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Exhibit No.: Issue(s):

Vegetation Management/Infrastructure

Inspection Annualized

Expense and Trackers/

Advanced Coal Project Investment Tax Credit (ITC) Over-Collection/ Iatan 2, Iatan Common, & Plum Point Operations & Maintenance (O&M) Annualized Expense and Trackers/

Corporate Franchise Tax

Witness/Type of Exhibit:

Sponsoring Party:

Case No .:

Roth/Direct Public Counsel

ER-2014-0351

DIRECT TESTIMONY

OF

KERI ROTH

Submitted on Behalf of the Office of the Public Counsel

EMPIRE DISTRICT ELECTRIC COMPANY

CASE NO. ER-2014-0351

January 29, 2015

Date 15 Reporter 45 File No ER -2014-0351

BEFORE THE PUBLIC SERVICE COMMISSION OF THE STATE OF MISSOURI

In the Matter of The Empire District Electric)	
Company for Authority to File Tariffs Increasing	j	Case No. ER-2014-0351
Rates for Electric Service Provided to Customers)	
in the Company's Missouri Service Area.	j	

AFFIDAVIT OF KERI ROTH

STATE OF MISSOURI)	
)	SS
COUNTY OF COLE)	

Keri Roth, of lawful age and being first duly sworn, deposes and states:

- 1. My name is Keri Roth. I am a Public Utility Accountant I for the Office of the Public Counsel.
 - 2. Attached hereto and made a part hereof for all purposes is my direct 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.

Keri Roth

Public Utility Accountant I

Subscribed and sworn to me this 29th day of January 2015.

NOTARY SEAL ST JERENE A. BUCKMAN My Commission Expires August 23, 2017 Cole County Commission #13754037

Jerene A. Buckman Notary Public

My Commission expires August, 2017.

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DIRECT TESTIMONY

\mathbf{OF}

KERI ROTH EMPIRE DISTRICT ELECTRIC COMPANY CASE NO. ER-2014-0351

1	I.	INTRODUCTION
2	Q.	PLEASE STATE YOUR NAME AND BUSINESS ADDRESS.
3	A.	Keri Roth, P.O. Box 2230, Jefferson City, Missouri 65102-2230.
4		
5	Q.	BY WHOM ARE YOU EMPLOYED AND IN WHAT CAPACITY?
6	A.	I am employed by the Missouri Office of the Public Counsel (OPC or Public Counsel) as
7		a Public Utility Accountant I.
8		
9	Q.	WHAT IS THE NATURE OF YOUR CURRENT DUTIES AT THE OPC?
10	A.	My duties include performing audits and examinations of the books and records of
11		public utilities operating within the state of Missouri under the supervision of the Chief
12	:	Public Utility Accountant, Mr. Ted Robertson.
13		
14	Q.	PLEASE DESCRIBE YOUR EDUCATIONAL BACKGROUND AND OTHER
15		QUALIFICATIONS.
16	A.	I graduated in May 2011, from Lincoln University, in Jefferson City, Missouri, with a
17		Bachelor of Science Degree in Accounting.
18		
ı	I	

- Q. HAVE YOU RECEIVED SPECIALIZED TRAINING RELATED TO PUBLIC UTILITY ACCOUNTING?
- A. Yes. In addition to being employed by the Missouri Office of the Public Counsel since September 2012, I have also attended the NARUC Utility Rate School held by Michigan State University.
- Q. HAVE YOU PREVIOUSLY FILED TESTIMONY BEFORE THE MISSOURI PUBLIC SERVICE COMMISSION (COMMISSION or MPSC)?
- A. Yes. Please refer to Schedule KNR-1, attached to this testimony, for a listing of cases in which I have submitted testimony.
- Q. WHAT IS THE PURPOSE OF YOUR DIRECT TESTIMONY?
- A. The purpose of my direct testimony is to sponsor Public Counsel's positions regarding Empire's vegetation management/infrastructure inspection annualized expense and tracker amortization from Case No. ER-2008-0093; Empire's vegetation management annualized expense and tracker amortizations from Case No. ER-2010-0130, Case No. ER-2011-0004, and Case No. ER-2012-0345; the Advanced Coal Project Investment Tax Credit (ITC) over-collection; Empire's Iatan 2, Iatan Common, and Plum Point operations and maintenance annualized expense and tracker amortizations from Case No. ER-2011-0004 and Case No. ER-2012-0345; and corporate franchise tax.

