

April 1, 2025

VIA ELECTRONIC FILING

Ms. Nancy Dippell, Secretary Missouri Public Service Commission P.O. Box 360 Jefferson City, MO 65102

RE: The Empire District Electric Company d/b/a Liberty ("Liberty-Empire") Commission Case No. EO-2024-0280

Dear Judge Dippell:

Pursuant to Commission Rules 20 CSR 4240-22.010 through 20 CSR 4240-22.080 and the Commission's *Order Granting Variance* issued May 30, 2024, Liberty-Empire hereby submits its 2025 triennial integrated resource plan ("IRP").

This IRP filing contains eight volumes, as listed below, including an executive summary volume, a volume dedicated to the Missouri IRP filing requirements and an Index of Rule Compliance, and six technical volumes. The ordering and subject matter of the IRP volumes closely correspond to the IRP Rule sections. The technical volumes contain the applicable rule reference and the Company's response as appropriate. The responses to Special Contemporary Issues can be found in Volume 6.

Volume 1: Executive Summary

Volume 2: Missouri Filing Requirements and an Index of Rule Compliance

Volume 3: Load Analysis and Load Forecasting (20 CSR 4240-22.030)

Volume 4: Supply-Side Resource Analysis (20 CSR 4240-22.040)

Volume 4.5: Transmission and Distribution Analysis (20 CSR 4240-22.045)

Volume 5: Demand-Side Resource Analysis (20 CSR 4240-22.050)

Volume 6: Integrated Resource Plan and Risk Analysis (20 CSR 4240-22.060)

Volume 7: Resource Acquisition Strategy Selection (20 CSR 4240-22.070)

Please see attached for portions of this filing that are designated as Confidential in accordance with Commission Rule 20 CSR 4240-2.135(2) and/or the protective order issued herein.

In accordance with Commission Rule 20 CSR 4240-22.080(2)(A), attached hereto is a document expressing commitment to the approved preferred resource plan and resource acquisition strategy signed by Mr. Tim Wilson, Liberty President, Central Region-Electric.

Please do not hesitate to contact me with any questions or concerns you may have regarding this matter, and please bring this triennial IRP filing to the attention of the Commissioners and the appropriate Commission personnel.

Sincerely,

Diana Carter

THE EMPIRE DISTRICT ELECTRIC COMPANY d/b/a LIBERTY (LIBERTY-EMPIRE) 2025 INTEGRATED RESOURCE PLAN

COMMITMENT TO THE APPROVED PREFERRED RESOURCE PLAN

FILE NO. EO-2024-0280

In accordance with Missouri Public Service Commission Rule 20 CSR 4240-22, The Empire District Electric Company d/b/a Liberty (Liberty-Empire) developed, described and documented, and now officially adopts for implementation, the preferred resource plan and resource acquisition strategy contained in this filing.

As required, the adopted resource acquisition strategy consists of a preferred resource plan; an implementation plan; and a set of contingency resource plans. I hereby further commit to provide the notice called for by Commission Rule 20 CSR 4240-22, if Liberty-Empire should, between triennial compliance filings, decide to take actions materially inconsistent with the preferred resource plan.

Tim Wilson

President, Central Region-Electric

Dated

CONFIDENTIAL DESIGNATIONS

The Empire District Electric Company d/b/a Liberty

EO-2024-0280

RE: All confidential forecasting, analyses, and content of Liberty-Empire's 2025 Integrated Resource Plan

Certain information contained in Liberty's 2025 Integrated Resource Plan ("IRP"), as specifically listed below, is designated "Confidential" in accordance with Commission Rule 20 CSR 4240-2.135(2)(A). The confidentiality shall be maintained consistent with that Rule and/or Section 386.480 RSMo., as the case may be.

Certain information provided in the IRP is designated "Confidential" in accordance with Commission Rule 20 CSR 4240-2.135(2)(A)1 on the basis that it contains customer-specific information, such as a large customer forecasted as a separate rate class. In efforts to keep the customer's information private, references are designated Confidential.

Certain information provided in the IRP is designated "Confidential" in accordance with Commission Rule 20 CSR 4240-2.135(2)(A)3 due to it containing marketing analysis or other market specific information related to services offered in competition with others, such as outage and maintenance rates for generation units. Public disclosure of outage and maintenance rates could negatively affect Liberty's place in the wholesale electric market, in turn harming Liberty's customers.

