

COMMONWEALTH OF KENTUCKY

BEFORE THE PUBLIC SERVICE COMMISSION OF KENTUCKY

In the Matter of:

ELECTRONIC EXAMINATION BY THE PUBLIC SERVICE COMMISSION OF THE ENVIRONMENTAL SURCHARGE MECHANISM OF BIG RIVERS ELECTRIC CORPORATION FOR THE SIX-MONTH BILLING PERIODS ENDING JANUARY 31, 2020, JULY 31, 2020, JANUARY 31, 2021, JANUARY 31, 2022, JULY 31, 2022, AND JANUARY 31, 2023, THE TWO-)))) Case No.) 2023-00373
JULY 31, 2022, AND JANUARY 31, 2023, THE TWO-	2023-00373
YEAR EXPENSE PERIODS ENDING JULY 31, 2021,)
AND JULY 31, 2023, AND THE PASS THROUGH)
MECHANISM OF ITS THREE MEMBER)
DISTRIBUTION COOPERATIVES)

Responses to Commission Staff's Initial Request for Information dated December 8, 2023 as Amended by the Commission's Order dated January 17, 2024

FILED: January 17, 2024

ELECTRONIC EXAMINATION BY THE PUBLIC SERVICE COMMISSION OF THE ENVIRONMENTAL SURCHARGE MECHANISM OF BIG RIVERS ELECTRIC CORPORATION FOR THE SIX-MONTH EXPENSE PERIODS ENDING JANUARY 31, 2020, JULY 31, 2020, JANUARY 31, 2021, JANUARY 31, 2022, JULY 31, 2022, AND JANUARY 31, 2023, THE TWO-YEAR EXPENSE PERIODS ENDING JULY 31, 2021, AND JULY 31, 2023, AND THE PASS THROUGH MECHANISM OF ITS THREE MEMBER DISTRIBUTION COOPERATIVES CASE NO. 2023-00373

VERIFICATION

I, Christopher A. Warren, verify, state, and affirm that the data request responses filed with this verification for which I am listed as a witness are true and accurate to the best of my knowledge, information, and belief formed after a reasonable inquiry.

Christopher A. Warren

COMMONWEALTH OF KENTUCKY) COUNTY OF DAVIESS)

SUBSCRIBED AND SWORN TO before me by Christopher A. Warren on this the III day of January, 2024.

Notary Public, Kentucky State at Large

Notary ID KYNPILS 4/1

My Commission Expires Ochbus 31, 2024

ELECTRONIC EXAMINATION BY THE PUBLIC SERVICE COMMISSION OF THE ENVIRONMENTAL SURCHARGE MECHANISM OF BIG RIVERS ELECTRIC CORPORATION FOR THE SIX-MONTH EXPENSE PERIODS ENDING JANUARY 31, 2020, JULY 31, 2020, JANUARY 31, 2021, JANUARY 31, 2022, JULY 31, 2022, AND JANUARY 31, 2023, THE TWO-YEAR EXPENSE PERIODS ENDING JULY 31, 2021, AND JULY 31, 2023, AND THE PASS THROUGH MECHANISM OF ITS THREE MEMBER DISTRIBUTION COOPERATIVES CASE NO. 2023-00373

VERIFICATION

I, Jeffrey S. Brown verify, state, and affirm that the data request responses filed with this verification for which I am listed as a witness are true and accurate to the best of my knowledge, information, and belief formed after a reasonable inquiry.

Jeffrey S. Brown

COMMONWEALTH OF KENTUCKY)
COUNTY OF DAVIESS)

SUBSCRIBED AND SWORN TO before me by Jeffrey S. Brown on this the day of January, 2024.

Notary Public, Kentucky State at Large

Notary ID

KYNP 43026

My Commission Expires

1-14-2026

ELECTRONIC EXAMINATION BY THE PUBLIC SERVICE COMMISSION OF THE ENVIRONMENTAL SURCHARGE MECHANISM OF BIG RIVERS ELECTRIC CORPORATION FOR THE SIX-MONTH BILLING PERIODS ENDING JANUARY 31, 2020, JULY 31, 2020, JANUARY 31, 2021, JANUARY 31, 2022, JULY 31, 2022, AND JANUARY 31, 2023, THE TWO-YEAR EXPENSE PERIODS ENDING JULY 31, 2021, AND JULY 31, 2023, AND THE PASS THROUGH MECHANISM OF ITS THREE MEMBER DISTRIBUTION COOPERATIVES CASE NO. 2023-00373

RESPONSE OF BIG RIVERS ELECTRIC CORPORATION TO COMMISSION STAFF'S FIRST REQUEST FOR INFORMATION DATED DECEMBER 8, 2023

January 17, 2024

Item 1) This request is addressed to BREC. Prepare a summary schedule showing the calculation of E(m) and the surcharge factor for the expense months covered by the billing periods under review. ES Form 1.10 can be used as a model for this summary. Include two expense months subsequent to the review period in order to show the over- and under-recovery adjustments for the months included for the billing periods. Include a calculation of any additional over- or under-recovery amount BREC believes needs to be recognized for the six-month and two-year reviews. Provide all supporting calculations and documentation in Excel spreadsheet format with formulas intact and unprotected and all rows and columns fully accessible.

Response) Please see the attached schedule, in the format of Form 1.10, covering each of the expense months from August 2019 through September 2023 (*i.e.*, the expense months covered by the billing periods under review plus the two expense

Case No. 2023-00373 Response to Staff Item 1 Witness: Christopher A. Warren Page 1 of 2

ELECTRONIC EXAMINATION BY THE PUBLIC SERVICE COMMISSION OF THE ENVIRONMENTAL SURCHARGE MECHANISM OF BIG RIVERS ELECTRIC CORPORATION FOR THE SIX-MONTH BILLING PERIODS ENDING JANUARY 31, 2020, JULY 31, 2020, JANUARY 31, 2021, JANUARY 31, 2022, JULY 31, 2022, AND JANUARY 31, 2023, THE TWO-YEAR EXPENSE PERIODS ENDING JULY 31, 2021, AND JULY 31, 2023, AND THE PASS THROUGH MECHANISM OF ITS THREE MEMBER DISTRIBUTION COOPERATIVES CASE NO. 2023-00373

RESPONSE OF BIG RIVERS ELECTRIC CORPORATION TO COMMISSION STAFF'S FIRST REQUEST FOR INFORMATION DATED DECEMBER 8, 2023

January 17, 2024

months subsequent to the billing period). The schedule and all supporting calculations and documentation are also provided in Excel spreadsheet format, with formulas intact and unprotected and all rows and columns fully accessible, in a separate Excel file as part of the electronic filing.

No additional over-or under-recovery is being requested by Big Rivers for the billing periods under review.

Witness: Christopher A. Warren

Calculation of Total E(m) and Calculation of Jurisdictional Environmental Surcharge Billing Factor

1 2 3	Calculation of Total E(m) E(m) = OE - BAS + RORB, where OE = Pollution Control Operating Expenses					
4	BAS = Total Proceeds from By-Product and Allowance Sales					
5	$RORB = [(RB/12) \times (RORORB)]$					
6	[(, , (,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			August 2019		September 2019
7	OE	=	\$		= {	\$ 1,825,884
8	BAS	=	\$,,	= {	
9	RORB	=	\$	136,100 =	= {	
10	E(m)	=	\$,	= {	1,962,369
11			-	, , , , , , , , , , , , , , , , , , , ,		, , , , , , , , , ,
12	Calculation of Jurisdictional Environmental Surcharge Billing	Fac	etor	•		
13	Member System Allocation Ratio for the Month (Form 3.00)	=		72.831903%	=	71.513868%
14	Subtotal E(m) = Subtotal E(m) x Member System Allocation Ratio	=	\$	1,435,770	= {	\$ 1,403,366
15	Adjustment for (Over)/Under Recovery, as applicable (Form 2.00)	=	\$	(150,674) =	= {	(175,644)
16	Prior Period Adjustment	=	\$		= {	В -
17	E(m) = Subtotal E(m) plus (Over)/Under Recovery plus Prior Period Adjustment	=	\$	1,285,096	= {	1,227,722
1.0	R(m) = Average Monthly Member System Revenue for the 12 Months Ending with		•	, ,		, ,
18	the Current Expense Month (Form 3.00)	=	\$	19,607,206	= {	\$ 19,671,159
19	CESF: E(m) / R(m); as a % of Revenue	=	,	6.554203%	=	6.241229%
20						
21	Calculation of Total E(m)					
22	E(m) = OE - BAS + RORB, where					
23	OE = Pollution Control Operating Expenses					
$\frac{26}{24}$	BAS = Total Proceeds from By-Product and Allowance Sales					
25	RORB = [(RB/12) x (RORORB)]					
26				October 2019		November 2019
27	OE	=	\$		= {	
28	BAS	=	\$, ,	- , - ;	. , ,
29	RORB	=	\$			136,039
30	E(m)	=	φ	,	- , =	,
31	E(III)		Ψ	1,000,400	•	1,047,000
$\frac{31}{32}$	Calculation of Jurisdictional Environmental Surcharge Billing	Fac	etor	•		
33	Member System Allocation Ratio for the Month (Form 3.00)	=		72.152356%	=	70.148109%
34	Subtotal E(m) = Subtotal E(m) x Member System Allocation Ratio	=	\$	1,160,527	= {	1,295,636
35	Adjustment for (Over)/Under Recovery, as applicable (Form 2.00)	=	\$	(84,214)	= {	86,162
36	Prior Period Adjustment	=	\$	` - :	= {	В -
37	E(m) = Subtotal E(m) plus (Over)/Under Recovery plus Prior Period Adjustment	=	\$	1,076,313	= {	1,381,798
38	R(m) = Average Monthly Member System Revenue for the 12 Months Ending with		·		`	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
	the Current Expense Month (Form 3.00)	=	\$	- / /	= {	- , ,
39	CESF: E(m) / R(m); as a % of Revenue	=		5.475009%	=	7.015561%

Calculation of Total E(m) and Calculation of Jurisdictional Environmental Surcharge Billing Factor

