PV (MW) ²¹	EE (MW) ²¹	EV (MW) ²¹	LMDR (MW) ²¹						
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	0.0000	-0.0287	-0.0019	-0.0011	0.0000	0.0000	0.0000	-0.0367	-0.0019	0.0018	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	0.0000	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	0.0090	-0.0004	0.0073	-0.0852	-0.0079	-0.0116	0.0000	0.0153	-0.1026	-0.0078	0.0188	-0.0004	-0.0004
Nero 16kV	0.0341	-0.0043	-0.0234	0.0181	0.0000	0.0353	-0.0029	-0.0161	0.0036	0.0000	0.0000	-0.0036	-0.0102	0.0101	0.0000	0.0046	0.0031	-0.0137	-0.0269	0.0000	0.0331	-0.0234	-0.0131	0.0253	0.0000	0.0000
nestle 12kV	0.1069	-0.0185	-0.0230	0.0019	0.0000	0.0005	-0.0201	-0.0234	0.0021	0.0003	0.1087	-0.0214	-0.0241	0.0015	0.0006	0.0000	-0.0243	-0.0042	-0.0002	0.0000	0.0000	-0.0278	-0.0272	0.0033	0.0000	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	-0.0074	-0.0043	-0.0032	0.0000	0.0130	-0.1166	-0.0044	0.0023	0.0000	0.0000
Nevada 4.16kV	0.0076	0.0000	0.0000	0.0000	0.0000	0.0056	0.0000	0.0000	0.0000	0.0000	0.0103	0.0000	0.0000	0.0000	0.0000	0.0118	-0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Nevcal 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	-0.0001	-0.0001	0.0000	0.1247	-0.0001	-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	0.0021	-0.0006	0.0805	-0.0292	-0.0107	0.0015	0.0000	0.0025	-0.0378	-0.0122	-0.0002	0.0000	0.1955	-0.0460	-0.0114	0.0032	0.0000	0.0000
New York 4.16kV	0.0000	-0.0226	-0.0041	0.0039	0.0000	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	-0.0004
Newman 12kV	0.0571	-0.0239	-0.0101	0.0001	0.0004	0.0424	-0.0256	-0.0099	0.0001	0.0014	0.0000	-0.0286	-0.0098	0.0000	-0.0026	0.0890	-0.0302	-0.0099	0.0004	0.0000	0.1881	-0.0320	-0.0099	0.0003	0.0000	0.0000
Nicholas 16kV	0.0833	-0.1067	-0.0293	0.0099	0.0000	0.0000	0.0618	-0.1091	-0.0185	0.0021	0.0129	-0.1063	-0.0092	0.0090	0.0000	0.1298	-0.1431	-0.0174	-0.0074	0.0000	0.2744	-0.1750	-0.0173	0.0161	0.0000	0.0000
Nickel 12kV	0.0034	-0.0509	-0.0299	0.0032	0.0014	0.0025	-0.0494	-0.0246	0.0038	0.0001	0.0045	-0.0466	-0.0202	0.0033	-0.0011	0.0052	-0.0585	-0.0245	0.0014	-0.0009	0.0110	-0.0694	-0.0232	0.0061	-0.0027	0.0000
Nickerson 12kV	0.2085	-0.0342	-0.0106	0.0038	0.0000	0.0211	-0.0341	-0.0087	0.0043	0.0000	0.0386	-0.0300	-0.0071	0.0028	0.0000	0.0443	-0.0381	-0.0085	-0.0005	0.0000	0.0937	-0.0420	-0.0085	0.0053	0.0000	0.0000
Nicklin 12kV	3.2183	-0.0933	-0.0255	0.0068	0.0000	0.7049	-0.0891	-0.0193	0.0084	0.0000	0.0322	-0.0831	-0.0141	0.0062	0.0000	0.0370	-0.1027	-0.0189	-0.0051	0.0000	0.0782	-0.1197	-0.0183	0.0111	0.0000	0.0000
Nicole 12kV	0.0000	-0.0426	-0.0113	0.0024	0.0000	0.0641	-0.0419	-0.0086	0.0000	0.0000	0.0751	-0.0400	-0.0054	0.0025	0.0000	0.0220	-0.0535	-0.0085	-0.0051	0.0000	0.0465	-0.0665	-0.0000	0.0000	0.0000	0.0000
Nidewer 2.4kV	0.0000	-0.0044	-0.0014	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-0.0041	-0.0003	0.0000	0.0000	0.0000	-0.0003	-0.0007	0.0000	0.0000	0.0000	-0.0000	-0.0000	0.0000	0.0000	0.0000
Nighthawk 16kV	0.0000	-0.0813	-0.0884	0.0011	0.0050	0.0000	-0.0910	-0.0877	0.0013	-0.0013	0.0000	-0.0988	-0.0875	0.0016	0.0003	0.0000	-0.1028	-0.0861	0.0003	0.0000	0.0000	-0.1083	-0.0023	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	0.0000	0.0357	-0.0361	-0.0485	0.0003	0.0001	0.0357	-0.0392	-0.0487	0.0001	-0.0004	0.0357	-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	-0.0022	0.0000	-0.1239	-0.0174	0.0043	-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	0.0062	-0.0693	-0.0545	0.0049	0.0000	0.0071	-0.0831	-0.0583	0.0000	0.0000	0.0150	-0.0969	-0.0541	0.0075	0.0000	0.0000
Nimitz 16kV	0.0000	-0.0525	-0.0718	0.0133	0.0000	0.0000	-0.0588	-0.0734	0.0150	0.0000	0.0000	-0.0638	-0.0757	0.0097	0.0000	0.0000	-0.0664	-0.0753	-0.0125	0.0000	0.0000	-0.0699	-0.0696	0.0203	0.0000	0.0000
North St 2.4kV	0.0000	-0.0038	-0.0064	0.0000	0.0000	0.0000	-0.0044	-0.0027	0.0000	0.0000	0.0000	-0.0044	-0.0027	0.0000	0.0000	0.0000	-0.0044	-0.0027	0.0000	0.0000	0.0000	-0.0044	-0.0027	0.0000	0.0000	0.0000
Nipton 33kV	0.0000	-0.0409	-0.0421	0.0000	0.0000	0.0000	-0.0414	-0.0000	0.0000	0.0000	0.0000	-0.0409	-0.0410	0.0000	0.0000	0.0000	-0.0517	-0.0400	0.0000	0.0000	0.0000	-0.0544	-0.0000	0.0000	0.0000	0.0000
Nisley 16kV	0.0134	-0.0443	-0.0263	0.0019	0.0028	0.0099	-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	0.0000
Nisqually 33kV	3.5000	0.0000	0.0000	0.0021	0.0000	0.5000	0.0000	0.0000	0.0023	0.0000	0.1209	0.0000	0.0000	0.0015	0.0000	0.1390	0.0000	0.0000	0.0000	0.0000	0.2937	0.0000	0.0000	0.0029	0.0000	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	0.0000
No Beach 4.16kV	0.0136	-0.0389	-0.0066	0.0057	0.0000	0.0110	-0.0407	-0.0099	0.0065	0.0000	0.0216	-0.0407	-0.0019	0.0045	0.0000	0.0248	-0.0580	-0.0036	-0.0105	0.0000	0.0524	-0.0742	-0.0036	0.0075	0.0000	0.0000
Nurses 12kV	0.2340	-0.0098	-0.0042	0.0002	0.0000	0.0000	-0.0046	-0.0007	0.0000	0.0000	0.0146	-0.0115	-0.0039	0.0000	0.0000	0.0000	-0.0115	-0.0040	-0.0016	0.0000	0.0355	-0.0132	-0.0040	0.0000	0.0000	0.0000
Nox 12kV	0.0602	-0.0892	-0.0181	0.0041	-0.0002	0.0447	-0.0780	-0.0110	0.0046	-0.0021	0.0816	-0.0662	-0.0048	0.0030	-0.0022	0.0938	-0.0817	-0.0102	-0.0039	-0.0027	0.1984	-0.0929	-0.0102	0.0062	-0.0044	0.0000
Noxra 4.16kV	0.0040	-0.0341	-0.0063	0.0011	0.0009	0.0029	-0.0355	-0.0047	0.0012	0.0004	0.0054	-0.0339	-0.0000	0.0000	0.0062	-0.0441	-0.0045	-0.0010	-0.0009	0.0130	-0.0499	-0.0044	0.0016	-0.0018	0.0000	0.0000
Nogal 4.16kV	0.0000	-0.0066	-0.0022	0.0024	0.0000	0.0000	-0.0060	-0.0013	0.0027	0.0000	0.0000	-0.0051	-0.0005	0.0000	0.0018	0.0000	-0.0060	-0.0012	-0.0043	0.0000	0.0000	-0.0063	-0.0012	0.0031	0.0000	0.0000
Nohl 12kV	0.0045	-0.0774	-0.0152	0.0051	0.0009	0.0034	-0.0733	-0.0101	0.0058	-0.0008	0.0061	-0.0674	-0.0057	0.0041	0.0001	0.0071	-0.0881	-0.0096	-0.0003	-0.0018	0.0149	-0.1068	-0.0095	0.0090	-0.0022	0.0000
Normal 16kV	0.0110	-0.0272	-0.0422	0.0016	0.0000	0.0081	-0.0304	-0.0433	0.0021	0.0000	0.0149	-0.0330	-0.0449	0.0030	0.0000	0.0171	-0.0344	-0.0448	0.0031	0.0000	0.0361	-0.0626	-0.0412	0.0040	0.0000	0.0000
Norma 12kV	0.0000	-0.1205	-0.0285	0.0015	0.0041	0.2403	-0.0168	-0.0222	0.0019	0.0002	0.2925	-0.1027	-0.0170	0.0012	-0.0013	0.0565	-0.1318	-0.0218	0.0007	0.0013	0.1194	-0.1478	-0.0269	0.0030	0.0000	0.0000
Noonka 12kV	0.0281	-0.0939	-0.0275	0.0066	0.0011	0.0208	-0.0942	-0.0214	0.0079	0.0007	0.0381	-0.0917	-0.0163	0.0069	-0.0017	0.0438	-0.1256	-0.0211	0.0028	-0.0040	0.0925	-0.1605	-0.0202	0.0127	-0.0004	0.0000
Nordic 12kV	0.0167	-0.0166	-0.0133	0.0019	0.0000	0.0124	-0.0186	-0.0095	0.0022	0.0000	0.0227	-0.0203	-0.0062	0.0014	0.0000	0.0261	-0.0281	-0.0092	-0.0029	0.0000	0.0551	-0.0364	-0.0089	0.0107	0.0000	0.0000
Nordina 4.16kV	0.0030	-0.0104	-0.0066	0.0064	0.0000	0.0023	-0.0122	-0.0039	0.0078	0.0000	0.0041	-0.0135	-0.0017	0.0058	0.0000	0.0000	-0.0025	-0.0037	-0.0048	0.0000	0.0000	-0.0272	-0.0037	0.0024	0.0000	0.0000
Norman 4.16kV	0.0032	-0.0208	-0.0110	0.0023	0.0000	0.0024	-0.0202	-0.0072	0.0028	0.0000	0.0044	-0.0184	-0.0040	0.0021	0.0000	0.0050	-0.0219	-0.0069	0.0017	0.0000	0.0106	-0.0231	-0.0068	0.0037	0.0000	0.0000
Normandie 4.16kV	0.0000	-0.0493	-0.0076	0.0022	0.0000	0.0000	-0.0598	-0.0046	0.0069	0.00																

Facility	2018					2019					2020					2021					2022					
	se Demand (MW)	PV (MW) ²¹	EE (MW) ²¹	EV (MW) ²¹	LMDR (MW) ²¹	se Demand (MW)	PV (MW) ²¹	EE (MW) ²¹	EV (MW) ²¹	LMDR (MW) ²¹	se Demand (MW)	PV (MW) ²¹	EE (MW) ²¹	EV (MW) ²¹	LMDR (MW) ²¹	se Demand (MW)	PV (MW) ²¹	EE (MW) ²¹	EV (MW) ²¹	LMDR (MW) ²¹	se Demand (MW)	PV (MW) ²¹	EE (MW) ²¹	EV (MW) ²¹	LMDR (MW) ²¹	
Oliver 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	0.0005	0.0000	-0.0077	-0.0077	0.0000	-0.0004	0.0000	-0.0085	-0.0071	0.0001	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
Olney 16kV	0.2191	-0.0379	-0.0369	0.0036	0.0081	0.0065	-0.0434	-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
Olson 16kV	0.0397	-0.0397	-0.0768	0.0010	0.0030	0.0030	-0.1032	-0.0646	0.0000	0.0000	0.1884	-0.1013	-0.0739	0.0011	0.0006	0.1547	-0.1139	-0.0739	0.0000	0.0000	0.0000	-0.1126	-0.0736	0.0020	-0.0009	0.0000
Olympiad 12kV	0.0056	-0.1147	-0.0151	0.0016	0.0005	0.0062	-0.1146	-0.0093	0.0177	-0.0002	0.0076	-0.1064	-0.0343	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
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	0.0158	-0.2267	-0.0155	0.0087	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	0.0265	-0.0759	-0.0540	0.0016	-0.0017	0.0317	-0.1807	-0.0562	-0.0007	0.0000	0.0670	-0.0066	-0.0520	0.0030	-0.0004	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
Omicron 12kV	0.0045	-0.0092	-0.0016	0.0013	0.0006	0.0034	-0.0092	-0.0013	0.0015	-0.0003	0.0061	-0.0098	-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	
Orange Blossom 12kV	3.1300	-1.1278	-0.0587	0.0025	0.0094	0.0114	-0.1178	-0.0564	0.0029	-0.0023	0.0209	-0.1213	-0.0553	0.0019	-0.0014	0.0340	-0.1427	-0.0578	-0.0024	-0.0018	0.0507	-0.1543	-0.0535	0.0069	-0.0022	0.0000
Orbiter 12kV	0.0594	-0.0490	-0.0278	0.0073	0.0022	0.0441	-0.0488	-0.0235	0.0080	0.0000	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
Orion 12kV	0.0032	-0.0945	-0.0487	0.0004	0.0023	0.0024	-0.0875	-0.0449	0.0000	-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
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	-0.0013	0.0043	0.0000	0.0092	-0.0296	-0.0024	-0.0105	0.0000	0.0194	-0.0361	-0.0024	0.0076	0.0000	
Opportunity 16kV	0.0398	-0.0492	-0.0499	0.0015	0.0054	0.2709	-0.0535	-0.0462	0.0018	-0.0006	0.5937	-0.0567	-0.0434	0.0016	-0.0018	0.6826	-0.0691	-0.0463	0.0006	0.0000	1.4427	-0.0842	-0.0436	0.0029	-0.0009	0.0000
Ora 4.16kV	0.0038	-0.0231	-0.0056	0.0030	0.0000	0.0028	-0.0235	-0.0034	0.0034	0.0000	0.0051	-0.0234	-0.0015	0.0024	0.0000	0.0059	-0.0341	-0.0032	-0.0055	0.0000	0.0125	-0.0456	-0.0032	0.0040	0.0000	
Orange Blossom 12kV	3.1300	-1.1278	-0.0587	0.0025	0.0094	0.0114	-0.1178	-0.0564	0.0029	-0.0023	0.0209	-0.1213	-0.0553	0.0019	-0.0014	0.0340	-0.1427	-0.0578	-0.0024	-0.0018	0.0507	-0.1543	-0.0535	0.0069	-0.0022	0.0000
Orbiter 12kV	0.0594	-0.0490	-0.0278	0.0073	0.0022	0.0441	-0.0488	-0.0235	0.0080	0.0000	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
Orchardside 12kV	0.0170	-0.0527	-0.0312	0.0024	0.0000	0.0026	-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	
Orchid 4.16kV	0.0037	-0.0132	-0.0061	0.0046	0.0000	0.0017	-0.0136	-0.0035	0.0056	0.0000	0.0050	-0.0136	-0.0012	0.0042	0.0000	0.0058	-0.0200	-0.0032	-0.0034	0.0000	0.0122	-0.0271	-0.0032	0.0074	0.0000	
Oregon 4.16kV	0.0038	-0.0063	-0.0059	0.0006	0.0024	0.0028	-0.0067	-0.0051	0.0007	-0.0001	0.0051	-0.0067	-0.0044	0.0004	0.0005	-0.0004	0.0059	-0.0083	-0.0051	-0.0001	0.0000	0.0125	-0.0094	-0.0048	0.0011	0.0000
Oriole 12kV	0.0086	-0.0570	-0.0457	0.0009	-0.0022	0.0064	-0.0613	-0.0417	0.0011	0.0001	0.0117	-0.0638	-0.0385	0.0014	-0.0013	0.0134	-0.0781	-0.0410	0.0004	-0.0009	0.0283	-0.0939	-0.0392	0.0025	-0.0004	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
Orion 33kV	0.0089	-0.1064	-0.0243	0.0120	0.0000	0.0066	-0.1061	-0.0148	0.0000	0.0000	0.0000	-0.1136	-0.0091	0.0110	0.0000	0.0138	-0.1510	-0.0060	-0.0004	0.0000	0.0292	-0.0164	-0.0166	0.0019	0.0000	
Oriens 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	0.0200	-0.0270	-0.0035	-0.0013	0.0000	0.0233	-0.0035	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	0.0000	0.0000	0.0000	0.0000	-0.0025	-0.0001	0.0000	0.0000	0.0000	-0.0030	-0.0001	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	0.0000	-0.0186	-0.0034	0.0019	-0.0002	0.0000	-0.0265	-0.0049	-0.0002	0.0000	0.0000	-0.0329	-0.0048	0.0042	0.0000	
Orvil 12kV	0.0045	-0.0535	-0.0407	0.0016	0.0124	0.0034	-0.0568	-0.0395	0.0020	-0.0016	0.0061	-0.0585	-0.0387	0.0024	-0.0068	0.0071	-0.0669	-0.0391	0.0005	-0.0013	0.0149	-0.0747	-0.0371	0.0032	-0.0004	0.0000
Osgood 4.16kV	0.0038	-0.0224	-0.0084	0.0022	0.0000	0.0028	-0.0225	-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	
Oslu 12kV	0.0200	-0.1457	-0.0246	0.0073	0.0008	0.2000	-0.1472	-0.0171	0.0085	0.0015	0.0418	-0.1392	-0.0108	0.0074	-0.0021	0.0418	-0.1818	-0.0165	-0.0030	-0.0004	0.0418	-0.2105	-0.0167	0.0019	-0.0022	0.0000
Oster 12kV	0.0553	-0.1122	-0.0302	0.0007	0.0011	0.0321	-0.1089	-0.0240	0.0008	-0.0014	0.0130	-0.0998	-0.0187	0.0005	-0.0024	0.0379	-0.1188	-0.0232	-0.0001	-0.0044	0.0401	-0.1274	-0.0226	0.0012	-0.0053	0.0000
Ostran 4.16kV	0.0040	-0.0204	-0.0074	0.0010	0.0021	-0.0029	-0.0206	-0.0053	0.0012	-0.0004	0.0054	-0.0202	-0.0036	0.0008	0.0006	0.0062	-0.0279	-0.0052	-0.0002	0.0000	0.0130	-0.0363	-0.0050	0.0018	-0.0004	0.0000
Otis 16kV	0.0919	-0.1023	-0.0739	0.0017	0.0109	0.0682	-0.1141	-0.0699	0.0021	-0.0017	0.1245	-0.1208	-0.0672	0.0018	-0.0010	0.1016	-0.1560	-0.0708	0.0008	-0.0009	0.2148	-0.1892	-0.0661	0.0034	-0.0027	0.0000
O'Toole 12kV	0.0203	-0.0756	-0.0329	0.0051	0.0015	0.0151	-0.0782	-0.0271	0.0057	-0.0011	0.0276	-0.0754	-0.0224	0.0041	-0.0006	0.0317	-0.0929	-0.0271	-0.0002	-0.0018	0.0670	-0.1023	-0.0256	0.0089	-0.0018	0.0000
Otter 12kV	0.0235	-0.0704	-0.0499	0.0039	0.0002	0.0174	-0.0736	-0.0460	0.0044	-0.0004	0.0318	-0.0748	-0.0432	0.0031	-0.0001	0.0366	-0.0938	-0.0465	-0.0004	-0.0013	0.0773	-0.1146	-0.0435	0.0068	0.0000	
Otto 4.16kV	0.0007	-0.0377	-0.0043	0.0025	0.0000	0.0005	-0.0009	-0.0025	0.0028	0.0012	0.0010	-0.0036	-0.0010	0.0000	0.0000	0.0011	-0.0546	-0.0023	-0.0002	0.0009	0.0024	-0.0568	-0.0023	0.0043	0.0000	
Ottawa 12kV	0.0000	-0.0676	-0.0527	0.0026	0.0061	0.0000	-0.0723	-0.0475	0.0029	-0.0012	0.0000	-0.0759	-0.0436	0.0021	-0.0017	0.0000	-0.0981	-0.0480	-0.0002	-0.0027	0.0000	-0.1235	-0.0451	0.0045	-0.0027	0.0000
Quince 12kV	0.0108	-0.0227	-0.0169	0.0027	-0.0013	0.0080	-0.0208	-0.0133	0.0031	-0.0008	0.0146	-0.0190	-0.1003	0.0020	-0.0015	0.0168	-0.0215	-0.0131	-0.0026	-0.0031	0.0355	-0.0233	-0.0125	0.0042	-0.0004	0.0000
Quintaw 12kV	0.0487	-0.0173	-0.0086	0.0007	0.0002	0.0361	-0.0173	-0.0068	0.0009	0.0004	0.0659	-0.0169	-0.0502	0.0011	-0.0006	0.0758	-0.0223	-0.0067	0.0002	-0.0004	0.1602	-0.0278	-0.0064	0.0014	-0.0004	0.0000
Quipost 12kV	0.0581	-0.0626	-0.0179	0.0016	0.0002	0.0431	-0.0591	-0.0107	0.0018	-0.0013	0.0787	-0.0542	-0.0045	0.0000	0.0005	-0.0723	-0.0099	-0.0015	-0.0013	0.1912	-0.0885	-0.0100	0.0024	-0.0009	0.0000	
Quitterger 12kV	0.0085	-0.0530	-0.0236	0.0125	0.0000	0.0063	-0.0539	-0.0152	0.0142	0.0000	0.0116	-0.0540	-0.0080	0.0098	0.0000	0.0										