II. VEGETATION MANAGEMENT/INFRASTRUCTURE INSPECTION ANNUALIZED EXPENSE AND TRACKERS

- Q. HOW LONG HAS THE VEGETATION MANAGEMENT/INFRASTRUCTURE INSPECTION TRACKER BEEN IN PLACE?
- A. The first vegetation management/infrastructure inspection tracker was authorized and established in Case No. ER-2008-0093. Since Case No. ER-2008-0093, a new vegetation management tracker has been authorized in Case No. ER-2010-0130, Case No. ER-2011-0004, and Case No. ER-2012-0345. However, in Case No. ER-2010-0130 the infrastructure inspection tracker was eliminated.

Q. HOW DOES THE VEGETATION MANAGEMENT TRACKER WORK?

A. The Commission Report and Order in Case No. ER-2008-0093 authorized a 6-year rural cycle and a 4-year urban cycle of vegetation management activities. At least one full cycle for each has been completed on the system. The Commission Report & Order also states in Case No. ER-2008-0093:

The Commission will require Empire to implement a two-way tracker for measuring costs relating to infrastructure inspection and vegetation management. The tracker shall create a regulatory liability in any year where Empire spends less than the target amount, and a regulatory asset where the company spends more than the target amount. The assets and liabilities shall then be netted against each other and considered in Empire's next rate case.

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A. Empire's response to OPC Data Request #1110 provided the following information shown in the chart below:

Tracker	Commission Order(s)*	Amortization Start Date	Amortization End Date	Monthly Amortization	Operation of Law Date – Balance @ July 26, 2015
Veg./Infrastructure Inspection Tracker ER-2008-0093	ER-2008-0093 ER-2010-0130	Sep-2010	Sep-2015	\$24,376	\$31,698
Veg. Tracker – ER-2010-0130	ER-2010-0130 ER-2011-0004	Jun-2011	Dec-2016	\$30,716	\$470,462
Veg. Tracker – ER-2011-0004	ER-2011-0004 ER-2012-0345	Apr-2013	Mar-2018	\$83,977	\$2,687,255
Total				\$139,069	\$3,189,415

^{*}First Commission Order listed is for tracker authorization. Second Commission Order listed is for authorization for recovery of cost balances.

Q. IN EMPIRE CASE NO. ER-2012-0345, DID THE COMMISSION AUTHORIZE THE COMPANY TO CONTINUE THE VEGETATION MANAGEMENT TRACKER?

A. Yes. The parties in that case agreed to continue the vegetation management tracker in the Nonunanimous Stipulation and Agreement, filed on February 22, 2013, and re-set the base level to \$12 million, Missouri jurisdictional. The Nonunanimous Stipulation and Agreement was approved by the Commission Report and Order filed February 27, 2013. The accrual beginning date for the tracker, as authorized in Case No. ER-2012-0345, was April 1, 2013.

ŀ	Q.	WHAT IS THE BALANCE TO BE AMORTIZED RELATING TO THE
2		VEGETATION MANAGEMENT TRACKER AUTHORIZED IN CASE NO. ER-2012-
3		0345?
4	A.	As of December 31, 2014, the balance to be amortized relating to the tracker authorized
5		in Case No. ER-2012-0345 is (\$871,546). This means Empire has recorded a regulatory
6		liability and \$871,546 should be returned to customers.
7		
8	Q.	WHAT IS PUBLIC COUNSEL'S RECOMMENDATION REGARDING THE
9		AMORTIZATION RELATED TO THE VEGETATION
10		MANAGEMENT/INFRASTRUCTURE INSPECTION TRACKER BALANCES?
11	A.	Public Counsel recommends combining the balances of all the vegetation
12		management/infrastructure inspection trackers into one tracker amortization balance to
13		make it easier and more efficient to monitor all the trackers in one balance, rather than
14		monitor four separate tracker balances. Public Counsel further recommends the previous
15		trend from past cases of amortizing the one tracker over 5 years.
16		
17	Q.	WHAT IS THE PROPOSED COMBINED TRACKER AMORTIZATION BALANCE?
18	A.	The total balance of all trackers at July 2015, the month in which the Operation of Law
19		Date falls in this case, is \$2,317,869. This total balance includes:
20		• the tracker balance for Case No. ER-2008-0093 of \$31,698,

