Exhibit No.: Issue(s): MPPM and Revenue Requirements – Wind, AMI, and Asbury Witness: Tisha Sanderson Type of Exhibit: Direct Testimony Sponsoring Party: The Empire District Electric Company Case No.: ER-2021-0312 Date Testimony Prepared: May 28, 2021

Before the Public Service Commission of the State of Missouri

**Direct Testimony** 

of

**Tisha Sanderson** 

on behalf of

The Empire District Electric Company

May 28, 2021



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#### DIRECT TESTIMONY OF TISHA SANDERSON THE EMPIRE DISTRICT ELECTRIC COMPANY BEFORE THE MISSOURI PUBLIC SERVICE COMMISSION CASE NO. ER-2021-0312

#### 1 I. INTRODUCTION

- 2 Q. Please state your name and business address.
- 3 A. My name is Tisha Sanderson. My business address is 602 South Joplin Avenue, Joplin,
  4 MO, 64802.

#### 5 Q. By whom are you employed and in what capacity?

- 6 A. I am employed by Liberty Utilities Service Corp. ("Liberty") as the Vice President of
- 7 Finance and Administration for Liberty's Central Region, which includes The Empire
- 8 District Electric Company ("Empire" or "Company"), as well as, gas, water and wastewater
- 9 utilities serving in the Central Region. I am responsible for financial reporting, budgeting,
- 10 and accounting for the Central Region.

#### 11 Q. On whose behalf are you testifying in this proceeding?

12 A. I am testifying on behalf of Empire.

#### 13 Q. Please describe your educational and professional background.

A. I have a Bachelor of Science degree in business with a concentration in accounting. I am
also a Certified Public Accountant licensed to practice in Missouri and have over 23 years
of experience in increasingly senior positions within the construction, engineering, and
utilities industries. I joined Liberty in August of 2012 and was promoted to Vice President
of Finance and Administration for the Central Region in April of 2018.

- 19 Q. Have you previously testified before the Missouri Public Service Commission
- 20 ("Commission") or any other regulatory agency?

- A. While I have not testified before this Commission previously, I have provided testimony
   before the New Hampshire Public Utilities Commission.
- 3 II. PURPOSE AND CONTEXT

#### Q. What is the purpose of your direct testimony in this proceeding?

- 5 A. I explain the basis and calculation of revenue requirements for the critical investments 6 supporting the Company's ongoing pivot towards a more customer centric, economic, and 7 technologically advanced service model, namely:
- 8

4

- the commissioning of 600 Mw of new wind generation (the "Wind Farms");
- 9

• the retirement of the Asbury Coal Plant ("Asbury"); and

- 10
- the deployment of Advanced Metering Infrastructure ("AMI").

When combined, these investments result in sustainable long-term savings for our customers over the next two decades. In the immediate timeframe, they also act to significantly reduce the amount of the increase being sought in this application. For example, the net effect of the Company's proposal regarding the Asbury plant and the requested revenue requirement of the new Wind Projects results in a net revenue requirement savings of \$14.5 million. For their part, the AMI deployment is projected to yield \$195M in savings over these assets' lifecycle.

18 My testimony also covers the Market Price Protection Mechanism ("MPPM") 19 approved by the Commission in Case No. EA-2019-0010 where the Company secured the 20 Certificates of Convenience and Necessity for the three wind projects (the "CCN case"). 21 The MPPM represents an added safeguard that the Commission ordered, and the Company 22 implemented to mitigate potential customer risks stemming from the deployment of wind

- projects. While it is in the early days for the wind projects, the MPPM further supports the
  - wind projects performance in the expected range of customer benefits.

1

2

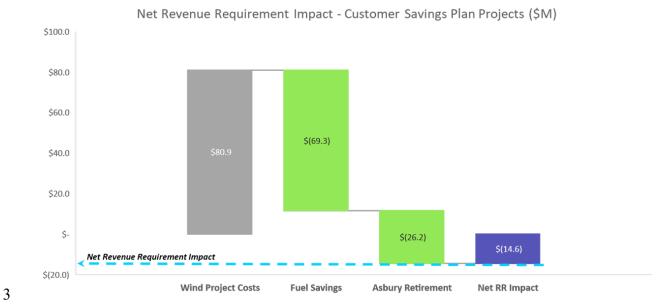


Figure 1: Net Revenue Requirement including fuel savings, Asbury and Wind

#### 4 Q. Why have a separate piece of testimony focused on the Revenue Requirement 5 calculation of just a handful of initiatives? 6 There are three main reasons why the Company believes that added focus is warranted for A. 7 these components of the overall revenue requirement, as they reflect: 8 customer savings in revenue requirement and other related mechanisms; 9 specific Commission guidance from past proceedings; and 10 net new types of assets entering the Company's rate base. 11 On balance, the investments in question are a product of customer focused managerial 12 decisions that respond to changing energy sector economics, responsibly leveraging new 13 technology, and optimizing both public policy tools and commercial arrangements to 14 deliver tangible value for customers and shareholders alike. 15

#### 1 III. WIND PROJECTS

#### 2 Q. Please briefly summarize the background of the wind projects in question.

A. During the first half of 2021, Empire acquired interest in three wind generation projects
through a holding company. The transactions were grounded in previously secured
Commission approvals in cases EO-2018-0092 (the "Customer Savings Plan case") and
EA-2019-0010 (the "CCN case"). My colleagues Todd Mooney, Shaen T. Rooney and Tim
Wilson provide the details concerning the construction, acquisition, financing, operation,
and market revenue generation for these projects in their respective direct testimony.

## 9 Q. Has the Company included the costs of the Wind Projects in its cost of service in this 10 case? If so, please explain how.

A. Yes. The Company reflected its Wind Project investments as plant in service and seeks to
 recover the associated Cost of Capital and the Operation and Maintenance ("O&M")
 Expenses associated with the projects. Importantly, the Wind revenue requirement is
 reduced approximately 67% by the wind net operating income and associated amortization

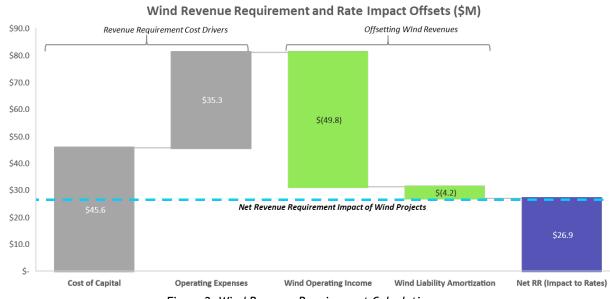


Figure 2: Wind Revenue Requirement Calculation

of the wind revenue liability . Figure 2 illustrates this concept using a waterfall diagram,
 while I address each component in detail below.