Facility	2018					2019					2020					2021					2022				
	se Demand (MW)	PV (MW) ²¹	EE (MW) ²¹	EV (MW) ²¹	LMDR (MW) ²¹	se Demand (MW)	PV (MW) ²¹	EE (MW) ²¹	EV (MW) ²¹	LMDR (MW) ²¹	se Demand (MW)	PV (MW) ²¹	EE (MW) ²¹	EV (MW) ²¹	LMDR (MW) ²¹	se Demand (MW)	PV (MW) ²¹	EE (MW) ²¹	EV (MW) ²¹	LMDR (MW) ²¹	se Demand (MW)	PV (MW) ²¹	EE (MW) ²¹	EV (MW) ²¹	LMDR (MW) ²¹
Pan Pacific 16kV	0.0811	-0.0445	-0.0525	0.0030	0.0091	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	-0.0004	0.2672	-0.0740	-0.0459	0.0069	0.0000
Panama 12kV	0.1490	-0.0948	-0.0566	0.0058	0.0046	-0.0975	-0.0532	0.0066	0.0006	0.0084	-0.0976	-0.0510	0.0046	-0.0017	0.0096	-0.1258	-0.0548	-0.0005	-0.0031	0.0204	-0.1547	-0.0504	0.0101	-0.0018	0.0000
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	-0.0341	-0.0317	0.0039	0.0047	0.0134	-0.0213	-0.0291	0.0026	-0.0043	0.0243	-0.0863	-0.0312	0.0043	-0.0014	0.0081	-0.0638	-0.0299	0.0004	-0.0031	0.1218	-0.0284	0.0071	0.0000	0.0000
Pandora 12kV	1.5000	-0.0402	-0.0394	0.0012	0.0000	0.0050	-0.0442	-0.0384	0.0015	0.0000	0.0091	-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	0.0022	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
Panhandle 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	0.0000	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	-0.0008	0.0050	-0.0139	-0.0028	0.0033	0.0001	0.0058	-0.0198	-0.0042	-0.0004	0.0000	0.0122	-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
Panther 12kV	0.0065	-0.0423	-0.0750	0.0010	0.0066	0.0048	-0.0474	-0.0770	0.0012	-0.0001	0.0080	-0.0515	-0.0799	0.0011	-0.0001	0.0092	-0.0538	-0.0797	0.0004	0.0000	0.0194	-0.0564	-0.0731	0.0020	0.0000
Papaya 4.16kV	0.0000	0.0000	-0.0046	-0.0016	0.0005	0.0000	0.0000	-0.0045	-0.0009	0.0006	0.0000	0.0000	-0.0044	0.0003	0.0000	0.0118	-0.0061	-0.0008	-0.0008	0.0000	0.0249	-0.0078	-0.0008	0.0007	0.0000
Paposee 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	0.0000	0.1311	-0.0594	-0.0599	0.0004	0.0000	0.0278	-0.0688	-0.0552	0.0018	-0.0004
Pappas 33kV	0.0293	-0.0002	-0.0004	0.0009	0.0000	0.0017	-0.0002	-0.0004	0.0011	0.0000	0.0397	-0.0002	-0.0004	0.0014	0.0000	0.0456	-0.0003	-0.0004	0.0003	0.0000	0.0964	-0.0003	-0.0004	0.0018	0.0000
Par 2.4kV	0.0000	-0.0008	-0.0002	0.0003	0.0000	0.0000	-0.0007	-0.0001	0.0003	0.0000	0.0000	-0.0006	0.0000	0.0000	0.0000	0.0000	-0.0008	-0.0001	-0.0004	0.0000	0.0000	-0.0009	-0.0001	0.0004	0.0000
Paradise 16kV	0.0255	-0.0075	-0.0121	0.0072	0.0006	0.0190	-0.0658	-0.0082	0.0081	0.0017	0.0346	-0.0609	-0.0048	0.0053	-0.0024	0.0398	-0.0791	-0.0078	-0.0068	-0.0018	0.0841	-0.0923	-0.0077	0.0110	-0.0004
Parafine 16kV	0.0652	-0.0207	-0.0280	0.0005	0.0040	0.0484	-0.0227	-0.0081	0.0006	0.0060	0.0884	-0.0244	-0.0277	0.0008	-0.0009	0.0106	-0.0281	-0.0287	-0.0026	-0.0004	0.2148	-0.0327	-0.0080	0.0015	-0.0013
Paragon 12kV	0.4800	-0.2085	-0.0197	0.0097	0.0000	0.3650	-0.2187	-0.0019	0.0019	0.0000	0.0283	-0.2106	-0.0063	0.0088	0.0000	0.0283	-0.2772	-0.0119	0.0072	0.0000	0.0283	-0.3158	-0.0177	0.0157	0.0000
Paramount 4.16kV	0.0007	-0.0167	-0.0042	0.0017	0.0000	0.0005	-0.0178	-0.0025	0.0019	0.0000	0.0010	-0.0174	-0.0011	0.0013	0.0000	0.0011	-0.0233	-0.0024	-0.0030	0.0000	0.0024	-0.0268	-0.0024	0.0022	0.0000
Parcela 12kV	0.0602	-0.0635	-0.0152	0.0030	-0.0001	0.0447	-0.0575	-0.0097	0.0034	-0.0001	0.0816	-0.0474	-0.0098	0.0024	-0.0008	0.0938	-0.0584	-0.0091	-0.0003	-0.0003	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	-0.0141	-0.0001	-0.0004	0.0338	-0.0498	-0.0130	0.0017	-0.0013
Parina 12kV	0.0182	-0.0482	-0.0357	0.0058	0.0042	0.0135	-0.1050	-0.0320	0.0066	-0.0015	0.0246	-0.1014	-0.0291	0.0047	-0.0034	0.0283	-0.1300	-0.0324	-0.0005	-0.0031	0.0598	-0.1538	-0.0303	0.0102	-0.0031
Parisdale 12kV	0.0095	-0.0462	-0.0315	0.0015	0.0048	0.0405	-0.0466	-0.0382	0.0017	-0.0001	0.0265	-0.0457	-0.0057	0.0013	-0.0011	0.0304	-0.0564	-0.0049	-0.0004	0.0000	0.0643	-0.0264	-0.0267	0.0027	0.0000
Parkmore 16kV	0.0255	-0.0855	-0.0385	0.0003	0.0000	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	0.0020	0.0044	0.0350	-0.0395	-0.0167	0.0074	-0.0001	0.0638	-0.0391	-0.0139	0.0021	-0.0019	0.0734	-0.0516	-0.0166	0.0008	-0.0022	0.1551	-0.0645	-0.0157	0.0038	-0.0013
Parkway 12kV	0.0357	-0.0689	-0.0206	0.0061	-0.0003	0.0245	-0.0680	-0.0160	0.0020	-0.0012	0.0446	-0.0655	-0.0121	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	-0.0455	-0.0345	0.0141	0.0000	2.5444	-0.0504	-0.0334	0.0159	0.0000	0.0263	-0.0533	-0.0328	0.0105	0.0000	0.0303	-0.0615	-0.0339	-0.0210	0.0000	0.0640	-0.0683	-0.0316	0.0197	0.0000
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	-0.0425	0.0193	-0.0084	0.0171	-0.0913	-0.0498	0.0079	0.0000	0.0361	-0.1025	-0.0469	0.0356	0.0000
Parsons 4.16kV	0.0076	-0.0025	-0.0044	0.0005	0.0023	0.0048	-0.0023	-0.0035	0.0006	-0.0009	0.0103	-0.0022	-0.0029	0.0004	-0.0005	0.0118	-0.0023	-0.0035	-0.0001	0.0000	0.0219	-0.0023	-0.0034	0.0000	0.0000
Parrot 12kV	0.0086	-0.0559	-0.0644	0.0016	0.0133	0.0064	-0.0615	-0.0642	0.0020	0.0000	0.0157	-0.0659	-0.0647	0.0027	0.0011	0.0134	-0.0715	-0.0644	0.0064	0.0000	0.0283	-0.0782	-0.0606	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	0.0668	-0.0409	-0.0063	0.0077	0.0001	0.0653	-0.0455	-0.0107	-0.0100	0.0000	0.1380	-0.0456	-0.0106	0.0162	-0.0013
Parton 4.16kV	0.0023	-0.0176	-0.0076	0.0016	0.0000	0.0017	-0.0182	-0.0044	0.0020	0.0000	0.0032	-0.0182	-0.0017	0.0015	0.0000	0.0037	-0.0265	-0.0041	-0.0012	0.0000	0.0000	-0.0358	-0.0041	0.0027	0.0000
Pasaglen 4.16kV	0.0000	-0.0124	-0.0027	0.0041	0.0000	0.0000	-0.0134	-0.0018	0.0047	0.0001	0.0000	-0.0136	-0.0011	0.0033	-0.0002	0.0000	-0.0192	-0.0017	-0.0004	0.0000	0.0000	-0.0242	-0.0017	0.0072	0.0000
Pascal 12kV	0.0602	-0.0787	-0.0249	0.0068	0.0007	0.0447	-0.0703	-0.0187	0.0077	-0.0010	0.0816	-0.0612	-0.0134	0.0050	-0.0016	0.0938	-0.0739	-0.0183	-0.0064	-0.0013	0.1984	-0.0832	-0.0175	0.0104	-0.0027
Pascos 2.4kV	0.0065	-0.0015	-0.0014	0.0002	0.0000	0.0048	-0.0014	-0.0009	0.0002	0.0000	0.0067	-0.0008	-0.0004	0.0000	0.0000	0.0100	-0.0010	-0.0008	-0.0002	0.0000	0.0012	-0.0012	-0.0008	0.0003	0.0000
Pasco 12kV	0.0471	-0.1908	-0.0369	0.0027	0.0000	0.0350	-0.1593	-0.0308	0.0032	-0.0016	0.0836	-0.1264	-0.0259	0.0028	-0.0009	0.0734	-0.1426	-0.0307	0.0012	-0.0027	0.1551	-0.1461	-0.0052	0.0052	-0.0031
Pass 12kV	0.0081	-0.0675	-0.0642	0.0007	0.0026	0.0060	-0.0727	-0.0626	0.0009	0.0010	0.0110	-0.0741	-0.0622	0.0008	-0.0016	0.0126	-0.0864	-0.0644	0.0003	0.0000	0.0267	-0.0951	-0.0594	0.0124	0.0000
Pat 16kV	0.0000	-0.1220	-0.0806	0.0071	0.0141	0.0000	-0.1421	-0.0770	0.0081	-0.0016	0.0000	-0.1568	-0.0749	0.0057	-0.0002	0.0000	-0.2166	-0.0784	-0.0006	-0.0018	0.0000	-0.2772	-0.0729	0.0124	-0.0018
Pate 12kV	0.7304	-0.0699	-0.0446	0.0047	-0.0036	0.0174	-0.0728	-0.0408	0.0053	0.0010	0.0318	-0.0741	-0.0381	0.0034	-0.0023	0.0366	-0.0940	-0.0415	-0.0044	-0.0004	0.0773	-0.1157	-0.0387	0.0072	0.0000
Paternio 12kV	0.0086	-0.0457	-0.0549	0.0015	0.0008	0.0064	-0.0444	-0.0509	0.0018	-0.0016	0.0117	-0.0432	-0.0048	0.0016	-0.0055	0.0135	-0.0466	-0.0519	0.0004	0.0000	0.0284	-0.0491	-0.0482	0.0029	-0.0004
Pathe 16kV	0.0081	-0.0600	-0.0878	0.0017	0.0000	0.0000	-0.0625	-0.0332	0.0021	0.0000	0.0109	-0.0612	-0.0323	0.0031	0.000										

Facility	2018					2019					2021					2022									
	se Demand (MW)	PV (MW) ¹⁸	EE (MW) ¹⁸	EV (MW) ¹⁸	LMDR (MW) ¹⁸	se Demand (MW)	PV (MW) ¹⁹	EE (MW) ¹⁹	EV (MW) ¹⁹	LMDR (MW) ¹⁹	se Demand (MW)	PV (MW) ²¹	EE (MW) ²¹	EV (MW) ²¹	LMDR (MW) ²¹	se Demand (MW)	PV (MW) ²²	EE (MW) ²²	EV (MW) ²²	LMDR (MW) ²²					
Peralta 12kV	0.0087	-0.0099	-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	-0.0009	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	-0.0133	-0.0032	0.0000	0.0000
Perris 12kV	0.0017	-0.0547	-0.0283	0.0023	0.0051	0.0012	-0.0595	-0.0238	0.0005	-0.0014	0.0023	-0.0620	-0.0240	0.0028	-0.0011	0.0026	-0.0786	-0.0236	-0.0004	0.0000	0.0236	-0.0984	-0.0244	0.0023	-0.0009
Perris 12kV	0.0254	-0.0299	-0.0105	0.0002	0.0030	0.0188	-0.0254	-0.0087	0.0003	-0.0020	0.0244	-0.0209	-0.0074	0.0002	0.0002	0.0395	-0.0222	-0.0087	0.0001	0.0000	0.0835	-0.0218	-0.0083	0.0000	-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	-0.0400	-0.0258	0.0082	-0.0024	0.0073	-0.1403	-0.0303	-0.0105	-0.0009	0.0153	-0.1703	-0.0285	0.0171	-0.0004
Peso 12kV	0.0325	-0.0749	-0.0300	0.0017	0.0000	0.0241	-0.0739	-0.0254	0.0020	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	-0.0006	0.0006	0.0000	0.0711	-0.0602	-0.0096	0.0028	-0.0009
Pete 12kV	0.0045	-0.0609	-0.0205	0.0032	0.0023	0.0034	-0.0620	-0.0141	0.0038	-0.0025	0.0061	-0.0621	-0.0086	0.0033	-0.0016	0.0071	-0.0809	-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	-0.0089	0.0002	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	-0.0040	0.0406	-0.0869	-0.0240	0.0028	-0.0013	0.0467	-0.1212	-0.0295	-0.0003	-0.0022	0.0987	-0.1586	-0.0280	0.0062	-0.0013
Petrol 16kV	0.0771	-0.0285	-0.0308	0.0014	-0.0002	0.0163	-0.0319	-0.0305	0.0017	-0.0013	0.0267	-0.0346	-0.0305	0.0024	0.0001	0.0341	-0.0366	-0.0302	-0.0004	0.0721	-0.0393	-0.0288	0.0041	-0.0004	
Pettis 12kV	0.0186	-0.0354	-0.0223	0.0036	0.0009	0.0138	-0.0277	-0.0179	0.0043	0.0001	0.0252	-0.0217	-0.0143	0.0037	-0.0002	0.0289	-0.0214	-0.0178	0.0015	-0.0009	0.0612	-0.0205	-0.0169	0.0069	-0.0018
Pheasant 12kV	0.0108	-0.0664	-0.0019	0.0016	0.0001	0.0080	-0.0685	-0.0083	0.0019	-0.0001	0.0146	-0.0664	-0.0094	0.0017	0.0001	0.0168	-0.0992	-0.0010	0.0007	-0.0004	0.0355	-0.1112	-0.0010	0.0030	-0.0004
Phillips 12kV	0.0000	-0.0627	-0.0345	0.0015	0.0003	0.0000	-0.0587	-0.0001	0.0017	-0.0013	0.0000	-0.0532	-0.0313	0.0000	0.0000	0.0000	-0.0533	-0.0001	-0.0004	0.0000	0.0568	-0.0309	0.0026	0.0000	0.0000
Phoenix 12kV	0.0067	-0.0337	-0.0162	0.0063	0.0008	0.0050	-0.0340	-0.0125	0.0071	-0.0008	0.0090	-0.0335	-0.0094	0.0046	-0.0006	0.0104	-0.0450	-0.0124	-0.0060	-0.0013	0.0220	-0.0570	-0.0118	0.0097	-0.0004
Physician 12kV	0.0138	-0.0762	-0.1137	0.0004	0.0000	0.0103	-0.0883	-0.1167	0.0005	0.0000	0.0187	-0.0926	-0.1211	0.0003	0.0000	0.0215	-0.0450	-0.1208	-0.0004	0.0000	0.0455	-0.1015	-0.1109	0.0006	0.0000
Piano 12kV	0.0221	-0.0780	-0.0359	0.0171	0.0015	0.0164	-0.0842	-0.0332	0.0193	0.0000	0.0299	-0.0877	-0.0314	0.0125	0.0002	0.0344	-0.1175	-0.0339	-0.0161	-0.0009	0.0726	-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	0.0881	-0.1703	-0.0154	0.0076	0.0000	0.0956	-0.2472	-0.0229	-0.0062	0.0000	0.2020	-0.3408	-0.0222	0.0135	0.0000
Piccolo 12kV	0.0221	-0.0481	-0.0625	0.0029	0.0016	0.0164	-0.0519	-0.0621	0.0037	-0.0017	0.0299	-0.0544	-0.0626	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	0.0581	-0.0881	-0.0286	0.0041	0.0007	0.0136	-0.0917	-0.0171	0.0047	0.0007	0.0247	-0.0408	-0.0037	0.0043	0.0000	0.0341	-0.0443	-0.0039	-0.0012	0.0000	0.0711	-0.0218	-0.0014	0.0018	0.0000
Pickens 16kV	0.0584	-0.0720	-0.0173	0.0079	0.0041	0.0434	-0.0756	-0.0149	0.0089	-0.0012	0.0792	-0.0567	-0.0130	0.0063	-0.0006	0.0910	-0.1062	-0.0540	-0.0007	-0.0009	0.1924	-0.1331	-0.0141	0.0038	-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	-0.0002	0.0000	0.0169	-0.0059	-0.0067	0.0003	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	-0.0002	0.0000	0.0241	-0.0103	-0.0025	0.0001	0.0000
Picomi 12kV	0.0094	-0.0544	-0.0201	0.0097	0.0031	0.0070	-0.0502	-0.0152	0.0110	-0.0006	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	-0.0100	0.0022	-0.0004	0.0157	-0.0268	-0.0022	-0.0003	-0.0018	0.0333	-0.0352	-0.0022	0.0049	-0.0004
Piedra 12kV	0.0040	-0.0630	-0.0231	0.0030	0.0008	0.0029	-0.0574	-0.0174	0.0034	-0.0033	0.0054	-0.0574	-0.0174	0.0034	-0.0033	0.0054	-0.0601	-0.0171	-0.0003	-0.0004	0.0311	-0.0662	-0.0164	0.0053	0.0000
Pierston 33kV	12.9940	-0.0017	-0.0010	0.0002	0.0000	0.0000	-0.0019	-0.0010	0.0001	0.0000	100.9880	-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	-0.0683	0.0017	0.0145	0.0066	-0.0495	-0.0695	0.0019	-0.0028	0.0120	-0.0525	-0.0717	0.0014	0.0007	0.0030	-0.0522	-0.0719	-0.0020	0.0000	0.0292	-0.0585	-0.0661	0.0030	0.0000
Pike 12kV	0.0075	-0.0563	-0.0414	0.0027	0.0078	0.0056	-0.0613	-0.0386	0.0035	0.0005	0.0102	-0.0632	-0.0366	0.0041	-0.0008	0.0117	-0.0810	-0.0393	0.0008	0.0000	0.0247	-0.0961	-0.0365	0.0055	0.0000
Pilgrim 16kV	0.0000	-0.0489	-0.0450	0.0072	0.0000	0.0000	-0.0545	-0.0460	0.0002	0.0000	0.0000	-0.0500	-0.0460	0.0000	0.0000	0.0000	-0.0489	-0.0476	-0.0133	0.0000	0.0000	-0.0656	-0.0437	0.0095	0.0000
Pilot 12kV	0.0171	-0.0014	-0.0013	0.0005	0.0000	0.0127	-0.0016	-0.0013	0.0008	0.0000	0.0232	-0.0017	-0.0013	0.0010	0.0000	0.0267	-0.0018	-0.0013	0.0032	0.0000	0.0564	-0.0019	-0.0012	0.0019	0.0000
Pima 4.16kV	0.0076	-0.0245	-0.0022	0.0043	0.0006	0.0056	-0.0278	-0.0012	0.0048	0.0000	0.0103	-0.0301	-0.0094	0.0021	0.0000	0.0090	-0.0462	-0.0011	-0.0004	0.0000	0.0000	-0.0522	-0.0011	0.0059	0.0000
Pimento 4.16kV	0.0000	-0.0011	-0.0003	0.0001	0.0000	0.0000	-0.0010	-0.0002	0.0001	0.0001	0.0000	-0.0009	-0.0001	0.0001	0.0000	0.0000	-0.0010	-0.0002	0.0000	0.0000	0.0000	-0.0012	-0.0002	0.0002	0.0000
Pine Cove 12kV	0.0183	-0.0103	-0.0105	0.0026	0.0000	0.0136	-0.0096	-0.0087	0.0029	0.0000	0.0249	-0.0090	-0.0072	0.0019	0.0000	0.0286	-0.0090	-0.0087	-0.0038	0.0000	0.0604	-0.0099	-0.0082	0.0035	0.0000
Pineapple 12kV	0.0270	-0.1525	-0.0297	0.0055	0.0002	0.0200	-0.1536	-0.0236	0.0063	-0.0005	0.0366	-0.1474	-0.0186	0.0044	-0.0008	0.0420	-0.1963	-0.0234	-0.0005	-0.0035	0.0889	-0.2357	-0.0223	0.0097	-0.0031
Pinehurst 12kV	0.0041	-0.0431	-0.0089	0.0013	0.0000	0.0041	-0.0482	-0.0058	0.0015	0.0000	0.0041	-0.0504	-0.0031	0.0010	0.0000	0.0041	-0.0728	-0.0055	-0.0020	0.0000	0.0041	-0.0923	-0.0054	0.0018	0.0000
Pinewood 12kV	0.0419	-0.0961	-0.0302	0.0013	-0.0057	0.0129	-0.0806	-0.0241	0.0016	-0.0007	1.2956	-0.0645	-0.0191	0.0014	-0.0019	1.3360	-0.0697	-0.0239	0.0006	-0.0022	1.1380	-0.0683	-0.0227	0.0025	-0.0053
Pink 12kV	0.0058	-0.0089	-0.0038	0.0015	0.0000	0.0043	-0.0435	-0.0513	0.0020	0.0000	0.0079	-0.0474	-0.0233	0.0028	0.0000	0.0090	-0.0492	-0.0520	0.0006	0.0000	0.0191	-0.0520	-0.0086	0.0032	0.0000

Facility	2018					2019					2020					2021					2022				
	se Demand (MW)	PV (MW) ²¹	EE (MW) ²¹	EV (MW) ²¹	LMDR (MW) ²¹	se Demand (MW)	PV (MW) ²¹	EE (MW) ²¹	EV (MW) ²¹	LMDR (MW) ²¹	se Demand (MW)	PV (MW) ²¹	EE (MW) ²¹	EV (MW) ²¹	LMDR (MW) ²¹	se Demand (MW)	PV (MW) ²¹	EE (MW) ²¹	EV (MW) ²¹	LMDR (MW) ²¹	se Demand (MW)	PV (MW) ²¹	EE (MW) ²¹	EV (MW) ²¹	LMDR (MW) ²¹
Pomali 12kV	0.0235	-0.0610	-0.0518	0.0029	-0.0069	0.0174	-0.0640	-0.0472	0.0035	-0.0005	0.0318	-0.0653	-0.0438	0.0030	-0.0020	0.0366	-0.0810	-0.0476	0.0012	-0.0004	0.0773	-0.0983	-0.0446	0.0056	-0.0027
Pomery 4.16kV	0.0000	-0.0173	-0.0051	0.0007	0.0000	0.0000	-0.0210	-0.0030	0.0008	0.0000	0.0000	-0.0242	-0.0013	0.0006	0.0000	0.0000	-0.0385	-0.0028	-0.0005	0.0000	0.0000	-0.0542	-0.0028	0.0011	0.0000
Pond 12kV	0.4378	-0.1116	-0.0080	0.0003	0.0000	0.0513	-0.1010	-0.0081	0.0003	0.0000	0.0439	-0.1041	-0.0083	0.0002	0.0000	0.0505	-0.1047	-0.0083	-0.0004	0.0000	0.0711	-0.1055	-0.0079	0.0003	0.0000
Pondersville 16kV	0.0128	-0.1149	-0.0420	0.0167	0.0000	0.0096	-0.0056	-0.1008	0.0000	0.0000	0.0173	-0.1024	-0.0291	0.0101	0.0000	0.0199	-0.1258	-0.0249	-0.0348	0.0000	0.1459	-0.1459	-0.0348	0.0233	0.0000
Pontiac 12kV	0.0163	-0.0842	-0.0554	0.0062	-0.0025	0.0121	-0.0910	-0.0520	0.0069	0.0002	0.0200	-0.0939	-0.0497	0.0045	-0.0019	0.0253	-0.1186	-0.0531	-0.0058	-0.0018	0.0521	-0.1412	-0.0493	0.0094	-0.0018
Poodle 12kV	0.0051	-0.0436	-0.0614	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	0.0001	0.0000	0.0000	-0.0123	-0.0022	0.0001	-0.0002	0.0000	-0.0163	-0.0028	0.0000	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	-0.0020	0.0390	-0.0499	-0.0062	0.0003	0.0002	0.0449	-0.0711	-0.0079	0.0000	-0.0035	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	0.2955	-0.0594	-0.0422	0.0039	-0.0083	0.2939	-0.0742	-0.0442	0.0016	-0.0009	0.0620	-0.0907	-0.0412	0.0071	-0.0004
Porcelain 4.16kV	0.0000	-0.0050	-0.0018	0.0010	0.0000	0.0056	-0.0044	-0.0013	0.0013	0.0000	0.0039	-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	0.1128	-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	-0.0004	0.0004	-0.0008	0.0300	-0.0608	-0.0242	0.0003	-0.0036	0.0379	-0.0718	-0.0269	0.0000	0.0000	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	0.0000	0.9806	-0.0291	-0.0205	0.0005	0.0000	0.9926	-0.0303	-0.0200	0.0012	0.0000	0.1958	-0.0319	-0.0196	0.0009	0.0000
Portola 4.8kV	0.0000	-0.0072	-0.0087	0.0008	0.0003	0.0000	-0.0065	-0.0041	0.0009	0.0004	0.0000	-0.0057	-0.0029	0.0006	-0.0004	0.0000	-0.0066	-0.0040	0.0000	-0.0009	0.0000	-0.0072	-0.0039	0.0012	0.0000
Portuguese Bend 4.16kV	0.0000	-0.0025	-0.0005	0.0005	0.0000	0.0000	-0.0025	-0.0003	0.0006	0.0000	0.0000	-0.0024	-0.0001	0.0004	0.0000	0.0000	-0.0032	-0.0003	-0.0009	0.0000	0.0000	-0.0038	-0.0003	0.0007	0.0000
Posidon 12kV	0.0723	-0.0467	-0.0404	0.0002	0.0000	0.0612	-0.0523	-0.0401	0.0003	0.0000	0.0931	-0.0568	-0.0402	0.0004	0.0000	0.1071	-0.0593	-0.0396	0.0012	0.0000	0.2266	-0.0626	-0.0377	0.0007	0.0000
Poso Park 2.4kV	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	-0.0008	-0.0001	0.0000	-0.0004	0.0000	-0.0010	-0.0001	0.0000	0.0000
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	-0.0020	-0.0006	0.0000	0.0000	-0.0124	-0.0019	0.0006	0.0000
Potato 12kV	0.0432	-0.0694	-0.0279	0.0013	0.0029	0.0320	-0.0780	-0.0242	0.0015	-0.0002	0.0585	-0.0823	-0.0213	0.0013	-0.0011	0.0673	-0.1147	-0.0244	0.0005	-0.0018	0.1422	-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	-0.0035	0.0000	0.0000	0.0000	-0.0094	-0.0037	0.0000	0.0000	0.0000	-0.0099	-0.0037	0.0000	0.0000
Pottery 12kV	0.0107	-0.0364	-0.0207	0.0006	0.0050	0.0079	-0.0368	-0.0191	0.0007	-0.0003	0.0144	-0.0365	-0.0179	0.0006	0.0001	0.0166	-0.0411	-0.0192	0.0003	0.0000	0.0351	-0.0452	-0.0183	0.0011	-0.0009
Populy 12kV	0.0104	-0.0855	-0.0251	0.0092	0.0005	0.0077	-0.0817	-0.0167	0.0103	-0.0008	0.0141	-0.0753	-0.0094	0.0067	-0.0028	0.0162	-0.0985	-0.0169	-0.0086	0.0000	0.0342	-0.1188	-0.0157	0.0140	-0.0027
Power 12kV	-0.0124	-0.0424	-0.0468	0.0014	0.0110	0.0080	-0.0333	-0.0097	0.0016	-0.0134	0.0146	-0.0216	-0.0010	0.0000	0.0168	-0.0363	-0.0407	-0.0001	-0.0009	-0.0000	0.0000	-0.0386	-0.0019	0.0000	0.0000
Powroy 12kV	0.0110	-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	-0.1701	-0.0163	-0.0060	-0.0022	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	-0.0011	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	-0.0131
Power 4.16kV	0.0016	-0.0454	-0.0454	0.0051	0.0064	0.0012	-0.0579	-0.0388	0.0057	-0.0015	0.0021	-0.0870	-0.0334	0.0040	-0.0008	0.0022	-0.1000	-0.0389	-0.0005	-0.0000	0.0052	-0.1054	-0.0366	0.0088	-0.0040
Prado 16kV	0.0136	-0.0353	-0.0071	0.0005	0.0009	0.0101	-0.0326	-0.0046	0.0006	-0.0001	0.0000	-0.0294	-0.0025	0.0005	-0.0004	0.0000	-0.0378	-0.0044	0.0002	0.0000	0.0000	-0.0451	-0.0043	0.0009	-0.0031
Prado 16kV	0.0244	-0.0460	-0.0835	0.0016	0.0106	0.0181	-0.0514	-0.0857	0.0020	0.0001	0.0330	-0.0559	-0.0890	0.0023	-0.0020	0.0380	-0.0581	-0.0887	0.0005	0.0000	0.0803	-0.0612	-0.0814	0.0031	0.0000
Praine 12kV	0.0896	-0.0097	-0.0024	0.0001	0.0000	0.0641	-0.0106	-0.0023	0.0001	0.0000	0.1170	-0.0099	-0.0023	0.0000	0.0000	0.1345	-0.0198	-0.0023	0.0005	0.0000	0.2844	-0.0113	-0.0023	0.0003	0.0000
Pratt 12kV	0.2540	-0.0281	-0.0099	0.0005	0.0069	0.0080	-0.0276	-0.0083	0.0006	-0.0011	0.0146	-0.0265	-0.0070	0.0005	-0.0012	0.0202	-0.0326	-0.0083	0.0002	-0.0018	0.0355	-0.0380	-0.0080	0.0010	-0.0018
Prayer 12kV	0.0131	-0.0560	-0.0162	0.0028	0.0000	0.0097	-0.0525	-0.0112	0.0031	0.0000	0.0177	-0.0480	-0.0069	0.0021	0.0000	0.0204	-0.0612	-0.0107	-0.0041	0.0000	0.0430	-0.0725	-0.0105	0.0039	0.0000
Predator 12kV	0.0343	-0.0537	-0.0258	0.0007	0.0030	0.0254	-0.0581	-0.0208	0.0009	-0.0002	0.0464	-0.0589	-0.0167	0.0007	-0.0013	0.0534	-0.0798	-0.0207	0.0003	-0.0009	0.1128	-0.0966	-0.0196	0.0014	-0.0009
Prego 12kV	0.0182	-0.0699	-0.0142	0.0073	-0.0012	0.0135	-0.0693	-0.0096	0.0083	-0.0014	0.0246	-0.0665	-0.0057	0.0054	-0.0013	0.0283	-0.0882	-0.0091	0.0000	-0.0049	0.0598	-0.1083	-0.0091	0.0112	-0.0044
President 12kV	0.0254	-0.0684	-0.0405	0.0030	0.0017	0.0188	-0.0712	-0.0340	0.0037	0.0011	0.0344	-0.0714	-0.0287	0.0032	-0.0036	0.0395	-0.0943	-0.0340	0.0013	-0.0027	0.0836	-0.1169	-0.0321	0.0059	-0.0013
Presley 12kV	0.0040	-0.1194	-0.0283	0.0022	0.0019	0.0029	-0.0245	-0.0029	0.0025	0.0022	0.0259	-0.1129	-0.0215	0.0017	-0.0076	0.0262	-0.1428	-0.0147	-0.0002	-0.0001	0.0131	-0.1605	-0.0232	0.0038	0.0000
Preston 12kV	0.4749	-0.1138	-0.0221	0.0039	0.0003	0.0182	-0.0894	-0.0157	0.0050	-0.0006	0.0022	-0.0681	-0.0102	0.0059	-0.0019	0.0025	-0.0711	-0.0150	0.0012	-0.0022	0.0053	-0.0686	-0.0148	0.0079	-0.0018
Price 12kV	2.6448	-0.0393	-0.0542	0.0023	0.0039	0.0350	-0.0428	-0.0544	0.0026	-0.0004	0.0638	-0.0455	-0.0555	0.0018	-0.0011	0.0734	-0.0503	-0.0562	-0.0002	0.0000	0.1551	-0.0558	-0.0517	0.0040	-0.0004
Prida 12kV	0.0281	-0.0811	-0.0570	0.0017	0.0068	0.0208	-0.0943	-0.0544	0.0021	-0.0010	0.0381	-0.1052	-0.0528	0.0025	-0.0008	0.0438	-0.1433	-0.0549	0.0005	-0.0009	0.0925	-0.1845	-0.0515	0.0034	-0.0004
Primerio 12kV	0.0239	-0.0636	-0.0393	0.0061	0.0015	0.0155	-0.0627	-0.0364	0.0069	-0.0004	0.0324	-0.0558	-0.0343	0.0049	-0.0014	0.0373	-0.0629	-0.0370	-0.0006	0.0000	0.0746	-0.0675	-0.0435	0.0107	-0.0009
Primrose 16kV	0.0343	-0.0692	-0.0528	0.0019	0.0047	0.0275	-0.0720	-0.0459	0.0135	-0.0009	0.0465	-0.0737	-0.0403	0.0095	-0.0009	0.0535	-0.0910	-0.0455	-0.0011	-0.0018	0.1130	-0.1098	-0.0433	0.0208	-0.0018
Prince 16kV	0.0355	-0.0095	-0.0041	0.0004	0.0004	0.0263	-0.0106	-0.0034	0.0005	0.0000	0.0480	-0.0112	-0.0029	0.0004	0.0001	0.0									

