FILED June 29, 2022 Data Center Missouri Public Service Commission

Exhibit No. 211P

Public Counsel – Exhibit 211P John A. Robinett Surrebuttal Testimony File Nos. EO-2022-0040 & EO-2022-0193 Exhibit No.: Issue(s): Witness/Type of Exhibit: Sponsoring Party: Case No.: 211NP

Riverton Disallowance Robinett/Surrebuttal Public Counsel EO-2022-0040

SURREBUTTAL TESTIMONY

OF

JOHN A. ROBINETT

Submitted on Behalf of the Office of the Public Counsel

THE EMPIRE DISTRICT ELECTRIC COMPANY

CASE NOS. EO-2022-0040

**

Denotes Highly Confidential and Confidential information that has been redacted

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May 27, 2022

PUBLIC

BEFORE THE PUBLIC SERVICE COMMISSION OF THE STATE OF MISSOURI

In the Matter of the Petition of The Empire District Electric Company d/b/a Liberty to Obtain a Financial Order the Authorizes the Issuance of Securitized Utility Tariff Bonds for Qualified Extraordinary Costs

Case No. EO-2022-0040

AFFIDAVIT OF JOHN A. ROBINETT

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STATE OF MISSOURI)) ss COUNTY OF COLE)

John A. Robinett, of lawful age and being first duly sworn, deposes and states:

1. My name is John A. Robinett. I am a Utility Engineering Specialist for the Office of the Public Counsel.

2. Attached hereto and made a part hereof for all purposes is my surrebuttal testimony.

3. I hereby swear and affirm that my statements contained in the attached testimony are true and correct to the best of my knowledge and belief.

John A. Robinett Utility Engineering Specialist

Subscribed and sworn to me this 27th day of May 2022.



TIFFANY HILDEBRAND My Commission Expires August 8, 2023 Cole County Commission #15637121

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Tiffany Hildebrand Notary Public

My Commission expires August 8, 2023.

SURREBUTTAL TESTIMONY

OF

JOHN A. ROBINETT

LIBERTY UTILITIES EMPIRE DISTRICT ELECTRIC COMPANY

CASE NO. EO-2022-0040

1	Q.	What is your name and what is your business address?				
2	A.	John A. Robinett, PO Box 2230, Jefferson City, Missouri 65102.				
3	Q.	By whom are you employed and in what capacity?				
4	A.	I am employed by the Missouri Office of the Public Counsel ("OPC") as a Utility Engineering				
2 3 4 5		Specialist.				
6 7 8 9 10 11	Q.	Have you previously provided testimony before the Missouri Public Service				
7		Commission?				
8	A.	Yes. Both as a former member of Commission Staff and on behalf of the OPC.				
9	Q.	What is your work and educational background?				
10	A.	A copy of my work and educational experience is attached to this testimony as Schedule				
11		JAR-S-1.				
12	Q.	What is the purpose of your surrebuttal testimony?				
13	A.	OPC agrees with Staff Witness Mr. Jordan T. Hull that the lack of availability of Riverton				
14		unit 11 during winter Storm Uri was imprudent and that a disallowance should be made.				
15		However, I take the imprudence one step further. Empire was imprudent by not being				
16		prepared with full capacity of fuel oil as a backup to the availability of natural gas for Riverton				
17		11.				
18	Q.	What recommendation do you have for the Commission?				
19	А.	I recommend the Commission find Liberty was imprudent by not utilizing the full capacity of				
20		fuel oil storage at Riverton and reduce the Storm Uri cost to be recovered from Missouri retail				