It is also important to note that there are several other cost and/or revenue drivers associated with the wind projects, which the Company will seek to recover (or credit to) customers directly through the Fuel Adjustment Clause ("FAC"). I discuss these additional items below as well. As noted above, before completing my wind-related testimony, I also address the MPPM mechanism that provides another layer of potential downside protection for our customers, should the expected wind revenues not materialize to the expected degree.

#### 10 Q. What cost drivers make up the Rate Base of the Wind Projects?

- A. The rate base amount upon which the Cost of Debt and Return on Equity are calculated
  reflects the net book value of:
- 13
- the physical plant supporting wind generation; and
- 14
- other capitalized costs that the company is required to account for.
- 15 I discuss each component below.
- 16 The Physical Plant

17 The physical plant is made up of wind turbine assets and other civil and electrical 18 infrastructure required to safely generate, collect and transmit the electricity towards the 19 load centers where it is consumed. Please refer to the Direct Testimony of the Company 20 Witness Shaen T. Rooney for a more detailed description of these assets.

- 21 Other Capitalized Costs
- Also included in the Wind Project Rate Base are the appropriate amounts to account for the costs of future removal of the wind assets known as the Asset Retirement Costs

("ARC") and Asset Retirement Obligations ("ARO"), and allocations for Accumulated
 Deferred Income Tax ("ADIT").

# 3 Q. What are the Asset Retirement Costs and Obligations and why are they in the Rate 4 Base now?

5 A. The ARC is a rate base entry that captures the capitalized cost of Empire's legal obligation, 6 ARO, to eventually dismantle the Wind Projects. All of Empire's Wind Projects are located 7 on leased land easements, each of which has a definitive term of 30 years. The lease 8 agreements establishing the easements obligate the Company to remove all the 9 infrastructure and restore the land to near its original state once the agreements expire.

10 The definitive expiry date of the lease agreements is the reason why the ARO 11 obligation arises. Under Accounting Standards Codification ("ASC") 410-20-25 an ARO 12 exists when the obligation to perform the asset retirement activity is *unconditional* even 13 though there may be uncertainty about how and when the obligation will ultimately be 14 settled. Accordingly, organizations must capitalize asset retirement costs by increasing the 15 carrying amount of the related long-lived asset by the same amount of the liability for an 16 ARO. In other words, the expected net present value of asset retirement costs and 17 restoration are added to the value of the actual plant, and are depreciated over time. An 18 equal amount is established as a liability representing the obligation to remove the assets 19 on which interest is accreted in order to arrive at the future value needed to dismantle the 20 Wind farms It is also important to note that recording the ARC as plant is consistent with the Commission's Orders in the Customer Savings Plan case<sup>1</sup> and the CCN case.<sup>2</sup> 21

<sup>&</sup>lt;sup>1</sup> See also, File No. EO-2018-0092, In the Matter of the Application of The Empire District Electric Company for Approval of Its Customer Savings Plan, Report and Order (issued July 11, 2018), Ordered Paragraph 2

<sup>&</sup>lt;sup>2</sup> File No. *EA-2019-0010, In the Matter of the Application of The Empire District Electric Company for a Certificates of Convenience and Necessity Related to Wind Generation Facilities, Report and Order (issued June 19, 2019, effective June 29, 2019), Ordered Paragraph 6(h)(i).* 

# Q. What happens if the Company and the landowners choose to extend the terms of the easement lease agreements in the future?

A. The Company would make the appropriate adjustments to reflect the net impact of the
extension relative to the amounts collected to date, the expected remaining service life of
the assets, and any other applicable changes.

## Q. How is the Accumulated Deferred Income Taxes (ADIT) component of the Rate Base calculated?

8 A. For Empire's ownership share it is calculated in the same manner as it is for all other
9 regulated plant. Please see the testimony of Company witness Charlotte T. Emery for the
10 discussion of income taxes and deferrals.

#### 11 Q. What makes up the Operating Costs component of the Wind Revenue Requirement?

- A. The majority of these recurring expenses related to the costs that the Company and its service providers incur in servicing the wind projects themselves – including the day to day site, system and market operations, asset management analytics and physical asset and site upkeep work, insurance expenditures, lease payments to the easement landowners, ongoing environmental mitigation and others. The scope and nature of these services and the associated payment terms and conditions are prescribed in a series of agreements that my colleague Shaen T. Rooney discusses in his testimony.
- 19 Rounding out the Operating Expenses are the annual Depreciation expense and the
  20 Property Taxes assessed by the taxing authorities.

#### 21 Q. Do the local property taxes include those for the wind farm located in Kansas?

A. No. There are no property taxes assessed to the Neosho Ridge Wind Project for the ten
 years immediately following the taxable year in which construction or installation of the

1		Kansas Wind farm is completed. This is a result of Kansas Statute Annotated §79-201,
2		which exempts an applicant from paying property tax. However, the Company entered an
3		agreement to pay in lieu of property tax \$1,000,000 per year to Neosho County.
4	Q.	How did the Company calculate the Depreciation rate for the calculation of the net
5		Rate Base Wind Projects?
6	A.	We propose to use the depreciation rate of 3.33% for all the wind assets based on the
7		Commission's Order in the CCN Case. As Dane Watson explains in his Direct Testimony,
8		there is not enough information about the Wind Projects at this time to have included them
9		in his depreciation study, hence the adoption of the Commission provided depreciation
10		rate. The proposed rate assumes the recovery of the Wind Projects over a thirty-year period
11		of the projects' easement leases. At this point the depreciation rate does not incorporate the
12		dismantlement costs, asset removal or salvage value, all of which can be explored at the
13		time when a future wind asset depreciation study is completed.
14	Q.	Please describe the market revenues from wind power sales that are included in the
15		Wind Project Revenue Requirement and serve to offset their total rate impact.
16	A.	There are two components to the market revenues reflected in the revenue requirement
17		relating to the Wind Projects. The first component reflects the expected annual revenues
18		the Wind Projects will produce once they are included in base rates. As captured in Figure
19		2 at the start of this section, the Company estimates this value to be \$49.8 million. The
20		second component reflects the estimated revenues that the Wind Projects will generate net
21		of expenses between the time of being acquired and when new rates go into effect following
22		the conclusion of this rate case. Consistent with the Figure 2 above, the annual amount of
23		this item is estimated to be \$4.2 million.