Certain information provided in the IRP is designated "Confidential" in accordance with Commission Rule 20 CSR 4240-2.135(2)(A)5, as it contains proprietary or otherwise confidential reports, work papers, or other documentation produced by consultants. As part of the work performed in this IRP, Liberty enlisted the expertise of consultants such as Charles River Associates (CRA), Itron, Applied Energy Group (AEG), and PowerGem (formerly known as Astrape). The work performed by these consultants includes proprietary models that create forecasts for company load and peaks; fuel, market, and emissions prices; financial assumptions; capacity positions; and reliability metrics. As a result, the work and results provided by these consultants is designated Confidential.

Certain information provided in the IRP is designated "Confidential" in accordance with Commission Rule 20 CSR 4240-2.135(2)(A)6, strategies employed, to be employed, or under consideration in contract negotiations, such as matters under consideration regarding Liberty's minority ownership share in and long-term PPA with Plum Point. The analysis performed of potential future changes at the facility could impact future contract negotiations, which, in turn, could negatively affect Liberty's ability to provide the most economical services to customers.

Certain information provided in the IRP is designated "Confidential" in accordance with Commission Rule 20 CSR 4240-2.135(2)(A)7, relating to the security of a company's facilities. To maintain the safety and security of Liberty's utility infrastructure and to allow Liberty to continue providing safe and reliable service, this important security and safety information related to Liberty's critical infrastructure and other utility facilities must not be publicly disclosed.

Provided below is the location, page number, and brief summary (where possible) of all information marked confidential in Liberty's IRP. Appendices page numbers are identified with "A" and workpapers as "WP."

20 CSR 4240-2.135(2)(A)1 - Customer specific information.

Volume	Page Number	Summary
3	14	Table 2-1 - Rate to Rate Class Mapping (** Info)
3	16	Table 3-2 - Rate Class Definitions (** Info)
3	43	** Class Information
3	56	** Class
3	56	Table 3-25 - ** Model
3	56	Table 3-26 - ** Model Statistics
3	59	Municipal Class
3	59	Table 3-31 - Municipal Model
3	59	Table 3-32 - Municipal Model Statistics
3	94	Table 3-52 - ** Forecast Summary
3	97	Figure 3-39 - Municipal Sales Forecast
3	98	Table 3-55 - Municipal Forecast Summary
3	Aii	Table of Contents: ** Sales Model
3	Aiv	Table of Figures: Figure 27: ** Sales Forecast (Actual and Forecast)
3	A1	**
3	A2	**
3	A2	**
3	A2	**
3	A12	Total system energy grows from **
3	A47	10. **
3	A47	** 47
3	A59	**

20 CSR 4240-2.135(2)(A)3 – Marketing analysis or other market specific information related to services offered in competition with others.

Volume	Page Number	Summary
6	A15	Table 7: Maintenance Rate and EFOR Values

20 CSR 4240-2.135(2)(A)5 – Reports, work papers, or other documentation related to work produced by internal or external auditors, consultants, or attorneys, except that total amounts billed by each external auditor, consultant, or attorney for services related to general rate proceedings shall always be public.