Facility	2018					2019					2020					2021					2022				
	se Demand (MW)	PV (MW) ²¹	EE (MW) ²¹	EV (MW) ²¹	LMDR (MW) ²¹	se Demand (MW)	PV (MW) ²¹	EE (MW) ²¹	EV (MW) ²¹	LMDR (MW) ²¹	se Demand (MW)	PV (MW) ²¹	EE (MW) ²¹	EV (MW) ²¹	LMDR (MW) ²¹	se Demand (MW)	PV (MW) ²¹	EE (MW) ²¹	EV (MW) ²¹	LMDR (MW) ²¹	se Demand (MW)	PV (MW) ²¹	EE (MW) ²¹	EV (MW) ²¹	LMDR (MW) ²¹
Quincy 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	-0.0377	-0.0048	0.0091	0.0000	0.0139	-0.0324	-0.0031	0.0060	0.0000	0.0160	-0.1044	-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	-0.0348	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
Quince 12kV	0.0003	0.0003	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	0.0000	0.0000
Rabbit 12kV	0.0194	-0.0290	-0.0058	0.0000	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	2.5523	-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	-0.0903	0.0000	0.0000	0.0045	-0.0791	-0.0934	0.0000	0.0000	0.0101	-0.0868	-0.0934	0.0000	0.0000	0.0214	-0.0950	-0.0858	0.0019	0.0000
Racine 12kV	0.0005	-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	0.0000	0.0000	0.0149	-0.1124	-0.0588	0.0008	0.0000
Racquet Club 4.16kV	0.0038	-0.0023	-0.0020	0.0003	0.0000	0.0028	-0.0000	-0.0011	0.0003	-0.0009	0.0051	-0.0014	-0.0004	0.0002	-0.0004	0.0059	-0.0017	-0.0010	0.0000	-0.0004	0.0125	-0.0018	-0.0010	0.0045	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	-0.0410	0.0019	-0.0003	0.0071	-0.0823	-0.0417	0.0046	0.0000	0.0149	-0.0926	-0.0396	0.0034	0.0000
Radford 12kV	0.0283	-0.0999	-0.0353	0.0089	0.0037	0.0208	-0.1016	-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	-0.0029	-0.0014	0.0004	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	-0.0027	-0.0011	0.0000	0.0721	-0.0064	-0.0007	0.0023	0.0000
Radium 12kV	0.0216	-0.0128	-0.0192	0.0015	0.0015	0.0160	-0.0143	-0.0182	0.0018	0.0000	0.0293	-0.0155	-0.0175	0.0016	-0.0001	0.0336	-0.0182	-0.0186	0.0006	0.0000	0.0711	-0.0210	-0.0172	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	0.0300	-0.1092	-0.0178	0.0006	0.0000	0.0379	-0.1297	-0.0226	-0.0014	0.0000	0.9401	-0.1390	-0.0219	0.0010	0.0000
Rahall 12kV	0.0037	-0.0359	-0.0368	0.0028	0.0034	0.0027	-0.0372	-0.0352	0.0032	-0.0013	0.0050	-0.0375	-0.0342	0.0023	-0.0019	0.0057	-0.0426	-0.0360	-0.0003	-0.0009	0.0121	-0.0475	-0.0334	0.0049	-0.0027
Rahn 16kV	0.2191	-0.0375	-0.0432	0.0007	0.0005	0.0278	-0.0426	-0.0397	0.0010	0.0000	0.0508	-0.0456	-0.0447	0.0013	0.0000	0.0584	-0.0474	-0.0443	0.0031	0.0000	0.1234	-0.0500	-0.0144	0.0021	0.0000
Raiders 12kV	0.0000	-0.0720	-0.0296	0.0181	0.0000	0.0000	-0.0722	-0.0230	0.0203	0.0000	0.0000	-0.0717	-0.0175	0.0134	0.0000	0.0000	-0.0962	-0.0227	0.0000	0.0000	0.0000	-0.1219	-0.0217	0.0252	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	-0.0003	0.0263	-0.0456	-0.0128	-0.0001	0.0000	0.0556	-0.0496	-0.0125	0.0026	-0.0004
Raisin 12kV	0.0432	-0.0818	-0.0370	0.0026	0.0008	0.0320	-0.0919	-0.0332	0.0029	0.0006	0.0585	-0.0972	-0.0303	0.0019	-0.0020	0.0673	-0.1324	-0.0336	-0.0024	-0.0018	0.1422	-0.1607	-0.0314	0.0039	0.0000
Raleigh 4.16kV	0.0011	-0.0111	-0.0049	0.0048	0.0000	0.0008	-0.0122	-0.0029	0.0059	0.0000	0.0015	-0.0131	-0.0011	0.0044	0.0000	0.0018	-0.0199	-0.0027	-0.0036	0.0000	0.0037	-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	0.0635	-0.0422	-0.0217	0.0006	0.0002	0.0728	-0.0599	-0.0229	0.0001	0.0000	0.1539	-0.0794	-0.0213	0.0008	0.0000
Ramac 16kV	0.0578	-0.0606	-0.0174	0.0038	0.0000	0.0028	-0.0615	-0.0162	0.0050	0.0000	0.0051	-0.0602	-0.0153	0.0071	0.0000	0.0059	-0.0710	-0.0163	0.0014	0.0000	0.0124	-0.0794	-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	0.0230	-0.1657	-0.0160	0.0036	0.0000	0.0124	-0.1324	-0.0393	0.0000	0.0000	0.0124	-0.0794	-0.0158	0.0079	0.0000
Rambo 12kV	0.0031	-0.0639	-0.0182	0.0009	0.0000	0.0024	-0.0606	-0.0106	0.0011	0.0000	0.0074	-0.0560	-0.0041	0.0009	0.0000	0.0080	-0.0747	-0.0098	0.0000	0.1880	-0.0519	-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	-0.0035	0.0640	-0.2764	-0.0389	0.0322	-0.0022
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	-0.0000	-0.0000	0.0000	-0.0727	-0.0451	0.0200	-0.0004
Ramsey 4.16kV	0.0150	-0.0100	-0.0058	0.0010	0.0013	0.0112	-0.0103	-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	-0.0172	-0.0044	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	-0.1256	-0.0034	0.0050	-0.0004	0.0841	-0.1550	-0.0087	-0.0064	-0.0022	0.1355	-0.1745	-0.0088	0.0104	-0.0049
Rans 12kV	0.0035	-0.0305	-0.0204	0.0038	0.0000	0.0249	-0.0269	-0.0139	0.0043	0.0000	0.0419	-0.0235	-0.0084	0.0008	0.0000	0.0482	-0.0267	-0.0133	-0.0057	0.0000	0.0946	-0.0287	-0.0031	0.0053	0.0000
Ranch 12kV	0.0056	-0.0601	-0.0362	0.0029	0.0012	0.0042	-0.0612	-0.0330	0.0035	0.0006	0.0076	-0.0599	-0.0048	0.0030	-0.0016	0.0087	-0.0745	-0.0336	0.0012	-0.0004	0.0184	-0.0861	-0.0313	0.0055	-0.0004
Rand 12kV	0.1738	-0.1194	-0.0421	0.0009	0.0029	0.0362	-0.1267	-0.0416	0.0111	-0.0007	0.0661	-0.1248	-0.0018	0.0009	0.0001	0.0760	-0.1576	-0.0428	0.0004	0.0000	0.1607	-0.1774	-0.0395	0.0017	0.0000
Ranger 2.4kV	0.0000	-0.0049	-0.0022	0.0005	0.0000	0.0000	-0.0047	-0.0013	0.0006	0.0000	0.0000	-0.0045	-0.0005	0.0004	0.0000	0.0000	-0.0059	-0.0012	-0.0009	0.0000	0.0000	-0.0064	-0.0012	0.0007	0.0000
Ranier 12kV	0.0443	-0.0399	-0.0099	0.0030	0.0000	0.0408	-0.0357	-0.0070	0.0034	0.0000	1.1701	-0.0312	-0.0045	0.0042	0.0000	0.0690	-0.0384	-0.0068	-0.0045	0.0000	0.1458	-0.0046	-0.0066	0.0042	0.0000
Rankin 12kV	0.0000	-0.0050	-0.0006	0.0000	0.0000	0.0000	-0.0057	-0.0004	0.0000	0.0000	0.0000	-0.0061	-0.0002	0.0000	0.0000	0.0000	-0.0098	-0.0003	0.0000	0.0000	0.0000	-0.0137	-0.0003	0.0000	0.0000
Ransom 4.16kV	0.0038	-0.0202	-0.0060	0.0065	0.0000	0.0029	-0.0188	-0.0038	0.0038	0.0000	0.0052	-0.0161	-0.0018	0.0018	0.0000	0.0060	-0.0387	-0.0035	0.0034	0.0000	0.0126	-0.0193	-0.0035	0.0274	0.0000
Raspall 4.16kV	0.0076	-0.0046	-0.0062	0.0011	0.0001	0.0056	-0.0039	-0.0049	0.0012	0.0000	0.0103	-0.0035	-0.0038	0.0008	-0.0006	0.0118	-0.0036	-0.0048	-0.0010	-0.0013	0.0249	-0.0036	-0.0046	0.0016	-0.0004
Raptor 12kV	0.0000	-0.0036	-0.0027	0.0001	0.0000	0.0000	-0.0040	-0.0026	0.0001	0.0001	0.0000	-0.0043	-0.0025	0.0001	-0.0002	0.0000	-0.0047	-0.0024	-0.0001	0.0000	0.0000	-0.0052	-0.0024	0.0001	0.0000
Rasmussen 12kV	0.0506	-0.0413	-0.0413	0.0003	-0.0011	0.0375	-0.0459	-0.0405	0.0003	-0.0007	0.0686	-0.0497	-0.0398	0.0004	0.0009	0.0788	-0.0017	-0.0392	0.0010	0.0000	0.1666	-0.0546	-0.0379	0.0008	0.0000
Raton 4.16kV	0.0038	-0.0242	-0.0059	0.0042	0.0000	0.0228	-0.0247	-0.0034	0.0048	0.0000	0.0051	-0.0244	-0.0012	0.0033	0.0000	0.0059	-0.0358	-0.0031	-0.0078	0.0000	0.0125	-0.0482	-0.0031	0.0056	0.0000
Rattler 16kV	0.0015	-0.1309	-0.0189	0.0045	0.0000	0.0741	-0.1118	-0.0116	0.0050	0.0000	0.7420	-0.0903	-0.0053	0.0033	0.0000	0.0023	-0.1040	-0.0108	-0.0067	0.0000	0.0048	-0.1096	-0.0108	0.0062	0.0000
Rawen 12kV	0.0086	-0.0539	-0.0249	0.0011	0.0001	0.0068	-0.0588	-0.0451	0.0013	-0.0031	0.0117	-0.0621	-0.0430	0.0018	-0.0003	0.0134	-0.0718	-0.04							

Facility	2018				2019				2020				2021				2022								
	se Demand (MW)	PV (MW) ²¹	EE (MW) ²¹	EV (MW) ²¹	LMDR (MW) ²¹	se Demand (MW)	PV (MW) ²¹	EE (MW) ²¹	EV (MW) ²¹	LMDR (MW) ²¹	se Demand (MW)	PV (MW) ²¹	EE (MW) ²¹	EV (MW) ²¹	LMDR (MW) ²¹	se Demand (MW)	PV (MW) ²¹	EE (MW) ²¹	EV (MW) ²¹	LMDR (MW) ²¹					
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	-0.0065	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	-0.0045	-0.0056	0.0031	0.0001	0.0585	-0.0284	-0.0031	0.0022	-0.0000	0.0673	-0.0333	-0.0053	-0.0003	0.0000	0.1422	-0.0004	-0.0052	0.0048	-0.0004
Reverse Peak 12kV	0.0060	-0.0027	-0.0047	0.0001	0.0000	0.0074	-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	-0.0016	-0.0056	0.0017	0.0000	0.0036	-0.0006	-0.0009	0.0003	0.0000	0.0000	-0.0001	-0.0003	0.0001	0.0001	0.0011	-0.0021	-0.0030	-0.0002	0.0000	0.0024	-0.0021	-0.0011	0.0017	-0.0013
Rexford 4.16kV	0.0100	-0.0049	-0.0077	0.0001	0.0000	0.0044	-0.0059	-0.0079	0.0001	0.0000	0.0135	-0.0069	-0.0081	0.0001	0.0000	0.0155	-0.0074	-0.0081	0.0002	0.0000	0.0328	-0.0069	-0.0075	0.0002	0.0000
Rheem 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	0.0000	-0.0017	0.0000	-0.0476	-0.0408	0.0008	0.0000	0.0566	-0.0425	-0.0000	0.0000	0.0000	0.0000	-0.0671	-0.0397	0.0015	-0.0009
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	-0.0010	-0.0001	0.0000	0.0000	0.0000	-0.0008	-0.0009	0.0001	0.0000
Rhoads 12kV	0.0531	-0.0868	-0.0349	0.0021	0.0007	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
Rhodes 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	-0.0998	-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
Rhombus 16kV	0.0131	-0.1044	-0.0884	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	-0.0008	0.0000	0.0012	0.0012	0.0000	-0.0131	-0.0007	0.0071	0.0000
Richgrove 12kV	0.3438	-0.1514	-0.0085	0.0005	0.0000	0.0801	-0.1772	-0.0083	0.0008	0.0000	0.0768	-0.1016	-0.0082	0.0010	0.0000	0.0841	-0.0194	-0.0082	0.0023	0.0000	0.1777	-0.0205	-0.0082	0.0016	0.0000
Richman 4.16kV	0.0044	-0.0208	-0.0039	0.0038	0.0000	0.0053	-0.0208	-0.0003	0.0003	-0.0006	0.0000	-0.0184	-0.0001	0.0031	0.0000	0.0000	-0.0227	-0.0003	-0.0003	0.0000	0.0145	-0.0245	-0.0022	0.0067	-0.0004
Richson 4.16kV	0.0000	-0.0041	-0.0011	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	-0.0000	0.0000	0.0000	0.0000	-0.0000	-0.0000	0.0000	-0.0000
Rickenback 33kV	0.0644	0.0000	0.0000	0.0000	0.0000	0.0478	0.0000	0.0000	0.0000	0.0000	0.0872	0.0000	0.0000	0.0000	0.0000	0.1003	0.0000	0.0000	0.0000	0.0000	0.2120	0.0000	0.0000	0.0000	0.0000
Ricko 12kV	0.0067	-0.0853	-0.0266	0.0048	0.0002	0.0050	-0.0873	-0.0189	0.0058	-0.0019	0.0090	-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
Rickover 33kV	0.0352	-0.1611	-0.2714	0.0011	0.0000	0.0262	-0.1803	-0.2785	0.0012	0.0000	0.0477	-0.1958	-0.2891	0.0009	0.0000	0.0549	-0.2036	-0.2883	-0.0001	0.0000	0.1160	-0.2146	-0.2647	0.0019	0.0000
Ridge 12kV	0.0270	-0.1312	-0.0157	0.0001	0.0024	0.0200	-0.1314	-0.0153	0.0002	0.0010	0.0366	-0.0135	-0.0152	0.0001	-0.0003	0.0420	-0.0147	-0.0157	0.0000	0.0000	0.0889	-0.0161	-0.0145	0.0003	0.0000
Ridgeland 4.16kV	0.0112	-0.1043	-0.0065	0.0064	0.0000	0.0083	-0.1049	-0.0042	0.0072	0.0000	0.0152	-0.0150	-0.0023	0.0047	0.0000	0.0175	-0.0216	-0.0040	-0.0095	0.0000	0.0370	-0.0290	-0.0039	0.0009	0.0000
Ridgemoor 12kV	0.0040	-0.1492	-0.0236	0.0038	0.0024	0.0026	-0.0176	-0.0032	0.0012	0.0000	0.0056	-0.1317	-0.0012	0.0021	0.0000	0.0054	-0.1654	-0.0021	0.0000	0.0000	0.0131	-0.0172	-0.0146	0.0019	-0.0014
Rifle 12kV	0.1938	-0.0026	-0.0012	0.0001	0.0000	0.0000	-0.0029	-0.0012	0.0001	0.0000	0.0000	-0.0000	-0.0011	0.0002	0.0000	0.0841	-0.0033	-0.0012	0.0000	0.0000	0.1777	-0.0035	-0.0012	0.0002	0.0000
Rifle 12kV	0.0298	-0.0526	-0.0174	0.0016	0.0013	0.0021	-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
Riggs 4.16kV	0.0008	-0.0260	-0.0061	0.0029	0.0000	0.0026	-0.0294	-0.0041	0.0035	0.0000	0.0010	-0.0312	-0.0024	0.0026	0.0000	0.0012	-0.0449	-0.0349	0.0000	0.0000	0.0025	-0.0061	-0.0039	0.0046	0.0000
Riggs 12kV	0.0558	-0.0526	-0.0435	0.0003	0.0000	0.0464	-0.0589	-0.0427	0.0005	0.0000	0.0756	-0.0640	-0.0420	0.0007	0.0000	0.0869	-0.0665	-0.0411	0.0021	0.0000	0.1837	-0.0701	-0.0399	0.0012	0.0000
Riley 12kV	0.0088	-0.0294	-0.0311	0.0001	0.0030	0.0015	-0.0339	-0.0205	0.0002	0.0005	0.0119	-0.0370	-0.0305	0.0002	-0.0079	0.0137	-0.0478	-0.0314	0.0006	0.0000	0.0290	-0.0586	-0.0290	0.0004	0.0000
Rim 12kV	0.0040	-0.0175	-0.0156	0.0053	0.0000	0.0030	-0.0179	-0.0131	0.0059	0.0000	0.0054	-0.0180	-0.0110	0.0038	0.0000	0.0062	-0.0209	-0.0050	0.0000	0.0000	0.0231	-0.0214	-0.0124	0.0000	0.0000
Rimpu 4.16kV	0.0060	-0.0493	-0.0082	0.0027	0.0000	0.0044	-0.0457	-0.0063	0.0031	0.0007	0.0081	-0.0383	-0.0063	0.0002	-0.0016	0.0093	-0.0446	-0.0092	-0.0002	-0.0004	0.0197	-0.0447	-0.0059	0.0047	0.0000
Rimrock 12kV	0.0129	-0.0850	-0.0708	0.0053	0.0112	0.0096	-0.0936	-0.0695	0.0064	-0.0029	0.0174	-0.0997	-0.0646	0.0055	-0.0010	0.0200	-0.1292	-0.0714	0.0023	-0.0004	0.0424	-0.1612	-0.0659	0.0102	-0.0004
Rincon 4.16kV	0.0000	-0.0020	-0.0005	0.0009	0.0000	0.0000	-0.0020	-0.0003	0.0010	0.0000	0.0000	-0.0019	-0.0002	0.0000	0.0000	0.0000	-0.0024	-0.0003	-0.0009	0.0000	0.0000	-0.0027	-0.0003	0.0014	0.0000
Riner 16kV	0.0073	-0.0327	-0.0442	0.0024	-0.0004	0.0054	-0.0310	-0.0392	0.0029	-0.0006	0.0090	-0.0293	-0.0354	0.0026	0.0000	0.0104	-0.0304	-0.0397	0.0010	-0.0004	0.0188	-0.0010	-0.0371	0.0047	0.0000
Ringo 12kV	0.4997	-0.0959	-0.0535	0.0035	0.0000	0.0107	-0.1062	-0.0527	0.0108	0.0000	0.0325	-0.1132	-0.0528	0.0082	0.0000	0.0047	-0.1198	-0.0542	0.0236	0.0000	0.0099	-0.1267	-0.0500	0.0149	0.0000
Rinker 12kV	0.0242	-0.0702	-0.0637	0.0009	0.0031	0.0180	-0.0712	-0.0637	0.0010	0.0016	0.0328	-0.0707	-0.0609	0.0007	0.0010	0.0378	-0.0807	-0.0633	-0.0001	0.0000	0.0000	-0.0027	-0.0560	0.0015	-0.0009
Rio Grande 12kV	0.2387	-0.0648	-0.0287	0.0049	0.0000	0.0078	-0.0547	-0.0187	0.0055	0.0000	0.0106	-0.0458	-0.0102	0.0036	0.0000	0.1168	-0.0530	-0.0178	-0.0073	0.0000	0.2468	-0.0575	-0.0176	0.0068	0.0000
Riptide 16kV	2.7200	-0.1341	-0.1034	0.0233	0.0042	0.0000	-0.1374	-0.0982	0.0265	0.0013	0.0000	-0.1364	-0.0952	0.0187	-0.0024	0.0000	-0.1609	-0.1005	-0.0021	0.0000	0.0000	-0.1806	-0.0932	0.0408	-0.0004
Rita 4.16kV	0.0026	-0.0056	-0.0095	0.0001	0.0000	0.0020	-0.0063	-0.0097	0.0001	-0.0003	0.0036	-0.0069	-0.0100	0.0002	0.0000	0.0041	-0.0075	-0.0100	0.0000	0.0000	0.0087	-0.0082	-0.0092	0.0002	0.0000
Ritter 12kV	0.0382	-0.0409	-0.0302	0.0010	0.0000	0.0284	-0.0419	-0.0296	0.0012	0.0000	0.0518	-0.0422	-0.0296	0.0008	0.0000	0.0595	-0.0467	-0.0305	-0.0016	0.0000	0.1258	-0.0509	-0.0281	0.0015	0.0000
Riva 16kV	0.0409	-0.1993	-0.0318	0.0166	0.0000	0.0304	-0.1761	-0.0218	0.0189	0.0000	0.0555	-0.1473	-0.0132	0.0130	0.0000	0.0638	-0.1647	-0.0209	-0.0304	0.0000	0.1347	-0.1697	-0.0206	0.0219	0.0000
Rivard 12kV	0.0450	-0.0589	-0.0088	0.0006	-0.0076	0.0337	-0.0620	-0.0076	0.0008	0.0001	0.0616	-0.0608	-0.0049	0.0009	-0.0004	0.0708	-0.0826	-0.0074	0.0002	-0.0004	0.1496	-0.0987			