1	Calculation of Total E(m)						
2	E(m) =OE - BAS + RORB, where						
3	OE = Pollution Control Operating Expenses						
	BAS = Total Proceeds from By-Product and Allowance Sales						
4							
5	$RORB = [(RB/12) \times (RORORB)]$			D			T 0000
6	O.P.			December 2019		Ф	January 2020
7	OE	=	\$	-,,	=	\$	1,001,873
8	BAS	=	\$		=	\$	-
9	RORB	=	\$,	=	\$	134,569
10	E(m)	=	\$	1,228,938	=	\$	1,136,442
11		_					
12	Calculation of Jurisdictional Environmental Surcharge Billing	Fac	eto				
13	Member System Allocation Ratio for the Month (Form 3.00)	=		75.612047%	=		76.241049%
14	Subtotal E(m) = Subtotal E(m) x Member System Allocation Ratio	=	\$	929,225	=	\$	866,435
15	Adjustment for (Over)/Under Recovery, as applicable (Form 2.00)	=	\$	(38,119)	=	\$	(34,218)
16	Prior Period Adjustment	=	\$	-	=	\$	-
17	E(m) = Subtotal E(m) plus (Over)/Under Recovery plus Prior Period Adjustment	=	\$	891,106	=	\$	832,217
10	R(m) = Average Monthly Member System Revenue for the 12 Months Ending with						
18	the Current Expense Month (Form 3.00)	=	\$	19,718,419	=	\$	19,521,687
19	CESF: E(m) / R(m); as a % of Revenue	=	•	4.519155%	=	·	4.263038%
20							-
21	Calculation of Total E(m)						
22	E(m) =OE - BAS + RORB, where						
23	OE = Pollution Control Operating Expenses						
$\frac{1}{24}$	BAS = Total Proceeds from By-Product and Allowance Sales						
25	RORB = $[(RB/12) \times (RORORB)]$						
$\frac{26}{26}$				February 2020			March 2020
$\frac{27}{27}$	OE	=	\$		=	\$	1,048,130
28	BAS	=	\$		=	\$	22,131
29	RORB	=	\$,	=	\$	134,068
30	E(m)	=	\$	· ·	=	\$	1,160,067
31	E(m)		Ψ	1,122,000		Ψ	1,100,007
32	Calculation of Jurisdictional Environmental Surcharge Billing	Fac	eto	r			
$\frac{32}{33}$	Calculation of Jurisdictional Environmental Surcharge Billing Member System Allocation Ratio for the Month (Form 3.00)	Fac =	eto	75.440287%	=		81.551360%
	Member System Allocation Ratio for the Month (Form 3.00)		**************************************	75.440287%	=	\$	81.551360% 946,050
33	Member System Allocation Ratio for the Month (Form 3.00) Subtotal E(m) = Subtotal E(m) x Member System Allocation Ratio	=		75.440287% 1,073,144	=	\$	
$\frac{33}{34}$	Member System Allocation Ratio for the Month (Form 3.00) Subtotal E(m) = Subtotal E(m) x Member System Allocation Ratio Adjustment for (Over)/Under Recovery, as applicable (Form 2.00)	=	\$	75.440287%	=		946,050
33 34 35	Member System Allocation Ratio for the Month (Form 3.00) Subtotal E(m) = Subtotal E(m) x Member System Allocation Ratio Adjustment for (Over)/Under Recovery, as applicable (Form 2.00) Prior Period Adjustment	= =	\$ \$	75.440287% 1,073,144 (22,205)	= =	\$	946,050 (7,417)
33 34 35 36 37	Member System Allocation Ratio for the Month (Form 3.00) Subtotal E(m) = Subtotal E(m) x Member System Allocation Ratio Adjustment for (Over)/Under Recovery, as applicable (Form 2.00) Prior Period Adjustment E(m) = Subtotal E(m) plus (Over)/Under Recovery plus Prior Period Adjustment	= = =	\$ \$ \$	75.440287% 1,073,144 (22,205)	= = =	\$ \$	946,050 (7,417)
33 34 35 36	Member System Allocation Ratio for the Month (Form 3.00) Subtotal E(m) = Subtotal E(m) x Member System Allocation Ratio Adjustment for (Over)/Under Recovery, as applicable (Form 2.00) Prior Period Adjustment E(m) = Subtotal E(m) plus (Over)/Under Recovery plus Prior Period Adjustment R(m) = Average Monthly Member System Revenue for the 12 Months Ending with	= = = =	\$ \$ \$	75.440287% 1,073,144 (22,205) - 1,050,939	= = = =	\$ \$ \$	946,050 (7,417) - 938,633
33 34 35 36 37	Member System Allocation Ratio for the Month (Form 3.00) Subtotal E(m) = Subtotal E(m) x Member System Allocation Ratio Adjustment for (Over)/Under Recovery, as applicable (Form 2.00) Prior Period Adjustment E(m) = Subtotal E(m) plus (Over)/Under Recovery plus Prior Period Adjustment	= = =	\$ \$ \$	75.440287% 1,073,144 (22,205) - 1,050,939 19,613,077	= = = =	\$ \$	946,050 (7,417)

Calculation of Total E(m) and Calculation of Jurisdictional Environmental Surcharge Billing Factor

For the Expense Months: August 2019 to September 2023

1	Calculation of Total E(m)					
$\frac{1}{2}$	E(m) = OE - BAS + RORB, where					
3	OE = Pollution Control Operating Expenses					
	BAS = Total Proceeds from By-Product and Allowance Sales					
4						
5	$RORB = [(RB/12) \times (RORORB)]$			A:1 2020		M 2020
6	OE	=	Ф	April 2020	Ф	May 2020
7		=	\$	784,015 =	*	840,050
8	BAS		\$	24,011 =	-	29,355
9	RORB	=	\$ \$	133,566 = 893 570 =	*	131,664
10	E(m)		Ф	893,570 =	ф	942,359
11	Coloniation of Lorialistic and Emiliary and all Complete and Dilliary	T7				
12	Calculation of Jurisdictional Environmental Surcharge Billing	rac	tor			= 0.=000000/
13	Member System Allocation Ratio for the Month (Form 3.00)	=		78.469318% =		76.799832%
14	Subtotal E(m) = Subtotal E(m) x Member System Allocation Ratio	=	\$	701,178 =		723,730
15	Adjustment for (Over)/Under Recovery, as applicable (Form 2.00)	=	\$	175,508 =	*	247,341
16	Prior Period Adjustment	=	\$	- =	Ψ	· - · - ·
17	E(m) = Subtotal E(m) plus (Over)/Under Recovery plus Prior Period Adjustment	=	\$	876,686 =	\$	971,071
18	R(m) = Average Monthly Member System Revenue for the 12 Months Ending with					
10	the Current Expense Month (Form 3.00)	=	\$	19,216,122 =	4	18,994,955
19	CESF: E(m) / R(m); as a % of Revenue	=		4.562242% =		5.112257%
$\Omega \Lambda$						
20						
$\frac{20}{21}$	Calculation of Total E(m)					
	Calculation of Total E(m) E(m) = OE - BAS + RORB, where					
21						
$\begin{array}{c} 21 \\ 22 \end{array}$	E(m) = OE - BAS + RORB, where					
21 22 23	E(m) = OE - BAS + RORB, where OE = Pollution Control Operating Expenses					
21 22 23 24	E(m) =OE - BAS + RORB, where OE = Pollution Control Operating Expenses BAS = Total Proceeds from By-Product and Allowance Sales			June 2020		July 2020
21 22 23 24 25	E(m) =OE - BAS + RORB, where OE = Pollution Control Operating Expenses BAS = Total Proceeds from By-Product and Allowance Sales	=	\$	June 2020	\$	July 2020 2,306,421
21 22 23 24 25 26	E(m) =OE - BAS + RORB, where OE = Pollution Control Operating Expenses BAS = Total Proceeds from By-Product and Allowance Sales RORB = [(RB/12) x (RORORB)]	= =	\$			2,306,421
21 22 23 24 25 26 27	E(m) =OE - BAS + RORB, where OE = Pollution Control Operating Expenses BAS = Total Proceeds from By-Product and Allowance Sales RORB = [(RB/12) x (RORORB)] OE			1,820,154 =	\$	
21 22 23 24 25 26 27 28	E(m) =OE - BAS + RORB, where OE = Pollution Control Operating Expenses BAS = Total Proceeds from By-Product and Allowance Sales RORB = [(RB/12) x (RORORB)] OE BAS RORB	=	\$	1,820,154 = 45,583 =	\$ \$	2,306,421 23,853
21 22 23 24 25 26 27 28 29	E(m) =OE - BAS + RORB, where OE = Pollution Control Operating Expenses BAS = Total Proceeds from By-Product and Allowance Sales RORB = [(RB/12) x (RORORB)] OE BAS	=	\$	$ \begin{array}{r} 1,820,154 &= \\ 45,583 &= \\ 133,564 &= \end{array} $	\$ \$	2,306,421 23,853 124,428
21 22 23 24 25 26 27 28 29 30	E(m) =OE - BAS + RORB, where OE = Pollution Control Operating Expenses BAS = Total Proceeds from By-Product and Allowance Sales RORB = [(RB/12) x (RORORB)] OE BAS RORB E(m)	= =	\$ \$ \$	$ \begin{array}{r} 1,820,154 &= \\ 45,583 &= \\ 133,564 &= \\ 1,908,135 &= \\ \end{array} $	\$ \$	2,306,421 23,853 124,428
21 22 23 24 25 26 27 28 29 30 31 32	E(m) =OE - BAS + RORB, where OE = Pollution Control Operating Expenses BAS = Total Proceeds from By-Product and Allowance Sales RORB = [(RB/12) x (RORORB)] OE BAS RORB E(m) Calculation of Jurisdictional Environmental Surcharge Billing	= =	\$ \$ \$	$ \begin{array}{r} 1,820,154 &= \\ 45,583 &= \\ 133,564 &= \\ 1,908,135 &= \\ \end{array} $	\$ \$ \$	2,306,421 23,853 124,428 2,406,996
21 22 23 24 25 26 27 28 29 30 31	E(m) =OE - BAS + RORB, where OE = Pollution Control Operating Expenses BAS = Total Proceeds from By-Product and Allowance Sales RORB = [(RB/12) x (RORORB)] OE BAS RORB E(m) Calculation of Jurisdictional Environmental Surcharge Billing Member System Allocation Ratio for the Month (Form 3.00)	= = = Fac	\$ \$ \$ etor	1,820,154 = 45,583 = 133,564 = 1,908,135 = 68.035321% =	\$ \$ \$	2,306,421 23,853 124,428 2,406,996
21 22 23 24 25 26 27 28 29 30 31 32 33	E(m) =OE - BAS + RORB, where OE = Pollution Control Operating Expenses BAS = Total Proceeds from By-Product and Allowance Sales RORB = [(RB/12) x (RORORB)] OE BAS RORB E(m) Calculation of Jurisdictional Environmental Surcharge Billing Member System Allocation Ratio for the Month (Form 3.00) Subtotal E(m) = Subtotal E(m) x Member System Allocation Ratio	= = = <u>Fac</u> =	\$ \$ \$	1,820,154 = 45,583 = 133,564 = 1,908,135 = 68.035321% = 1,298,206 =	\$ \$ \$	2,306,421 23,853 124,428 2,406,996 65.588768% 1,578,719
21 22 23 24 25 26 27 28 29 30 31 32 33 34	E(m) =OE - BAS + RORB, where OE = Pollution Control Operating Expenses BAS = Total Proceeds from By-Product and Allowance Sales RORB = [(RB/12) x (RORORB)] OE BAS RORB E(m) Calculation of Jurisdictional Environmental Surcharge Billing Member System Allocation Ratio for the Month (Form 3.00) Subtotal E(m) = Subtotal E(m) x Member System Allocation Ratio Adjustment for (Over)/Under Recovery, as applicable (Form 2.00)	= = = Fac = =	\$ \$ \$ etor	1,820,154 = 45,583 = 133,564 = 1,908,135 = 68.035321% = 1,298,206 =	\$ \$ \$	2,306,421 23,853 124,428 2,406,996
21 22 23 24 25 26 27 28 29 30 31 32 33 34 35	E(m) =OE - BAS + RORB, where OE = Pollution Control Operating Expenses BAS = Total Proceeds from By-Product and Allowance Sales RORB = [(RB/12) x (RORORB)] OE BAS RORB E(m) Calculation of Jurisdictional Environmental Surcharge Billing Member System Allocation Ratio for the Month (Form 3.00) Subtotal E(m) = Subtotal E(m) x Member System Allocation Ratio Adjustment for (Over)/Under Recovery, as applicable (Form 2.00) Prior Period Adjustment	= = = = Fac = = =	\$ \$ \$ etor \$	1,820,154 = 45,583 = 133,564 = 1,908,135 = 68.035321% = 1,298,206 = 167,808 = - = -	\$ \$ \$ \$ \$ \$ \$ \$	2,306,421 23,853 124,428 2,406,996 65.588768% 1,578,719 6,332
21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37	E(m) =OE - BAS + RORB, where OE = Pollution Control Operating Expenses BAS = Total Proceeds from By-Product and Allowance Sales RORB = [(RB/12) x (RORORB)] OE BAS RORB E(m) Calculation of Jurisdictional Environmental Surcharge Billing Member System Allocation Ratio for the Month (Form 3.00) Subtotal E(m) = Subtotal E(m) x Member System Allocation Ratio Adjustment for (Over)/Under Recovery, as applicable (Form 2.00) Prior Period Adjustment E(m) = Subtotal E(m) plus (Over)/Under Recovery plus Prior Period Adjustment	= = = = = = = =	\$ \$ \$ etor \$ \$ \$	1,820,154 = 45,583 = 133,564 = 1,908,135 = 68.035321% = 1,298,206 = 167,808 =	· • • • • • • • • • • • • • • • • • • •	2,306,421 23,853 124,428 2,406,996 65.588768% 1,578,719
21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36	E(m) =OE - BAS + RORB, where OE = Pollution Control Operating Expenses BAS = Total Proceeds from By-Product and Allowance Sales RORB = [(RB/12) x (RORORB)] OE BAS RORB E(m) Calculation of Jurisdictional Environmental Surcharge Billing Member System Allocation Ratio for the Month (Form 3.00) Subtotal E(m) = Subtotal E(m) x Member System Allocation Ratio Adjustment for (Over)/Under Recovery, as applicable (Form 2.00) Prior Period Adjustment E(m) = Subtotal E(m) plus (Over)/Under Recovery plus Prior Period Adjustment R(m) = Average Monthly Member System Revenue for the 12 Months Ending with	= = = = = = = =	\$ \$ \$ ** ** ** ** ** ** **	1,820,154 = 45,583 = 133,564 = 1,908,135 = 1,298,206 = 167,808 = 1,466,014 = 1	\$ \$ \$ \$ \$ \$ \$ \$	2,306,421 23,853 124,428 2,406,996 65.588768% 1,578,719 6,332 1,585,051
21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37	E(m) =OE - BAS + RORB, where OE = Pollution Control Operating Expenses BAS = Total Proceeds from By-Product and Allowance Sales RORB = [(RB/12) x (RORORB)] OE BAS RORB E(m) Calculation of Jurisdictional Environmental Surcharge Billing Member System Allocation Ratio for the Month (Form 3.00) Subtotal E(m) = Subtotal E(m) x Member System Allocation Ratio Adjustment for (Over)/Under Recovery, as applicable (Form 2.00) Prior Period Adjustment E(m) = Subtotal E(m) plus (Over)/Under Recovery plus Prior Period Adjustment	= = = = = = = = =	\$ \$ \$ etor \$ \$ \$	1,820,154 = 45,583 = 133,564 = 1,908,135 = 68.035321% = 1,298,206 = 167,808 = - = -	* * * * * * * * * * * * * * * * * * *	2,306,421 23,853 124,428 2,406,996 65.588768% 1,578,719 6,332