1		 the tracker balance for Case No. ER-2010-0130 of \$470,462,
2		• the tracker balance for Case No. ER-2011-0004 of \$2,687,255, and
3		• the tracker balance for Case No. ER-2012-0345 for (\$871,546).
4		Please note that the tracker balance for Case No. ER-2012-0345 of (\$871,546) is as of
5		December 31, 2014. Public Counsel will update this amount through the Operation of
6		Law Date as additional information is received from Empire.
7		
8	Q.	DOES PUBLIC COUNSEL BELIEVE IT IS REASONABLE TO CONTINUE THE
9		VEGETATION MANAGEMENT TRACKER ON A GOING FORWARD BASIS IN
10		THIS CASE?
11	A.	No. Public Counsel believes there is enough historical cost information now available to
12		determine an annualized level of vegetation management expense since at least one full
13		urban and rural cycle has been completed on the system and it is more than likely
14		another cycle has begun.
15		
16	Q.	WHAT IS PUBLIC COUNSEL'S RECOMMENDATION REGARDING THE ON-
17		GOING VEGETATION MANAGEMENT EXPENSE?
18	A.	Public Counsel recommends rates include an annualized level of vegetation management
19		expense going forward.
20		

1	Q.	WHAT IS THE ANNUALIZED LEVEL OF VEGETATION MANAGEMENT
2		EXPENSE PUBLIC COUNSEL IS RECOMMENDING?
3	A.	Based on historical cost information from August 2008 through December 2014,
4		provided by Empire to Staff Data Request #53 and Empire's Vegetation Tracker History
5		workpaper, the actual vegetation management expense was:
6		• \$9,787,290 for the twelve months ending April 2010,
7		• \$11,192,755 for the twelve months ending April 2011,
8	- -	• \$13,626,324 for the twelve months ending April 2012,
9		• \$11,521,303 for the twelve months ending April 2013, and
10		• \$11,115,498 for the twelve months ending April 2014.
11		Based on the observed decreasing cost trend subsequent to April 2012, Public Counsel
12		recommends the annualized vegetation management expense be set at the current test
13		year expense level of \$11,115,498.
14		
15	III.	ADVANCED COAL PROJECT INVESTMENT TAX CREDIT (ITC) OVER-
16		COLLECTION
17	Q.	WHAT DOES THE ITC REPRESENT?
18	A.	26 U.S. Code § 48A(e)(1) – Qualifying Advanced Coal Project Credit states the
19		following:

For purposes of subsection (c)(1), a project shall be considered a qualifying advanced coals project that the Secretary may certify under subsection (d)(2) if the Secretary determines that, at a minimum –

- (A) the project uses an advanced coal-based generation technology
 - (i) to power a new electric generation unit; or
 - (ii) to retrofit or repower an existing electric generation unit (including an existing natural gas-fired combined cycle unit);
- (B) the fuel input for the project, when completed, is at least 75 percent coal;
- (C) the project, consisting of one or more electric generation units at one site, will have a total nameplate generating capacity of at least 400 megawatts;
- (D) the applicant provides evidence that a majority of the output of the project is reasonably expected to be acquired or utilized;
- (E) the applicant provides evidence of ownership or control of a site of sufficient size to allow the proposed project to be constructed and to operate on a long-term basis;
- (F) the project will be located in the United States; and
- (G) in the case of any project the application for which is submitted during the period described in subsection (d)(2)(A)(ii), the project includes equipment which separates and sequesters at least 65 percent (70 percent in the case of an application for reallocated credits under subsection (d)(4)) of such project's total carbon dioxide emissions.