Facility	2018				2019				2020				2021				2022								
	se Demand (MW)	PV (MW) ¹⁸	EE (MW) ¹⁸	EV (MW) ¹⁸	LMDR (MW) ¹⁸	se Demand (MW)	PV (MW) ¹⁹	EE (MW) ¹⁹	EV (MW) ¹⁹	LMDR (MW) ¹⁹	se Demand (MW)	PV (MW) ²⁰	EE (MW) ²⁰	EV (MW) ²⁰	LMDR (MW) ²⁰	se Demand (MW)	PV (MW) ²¹	EE (MW) ²¹	EV (MW) ²¹	LMDR (MW) ²¹	se Demand (MW)	PV (MW) ²²	EE (MW) ²²	EV (MW) ²²	LMDR (MW) ²²
Rosemary 4.16kV	0.0007	-0.1179	-0.0068	0.0056	0.0000	0.0005	-0.1018	-0.0040	0.0064	0.0000	0.0009	-0.1092	-0.0016	0.0044	0.0000	0.0011	-0.0284	-0.0037	-0.1013	0.0000	0.0023	-0.0389	-0.0037	0.0074	0.0000
Rosemont 16kV	0.0584	-1.388	-0.0314	0.0132	0.0000	0.0434	-0.1455	-0.0259	0.0148	0.0000	0.0792	-0.1430	-0.0214	0.0098	0.0000	0.0910	-0.1895	-0.0259	-0.1917	0.0000	0.1924	-0.2258	-0.0245	0.0184	0.0000
Rosetta 12kV	0.0168	-0.0475	-0.0293	0.0025	-0.0037	0.0125	-0.0497	-0.0264	0.0051	-0.0022	0.0238	-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	-0.0108
Rosewood 4.16kV	0.0063	-0.0079	-0.0034	0.0003	0.0000	0.0049	-0.0047	-0.0078	0.0000	0.0000	0.0085	-0.0043	-0.0020	0.0003	0.0000	0.0000	-0.0020	-0.0025	0.0003	0.0000	0.0003	-0.0125	-0.0023	0.0003	0.0000
Rossil 12kV	0.0182	-0.0450	-0.0185	0.0023	0.0011	0.0135	-0.0419	-0.0028	0.0012	-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	-0.1040	0.0045	-0.0031
Rossmore 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	-0.0059
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	-0.0004	0.0398	-0.0860	-0.0422	-0.0000	0.0000	0.0840	-0.0002	-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	0.0003	-0.0106	-0.0139	0.0010	0.0008	0.0038	-0.0119	-0.0140	0.0001	0.0000	0.0069	-0.0129	-0.0143	0.0000	0.0000	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	-0.0023	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	-0.0383	-0.0112	0.0000	-0.0027	0.1518	-0.0381	-0.0108	0.0002	-0.0013
Roundel 12kV	1.8743	-0.0572	-0.0138	0.0054	0.0000	1.0045	-0.0097	0.0060	0.0000	0.0000	0.9000	-0.0451	-0.0062	0.0040	0.0000	0.5590	-0.0553	-0.0093	-0.0000	0.6458	-0.0026	-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	0.0009	0.0029	0.0000	0.0280	-0.0074	-0.0019	-0.0059	0.0000	0.0592	-0.0085	-0.0019	0.0005
Rowco 12kV	0.0042	-0.0035	-0.0077	0.0059	0.0000	0.0031	-0.0039	-0.0055	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
Rowe 12kV	0.0290	-0.0377	-0.0168	0.0007	0.0012	0.0215	-0.0375	-0.0133	0.0008	-0.0008	0.0392	-0.0363	-0.0104	0.0007	0.0001	0.0451	-0.0485	-0.0132	0.0003	0.0000	0.0954	-0.0608	-0.0125	0.0013	-0.0013
Rowland 4.16kV	0.0025	-0.0149	-0.0052	0.0045	0.0005	0.0019	-0.0154	-0.0030	0.0051	0.0000	0.0034	-0.0154	-0.0017	0.0034	0.0000	0.0039	-0.0225	-0.0091	-0.0067	0.0000	0.0083	-0.0302	-0.0000	0.0063	0.0000
Roxanne 12kV	0.0194	-0.0440	-0.0176	0.0243	0.0000	0.0020	-0.0144	-0.0074	0.0004	0.0004	0.0263	-0.0473	-0.0102	0.0178	-0.0010	0.0039	-0.0617	-0.0133	0.0029	-0.0018	0.0640	-0.0744	-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	0.0328	-0.0097	-0.0024	0.0012	0.0000
Royal Oaks 12kV	0.0000	-0.0362	-0.0374	0.0034	0.0038	0.0121	-0.0222	-0.0378	-0.0365	0.0000	0.0406	-0.0386	-0.0363	0.0025	-0.0003	0.0467	-0.0437	-0.0075	-0.0032	-0.0004	0.0986	-0.0478	-0.0346	0.0052	0.0000
Royce 4.16kV	0.0000	0.0000	0.0000	0.0003	0.0000	0.0000	0.0000	0.0000	0.0004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-0.0003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Roycroft 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	-0.0035	-0.0115	0.0000	0.0000	-0.0417	-0.0036	0.0000	0.0000
Ruby 12kV	0.0085	-0.0578	-0.0273	0.0014	-0.0016	0.0049	-0.0630	-0.0718	0.0017	-0.0031	0.0089	-0.0664	-0.0722	0.0023	0.0020	0.0102	-0.0703	-0.0727	0.0055	0.0000	0.0215	-0.0740	-0.0679	0.0040	-0.0004
Rubin 12kV	0.0036	-0.0312	-0.0156	0.0098	0.0005	0.0175	-0.0318	-0.0111	0.0118	0.0004	0.0174	-0.0318	-0.0174	0.0024	0.0024	0.0134	-0.0424	-0.0042	0.0000	-0.0042	0.0776	-0.0148	-0.0074	0.0000	-0.0027
Ruby 12kV	0.0488	-0.0296	-0.0483	0.0011	-0.0040	0.0362	-0.0493	-0.0014	-0.0002	0.0061	0.0386	-0.0360	-0.0510	0.0012	0.0002	0.0760	-0.0734	-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	0.0038	-0.0062	-0.0077	0.0001	0.0002	0.0041	-0.0092	-0.0078	0.0000	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	0.0008	0.0000	0.0144	-0.0081	-0.0014	-0.0023	0.0000	0.0000	-0.0098	-0.0014	0.0038	-0.0009
Ruiz 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	0.0038	0.0000
Ruler 12kV	0.0141	-0.0871	-0.0148	0.0075	0.0000	0.0145	-0.0843	-0.0087	0.0084	0.0000	0.0191	-0.0794	-0.0034	0.0053	0.0000	0.0039	-0.0392	-0.0080	-0.0111	0.0000	0.0465	-0.1378	-0.0068	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
Rumway 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	-0.0303	0.0023	0.0000	0.0125	-0.0360	-0.0308	0.0005	-0.0000	0.0265	-0.0389	-0.0284	0.0031	0.0000
Rural 4.16kV	0.0005	-0.0141	-0.0064	0.0023	0.0000	0.0034	-0.0147	-0.0037	0.0028	0.0000	0.0062	-0.0150	-0.0014	0.0021	0.0000	0.0071	-0.0224	-0.0034	-0.0017	0.0000	0.0150	-0.0312	-0.0035	0.0037	0.0000
Russell 12kV	0.0089	-0.1019	-0.0317	0.0201	0.0000	0.0066	-0.1116	-0.0242	0.0229	0.0000	0.0102	-0.1132	-0.0179	0.0158	0.0000	0.0138	-0.1505	-0.0238	-0.0368	0.0000	0.0292	-0.1767	-0.0228	0.0265	0.0000
Rustic 12kV	0.0056	-0.1027	-0.0232	0.0322	0.0000	0.0042	-0.1019	-0.0154	0.0361	0.0000	0.0076	-0.0962	-0.0087	0.0238	0.0000	0.0087	-0.1261	-0.0147	-0.0478	0.0000	0.0184	-0.1486	-0.0144	0.0447	0.0000
Rutgers 12kV	0.3724	-0.0480	-0.0389	0.0110	0.0065	0.0053	-0.0539	-0.0290	0.0125	0.0021	0.0090	-0.0594	-0.0238	0.0080	0.0000	0.0111	-0.0838	-0.0284	-0.0100	0.0004	0.0234	-0.1088	-0.0273	0.0139	0.0000
Ruth 12kV	0.0056	-0.0643	-0.0741	0.0016	0.0062	0.0042	-0.0739	-0.0020	-0.0008	0.0000	0.0076	-0.0700	-0.0749	0.0017	-0.0010	0.0088	-0.0790	-0.0762	0.0007	-0.0009	0.0186	-0.0877	-0.0702	0.0332	0.0000
Ruthellen 16kV	1.0055	-0.0488	-0.0419	0.0010	0.0043	0.0097	-0.0560	-0.0396	0.0013	-0.0010	0.0178	-0.0621	-0.0379	0.0018	0.0000	0.0204	-0.0793	-0.0392	0.0042	-0.0004	0.0432	-0.0980	-0.0373	0.0031	0.0000
Rutherford 12kV	0.0037	-0.0286	-0.0340	0.0005	0.0000	0.0027	-0.0320	-0.0340	0.0006	0.0000	0.0050	-0.0348	-0.0342	0.0009	0.0000	0.0057	-0.0362	-0.0337	0.0004	0.0000	0.0121	-0.0381	-0.0320	0.0011	0.0000
Rutledge 12kV	0.0045	-0.0810	-0.0331	0.0033	0.0058	0.0034	-0.0802	-0.0280	0.0039	-0.0011	0.0061	-0.0776	-0.0239	0.0034	-0.0001	0.0071	-0.1015	-0.0281	0.0014	-0.0000	0.0149	-0.1248	-0.0265	0.0063	-0.0013
Ruttman 12kV	0.5613	-0.0993	-0.0590	0.0020	0.0065	0.2002	-0.1068	-0.0559	0.0024	-0.0001	0.1463	-0.1085	-0.0535	0.0021	-0.0020	0.1682	-0.1269	-0.0551	0.0009	0.0000	0.3555	-0.1388	-0.0526	0.0039	-0.0022
Ryan 16kV	0.0251	-0.0414	-0.0062	0.0069	0.0000	0.0162	-0.0318	-0.0361	0.0070	0.0000	0.0288	-0.1340	-0.0119	0.0046	0.0000	0.3444	-0.1968								

Facility	2018					2019					2020					2021					2022					
	se Demand (MW)	PV (MW) ²¹	EE (MW) ²¹	EV (MW) ²¹	LMDR (MW) ²¹	se Demand (MW)	PV (MW) ²¹	EE (MW) ²¹	EV (MW) ²¹	LMDR (MW) ²¹	se Demand (MW)	PV (MW) ²¹	EE (MW) ²¹	EV (MW) ²¹	LMDR (MW) ²¹	se Demand (MW)	PV (MW) ²¹	EE (MW) ²¹	EV (MW) ²¹	LMDR (MW) ²¹	se Demand (MW)	PV (MW) ²¹	EE (MW) ²¹	EV (MW) ²¹	LMDR (MW) ²¹	
Sandman 16kW	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	0.0000	-0.0315	-0.0410	0.0143	-0.0009	
Sandra 16kW	0.1765	-0.1103	-0.0835	0.0038	-0.0021	0.1697	-0.1214	-0.0791	0.0046	0.0019	0.1259	-0.0283	-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 12kW	0.0300	-0.0506	-0.0367	0.0027	-0.0048	0.0223	-0.0335	0.0030	-0.0002	0.0006	-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		
Santaroni 4.16kW	0.0265	-0.0425	-0.0264	0.0028	-0.0045	0.0197	-0.0465	-0.0051	0.0031	-0.0008	0.0059	-0.0176	-0.0011	0.0020	0.0000	0.0413	-0.0620	-0.0019	-0.0016	0.0243	-0.0425	-0.0013	0.0224	-0.0000		
Sanka 4.16kW	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 33kW	0.0760	-0.0005	-0.0004	0.0002	0.0000	0.0564	-0.0006	-0.0004	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 12kW	0.0366	-0.0757	-0.0150	0.0081	-0.0003	0.0366	-0.0094	-0.0094	0.0091	-0.0022	0.0366	-0.0664	-0.0004	0.0065	-0.0028	0.0366	-0.0862	-0.0087	-0.0007	-0.0022	0.0366	-0.1024	-0.0088	0.0141	-0.0031	
Sapphire 12kW	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 12kW	0.0594	-0.0792	-0.0179	0.0055	-0.0004	0.0441	-0.0769	-0.0124	0.0062	-0.0009	0.0805	-0.0275	-0.0077	0.0041	-0.0013	0.0925	-0.0981	-0.0119	-0.0052	-0.0027	0.1956	-0.1222	-0.0116	0.0085	-0.0022	
Sarah 4.16kW	0.0025	-0.0145	-0.0041	0.0015	0.0004	0.0019	-0.0171	-0.0028	0.0018	-0.0005	0.0034	-0.0187	-0.0014	0.0013	-0.0004	0.0039	-0.0283	-0.0025	0.0006	-0.0004	0.0083	-0.0375	-0.0025	0.0028	0.0000	
Saratoga 16kW	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 12kW	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	0.1881	-0.0278	-0.0090	0.0018	0.0000		
Sassoon 12kW	0.0089	-0.0756	-0.0350	0.0123	0.0000	0.0066	-0.0836	-0.0251	0.0140	0.0000	0.0120	-0.0866	-0.0167	0.0097	0.0000	0.0138	-0.1169	-0.0244	-0.0226	0.0000	0.0292	-0.1405	-0.0236	0.0162	0.0000	
Satellite 12kW	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	-0.0240	0.0074	-0.0058	
Satum 16kW	0.0219	-0.1138	-0.0153	0.0004	0.0043	0.0163	-0.1046	-0.0152	0.0005	-0.0013	0.0297	-0.0178	-0.0153	0.0003	0.0001	0.0342	-0.0231	-0.0156	0.0000	0.0000	0.0723	-0.0291	-0.0144	0.0007	0.0000	
Saturino 12kW	0.0086	-0.0242	-0.0307	0.0028	0.0077	0.0064	-0.0231	-0.0283	0.0032	-0.0016	0.0177	-0.0225	-0.0266	0.0023	-0.0029	0.0135	-0.0237	-0.0288	-0.0003	0.0035	0.0284	-0.0246	-0.0000	0.0050	0.0000	
Saucillo 12kW	0.7870	-0.0081	-0.0041	0.0013	0.0000	0.0000	-0.0080	-0.0087	0.0040	0.0014	0.0000	0.0148	-0.0092	-0.0000	0.0009	0.0000	-0.0100	-0.0040	0.0000	0.0355	0.0168	-0.0039	0.0019	0.0000		
Saunders 12kW	0.0183	-0.0158	-0.0171	0.0023	0.0019	0.0136	-0.0139	-0.0133	0.0026	-0.0032	0.0249	-0.0122	-0.0101	0.0018	-0.0029	0.0286	-0.0123	-0.0131	-0.0002	-0.0058	0.0604	-0.0139	-0.0125	0.0040	-0.0031	
Sauterne 12kW	0.0434	-0.0368	-0.0148	0.0016	0.0018	0.0322	-0.0433	-0.0114	0.0017	-0.0003	0.0588	-0.0478	-0.0086	0.0011	0.0001	0.0677	-0.0701	-0.0112	-0.0015	0.0000	0.1430	-0.0926	-0.0108	0.0024	-0.0004	
Sauza 12kW	0.0217	-0.0302	-0.0526	0.0008	0.0007	0.0217	-0.0338	-0.0540	0.0010	-0.0012	0.0272	-0.0367	-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	
Savi 12kW	0.0096	-0.1250	-0.0209	0.0107	0.0000	0.0071	-0.1218	-0.0122	0.0132	0.0000	0.0310	-0.1126	-0.0070	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 12kW	0.0315	-0.0746	-0.0651	0.0041	0.0000	0.0234	-0.0595	-0.0366	0.0046	0.0000	0.0427	-0.0458	-0.0120	0.0031	0.0000	0.0491	-0.0477	-0.0394	-0.0061	0.0000	0.1039	-0.0466	-0.0340	0.0057	0.0000	
Sawmill 12kW	0.0261	-0.0321	-0.0012	0.0005	0.0000	0.0261	-0.0012	-0.0005	0.0000	0.0000	0.0477	-0.0040	-0.0012	0.0000	0.0000	0.0477	-0.0040	-0.0012	0.0000	0.1164	-0.0012	-0.0012	0.0019	0.0000		
Sawpiti 33kW	0.0220	-0.0000	-0.0000	0.0010	0.0000	0.0163	0.0000	0.0000	0.0012	0.0000	0.0298	0.0000	0.0000	0.0000	0.0000	0.0343	0.0000	-0.0015	0.0000	0.0725	0.0000	0.0000	0.0000	0.0000		
Sawyer 12kW	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 4.16kW	0.0045	-0.0112	-0.0066	0.0011	-0.0004	0.0034	-0.0121	-0.0046	0.0013	-0.0005	0.0062	-0.0127	-0.0030	0.0012	0.0000	0.0071	-0.0185	-0.0045	0.0005	-0.0009	0.0150	-0.0252	-0.0043	0.0021	0.0000	
Saxophone 12kW	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	-0.0082	-0.0462	0.0054	-0.0004	
Saybrook 16kW	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	0.0010	0.0683	-0.0307	-0.0356	0.0002	0.0000	0.1443	-0.0323	-0.0332	0.0000	0.0000	
Scarp 12kW	0.0227	-0.1443	-0.0057	0.0003	0.0005	0.0194	-0.1122	-0.0049	0.0001	0.0001	0.0353	-0.1011	-0.0043	0.0001	-0.0002	0.0406	-0.1048	-0.0049	0.0000	0.0859	-0.0107	-0.0046	0.0000	0.0000		
Scarlet 12kW	0.0058	-0.0420	-0.0386	0.0010	0.0000	0.0043	-0.0462	-0.0367	0.0013	0.0000	0.0079	-0.0479	-0.0353	0.0018	0.0000	0.0090	-0.0541	-0.0364	0.0029	0.0000	0.0191	-0.0588	-0.0345	0.0027	0.0000	
Schenley 12kW	0.6038	-0.0199	-0.0086	0.0002	0.0000	0.1233	-0.0220	-0.0086	0.0003	0.0000	0.0749	-0.0238	-0.0086	0.0003	0.0000	0.0861	-0.0248	-0.0087	0.0012	0.0000	0.1213	-0.0062	-0.0086	0.0006	0.0000	
Schilling 12kW	0.0488	-0.0354	-0.0594	0.0013	0.0088	0.0362	-0.0396	-0.0608	0.0015	-0.0001	0.0661	-0.0430	-0.0629	0.0013	0.0000	0.0760	-0.0448	-0.0627	0.0005	0.0000	0.1607	-0.0472	-0.0577	0.0024	0.0000	
Schmidt 12kW	0.0443	-0.0569	-0.0266	0.0035	0.0016	0.0329	-0.0518	-0.0214	0.0043	0.0002	0.0600	-0.0463	-0.0171	0.0037	-0.0019	0.0690	-0.0561	-0.0212	0.0011	-0.0009	0.1458	-0.0631	-0.0201	0.0069	-0.0009	
Schohar 12kW	0.0138	-0.0357	-0.0164	0.0034	0.0015	0.0103	-0.0298	-0.0124	0.0038	-0.0005	0.0187	-0.0242	-0.0091	0.0025	-0.0007	0.0215	-0.0262	-0.0122	-0.0032	-0.0035	0.0455	-0.0264	-0.0117	0.0052	-0.0013	
School 12kW	0.0227	-0.0653	-0.0401	0.0008	0.0000	0.0140	-0.0663	-0.0364	0.0009	0.0010	0.0256	-0.0659	-0.0337	0.0008	0.0000	0.0295	-0.0829	-0.0370	0.0000	0.0623	-0.0997	-0.0346	0.0015	0.0000		
School 4.16kW	0.0026	-0.0172	-0.0064	0.0003	0.0008	0.0020	-0.0238	-0.0050	0.0004	0.0000	0.0036	-0.0240	-0.0037	0.0003	-0.0007	0.0041	-0.0381	-0.0049	0.0000	0.0000	0.0087	-0.0377	-0.0047	0.0005	0.0000	
Schooner 16kW	0.3356	-0.0797	-0.0407	0.0198	0.0000	0.0000	0.2347	-0.0845	-0.0289	0.0243	0.0000	0.0948	-0.0879	-0.0189	0.0181	0.0000	0.0995	-0.1207	-0.0279	-0.0148	0.0000	0.2104	-0.1581	-0.0271	0.0322	0.0000
Schuyler 4.16kW	0.0100	-0.0036	-0.0051	0.0007	0.0000	0.0074	-0.0039	-0.0032	0.0008	0.0007	0.0135	-0.0039	-0.0015	0.0000	-0.0004	0.0155	-0.0053	-0.0020	0.0000	0.0000	0.0328	-0.0065	-0.0030	0.0013	0.0000	
Sciurus 12kW	0.0166	-0.0210	-0.0157	0.0025	0.0004	0.0123	-0.0213	-0.0152	0.0029	-0.0004	0.0225	-0.0205	-0.0151	0.0020	0.0000	0.0289	-0.0228	-0.0157	-0.0002	0.0000	0.0547	-0.0239	-0.0145	0.0044	-0.0009	
Sciurus 16kW	0.0246	-0.1176	-0.0413	0.0124	0.0058	0.0182	-0.1249	-0.0350	0.0141	-0.0026	0.0333	-0.1269	-0.0300	0.0099	-0.0019	0.0383	-0.1747	-0.0351	-0.0011	-0.0022	0.0809	-0.0173	-0.0022	0.0311	-0.0027	
Score 12kW	0.0073	-0.1151	-0.0329	0.0185	0.0000	0.0054	-0.1266	-0.0251	0.0211	0.0000	0.0098	-0.1293	-0.0186	0.0145	0.0000	0.0113	-0.1750	-0.0247	-0.0339	0.0000	0.0239	-0.2092	-0.0236	0.0244	0.0000	
Scorpio 12kW																										