Case No. 2023-00373

Calculation of Total E(m) and Calculation of Jurisdictional Environmental Surcharge Billing Factor

1	Calculation of Total E(m)						1
2	E(m) =OE - BAS + RORB, where						
3	OE = Pollution Control Operating Expenses						
	BAS = Total Proceeds from By-Product and Allowance Sales						
4							
5	$RORB = [(RB/12) \times (RORORB)]$			A 4 0000		6	
6	O.D.		Ф	August 2020			eptember 2020
7	OE	=	\$	2,274,611	=	\$	1,093,571
8	BAS	=	\$	18,982	=	\$	24,011
9	RORB	=	\$	119,925	=	\$	119,837
10	E(m)		\$	2,375,554	=	\$	1,189,397
11		_					
12	Calculation of Jurisdictional Environmental Surcharge Billing	Fac	toı				
13	Member System Allocation Ratio for the Month (Form 3.00)	=		65.492609%	=		71.033839%
14	Subtotal E(m) = Subtotal E(m) x Member System Allocation Ratio	=	\$	1,555,812	=	\$	844,874
15	Adjustment for (Over)/Under Recovery, as applicable (Form 2.00)	=	\$	(154, 131)	=	\$	(103,267)
16	Prior Period Adjustment	=	\$	-	=	\$	-
17	E(m) = Subtotal E(m) plus (Over)/Under Recovery plus Prior Period Adjustment	=	\$	1,401,681	=	\$	741,607
•	R(m) = Average Monthly Member System Revenue for the 12 Months Ending with						,
18	the Current Expense Month (Form 3.00)	=	\$	18,809,058	=	\$	18,538,717
19	CESF: E(m) / R(m); as a % of Revenue	=	,	7.452159%	=	,	4.000315%
20							
21	Calculation of Total E(m)						
22	E(m) =OE - BAS + RORB, where						
23	OE = Pollution Control Operating Expenses						
$\frac{23}{24}$	BAS = Total Proceeds from By-Product and Allowance Sales						
25	RORB = [(RB/12) x (RORORB)]						
$\frac{26}{26}$				October 2020		1	November 2020
$\frac{20}{27}$	OE	=	\$	1,557,024	=	\$	1,302,256
28	BAS	=	φ \$	21,567	=	Ф \$	39,571
$\frac{20}{29}$	RORB	=	*	119.923	=	Ф \$	120,660
29 30	E(m)	=	\$ \$	1,655,380	=	Ф \$	1,383,345
31	E(III)		Φ	1,000,000	_	Φ	1,363,349
	C. I. I. C.	T-3	,				
32	Calculation of Jurisdictional Environmental Surcharge Billing		etoi				
33	Member System Allocation Ratio for the Month (Form 3.00)	=		60.061660%			67.900405%
34	Subtotal E(m) = Subtotal E(m) x Member System Allocation Ratio	=	\$	994,249	=	\$	939,297
35	Adjustment for (Over)/Under Recovery, as applicable (Form 2.00)	=	\$	86,525	=	\$	163,129
36	Prior Period Adjustment	=	\$	-	=	\$	-
37	E(m) = Subtotal E(m) plus (Over)/Under Recovery plus Prior Period Adjustment	=	\$	1,080,774	=	\$	1,102,426
38	R(m) = Average Monthly Member System Revenue for the 12 Months Ending with						
99	the Current Expense Month (Form 3.00)	=	\$	18,219,565	=	\$	17,879,239
39	CESF: E(m) / R(m); as a % of Revenue	=		5.931942%	=		6.165956%
00373	·						

Calculation of Total E(m) and Calculation of Jurisdictional Environmental Surcharge Billing Factor