1		customers by \$3,814,385.74. This amount was calculated using the full availability of
2		*** *** of fuel oil to determine how much energy could have been generated
3		by the Riverton facilities during winter storm Uri **
4		**
5	Q.	What is the issue with Staff's recommended disallowance?
6	A.	Staff's analysis is overly simplistic and most certainly conservative. Staff's disallowance turns
7		the Riverton unit on **
8		** ¹ . Staff's
9		disallowance runs the unit constantly for **** based on Staff's calculation of
10		available fuel. It is unclear if Staff's recommendation takes into account fuel cost to replenish
11		levels after use. Since Staff only fired the unit up once, it did not take into account fuel usage
12		for start-up. Based on Staff's recommendation this would have nearly run the unit out of fuel
13		and had little to no fuel left to re-fire in case of an emergency.
14	Q.	Do you have any pending discovery that may affect your recommendation?
15	А.	Yes. Currently I have discovery related to certain operational parameters that may affect the
16		time periods of hypothetical operation that I have assumed for Riverton unit 11 since it did
17		not operate during Storm Uri. Specific parameters I am seeking are minimum down time
18		between starts, minimum run times for starts and maximum number of cycles per week for
19		the generator.

¹ EO-2022-0040 pg. 37 of Schedule JO-3Confidential attached to the direct testimony of Liberty Consultant John P. Olsen.

1 Q .	Is there any other evidence that you believes supports Staff's estimate as being
2	conservative?
3 A.	Yes. Liberty's confidential responses to data requests in Case No. AO-2021-0264 ² and this
4	case, Case No. EO-2022-0040, present its position on fuel oil levels at the generating facilities
5	prior to winter storm Uri. Liberty's response to Staff data request 0093 in Case No. EO-2022-
5	0040 discusses the fuel oil levels at Riverton prior to winter storm Uri and is attached as part
7	of Schedule JAR-S-2HC which contains several data requests and responses from Case No.
3	EO-2022-0040. This data request indicates that fuel oil capacity at the Riverton site ***_
)	
)	
L	***
2 Q .	Is Liberty's response to data request 0093 in Case No. EO-2022-0040 your only support
3	that Staff's estimate is conservative?
4 A.	No. That data request response needs to be reviewed in conjunction with Liberty's data
5	requests responses from Case No. AO-2021-0264. Specifically Liberty's response to data
5	request number 0087 states that:
7	**
3)	**
)	Noticeably missing from this data request response is a discussion of the fuel oil status at
	Riverton. Similarly, the response to data request number 0083 from Case No, AO-2021-0264
2	sought preparatory actions to manage fuel availability. Again this data request fails to discuss
2 In th	he Matter of the Cause of the February 2021 Cold Weather Event and its Impact on Investor Owned Utilities

U	ase No. EO-2022-0040
1	actions taken at Riverton 10 and 11. Attached as part of Schedule JAR-S-3C are Liberty's
2	responses to data requests 0087 and 0083 from Cases No. AO-2021-0264.
3 Q	. How did you calculate your disallowance?
4 A	. Staff ran the unit ** **, from the start of the day at hour zero that
5	Liberty **
6	
7	** I theoretically ran Riverton unit 11 until market prices dipped
8	below my calculated hourly fuel cost. Additionally the unit's run time was also based on
9	responses of Liberty to data requests provided in Schedule JAR-S-2HC and JAR-S-3C. These
0	responses show Liberty took measures to **
1	**
2	Taking this into account I recommend the Commission consider a much larger
3	disallowance for Riverton unit 11, **
1	**
5	Using Staff witness Mr. Jordan Hull's calculation attached to his rebuttal testimony
5	as Attachment 1 and Liberty's response to data request 0093 that provides the full capacity of
7	fuel oil storage at Riverton, I use a ratio of total storage capacity over his value which was
3	fuel oil on site at Riverton at the beginning of February 2021. This would be ***
)	*** which is 2.13. I then multiplied this ratio
0	by the **
1	
2	**.