Facility	2018					2019					2020					2021					2022					
	se Demand (MW)	PV (MW) ²¹	EE (MW) ²¹	EV (MW) ²¹	LMDR (MW) ²¹	se Demand (MW)	PV (MW) ²¹	EE (MW) ²¹	EV (MW) ²¹	LMDR (MW) ²¹	se Demand (MW)	PV (MW) ²¹	EE (MW) ²¹	EV (MW) ²¹	LMDR (MW) ²¹	se Demand (MW)	PV (MW) ²¹	EE (MW) ²¹	EV (MW) ²¹	LMDR (MW) ²¹	se Demand (MW)	PV (MW) ²¹	EE (MW) ²¹	EV (MW) ²¹	LMDR (MW) ²¹	
Serra 12kV	0.0200	-0.0411	-0.0628	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	0.0000	0.0000	0.0657	-0.0556	-0.0606	0.0075	0.0000
Serranos 12kV	0.0255	-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	0.0000	-0.0027	0.0840	0.0005	-0.1111	-0.0392	0.0023	-0.0022
Servo 4.16kV	0.0060	-0.0412	-0.0106	0.0018	0.0040	0.0064	-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	-0.0004
Sejor 4.16kV	0.0005	-0.0011	-0.0003	0.0001	0.0001	0.0000	-0.0001	-0.0001	0.0000	0.0000	0.0000	-0.0001	-0.0001	0.0001	0.0001	0.0000	-0.0011	-0.0001	0.0000	0.0000	0.0000	-0.0011	-0.0011	-0.0011	-0.0011	0.0002
Settler 12kV	0.0084	-0.1141	-0.0343	0.0010	0.0004	0.0063	-0.0309	-0.0012	-0.0006	0.0014	-0.0529	-0.0283	0.0010	-0.0077	0.0131	-0.1127	-0.0311	0.0004	-0.0009	0.0028	0.0178	-0.1229	-0.0252	0.0019	-0.0004	-0.0004
Seavine 12kV	0.2483	-0.8019	-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	-0.0052	-0.0013	0.0911	-0.0888	-0.0201	0.0084	-0.0013	-0.0013
Seventh St. 4.16kV	0.0047	-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	-0.0404	-0.0018	0.0000	0.0155	-0.0059	-0.0018	0.0021	0.0000	0.0000	
Seville 12kV	0.0324	-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	-0.0348	-0.0012	0.0009	0.0000	0.1066	-0.0041	-0.0012	0.0008	0.0000	
Sewell 12kV	0.0073	-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	
Serton 16kV	0.1136	-0.0984	-0.0372	0.0234	0.0000	0.0101	-0.0961	-0.0292	0.0263	0.0000	0.0184	-0.0919	-0.0275	0.0173	0.0000	0.0211	-0.1177	-0.0288	-0.0348	0.0000	0.0446	-0.1420	-0.0275	0.0326	0.0000	
SHADE 12kV	0.0182	-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	0.0020	0.0182	-0.0588	-0.0457	0.0013	-0.0013	0.0182	-0.0665	-0.0433	0.0009	-0.0009	
Shadow 12kV	0.0000	-0.0656	-0.0278	0.0067	-0.0003	0.0000	-0.0667	-0.0220	0.0076	0.0002	0.0000	-0.0660	-0.0172	0.0054	-0.0022	0.0000	-0.0893	-0.0218	-0.0006	-0.0022	0.0000	-0.1135	-0.0208	0.0117	-0.0004	
Shaffer 12kV	0.0225	-0.0496	-0.0198	0.0020	0.0047	0.0189	-0.0476	-0.0152	0.0023	-0.0025	0.0346	-0.0447	-0.0112	0.0016	-0.0003	0.0398	-0.0563	-0.0147	-0.0002	-0.0022	0.0840	-0.0666	-0.0142	0.0035	-0.0018	
Shake 33kV	0.0220	0.0000	0.0000	0.0007	0.0000	0.0163	0.0000	0.0000	0.0008	0.0000	0.0298	0.0000	0.0000	0.0000	0.0000	0.0343	0.0000	0.0000	0.0000	0.0000	0.0725	0.0000	0.0000	0.0010	0.0000	
Shamrock 4.16kV	0.0114	-0.0079	-0.0050	0.0017	0.0006	0.0084	-0.0081	-0.0042	0.0019	-0.0005	0.0154	-0.0082	-0.0036	0.0013	0.0001	0.0177	-0.0109	-0.0042	-0.0002	0.0000	0.0374	-0.0138	-0.0040	0.0029	-0.0004	
Shangria 12kV	0.0077	-0.0622	-0.0171	0.0042	0.0000	0.0057	-0.0574	-0.0096	0.0047	0.0000	0.0105	-0.0622	-0.0032	0.0031	0.0000	0.0120	-0.0633	-0.0088	-0.0622	0.0000	0.0254	-0.0728	-0.0090	0.0058	0.0000	
Shank 12kV	0.0051	-0.0321	-0.0305	0.0035	0.0075	0.0038	-0.0579	-0.0292	0.0042	0.0000	0.0069	-0.0526	-0.0029	0.0070	0.0000	0.0080	-0.0596	-0.0295	0.0015	-0.0004	0.0169	-0.0642	-0.0276	0.0068	-0.0009	
Sharp 4.16kV	0.0038	-0.0326	-0.0076	0.0042	0.0000	0.0028	-0.0332	-0.0043	0.0048	0.0000	0.0051	-0.0328	-0.0014	0.0033	0.0000	0.0059	-0.0482	-0.0039	-0.0077	0.0000	0.0125	-0.0649	-0.0040	0.0055	0.0000	
Shasta 12kV	0.0183	-0.0081	-0.0133	0.0025	0.0000	0.0136	-0.0368	-0.0108	0.0029	0.0006	0.0248	-0.0345	-0.0087	0.0020	-0.0017	0.0285	-0.0444	-0.0107	-0.0002	-0.0013	0.0603	-0.0632	-0.0102	0.0045	-0.0013	
Shaw 4.16kV	0.0112	-0.0305	-0.0062	0.0034	0.0000	0.0083	-0.0301	-0.0036	0.0041	0.0000	0.0152	-0.0290	-0.0015	0.0031	0.0000	0.0175	-0.0406	-0.0034	-0.0025	0.0000	0.0369	-0.0525	-0.0034	0.0051	0.0000	
Sheep 12kV	0.0148	-0.0014	-0.0016	0.0000	0.0000	0.0110	-0.0015	-0.0015	0.0001	0.0000	0.0200	-0.0210	-0.0015	0.0001	0.0000	0.0230	-0.0017	-0.0010	0.0000	0.0000	0.0486	-0.0018	-0.0014	0.0005	0.0000	
Sheepole 33kV	0.0490	-0.0100	-0.0006	0.0023	0.0000	0.0064	-0.0011	-0.0006	0.0028	0.0000	0.1030	-0.0012	-0.0006	0.0021	0.0000	0.1184	-0.0012	-0.0006	-0.0017	0.0000	0.2503	-0.0013	-0.0006	0.0037	0.0000	
Sheffield 16kV	0.0077	-0.0937	-0.0321	0.0166	0.0000	0.0165	-0.0905	-0.0216	0.0048	0.0000	0.0149	-0.0845	-0.0153	0.0016	0.0000	0.0136	-0.0216	-0.0006	-0.0011	0.0000	0.0116	-0.0206	-0.0016	0.0020	0.0000	
Sheila 16kV	0.0763	-0.0204	-0.0345	0.0000	0.0019	0.0366	-0.0229	-0.0353	0.0000	-0.0004	0.0668	-0.0248	-0.0365	0.0000	0.0002	0.0768	-0.0258	-0.0000	0.0000	0.0000	0.1623	-0.0272	-0.0335	0.0001	0.0000	
Shell 12kV	0.0216	-0.0249	-0.0336	0.0004	0.0000	0.0160	-0.0278	-0.0339	0.0005	0.0000	0.0293	-0.0302	-0.0345	0.0007	0.0000	0.0336	-0.0314	-0.0341	0.0011	0.0000	0.0711	-0.0331	-0.0320	0.0011	0.0000	
Shelldom 12kV	0.3562	-0.0058	-0.0102	0.0007	0.0000	0.2723	-0.0065	-0.0105	0.0008	0.0000	0.0279	-0.0070	-0.0109	0.0012	0.0000	0.0321	-0.0074	-0.0308	0.0019	0.0000	0.0678	-0.0017	-0.0099	0.0018	0.0000	
Shenandoah 16kV	0.0244	-0.0800	-0.0377	0.0041	0.0046	0.0181	-0.0787	-0.0310	0.0050	-0.0023	0.0330	-0.0740	-0.0255	0.0043	-0.0006	0.0380	-0.0922	-0.0308	0.0018	-0.0018	0.0803	-0.1059	-0.0292	0.0080	-0.0018	
Shepherd 12kV	0.0051	-0.1418	-0.0282	0.0040	0.0009	0.0038	-0.1399	-0.0202	0.0050	-0.0006	0.0069	-0.1296	-0.0134	0.0060	-0.0016	0.0079	-0.1693	-0.0196	0.0012	-0.0044	0.1688	-0.1993	-0.0190	0.0080	-0.0018	
Sheraton 12kV	0.0086	-0.0369	-0.0518	0.0023	0.0068	0.0068	-0.0516	-0.0026	0.0026	0.0007	0.0117	-0.0403	-0.0022	0.0018	0.0000	0.0135	-0.0425	-0.0532	-0.0002	-0.0022	0.0284	-0.0448	-0.0061	0.0018	-0.0009	
Sherbourne 16kV	0.0197	-0.1167	-0.0535	0.0051	0.0021	0.0146	-0.1195	-0.0498	0.0065	-0.0007	0.0266	-0.1160	-0.0471	0.0030	0.0000	0.1428	-0.0505	0.0015	-0.0018	0.0647	-0.1933	-0.0471	0.0103	-0.0022	-0.0022	
Sheridan 12kV	0.0471	-0.0719	-0.0219	0.0025	0.0000	0.0350	-0.0706	-0.0155	0.0000	-0.0024	0.0638	-0.0671	-0.0100	0.0027	0.0341	-0.0899	-0.0150	-0.0011	0.0000	0.1551	-0.1115	-0.0476	0.0049	-0.0031	-0.0031	
Sherman 4.16kV	0.0053	-0.0048	-0.0064	0.0009	0.0011	0.0039	-0.0050	-0.0048	0.0012	-0.0008	0.0071	-0.0051	-0.0034	0.0014	-0.0006	0.0082	-0.0063	-0.0046	0.0003	-0.0004	0.0173	-0.0074	-0.0045	0.0019	-0.0009	
Sherry 12kV	0.0434	-0.0553	-0.0224	0.0005	-0.0001	0.0322	-0.0634	-0.0158	0.0006	0.0005	0.0588	-0.0685	-0.0100	0.0007	-0.0017	0.0677	-0.1026	-0.0152	0.0002	-0.0009	0.1430	-0.1366	-0.0148	0.0010	-0.0013	
Sherwood 4.16kV	0.0000	-0.0021	-0.0014	0.0021	0.0018	0.0000	-0.0021	-0.0011	0.0023	-0.0008	0.0000	-0.0021	-0.0009	0.0016	0.0008	0.0000	-0.0024	-0.0011	-0.0002	0.0000	0.0000	-0.0027	-0.0011	0.0036	0.0000	
Shery 12kV	0.0043	-0.0227	-0.0083	0.0012	0.0000	0.0032	-0.0198	-0.0065	0.0014	-0.0003	0.0059	-0.0165	-0.0050	0.0009	-0.0003	0.0067	-0.0188	-0.0064	-0.0011	0.0000	0.0142	-0.0061	-0.0011	0.0018	0.0000	
Shettland 12kV	0.0111	-0.0959	-0.0156	0.0044	0.0001	0.0082	-0.0894	-0.0127	0.0050	-0.0003	0.0150	-0.0812	-0.0104	0.0032	-0.0006	0.0173	-0.1049	-0.0127	-0.0042	-0.0018	0.0365	-0.1257	-0.0120	0.0068	-0.0013	
Shine 12kV	0.0238	-0.1076	-0.0207	0.0042	0.0003	0.0176	-0.0994	-0.0133	0.0048	-0.0010	0.0322	-0.0893	-0.0070	0.0034	-0.0017	0.0370	-0.1150	-0.0126	-0.0004	-0.0031	0.0782	-0.1368	-0.0125	0.0073	-0.0027	
Shipley 12kV	0.0111	-0.0221	-0.0336	0.0013	0.0214	0.0082	-0.0246	-0.0344	0.0016	-0.0017	0.0150	-0.0266	-0.0356	0.0014	-0.0001	0.0173	-0.0280	-0.0355	0.0006	0.0000	0.0365	-0.0297	-0.0327	0.0026	0.0000	
Shipway 4.16kV	0.0027	-0.0352	-0.0054	0.0032	-0.0004	0.0020	-0.0351	-0.0031	0.0036	-0.0004	0.0037	-0.0339	-0.0011	0.0026	-0.0009	0.0042	-0.0479	-0.0028	-0.0003	-0.0022	0.0009	-0.0623	-0.0229	0.0056	-0.0009	
Shiraz 12kV	0.0434	-0.1313	-0.0365	0.0008	0.0000	0.0322	-0.1467	-0.0306	0.0010	0.0008	0.0588	-0.1541	-0.0259	0.0009	-0.0017	0.0677	-0.2142	-0.0306	0.0004	-0.0027	0.1430	-0.2620	-0.0290	0.0016	-0.0027	
Shirk 12kV	0.0506	-0.0088	-0.0094	0.0034	0.0000	0.0375	-0.0347	-0.0003																		

Facility	2018				2019				2020				2021				2022									
	se Demand (MW)	PV (MW) ²¹	EE (MW) ²¹	EV (MW) ²¹	LMDR (MW) ²¹	se Demand (MW)	PV (MW) ²¹	EE (MW) ²¹	EV (MW) ²¹	LMDR (MW) ²¹	se Demand (MW)	PV (MW) ²¹	EE (MW) ²¹	EV (MW) ²¹	LMDR (MW) ²¹	se Demand (MW)	PV (MW) ²¹	EE (MW) ²¹	EV (MW) ²¹	LMDR (MW) ²¹						
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	-0.0600	0.0041	0.0000	0.0133	-0.0697	-0.0591	0.0008	0.0000	0.0281	-0.0735	-0.0565	0.0046	0.0000	
Skinkie 12kV	0.0846	-0.0889	-0.0881	0.0006	0.0000	0.0067	-0.0187	-0.0700	0.0008	0.0000	0.0819	-0.0181	-0.0661	0.0012	0.0000	0.0976	-0.0199	-0.0568	0.0012	0.0000	0.2062	-0.2027	-0.0667	0.0015	0.0000	
Skinner 12kV	0.0256	-0.0003	-0.0001	0.0015	0.0000	0.0190	-0.0003	-0.0001	0.0003	0.0000	0.0347	-0.0003	-0.0001	0.0000	0.0000	0.0399	-0.0003	-0.0001	0.0008	0.0000	0.0843	-0.0004	-0.0001	0.0004	0.0000	
Skippier 12kV	0.0171	-0.0408	-0.0017	0.0011	0.0000	0.0008	0.0127	-0.0054	-0.0018	0.0000	0.0023	-0.0059	-0.0018	0.0000	0.0000	0.0037	-0.0018	-0.0025	0.0001	0.0000	0.0128	-0.0048	-0.0017	0.0001	0.0000	
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	0.0000	-0.0024	0.0002	-0.1607	-0.0154	0.0024	-0.0022	0.0639	-0.1980	-0.0149	0.0018	-0.0013	
Skyborne 12kV	0.0108	-0.0084	-0.0025	0.0011	0.0000	0.0080	-0.0079	-0.0018	0.0013	0.0000	0.0146	-0.0071	-0.0011	0.0008	0.0000	0.0168	-0.0088	-0.0017	-0.0017	0.0000	0.0355	-0.0100	-0.0017	0.0016	0.0000	
Skyland 12kV	0.0046	-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	0.0150	-0.0587	-0.0653	0.0036	0.0000	
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	0.0008	0.0000	0.0000	-0.0051	-0.0017	-0.0010	0.0000	0.0000	-0.0056	-0.0017	0.0017	0.0000	
Skypark 12kV	0.0080	-0.0361	-0.0607	0.0010	0.0000	0.0059	-0.0623	-0.0013	0.0000	0.0008	0.0108	-0.0439	-0.0647	0.0018	0.0000	0.0060	-0.0456	-0.0645	0.0004	0.0000	0.0127	-0.0481	-0.0592	0.0021	0.0000	
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	-0.0788	-0.0087	-0.0073	-0.0013	0.0576	-0.0747	-0.0087	0.0119	-0.0035	
Skunkie 12kV	0.0000	-0.0003	-0.0001	0.0015	0.0000	0.0190	-0.0003	-0.0001	0.0003	0.0000	0.0347	-0.0003	-0.0001	0.0000	0.0000	0.0399	-0.0003	-0.0001	0.0008	0.0000	0.0843	-0.0004	-0.0001	0.0004	0.0000	
Stack 4.16kV	0.0043	-0.0135	-0.0047	0.0004	0.0000	0.0000	-0.0166	-0.0029	0.0004	-0.0001	0.0000	-0.0195	-0.0014	0.0004	-0.0004	-0.0004	-0.0324	-0.0027	0.0000	-0.0022	0.0000	-0.0469	-0.0012	-0.0007	-0.0009	
Stack 12kV	0.1306	-0.0008	-0.0004	0.0000	0.0000	0.0320	-0.0009	-0.0004	0.0000	0.0000	0.0322	-0.0010	-0.0004	0.0001	0.0000	0.0336	-0.0010	-0.0004	0.0001	0.0000	0.0355	-0.0010	-0.0004	0.0001	0.0000	
Stalom 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	
Slate 12kV	0.0034	-0.0271	-0.0310	0.0018	0.0000	0.0025	-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	0.0110	-0.0361	-0.0293	0.0045	0.0000	
Slice 12kV	0.0051	-0.0847	-0.0387	0.0010	0.0000	0.0038	-0.0785	-0.0296	0.0116	-0.0008	0.0069	-0.0653	-0.0254	0.0075	0.0000	0.0080	-0.0697	-0.0890	-0.0099	-0.0000	0.0169	-0.0990	-0.0690	0.0157	-0.0008	
Sling 12kV	0.0045	-0.1082	-0.0178	0.0143	0.0000	0.0033	-0.1082	-0.0129	0.0151	-0.0002	0.0065	-0.1028	-0.0077	0.0010	0.0000	0.0070	-0.1381	-0.0119	0.0134	-0.0022	0.0148	-0.1673	-0.0116	0.0218	-0.0027	
Sl oan 4.16kV	0.0060	-0.0121	-0.0046	0.0004	0.0000	0.0045	-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	0.0199	-0.0305	-0.0028	0.0007	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	
Slover 12kV	0.0042	-0.1008	-0.0676	0.0005	0.0044	0.0031	-0.1086	-0.0661	0.0006	-0.0010	0.0056	-0.1114	-0.0656	0.0005	-0.0017	0.0065	-0.1384	-0.0274	0.0002	0.0000	0.0137	-0.1596	-0.0626	0.0009	-0.0013	
Sluice 12kV	0.0536	-0.0842	-0.0284	0.0016	0.0011	0.0398	-0.0831	-0.0243	0.0018	-0.0004	0.0727	-0.0779	-0.0210	0.0012	0.0000	0.0836	-0.1027	-0.0444	-0.0015	0.0000	0.1766	-0.1240	-0.0230	0.0024	-0.0009	
Smeltzer 12kV	0.8419	-0.0524	-0.0446	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	-0.0983	0.0029	-0.0000	0.0515	-0.1548	-0.0362	0.0130	0.0000	
Smimoff 12kV	0.0045	-0.0428	-0.0597	0.0003	0.0000	0.0455	-0.0479	-0.0693	0.0003	0.0000	0.0447	-0.0093	-0.0019	0.0000	0.0000	0.0515	-0.0136	-0.0019	0.0000	0.0000	0.0435	-0.0479	-0.0019	0.0000	0.0000	
Smith 16kV	1.6000	-0.0850	-0.0860	0.0001	0.0000	0.0000	-0.0564	-0.0880	0.0001	-0.0020	0.0000	-0.0613	-0.0911	0.0001	-0.0054	0.0000	-0.0637	-0.0907	0.0000	0.0000	0.0000	-0.0672	-0.0836	0.0002	0.0000	
Smithwood 4.16kV	0.0000	-0.0089	-0.0052	0.0021	0.0003	0.0000	-0.0102	-0.0039	0.0024	-0.0002	0.0000	-0.0104	-0.0027	0.0016	-0.0003	0.0000	-0.0142	-0.0038	-0.0020	0.0000	0.0000	-0.0171	-0.0036	0.0003	-0.0004	
Smoke Tree 12kV	0.0166	-0.0207	-0.0082	0.0005	0.0011	0.0123	-0.0186	-0.0075	0.0005	-0.0001	0.0225	-0.0158	-0.0069	0.0004	-0.0009	0.0259	-0.0169	-0.0076	-0.0005	0.0000	0.0547	-0.0167	-0.0071	0.0007	-0.0004	
Snadragon 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	0.0005	0.0000	0.0184	-0.0469	-0.0376	0.0028	0.0000	
Snead 12kV	0.0199	-0.0744	-0.0544	0.0089	0.0068	0.0147	-0.0873	-0.0486	0.0108	-0.0019	0.0269	-0.0980	-0.0442	0.0094	-0.0011	0.0309	-0.1419	-0.0492	0.0038	-0.0013	0.0654	-0.1869	-0.0470	0.0173	-0.0009	
Sneve 12kV	0.0037	-0.0451	-0.0603	0.0017	0.0000	0.0075	-0.0607	-0.0072	0.0000	-0.0006	0.0050	-0.0544	-0.0615	0.0000	-0.0017	0.0057	-0.0548	-0.0005	-0.0004	0.0000	0.0121	-0.0600	-0.0572	0.0000	0.0000	
Snipes 12kV	0.4965	-0.0998	-0.0203	0.0058	-0.0001	0.0215	-0.0843	-0.0128	0.0065	0.0009	0.0375	-0.0690	-0.0063	0.0042	-0.0011	0.0431	-0.0812	-0.0120	-0.0054	-0.0022	0.0911	-0.0887	-0.0119	0.0088	-0.0035	
Sno Cat 12kV	0.0000	-0.0002	-0.0002	0.0000	0.0000	0.0000	-0.0002	-0.0002	0.0000	0.0000	0.0000	-0.0003	-0.0000	0.0000	0.0000	-0.0003	-0.0002	0.0000	0.0000	0.0000	-0.0003	-0.0002	0.0000	0.0000	0.0000	
Snow Valley 12kV	0.0042	-0.0039	-0.0071	0.0024	0.0000	0.0000	-0.0043	-0.0059	0.0027	0.0000	0.0056	-0.0047	-0.0051	0.0017	0.0000	0.0065	-0.0049	-0.0060	-0.0022	0.0000	0.0137	-0.0051	-0.0056	0.0036	0.0000	
Snowcreek 12kV	0.0108	-0.0034	-0.0002	0.0000	0.0000	0.0080	-0.0038	-0.0001	0.0000	0.0000	0.0146	-0.0036	-0.0001	0.0000	0.0000	0.0168	-0.0051	-0.0001	0.0000	0.0000	0.0355	-0.0062	-0.0001	0.0000	0.0000	
Snowden 12kV	0.0000	-0.0194	-0.0282	0.0018	0.0003	0.0081	-0.0212	-0.0287	0.0022	0.0002	3.4783	-0.0227	-0.0296	0.0019	0.0001	0.0171	-0.0239	-0.0296	0.0008	0.0000	0.0361	-0.0254	-0.0273	0.0035	0.0000	
Snowdrift 12kV	0.0030	-0.0076	-0.0055	0.0011	0.0000	0.0045	-0.0085	-0.0006	0.0012	0.0000	0.0047	-0.0093	-0.0019	0.0000	0.0000	0.0515	-0.0136	-0.0019	0.0000	0.0000	0.0168	-0.0016	-0.0034	0.0015	0.0000	
Snyder 12kV	0.0454	-0.1277	-0.0258	0.0013	0.0066	0.0337	-0.1331	-0.0186	0.0016	-0.0004	0.0616	-0.1301	-0.0124	0.0014	-0.0005	0.0708	-0.1766	-0.0381	0.0006	-0.0009	0.1496	-0.2131	-0.0174	0.0026	-0.0022	
So Strand 4.16kV	0.0136	-0.0206	-0.0032	0.0062	0.0000	0.0110	-0.0222	-0.0019	0.0070	0.0000	0.0216	-0.0222	-0.0009	0.0000	0.0046	0.0000	0.0248	-0.0307	-0.0018	-0.0092	0.0000	0.0524	-0.0373	-0.0018	0.0086	0.0000
Soboba 12kV	0.0043	-0.0862	-0.0332	0.0041	-0.0010	0.0032	-0.0744	-0.0239	0.0047	-0.0005	0.0059	-0.0610	-0.0160	0.0033	-0.0016	0.0067	-0.0687	-0.0232	-0.0004	0.0000	0.0142	-0.0719	-0.0224	0.0072	-0.0004	
Socrates 12kV	0.0045	-0.0883	-0.0260	0.0035	0.0034	0.0034	-0.0201	-0.0043	-0.0017	0.0061	0.0061	-0.0936	-0.0153	0.0037	-0.0015	0.0071	-0.1313	-0.0199	0.0015	-0.0013	0.0149	-0.1681	-0.0190	0.0068	-0.0009	
Soda Springs 12kV	0.0270	-0.0465	-0.0269	0.0013	0.0020	0.0200	-0.0434	-0.0253	0.0014	0.0007	0.0366	-0.0385	-0.0242	0.0010	-0.0011	0.0420	-0.0421	-0.0258	0.0000	0.0000	0.0889	-0.0446	-0.0240	0.0022	-0.0022	
Soggy 12kV	0.0540	-0.1008	-0.0404	0.0008	0.0000	0.0041	-0.0941	-0.0071	0.0009	-0.0008	0.0731	-0.0402	-0.0492	0.0006	-0.0007	0.0841	-0.1210	-0.0068	-0.0001	-0.0004	0.1777	-0				