For the Expense Months: August 2019 to September 2023

1 Calculation of Total E(m)					
$\begin{array}{ccc} & & & & & & & & & & & \\ & & & & & & & $					
3 OE = Pollution Control Operating Expenses					
BAS = Total Proceeds from By-Product and Allowance Sales					
$5 \qquad \qquad \text{RORB} \qquad = \left[\text{(RB/12)} \times \text{(RORORB)} \right]$					
6		Ι	December 2020		January 2021
7 OE	=	\$	1,930,492 =	\$	1,364,756
8 BAS	=	\$	35,281 =	\$	18,010
9 RORB	=	\$	146,686 =	\$	191,670
10 E(m)	=	\$	2,041,897 =	\$	1,538,416
11					
12 Calculation of Jurisdictional Environmental Surcharge Billing F	Fac	tor	•		
13 Member System Allocation Ratio for the Month (Form 3.00)	=		70.122167% =		72.082967%
14 Subtotal E(m) = Subtotal E(m) x Member System Allocation Ratio	=	\$	1,431,822 =	\$	1,108,936
15 Adjustment for (Over)/Under Recovery, as applicable (Form 2.00)	=	\$	115,589 =	\$	(91,934)
16 Prior Period Adjustment	=	\$	- =	\$	-
17 E(m) = Subtotal E(m) plus (Over)/Under Recovery plus Prior Period Adjustment	=	\$	1,547,411 =	\$	1,017,002
R(m) = Average Monthly Member System Revenue for the 12 Months Ending with		·	, ,		, ,
the Current Expense Month (Form 3.00)	=	\$	17,811,432 =	\$	17,767,366
19 CESF: E(m) / R(m); as a % of Revenue	=	·	8.687741% =		5.723989%
20					
20 21 Calculation of Total E(m)					
21 Calculation of Total E(m)					
Calculation of Total E(m) E(m) = OE - BAS + RORB, where					
Calculation of Total E(m) E(m) = OE - BAS + RORB, where OE = Pollution Control Operating Expenses					
Calculation of Total E(m) E(m) = OE - BAS + RORB, where OE = Pollution Control Operating Expenses BAS = Total Proceeds from By-Product and Allowance Sales					
Calculation of Total E(m) E(m) = OE - BAS + RORB, where OE = Pollution Control Operating Expenses BAS = Total Proceeds from By-Product and Allowance Sales]	February 2021		March 2021
Calculation of Total E(m) E(m) = OE - BAS + RORB, where OE = Pollution Control Operating Expenses BAS = Total Proceeds from By-Product and Allowance Sales RORB = [(RB/12) x (RORORB)]	=]	February 2021 2.249.948 =	\$	
Calculation of Total E(m) E(m) = OE - BAS + RORB, where OE = Pollution Control Operating Expenses BAS = Total Proceeds from By-Product and Allowance Sales RORB = [(RB/12) x (RORORB)] OE	= =		2,249,948 =		1,282,709
Calculation of Total E(m) E(m) = OE - BAS + RORB, where OE = Pollution Control Operating Expenses BAS = Total Proceeds from By-Product and Allowance Sales RORB = [(RB/12) x (RORORB)] OE BAS		\$	2,249,948 = 35,592 =	\$	1,282,709 51,734
Calculation of Total E(m) E(m) = OE - BAS + RORB, where OE = Pollution Control Operating Expenses BAS = Total Proceeds from By-Product and Allowance Sales RORB = [(RB/12) x (RORORB)] OE BAS RORB RORB	=	\$	2,249,948 = 35,592 = 196,784 =	\$	1,282,709 51,734 207,885
Calculation of Total E(m)	= =	\$	2,249,948 = 35,592 =	\$	1,282,709 51,734
Calculation of Total E(m)	= = =	\$ \$ \$ \$	$ \begin{array}{rcl} 2,249,948 &=& \\ 35,592 &=& \\ 196,784 &=& \\ 2,411,140 &=& \\ \end{array} $	\$	1,282,709 51,734 207,885
Calculation of Total E(m) E(m) = OE - BAS + RORB, where OE = Pollution Control Operating Expenses BAS = Total Proceeds from By-Product and Allowance Sales RORB = [(RB/12) x (RORORB)] OE BAS BAS RORB BAS PORB E(m) Calculation of Jurisdictional Environmental Surcharge Billing F	= = =	\$ \$ \$ \$	$ \begin{array}{rcl} 2,249,948 &=& \\ 35,592 &=& \\ 196,784 &=& \\ 2,411,140 &=& \\ \end{array} $	\$	1,282,709 51,734 207,885 1,438,860
Calculation of Total E(m) E(m) = OE - BAS + RORB, where OE = Pollution Control Operating Expenses BAS = Total Proceeds from By-Product and Allowance Sales RORB = [(RB/12) x (RORORB)] OE BAS BAS RORB BAS RORB E(m) Calculation of Jurisdictional Environmental Surcharge Billing F Member System Allocation Ratio for the Month (Form 3.00)	= = = Fac	\$ \$ \$ \$	$ \begin{array}{rcl} 2,249,948 &=& \\ 35,592 &=& \\ 196,784 &=& \\ 2,411,140 &=& \\ \end{array} $	\$ \$ \$	1,282,709 51,734 207,885
Calculation of Total E(m) E(m) = OE - BAS + RORB, where OE = Pollution Control Operating Expenses BAS = Total Proceeds from By-Product and Allowance Sales RORB = [(RB/12) x (RORORB)] OE BAS RORB BAS RORB E(m) Calculation of Jurisdictional Environmental Surcharge Billing F Member System Allocation Ratio for the Month (Form 3.00) Subtotal E(m) = Subtotal E(m) x Member System Allocation Ratio	= = = Fac	\$ \$ \$ tor	$\begin{array}{rcl} 2,249,948 &=& \\ 35,592 &=& \\ 196,784 &=& \\ 2,411,140 &=& \\ && \\ 71.189848\% &=& \\ \end{array}$	\$ \$ \$	1,282,709 51,734 207,885 1,438,860 70.186978% 1,009,892
Calculation of Total E(m) E(m) = OE - BAS + RORB, where OE = Pollution Control Operating Expenses BAS = Total Proceeds from By-Product and Allowance Sales RORB = [(RB/12) x (RORORB)] OE BAS RORB BAS RORB E(m) Calculation of Jurisdictional Environmental Surcharge Billing F Member System Allocation Ratio for the Month (Form 3.00) Subtotal E(m) = Subtotal E(m) x Member System Allocation Ratio Adjustment for (Over)/Under Recovery, as applicable (Form 2.00)	= = = = Fac = =	\$ \$ \$ tor	$\begin{array}{rcl} 2,249,948 &=& \\ 35,592 &=& \\ 196,784 &=& \\ 2,411,140 &=& \\ &&& \\ 71.189848\% &=& \\ 1,716,487 &=& \\ \end{array}$	\$ \$ \$	1,282,709 51,734 207,885 1,438,860 70.186978%
Calculation of Total E(m) E(m) = OE - BAS + RORB, where OE = Pollution Control Operating Expenses BAS = Total Proceeds from By-Product and Allowance Sales RORB = [(RB/12) x (RORORB)] OE BAS BAS RORB E(m) Calculation of Jurisdictional Environmental Surcharge Billing F Member System Allocation Ratio for the Month (Form 3.00) Subtotal E(m) = Subtotal E(m) x Member System Allocation Ratio Adjustment for (Over)/Under Recovery, as applicable (Form 2.00)	= = = = Fac = = =	\$ \$ \$ tor \$	$\begin{array}{r} 2,249,948 &= \\ 35,592 &= \\ 196,784 &= \\ 2,411,140 &= \\ \end{array}$ $\begin{array}{r} 71.189848\% &= \\ 1,716,487 &= \\ (162,421) &= \\ &= \\ \end{array}$	\$ \$ \$ \$	1,282,709 51,734 207,885 1,438,860 70.186978% 1,009,892
Calculation of Total E(m) E(m) = OE - BAS + RORB, where OE = Pollution Control Operating Expenses BAS = Total Proceeds from By-Product and Allowance Sales RORB = [(RB/12) x (RORORB)] OE BAS RORB BAS RORB E(m) Calculation of Jurisdictional Environmental Surcharge Billing F Member System Allocation Ratio for the Month (Form 3.00) Subtotal E(m) = Subtotal E(m) x Member System Allocation Ratio Adjustment for (Over)/Under Recovery, as applicable (Form 2.00) Prior Period Adjustment E(m) = Subtotal E(m) plus (Over)/Under Recovery plus Prior Period Adjustment E(m) = Average Monthly Member System Revenue for the 12 Months Ending with	= = = = = = = =	\$ \$ \$ \$ tor \$ \$ \$	$\begin{array}{r} 2,249,948 &= \\ 35,592 &= \\ 196,784 &= \\ 2,411,140 &= \\ \end{array}$ $\begin{array}{r} 71.189848\% &= \\ 1,716,487 &= \\ (162,421) &= \\ \end{array}$	\$ \$ \$ \$ \$ \$ \$	1,282,709 51,734 207,885 1,438,860 70.186978% 1,009,892 (189,196)
Calculation of Total E(m) E(m) = OE - BAS + RORB, where OE = Pollution Control Operating Expenses BAS = Total Proceeds from By-Product and Allowance Sales RORB = [(RB/12) x (RORORB)] OE BAS RORB E(m) Calculation of Jurisdictional Environmental Surcharge Billing F Member System Allocation Ratio for the Month (Form 3.00) Subtotal E(m) = Subtotal E(m) x Member System Allocation Ratio Adjustment for (Over)/Under Recovery, as applicable (Form 2.00) Prior Period Adjustment E(m) = Subtotal E(m) plus (Over)/Under Recovery plus Prior Period Adjustment R(m) = Average Monthly Member System Revenue for the 12 Months Ending with	= = = = = = = = =	\$ \$ \$ \$ tor \$ \$ \$ \$	$\begin{array}{rcl} 2,249,948 &=& \\ 35,592 &=& \\ 196,784 &=& \\ 2,411,140 &=& \\ \\ \hline 71.189848\% &=& \\ 1,716,487 &=& \\ (162,421) &=& \\ &&&& \\ 1,554,066 &=& \\ \end{array}$	\$ \$ \$ \$ \$ \$ \$ \$	1,282,709 51,734 207,885 1,438,860 70.186978% 1,009,892 (189,196) - 820,696
Calculation of Total E(m) E(m) = OE - BAS + RORB, where OE = Pollution Control Operating Expenses BAS = Total Proceeds from By-Product and Allowance Sales RORB = [(RB/12) x (RORORB)] OE BAS RORB BAS RORB E(m) Calculation of Jurisdictional Environmental Surcharge Billing F Member System Allocation Ratio for the Month (Form 3.00) Subtotal E(m) = Subtotal E(m) x Member System Allocation Ratio Adjustment for (Over)/Under Recovery, as applicable (Form 2.00) Prior Period Adjustment E(m) = Subtotal E(m) plus (Over)/Under Recovery plus Prior Period Adjustment E(m) = Average Monthly Member System Revenue for the 12 Months Ending with	= = = = = = = =	\$ \$ \$ \$ tor \$ \$ \$	2,249,948 = 35,592 = 196,784 = 2,411,140 = 71.189848% = 1,716,487 = (162,421) = 1,554,066 =	\$ \$ \$ \$ \$ \$ \$ \$	1,282,709 51,734 207,885 1,438,860 70.186978% 1,009,892 (189,196)

Attachment for Response to Staff Item 1 Witness: Christopher A. Warren Page 5 of 13

Calculation of Total E(m) and Calculation of Jurisdictional Environmental Surcharge Billing Factor