Q. WHAT IS THE ISSUE?

- A. Referencing Mr. Ted Robertson's Direct Testimony in Case No. ER-2011-0004, page
 - 11, lines 1-11, he states:

On or about October 31, 2008, the Company submitted an application to the Internal Revenue Service and the Department of Energy requesting investment tax credits under Code Section 48A related to its investment in the Iatan II plant. Empire's entire application was originally denied because the Kansas City Power & Light Company had previously applied and was awarded the entire amount of tax credits (125 million) available to the project. However, Empire requested an allocation of the credits through an arbitration process and the arbitration panel agreed that the credits should be reallocated to Iatan II joint owners that directly pay federal taxes. The Internal Revenue Service granted the reallocations of the credits which amounts to \$17,712,500 of federal tax credits available to Empire.

The Advanced Coal Project ITC tax benefits were to be returned to customers in rates starting in 2011 by reducing rates. However, Empire did not utilize the Advanced Coal Project ITC on its 2011 tax return due to Empire receiving monies from the Internal Revenue Service in connection to the Ozark Beach generation facility. Customers were, therefore, provided the benefit of the Advanced Coal Project ITC before Empire utilized the credit on its tax return. This could be considered a violation under the Internal Revenue Service Codes if not adjusted correctly in the next rate case. Therefore, the Commission-approved Stipulation and Agreement from Case No. ER-2012-0345

e. Authorize the tracking of revenue related to the recovery of an Iatan 2 ITC tax liability of \$266,150.

included the following on page 4:

1	IV.	IATAN 2, IATAN COMMON, & PLUM POINT OPERATIONS &
2		MAINTENANCE (O&M) ANNUALIZED EXPENSE AND TRACKERS
3	Q.	ARE THERE CURRENTLY TRACKERS IN PLACE FOR PLUM POINT, IATAN 2
4		AND IATAN COMMON O&M EXPENSES?
5	A.	Yes.
6		
7	Q.	HOW LONG HAVE THE TRACKERS BEEN IN PLACE?
8	A.	The trackers were initially authorized in Case No. ER-2011-0004. The Non-Unanimous
9		Global Agreement in Case No. ER-2011-0004 states:
10 11 12 13 14 15 16 17 18 19 20		g. Authorize a tracker mechanism related to Plum Point and Iatan 2 and Common plant operating expense. The tracker will exclude consumables and SO2 emission allowances which are recovered through the FAC. Empire shall record a regulatory asset or liability for the difference between the actual expense and annual costs of \$2,518,440, Missouri jurisdictional, for Plum Point. Empire shall record a regulatory asset or liability for the difference between actual expense and annual costs of \$2,818,683, Missouri jurisdictional, for Iatan 2 and Common.
21	Q.	PLEASE IDENTIFY THE CURRENT COST BALANCES BOOKED IN THE O&M
22		TRACKERS AUTHORIZED IN CASE NO. ER-2011-0345.
23 24 25	A.	Empire's response to OPC Data Request #1110 provided the following information shown in the chart below:

Tracker	Commission Order(s)*	Amortization Start Date	Amortization End Date	Monthly Amortization	Operation of Law Date — Balance @ July 26, 2015
PP O&M Tracker ER-2011-0004	ER-2011-0004 ER-2012-0345	Apr-2013	Mar-2016	\$1,933.43	(\$340,587)
IatanII OM Tracker ER-2011-0004	ER-2011-0004 ER-2012-0345	Apr-2013	Mar-2016	\$3,006.82	\$239,826
IatCom OM Tracker ER-2011-0004	ER-2011-0004 ER-2012-0345	Apr-2013	Mar-2016	\$71,944.60	(\$351,463)
Total				\$76,884.85	(\$452,224)

^{*}First Commission Order listed is for tracker authorization. Second Commission Order listed is for authorization for recovery of cost balances.

Q. WILL ANY OF THE O&M TRACKERS FROM CASE NO. ER-2011-0004 HAVE

OVER-RECOVERED AS OF JULY 2015, THE MONTH IN WHICH THE

OPERATION OF LAW DATE FALLS IN THIS CASE?