Facility	2018					2019					2020					2021					2022				
	se Demand (MW)	PV (MW) ²¹	EE (MW) ²¹	EV (MW) ²¹	LMDR (MW) ²¹	se Demand (MW)	PV (MW) ²¹	EE (MW) ²¹	EV (MW) ²¹	LMDR (MW) ²¹	se Demand (MW)	PV (MW) ²¹	EE (MW) ²¹	EV (MW) ²¹	LMDR (MW) ²¹	se Demand (MW)	PV (MW) ²¹	EE (MW) ²¹	EV (MW) ²¹	LMDR (MW) ²¹	se Demand (MW)	PV (MW) ²¹	EE (MW) ²¹	EV (MW) ²¹	LMDR (MW) ²¹
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	-0.0008	0.0204	-0.1304	-0.0136	-0.0034	-0.0004	0.0430	-0.1568	-0.0136	0.0056	0.0000
Sprint 12kV	0.0056	-0.0665	-0.0305	0.0072	0.0000	0.0033	-0.0688	-0.0278	0.0088	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
Spruance 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	-0.0120	-0.0149	0.0000	0.0000	0.0000
Saur 12kV	0.0060	-0.0531	-0.0244	0.0023	0.0001	0.0031	-0.0334	-0.0136	0.0021	0.0000	0.0023	-0.0321	-0.0140	0.0017	-0.0011	0.0073	-0.0712	-0.0189	-0.0023	-0.0174	0.0153	-0.0207	-0.0181	0.0033	-0.0044
Squadron 12kV	0.0338	-0.1023	-0.0222	0.0018	0.0000	0.0025	-0.0997	-0.0176	0.0023	0.0000	0.0458	-0.0918	-0.0138	0.0017	0.0000	0.0526	-0.1088	-0.0174	-0.0014	0.0000	0.1043	-0.1178	-0.0168	0.0030	0.0000
Squall 12kV	0.0161	-0.0545	-0.0181	0.0073	0.0020	0.0120	-0.0584	-0.0145	0.0082	-0.0003	0.0218	-0.0501	-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
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	-0.0123	-0.0052	-0.0046	0.0000	0.0202	-0.0138	-0.0051	0.0033	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
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
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	-0.0282	-0.0029	0.0032	0.0001	0.0434	-0.0390	-0.0044	0.0013	0.0000	0.0918	-0.0478	-0.0043	0.0058	-0.0022
St Croix 12kV	0.0040	-0.0524	-0.0688	0.0012	-0.0002	0.0030	-0.0586	-0.0692	0.0015	0.0104	0.0054	-0.0636	-0.0702	0.0021	-0.0021	0.0062	-0.0662	-0.0695	-0.0049	0.0000	0.0131	-0.0697	-0.0053	0.0036	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
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	-0.0041	0.0031	-0.0006	0.0062	-0.0584	-0.0083	0.0014	-0.0018	0.0131	-0.0700	-0.0083	0.0064	-0.0013
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	-0.0352	0.0014	-0.0016	0.0179	-0.0264	-0.0371	0.0006	-0.0027	0.0379	-0.0275	-0.0343	0.0026	0.0000
Stacy 4.16kV	0.0053	-0.0165	-0.0045	0.0034	0.0000	0.0039	-0.0183	-0.0028	0.0038	0.0001	0.0071	-0.0188	-0.0013	0.0025	0.0000	0.0082	-0.0267	-0.0026	-0.0032	0.0000	0.0173	-0.0328	-0.0026	0.0052	0.0000
Stafford 12kV	0.0432	-0.0579	-0.0344	0.0012	0.0027	0.0320	-0.0607	-0.0306	0.0015	0.0007	0.0585	-0.0624	-0.0356	0.0013	-0.0015	0.0673	-0.0853	-0.0302	0.0005	-0.0027	0.1422	-0.1113	-0.0284	0.0023	-0.0181
Stage 12kV	0.0170	-0.0372	-0.0384	0.0002	0.0000	0.0125	-0.0437	-0.0379	0.0003	0.0000	0.0233	-0.0452	-0.0376	0.0004	0.0000	0.0365	-0.0470	-0.0369	0.0001	0.0000	0.0564	-0.0496	-0.0355	0.0005	0.0000
Stageline 12kV	0.5314	-0.0847	-0.0135	0.0049	-0.0004	0.2174	-0.0738	-0.0092	0.0055	-0.0005	0.5870	-0.0613	-0.0054	0.0039	-0.0015	1.2078	-0.0714	-0.0086	-0.0004	-0.0004	0.2787	-0.0758	-0.0086	0.0085	-0.0027
Staghorn 12kV	0.0062	-0.0457	-0.0174	0.0012	0.0025	0.0046	-0.0439	-0.0141	0.0014	0.0001	0.0084	-0.0410	-0.0114	0.0010	-0.0018	0.0096	-0.0527	-0.0141	-0.0001	-0.0004	0.0203	-0.0631	-0.0133	0.0021	-0.0009
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
Stamper 12kV	0.0017	-0.0595	-0.0617	0.0028	0.0121	0.0012	-0.0654	-0.0611	0.0031	-0.0035	0.0023	-0.0702	-0.0612	0.0020	0.0026	0.0026	-0.0799	-0.0620	-0.0026	-0.0009	0.0055	-0.0917	-0.0978	0.0043	0.0000
Standard 12kV	0.0156	-0.0877	-0.0564	0.0163	0.0065	0.0116	-0.0907	-0.0506	0.0183	-0.0111	0.0212	-0.0917	-0.0462	0.0119	-0.0012	0.0244	-0.1170	-0.0512	-0.0153	-0.0004	0.0515	-0.1436	-0.0479	0.0249	-0.0103
Standing Rock 12kV	0.0000	-0.0034	-0.0250	0.0093	0.0000	0.0029	-0.0036	-0.0168	0.0104	0.0000	0.0235	-0.0728	-0.0069	0.0000	0.0000	0.0000	-0.0158	-0.0046	-0.0138	0.0000	0.0571	-0.0126	-0.0156	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	-0.0304	-0.0036	-0.0004	0.0000	-0.0394	-0.0018	-0.0059	0.0059	-0.0022
Stanford 12kV	0.0597	-0.0982	-0.0194	0.0010	0.0004	0.0409	-0.0974	-0.0129	0.0012	-0.0005	0.0747	-0.0911	-0.0703	0.0010	-0.0008	0.0859	-0.1158	-0.0122	0.0004	-0.0013	0.1815	-0.1321	-0.0123	0.0018	-0.0027
Stanwood 16kV	0.0112	-0.0727	-0.0456	0.0079	0.0023	0.0083	-0.0694	-0.0414	0.0055	0.0011	0.0152	-0.0634	-0.0383	0.0083	-0.0017	0.0175	-0.0708	-0.0419	-0.0004	-0.0004	0.0369	-0.0750	-0.0192	0.0053	-0.0009
Star Rock 12kV	0.0096	-0.1095	-0.0269	0.0182	0.0000	0.0071	-0.1088	-0.0232	0.0204	0.0000	0.0130	-0.1033	-0.0203	0.0135	0.0000	0.0149	-0.1301	-0.0233	-0.0121	0.0000	0.0315	-0.1507	-0.0219	0.0253	0.0000
Starboard 12kV	0.0161	-0.0376	-0.0347	0.0010	0.0050	0.0120	-0.0403	-0.0328	0.0013	-0.0005	0.0218	-0.0421	-0.0317	0.0016	-0.0011	0.0251	-0.0543	-0.0336	0.0003	-0.0004	0.0530	-0.0686	-0.0311	0.0021	-0.0027
Starbuck 12kV	0.0264	-0.0499	-0.0478	0.0004	0.0067	0.0196	-0.0551	-0.0465	0.0005	0.0000	0.0357	-0.0591	-0.0456	0.0005	0.0000	0.0411	-0.0648	-0.0465	-0.0001	-0.0004	0.0869	-0.0793	-0.0437	0.0008	0.0000
Starfighter 16kV	0.1930	-0.0300	-0.0439	0.0060	-0.0061	0.8742	-0.0297	-0.0336	0.0068	-0.0034	1.4790	-0.0293	-0.0250	0.0048	-0.0007	1.1438	-0.0341	-0.0330	-0.0005	-0.0018	0.5305	-0.0378	-0.0316	0.0105	-0.0089
Stargazer 12kV	0.1564	-0.0580	-0.0874	0.0015	0.0027	0.0030	-0.0656	-0.0887	0.0019	-0.0001	0.0055	-0.0715	-0.0910	0.0023	-0.0000	0.0000	-0.0806	-0.0913	-0.0000	0.0000	0.0133	-0.0905	-0.0842	0.0030	0.0000
Starglow 12kV	0.0419	-0.1179	-0.0301	0.0014	0.0001	0.0311	-0.0986	-0.0218	0.0017	0.0005	0.0568	-0.0787	-0.0147	0.0015	-0.0002	0.0653	-0.0849	-0.0207	0.0006	-0.0009	0.1380	-0.0832	-0.0204	0.0027	-0.0049
Statter 16kV	0.0246	-0.0946	-0.0239	0.0234	0.0000	0.0080	-0.1044	-0.0154	0.0262	0.0000	0.0333	-0.1100	-0.0082	0.0173	0.0000	0.0383	-0.1611	-0.0146	-0.0347	0.0000	0.0809	-0.2107	-0.0145	0.0325	0.0000
Stealth 12kV	0.0324	-0.1061	-0.0333	0.0029	0.0000	0.0481	-0.1009	-0.0228	0.0033	0.0000	0.0585	-0.0940	-0.0139	0.0023	0.0000	0.0262	-0.1205	-0.0219	-0.0053	0.0000	0.0553	-0.1446	-0.0215	0.0038	0.0000
Stevens 16kV	0.0073	-0.0333	-0.0386	0.0110	0.0048	0.0054	-0.0300	-0.0314	0.0124	0.0025	0.0099	-0.0942	-0.0355	0.0081	-0.0014	0.0114	-0.1204	-0.0313	-0.0104	-0.0018	0.0242	-0.1450	-0.0286	0.0169	0.0000
Sting 12kV	0.0280	-0.0024	-0.0014	0.0020	0.0000	0.0208	-0.0026	-0.0014	0.0051	0.0000	0.0380	-0.0027	-0.0014	0.0040	0.0000	0.0437	-0.0029	-0.0010	0.0093	0.0000	0.0923	-0.0032	-0.0013	0.0065	0.0000
Steelman 12kV	0.1390	-0.0455	-0.0162	0.0013	0.0092	0.4019	-0.0447	-0.0132	0.0015	-0.0046	0.3657	-0.0429	-0.0106	0.0010	0.0023	0.3141	-0.0506	-0.0129	-0.0001	-0.0009	0.7047	-0.0576	-0.0127	0.0023	-0.0009
Stegman 12kV	0.0195	-0.0480	-0.0483	0.0012	0.0021	0.0145	-0.0504	-0.0477	0.0014	-0.0003	0.0265	-0.0515	-0.0406	0.0010	-0.0020	0.0304	-0.0600	-0.0491	-0.0001	0.0000	0.0643	-0.0687	-0.0153	0.0021	-0.0131
Stella 12kV	0.0059	-0.0894	-0.0071	0.0140	0.0020	0.0044	-0.0899	-0.0212	0.0158	0.0002	0.0800	-0.0878	-0.0163	0.0102	-0.0020	0.0092	-0.1188	-0.0209	-0.0132	-0.0022	0.0195	-0.1502	-0.0200	0.0214	-0.0004
Sterling 4.16kV	0.0076	-0.0124	-0.0252	0.0005	0.0005	0.0056	-0.0128	-0.0038	0.0005	0.0003	0.0103	-0.0128	-0.0027	0.0004	-0.0001	0.0118	-0.0177	-0.0039	0.0000	0.0000	0.0249	-0.0226	-0.0036	0.0008	-0.0018
Stevley 4.16kV	0.0031	-0.0289	-0.0083	0.0028	0.0000	0.0025	-0.0286	-0.0057	0.0034	0.0005	0.0041	-0.0277	-0.0035	0.0030	-0.0008										

Facility	2018					2019					2020					2021					2022				
	se Demand (MW)	PV (MW) ²¹	EE (MW) ²¹	EV (MW) ²¹	LMDR (MW) ²¹	se Demand (MW)	PV (MW) ²¹	EE (MW) ²¹	EV (MW) ²¹	LMDR (MW) ²¹	se Demand (MW)	PV (MW) ²¹	EE (MW) ²¹	EV (MW) ²¹	LMDR (MW) ²¹	se Demand (MW)	PV (MW) ²¹	EE (MW) ²¹	EV (MW) ²¹	LMDR (MW) ²¹	se Demand (MW)	PV (MW) ²¹	EE (MW) ²¹	EV (MW) ²¹	LMDR (MW) ²¹
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	0.0001	0.0080	-0.0667	-0.0514	0.0013	-0.0004	0.0169	-0.0786	-0.0474	0.0010	-0.0004
Sumac 12kV	4.3868	-0.3800	-0.3669	0.0029	0.0115	1.1790	-0.0374	-0.3662	0.0033	-0.0037	0.0059	-0.0365	-0.3631	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	-0.0909	-0.0523	0.0004	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	0.0004	0.0000	0.0000	-0.0043	-0.0013	0.0000	0.0000	-0.0043	-0.0013	-0.0000	0.0000	0.0000	-0.0043	-0.0013	-0.0000	0.0000	0.0000	-0.0043	-0.0013	-0.0000	0.0000	0.0000
Sun 4.16kV	0.0027	0.0000	-0.0001	0.0000	0.0000	0.0000	-0.0001	-0.0001	0.0000	0.0000	0.0017	-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	-0.0884	-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	-0.0249	-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	-0.0906	-0.0143	0.0099	-0.0013
Sundown 12kV	0.0542	-0.1189	-0.0344	0.0058	0.0000	0.0402	-0.3065	-0.0228	0.0071	0.0000	0.0734	-0.2728	-0.0127	0.0053	0.0000	0.0844	-0.3430	-0.0216	-0.0043	0.0000	0.1784	-0.0778	-0.0213	0.0054	0.0000
Sunrise 12kV	0.0097	-0.0422	-0.0064	0.0030	0.0000	0.0072	-0.0422	-0.0039	0.0036	0.0000	0.0131	-0.0399	-0.0017	0.0000	0.0000	0.0151	-0.0522	-0.0036	-0.0022	0.0000	0.0316	-0.0608	-0.0036	0.0040	0.0000
Sunflower 12kV	0.0080	-0.0425	-0.0598	0.0013	0.0000	0.0059	-0.0462	-0.0604	0.0018	0.0000	0.0108	-0.0409	-0.0168	0.0000	0.0000	0.0060	-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	-0.0000	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	-0.0029	0.0000	0.0026	-0.0333	-0.0034	0.0021	0.0000
Sunkist 12kV	0.0270	-0.0706	-0.0213	0.0022	0.0051	0.0200	-0.0737	-0.0183	0.0025	-0.0008	0.0366	-0.0730	-0.0158	0.0008	0.0000	0.0420	-0.0972	-0.0183	-0.0002	-0.0013	0.0889	-0.1174	-0.0172	0.0038	0.0000
Sunlight 4.16kV	0.0029	-0.0053	-0.0023	0.0008	0.0002	0.0022	-0.0053	-0.0017	0.0008	0.0000	0.0039	-0.0052	-0.0012	0.0005	0.0000	0.0045	-0.0072	-0.0016	-0.0007	-0.0000	0.0096	-0.0099	-0.0016	0.0011	0.0000
Sunny Lane 4.8kV	0.0036	-0.0002	-0.0004	0.0003	0.0000	0.0027	-0.0003	-0.0004	0.0004	0.0001	0.0000	-0.0003	-0.0004	0.0000	0.0000	0.0000	-0.0003	-0.0004	0.0000	0.0000	0.0000	-0.0003	-0.0004	0.0006	0.0000
Sunny Vista 33kV	1.4002	0.0000	0.0000	0.0000	1.2000	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
Sunnylope 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	-0.0003	-0.0004	0.0200	-0.0446	-0.0044	0.0049	-0.0009
Sunynvale 12kV	0.0109	-0.0695	-0.0140	0.0024	0.0000	0.0081	-0.0594	-0.0095	0.0027	0.0000	0.0148	-0.0472	-0.0056	0.0018	0.0000	0.0171	-0.0512	-0.0091	-0.0035	0.0000	0.0360	-0.0495	-0.0089	0.0033	0.0000
Sunset 12kV	0.2239	-0.0052	-0.0024	0.0008	0.0000	0.0089	-0.0057	-0.0023	0.0009	0.0000	0.0644	-0.0060	-0.0021	0.0007	0.0000	0.0740	-0.0065	-0.0023	-0.0006	0.0000	0.1066	-0.0609	-0.0022	0.0012	0.0000
Sunwest 12kV	0.0666	-0.0866	-0.0506	0.0020	0.0126	0.0199	-0.0883	-0.0471	0.0024	-0.0031	0.0363	-0.0860	-0.0421	0.0021	0.0005	0.0418	-0.0987	-0.0480	0.0008	0.0000	0.0883	-0.1055	-0.0447	0.0038	-0.0018
Suntan 4.16kV	0.0045	-0.0074	-0.0058	0.0004	0.0003	0.0034	-0.0063	-0.0042	0.0004	-0.0001	0.0062	-0.0054	-0.0028	0.0004	-0.0008	0.0071	-0.0061	-0.0001	0.0002	-0.0004	0.0150	-0.0064	-0.0039	0.0007	0.0000
Suntower 16kV	0.0138	-0.0596	-0.0901	0.0089	0.0078	0.0145	-0.0693	-0.0177	0.0000	-0.0044	0.0458	-0.0723	-0.0044	0.0063	0.0000	0.0526	-0.0949	-0.0048	0.0000	0.0000	0.0112	-0.0794	-0.0071	0.0016	0.0000
Superior 12kV	0.0216	-0.0687	-0.0354	0.0073	0.0000	0.0160	-0.0768	-0.0323	0.0083	0.0000	0.0293	-0.0844	-0.0300	0.0057	0.0000	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	-0.0013	0.1308	-0.0902	-0.1322	0.0075	-0.0018
Surfrider 16kV	0.0338	-0.0107	-0.0191	0.0008	-0.0026	0.0251	-0.0119	-0.0196	0.0009	0.0003	0.0458	-0.0130	-0.0204	0.0000	0.0013	-0.0003	0.0526	-0.0104	-0.0000	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	0.0000	0.0995	-0.1676	-0.0287	-0.0162	0.0000	0.2104	-0.2255	-0.0276	0.0151	0.0000
Surgeon 12kV	0.0196	-0.0663	-0.0226	0.0059	0.0043	0.0138	-0.0619	-0.0181	0.0067	-0.0007	0.0252	-0.0565	-0.0143	0.0043	-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	-0.0049	0.0376	-0.0598	-0.0139	0.0000	0.0000	0.0432	-0.0751	-0.0001	-0.0009	-0.0000	0.0000	-0.0847	-0.0149	0.0001	-0.0013
Surrey 4.16kV	0.0038	-0.0069	-0.0017	0.0026	0.0000	0.0028	-0.0079	-0.0010	0.0030	0.0000	0.0051	-0.0085	-0.0003	0.0000	0.0000	0.0059	-0.0131	-0.0009	-0.0048	0.0000	0.0125	-0.0176	-0.0009	0.0035	0.0000
Surveyor 12kV	0.0046	-0.0284	-0.0164	0.0017	0.0000	0.0034	-0.0305	-0.0162	0.0027	0.0000	0.0062	-0.0320	-0.0016	0.0035	0.0000	0.0071	-0.0354	-0.0165	-0.0107	0.0000	0.0150	-0.0391	-0.0156	0.0063	0.0000
Susan 12kV	0.0227	-0.1475	-0.0349	0.0014	-0.0006	0.0140	-0.1468	-0.0291	0.0017	-0.0014	0.0256	-0.1405	-0.0242	0.0004	-0.0009	0.0295	-0.1768	-0.0282	0.0006	-0.0004	0.0623	-0.2056	-0.0274	0.0026	-0.0018
Susquehanna 12kV	0.0874	-0.0634	-0.0200	0.0026	-0.0004	0.0556	-0.0528	-0.0135	0.0029	-0.0084	0.1016	-0.0436	-0.0080	0.0019	-0.0013	0.1168	-0.0508	-0.0130	-0.0024	-0.0006	0.2468	-0.0552	-0.0127	0.0039	-0.0102
Sutro 4.16kV	0.0047	-0.0130	-0.0031	0.0022	0.0000	0.0035	-0.0159	-0.0018	0.0025	0.0000	0.0064	-0.0185	-0.0007	0.0017	0.0000	0.0074	-0.0302	-0.0017	-0.0040	0.0000	0.0156	-0.0430	-0.0017	0.0029	0.0000
Swift 12kV	0.0195	-0.0509	-0.0244	0.0043	0.0025	0.0145	-0.0499	-0.0195	0.0049	0.0004	0.0365	-0.0475	-0.0155	0.0011	-0.0007	0.0304	-0.0607	-0.0194	-0.0041	0.0000	0.0643	-0.0733	-0.0184	0.0066	0.0000
Swift 12kV	0.0432	-0.0476	-0.0776	0.0010	0.0034	0.0320	-0.0527	-0.0791	0.0012	0.0004	0.0435	-0.0567	-0.0186	0.0017	-0.0012	0.0673	-0.0610	-0.0817	0.0040	0.0000	0.1422	-0.0662	-0.0751	0.0029	-0.0009
Swall 12kV	0.0242	-0.0569	-0.0354	0.0007	0.0022	0.0180	-0.0555	-0.0119	0.0008	-0.0018	0.0328	-0.0529	-0.0293	0.0005	-0.0007	0.0378	-0.0629	-0.0324	-0.0007	-0.0013	0.0798	-0.0719	-0.0302	0.0011	-0.0009
Swanson 12kV	0.1053	-0.0789	-0.0326	0.0012	0.0000	0.0321	-0.0792	-0.0292	0.0014	0.0000	0.1375	-0.0629	-0.0266	0.0009	0.0000	0.0379	-0.0783	-0.0295	-0.0022	0.0000	0.0401	-0.0932	-0.0277	0.0016	0.0000
Swatzke 12kV	0.0338	-0.1474	-0.0143	0.0009	0.0004	0.0251	-0.1402	-0.0091	0.0010	-0.0012	0.0458	-0.1240	-0.0046	0.0006	-0.0051	0.0526	-0.1125	-0.0086	-0.0008	-0.0049	0.1043	-0.1654	-0.0085	0.0013	-0.0009
Sweetwater 12kV	0.0311	-0.0143	-0.0199	0.0028	0.0000	0.0231	-0.0963	-0.0127	0.0031	0.0000	0.0422	-0.0864	-0.0064	0.0021	0.0000	0.0485	-0.1526	-0.0119	-0.0042	0.0000	0.1025	-0.1331	-0.0188	0.0039	0.0000
Sweetwater 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	0.0										