For the Expense Months: August 2019 to September 2023

1	Calculation of Total E(m)						
$\frac{1}{2}$	E(m) =OE - BAS + RORB, where						
3	OE = Pollution Control Operating Expenses						
	BAS = Total Proceeds from By-Product and Allowance Sales						
4							
5	$RORB = [(RB/12) \times (RORORB)]$			A		М	9091
6	O.D.		ф	April 2021			2021
7	OE	=	\$,,	= {	•	2,830,772
8	BAS	=	\$. ,		\$	61,100
9	RORB	=	\$,		\$	255,898
10	E(m)	=	\$	2,538,764	= {	\$	3,025,570
11		_					
12	Calculation of Jurisdictional Environmental Surcharge Billing	Fac	tor				
13	Member System Allocation Ratio for the Month (Form 3.00)	=		53.858649%	=		55.036345%
14	Subtotal E(m) = Subtotal E(m) x Member System Allocation Ratio	=	\$	1,367,344	= {	\$	1,665,163
15	Adjustment for (Over)/Under Recovery, as applicable (Form 2.00)	=	\$	277,219	= {	\$	129,045
16	Prior Period Adjustment	=	\$	· - :	= {	\$	· -
17	E(m) = Subtotal E(m) plus (Over)/Under Recovery plus Prior Period Adjustment	=	\$	1,644,563	= 8	\$	1,794,208
	R(m) = Average Monthly Member System Revenue for the 12 Months Ending with		,	,- ,	,	•	,,
18	the Current Expense Month (Form 3.00)	=	\$	17,805,138	= {	\$	16,163,236
19	CESF: E(m) / R(m); as a % of Revenue	=	Ψ	9.236452%		T	11.100549%
20	CHOI. E(III) / IV(III), as a 70 of Nevertae			0.20010270			11.10001070
	Calculation of Total F(m)						
21	Calculation of Total E(m)						
21 22	E(m) =OE - BAS + RORB, where						
21 22 23	E(m) =OE - BAS + RORB, where OE = Pollution Control Operating Expenses						
21 22 23 24	E(m) =OE - BAS + RORB, where OE = Pollution Control Operating Expenses BAS = Total Proceeds from By-Product and Allowance Sales						
21 22 23 24 25	E(m) =OE - BAS + RORB, where OE = Pollution Control Operating Expenses						
21 22 23 24 25 26	E(m) =OE - BAS + RORB, where OE = Pollution Control Operating Expenses BAS = Total Proceeds from By-Product and Allowance Sales RORB = [(RB/12) x (RORORB)]			June 2021			· 2021
21 22 23 24 25 26 27	E(m) =OE - BAS + RORB, where OE = Pollution Control Operating Expenses BAS = Total Proceeds from By-Product and Allowance Sales RORB = [(RB/12) x (RORORB)] OE	=	\$	2,223,612		\$	2,874,498
21 22 23 24 25 26 27 28	E(m) =OE - BAS + RORB, where OE = Pollution Control Operating Expenses BAS = Total Proceeds from By-Product and Allowance Sales RORB = [(RB/12) x (RORORB)] OE BAS	= =	\$	2,223,612 = 67,171 =	= {	\$ \$	2,874,498 50,386
21 22 23 24 25 26 27 28 29	E(m) =OE - BAS + RORB, where OE = Pollution Control Operating Expenses BAS = Total Proceeds from By-Product and Allowance Sales RORB = [(RB/12) x (RORORB)] OE BAS RORB		\$ \$	2,223,612 = 67,171 = 277,012 =	= {	\$ \$ \$	2,874,498 50,386 290,802
21 22 23 24 25 26 27 28 29 30	E(m) =OE - BAS + RORB, where OE = Pollution Control Operating Expenses BAS = Total Proceeds from By-Product and Allowance Sales RORB = [(RB/12) x (RORORB)] OE BAS	=	\$	2,223,612 = 67,171 =	= {	\$ \$	2,874,498 50,386
21 22 23 24 25 26 27 28 29	E(m) =OE - BAS + RORB, where OE = Pollution Control Operating Expenses BAS = Total Proceeds from By-Product and Allowance Sales RORB = [(RB/12) x (RORORB)] OE BAS RORB	=	\$ \$	2,223,612 = 67,171 = 277,012 =	= {	\$ \$ \$	2,874,498 50,386 290,802
21 22 23 24 25 26 27 28 29 30	E(m) =OE - BAS + RORB, where OE = Pollution Control Operating Expenses BAS = Total Proceeds from By-Product and Allowance Sales RORB = [(RB/12) x (RORORB)] OE BAS RORB	= =	\$ \$ \$	$\begin{array}{c} 2,223,612 \\ 67,171 \\ 277,012 \\ 2,433,453 \end{array}$	= {	\$ \$ \$	2,874,498 50,386 290,802
21 22 23 24 25 26 27 28 29 30 31	E(m) =OE - BAS + RORB, where OE = Pollution Control Operating Expenses BAS = Total Proceeds from By-Product and Allowance Sales RORB = [(RB/12) x (RORORB)] OE BAS RORB E(m)	= =	\$ \$ \$	$\begin{array}{c} 2,223,612 \\ 67,171 \\ 277,012 \\ 2,433,453 \end{array}$	= 8	\$ \$ \$ \$	2,874,498 50,386 290,802
21 22 23 24 25 26 27 28 29 30 31 32	E(m) =OE - BAS + RORB, where OE = Pollution Control Operating Expenses BAS = Total Proceeds from By-Product and Allowance Sales RORB = [(RB/12) x (RORORB)] OE BAS RORB E(m) Calculation of Jurisdictional Environmental Surcharge Billing Member System Allocation Ratio for the Month (Form 3.00)	= = = Fac	\$ \$ \$	2,223,612 : 67,171 : 277,012 : 2,433,453 : 58.251807% :	= 8	\$ \$ \$ \$	2,874,498 50,386 290,802 3,114,914
21 22 23 24 25 26 27 28 29 30 31 32 33	E(m) =OE - BAS + RORB, where OE = Pollution Control Operating Expenses BAS = Total Proceeds from By-Product and Allowance Sales RORB = [(RB/12) x (RORORB)] OE BAS RORB E(m) Calculation of Jurisdictional Environmental Surcharge Billing Member System Allocation Ratio for the Month (Form 3.00) Subtotal E(m) = Subtotal E(m) x Member System Allocation Ratio	= = = Fac =	\$ \$ \$ etor	2,223,612 : 67,171 : 277,012 : 2,433,453 : 58.251807% : 1,417,530 :	= 3	\$ \$ \$ \$	2,874,498 50,386 290,802 3,114,914 60.328570% 1,879,183
21 22 23 24 25 26 27 28 29 30 31 32 33 34 35	E(m) =OE - BAS + RORB, where OE = Pollution Control Operating Expenses BAS = Total Proceeds from By-Product and Allowance Sales RORB = [(RB/12) x (RORORB)] OE BAS RORB E(m) Calculation of Jurisdictional Environmental Surcharge Billing Member System Allocation Ratio for the Month (Form 3.00) Subtotal E(m) = Subtotal E(m) x Member System Allocation Ratio Adjustment for (Over)/Under Recovery, as applicable (Form 2.00)	= = = Fac = =	\$ \$ \$ etor \$	2,223,612 : 67,171 : 277,012 : 2,433,453 : 58.251807% : 1,417,530 : 167,864 :	= \$\frac{1}{2}\$ = \$\frac{1}{2}\$ = \$\frac{1}{2}\$	\$ \$ \$ \$ \$	2,874,498 50,386 290,802 3,114,914 60.328570%
21 22 23 24 25 26 27 28 29 30 31 32 33 34	E(m) =OE - BAS + RORB, where OE = Pollution Control Operating Expenses BAS = Total Proceeds from By-Product and Allowance Sales RORB = [(RB/12) x (RORORB)] OE BAS RORB E(m) Calculation of Jurisdictional Environmental Surcharge Billing Member System Allocation Ratio for the Month (Form 3.00) Subtotal E(m) = Subtotal E(m) x Member System Allocation Ratio Adjustment for (Over)/Under Recovery, as applicable (Form 2.00) Prior Period Adjustment	= = = Fac = = =	\$ \$ etor \$ \$	2,223,612 : 67,171 : 277,012 : 2,433,453 : 58.251807% : 1,417,530 : 167,864 : - : - : - : - : - : - : - : - : - :		\$ \$ \$ \$	2,874,498 50,386 290,802 3,114,914 60.328570% 1,879,183 (303,671)
21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37	E(m) =OE - BAS + RORB, where OE = Pollution Control Operating Expenses BAS = Total Proceeds from By-Product and Allowance Sales RORB = [(RB/12) x (RORORB)] OE BAS RORB E(m) Calculation of Jurisdictional Environmental Surcharge Billing Member System Allocation Ratio for the Month (Form 3.00) Subtotal E(m) = Subtotal E(m) x Member System Allocation Ratio Adjustment for (Over)/Under Recovery, as applicable (Form 2.00) Prior Period Adjustment E(m) = Subtotal E(m) plus (Over)/Under Recovery plus Prior Period Adjustment	= = = Fac = = = =	\$ \$ \$ etor \$	2,223,612 : 67,171 : 277,012 : 2,433,453 : 58.251807% : 1,417,530 : 167,864 :		\$ \$ \$ \$ \$ \$ \$	2,874,498 50,386 290,802 3,114,914 60.328570% 1,879,183
21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36	E(m) =OE - BAS + RORB, where OE = Pollution Control Operating Expenses BAS = Total Proceeds from By-Product and Allowance Sales RORB = [(RB/12) x (RORORB)] OE BAS RORB E(m) Calculation of Jurisdictional Environmental Surcharge Billing Member System Allocation Ratio for the Month (Form 3.00) Subtotal E(m) = Subtotal E(m) x Member System Allocation Ratio Adjustment for (Over)/Under Recovery, as applicable (Form 2.00) Prior Period Adjustment E(m) = Subtotal E(m) plus (Over)/Under Recovery plus Prior Period Adjustment R(m) = Average Monthly Member System Revenue for the 12 Months Ending with	= = = = = = = = =	\$ \$ \$ etor \$ \$ \$ \$	2,223,612 : 67,171 : 277,012 : 2,433,453 : 58.251807% : 1,417,530 : 167,864 : 1,585,394 : 1		\$ \$ \$ \$ \$ \$ \$	2,874,498 50,386 290,802 3,114,914 60.328570% 1,879,183 (303,671) - 1,575,512
21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37	E(m) =OE - BAS + RORB, where OE = Pollution Control Operating Expenses BAS = Total Proceeds from By-Product and Allowance Sales RORB = [(RB/12) x (RORORB)] OE BAS RORB E(m) Calculation of Jurisdictional Environmental Surcharge Billing Member System Allocation Ratio for the Month (Form 3.00) Subtotal E(m) = Subtotal E(m) x Member System Allocation Ratio Adjustment for (Over)/Under Recovery, as applicable (Form 2.00) Prior Period Adjustment E(m) = Subtotal E(m) plus (Over)/Under Recovery plus Prior Period Adjustment	= = = Fac = = = =	\$ \$ etor \$ \$	2,223,612 = 67,171 = 277,012 = 2,433,453 = 58.251807% = 1,417,530 = 167,864 = 1,585,394 = 1,585,394		\$ \$ \$ \$ \$ \$ \$	2,874,498 50,386 290,802 3,114,914 60.328570% 1,879,183 (303,671)

Case No. 2023-00373

Calculation of Total E(m) and Calculation of Jurisdictional Environmental Surcharge Billing Factor