1 Q. What is the background to the Company's decision to use the Wind Project revenues 2 collected prior to the conclusion of this rate case to offset the revenue requirement? 3 In Empire's last general rate case (Case No. ER-2019-0374), the Commission's Report and A. 4 Order stated the Company could not flow through any costs or revenues relating to the 5 Wind Projects prior to the Commission approval of the revenue requirement relating to the 6 Wind Projects being placed in base rates. Since the PISA approach that Empire elected 7 allows it to defer and recover 85% of the depreciation and return on its Wind Project 8 investments, the Company is proposing to offset the wind revenue requirement with 85% 9 of Empire's Missouri jurisdictional share of the net revenues collected from the time the 10 projects' were acquired through the date rates go into effect and the Company is able to 11 recover the PISA deferral. The percentage of revenues proposed to be allocated in this 12 manner aligns with the value of PISA deferrals related to the wind assets. 13 Please describe the Wind Project-related costs and revenue items which you Q. 14 previously mentioned will be flown through the FAC rather than included in base 15 rates. 16 Empire proposes that the cost impact of items such as Production Tax Credits ("PTCs"), A. Renewable Energy Credits ("RECs"), Hedge Net Settlements, PAYGO<sup>3</sup> contributions and 17 18 other variable costs such as cash distributions related to tax equity be netted against the 19 Wind Projects' market revenues, with the balance flowed through to customers as part of 20 Empire's FAC charge, re-set by the Commission every six months. The Direct Testimony

<sup>&</sup>lt;sup>3</sup> Contingent Contributions (referred to as "Paygo") represent additional contributions of cash by the tax equity partners to Empire Wind Holdings, LLC based on actual production in excess of a threshold. Paygo contributions received by Empire Wind Holdings, LLC are distributed to Empire and hence reduce the cost of service to customers.

of Company witnesses Todd Mooney and Aaron J. Doll describes the nature of these items
 in more detail.

# 3 Q. What is the net annual revenue requirement for the Wind Projects between the base 4 rate and FAC impacts?

- 5 The net annual revenue requirement for the Wind Projects included in the Company's cost A. 6 of service is projected to be \$26.9 million. This net revenue requirement amount is 7 approximately 67% lower than the sum of Wind Projects' annual Cost of Capital and 8 Operating Costs due to the offsetting effect of electricity sales revenues using zero-dollar 9 fuel that the Company is using to offset the rate impact for its consumers. This tangible and 10 sustainable value would not have been possible without the Company's decision to retire 11 Asbury when it did and replenish its installed capacity with clean and sustainable wind 12 generation financed in conjunction with tax equity partners.
- While it effectively traces the same calculation as the Figure 2 at the start of this
  section, Figure 3 below provides a more detailed accounting breakdown of the net Wind
  Project revenue requirement calculation.

Figure 3
----------

			Total
Line			Missouri
No.	Description	Reference	Wind Project
	(a)	(b)	(d)
4	Rate Base		<u> </u>
1	Rate Base	Schedule B-2	\$ 525,311,12
2	Rate of Return Requested	Schedule E-1	7.0
3	Return on Rate Base	Line 1 x Line 2	\$ 36,951,9
	Operating Expenses		
4	Non-FAC Operating Expenses	Schedule F-1	35,286,60
5	Income Taxes		
6	Operating Income (Loss) After Taxes	Line 4 - Line 5	35,286,60
	Cost of Capital		
7	Rate Base	Line 1	525,311,1
8	Weighted Cost of Debt	Schedule E-1	1.7
9	Interest Deduction	Line 7 x Line 8	9,405,28
10	Weighted Cost of Equity	Schedule E-1	5.2
11	Equity Return	Line 7 x Line 10	27,546,6
12	GRCF	2021 Rev. Req. Model	1.31
13	Total Equity Return	Line 11 x Line 12	36,169,5
	Project Revenue Requirement		
14	Operating Expense	Schedule F-1	35,286,60
15	Total Equity Return	Line 13	36,169,5
16	Total Debt Return	Line 9	9,405,2
17	Project Revenue Requirement	Sum: Lines 14 - 16	\$ 80,861,40
	Reductions to Rates		
18	EDE FAC Operating Income	Schedule F-1	\$ 49,760,83
18	Wind Liability Amortization	Schedule F-1	\$ 49,760,83
20	Net Impact to Rates		\$ 4,205,53 \$ 26,897,03

#### 2 Q. Please describe the Wind Projects adjustments you are sponsoring.

- 3 The specific adjustments are as follows, and their nature is described above: A.
- 4

6

RB ADJ 1 for plant additions specific to the wind projects and the respective •

- 5 Accumulated Depreciation.
  - RB ADJ 10 for the wind projects asset retirement obligations

- RB ADJ 11 includes the projected ADIT balance for the wind projects at the end
  of the update period in this case.
- REV ADJ 14 and EXP ADJ 25 include the O&M costs and revenues for four
  affiliate contracts: Asset Management and Administrative Services Agreement
  ("AMA"); Energy Management Services Agreement ("EMSA"); and Operations
  and Maintenance Agreement ("OMA") each between Empire and each of the Wind
  Project companies; and the Affiliate Services Agreement ("ASA") which is
  between Empire and Algonquin Power Fund (America) Inc.
- EXP ADJ 25 also includes lease expense, property tax, service and maintenance
   agreement costs, insurance, and post-construction environmental costs for the Wind
   Projects. Please see the testimony of Witnesses Shaen T. Rooney and Aaron J. Doll
   for an explanation of the affiliate contracts.

#### 13 IV. MARKET PRICE PROTECTION MECHANISM ("MPPM")

## 14 Q. Please describe the MPPM mechanism that you stated is designed to further reduce 15 the risk potentially faced by customers due to the Wind Projects?

- A. In Case No. EA-2019-0010, the Company, working with stakeholders, developed, and
  received approval from the Commission of, the MPPM that will compare the Wind Project
  cost (revenue requirement) to Wind Project benefits (Wind Project market revenues, plus
  the avoided capacity costs for two expiring purchase power agreements ("PPAs")) from
  the Elk River and Meridian Way wind facilities.
- The MPPM is another layer of protection for the Company's customers, as it provides for sharing of risk between Missouri jurisdiction customers and shareholders associated with the possibility that actual market prices and/or actual energy production

from the Wind Projects turn out to be less than what has been projected. The MPPM shields
 customers from revenue shortfall risk of up to \$52.5 million over the first ten years after
 the Wind Projects are included in customer rates ("Guarantee Period") should the actual
 prices and energy production be less than anticipated by Empire.