Facility	2018					2019					2020					2021					2022				
	se Demand (MW)	PV (MW) ²¹	EE (MW) ²¹	EV (MW) ²¹	LMDR (MW) ²¹	se Demand (MW)	PV (MW) ²¹	EE (MW) ²¹	EV (MW) ²¹	LMDR (MW) ²¹	se Demand (MW)	PV (MW) ²¹	EE (MW) ²¹	EV (MW) ²¹	LMDR (MW) ²¹	se Demand (MW)	PV (MW) ²¹	EE (MW) ²¹	EV (MW) ²¹	LMDR (MW) ²¹	se Demand (MW)	PV (MW) ²¹	EE (MW) ²¹	EV (MW) ²¹	LMDR (MW) ²¹
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	-0.0003	0.0822	-0.0569	-0.0219	-0.0001	-0.0022	0.1737	-0.0665	-0.0205	0.0019	-0.0013
Teacher 12kV	0.0166	-0.0415	-0.0478	0.0014	0.0038	0.0123	-0.0482	-0.0471	0.0018	-0.0017	0.0225	-0.0476	-0.0470	0.0024	0.0014	0.0259	-0.0504	-0.0472	0.0058	0.0000	0.0547	-0.0531	-0.0444	0.0044	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	0.6756	-0.0416	-0.0544	0.0009	0.0000	0.0264	-0.0450	-0.0500	0.0050	0.0000
Teapot 12kV	0.6287	-0.0780	-0.0252	0.0010	0.0011	0.0107	-0.0746	-0.0092	0.0011	-0.0001	0.0193	-0.0696	-0.0141	0.0007	-0.0031	0.0324	-0.0889	-0.0189	0.0000	0.0000	0.0178	-0.0311	-0.0274	0.0011	-0.0013
Telescope 16kV	0.0165	-0.0798	-0.0219	0.0124	0.0000	0.0122	-0.0696	-0.0148	0.0139	0.0000	0.0233	-0.0580	-0.0087	0.0092	0.0000	0.0256	-0.0544	-0.0184	0.0000	0.0000	0.0542	-0.0726	-0.0139	0.0173	0.0000
Tea 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
Tea 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	-0.0016	-0.0020	0.0000	0.0000	0.0000	-0.0017	-0.0019	0.0000	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
Ten Pin 4.16kV	0.0040	-0.0214	-0.0382	0.0017	0.0000	0.0030	-0.0233	-0.0327	0.0012	-0.0004	0.0054	-0.0235	-0.0309	0.0011	-0.0004	0.0062	-0.0328	-0.0300	0.0004	0.0000	0.0132	-0.0395	-0.0220	0.0020	-0.0009
Tender 12kV	0.0042	-0.0581	-0.0163	0.0019	-0.0002	0.0178	-0.0662	-0.0255	0.0084	0.0004	0.0325	-0.0733	-0.0203	0.0073	-0.0006	0.0047	-0.1089	-0.0253	0.0030	-0.0009	0.0000	-0.1447	-0.0240	0.0135	-0.0035
Teneco 12kV	0.0540	-0.0314	-0.0283	0.0061	0.0000	0.0401	-0.0284	-0.0204	0.0068	0.0000	0.0731	-0.0257	-0.0137	0.0045	0.0000	0.0841	-0.0254	-0.0195	-0.0090	0.0000	0.1777	-0.0280	-0.0131	0.0084	0.0000
Tenor 4.16kV	0.0007	-0.0122	-0.0067	0.0081	0.0000	0.0005	-0.0125	-0.0040	0.0092	0.0000	0.0009	-0.0127	-0.0017	0.0063	0.0000	0.0011	-0.0184	-0.0037	-0.0148	0.0000	0.0023	-0.0250	-0.0037	0.0106	0.0000
Term 12kV	0.0166	-0.0828	-0.0204	0.0068	0.0014	0.0123	-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	-0.0004	0.0547	-0.0967	-0.0142	0.0119	-0.0018
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	-0.0004	-0.0014	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	-0.0096	-0.0028	0.0012	0.0000	0.0206	-0.0057	-0.0022	0.0008	0.0000	0.0237	-0.0064	-0.0027	-0.0016	0.0000	0.0501	-0.0068	-0.0027	0.0015	0.0000
Terra 12kV	0.0132	-0.0310	-0.0382	0.0017	0.0000	0.0074	-0.0369	-0.0235	0.0098	0.0000	0.0179	-0.0233	-0.0063	0.0018	0.0000	0.0216	-0.0378	-0.0266	-0.0036	0.0000	0.0436	-0.0378	-0.0034	0.0133	-0.0009
Terra Cotta 38kV	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	0.0039	0.0067	-0.0471	-0.0250	0.0039	-0.0011	0.0123	-0.0491	-0.0213	0.0028	-0.0015	0.0141	-0.0675	-0.0251	-0.0003	-0.0027	0.0298	-0.0903	-0.0236	0.0060	-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	-0.0023	0.0000	0.0499	-0.0449	-0.0033	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	0.0069	-0.1089	-0.0214	0.0067	-0.0014	0.0079	-0.1400	-0.0262	-0.0008	-0.0027	0.0168	-0.1638	-0.0248	0.0147	-0.0013
Terry 12kV	0.0194	-0.1445	-0.0217	0.0162	-0.0018	0.0144	-0.1442	-0.0129	0.0183	-0.0020	0.0263	-0.1356	-0.0054	0.0119	-0.0009	0.0303	-0.1820	-0.0120	-0.0022	0.0040	0.0640	-0.2181	-0.0121	0.0248	-0.0035
Tesoro 12kV	0.0471	-0.0759	-0.0218	0.0044	-0.0007	0.0350	-0.0753	-0.0144	0.0047	-0.0027	0.0639	-0.0730	-0.0081	0.0033	-0.0012	0.0734	-0.1018	-0.0137	-0.0004	-0.0018	0.1551	-0.1304	-0.0136	0.0034	-0.0022
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	0.0000	0.0434	-0.1420	-0.0191	-0.0159	0.0000	0.0918	-0.1566	-0.0185	0.0346	0.0000
Testarudo 12kV	0.5214	-0.1139	-0.0079	0.0077	-0.0004	0.3869	-0.1137	-0.0050	0.0087	0.0009	0.6024	-0.1056	-0.0025	0.0056	0.0000	0.6973	-0.1368	-0.0047	-0.0073	-0.0000	0.0746	-0.1563	-0.0047	0.0118	-0.0009
Tetley 12kV	0.0000	-0.0079	-0.0066	0.0029	0.0000	0.0000	-0.0085	-0.0056	0.0032	0.0000	0.0000	-0.0087	-0.0049	0.0021	0.0000	0.0000	-0.0098	-0.0056	-0.0027	0.0000	0.0000	-0.0105	-0.0053	0.0044	0.0000
Tetris 12kV	1.0000	-0.5800	-0.0375	0.0035	0.0047	0.8696	-0.5995	-0.0350	0.0044	-0.0002	0.8696	-0.5900	-0.0332	0.0052	-0.0014	0.8696	-0.0722	-0.0354	0.0010	0.0000	0.0230	-0.0832	-0.0331	0.0069	-0.0004
Texas 12kV	0.0194	-0.0784	-0.0895	0.0070	0.0002	0.0144	-0.0863	-0.0883	0.0085	-0.0001	0.0263	-0.0906	-0.0886	0.0074	0.0001	0.0303	-0.1063	-0.0909	0.0030	-0.0004	0.0640	-0.1195	-0.0838	0.0136	-0.0009
Texas 12kV	0.0298	-0.5053	-0.0607	0.0035	0.0013	0.0221	-0.5092	-0.0598	0.0039	0.0002	0.0491	-0.5090	-0.0594	0.0021	0.0001	0.0464	-0.0679	-0.0612	-0.0033	-0.0004	0.0982	-0.0776	-0.0062	0.0565	-0.0013
Texas 12kV	0.0117	-0.0632	-0.0342	0.0024	0.0020	0.0087	-0.0620	-0.0203	0.0027	0.0001	0.0159	-0.0573	-0.0171	0.0018	-0.0009	0.0160	-0.0728	-0.0203	-0.0023	-0.0009	0.0338	-0.0867	-0.0192	0.0037	-0.0022
Thacher 16kV	0.0235	-0.1529	-0.0313	0.0219	0.0000	0.0175	-0.1386	-0.0251	0.0246	0.0000	0.0319	-0.1187	-0.0200	0.0000	0.0367	-0.1333	-0.0247	-0.0326	0.0000	0.0775	-0.1371	-0.0238	0.0305	0.0000	
Thames 12kV	0.0000	-0.0438	-0.0363	0.0015	0.0062	0.0000	-0.0468	-0.0336	0.0017	-0.0002	0.0000	-0.0490	-0.0317	0.0012	-0.0011	0.0000	-0.0639	-0.0342	-0.0000	-0.0004	0.0000	-0.0809	-0.0018	0.0026	-0.0004
Theater 16kV	0.0315	-0.0598	-0.0602	0.0007	0.0026	0.0234	-0.0695	-0.0566	0.0009	-0.0004	0.0427	-0.0773	-0.0541	0.0010	-0.0030	0.0491	-0.1009	-0.0570	0.0002	-0.0004	0.1037	-0.1273	-0.0535	0.0014	-0.0004
Thelma 12kV	0.7056	-0.0899	-0.0452	0.0034	0.0074	0.0042	-0.0990	-0.0404	0.0042	0.0006	0.0076	-0.1013	-0.0367	0.0036	-0.0040	0.0088	-0.1338	-0.0408	0.0015	-0.0018	0.0186	-0.1578	-0.0383	0.0067	-0.0009
Thermador 16kV	0.0493	-0.0268	-0.0080	0.0000	0.0000	0.0366	-0.0301	-0.0396	0.0000	0.0000	0.0688	-0.0329	-0.0406	0.0001	0.0000	0.0768	-0.0353	-0.0404	0.0001	0.0000	0.1623	-0.0385	-0.0375	0.0001	0.0000
Thesus 12kV	0.0712	-0.0080	-0.0083	0.0010	0.0000	0.0090	-0.0091	-0.0099	0.0000	0.0000	0.0931	-0.0138	-0.0081	0.0018	0.0000	0.0711	-0.0102	-0.0079	0.0009	0.0000	0.2263	-0.0108	-0.0077	0.0027	0.0000
Thomas 4.16kV	0.0076	-0.0165	-0.0089	0.0013	0.0015	0.0052	-0.0171	-0.0075	0.0015	0.0007	0.0003	-0.0171	-0.0063	0.0011	-0.0015	0.0118	-0.0228	-0.0075	-0.0001	-0.0004	0.0249	-0.0289	-0.0071	0.0023	0.0000
Thompson 12kV	1.8159	-0.0345	-0.0614	0.0009	0.0040	0.0105	-0.0386	-0.0630	0.0011	0.0005	0.0191	-0.0419	-0.0653	0.0013	-0.0003	0.0220	-0.0436	-0.0651	0.0003	0.0000	0.0465	-0.0459	-0.0598	0.0017	0.0000
Thor 12kV	0.0235	-0.0571	-0.0418	0.0034	0.0067	0.0174	-0.0600	-0.0381	0.0039	-0.0017	0.0318	-0.0615	-0.0353	0.0028	0.0000	0.0366	-0.0763	-0.0381	-0.0006	-0.0018	0.0773	-0.0926	-0.0360	0.0060	-0.0013
Thornburg 12kV	0.0046	-0.0493	-0.0250	0.0014	0.0042	0.0034	-0.0498	-0.0206	0.0016	-0.0015	0.0063	-0.0489	-0.0170	0.0011	-0.0017	0.0072	-0.0651	-0.0205	-0.0001	-0.0004	0.0152	-0.0817	-0.0194	0.0025	-0.0044
Thornston 12kV	0.0597	-0.0668	-0.0176	0.0067	0.0001	0.0409	-0.0628	-0.0122	0.0008	-0.0016	0.0747	-0.0572	-0.0075	0.0007	-0.0014	0.0859	-0.0739								

Facility	2018					2019					2020					2021					2022					
	se Demand (MW)	PV (MW) ²¹	EE (MW) ¹⁸	EV (MW) ¹⁸	LMDR (MW) ¹⁸	se Demand (MW)	PV (MW) ¹⁹	EE (MW) ¹⁹	EV (MW) ¹⁹	LMDR (MW) ¹⁹	se Demand (MW)	PV (MW) ²⁰	EE (MW) ²⁰	EV (MW) ²⁰	LMDR (MW) ²⁰	se Demand (MW)	PV (MW) ²¹	EE (MW) ²¹	EV (MW) ²¹	LMDR (MW) ²¹	se Demand (MW)	PV (MW) ²²	EE (MW) ²²	EV (MW) ²²	LMDR (MW) ²²	
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	0.0000	0.0000	-0.0522	0.0000	0.0000	0.0000
Toil 4.16kV	0.0000	-0.0025	-0.0016	0.0003	0.0004	0.0000	-0.0028	-0.0016	0.0004	0.0007	0.0000	-0.0028	-0.0016	0.0003	-0.0002	0.0000	-0.0035	-0.0016	0.0001	0.0000	0.0000	0.0000	-0.0040	-0.0015	0.0006	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	-0.0004	0.0000	-0.0001	-0.0002	0.0000	0.0000	0.0000	0.0000	-0.0001	-0.0002	0.0000	0.0000
Toltec 12kV	0.0043	-0.0043	-0.0043	0.0014	0.0040	0.0032	-0.0374	-0.0017	0.0058	0.0029	-0.0403	-0.0035	-0.0007	0.0067	0.0045	-0.0382	-0.0438	-0.0382	0.0000	0.0000	0.0000	0.0000	-0.0382	-0.0374	-0.0374	-0.0009
Tolton 12kV	0.0412	-0.0277	-0.0442	0.0006	0.0074	0.0305	-0.0309	-0.0442	0.0007	-0.0005	0.0558	-0.0036	-0.0447	0.0008	-0.0003	0.0641	-0.0349	-0.0450	0.0002	0.0000	0.0000	0.0000	0.1355	-0.0368	-0.0418	0.0011
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	
Tomcat 12kV	0.0168	-0.0081	-0.0285	0.0018	0.0000	0.0125	-0.0930	-0.0184	0.0022	0.0000	0.0258	-0.0814	-0.0097	0.0017	0.0000	0.0262	-0.1113	-0.0174	0.0000	0.0000	0.0553	-0.1341	-0.0172	0.0029	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	0.0016	-0.0004	
Ton 12kV	0.0108	-0.0602	-0.0315	0.0041	0.0000	0.0080	-0.0554	-0.0268	0.0046	0.0000	0.0146	-0.0495	-0.0230	0.0030	0.0000	0.0168	-0.0543	-0.0269	-0.0061	0.0000	0.0355	-0.0570	-0.0253	0.0057	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	-0.0696	0.0005	0.0000	
Tonner 12kV	0.0094	-0.0255	-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	-0.0765	-0.0233	0.0065	-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	-0.0005	0.0000	0.1570	-0.1663	-0.0128	0.0099	0.0000	
Tool 12kV	0.0270	-0.0470	-0.0394	0.0002	0.0061	0.0200	-0.0533	-0.0385	0.0003	-0.0014	0.0366	-0.0582	-0.0380	0.0004	0.0002	0.0420	-0.0711	-0.0384	0.0010	-0.0009	0.0889	-0.0853	-0.0364	0.0007	0.0000	
Topoka 4.16kV	0.0000	-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	0.0012	-0.0241	-0.0035	-0.0010	0.0000	0.0026	-0.0334	-0.0035	0.0022	0.0000	
Topoc 16kV	4.5900	-0.7079	-0.0126	0.0026	0.0007	0.0000	-0.0652	-0.0105	0.0029	0.0012	0.1000	-0.0533	-0.0088	0.0019	-0.0043	0.0000	-0.0611	-0.0105	-0.0024	-0.0035	0.0000	-0.0594	-0.0099	0.0040	-0.0013	
Torchlight 12kV	0.0300	-0.0764	-0.0277	0.0019	0.0021	0.0248	-0.0855	-0.0231	0.0001	0.0405	-0.0911	-0.0193	-0.0015	0.0467	-0.1339	-0.0231	-0.0002	-0.0000	0.0987	-0.1795	-0.0000	-0.0987	-0.1795	-0.0000	0.0000	
Torino 12kV	0.3972	-0.0765	-0.0338	0.0075	-0.0019	0.0298	-0.0628	-0.0277	0.0051	-0.0059	0.0281	-0.0492	-0.0238	0.0079	-0.0015	0.0324	-0.0500	-0.0277	0.0032	-0.0031	0.0694	-0.0474	-0.0252	0.0146	-0.0004	
Tornado 12kV	0.0061	-0.1110	-0.0183	0.0129	0.0000	0.0045	-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	
Toronto 12kV	0.0000	-0.0005	-0.0051	0.0032	0.0000	0.0000	-0.0005	-0.0039	0.0000	0.0000	0.0000	-0.0005	-0.0029	0.0004	0.0000	-0.0079	-0.0038	-0.0030	-0.0030	0.0000	-0.0085	-0.0037	0.0049	0.0000	0.0000	
Torpede 12kV	0.1619	-0.0399	-0.0201	0.0023	0.0000	0.0035	-0.0423	-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	
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	-0.0081	0.0000	0.0199	-0.1671	-0.0093	0.0160	0.0000	
Torro Peak 33kV	0.0190	0.0000	0.0000	0.0010	0.0000	0.0141	0.0000	0.0000	0.0001	0.0000	0.0257	0.0000	0.0000	0.0007	0.0000	0.0296	0.0000	0.0000	-0.0009	0.0000	0.0625	0.0000	0.0000	0.0015	0.0000	
Torso 16kV	0.0174	-0.0002	-0.1209	0.0004	0.0011	0.0278	-0.0895	-0.0005	0.0014	0.0000	0.1260	-0.0005	-0.0002	0.0043	0.0000	0.1107	-0.0004	-0.0002	0.0000	0.2551	0.0000	-0.0004	-0.0004	0.0001	0.0001	
Tortuga 12kV	0.0335	-0.0362	-0.0452	0.0020	0.0000	0.0249	-0.0302	-0.0406	0.0024	-0.0013	0.0419	-0.0342	-0.0372	0.0021	-0.0015	0.0482	-0.0370	-0.0411	0.0009	-0.0062	0.0946	-0.0391	-0.0384	0.0039	0.0000	
Touchdown 12kV	0.0081	-0.0559	-0.0479	0.0017	0.0050	0.0060	-0.0606	-0.0471	0.0020	-0.0012	0.0110	-0.0620	-0.0472	0.0017	-0.0083	0.0126	-0.0728	-0.0485	0.0007	-0.0004	0.0267	-0.0820	-0.0447	0.0032	-0.0009	
Tourmaline 4.16kV	0.0035	-0.0149	-0.0065	0.0075	0.0000	0.0026	-0.0157	-0.0038	0.0005	0.0000	0.0048	-0.0159	-0.0015	0.0059	0.0000	0.0055	-0.0239	-0.0036	-0.0138	0.0000	0.0116	-0.0303	-0.0036	0.0099	0.0000	
Tourney 12kV	0.1738	-0.0870	-0.0429	0.0058	0.0024	0.1290	-0.0832	-0.0386	0.0065	-0.0011	0.0069	-0.0766	-0.0351	0.0046	-0.0011	0.0080	-0.0811	-0.0376	-0.0005	0.0000	0.0169	-0.0820	-0.0363	0.0101	0.0000	
Tower 4.16kV	0.0150	-0.0136	-0.0045	0.0017	0.0003	0.0112	-0.0137	-0.0028	0.0019	-0.0006	0.0204	-0.0134	-0.0014	0.0012	-0.0017	0.0234	-0.0188	-0.0027	-0.0016	-0.0013	0.0495	-0.0246	-0.0026	0.0025	-0.0004	
Towhall 33kV	5.7617	-0.0094	-0.0002	0.0002	0.0000	4.1784	-0.0005	-0.0002	0.0014	0.0000	0.0000	-0.0005	-0.0002	0.0000	0.0000	0.0000	-0.0004	-0.0002	0.0000	0.0000	0.0000	-0.0004	-0.0004	0.0000	0.0000	
Towngate 16kV	0.0244	-0.0674	-0.0206	0.0102	0.0023	0.0181	-0.0653	-0.0148	0.0115	-0.0012	0.0330	-0.0602	-0.0098	0.0074	-0.0010	0.0380	-0.0769	-0.0143	-0.0096	-0.0018	0.0803	-0.0892	-0.0139	0.0155	-0.0040	
Towship 16kV	0.0073	-0.1004	-0.0411	0.0074	0.0032	0.0054	-0.0943	-0.0084	-0.0031	0.0000	0.0099	-0.0892	-0.0288	0.0059	-0.0030	0.0114	-0.1121	-0.0343	-0.0007	-0.0018	0.0242	-0.1382	-0.0124	0.0130	-0.0027	
Towstite 2.4kV	0.0000	-0.0003	-0.0008	0.0000	0.0002	0.0000	-0.0004	-0.0007	0.0000	0.0001	0.0000	-0.0004	-0.0006	0.0000	-0.0004	0.0000	-0.0004	-0.0007	0.0000	0.0000	0.0000	-0.0004	-0.0006	0.0000	0.0000	
Towt 4.16kV	0.0000	-0.0256	-0.0051	0.0001	0.0000	0.0000	-0.0208	-0.0040	0.0001	0.0007	0.0000	-0.0161	-0.0031	0.0001	-0.0011	0.0000	-0.0173	-0.0040	0.0000	0.0000	0.0000	-0.0169	-0.0038	0.0001	-0.0009	
Toyon 12kV	0.1445	-0.0060	-0.0100	0.0008	0.0014	0.0160	-0.0067	-0.0099	0.0009	0.0001	0.0293	-0.0073	-0.0099	0.0008	0.0000	0.0336	-0.0081	-0.0102	0.0003	0.0000	0.0711	-0.0090	-0.0094	0.0015	0.0000	
Trabuco 12kV	0.0140	-0.0383	-0.0173	0.0070	0.0004	0.0104	-0.0357	-0.0116	0.0085	0.0000	0.0190	-0.0323	-0.0068	0.0071	-0.0011	0.0219	-0.0414	-0.0111	0.0030	-0.0009	0.0462	-0.0495	-0.0109	0.0136	-0.0009	
Track 4.16kV	0.0038	-0.0122	-0.0031	0.0029	-0.0004	0.0028	-0.0120	-0.0019	0.0033	-0.0003	0.0051	-0.0116	-0.0009	0.0021	0.0000	0.0000	-0.0161	-0.0028	-0.0009	0.0000	0.0000	-0.0208	-0.0018	0.0045	0.0000	
Tractor 12kV	0.0040	-0.0578	-0.0508	0.0005	0.0048	0.0030	-0.0636	-0.0492	0.0006	-0.0011	0.0054	-0.0681	-0.0478	0.0007	0.0006	0.0063	-0.0729	-0.0475	0.0002	0.0000	0.0132	-0.0787	-0.0461	0.0010	-0.0004	
Tradewind 16kV	3.2338	-0.0937	-0.1107	0.0177	0.0000	0.0089	-0.0251	-0.0998	-0.1078	0.0021	-0.0012	0.0458	-0.1030	-0.1070	0.0142	-0.0003	0.0526	-0.1156	-0.1108	-0.0016	-0.0009	0.1112	-0.1264	-0.1023	0.0310	-0.0004
Trail 4.16kV	0.0000	0.0000	-0.0002	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	0.0000	0.0000	-0.0001	0.0000	0.0000	
Trailblazer 12kV	0.1209	-0.1259	-0.0182	0.0007	-0.0001	0.0897	-0.1203	-0.0138	0.0008	0.0000	0.1638	-0.1072	-0.0101	0.0005	-0.0019	0.1884	-0.1310	-0.0136	-0.0007	-0.0013	0.3981	-0.1420	-0.0130	0.0011	-0.0018	
Train 12kV	0.0217	-0.0672	-0.0208	0.0004	0.0003	0.0161	-0.0673	-0.0161	0.0118	-0.																

Facility	2018					2019					2020					2021					2022				
	se Demand (MW)	PV (MW) ¹⁸	EE (MW) ¹⁸	EV (MW) ¹⁸	LMDR (MW) ¹⁸	se Demand (MW)	PV (MW) ¹⁹	EE (MW) ¹⁹	EV (MW) ¹⁹	LMDR (MW) ¹⁹	se Demand (MW)	PV (MW) ²⁰	EE (MW) ²⁰	EV (MW) ²⁰	LMDR (MW) ²⁰	se Demand (MW)	PV (MW) ²¹	EE (MW) ²¹	EV (MW) ²¹	LMDR (MW) ²¹	se Demand (MW)	PV (MW) ²²	EE (MW) ²²	EV (MW) ²²	LMDR (MW) ²²
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	-0.0006	-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	-0.0394	-0.0055	0.0036	0.0000	0.0029	-0.0413	-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	-0.0296	-0.0136	0.0071	0.0036	0.0030	-0.0590	-0.0076	0.0081	-0.0005	0.0030	-0.0543	-0.0117	0.0023	0.0001	0.0081	-0.0711	-0.0051	-0.0004	0.0000	0.0170	-0.0866	-0.0041	0.0070	0.0000
Verona 4.16kV	0.0000	-0.0144	-0.0068	0.0004	0.0000	0.0000	-0.0472	-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	-0.0968	-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	-0.0029	-0.0010	0.0022	0.0000	0.0000	-0.0026	-0.0006	0.0025	0.0000	0.0000	-0.0022	-0.0000	0.0017	0.0000	0.0000	-0.0026	-0.0005	-0.0033	0.0000	0.0000	-0.0037	-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	0.0040	-0.0266	-0.0026	-0.0003	0.0000	0.0089	-0.0358	-0.0025	0.0006	0.0000
Vivande 12kV	0.3500	-0.6448	-0.0188	0.0123	0.0001	0.0000	-0.0659	-0.0128	0.0139	-0.0007	0.0000	-0.0657	-0.0078	0.0090	-0.0019	0.0000	-0.0922	-0.0123	-0.0116	-0.0022	0.0000	-0.1191	-0.0120	0.0188	-0.0022
Vixas 16kV	0.0255	-0.1777	-0.0379	0.0141	0.0029	0.0190	-0.1720	-0.0282	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
Vicemia 12kV	0.0471	-0.0469	-0.0517	0.0008	0.0000	0.0000	-0.0523	-0.0513	0.0010	0.0000	0.0638	-0.0567	-0.0511	0.0014	0.0000	0.0734	-0.0592	-0.0504	0.0000	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	-0.0182	0.0068	0.0003	0.0198	-0.0296	-0.0171	0.0048	-0.0002	0.0228	-0.0382	-0.0186	-0.0005	0.0000	0.0481	-0.0461	-0.0173	0.0105	0.0000
Viento 12kV	0.0186	-0.1384	-0.0311	0.0053	0.0021	0.1382	-0.1438	-0.0257	0.0060	0.0006	0.5119	-0.1344	-0.0213	0.0039	-0.0030	0.0289	-0.1746	-0.0257	-0.0050	-0.0022	0.0612	-0.2004	-0.0243	0.0081	-0.0031
Viking 4.16kV	0.0027	-0.0187	-0.0281	0.0001	0.0000	0.0020	-0.0285	-0.0008	0.0048	-0.0002	0.0037	-0.0255	-0.0013	0.0034	-0.0002	0.0042	-0.0392	-0.0092	-0.0004	0.0089	0.0089	-0.0465	-0.0032	0.0073	0.0000
Villa 4.16kV	0.0007	-0.0180	-0.0072	0.0088	0.0000	0.0005	-0.0186	-0.0042	0.0100	0.0000	0.0059	-0.0186	-0.0015	0.0059	0.0000	0.0011	-0.0273	-0.0038	0.0000	0.0000	0.0023	-0.0366	-0.0039	0.0115	0.0000
Village 4.16kV	0.0146	-0.0167	-0.0031	0.0011	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	0.0528	-0.0244	-0.0018	0.0016	-0.0009
Viminal 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	0.4162	-0.0254	-0.0116	-0.0002	-0.0049	0.7168	-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	0.0020	-0.0005	0.0198	-0.0327	-0.0199	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	-0.0352	0.0000	0.0446	-0.1217	-0.0430	0.0329	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	0.0029	0.0000	0.0058	-0.0578	-0.0024	-0.0068	0.0000	0.0122	-0.0777	-0.0025	0.0049	0.0000
Volin 12kV	0.0402	-0.0402	-0.0281	0.0101	0.0000	0.0184	-0.0426	-0.0113	0.0034	0.0000	0.0396	-0.0454	-0.0075	0.0034	0.0000	0.0444	-0.0270	-0.0150	-0.0000	0.0000	0.0142	-0.0402	-0.0251	0.0141	0.0000
Viper 12kV	1.9246	-0.0517	-0.0600	0.0012	0.0053	0.3059	-0.0591	-0.0015	0.0003	0.0062	-0.0586	-0.0593	0.0021	-0.0004	0.0071	-0.0702	-0.0609	-0.0049	-0.0004	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	0.0025	0.0057	0.0910	-0.0266	-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	0.0030	-0.0520	-0.0217	0.0000	0.0055	-0.0559	-0.0212	0.0020	0.0000	0.0063	-0.0595	-0.0208	-0.0000	0.0000	0.0133	-0.0633	-0.0202	0.0018	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	-0.0491	-0.0073	0.0006	0.0000	0.0041	-0.0488	-0.0047	0.0008	0.0000	0.0041	-0.0512	-0.0025	0.0006	0.0000	0.0041	-0.0732	-0.0045	-0.0005	0.0000	0.0041	-0.0911	-0.0044	0.0010	0.0000
Vitamin 12kV	0.0007	-0.0476	-0.0526	0.0025	0.0029	0.0138	-0.0511	-0.0029	0.0029	0.0002	0.0252	-0.0528	-0.0234	0.0020	-0.0017	0.0389	-0.0598	-0.0026	-0.0000	0.0000	0.0612	-0.0650	-0.0495	0.0044	0.0000
Vogan 4.16kV	0.0038	-0.0111	-0.0015	0.0009	0.0000	0.0028	-0.0111	-0.0008	0.0010	0.0000	0.0051	-0.0107	-0.0003	0.0007	0.0000	0.0059	-0.0152	-0.0008	-0.0001	-0.0004	0.0125	-0.0197	-0.0008	0.0015	0.0000
Volley 12kV	0.0300	-0.0550	-0.0189	0.0030	0.0010	0.0222	-0.0517	-0.0140	0.0034	-0.0007	0.0465	-0.0474	-0.0099	0.0022	-0.0100	0.0467	-0.0604	-0.0137	-0.0029	-0.0040	0.0986	-0.0718	-0.0132	0.0046	-0.0013
Volumo 12kV	0.0335	-0.0337	-0.0202	0.0045	0.0006	0.0249	-0.0295	-0.0153	0.0051	-0.0040	0.0419	-0.0256	-0.0111	0.0033	0.0002	0.0482	-0.0292	-0.0150	-0.0043	-0.0044	0.0946	-0.0314	-0.0144	0.0069	-0.0018
Von 12kV	0.0108	-0.0246	-0.0262	0.0006	0.0071	0.0080	-0.0275	-0.0262	0.0007	0.0030	0.0146	-0.0299	-0.0265	0.0009	0.0008	0.0168	-0.0311	-0.0262	-0.0000	0.0000	0.0355	-0.0327	-0.0247	0.0012	0.0000
Vortex 12kV	0.0061	-0.0552	-0.0273	0.0024	0.0001	0.0045	-0.0562	-0.0248	0.0030	-0.0002	0.0082	-0.0553	-0.0227	0.0036	-0.0012	0.0094	-0.0658	-0.0242	0.0007	-0.0009	0.0199	-0.0746	-0.0233	0.0047	-0.0018
Vostok 12kV	0.0008	-0.0088	-0.0038	0.0006	0.0000	0.0080	-0.0095	-0.0036	0.0039	0.0000	0.0146	-0.0108	-0.0034	0.0012	0.0000	0.0000	-0.0199	-0.0035	-0.0002	0.0000	0.0355	-0.0118	-0.0035	0.0014	0.0000
Voyager 12kV	0.0046	-0.0301	-0.0459	0.0021	-0.0038	0.0034	-0.0333	-0.0467	0.0024	-0.0004	0.0062	-0.0358	-0.0480	0.0017	0.0004	0.0071	-0.0379	-0.0482	-0.0002	-0.0004	0.0150	-0.0405	-0.0443	0.0036	-0.0004
Vulcan 33kV	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	-0.0001	0.0000	0.0000	0.0000	0.0001	0.0000	0.0000
Vultair 12kV	0.0094	-0.0323	-0.0245	0.0033	0.0000	0.0070	-0.0347	-0.0225	0.0038	0.0000	0.0128	-0.0362	-0.0211	0.0026	0.0000	0.0147	-0.0422	-0.0229	-0.0061	0.0000	0.0311	-0.0488	-0.0213	0.0041	0.0000
Vultee 16kV	0.0251	-0.0005	-0.0641	0.0012	0.0045	0.0155	-0.0747	-0.0608	0.0015	0.0012	0.0284	-0.0819	-0.0588	0.0018	-0.0028	0.0326	-0.1088	-0.0622	0.0004	-0.0009	0.0690	-0.1339	-0.0577	0.0024	-0.0009
Waco 12kV	0.0048	-0.0642	-0.0189	0.0042	0.0054	0.0036	-0.0689	-0.0160	0.0048	-0.0000	0.0065	-0.0694	-0.0137	0.0031	-0.0027	0.0075	-0.0926	-0.0160	-0.0040	0.0000	0.0158	-0.1094	-0.0151	0.0065	-0.0004
Wadsworth 4.16kV	0.0047	-0.0394	-0.0064	0.0068	0.0000	0.0035	-0.0367	-0.0039	0.0083	0.0000	0.0064	-0.0311	-0.0018	0.0062	0.0000	0.0073	-0.0362	-0.0038	-0.0						