Volume	Page Number	Summary
1	21	are forecast to rise from **
1	21	overall growth rate over the 20-year period of **
1	21	NSI, which includes losses which are not billed, is forecast to rise from **
1	21	Figure 1-1 – NSI Forecast 2025-2044 (GWh)
1	22	Figure 1-2 – Retail Sales Forecast 2025-2044 (GWh)
1	22	Figure 1-3 – RAP DSM Impact on Annual Energy Requirements (Low-, Mid-, and High-Cost RAP DSM Bundles)
1	23	Figure 1-4 – RAP DSM Impact on Load (Low-, Mid-, and High-Cost RAP DSM Bundles)
1	23	Figure 1-5 – Summer Peak MW
1	24	Figure 1-6 – Winter Peak MW
1	35	Figure 1-10 - Forecasted Base, High, and Low Natural Gas Prices (Henry Hub)
1	35	Figure 1-11 - Forecasted Base, High, and Low Natural Gas Prices (Southern Star Delivered)
1	36	Figure 1-12 – CO2 Price Forecast
1	37	Figure 1-13 – SPP South Hub All Hours Power Prices
1	47	Table 1-6 - 20 Year Performance of Alternative Resource Plans
1	57	Table 1-8 – Performance Measures of the Preferred Plan
3	71	Table 3-37 - IRP Comparison - Total Customers
3	72	Figure 3-16 - IRP Comparison - Total Customers
3	72 - 73	Table 3-38 - IRP Comparison - Net System Energy (MWh
3	73	Figure 3-17 - IRP Comparison - Net System Energy (MWh)
3	74	Table 3-39 - IRP Comparison – Summer System Peaks (MW)
3	75	Figure 3-18 - IRP Comparison - System Summer Peaks (MW)
3	75 - 76	Table 3-40 - IRP Comparison – Winter System Peaks (MW)
3	76	Figure 3-19 - IRP Comparison - System Winter Peaks (MW)
3	79	Table 3-41 - Annual Heating, Cooling, and Base Load Components of the Major Classes MWh (Billed Year Basis)
3	81	Figure 3-20 - Residential Sales Annual Forecast
3	81	Figure 3-21 - Residential Customer Forecast
3	82	Figure 3-22 - Residential UPC Forecast
3	82	Table 3-42 - Residential Forecast Summary
3	83	Table 3-43 - Residential Forecast Summary Annual Average Growth Rates
3	83	Figure 3-23 - Small Commercial Sales Forecast
3	84	Figure 3-24 - Small Commercial Customer Forecast
3	84	Figure 3-25 - Small Commercial UPC Forecast

3	85	Table 3-44 - Small Commercial Forecast Summary
3	85	Table 3-45 - Small Commercial Forecast - Average Annual Growth Rates
3	86	Figure 3-26 - Large Commercial Sales Forecast
3	86	Figure 3-27 - Large Commercial Customer Forecast
3	87	Figure 3-28 - Large Commercial UPC Forecast
3	87	Table 3-46 - Large Commercial Forecast Summary
3	88	Figure 3-29 - Industrial Sales Forecast
3	88	Table 3-47 - Large Commercial Forecast - Average Annual Growth Rates
3	89	Figure 3-30 - Industrial Customer Forecast
3	89	Figure 3-31 - Industrial UPC Forecast
3	90	Table 3-48 - Industrial Forecast Summary
3	90	Table 3-49 - Industrial Forecast - Average Annual Growth Rates
3	91	Figure 3-32 - Transmission Sales Forecast
3	91	Figure 3-33 - Transmission Customer Forecast
3	92	Figure 3-34 - Transmission UPC Forecast
3	92	Table 3-50 - Transmission Forecast Summary
3	93	** Annual Summary
3	93	Figure 3-35 - ** Sales Forecast
3	93	Table 3-51 - Transmission Forecast - Average Annual Growth Rates
3	95	Figure 3-36 - Lighting Sales Forecast
3	95	Figure 3-37 - Lighting Customer Forecast
3	96	Figure 3-38 - Lighting UPC Forecast
3	96	Table 3-53 - Lighting Forecast Summary
3	97	Table 3-54 - Lighting Forecast - Average Annual Growth Rates
3	102	Figure 3-42 - System Summer Peak Forecast
3	102	Figure 3-43 - System Winter Peak Forecast
3	103	Table 3-60 - System Peak Forecast Summary
3	103	Table 3-61 - System Peak Forecast - Average Annual Growth Rates
3	104	Figure 3-44 - Residential Coincident Summer Peak Forecast
3	104	Figure 3-45 - Residential Coincident Winter Peak Forecast
3	105	Figure 3-46 - Small Commercial Coincident Summer Peak Forecast
3	105	Figure 3-47 - Small Commercial Coincident Winter Peak Forecast
3	106	Figure 3-48 - Large Commercial Coincident Summer Peak Forecast
3	106	Figure 3-49 - Large Commercial Coincident Winter Peak Forecast
3	107	Figure 3-50 - Industrial Coincident Summer Peak Forecast
3	107	Figure 3-51 - Industrial Coincident Summer Peak Forecast
3	108	Table 3-62 - Summer Coincident Peak by Class
3	108	Table 3-63 - Winter Coincident Peak by Class
3	109	Table 3-64 - Summer Peak Month Energy by Class
3	109	Table 3-65 - Winter Peak Month Energy by Class
3	110	Figure 3-52 - Forecasted Residential Summer Peak Day Profiles
3	111	Figure 3-53 - Forecasted Residential Winter Peak Day Profiles
3	111	Figure 3-54 - Forecasted Small Commercial Summer Peak Day Profiles