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1		I then utilized the Southwest Power Pool ("SPP") revised market prices for the
2		Riverton node that Staff provided in its workpapers. I chose to model the operation of the unit
3		as Staff has done and how the data request responses indicate Liberty operated its other
4		combustion turbines. **
5		
6		**
7		**
8		
9		**
10	Q.	What do you recommend as a disallowance related to Riverton unit 11?
11	A.	Running for ** ** using SPP revised market prices, the revenue that would have
12		been achieved from Riverton 11 generating was \$4,949,431.66. To arrive at the final actual
13		disallowance I recommend, I accounted for other factors that reduce the gross generated
14		revenue. **
15		** ³ After I reduced for fuel cost, I then applied the Missouri retail energy jurisdictional
16		factor of 0.9007 for February 2021. The final adjustment is the 95%/5% fuel adjustment clause
17		sharing mechanism. Once the fuel adjustment clause sharing is applied, my recommended
18		disallowance is \$3,814,385.74 for the theoretical operation of Riverton unit 11.

 $[\]frac{1}{3}$ I used the fuel cost estimates from Staff's direct case fuel workpapers in ER-2019-0374.

Case N	No. EO-2022-0040
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Q.	Does this conclude your surrebuttal testimony?
A.	Yes, it does.
	** ** Q.

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John A. Robinett

I am employed as a Utility Engineering Specialist for The Missouri Office of the Public Counsel (OPC). I began employment with OPC in August of 2016. In May of 2008, I graduated from the University of Missouri-Rolla (now Missouri University of Science and Technology) with a Bachelor of Science degree in Mechanical Engineering.

During my time as an undergraduate, I was employed as an engineering intern for the Missouri Department of Transportation (MoDOT) in their Central Laboratory located in Jefferson City, Missouri for three consecutive summers. During my time with MoDOT, I performed various qualification tests on materials for the Soil, Aggregate, and General Materials sections. A list of duties and tests performed are below:

- Compressive strength testing of 4" and 6" concrete cylinders and fracture analysis
- Graduations of soil, aggregate, and reflective glass beads
- Sample preparations of soil, aggregate, concrete, and steel
- Flat and elongated testing of aggregate
- Micro-deval and LA testing of aggregate
- Bend testing of welded wire and rebar
- Tensile testing of welded, braided cable, and rebar
- Hardness testing of fasteners (plain black and galvanized washers, nuts, and bolts)
- Proof loading and tensile testing of bolts
- Sample collection from active road constructions sites
- Set up and performed the initial testing on a new piece of equipment called a Linear Traverse / Image Analysis
- Wrote operators manual for the Linear Traverse / Image Analysis Machine
- Trained a fulltime employee on how to operate the machine prior to my return to school
- Assisted in batching concrete mixes for testing, mixing the concrete, slump cone testing, percent air testing, and specimen molding of cylinders and beams

Upon graduation, I accepted a position as an Engineer I in the Product Evaluation Group for Hughes Christensen Company, a division of Baker Hughes, Inc. (Baker), an oil field service company. During my employment with Baker, I performed failure analysis on oil field drill bits as well as composed findings reports which were forwarded to the field engineers in order for them to report to the company the conclusions of the failure causes.

I previously was employed as a Utility Engineering Specialist I, II, III for the Missouri Public Service Commission (Commission). My employment with the Commission spanned from April of 2010 to August of 2016. My duties involved analyzing deprecation rates and studies for utility companies and presenting expert testimony in rate cases before the Commission.

Listed below are the cases in which I have supplied testimony, comments, and/or depreciation rates accompanied by a signed affidavit.