1	Calculation of Total E(m)					
2	E(m) = OE - BAS + RORB, where					
3	OE = Pollution Control Operating Expenses					
4	BAS = Total Proceeds from By-Product and Allowance Sales					
5	$RORB = [(RB/12) \times (RORORB)]$					
6				August 2021		September 2021
7	OE	=	\$	3,161,599 =		, ,
8	BAS	=	\$	34,994 =		27,219
9	RORB	=	\$	331,146 =	4	358,074
10	E(m)	=	\$	3,457,751 =	\$	2,398,892
11						
12	Calculation of Jurisdictional Environmental Surcharge Billing	Fac	to	r		
13	Member System Allocation Ratio for the Month (Form 3.00)	=		61.270725% =		54.844307%
14	Subtotal E(m) = Subtotal E(m) x Member System Allocation Ratio	=	\$	2,118,589 =	\$	1,315,656
15	Adjustment for (Over)/Under Recovery, as applicable (Form 2.00)	=	\$	(229,200) =	\$	(267,372)
16	Prior Period Adjustment	=	\$	` = =	\$	-
17	E(m) = Subtotal E(m) plus (Over)/Under Recovery plus Prior Period Adjustment	=	\$	1,889,389 =	\$	1,048,284
	R(m) = Average Monthly Member System Revenue for the 12 Months Ending with		,	,,	,	,, .
18	the Current Expense Month (Form 3.00)	=	\$	17,857,022 =	\$	17,854,102
19	CESF: E(m) / R(m); as a % of Revenue	=	Ψ	10.580650% =		5.871390%
20	CHOI. B(m) / IV(m), as a // of Ivevenue			10.0000070		0.01100070
21	Calculation of Total E(m)					
22	E(m) = OE - BAS + RORB, where					
23	OE = Pollution Control Operating Expenses					
$\frac{23}{24}$	BAS = Total Proceeds from By-Product and Allowance Sales					
$\frac{24}{25}$	RORB = [(RB/12) x (RORORB)]					
26				October 2021		November 2021
27	OE	=	\$	2,565,976 =	\$	
28	BAS	=	φ \$	24,900 =		, ,
20 29	RORB	=	Φ \$	24,900 = 374.641 =	- 1	393.042
	E(m)	=	Φ \$	2.915.717	*	/ -
30			Ф	2,910,717 -	ф	5,292,896
31		107	,			
32	Calculation of Jurisdictional Environmental Surcharge Billing		to			
33	Member System Allocation Ratio for the Month (Form 3.00)	=		50.022503% =		51.890351%
34	Subtotal E(m) = Subtotal E(m) x Member System Allocation Ratio	=	\$	1,458,515 =		
35	Adjustment for (Over)/Under Recovery, as applicable (Form 2.00)	=	\$	25,824 =		130,672
36	Prior Period Adjustment	=	\$	- =	\$	-
37	E(m) = Subtotal E(m) plus (Over)/Under Recovery plus Prior Period Adjustment	=	\$	1,484,339 =	Ψ	1,818,590
38	R(m) = Average Monthly Member System Revenue for the 12 Months Ending with	=	\$	17,951,412 =	4	18,154,085
	CESF: E(m) / R(m); as a % of Revenue	=		8.268648% =		10.017525%

Calculation of Total E(m) and Calculation of Jurisdictional Environmental Surcharge Billing Factor

-1	Calculation of Total E(m)						
1							
2	E(m) = OE - BAS + RORB, where						
3	OE = Pollution Control Operating Expenses BAS = Total Proceeds from By-Product and Allowance Sales						
4							
5	$RORB = [(RB/12) \times (RORORB)]$			D 1 2024			T 2022
6				December 2021			January 2022
7	OE	=	\$, - , -		\$	2,724,727
8	BAS	=	\$	- ,		\$	9,345
9	RORB	=	\$,	=	\$	459,909
10	E(m)	=	\$	2,610,203	=	\$	3,175,291
11		_					
12	Calculation of Jurisdictional Environmental Surcharge Billing	Fac	eto				
13	Member System Allocation Ratio for the Month (Form 3.00)	=		63.043509%			63.730805%
14	Subtotal E(m) = Subtotal E(m) x Member System Allocation Ratio	=	\$	-,,	=	\$	2,023,639
15	Adjustment for (Over)/Under Recovery, as applicable (Form 2.00)	=	\$	(62,151)	=	\$	(32,442)
16	Prior Period Adjustment	=	\$	-	=	\$	-
17	E(m) = Subtotal E(m) plus (Over)/Under Recovery plus Prior Period Adjustment	=	\$	1,583,413	=	\$	1,991,197
18	R(m) = Average Monthly Member System Revenue for the 12 Months Ending with	=	\$	18,079,726	=	\$	18,505,343
19	CESF: E(m) / R(m); as a % of Revenue	=		8.757948%	=		10.760119%
20							
$\frac{20}{21}$	Calculation of Total E(m)						
	Calculation of Total E(m) E(m) = OE - BAS + RORB, where						
21	E(m) = OE - BAS + RORB, where						
21 22	E(m) =OE - BAS + RORB, where OE = Pollution Control Operating Expenses						
21 22 23	E(m) =OE - BAS + RORB, where OE = Pollution Control Operating Expenses BAS = Total Proceeds from By-Product and Allowance Sales						
21 22 23 24	E(m) =OE - BAS + RORB, where OE = Pollution Control Operating Expenses BAS = Total Proceeds from By-Product and Allowance Sales			February 2022			March 2022
21 22 23 24 25	E(m) =OE - BAS + RORB, where OE = Pollution Control Operating Expenses BAS = Total Proceeds from By-Product and Allowance Sales	=	\$		=	\$	March 2022 2,223,176
21 22 23 24 25 26	E(m) =OE - BAS + RORB, where OE = Pollution Control Operating Expenses BAS = Total Proceeds from By-Product and Allowance Sales RORB = [(RB/12) x (RORORB)]	= =		1,916,239	=======================================	\$ \$	
21 22 23 24 25 26 27	E(m) =OE - BAS + RORB, where OE = Pollution Control Operating Expenses BAS = Total Proceeds from By-Product and Allowance Sales RORB = [(RB/12) x (RORORB)] OE			1,916,239 25,374			2,223,176
21 22 23 24 25 26 27 28 29	E(m) =OE - BAS + RORB, where OE = Pollution Control Operating Expenses BAS = Total Proceeds from By-Product and Allowance Sales RORB = [(RB/12) x (RORORB)] OE BAS RORB	=		1,916,239 25,374 460,845	=	\$	2,223,176 21,492 479,020
21 22 23 24 25 26 27 28	E(m) =OE - BAS + RORB, where OE = Pollution Control Operating Expenses BAS = Total Proceeds from By-Product and Allowance Sales RORB = [(RB/12) x (RORORB)] OE BAS	=		1,916,239 25,374 460,845	= =	\$	2,223,176 21,492
21 22 23 24 25 26 27 28 29 30 31	E(m) =OE - BAS + RORB, where OE = Pollution Control Operating Expenses BAS = Total Proceeds from By-Product and Allowance Sales RORB = [(RB/12) x (RORORB)] OE BAS RORB E(m)	= =	\$ \$ \$	1,916,239 25,374 460,845 2,351,710	= =	\$	2,223,176 21,492 479,020
21 22 23 24 25 26 27 28 29 30 31 32	E(m) =OE - BAS + RORB, where OE = Pollution Control Operating Expenses BAS = Total Proceeds from By-Product and Allowance Sales RORB = [(RB/12) x (RORORB)] OE BAS RORB E(m) Calculation of Jurisdictional Environmental Surcharge Billing	= =	\$ \$ \$	1,916,239 25,374 460,845 2,351,710	= = =	\$	2,223,176 21,492 479,020 2,680,704
21 22 23 24 25 26 27 28 29 30 31 32 33	E(m) =OE - BAS + RORB, where OE = Pollution Control Operating Expenses BAS = Total Proceeds from By-Product and Allowance Sales RORB = [(RB/12) x (RORORB)] OE BAS RORB E(m) Calculation of Jurisdictional Environmental Surcharge Billing Member System Allocation Ratio for the Month (Form 3.00)	= = = Fac =	\$ \$ \$ \$	1,916,239 25,374 460,845 2,351,710 r 67.217515%	= = = = = = = = = = = = = = = = = = = =	\$ \$	2,223,176 21,492 479,020 2,680,704 57.851806%
21 22 23 24 25 26 27 28 29 30 31 32 33 34	E(m) =OE - BAS + RORB, where OE = Pollution Control Operating Expenses BAS = Total Proceeds from By-Product and Allowance Sales RORB = [(RB/12) x (RORORB)] OE BAS RORB E(m) Calculation of Jurisdictional Environmental Surcharge Billing Member System Allocation Ratio for the Month (Form 3.00) Subtotal E(m) = Subtotal E(m) x Member System Allocation Ratio	= = = Fac = =	\$ \$ \$ eto :	1,916,239 25,374 460,845 2,351,710 r 67.217515% 1,580,761	= = = = =	\$ \$ \$	2,223,176 21,492 479,020 2,680,704 57.851806% 1,550,836
21 22 23 24 25 26 27 28 29 30 31 32 33 34 35	E(m) =OE - BAS + RORB, where OE = Pollution Control Operating Expenses BAS = Total Proceeds from By-Product and Allowance Sales RORB = [(RB/12) x (RORORB)] OE BAS RORB E(m) Calculation of Jurisdictional Environmental Surcharge Billing Member System Allocation Ratio for the Month (Form 3.00) Subtotal E(m) = Subtotal E(m) x Member System Allocation Ratio Adjustment for (Over)/Under Recovery, as applicable (Form 2.00)	= = = Fac =	\$ \$ \$ eto :	1,916,239 25,374 460,845 2,351,710 r 67.217515% 1,580,761 (587,540)	= = = = = =	\$ \$ \$	2,223,176 21,492 479,020 2,680,704 57.851806%
21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36	E(m) =OE - BAS + RORB, where OE = Pollution Control Operating Expenses BAS = Total Proceeds from By-Product and Allowance Sales RORB = [(RB/12) x (RORORB)] OE BAS RORB E(m) Calculation of Jurisdictional Environmental Surcharge Billing Member System Allocation Ratio for the Month (Form 3.00) Subtotal E(m) = Subtotal E(m) x Member System Allocation Ratio Adjustment for (Over)/Under Recovery, as applicable (Form 2.00) Prior Period Adjustment	= = = = = = = =	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	1,916,239 25,374 460,845 2,351,710 r 67.217515% 1,580,761 (587,540)	= = = = = = =	\$ \$ \$	2,223,176 21,492 479,020 2,680,704 57.851806% 1,550,836 (309,310)
21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37	E(m) =OE - BAS + RORB, where OE = Pollution Control Operating Expenses BAS = Total Proceeds from By-Product and Allowance Sales RORB = [(RB/12) x (RORORB)] OE BAS RORB E(m) Calculation of Jurisdictional Environmental Surcharge Billing Member System Allocation Ratio for the Month (Form 3.00) Subtotal E(m) = Subtotal E(m) x Member System Allocation Ratio Adjustment for (Over)/Under Recovery, as applicable (Form 2.00) Prior Period Adjustment E(m) = Subtotal E(m) plus (Over)/Under Recovery plus Prior Period Adjustment	Fac = = = = = = = =	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	1,916,239 25,374 460,845 2,351,710 r 67.217515% 1,580,761 (587,540) - 993,221	= = = = = = = =	\$ \$ \$	2,223,176 21,492 479,020 2,680,704 57.851806% 1,550,836 (309,310) - 1,241,526
21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36	E(m) =OE - BAS + RORB, where OE = Pollution Control Operating Expenses BAS = Total Proceeds from By-Product and Allowance Sales RORB = [(RB/12) x (RORORB)] OE BAS RORB E(m) Calculation of Jurisdictional Environmental Surcharge Billing Member System Allocation Ratio for the Month (Form 3.00) Subtotal E(m) = Subtotal E(m) x Member System Allocation Ratio Adjustment for (Over)/Under Recovery, as applicable (Form 2.00) Prior Period Adjustment	= = = = = = = =	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	1,916,239 25,374 460,845 2,351,710 r 67.217515% 1,580,761 (587,540) - 993,221 18,530,949	= = = = = = =	\$ \$ \$	2,223,176 21,492 479,020 2,680,704 57.851806% 1,550,836 (309,310)