3	112	Figure 3.55 Foregoted Small Commercial Winter Book Day Profiles
3		Figure 3-55 - Forecasted Small Commercial Winter Peak Day Profiles
3	112 113	Figure 3-56 - Forecasted Large Commercial Summer Peak Day Profiles
-		Figure 3-57 - Forecasted Large Commercial Winter Peak Day Profiles
3	113	Figure 3-58 - Forecasted Industrial Peak Day Profiles
3	114	Figure 3-59 - Forecasted Industrial Winter Peak Day Profiles
3	114	Figure 3-60 - Forecasted System Peak Day Profiles
3	115	Figure 3-61 - Forecasted System Peak Day Profiles
3	117	Figure 3-62 - Forecasted Net System Load
3	118	Table 3-66 - Net System Load Forecast Summary
3	118	Table 3-67 - Net System Load Forecast - Average Annual Growth Rates
3	122	Figure 3-67 - Base, High, and Low, Scenarios - Annual Energy
3	123	Figure 3-68 - Base, High, and Low Scenarios - Summer Peaks
3	123	Table 3-68 - Base, High, and Low, Scenarios - Annual Energy (MWh)
3	124	Figure 3-69 - Base, High, and Low Scenarios - Winter Peaks
3	124	Table 3-69 - Base, High, and Low Scenarios - Summer Peak (MW)
3	125	Table 3-70 - Base, High, and Low, Scenarios - Winter Peaks (MW)
3	130	Figure 3-75 - Base, Mild and Extreme Weather Scenario: System Annual Energy
3	130	Table 3-73 - Base, Mild and Extreme Weather Scenario - Annual Energy (MWh)
3	131	Figure 3-76 - Base, Mild and Extreme Weather Scenario -Summer Peak
3	131	Table 3-74 - Base, Mild and Extreme Weather Scenario - Summer Peak (MW)
3	132	Figure 3-77 - Base, Mild and Extreme Weather Scenario -Winter Peak
3	133	Table 3-75 - Base, Mild and Extreme Weather Scenario - Winter Peak (MW)
3	134	Figure 3-78 - High-High Scenario - Annual Energy
3	134	Table 3-76 - High-High Scenario - Annual Energy (MWh)
3	135	Figure 3-79 - High-High Scenario – Summer Peak
3	135	Figure 3-80 - High-High Scenario – Winter Peak
3	136	Table 3-77 - High-High Scenario Summer and Winter Peaks (MW)
3	138	Table 3-78 - Historical and Forecast Summer, Winter, and Total Energy
3	139	Table 3-79 - Historical and Forecast Summer and Winter Peaks
3	140	Figure 3-81 - Historical and Forecast Summer and Winter Energy
3	140	Figure 3-82 - Historical and Forecast System Energy
3	141	Figure 3-83 - Historical and Forecast Summer and Winter Peaks
3	142	Figure 3-84 - Historical and Forecast Energy - All Scenarios
3	142	Figure 3-85 - Historical and Forecast Summer Peak - All Scenarios
3	143	Figure 3-86 - Historical and Forecast Winter Peak - All Scenarios
3	A12	with average annual growth rates of **
3	A12	Table 5: System Forecast Summary
3	A13	Figure 8: System Energy Forecast
3	A14	Figure 9: System Summer and Winter Peak Forecast
3	A15	Table 6: Scenarios: Energy Forecasts (MWh)
3	A16	Figure 10: Scenarios: Sales Forecast Comparison
		- Garage Constant Control Companion