Company	Case Number	Issues	Party
Liberty Empire District Electric Company	EO-2022-0193	Rebuttal Testimony Asbury Securitization	Office of the Public Counsel (OPC)
Liberty Empire District Gas Company	GR-2021-0320	Rebuttal Testimony Depreciation	OPC
Liberty Empire District Electric Company	ER-2021-0312	Direct, Rebuttal, and Surrebuttal Testimony Asbury, Storm Uri, General Plant Amortization	OPC
Ameren Missouri	ER-2021-0240 GR-2021-0241	Rebuttal and Surrebuttal Testimony Depreciation	OPC
Ameren Missouri	EO-2022-0054	IRP Special issues	OPC
Empire District Electric Company	EO-2022-0057	IRP Special issues	OPC
Evergy Missouri West Evergy Missouri Metro	EO-2022-0056 EO-2022-0055	IRP Special issues	OPC
Spire Missouri	GR-2021-0108	Direct, Rebuttal, Surrebuttal, and Live Testimony Depreciation, Grow Missouri Program and Smart Meters	OPC
Missouri American Water Company	WR-2020-0344	Rebuttal, Surrebuttal Testimony Depreciation Expense	OPC
Ameren Missouri	EO-2021—0069	IRP Special issues	OPC
Empire District Electric Company	EO-2021-0066	IRP Special issues	OPC
Evergy Missouri West Evergy Missouri Metro	EO-2021-0067 EO-2021-0068	IRP Special issues	OPC
Evergy Missouri West	EO-2020-0281	Integrated Resource Plan Comments	OPC
Evergy Missouri Metro	EO-2020-0280	Integrated Resource Plan Comments	OPC
Spire Missouri	GO-2020-0416	Depreciation Authority Order	OPC
Empire District Electric Company	EO-2020-0284	Integrated Resource Plan Comments	OPC
Spire Missouri East Spire Missouri West	GO-2018-0309 GO-2018-0310	On Remand Direct and Rebuttal Testimony ISRS Refund	OPC
Empire District Electric Company	ER-2019-0374	Direct, Rebuttal, Surrebuttal, and True- up Direct Testimony Depreciation, Operations and Maintenance Expense	OPC
Ameren Missouri	ER-2019-0355	Direct Testimony Depreciation	OPC
Summit Natural Gas of Missouri	GE-2020-0009	Depreciation Study Waiver	OPC
Spire Missouri East Spire Missouri West	GO-2019-0356 GO-2019-0357	Direct and Live Rebuttal Testimony ISRS	OPC
Ameren Missouri Gas Company	GR-2019-0077	Rebuttal Testimony Depreciation and General Plant Amortization	OPC
Spire Missouri East Spire Missouri West	GO-2019-0115 GO-2019-0116	Direct and Live Rebuttal Testimony ISRS	OPC
Empire District Electric Company	EA-2019-0010	Rebuttal, Surrebuttal, and Live Testimony CCN Application	OPC

Company	Case Number	Issues	Party
Kansas City Power & Light Company Greater Missouri Operations	EU-2019-0197 EC-2019-0200	Affidavit for an Accounting Order for plant retirement	OPC
Ameren Missouri	EA-2018-0202	Surrebuttal Testimony Depreciation Life	OPC
Spire Missouri East Spire Missouri West	GO-2018-0309 GO-2018-0310	Direct and Live Rebuttal Testimony ISRS	OPC
Kansas City Power & Light Company	ER-2018-0145	Direct and Rebuttal, Surrebuttal, and True-up direct Testimony, Depreciation and O&M expense related to retired generation units, ONE CIS Allocation	OPC
Kansas City Power & Light Company Greater Missouri Operations	ER-2018-0146	Direct and Rebuttal, Surrebuttal, and True-up direct Testimony, Depreciation and O&M expense related to retired generation units, ONE CIS Allocation, Removal of Additional Amortization	OPC
Empire District Electric Company	EO-2018-0092	Rebuttal, Surrebuttal, Affidavit in Opposition, additional Affidavit and Live Testimony	OPC
Liberty Utilities (Midstates Natural Gas) Corp. d/b/a Liberty Utilities	GR-2018-0013	Rebuttal and Surrebuttal Testimony depreciation, general plant amortization	OPC
Laclede Gas Company Missouri Gas Energy Spire Missouri East Spire Missouri West	GO-2016-0332 GO-2016-0333 GO-2017-0201 GO-2017-0202 GR-2017-0215 GR-2017-0216	ISRS Over collection of depreciation expense and ROE based on Western District Opinion Docket No. WD80544	OPC
Gascony Water Company, Inc.	WR-2017-0343	Rebuttal, Surrebuttal, and Live Testimony rate base, depreciation NARUC USoA Class designation	OPC
Missouri American Water Company	WR-2017-0285	Direct, Rebuttal, Surrebuttal, and Live Testimony depreciation, ami, negative reserve, Lead Line	OPC
Indian Hills Utility Operating Company, Inc.	WR-2017-0259	Direct, Rebuttal, Surrebuttal, and Live Testimony Rate Base (extension of electric service, leak repairs)	OPC
Laclede Gas Company Missouri Gas Energy	GR-2017-0215 GR-2017-0216	Direct, Rebuttal, Surrebuttal, True-up Rebuttal, and Live Testimony depreciation, retirement work in progress, combined heat and power, ISRS	OPC
Empire District Electric Company	EO-2018-0048	IRP Special issues	OPC
Kansas City Power & Light Company	EO-2018-0046	IRP Special issues	OPC
Kansas City Power & Light Company Greater Missouri Operations	EO-2018-0045	IRP Special issues	OPC
Kansas City Power & Light Company Greater Missouri Operations	EO-2017-0230	2017 IRP annual update comments	OPC
Empire District Electric Company	EO-2017-0065	Direct, Rebuttal, Surrebuttal, and Live Testimony FAC Prudence Review Heat Rate	OPC
Ameren Missouri	ER-2016-0179	Direct, Rebuttal, Testimony Heat Rate Testing &Depreciation	OPC