Facility	2018					2019					2020					2021					2022					
	se Demand (MW)	PV (MW) ²¹	EE (MW) ²¹	EV (MW) ²¹	LMDR (MW) ²¹	se Demand (MW)	PV (MW) ²¹	EE (MW) ²¹	EV (MW) ²¹	LMDR (MW) ²¹	se Demand (MW)	PV (MW) ²¹	EE (MW) ²¹	EV (MW) ²¹	LMDR (MW) ²¹	se Demand (MW)	PV (MW) ²¹	EE (MW) ²¹	EV (MW) ²¹	LMDR (MW) ²¹	se Demand (MW)	PV (MW) ²¹	EE (MW) ²¹	EV (MW) ²¹	LMDR (MW) ²¹	
Welcome 4.8kW	0.0000	-0.0071	-0.0038	0.0004	-0.0009	0.0000	-0.0060	-0.0022	0.0004	-0.0004	0.0000	-0.0050	-0.0009	0.0003	0.0000	0.0000	-0.0059	-0.0020	0.0000	-0.0009	0.0000	0.0000	-0.0065	-0.0021	0.0006	0.0000
Wells 12kW	4.1373	-0.0542	-0.0216	0.0017	0.0115	0.0500	-0.0460	-0.0179	0.0019	-0.0026	0.0913	-0.0408	-0.0149	0.0012	0.0020	0.1049	-0.0435	-0.0178	-0.0016	-0.0022	0.2217	-0.0433	-0.0171	0.0025	-0.0013	0.0000
Wesley 4.16kW	0.0060	-0.0308	-0.0054	0.0032	0.0008	0.0045	-0.0295	-0.0037	0.0036	-0.0005	0.0081	-0.0217	-0.0023	0.0023	0.0001	0.0093	-0.0277	-0.0036	-0.0030	0.0000	0.0197	-0.0278	-0.0035	0.0049	0.0000	
West City 4.16kW	0.0000	-0.0091	-0.0028	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
Westbluff 12kW	0.0290	-0.0565	-0.0216	0.0055	0.0002	0.0014	-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	-0.0018	0.0954	-0.0824	-0.0038	0.0096	-0.0004	0.0000
Westbrook 12kW	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	-0.0004	0.0506	-0.0221	-0.0135	0.0027	-0.0009	0.0000
Westend 12kW	0.0000	-0.0007	-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	-0.0013	-0.0000	0.0000	0.0000	0.0000	-0.0000	-0.0001	0.0001	0.0000	0.0000
Western 16kW	0.0433	-0.1610	-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	-0.0203	0.0025	0.0000	0.1426	-0.0214	-0.0191	0.0018	0.0000	0.0000
Westfall 4.16kW	0.0000	-0.0310	-0.0043	0.0044	0.0000	0.0000	-0.0000	-0.0026	0.0046	0.0000	0.0000	-0.0255	-0.0011	0.0030	0.0000	0.0467	-0.0270	-0.0024	-0.0061	0.0000	0.0000	-0.0273	-0.0024	0.0057	0.0000	0.0000
Westfield 12kW	0.0300	-0.0337	-0.0566	0.0020	0.0049	0.0223	-0.0377	-0.0581	0.0022	-0.0010	0.0408	-0.0409	-0.0603	0.0016	0.0004	0.0467	-0.0426	-0.0602	-0.0002	0.0000	0.0987	-0.0449	-0.0552	0.0034	0.0000	0.0000
Weston 12kW	0.3440	-0.0181	-0.0090	0.0000	0.0000	0.0711	-0.0210	-0.0089	0.0000	0.0000	0.0772	-0.0217	-0.0088	0.0000	0.0000	0.0807	-0.0226	-0.0008	0.0001	0.0000	0.0855	-0.0238	-0.0089	0.0000	0.0000	0.0000
Wetherly 4.16kW	0.0000	-0.0069	-0.0014	0.0013	0.0000	0.0000	-0.0079	-0.0011	0.0010	0.0000	0.0000	-0.0064	-0.0009	0.0030	0.0000	0.0000	-0.0110	-0.0011	0.0002	0.0000	0.0000	-0.0133	-0.0011	0.0043	0.0000	0.0000
White 16kW	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	-0.0021	0.0228	-0.0573	-0.0380	0.0009	0.0000	0.0481	-0.0721	-0.0350	0.0040	-0.0004	0.0000
Why 12kW	0.0963	-0.0683	-0.0269	0.0013	0.0028	0.0932	-0.0646	-0.0213	0.0015	-0.0017	0.0328	-0.0594	-0.0137	0.0010	-0.0021	0.0378	-0.0733	-0.0211	-0.0013	-0.0027	0.0798	-0.0853	-0.0201	0.0021	-0.0009	0.0000
Whip 12kW	0.0068	-0.0897	-0.0236	0.0056	0.0000	0.0050	-0.0814	-0.0160	0.0062	0.0000	0.0091	-0.0719	-0.0096	0.0041	0.0000	0.0105	-0.0891	-0.0153	-0.0083	0.0000	0.0222	-0.1027	-0.0151	0.0077	0.0000	0.0000
Whipstock 12kW	0.0000	-0.0249	-0.0123	0.0000	0.0000	0.0000	-0.0249	-0.0082	0.0129	-0.0001	0.0000	-0.0243	-0.0048	0.0063	-0.0007	0.0000	-0.0333	-0.0078	-0.0107	0.0000	0.0000	-0.0426	-0.0077	0.0174	0.0000	0.0000
Whiskey 12kW	0.0045	-0.0730	-0.0150	0.0144	0.0001	0.0051	-0.0773	-0.0089	0.0152	0.0004	0.0065	-0.0778	-0.0036	0.0003	0.0011	0.0070	-0.1123	-0.0082	0.0135	-0.0008	0.0148	-0.1455	-0.0083	0.0220	-0.0027	0.0000
Whisper 12kW	0.0412	-0.0455	-0.0483	0.0010	0.0000	0.0305	-0.0506	-0.0471	0.0014	0.0000	0.0558	-0.0548	-0.0463	0.0020	0.0000	0.0641	-0.0576	-0.0460	0.0004	0.0000	0.1355	-0.0613	-0.0442	0.0022	0.0000	0.0000
Whitaker 12kW	0.0000	-0.0494	-0.0312	0.0061	0.0021	0.0000	-0.0494	-0.0301	0.0000	0.0000	-0.0493	-0.0301	-0.0295	0.0045	-0.0000	0.0000	-0.0555	-0.0308	-0.0057	-0.0009	0.0000	-0.0620	-0.0286	0.0093	-0.0004	0.0000
White 4.16kW	0.0004	-0.0123	-0.0060	0.0005	0.0000	0.0033	-0.0128	-0.0034	0.0046	0.0000	0.0059	-0.0129	-0.0012	0.0004	0.0000	0.0068	-0.0192	-0.0031	-0.0004	0.0000	0.0144	-0.0265	-0.0042	0.0008	0.0000	0.0000
Whitfield 16kW	0.0027	-0.1491	-0.0230	0.0125	-0.0032	0.0360	-0.1444	-0.0158	0.0111	-0.0048	0.0657	-0.1326	-0.0097	0.0100	-0.0039	0.0756	-0.1709	-0.0152	-0.0011	-0.0071	0.1598	-0.1981	-0.0019	0.0218	-0.0040	0.0000
Whitford 12kW	0.0205	-0.0796	-0.0112	0.0016	0.0000	0.0152	-0.0790	-0.0069	0.0020	0.0000	0.0278	-0.0748	-0.0032	0.0015	0.0000	0.0319	-0.0941	-0.0065	-0.0012	0.0000	0.0675	-0.1067	-0.0065	0.0026	0.0000	0.0000
Whitstone 12kW	0.0405	-0.0405	-0.0552	0.0005	0.0010	0.0217	-0.0452	-0.0056	0.0036	0.0000	0.0271	-0.0452	-0.0073	0.0014	0.0000	0.0271	-0.0569	-0.0000	0.0000	0.0000	0.0664	-0.0578	-0.0000	0.0000	0.0000	0.0000
Whitstone 12kW	0.0506	-0.0381	-0.0263	0.0011	0.0058	0.0350	-0.0269	0.0013	-0.0036	0.0686	-0.0340	-0.0250	0.0012	-0.0015	0.0788	-0.0380	-0.0271	-0.0005	-0.0018	0.1666	-0.0412	-0.0254	0.0022	0.0000	0.0000	0.0000
Whitstone 16kW	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	-0.0009	0.0000	0.1539	-0.0906	-0.0075	0.0019	0.0000	0.0000
Whiting 16kW	0.0149	-0.1112	-0.1938	0.0005	0.0000	0.0000	-0.1144	-0.1988	0.0006	0.0000	0.0202	-0.1351	-0.2061	0.0008	0.0000	0.0232	-0.1405	-0.2055	0.0013	0.0000	0.2100	-0.1480	-0.1888	0.0012	0.0000	0.0000
Whitlock 4.16kW	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	0.0118	-0.0141	-0.0020	-0.0003	0.0000	0.0249	-0.0181	-0.0019	0.0004	-0.0004	0.0000	0.0000
Whitmore 16kW	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	-0.0527	-0.0428	0.0029	0.0000	0.0000
Whitsett 16kW	0.0355	-0.0132	-0.0084	0.0008	0.0000	0.0263	-0.0145	-0.0076	0.0009	0.0000	0.0489	-0.0154	-0.0071	0.0004	0.0000	0.0552	-0.0188	-0.0078	-0.0014	0.0000	0.1168	-0.0228	-0.0073	0.0010	0.0000	0.0000
Whitworth 16kW	0.0090	-0.0140	-0.0240	0.0007	0.0005	0.0067	-0.0157	-0.0242	0.0009	0.0004	0.0122	-0.0170	-0.0248	0.0013	-0.0004	0.0140	-0.0182	-0.0250	0.0030	0.0000	0.0295	-0.0195	-0.0230	0.0022	0.0000	0.0000
Whizbin 16kW	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	-0.0000	0.0000	0.0707	-0.0887	-0.0133	0.0056	-0.0013	0.0000
Wichita 12kW	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	0.0075	-0.0632	-0.0258	-0.0002	-0.0004	0.0158	-0.0782	-0.0239	0.0041	0.0000	0.0000
Wigton 16kW	0.0181	-0.1059	-0.0329	0.0028	0.0100	0.0134	-0.1038	-0.0289	0.0033	-0.0028	0.0245	-0.0976	-0.0251	0.0029	0.0100	0.0281	-0.1206	-0.0287	-0.0012	-0.0027	0.0595	-0.1373	-0.0272	0.0053	-0.0022	0.0000
Wigwag 12kW	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	0.0137	-0.1586	-0.0112	0.0045	0.0000	0.0000
Wilbur 12kW	0.0787	-0.1488	-0.0081	0.0016	0.0000	0.0584	-0.0199	-0.0072	0.0019	0.0000	0.1067	-0.0286	-0.0064	0.0014	0.0000	0.1227	-0.0225	-0.0071	-0.0012	0.0000	0.2592	-0.0245	-0.0071	0.0025	0.0000	0.0000
Wilcox 16kW	0.0652	-0.0520	-0.0207	0.0006	0.0000	0.0484	-0.0597	-0.0194	0.0001	0.0000	0.0684	-0.0560	-0.0184	0.0012	0.0000	0.1016	-0.0897	-0.0187	0.0025	0.0000	0.2148	-0.0974	-0.0182	0.0015	0.0000	0.0000
Wildcat 16kW	0.0295	-0.0328	-0.0231	0.0025	0.0025	0.0219	-0.0346	-0.0202	0.0028	0.0009	0.0399	-0.0354	-0.0179	0.0018	-0.0010	0.0459	-0.0466	-0.0204	-0.0023	-0.0031	0.0970	-0.0593	-0.0191	0.0038	-0.0009	0.0000
Wildflower 12kW	0.0410	-0.0608	-0.0032	0.0001	0.0008	0.0419	-0.0075	-0.0032	0.0001	0.0004	0.0322	-0.0082	-0.0032	0.0001	0.0000	0.0336	-0.0085	-0.0032	0.0000	0.0000	0.0355	-0.0090	-0.0032	0.0000	0.0000	0.0000
Wildomar 33kW	0.0361	-0.0001	0.0000	0.0036	0.0000	0.0268	-0.0001	0.0000	0.0041	0.0000	0.0489	-0.0001	0.0000	0.0027	0.0000	0.0562	-0.0001	0.0000	-0.0054	0.0000	0.1188	-0.0001	0.0000	0.0051	0.0000	0.0000
Wildwood 16kW	0.0016	-0.0933	-0.0249	0.0096	0.0006	0.0012																				

Facility	2018				2019				2020				2021				2022									
	se Demand (MW)	PV (MW) ¹⁸	EE (MW) ¹⁸	EV (MW) ¹⁸	LMDR (MW) ¹⁸	se Demand (MW)	PV (MW) ¹⁹	EE (MW) ¹⁹	EV (MW) ¹⁹	LMDR (MW) ¹⁹	se Demand (MW)	PV (MW) ²⁰	EE (MW) ²⁰	EV (MW) ²⁰	LMDR (MW) ²⁰	se Demand (MW)	PV (MW) ²¹	EE (MW) ²¹	EV (MW) ²¹	LMDR (MW) ²¹	se 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	0.0000	0.0000	-0.0193	-0.0021	-0.0003	0.0000	0.0000	-0.0260	-0.0021	0.0055	-0.0009
Worth 12kV	0.0133	-0.0552	-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	0.0000	0.0474	-0.0262	-0.0291	0.0007	-0.0004
Wutuchuma 12kV	0.0573	-0.0531	-0.0190	0.0011	0.0000	0.0573	-0.0501	-0.0127	0.0112	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	0.0306	-0.0931	-0.0396	0.0037	-0.0036	0.0558	-0.0847	-0.0355	0.0033	0.0003	0.2691	-0.1007	-0.0388	0.0113	-0.0018	0.0000	0.5667	-0.1140	-0.0374	0.0060	-0.0027
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	-0.0251	-0.0009	-0.0004	0.0170	-0.1790	-0.0253	0.0168	-0.0031	
Xerox 12kV	0.2174	-0.0229	-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	-0.0421	0.0008	0.0000	2.1739	-0.0305	-0.0387	0.0021	0.0000	
Ximeno 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	-0.0051	-0.0208	0.0000	0.0000	-0.1080	-0.0051	0.0195	0.0000	
Yahzee 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 16kV	0.0106	-0.0045	-0.0022	0.0032	0.0000	0.0079	-0.0050	-0.0014	0.0036	0.0000	0.0144	-0.0056	-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	0.0000	-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	-0.0551	-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	-0.0000	-0.0004	0.0191	-0.0383	-0.0094	0.0027	-0.0004	
Yellowstone 12kV	0.0874	-0.0559	-0.0203	0.0032	0.0000	0.0847	-0.0446	-0.0120	0.0036	0.0000	0.1548	-0.0374	-0.0048	0.0023	0.0000	0.1168	-0.0439	-0.0111	-0.0047	0.0000	0.2468	-0.0478	-0.0111	0.0044	0.0000	
Yellowwall 12kV	0.0075	-0.1084	-0.0428	0.0212	0.0057	0.0056	-0.1131	-0.0335	0.0239	-0.0014	0.0102	-0.1223	-0.0257	0.0155	-0.0011	0.0117	-0.1687	-0.0391	-0.0199	-0.0018	0.0247	-0.2078	-0.0615	0.0323	-0.0013	
Yon 12kV	0.0488	-0.1202	-0.0908	0.0053	0.0011	0.0362	-0.1303	-0.0889	0.0064	0.0015	0.0661	-0.1337	-0.0884	0.0056	-0.0029	0.0760	-0.1658	-0.0913	0.0023	-0.0004	0.1607	-0.0843	-0.0103	0.0103	-0.0013	
York 4.16kV	0.0008	-0.0328	-0.0064	0.0036	0.0000	0.0006	-0.0385	-0.0041	0.0044	0.0000	0.0010	-0.0422	-0.0020	0.0033	0.0000	0.0012	-0.0641	-0.0038	-0.0027	0.0000	0.0025	-0.0849	-0.0038	0.0058	0.0000	
Yoda 12kV	0.0160	-0.0360	-0.0269	0.0021	0.0029	0.0119	-0.0359	-0.0255	0.0024	0.0018	0.0217	-0.0352	-0.0245	0.0017	0.0001	0.0250	-0.0398	-0.0219	-0.0002	0.0000	0.0528	-0.0438	-0.0242	0.0037	0.0000	
Yogi 12kV	0.0073	-0.1225	-0.0339	0.0272	0.0000	0.0056	-0.1228	-0.0220	0.0309	0.0000	0.0098	-0.1203	-0.0118	0.0213	0.0000	0.0113	-0.1677	-0.0209	-0.0497	0.0000	0.0239	-0.2178	-0.0206	0.0357	0.0000	
Yorba 4.16kV	0.0076	-0.0167	-0.0046	0.0012	0.0004	0.0054	-0.0162	-0.0033	0.0013	-0.0003	0.0000	-0.0000	-0.0021	-0.0002	0.0000	0.0000	-0.0207	-0.0032	-0.0000	0.0000	0.0279	-0.0257	-0.0031	0.0021	-0.0004	
York 4.16kV	0.0021	-0.0090	-0.0026	0.0018	0.0000	0.0016	-0.0100	-0.0017	0.0022	0.0000	0.0029	-0.0104	-0.0010	0.0016	0.0000	0.0033	-0.0145	-0.0016	-0.0013	0.0000	0.0070	-0.0179	-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	-0.0021	0.0574	-0.0521	-0.0308	0.0049	-0.0015	0.0660	-0.0697	-0.0240	-0.0063	-0.0009	0.1396	-0.0899	-0.0225	0.0102	-0.0027	
Yosemite 16kV	0.0073	-0.0728	-0.0450	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	-0.0000	-0.0013	0.0242	-0.1004	-0.0426	0.0103	-0.0022	
Young 16kV	0.0124	-0.0122	-0.0174	0.0039	0.0027	0.0092	-0.0138	-0.0169	0.0044	-0.0003	0.0168	-0.0147	-0.0168	0.0031	0.0000	0.0193	-0.0167	-0.0174	-0.0004	-0.0009	0.0409	-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	-0.0690	-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	0.0000	0.0840	-0.0407	-0.0344	0.0014	0.0000	
Yuban 12kV	0.0071	-0.0626	-0.0341	0.0013	0.0004	0.0053	-0.0596	-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	0.0222	-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	-0.0228	0.0229	-0.0561	-0.0406	0.0015	-0.0004	0.0485	-0.0651	-0.0376	0.0066	-0.0027	
Yucca 4.16kV	0.0000	-0.0139	-0.0032	0.0004	0.0001	0.0000	-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	-0.0049	0.0000	0.0571	-0.0801	-0.0025	0.0046	0.0000	
Yuma 12kV	0.0051	-0.0287	-0.0000	0.0004	0.0000	0.0038	-0.0330	0.0000	0.0007	0.0000	0.0069	-0.0361	0.0000	0.0011	0.0000	0.0080	-0.0482	0.0000	0.0006	0.0000	0.0169	-0.0599	0.0000	0.0010	0.0000	
Zamorra 16kV	0.0367	-0.0599	-0.0470	0.0007	0.0000	0.0272	-0.0645	-0.0458	0.0009	0.0000	0.0497	-0.0670	-0.0450	0.0013	0.0000	0.0572	-0.0741	-0.0449	-0.0003	0.0000	0.1209	-0.0801	-0.0430	0.0015	0.0000	
Zane 12kV	0.1192	-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	-0.0661	-0.0373	0.0011	-0.0009	0.0620	-0.0806	-0.0347	0.0049	-0.0009	
Zantia 12kV	0.0290	-0.0638	-0.0204	0.0018	-0.0008	0.0213	-0.0613	-0.0146	0.0021	-0.0001	0.0392	-0.0576	-0.0097	0.0018	-0.0010	0.0451	-0.0768	-0.0142	0.0008	-0.0013	0.0954	-0.0945	-0.0137	0.0034	-0.0131	
Zante 12kV	0.0896	-0.0417	-0.0049	0.0005	0.0000	0.0641	-0.0404	-0.0038	0.0008	0.0000	0.1170	-0.0372	-0.0030	0.0010	0.0000	0.1345	-0.0447	-0.0037	0.0000	0.0000	0.2844	-0.0487	-0.0037	0.0018	0.0000	
Zapata 12kV	0.0088	-0.0397	-0.0224	0.0003	0.0016	0.0065	-0.0461	-0.0199	0.0004	-0.0001	0.0119	-0.0504	-0.0179	0.0003	-0.0003	0.0137	-0.0706	-0.0200	0.0001	-0.0013	0.0290	-0.0905	-0.0188	0.0006	-0.0004	
Zappa 12kV	0.0068	-0.0971	-0.0145	0.0028	0.0000	0.0050	-0.0871	-0.0089	0.0032	0.0000	0.0091	-0.0757	-0.0040	0.0022	0.0000	0.0105	-0.0954	-0.0083	-0.0051	0.0000	0.0222	-0.1109	-0.0883	0.0037	0.0000	
Zasadni 12kV	0.0581	-0.1051	-0.0170	0.0019	0.0000	0.0431	-0.0937	-0.0104	0.0021	0.0000	0.0787	-0.0779	-0.0047	0.0014	0.0000	0.0905	-0.0908	-0.0097	-0.0028	0.0000	0.1912	-0.0937	-0.0097	0.0026	0.0000	
Zebra 16kV	0.0146	-0.0603	-0.0541	0.0021	0.0062	0.0108	-0.0518	-0.0027	-0.0009	0.0000	0.0198	-0.0774	-0.0505	0.0032	-0.0011	0.0228	-0.1054	-0.0530	0.0007	-0.0009	0.0481	-0.1349	-0.0491	0.0043	-0.0009	
Zebra 12kV	0.8166	-0.0501	-0.0264	0.0110	0.0000	0.8123	-0.0528	-0.0237	0.0124	0.0000	0.8225	-0.0543</														