5

#### **Q.** Please summarize how the MPPM works.

6 A. The MPPM goes into effect on the first day of the month after the last Wind Project is 7 placed into rates and remains in effect for 10 years following the effective date of rates resulting from the first general rate case in which all Wind Projects are included in rates. 8 9 The Mechanism operates by comparing the amount of revenue generated from sales of 10 energy from each Wind Project into the SPP Integrated Marketplace to the Wind Revenue 11 Requirement ("WRR") associated with the Wind Projects, and to the value of replacing the 12 energy from the Elk River and Meridian Way PPAs once they have expired (the "PPA 13 Replacement Value").

#### 14 Q. Is there a mathematical formula for calculating the MPPM benefit?

- A. Yes. The formula for calculating the Annual Wind Value ("AWV") benefit to customers
  consists of several steps illustrated below:
- 17 Step 1: Calculate Total Annual Wind Value

18

#### AWV<sub>Total</sub> = SPP IM sales revenues + PPA Replacement Value – WRR

- 19 Step 2: Identify Customer Portion of the Annual Wind Value known as the Annual Sharing
- 20 Value (ASV)
- 21
- 22 Step 3: Add the latest year's ASV to the previous years' ASVs up to Year 10, to determine

 $ASV_{Year n} = AWV_{Total} \times 50\%$ 

23 running total of risk sharing benefits (if any):

1

### If $\sum ASV_{Year n}$ , $ASV_{Year n+/-1...}$ (first 10 Years) $< 0 \rightarrow Record Liability$

2

## If $\sum ASV_{Year n}$ , $ASV_{Year n+/-1...}$ (first 10 Years) $\geq 0 \rightarrow No$ Action

If the ASV Sum at the end of Step 3 is negative, a regulatory liability, it shall be amortized and returned back to customers starting with the effective date of rates in the first rate case after the end of the 10-year Guarantee Period.<sup>4</sup> Conversely, if the Wind Projects perform as projected or exceed projections, customers will retain 100% of the benefits provided by the Wind Projects. These factors will be updated by the Company on an annual basis using the actual values during the MPPM Guarantee Period.

9 As the above explanation illustrates, the MPPM represents an asymmetric risk 10 sharing mechanism that benefits the Company's customers in the first decade of the Wind 11 Projects' operations, since they stand to gain 100% of the Wind Projects' revenue upside 12 and only 50% of the downside.

#### 13 Q. How will the MPPM be recorded on the Company's books?

A. The Company will produce a calculation annually based on the MPPM formula and record
any regulatory asset/liability that results from the calculation. In addition to tracking the
ASV annually, the Company will make the information, and supporting documentation,
available to the parties.

<sup>&</sup>lt;sup>4</sup> File No. *EA-2019-0010, In the Matter of the Application of The Empire District Electric Company for a Certificates of Convenience and Necessity Related to Wind Generation Facilities, Report and Order (issued June 19, 2019, effective June 29, 2019), Exhibit B).* 

#### 1

#### V. <u>ASBURY RETIREMENT</u>

#### 2 Q. Please briefly describe Asbury and its retirement circumstances.

A. Asbury was a coal-power plant constructed in 1970. As recently as 2014, the plant
 underwent significant emission control upgrades, to comply with environmental policy
 requirements, which the Commission approved.<sup>5</sup> As it continued operating, its operating
 economics continued to erode as detailed in Aaron J. Doll's Direct Testimony.

7 The Company analyzed retiring Asbury as part of its Generation Fleet Savings 8 Analysis presented to the Commission in 2017 as well as in its 2019 Integrated Resource 9 Plan ("IRP"). Most recently in the 2019 IRP, Empire determined that retirement of Asbury 10 in 2019 would yield the benefits of \$93 million over 20 years for its customers when 11 compared to its continued operation until its end of useful life.<sup>6</sup> Pursuant to this analysis, 12 Asbury was retired on March 1, 2020.

#### 13 Q. Was the Company directed to track the costs related to the impact of retiring Asbury?

14 Yes. In Case No. ER-2019-0374, the Commission issued an Amended Report and Order A. 15 on July 23, 2020 requiring the Company to establish an Accounting Authority Order ("AAO") with regard to the retirement of Asbury. The AAO directed the Company to 16 17 establish regulatory asset or liability accounts, beginning January 1, 2020, to reflect the 18 impact of the closure of Asbury and required the Company to separately track and quantify 19 the changes from the base amounts, reflected in Appendix D of the Global Stipulation and 20 Agreement submitted in that case, for the following categories of rate base and expense 21 reflected in the Commission's Order:

<sup>&</sup>lt;sup>5</sup> File No. ER-2014-0351, In the Matter of The Empire District Electric Company for Authority to File Tariffs Increasing Rates for Electric Service Provided to Customers in the Company's Missouri Service Area. <sup>6</sup> File No. EO-2019-0049, 2019 IRP, Volume 7, pg. 10.

1		a. Rate of return on Asbury Plant,
2		b. Accumulated Depreciation,
3		c. Accumulated and Excess Deferred Income Tax,
4		d. Fuel inventories assigned to the Asbury Plant,
5		e. Depreciation expense,
6		f. All Non-fuel/ non-labor operating and maintenance expenses,
7		g. All labor charges for maintaining and operating the Asbury Plant,
8		h. Property taxes assigned to the Asbury Plant, and
9		i. Any costs associated with the retirement of the Asbury Plant, including
10		dismantlement and decommissioning - Non-Empire labor excluded.
11	Q.	Were there any other additional items the Commission ordered the Company to track
12		in the AAO?
12 13	A.	in the AAO? In addition to the items stated above, the Commission also ordered the Company to include
	A.	
13	A.	In addition to the items stated above, the Commission also ordered the Company to include
13 14	A.	In addition to the items stated above, the Commission also ordered the Company to include the following items which were proposed by OPC's witness:
13 14 15	A.	In addition to the items stated above, the Commission also ordered the Company to include the following items which were proposed by OPC's witness: a. Cash working capital and income tax gross up associated with Asbury,
13 14 15 16	A.	<ul><li>In addition to the items stated above, the Commission also ordered the Company to include the following items which were proposed by OPC's witness:</li><li>a. Cash working capital and income tax gross up associated with Asbury,</li><li>b. Any fuel or SPP revenues or expenses associated with Asbury that do not flow</li></ul>
13 14 15 16 17	А. <b>Q.</b>	<ul> <li>In addition to the items stated above, the Commission also ordered the Company to include</li> <li>the following items which were proposed by OPC's witness: <ul> <li>a. Cash working capital and income tax gross up associated with Asbury,</li> <li>b. Any fuel or SPP revenues or expenses associated with Asbury that do not flow through the FAC, and</li> </ul> </li> </ul>
<ol> <li>13</li> <li>14</li> <li>15</li> <li>16</li> <li>17</li> <li>18</li> </ol>		<ul> <li>In addition to the items stated above, the Commission also ordered the Company to include the following items which were proposed by OPC's witness:</li> <li>a. Cash working capital and income tax gross up associated with Asbury,</li> <li>b. Any fuel or SPP revenues or expenses associated with Asbury that do not flow through the FAC, and</li> <li>c. Revenue from scrap value or value of items sold.</li> </ul>