Company	Case Number	Issues	Party
Kansas City Power & Light Company	ER-2016-0285	Direct, Rebuttal, Surrebuttal, and Live Testimony Heat Rate Testing &Depreciation	OPC
Empire District Electric Company Merger with Liberty	EM-2016-0213	Rebuttal Testimony	Missouri Public Service Commission (MOPSC)
Empire District Electric Company	ER-2016-0023	Depreciation Study, Direct, Rebuttal, and Surrebuttal Testimony	MOPSC
Hillcrest Utility Operating Company, Inc.	SR-2016-0065	Depreciation Review	MOPSC
Hillcrest Utility Operating Company, Inc.	WR-2016-0064	Depreciation Review	MOPSC
Missouri American Water Company	WR-2015-0301	Depreciation Study, Direct, Rebuttal, and Surrebuttal Testimony	MOPSC
Bilyeu Ridge Water Company, LLC Midland Water Company, Inc. Moore Bend Water Utility, LLC Riverfork Water Company Taney County Water, LLC Valley Woods Utility, LLC(Water) Valley Woods Utility, LLC(Sewer) Consolidated into Ozark International, Inc.	WR-2015-0192 WR-2015-0193 WR-2015-0194 WR-2015-0195 WR-2015-0196 WR-2015-0197 SR-2015-0198 Consolidated into WR-2015-0192	Depreciation Review *filed depreciation rates not accompanied by signed affidavit	MOPSC
I. H. Utilities, Inc. sale to Indian Hills Utility Operating Company, Inc.	WO-2016-0045	Depreciation Rate Adoption CCN	MOPSC
Missouri American Water Company CCN City of Arnold	SA-2015-0150	Depreciation Rate Adoption CCN	MOPSC
Empire District Electric Company	ER-2014-0351	Direct, Rebuttal, and Surrebuttal Testimony	MOPSC
West 16th Street Sewer Company, W.P.C. Sewer Company, Village Water and Sewer Company, Inc. and Raccoon Creek Utility Operating Company, Inc.	SM-2015-0014	Depreciation Rate Adoption	MOPSC
Brandco Investments LLC and Hillcrest Utility Operating Company, Inc.	WO-2014-0340	Depreciation Rate Adoption, Rebuttal Testimony	MOPSC
Liberty Utilities (Midstates Natural Gas) Corp. d/b/a Liberty Utilities	GR-2014-0152	Direct, Rebuttal, Surrebuttal and Live Testimony	MOPSC
Summit Natural Gas of Missouri, Inc	GR-2014-0086	Depreciation Study, Direct and Rebuttal Testimony	MOPSC
P.C.B., Inc.	SR-2014-0068	Depreciation Review	MOPSC
M.P.B., Inc.	SR-2014-0067	Depreciation Review	MOPSC
Roy-L Utilities	WR-2013-0543	Depreciation Review	MOPSC
Roy-L Utilities	SR-2013-0544	Depreciation Review	MOPSC
Missouri Gas Energy Division of Laclede Gas Company	GR-2014-0007	Depreciation Study, Direct and Rebuttal Testimony	MOPSC