A. Yes. As shown above, the Plum Point O&M Tracker (PP O&M) from Case No. ER-2011-0004 is a regulatory liability. The balance due to customers, according to Empire's general ledger, is (\$340,587). Additionally, the Iatan Common O&M Tracker from Case No. ER-2011-0004, originally a regulatory asset recorded by Empire, will have over-recovered (\$351,463) from customers. The Iatan Common O&M Tracker (IatCom OM) was scheduled to be fully recovered in March 2016. The date in which the balance should be fully recovered conflicts with Empire's general ledger balance. Public

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Counsel may provide an update regarding this issue in later testimony once it is able to gather additional information from Empire.

- Q. IN CASE NO. ER-2012-0345, DID THE COMMISSION AUTHORIZE THE

 COMPANY TO CONTINUE THE IATAN 2, IATAN COMMON, AND PLUM POINT

 O&M TRACKERS?
- Yes. The Commission approved the Nonunanimous Stipulation and Agreement in Case
 No. ER-2012-0345 which stated:
 - i. Authorize the continuation of a tracker mechanism related to Plum Point and Iatan 2 and Iatan Common plant operating expenses. The tracker will exclude consumables and SO2 emission allowances which are recovered through the FAC. Empire shall record a regulatory asset or liability for the difference between the actual expense and annual costs of \$2,375,822, Missouri jurisdictional, for Plum Point. Empire shall record a regulatory asset or liability for the difference between the actual expense and annual costs of \$2,297,061, Missouri jurisdictional, for Iatan 2 and \$2,590,005, Missouri jurisdictional for Iatan Common plant.

Q. WHAT ARE THE BALANCES TO BE AMORTIZED RELATING TO THE IATAN 2, IATAN COMMON, AND PLUM POINT O&M TRACKERS AUTHORIZED CASE NO. ER-2012-0345?

1	A.	As of December 31, 2014, the balances to be amortized relating to the trackers
2		authorized in Case No. ER-2012-0345 are (\$277,098.07) for Plum Point, \$319,650.62
3		for Iatan 2, and \$269,124.05 for Iatan Common.
4		
5	Q.	WHAT IS PUBLIC COUNSEL'S RECOMMENDED RATEMAKING TREATMENT
6		FOR THE BALANCES RELATING TO THE TRACKERS AUTHORIZED IN CASE
7		NO. ER-2011-0004 AND CASE NO. ER-2012-0345?
8	A.	Public Counsel recommends combining the balances of the respective trackers into
9		single trackers for Iatan 2, Iatan Common, and Plum Point to make it easier and more
10		efficient to monitor all the trackers in three balances, rather than six. Public Counsel
11		further recommends the previous trend of amortizing the three trackers over 3 years.
12		
13	Q.	WHAT IS THE PROPOSED COMBINED PLUM POINT TRACKER
14		AMORTIZATION BALANCE?
15	A.	The total balance of the two trackers for Plum Point at July 2015, the month in which the
16		Operation of Law Date falls in this case, is (\$617,685). This total balance includes:
17		• the over-recovered tracker balance from Case No. ER-2011-0004 of (\$340,587);
18		and
19		• the over-recovered tracker balance from Case No. ER-2012-0345 of (\$277,098).

Please note that the tracker balance from Case No. ER-2012-0345 of (\$277,098) is as of December 31, 2014, and Public Counsel intends to update this amount through the Operation of Law Date as additional information is received from Empire.

Q. WHAT IS THE PROPOSED COMBINED IATAN 2 TRACKER AMORTIZAITON

BALANCE?

- A. The total balance of the two trackers for latan 2 at July 2015, the month in which the Operation of Law Date falls in this case, is \$559,477. This total balance includes:
 - the tracker balance from Case No. ER-2011-0004 of \$239,826; and
 - the tracker balance from Case No. ER-2012-0345 of \$319,651.