<sup>&</sup>lt;sup>7</sup> ER-2019-0374, Report and Order, p. 105-106.

the costs as of January 1, 2020, after the Report and Order was issued directing the
 Company to do so.<sup>8</sup>

#### 3 Q. What is the estimated balance of the Asbury AAO?

A. The estimated balance of the items to be tracked through the AAO as of June 30, 2021, the
update period in this case, is a regulatory liability of \$44.5 million as shown below in Figure
4. The Company will update the AAO account balances during the pendency of this case
with actuals.

Figure	4
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ASBURY	AAO	
1	Plant In Service	\$ (217,663,073
2	Remaining Plant	(2,277,616
3	Accumulated Depreciation	62,618,776
4	Remaining Plant Accumulated Depreciation	(90,624
5	Fuel Inventories	(2,414,632
6	Cash Working Capital	(128,983
7	ADIT	(63,372
8	Excess ADIT	878,783
9	Net Rate Base/Regulatory Asset	(159,140,741
10	Return On Asbury	(14,486,088
11	Revenue From Scrap Value or Value of Items Sold	(10,248
12	Any Fuel or SPP Revenues/Expenses not flowed through FAC	-
13	Depreciation Expense	(13,914,240
14	All Non-Fuel/Non-Labor Operating & Maintenance Expenses	(5,931,161
15	Labor Expenses	-
16	Property Taxes	(2,860,004
17	Non-Labor Asbury Retirement/Decommissioning Costs	3,290,545
18	Asbury AAO Liability Before Gross Up:	(33,911,196
19	Gross Revenue Conversion Factor	1.3130
20	Regulatory Liability	\$ (44,526,314

<sup>&</sup>lt;sup>8</sup> Subsequently, the Commission issued an Amended Report and Order on July 23, 2020, with an effective date of August 2, 2020. ER-2019-0374, Amended Report and Order, p. 118-119.

#### 1 Q. How did the Company reflect Asbury's retirement in its Revenue Requirement?

A. The Company reflected adjusted regulatory asset and liability balances at June 2021 as
components of rate base, and included the associated amortization of them in its proposed
revenue requirement. In addition, the Company included a regulatory asset and associated
amortization related to the Company's FAC filing, ER-2020-0311. Finally, the Company
removed the revenue previously reserved from the regulatory liability for which the
Company seeks recovery. The adjustment amounts included in the revenue requirement
are shown in Figure 5 below.

#### 9

10

		Adjustment
Description	SCH/WP	Amount
BALANCE SHEET		
Remove Asbury ARO-unsettled & the Non-Missouri Portion of Abandoned Projects	RB ADJ 9	(8,501,833)
To include Asbury Settled ARO costs	RB ADJ 9	1,426,482
Asbury AAO Liability	RB ADJ 10	(10,359,345)
Reclass Asbury portion of Excess ADIT into separate liability	RB ADJ 10	(16,055,610)
Reclass Asbury portion of Excess ADIT out of Total Excess ADIT account	RB ADJ 10	16,055,610
Reclass Asbury portion of ADIT into regulatory liability	RB ADJ 10	(32,338,406)
Reclass Asbury portion of ADIT out of ADIT account	RB ADJ 14	32,338,406
INCOME STATEMENT		
To reverse the amount of test year revenues being offset for the Asbury AAO liability.	REV ADJ 6	13,890,879
Asbury AAO Regulatory Asset Amortization (26 yr. amortization)	EXP ADJ 9	4,319,921
Asbury Coal Amortization Adjustment re: Asbury Coal Adj ER-2020-0311 (26 yr. amortization)	EXP ADJ 9	58,955
Asbury AAO Regulatory Liability Amortization - less Asbury return and Jan/Feb expenses incurred prior to retirement (2 yr. amortization)	EXP ADJ 9	(12,125,112)

#### Figure 5

## 11 Q. Please describe RB ADJ 9 - Asbury adjustments.

A. RB ADJ 9 removed the asset retirement costs and associated asset retirement obligations
that have not been settled from the test year Asbury regulatory asset balance. The total
impact of this adjustment was to 1) reduce the value of Asbury for the purpose of
calculating the regulatory asset by \$8,501,833, resulting in a pro forma balance of
\$159,414,474, which represents Missouri's portion of Asbury unrecovered plant assets,

accumulated depreciation, and Asbury abandoned project costs and 2) include in the cost
 of service various environmental expenditures, such as costs incurred for the removal of
 asbestos and the handling and retirement of the coal ash ponds at the Asbury plant that
 have been identified as part of the legal obligations associated with the retirement of
 Asbury and which have yet to be recovered in rates.

6 Per the Amended Report and Order in Case No. ER-2019-0374, Commission Staff 7 verified the capital expenditures incurred by the Company through the true-up period in 8 that case (January 2020) were both prudent and necessary.<sup>9</sup> Therefore, this adjustment is 9 to include in the cost of service the costs previously deemed prudent by the Commission 10 Staff, the additional capital expenditures that have been incurred by the Company through 11 the end of the test year of this current case (September 2020), and any settlements that are 12 expected to be paid out through the end of the update period (June 2021).

13 The Amended Report and Order in ER-2019-0374 directed the Company to offset 14 the incurred costs against the remaining Asbury accumulated depreciation reserve<sup>10</sup>; 15 however, due to Asbury being retired at the test year end, there was no reserve to offset 16 against. Therefore, the Company is proposing \$1,684,949 (Total Company) or \$1,426,482 17 (Missouri jurisdiction) be included in the cost of service as a regulatory asset.

18 Q. Are there any other Asbury regulatory assets included in the revenue requirement?

19 A. Yes. Per the Global Stipulation and Agreement, as well as, the Order in Case No. ER-2020-

20 0311, the Company deferred its Asbury coal inventory adjustment to FERC Account 182.3,

- 21 Other Regulatory Asset, for future ratemaking consideration in the Company's next general
- rate case. There was no additional amount added to this regulatory asset; therefore, the pro

<sup>&</sup>lt;sup>9</sup> ER-2019-0374 Amended Report and Order, Page 149.