Calculation of Total E(m) and Calculation of Jurisdictional Environmental Surcharge Billing Factor

1 2 3 4 5	Calculation of Total E(m) E(m) = OE - BAS + RORB, where OE = Pollution Control Operating Expenses BAS = Total Proceeds from By-Product and Allowance Sales RORB = [(RB/12) x (RORORB)]				
6	$-\left[\left(RD/12\right)X\left(RORORD\right)\right]$			April 2022	May 2022
7	OE	=	\$	1,186,977 = \$	1,393,525
8	BAS	=	\$	10,237 = \$	24,335
9	RORB	=	\$	496,627 = \$	495,684
10	E(m)	=	\$	1,673,367 = \$	1,864,874
$\begin{array}{c} 11 \\ 12 \end{array}$	Calculation of Jurisdictional Environmental Surcharge Billing	Fac	tor		
13	Member System Allocation Ratio for the Month (Form 3.00)	=	101	57.847492% =	62.725684%
14	Subtotal E(m) = Subtotal E(m) x Member System Allocation Ratio	=	\$	968.001 = \$	1,169,755
15	Adjustment for (Over)/Under Recovery, as applicable (Form 2.00)	=	\$	(135,289) = \$	89,483
16	Prior Period Adjustment	=	\$	- = \$	-
17	E(m) = Subtotal E(m) plus (Over)/Under Recovery plus Prior Period Adjustment	=	\$	832,712 = \$	1,259,238
18	R(m) = Average Monthly Member System Revenue for the 12 Months Ending with	=	\$	19,288,900 = \$	19,719,319
19	CESF: E(m) / R(m); as a % of Revenue	=		4.317053% =	6.385809%
21 22 23 24 25	Calculation of Total E(m) E(m) = OE - BAS + RORB, where OE = Pollution Control Operating Expenses BAS = Total Proceeds from By-Product and Allowance Sales RORB = [(RB/12) x (RORORB)]				
26	, . , ,			June 2022	July 2022
27	OE	=	\$	1,362,421 = \$	1,143,675
28	BAS	=	\$	26,307 = \$	12,938
29	RORB	=	\$	610,559 = \$	581,540
30	E(m)	=	\$	1,946,673 = \$	1,712,277
$\frac{31}{32}$	Calculation of Jurisdictional Environmental Surcharge Billing	Fac	tor		
33	Member System Allocation Ratio for the Month (Form 3.00)	=		51.034184% =	65.882377%
34	Subtotal E(m) = Subtotal E(m) x Member System Allocation Ratio	=	\$	993,469 = \$	1,128,089
35	Adjustment for (Over)/Under Recovery, as applicable (Form 2.00)	=	\$	(80,464) = \$	(144,187)
36	Prior Period Adjustment	=	\$	- = \$	=
37	E(m) = Subtotal E(m) plus (Over)/Under Recovery plus Prior Period Adjustment	=	\$	913,005 = \$	983,902
38	R(m) = Average Monthly Member System Revenue for the 12 Months Ending with	=	\$	19,975,850 = \$	20,716,396
39	CESF: E(m) / R(m); as a % of Revenue	=		4.570544% =	4.749388%

Calculation of Total E(m) and Calculation of Jurisdictional Environmental Surcharge Billing Factor

	Calculation of Total E(m) E(m) = OE - BAS + RORB, where OE = Pollution Control Operating Expenses BAS = Total Proceeds from By-Product and Allowance Sales RORB = [(RB/12) x (RORORB)]					
6				August 2022		September 2022
	OE	=	\$	-,,		\$ 1,207,540
-	BAS	=	\$	- , -		\$ 15,810
-	RORB	=	\$,		\$ 698,819
-	E(m)	=	\$	1,735,147	=	\$ 1,890,549
11 12	Calculation of Jurisdictional Environmental Surcharge Billing	Fac	to	r		
	Member System Allocation Ratio for the Month (Form 3.00)	=		62.229873%	=	67.298459%
14	Subtotal E(m) = Subtotal E(m) x Member System Allocation Ratio	=	\$	1,079,780	=	\$ 1,272,310
15	Adjustment for (Over)/Under Recovery, as applicable (Form 2.00)	=	\$	(426,621)	=	\$ (348,155)
16	Prior Period Adjustment	=	\$	- :	=	\$ -
	E(m) = Subtotal E(m) plus (Over)/Under Recovery plus Prior Period Adjustment	=	\$	653,159	=	\$ 924,155
	R(m) = Average Monthly Member System Revenue for the 12 Months Ending with	=	\$	21,318,457	=	\$ 22,215,682
19	CESF: E(m) / R(m); as a % of Revenue	=		3.063819%	=	4.159922%
22 23 24 25	Calculation of Total E(m) E(m) = OE - BAS + RORB, where OE = Pollution Control Operating Expenses BAS = Total Proceeds from By-Product and Allowance Sales RORB = [(RB/12) x (RORORB)]					
26	O.P.		Φ.	October 2022		November 2022
	OE	=	\$	/		\$ 627,888
-	BAS	=	\$,	=	\$ 21,391
-	RORB	=	\$,		\$ 835,225
30 31	E(m)		ф	1,438,466	_	\$ 1,441,722
32	Calculation of Jurisdictional Environmental Surcharge Billing	Fac	to			
	Member System Allocation Ratio for the Month (Form 3.00)	=		67.366794%	=	67.674329%
	Subtotal $E(m)$ = Subtotal $E(m)$ x Member System Allocation Ratio	=	\$,		\$ 975,676
	Adjustment for (Over)/Under Recovery, as applicable (Form 2.00)	=	\$	(216,342)		\$ (28,281)
	Prior Period Adjustment	=	\$		=	\$ -
	E(m) = Subtotal E(m) plus (Over)/Under Recovery plus Prior Period Adjustment	=	\$,	=	\$ 947,395
	R(m) = Average Monthly Member System Revenue for the 12 Months Ending with	=	\$,,	=	\$ 23,278,188
39	CESF: E(m) / R(m); as a % of Revenue	=		3.298266%	=	4.069883%

Calculation of Total E(m) and Calculation of Jurisdictional Environmental Surcharge Billing Factor