3	A16 - 17	Table 7: Scenarios: Base, Mild, Extreme, High, and Low Gross Peak Forecast (MW)
3	A17	Figure 11: Scenarios: Peak Forecast Comparison
3	A22	Figure 12: Residential Sales Forecast (Actual, Normalized, and Forecast)
3	A22	Figure 13: Residential Customer Forecast (Actual and Forecast)
3	A23	Figure 14: Residential UPC Forecast (Actual and Forecast)
3	A23 - 24	Table 12: Residential Sales Forecast Summary
3	A28	Figure 15: Small Commercial Sales Forecast (Actual, Normalized, and Forecast)
3	A29	Figure 16: Small Commercial Customer Forecast (Actual and Forecast)
3	A29	Figure 17: Small Commercial UPC Forecast (Actual and Forecast)
3	A30	Table 17: Small Commercial Sales Forecast
3	A34	Figure 18: Large Commercial Sales Forecast (Actual, Normalized, and Forecast)
3	A35	Figure 19: Large Commercial Customer Forecast (Actual and Forecast)
3	A35	Figure 20: Large Commercial UPC Forecast (Actual and Forecast)
3	A36	Table 22: Large Commercial Sales Forecast
3	A39	Figure 21: Industrial Sales Forecast (Actual, Normalized, and Forecast)
3	A39	Figure 22: Industrial Customer Forecast (Actual and Forecast)
3	A40	Figure 23: Industrial UPC Forecast (Actual and Forecast)
3	A40 - 41	Table 25: Industrial Sales Forecast
3	A44	Figure 24: Transmission Sales Forecast (Actual, Normalized, and Forecast)
3	A44	Figure 25: Transmission Customer Forecast (Actual and Forecast)
3	A45	Figure 26: Transmission UPC Forecast (Actual and Forecast)
3	A45 - 46	Table 28: Transmission Sales Forecast
3	A51	Figure 28: Lighting Sales Forecast (Actual, Normalized, and Forecast)
3	A52	Figure 29: Lighting Customer Forecast (Actual and Forecast)
3	A52	Figure 30: Lighting UPC Forecast (Actual and Forecast)
3	A53	Table 33: Lighting Sales Forecast
3	A55	Figure 31: Municipal Sales Forecast (Actual, Normalized, and Forecast)
3	A58	Figure 32: System Summer Peak Forecast
3	A58	Figure 33: System Winter Peak Forecast
3	A61	From **
3	WP	Volume 3_Analysis_Workpapers_Confidential.zip
3	WP	Volume 3_Model 11-4-24 Final Base Case_Workpapers_Confidential.zip
4	32	Table 4-8 – Delivered Fuel Projections used in LCOE Analysis for Select Years (2023\$/MMBtu)
4	41	Liberty-Empire could avoid approximately **
4	41	and ** per year in fixed O&M costs
4	41	by installing at least ** of firm distributed capacity
4	41	and avoid approximately ** in project capital costs
4	41	and ** per year in fixed O&M costs
4	41	by installing at least ** of firm distributed capacity
4	79	Figure 4-11 – Coal Price Forecast for Southern PRB Coal (latan and Plum Point Delivered)

4	80	Table 4-25 – Coal Price Forecast for Southern PRB Coal (latan and Plum Point Delivered)
4	82	Figure 4-12 – Forecasted Base, High, and Low Natural Gas Prices (Henry Hub)
4	82	Figure 4-13 – Forecasted Base, High, and Low Natural Gas Prices (Southern Star Delivered)
4	83	Table 4-26 – Forecasted Base, High, and Low Natural Gas Prices (Henry Hub and Southern Star)
4	88	Figure 4-15 – Base Gas Natural Gas Price Forecast
4	89	Figure 4-16 – High Case Natural Gas Price Forecast
4	90	Figure 4-17 – Low Case Natural Gas Price Forecast
4	91	Table 4-27 – Liberty-Empire Natural Gas Hedges
4	95	Figure 4-18 – CO2 Price Forecast
4	96	Figure 4-19 – SO2 Group 1 (MO) Price Forecast
4	96	Figure 4-20 – NOx Annual Price Forecast
4	97	Figure 4-21 – SPP South Hub All Hours Power Prices
4	99	Figure 4-22 – Generator Interconnection Cost in 2025
4	WP	Volume 4 Critical Uncertain Factors Workpapers Confidential
4	WP	Volume 4 Supply-Side Parameters Workpapers Confidential
4.5	28	Liberty-Empire could avoid approximately **
4.5	28	and ** per year in fixed O&M costs
4.5	28	by installing at least ** of firm distributed capacity
4.5	28	and avoid approximately ** in project capital costs
4.5	28	and ** per year in fixed O&M costs
4.5	28	by installing at least ** of firm distributed capacity
5	107	Figure 5-24 – Avoided Capacity Price (2023\$/kW-year)
5	108	Figure 5-25 – Avoided Energy Costs (Base Carbon / Base Gas) (2023\$/MWh)
5	109	Figure 5-26 – Projections of Price for CO2 (\$/short ton) for the Low and Base Avoided Probable Environmental Cost Scenarios
5	WP	Volume 5 BenCost MAP Scenario Confidential
5	WP	Volume 5_BenCost_RAP Scenario_Confidential
5	WP	Volume 5 BenCost RAP- Scenario Confidential
5	WP	Volume 5 BenCost RAP+ Scenario Confidential
6	54	Table 6-17 – 20 Year Performance of Alternative Resource Plans
6	57	Figure 6-6 – RAP DSM Impact on Load (Low-, Mid-, and High-Cost Bundle)
6	58	Figure 6-7 – MAP DSM Impact on Load (Low-, Mid-, and High-Cost Bundle)
6	58	Figure 6-8 – RAP DSM Impact on Load (Mid-Cost and DSR Bundle)
6	59	Figure 6-9 – MAP DSM Impact on Load (Mid-Cost and DSR Bundle)
6	59	Figure 6-10 – RAP DSM Impact on Load (Low-Cost, Mid-Cost, High-Cost, and DSR Bundle)
		Figure 6-26 – Impact of RAP DSM on Annual Energy Requirements (Low-,
6	75	
6	75 76	Mid-, and High-Cost Bundle) Figure 6-27 – Impact of MAP DSM on Annual Energy Requirements (Low-, Mid-, and High-Cost Bundle)