<sup>&</sup>lt;sup>10</sup> ER-2019-0374 Amended Report and Order, Pages 149-150

forma Missouri ending balance for the Asbury Coal Regulatory Asset being included in
 the Company's revenue requirement is \$1,532,832.

3

#### Q. Please describe RB ADJ 10 Asbury adjustment.

A. RB ADJ 10 updates the test year Missouri AAO regulatory liability balance \$13,890,879
for costs expected to be incurred through the June 2021 update period of this cause. In
addition, this adjustment removes the January and February 2020 expenses the Company
incurred for Asbury prior to its retirement date. This adjustment also removes the test year
balance of return reserved for Asbury from the AAO liability. This results in a Missouri
jurisdictional adjustment of \$10,359,345, making the pro forma balance of the Asbury

10 AAO regulatory liability \$24,250,224.

#### 11 Q. Please describe RB ADJ 10 Asbury Excess ADIT reclass.

- A. This adjustment is to reclass \$16,055,610 of excess ADIT related to Asbury's portion of
   retired plant from its original general ledger account into a separate regulatory liability
   account. This adjustment has a net effect on rate base of zero.
- . .

#### 15 Q. Please describe RB ADJ 10 and RB ADJ 14 Asbury ADIT reclass.

- A. This adjustment is to reclass \$32,338,406 of ADIT related to Asbury's portion of retired
   plant from the deferred taxes general ledger account into a regulatory liability account. This
   adjustment has a net effect on rate base of zero.
- 19 Q. Please describe REV ADJ 6 Asbury adjustments.
- A. The Company reduced revenues and established a regulatory liability to reserve the impacts
   of retiring Asbury as ordered by the Commission. This adjustment reverses the reduction
   to test year revenues for costs that the Company seeks recovery for in this cause, resulting
   in a Missouri level adjustment to increase revenues by \$13,890,879.

1

#### Q. Please describe Expense ADJ 9 Asbury adjustments.

A. Expense ADJ 9 includes amortization expense for: 1) the AAO regulatory asset as adjusted
2) the Asbury coal regulatory asset and 3) the AAO regulatory liability.

#### 4 Q. What amortization period is proposed for the AAO regulatory assets?

5 The proposed amortization period is 26 years, which is consistent with the 2019 IRP A. 6 analysis of the benefits of retiring Asbury versus continued operation. Using this timeframe 7 decreases the rate impact customers currently incur related to Asbury. The depreciation 8 rates currently included in rates for the recovery of Asbury were based on a retirement date 9 of 2035, which would have recovered Asbury over 13 years from the estimated date rates 10 would go into effect in this cause, versus the Company's proposed 26-year recovery period. 11 This extension results in an annual amortization adjustment of \$4,319,921 (Missouri 12 jurisdiction) which reduces the customer burden relative to the original assumption.

13 Q. What amortization period was used for the coal regulatory asset?

# A. The Company proposes to amortize the coal regulatory asset over the same time period as the AAO regulatory asset, which results in an additional adjustment of \$58,955 (Missouri jurisdiction) being included in the cost of service.

#### 17 Q. What amortization period was used for the AAO regulatory liability?

A. The Company proposes accelerating the return of these funds for the benefit of our
 customers by amortizing the AAO regulatory liability over two years adjusted for two
 items: 1) the expenses for January and February depreciation expense, property tax, and
 non-fuel/non-labor operation and maintenance expenses that were incurred prior to
 Asbury's retirement date and 2) the return on the Asbury AAO net rate base. In amortizing

1 the \$24.3M Missouri AAO regulatory liability described above over two years, this results 2 in an annual decrease to amortization expense of \$12,125,112.

#### 3 Q. What amortization period is proposed for Asbury's portion of ADIT and Excess 4 **ADIT included in the AAO?**

5 A. The Company included an amortization period of 26 for both ADIT and the protected and 6 unprotected portion of Excess ADIT ("EADIT"). Per IRS rules, and FERC regulations<sup>11</sup>, 7 the Company cannot return excess tax reserve any quicker than if the property had 8 remained public utility property. In addition, in order to use a normalization method of 9 accounting,  $\S168(i)(9)(A)(i)$  requires a taxpayer, in computing its tax expense for 10 establishing its cost of service for ratemaking purposes and reflecting operating results in 11 its regulated books of account (regulated tax expense), to use a method of depreciation for 12 property that is the same as, and a depreciation period for such property that is no shorter 13 than, the method and period used to compute its depreciation expense for establishing its cost of service for ratemaking purposes.<sup>12</sup> 14

#### 15 Q. Is the Company continuing to incur costs related to Asbury?

16 Yes. The Company continues to incur expenses for taxes, insurance, and other costs to A. 17 keep the property safe until it is dismantled. As indicated in the Direct Testimony of 18 Empire witness Drew W. Landoll, Empire was able to re-purpose a portion of Asbury so it 19 could be used in the operation of the Company's Wind Projects and new solar generation. 20 **Q**. Will the Company incur costs in the future related to the portion of Asbury that has

21 been retired?

<sup>&</sup>lt;sup>11</sup> 26 CFR 601.105: Examination of returns and claims for refund, credit, or abatement; determination of correct tax liability. (Also: § 1.168(i)-3) <sup>12</sup> IRS Notice 2019-33

1	A.	Yes. The Company will incur costs for decommissioning and/or disposal of retired assets
2		and will also incur costs related to environmental monitoring of the coal ash pond. Please
3		see the Direct Testimony of Empire witness Drew W. Landoll for further discussion on the
4		Asbury plant decommissioning and environmental monitoring.

- 5Q.How is the Company proposing to recover the continuing and future costs associated6with Asbury?
- A. The Company proposes to continue to track the continuing and future costs, including
  decommissioning, through the Asbury AAO until the facility has been fully
  decommissioned. By tracking these costs, it ensures customers pay no more or no less than
  the actual expenses incurred. In the first rate case following the decommissioning of
  Asbury, Empire will propose an amortization of these future costs.

#### 12 Q. Are there other costs the Company proposes to track through the Asbury AAO?

A. Yes. The Company proposes to track the return to customers of the excess ADIT and other
 regulatory liability costs through the Asbury AAO so that any potential excess refunds of
 these costs to customers may offset the continuing and future costs related to Asbury as
 described above.