Please note that the tracker balance from Case No. ER-2012-0345 of \$319,651 is as of December 31, 2014, and Public Counsel intends to update this amount through the Operation of Law Date as additional information is received from Empire.

- Q. WHAT IS THE PROPOSED COMBINED IATAN COMMON TRACKER AMORTIZATION BALANCE?
- A. The total balance of the two trackers for Iatan Common at July 2015, the month in which the Operation of Law Date falls in this case, is (\$82,339). This total balance includes:
 - the over-recovered tracker balance from Case No. ER-2011-0004 of (\$351,463);
 and

• the tracker balance from Case No. ER-2012-0345 of \$269,124.

Please note that the tracker balance from Case No. ER-2012-0345 of \$269,124 is as of December 31, 2014, and Public Counsel intends to update this amount through the Operation of Law Date as additional information is received from Empire.

- Q. DOES PUBLIC COUNSEL BELIEVE IT IS REASONABLE TO CONTINUE THE IATAN 2, IATAN COMMON AND PLUM POINT O&M TRACKERS ON A GOING FORWARD BASIS IN THIS CASE?
- A. No. Public Counsel believes there is enough historical cost information now available to determine an annualized level of O&M expense.
- Q. WHY DOES PUBLIC COUNSEL BELIEVE THERE IS ENOUGH HISTORICAL COST INFORMATION?
- A. Empire began its tracking of costs for Iatan 2, Iatan Common, and Plum Point as authorized in Case No. ER-2011-0004 in June 2011. Thus, there are over 3 years of historical O&M cost data available with which to develop an annualized level of costs going forward. Public Counsel believes that the trackers have served their purpose and that the O&M costs going forward should be developed on a normal regulatory ratemaking basis of historical cost.

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Q. PLEASE EXPLAIN HOW THE PHASING OUT OF MISSOURI CORPORATE FRANCHISE TAX HAS OCCURRED.

A. According to Chapter 147 RSMO:

Corporations pay Franchise tax for doing business within the state. It is not a tax on franchisees. Franchise tax is based on the "par value of the corporation's outstanding shares and surplus". This is defined as the "total assets or the par value of issued and outstanding capital stock, whichever is greater". For capital stock with no par value, the value is \$5.00 per share or actual value, whichever is higher. The franchise tax basis (Schedule MO-FT, Line 6) is the basis of the assets as of the first day of the taxable year. For taxable years beginning on or after January 1, 2000, all domestic and foreign corporations under Chapter 351 or engaged in business must file the franchise tax return. However, only those corporations whose assets in or apportioned to Missouri that exceed one million dollars for taxable years 2000 through 2009 or \$10 million for taxable years 2010 through 2015, are liable to pay the tax. The due date of the franchise tax return is the 15th day of the fourth month from the beginning of the taxable period. The franchise tax rate is 1/30 of 1% (.000333) for tax years 2011 and prior; 1/37 of 1% (.000270) for tax year 2012; 1/50 of 1% (.000200) for tax year 2013; 1/75 of 1% (.000133) for tax year 2014; 1/150 of 1% (.000067) for tax year 2015; and 0% for tax year 2016 and thereafter.

- Q. WHAT WAS EMPIRE'S TAX YEAR 2014 CORPORATE FRANCHISE TAX LIABILITY?
- A. Empire's tax liability for tax year 2014 was \$227,446. This amount, per the Form MO-FT provided by Empire in response to OPC Data Request #1111, was based a on tax year 2014 rate of 1/75th of 1%.

requests and is able to review any additional information provided, I will, as appropriate,

provide Public Counsel's recommendation for Corporate Franchise Tax in later testimony.

Q. DOES THIS CONCLUDE YOUR DIRECT TESTIMONY?

A. Yes, it does.

CASE PARTICIPATION OF KERI ROTH

Company Name	Case No.
Empire District Electric Company	ER-2012-0345
Emerald Pointe Utility Company	SR-2013-0016
Lake Region Water & Sewer Company	WR-2013-0461
Summit Natural Gas of Missouri, Inc.	GR-2014-0086
Hickory Hills Water & Sewer Company, Inc.	WR-2014-0167/SR-2014-0166