6	78	Figure 6-29 – Impact of MAP DSM on Annual Energy Requirements (Mid-Cost and DSR Bundle)
6	79	Figure 6-30 – Impact of RAP DSM on Annual Energy Requirements (Low-Cost, Mid-Cost, High-Cost, and DSR Bundle)
6	97	Table 6-20 – Summer Forecast of Capacity Balance for Plan 1
6	98	Table 6-21 – Winter Forecast of Capacity Balance for Plan 1
6	99	Table 6-22 – Summer Forecast of Capacity Balance for Plan 1A
6	100	Table 6-23 – Winter Forecast of Capacity Balance for Plan 1A
6	101	Table 6-24 – Summer Forecast of Capacity Balance for Plan 2
6	102	Table 6-25 – Winter Forecast of Capacity Balance for Plan 2
6	103	Table 6-26 – Summer Forecast of Capacity Balance for Plan 3
6	104	Table 6-27 – Winter Forecast of Capacity Balance for Plan 3
6	105	Table 6-28 – Summer Forecast of Capacity Balance for Plan 4
6	106	Table 6-29 – Winter Forecast of Capacity Balance for Plan 4
6	107	Table 6-30 – Summer Forecast of Capacity Balance for Plan 5
6	108	Table 6-31 – Winter Forecast of Capacity Balance for Plan 5
6	109	Table 6-32 – Summer Forecast of Capacity Balance for Plan 6
6	110	Table 6-33 – Winter Forecast of Capacity Balance for Plan 6
6	111	Table 6-34 – Summer Forecast of Capacity Balance for Plan 7
6	112	Table 6-35 – Winter Forecast of Capacity Balance for Plan 7
6	113	Table 6-36 – Summer Forecast of Capacity Balance for Plan 8
6	114	Table 6-37 – Winter Forecast of Capacity Balance for Plan 8
6	115	Table 6-38 – Summer Forecast of Capacity Balance for Plan 9
6	116	Table 6-39 – Winter Forecast of Capacity Balance for Plan 9
6	117	Table 6-40 – Summer Forecast of Capacity Balance for Plan 10
6	118	Table 6-41 – Winter Forecast of Capacity Balance for Plan 10
6	119	Table 6-42 – Summer Forecast of Capacity Balance for Plan 11
6	120	Table 6-43 – Winter Forecast of Capacity Balance for Plan 11
6	121	Table 6-44 – Summer Forecast of Capacity Balance for Plan 12
6	122	Table 6-45 – Winter Forecast of Capacity Balance for Plan 12
6	124	Table 6-46 – Plan 1 Performance Calculated without Utility Financial Incentives for DSM
6	124	Table 6-46 – Plan 1 Performance Calculated with Utility Financial Incentives for DSM
6	125	Table 6-47 – Plan 1A Performance Calculated without Utility Financial Incentives for DSM
6	125	Table 6-47 – Plan 1A Performance Calculated with Utility Financial Incentives for DSM
6	126	Table 6-48 – Plan 2 Performance Calculated without Utility Financial Incentives for DSM
6	126	Table 6-48 – Plan 2 Performance Calculated with Utility Financial Incentives for DSM
6	127	Table 6-49 – Plan 3 Performance Calculated without Utility Financial Incentives for DSM
6	127	Table 6-49 – Plan 3 Performance Calculated with Utility Financial Incentives for DSM