#### 17 Q. What is the annual revenue requirement impact of the Company's Asbury proposal?

A. The annual revenue requirement for the impact of Asbury included in the calculation of base rates in this cause is \$529,473. Figure 6 compares the Company's proposal with the calculation of the Asbury's revenue requirement that is currently being collected in base rates. As can be inferred from netting out the current and proposed Revenue Requirement calculations (columns (c) and (d) respectively), the Company's proposal results in annual revenue requirement savings of \$26.2M as compared to the costs included in ER-2019-

0374. When compared to the annual value of wind-related revenue requirement offsets,
 which Asbury's retirement enabled, the proposed Revenue Requirement figure underlying
 the plant's treatment that the Company seeks is very modest.

4

			Total Missouri	Total Missouri
Line			Asbury (Retired Plant)	Asbury (Retired Plant)
No.	Description	Reference	Base Rates ER-2019-0374	Proposed ER-2021-0312
	(a)	(b)	(c)	(d)
1	Net Retired Asbury Plant		\$ 156,824,597	\$ 159,414,474
2	Asbury Environmental Regulatory Assets		-	1,426,482
3	Fuel Inventories		3,947,465	1,532,832
4	Cash Working Capital		(128,983)	(128,983)
5	ADIT		(32,275,034)	(32,338,406)
6	Excess ADIT		(16,934,393)	(16,055,610)
7	Asbury AAO Liability		-	(24,250,224)
8	Net Rate Base	(Line 1 thru Line 7)	111,433,651	89,600,566
9	Revenues Related to Retired Plant		-	-
10	Expenses/Amortization Related to Retired Plant		16,864,061	(7,746,235)
11	Operating Income (Loss) Before Taxes	(Line 9 - Line 10)	(16,864,061)	7,746,235
12	Effective Tax Rate		23.84%	23.84%
13	Income Taxes	(Line 11 x Line 12)	(4,020,409)	1,846,710
14	Operating Income (Loss) After Taxes	(Line 11 - Line 13)	(12,843,652)	5,899,525
15	Current Rate of Return	(Line 14 / Line 8)	-11.53%	6.58%
16	Rate of Return		6.77%	7.03%
17	Required Net Operating Income	(Line 8 x Line 16)	7,539,601	6,302,771
18	Income Deficiency	(Line 17 - Line 14)	20,383,253	403,246
19	Gross Revenue Conversion Factor		1.3130	1.3130
20	Asbury Revenue Requirement:	(Line 18 x Line 19)	\$ 26,763,760	\$ 529,473

#### Figure 6

#### 5

6 VI. <u>AMI</u>

#### 7 Q. Please describe the AMI investment.

A. As described in the Direct Testimony of Company witness Chad Hook, AMI is a
comprehensive metering solution working in concert to create two-way communications
between customer meters and the utility. AMI meters, sometimes referred to as "smart
meters," are digital meters with advanced features and capabilities beyond traditional
electricity meters. The meters transmit information to field collectors, forming a mesh
network, which is flexible in that the meters route data via nearby devices creating a mesh

network of coverage. Within the network, each meter serves as a repeater to help transfer
the data to the collectors, which then transmit the information to the AMI control center
through a cellular network. Please see Mr. Hook's Direct Testimony for a more detailed
description of this project including the progress of implementation; customer benefits of
AMI; and operational efficiencies enabled by AMI.

#### 6 **Q.** Are the customers expected to experience savings associated with the AMI project?

A. Yes. The new meters have two-way electronic communication. Meter reads as well as
remote connects and disconnects may be achieved electronically, thereby eliminating
expenses to manually read meters such as labor and labor related costs, vehicle expense,
and related overheads. The Company estimates that over a 20-year forecast period, these
savings will amount \$195M, or on a present value basis \$107M.

# Q. Did the Company make an adjustment to its revenue requirement to reflect any operational benefits or efficiencies it anticipates to realize as a result of its AMI implementation?

A. Yes. Based on anticipated operational savings, the Company included a pro forma
adjustment to reflect a reduction in meter reading expenses. See EXP ADJ 29 below.

#### 17 Q. How is the AMI investment reflected in the Company's cost of service?

A. The Company reflected the AMI investment in plant and included the operation and
 maintenance ("O&M") expense, depreciation, and taxes relating to AMI in its cost of
 service. Figure 7 below shows the adjustment amounts included in the revenue
 requirement for the AMI project.

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23

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Figure 7	/
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		Adjustment
Description	SCH/WP	Amount
BALANCE SHEET		
To include AMI Plant in Service	RB ADJ 1	23,654,446
To include AMI Accumulated Depreciation	RB ADJ 1	(1,020,580)
To reflect the regulatory asset for stranded meters	RB ADJ 9	9,010,642
To remove stranded meter costs from Plant in Service and Accumulated Depreciation	RB ADJ 15	(9,010,642)
INCOME STATEMENT		
To reflect an annual amount of revenues received from customers who have opted out of using the AMI meters.	REV ADJ 7	286,200
To reflect an annual amount of amortization related to the stranded meters regulatory asset	EXP ADJ 9	500,591
To include costs to educate customers about the proposed TOU program.	EXP ADJ 14	139,827
To include outside service epenses needed for the AMI project based on pricing sheets from third-party vendors.	EXP ADJ 26	1,205,127
To reflect the savings related to the reduction of meter readers needed after deployment of the AMI meters.	EXP ADJ 29	(1,005,247)

## 2 Q. Please describe RB ADJ 1 for the AMI Project.

3	A.	RB ADJ 1 adjusts plant in service to reflects plant additions made after the test year but
4		expected to be in service by June 30, 2021, the Update period. Included in that adjustment
5		is \$23.65 million of plant related to the AMI Project. It also includes an adjustment to
6		increase accumulated depreciation by \$1.02 million for a total net adjustment of \$22.63
7		million.
8	Q.	Please describe RB ADJ 9 for the AMI Project.
9	A.	RB ADJ 9 reflects the estimated balance for the stranded meters replaced by the new meters

- 10 as a part of the AMI project. The Company is requesting a regulatory asset of \$9,010,642
- 11 to be included in rate base.

# 12 Q. Have other jurisdictions addressed recovery of retired meter costs due to AMI 13 deployment?

A. Yes. In Missouri, Kansas City Power and Light ("KCP&L") received recovery by
 adjusting its meter reserve account for the stranded costs.<sup>13</sup> Oklahoma Gas and Electric
 ("OG&E") in Oklahoma started its Smart Grid project in 2010 and received approval to
 recover its retired meter costs driven by its AMI program over a six-year period.<sup>14</sup>

5

#### Q. Please describe RB ADJ 15 for the AMI Project.

A. RB ADJ 15 removes the stranded meter costs from plant in service and accumulated
depreciation as of the update period. The net amount is the amount requested to be included
in rate base as a regulatory asset, which results in a decrease to rate base by \$9,010,642.