Company	Case Number	Issues	Party
Central Rivers Wastewater Utility, Inc.	SA-2014-00005	Depreciation Rate Adoption	MOPSC
Empire District Electric Company	ER-2012-0345	Depreciation Study, Direct, Rebuttal, and Surrebuttal Testimony	MOPSC
Empire District Electric Company	WR-2012-0300	Depreciation Review	MOPSC
Laclede Gas Company	GO-2012-0363	Depreciation Authority Order Rebuttal, Surrebuttal and Live Testimony	MOPSC
Moore Bend Water Company, Inc. sale to Moore Bend Water Utility, LLC (Water)	WM-2012-0335	Depreciation Rate Adoption	MOPSC
Oakbrier Water Company, Inc.	WR-2012-0267	Depreciation Review	MOPSC
Lakeland Heights Water Co., Inc.	WR-2012-0266	Depreciation Review	MOPSC
R.D. Sewer Co., L.L.C.	SR-2012-0263	Depreciation Review	MOPSC
Canyon Treatment Facility, LLC	SA-2010-0219	Depreciation Rate Adoption- CCN	MOPSC
Taney County Water, LLC	WR-2012-0163	Depreciation Review	MOPSC
Sale of Saddlebrooke Water and Sewer Infrastructure, LLC to Missouri American Water Company (Sewer)	SA-2012-0067	Rebuttal Testimony	MOPSC
Sale of Saddlebrooke Water and Sewer Infrastructure, LLC to Missouri American Water Company (Water)	WA-2012-0066	Rebuttal Testimony	MOPSC
Midland Water Company, Inc.	WR-2012-0031	Depreciation Review	MOPSC
Sale of KMB Utility Corporation to Algonquin Water Resources of Missouri, LLC, d/b/a Liberty Water (Sewer)	SO-2011-0351	Depreciation Rate Adoption	MOPSC
Sale of KMB Utility Corporation to Algonquin Water Resources of Missouri, LLC, d/b/a Liberty Water (Water)	WO-2011-0350	Depreciation Rate Adoption	MOPSC
Sale of Noel Water Company, Inc. to Algonquin Water Resources of Missouri, LLC, d/b/a Liberty Water (Water)	WO-2011-0328	Depreciation Rate Adoption	MOPSC
Sale of Taney County Utilities Corporation to Taney County Water, LLC (Water)	WM-2011-0143	Depreciation Rate Adoption	MOPSC
Empire District Electric Company	ER-2011-0004	Depreciation Study, Direct, Rebuttal, and Surrebuttal Testimony	MOPSC
Rex Deffenderfer Enterprises, Inc.	WR-2011-0056	Depreciation Review	MOPSC
Tri-States Utility, Inc	WR-2011-0037	Depreciation Review	MOPSC
Southern Missouri Gas Company, L.P.	GE-2011-0096	Depreciation Study Waiver	MOPSC
Southern Missouri Gas Company, L.P.	GR-2010-0347	Depreciation Review	MOPSC
KMB Utility Corporation (Sewer)	SR-2010-0346	Depreciation Review	MOPSC

Company	Case Number	Issues	Party
KMB Utility Corporation (Water)	WR-2010-0345	Depreciation Review	MOPSC
Middlefork Water Company	WR-2010-0309	Depreciation Review	MOPSC