	1	
6	128	Table 6-50 – Plan 4 Performance Calculated without Utility Financial Incentives for DSM
6	128	Table 6-50 - Plan 4 Performance Calculated with Utility Financial Incentives for DSM
6	129	Table 6-51 – Plan 5 Performance Calculated without Utility Financial Incentives for DSM
6	129	Table 6-51 – Plan 5 Performance Calculated with Utility Financial Incentives for DSM
		Table 6-52 – Plan 6 Performance Calculated without Utility Financial
6	130	Incentives for DSM
6	130	Table 6-52 – Plan 6 Performance Calculated with Utility Financial Incentives for DSM
6	131	Table 6-53 – Plan 7 Performance Calculated without Utility Financial Incentives for DSM
6	131	Table 6-53 – Plan 7 Performance Calculated with Utility Financial Incentives for DSM
6	132	Table 6-54 – Plan 8 Performance Calculated without Utility Financial Incentives for DSM
6	132	Table 6-54 – Plan 8 Performance Calculated with Utility Financial Incentives for DSM
6	133	Table 6-55 – Plan 9 Performance Calculated without Utility Financial Incentives for DSM
6	133	Table 6-55 – Plan 9 Performance Calculated with Utility Financial Incentives for DSM
6	134	Table 6-56 – Plan 10 Performance Calculated without Utility Financial Incentives for DSM
6	134	Table 6-56 – Plan 10 Performance Calculated with Utility Financial Incentives for DSM
6	135	Table 6-57 – Plan 11 Performance Calculated without Utility Financial Incentives for DSM
6	135	Table 6-57 – Plan 11 Performance Calculated with Utility Financial Incentives for DSM
6	136	Table 6-58 – Plan 12 Performance Calculated without Utility Financial Incentives for DSM
6	136	Table 6-58 – Plan 12 Performance Calculated with Utility Financial Incentives for DSM
6	158	Table 6-60 – Expected Values of Alternative Plan Performance Measures
6	159	Table 6-61 – Standard Deviation of Alternative Plan Performance Measures
6	191	Table 6A-1 – Avoided Costs for All Plans
6	192	Table 6A-3 – Annual Rate Increases for All Plans
6	192	Table 6A-4 – Average Rate Revenue of All Plans
6	A11	Table 4: Liberty-Empire Peak Load Forecasts
6	WP	Volume 6_Aurora Results_Workpapers_Confidential
6	WP	Volume 6 Load and Capability Balance Confidential
6	WP	Volume 6 PERFORM Results Workpapers Confidential
7	23	Table 7-3 – Plan 4 Preferred Plan – Summer Peak
7	24	Table 7-4 – Plan 4 Preferred Plan – Winter Peak
7	WP	Volume 7_Preferred Plan_Workpapers_Confidential
	V V I	T volume 1_1 foloriou f lait_vvolkpapora_ooffiliaefiliai

20 CSR 4240-2.135(2)(A)6 – Strategies employed, to be employed, or under consideration in contract negotiations.

	Volume	Page Number	Summary
	6	7	Table of Figures: Figure 6-83 - **
Ī	6	189 - 190	**
Ī	6	190	Figure 6-83 – **

20 CSR 4240-2.135(2)(A)7 – Relating to the security of a company's facilities.

Volume	Page Number	Summary
1	9	to be replaced by new, highly reliable, dual-fuel ** gas turbine resources.
1	9	Footnote [1] **
1	10	due to their ability to **
1	10	and operating characteristics of thermal generation **
1	10	new dual-fuel ** industrial gas turbines,
1	26	To preserve the units' dual-fuel ** capability,
1	26	dual-fuel **capable industrial gas combustion turbines
4	15 - 16	**
4	16	Footnote[1] **
4	16	gas combustion turbines with dual-fuel ** capability
6	24	To preserve the units' dual-fuel ** capability,
6	24	dual-fuel ** capable industrial gas combustion turbines
6	24	Footnote [1] **
7	18	Riverton 10 and 11 replaced directly at the site by dual-fuel **
7	25	with significantly more reliable dual-fuel **
7	47	**