9

#### Q. Please describe REV ADJ 7 for the AMI Project.

A. REV ADJ 7 reflects the estimated revenue related to the monthly opt-out fees which the
 Company expects to receive for those customers who choose not to have electronically
 read meters. This adjustment increases revenues by \$286,200 on a Missouri jurisdictional
 level.

## 14 Q. Please describe EXP ADJ 9 for annual amortization related to the stranded meters 15 regulatory asset.

A. The Company is proposing an 18-year amortization period related to the regulatory asset
 for stranded meters described above, which results in an annual amortization of \$500,591.

- 18 Q. Is the Company proposing an educational campaign related to TOU rates?
- 19 A. Yes. As stated in a Missouri Smart Grid Report,<sup>15</sup> "before implementing time of use rates,
- 20 it is critical that customers be provided sufficient education to understand the new tariff
- 21 and how their behavior and decisions will impact their bill." Therefore, the Company is

<sup>&</sup>lt;sup>13</sup> ER-2014-0370 Order Approving Stipulation and Agreement Issued July 17, 2015

<sup>&</sup>lt;sup>14</sup> OG&E Cause No. PUD 201000029 Order No. 576595 pg.18.

<sup>&</sup>lt;sup>15</sup> Missouri Smart Grid Report 2014

- 1 developing plans to educate customers about TOU Rates through a variety of
- 2 communication mediums and budgeted costs as shown below in Figure 8 and Figure 9.
  - Figure 8
- 4 General Customer TOU Education
  - Target Audience: Liberty's Missouri Electric Service Areas
- 5 6

3

Communication Medium	Target Audience	Budget
Bill Insert	All MO Electric Customers	\$7,000
Informational Video	All MO Electric Customers	\$3000
Website Landing Page	All MO Electric Customers	\$0
Customer Email	All MO Electric Customers	\$0
Social Media - Boosted	Select communities in service	\$1000
	areas	
Digital Campaign – 60 days	Select communities in service	\$7500
	areas	
Radio Spot – 60 days	Select communities in service	\$40,000
(production & schedule)	areas	
Total		\$58,500

7 8

Figure 9

- 9 TOU Subscription Program
- 10 Target Audience: 50,000 customers (Liberty's AMI Sector 1 & 2: Joplin / Webb City / Carl Junction)
- 11 First year subscription Goal: 700
- 12

Communication Medium	Target Audience	Budget
Customer Survey	Sector 1 & 2	\$5,000
Direct Mail	Sector 1 & 2	\$37,500
Informational Video	Sector 1 & 2	\$3000
Website Landing Page	Sector 1 & 2	\$0
Targeted Digital Campaign – 60	Sector 1 & 2	\$3,000
days		
Customer Email	Sector 1 & 2	\$0
TV Spot – 60 days (production &	Sector 1 & 2	\$30,000
schedule)		
Radio Spot – 60 days	Sector 1 & 2	\$20,000
(production & schedule)		
Total		\$98,500

1 Q.

### Please describe EXP ADJ 14 for the TOU educational costs.

2 A. EXP ADJ 14 adjusts the requested cost of service to educate customers about the 3 Company's proposed TOU program as described above. This results in a Total Company 4 pro forma adjustment of \$157,000 and a Missouri pro forma adjustment of \$139,827 being 5 included in the cost of service for the Company's educational campaign.

#### 6 Q. Please describe EXP ADJ 26 for the AMI Project.

7 EXP ADJ 26 reflects the O&M expenses related to the Itron service contracts for the AMI A. 8 Project. This results in an increase to Missouri expenses by \$1,205,127.

#### 9 Q. Please describe EXP ADJ 29 for AMI Meter Readers.

10 A. EXP ADJ 29 reflects the estimated reduction of \$1,005,247 in contracted meter reader 11 expenses expected to occur by the time new rates are in effect. This results in a Missouri 12 pro forma ending balance of \$0 for the contracted meter reader expense. After deployment 13 of the AMI Meters, the Company plans to retain four employees to read meters manually 14 where necessary.

#### 15 Q. What is the annual revenue requirement impact related to AMI?

The annual revenue requirement for the AMI project included in the calculation of base 16 A. 17 rates in this cause is \$7,382,687. The calculation of the AMI revenue requirement is shown 18 in Figure 10 below.

- igne iv						
	The Empire District Electric	c Company				
	Test Year Ending Septemb	per 30, 2020				
	ER-2021-0312					
	Schedule 1 - AMI Revenue Requ	irement Summary				
			Total Missouri			
Line			Pro Forma			
No.	Description	Reference	Balance			
	(a)	(b)	(c)			
1	Rate Base	Schedule 2	\$ 43,479,662			
2	Revenues		286,200			
3	Expenses		3,366,809			
4	Operating Income (Loss) Before Taxes	(Line 2 - Line 3)	(3,080,609			
5	Effective Tax Rate	Schedule 4	23.849			
6	Income Taxes	(Line 4 x Line 5)	(734,420			
7	Operating Income (Loss) After Taxes	(Line 4 - Line 6)	(2,346,189			
8	Current Rate of Return	(Line 7 / Line 1)	-5.409			
9	Rate of Return Requested	Schedule 4	7.039			
10	Required Net Operating Income	(Line 1 x Line 9)	3,058,489			
11	Income Deficiency	(Line 10 - Line 7)	5,404,678			
12	Gross Revenue Conversion factor	Schedule 5	1.3130			
13	Revenue Deficiency	(Line 11 x Line 12)	7,096,487			
14	Revenue Requirement	(Line 2 + Line 13)	\$ 7,382,687			

#### Figure 10

2

### 3 VII. <u>CONCLUSION</u>

#### 4 Q. Please summarize the Company's request for the above investments you describe.

5 A. The Company is requesting inclusion of the revenue requirements as described for each of 6 the three investments, Wind Projects, Asbury Plant and AMI Project. As described above 7 and in the Direct Testimonies of other Company witnesses, these assets and their produced 8 treatment generate significant benefits for the Company's customers. Most importantly,

- 1 they represent a clear example of a technological and customer-focused strategic and
- 2 operational pivot that Empire is in the process of making to better serve its customers.

## 3 Q. Does this conclude your Direct Testimony?

- 4 A. Yes.
- 5

#### **VERIFICATION**

I, Tisha Sanderson, under penalty of perjury, on this 28th day of May, 2021, declare that the foregoing is true and correct to the best of my knowledge and belief.

/s/ Tisha Sanderson