$\frac{1}{2}$	Calculation of Total E(m) E(m) = OE - BAS + RORB, where						
3	OE = Pollution Control Operating Expenses						
4	BAS = Total Proceeds from By-Product and Allowance Sales						
5	$RORB = [(RB/12) \times (RORORB)]$						
6				December 2022			January 2023
7	OE	=	\$,,	=	\$	1,270,230
8	BAS	=	\$	-, -	=	\$	21,610
9	RORB	=	\$	-,,	=	\$	741,701
10	E(m)	_=	\$	3,897,876	=	\$	1,990,321
$\frac{11}{12}$	Calculation of Jurisdictional Environmental Surcharge Billing	Fac	etoi	r			
13	Member System Allocation Ratio for the Month (Form 3.00)	=		67.194856%	=		74.141993%
14	Subtotal E(m) = Subtotal E(m) x Member System Allocation Ratio	=	\$	2,619,172	=	\$	1,475,664
15	Adjustment for (Over)/Under Recovery, as applicable (Form 2.00)	=	\$	(45,017)	=	\$	(261,001)
16	Prior Period Adjustment	=	\$	-	=	\$	· · · ·
17	E(m) = Subtotal E(m) plus (Over)/Under Recovery plus Prior Period Adjustment	=	\$	2,574,155	=	\$	1,214,663
18	R(m) = Average Monthly Member System Revenue for the 12 Months Ending with	=	\$	24,212,625	=	\$	24,170,172
19	CESF: E(m) / R(m); as a % of Revenue	=		10.631458%	=		5.025463%
20							
21	Calculation of Total E(m)						
	Calculation of Total E(m) E(m) =OE - BAS + RORB, where						
21	E(m) =OE - BAS + RORB, where OE = Pollution Control Operating Expenses						
21 22	E(m) =OE - BAS + RORB, where OE = Pollution Control Operating Expenses BAS = Total Proceeds from By-Product and Allowance Sales						
21 22 23 24 25	E(m) =OE - BAS + RORB, where OE = Pollution Control Operating Expenses						
21 22 23 24 25 26	E(m) =OE - BAS + RORB, where OE = Pollution Control Operating Expenses BAS = Total Proceeds from By-Product and Allowance Sales RORB = [(RB/12) x (RORORB)]			February 2023			March 2023
21 22 23 24 25 26 27	E(m) =OE - BAS + RORB, where OE = Pollution Control Operating Expenses BAS = Total Proceeds from By-Product and Allowance Sales RORB = [(RB/12) x (RORORB)] OE	=	\$	1,220,857	=	\$	1,131,825
21 22 23 24 25 26 27 28	E(m) =OE - BAS + RORB, where OE = Pollution Control Operating Expenses BAS = Total Proceeds from By-Product and Allowance Sales RORB = [(RB/12) x (RORORB)] OE BAS	= =		1,220,857 16,694	=	\$ \$	1,131,825 8,932
21 22 23 24 25 26 27 28 29	E(m) =OE - BAS + RORB, where OE = Pollution Control Operating Expenses BAS = Total Proceeds from By-Product and Allowance Sales RORB = [(RB/12) x (RORORB)] OE BAS RORB		\$ \$ \$	1,220,857 16,694 762,350	=		1,131,825 8,932 753,976
21 22 23 24 25 26 27 28 29 30	E(m) =OE - BAS + RORB, where OE = Pollution Control Operating Expenses BAS = Total Proceeds from By-Product and Allowance Sales RORB = [(RB/12) x (RORORB)] OE BAS	=	\$	1,220,857 16,694 762,350	=		1,131,825 8,932
21 22 23 24 25 26 27 28 29 30 31	E(m) =OE - BAS + RORB, where OE = Pollution Control Operating Expenses BAS = Total Proceeds from By-Product and Allowance Sales RORB = [(RB/12) x (RORORB)] OE BAS RORB E(m)	= = =	\$ \$ \$	1,220,857 16,694 762,350 1,966,513	=		1,131,825 8,932 753,976
21 22 23 24 25 26 27 28 29 30 31 32	E(m) =OE - BAS + RORB, where OE	= = = Fac	\$ \$ \$	1,220,857 16,694 762,350 1,966,513	= =		1,131,825 8,932 753,976 1,876,869
21 22 23 24 25 26 27 28 29 30 31 32 33	E(m) =OE - BAS + RORB, where OE = Pollution Control Operating Expenses BAS = Total Proceeds from By-Product and Allowance Sales RORB = [(RB/12) x (RORORB)] OE BAS RORB E(m) Calculation of Jurisdictional Environmental Surcharge Billing Member System Allocation Ratio for the Month (Form 3.00)	= = = Fac =	\$ \$ \$ \$	1,220,857 16,694 762,350 1,966,513 r 57.579157%	= = =	\$ \$	1,131,825 8,932 753,976 1,876,869 71.467191%
21 22 23 24 25 26 27 28 29 30 31 32 33 34	E(m) =OE - BAS + RORB, where OE = Pollution Control Operating Expenses BAS = Total Proceeds from By-Product and Allowance Sales RORB = [(RB/12) x (RORORB)] OE BAS RORB E(m) Calculation of Jurisdictional Environmental Surcharge Billing Member System Allocation Ratio for the Month (Form 3.00) Subtotal E(m) = Subtotal E(m) x Member System Allocation Ratio	= = = <u>Fac</u> = =	\$ \$ \$ eto 1	1,220,857 16,694 762,350 1,966,513 r 57.579157% 1,132,302	= = = = =	\$ \$ \$	1,131,825 8,932 753,976 1,876,869 71.467191% 1,341,346
21 22 23 24 25 26 27 28 29 30 31 32 33 34 35	E(m) =OE - BAS + RORB, where OE = Pollution Control Operating Expenses BAS = Total Proceeds from By-Product and Allowance Sales RORB = [(RB/12) x (RORORB)] OE BAS RORB E(m) Calculation of Jurisdictional Environmental Surcharge Billing Member System Allocation Ratio for the Month (Form 3.00) Subtotal E(m) = Subtotal E(m) x Member System Allocation Ratio Adjustment for (Over)/Under Recovery, as applicable (Form 2.00)	= = = = = = = =	\$ \$ \$ eto 1	1,220,857 16,694 762,350 1,966,513 r 57.579157%	= = = = = = = = = = = = = = = = = = = =	\$ \$	1,131,825 8,932 753,976 1,876,869 71.467191%
21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36	E(m) =OE - BAS + RORB, where OE = Pollution Control Operating Expenses BAS = Total Proceeds from By-Product and Allowance Sales RORB = [(RB/12) x (RORORB)] OE BAS RORB E(m) Calculation of Jurisdictional Environmental Surcharge Billing Member System Allocation Ratio for the Month (Form 3.00) Subtotal E(m) = Subtotal E(m) x Member System Allocation Ratio Adjustment for (Over)/Under Recovery, as applicable (Form 2.00) Prior Period Adjustment	= = = = = = = =	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	1,220,857 16,694 762,350 1,966,513 r 57.579157% 1,132,302 (7,050)	= = = = = = = = = = = = = = = = = = = =	\$ \$ \$	1,131,825 8,932 753,976 1,876,869 71.467191% 1,341,346 206,539
21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37	E(m) =OE - BAS + RORB, where OE = Pollution Control Operating Expenses BAS = Total Proceeds from By-Product and Allowance Sales RORB = [(RB/12) x (RORORB)] OE BAS RORB E(m) Calculation of Jurisdictional Environmental Surcharge Billing Member System Allocation Ratio for the Month (Form 3.00) Subtotal E(m) = Subtotal E(m) x Member System Allocation Ratio Adjustment for (Over)/Under Recovery, as applicable (Form 2.00) Prior Period Adjustment E(m) = Subtotal E(m) plus (Over)/Under Recovery plus Prior Period Adjustment	= = = = = = = = =	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	1,220,857 16,694 762,350 1,966,513 r 57.579157% 1,132,302 (7,050) - 1,125,252	= = = = = = = =	\$ \$ \$	1,131,825 8,932 753,976 1,876,869 71.467191% 1,341,346 206,539 - 1,547,885
21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36	E(m) =OE - BAS + RORB, where OE = Pollution Control Operating Expenses BAS = Total Proceeds from By-Product and Allowance Sales RORB = [(RB/12) x (RORORB)] OE BAS RORB E(m) Calculation of Jurisdictional Environmental Surcharge Billing Member System Allocation Ratio for the Month (Form 3.00) Subtotal E(m) = Subtotal E(m) x Member System Allocation Ratio Adjustment for (Over)/Under Recovery, as applicable (Form 2.00) Prior Period Adjustment	= = = = = = = =	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	1,220,857 16,694 762,350 1,966,513 r 57.579157% 1,132,302 (7,050)	= = = = = = = = = = = = = = = = = = = =	\$ \$ \$	1,131,825 8,932 753,976 1,876,869 71.467191% 1,341,346 206,539

Calculation of Total E(m) and Calculation of Jurisdictional Environmental Surcharge Billing Factor

1	Calculation of Total E(m)					
$\frac{1}{2}$	E(m) = OE - BAS + RORB, where					
3	OE = Pollution Control Operating Expenses BAS = Total Proceeds from By-Product and Allowance Sales					
4						
5	$RORB = [(RB/12) \times (RORORB)]$			A '1 0000		M 2020
6	O.D.		Φ.	April 2023	Φ.	May 2023
7	OE	=	\$	1,063,325 =	т.	1,219,624
8	BAS	=	\$	12,561 =	\$	21,576
9	RORB	=	\$	766,223 =	\$	776,145
10	E(m)		\$	1,816,987 =	\$	1,974,193
11		T.7	,			
12	Calculation of Jurisdictional Environmental Surcharge Billing	rac	tor			
13	Member System Allocation Ratio for the Month (Form 3.00)	=		67.677151% =		69.833880%
14	Subtotal $E(m)$ = Subtotal $E(m)$ x Member System Allocation Ratio	=	\$	1,229,685 =	\$	1,378,656
15	Adjustment for (Over)/Under Recovery, as applicable (Form 2.00)	=	\$	258,608 =	\$	536,156
16	Prior Period Adjustment	=	\$	- =	\$	-
17	E(m) = Subtotal E(m) plus (Over)/Under Recovery plus Prior Period Adjustment	=	\$	1,488,293 =	\$	1,914,812
18	R(m) = Average Monthly Member System Revenue for the 12 Months Ending with	=	\$	23,674,946 =	\$	23,452,976
19	CESF: E(m) / R(m); as a % of Revenue	=		6.286363% =		8.164473%
				00000		0,000
20						0,-0,-
20 21	Calculation of Total E(m)					
	E(m) = OE - BAS + RORB, where					
21	E(m) = OE - BAS + RORB, where					
21 22	E(m) =OE - BAS + RORB, where					
21 22 23	E(m) =OE - BAS + RORB, where OE = Pollution Control Operating Expenses					
21 22 23 24	E(m) =OE - BAS + RORB, where OE = Pollution Control Operating Expenses BAS = Total Proceeds from By-Product and Allowance Sales			June 2023		July 2023
21 22 23 24 25	E(m) =OE - BAS + RORB, where OE = Pollution Control Operating Expenses BAS = Total Proceeds from By-Product and Allowance Sales	=	\$		\$	
21 22 23 24 25 26	E(m) =OE - BAS + RORB, where OE = Pollution Control Operating Expenses BAS = Total Proceeds from By-Product and Allowance Sales RORB = [(RB/12) x (RORORB)]	= =	\$ \$	June 2023	\$ \$	July 2023
21 22 23 24 25 26 27	E(m) =OE - BAS + RORB, where OE = Pollution Control Operating Expenses BAS = Total Proceeds from By-Product and Allowance Sales RORB = [(RB/12) x (RORORB)] OE			June 2023 1,138,651 =		July 2023 1,313,012
21 22 23 24 25 26 27 28 29	E(m) =OE - BAS + RORB, where OE = Pollution Control Operating Expenses BAS = Total Proceeds from By-Product and Allowance Sales RORB = [(RB/12) x (RORORB)] OE BAS RORB	=	\$	June 2023 1,138,651 = 20,610 = 784,474 =	\$	July 2023 1,313,012 13,029 808,442
21 22 23 24 25 26 27 28	E(m) =OE - BAS + RORB, where OE = Pollution Control Operating Expenses BAS = Total Proceeds from By-Product and Allowance Sales RORB = [(RB/12) x (RORORB)] OE BAS	=	\$	June 2023 1,138,651 = 20,610 = 784,474 =	\$	July 2023 1,313,012 13,029
21 22 23 24 25 26 27 28 29 30 31	E(m) =OE - BAS + RORB, where OE = Pollution Control Operating Expenses BAS = Total Proceeds from By-Product and Allowance Sales RORB = [(RB/12) x (RORORB)] OE BAS RORB E(m)	= =	\$ \$ \$	June 2023 1,138,651 = 20,610 = 784,474 = 1,902,515 =	\$	July 2023 1,313,012 13,029 808,442
21 22 23 24 25 26 27 28 29 30 31 32	E(m) =OE - BAS + RORB, where OE = Pollution Control Operating Expenses BAS = Total Proceeds from By-Product and Allowance Sales RORB = [(RB/12) x (RORORB)] OE BAS RORB E(m) Calculation of Jurisdictional Environmental Surcharge Billing	= =	\$ \$ \$	June 2023 1,138,651 = 20,610 = 784,474 = 1,902,515 =	\$	July 2023 1,313,012 13,029 808,442 2,108,425
21 22 23 24 25 26 27 28 29 30 31 32 33	E(m) =OE - BAS + RORB, where OE = Pollution Control Operating Expenses BAS = Total Proceeds from By-Product and Allowance Sales RORB = [(RB/12) x (RORORB)] OE BAS RORB E(m) Calculation of Jurisdictional Environmental Surcharge Billing Member System Allocation Ratio for the Month (Form 3.00)	= = = Fac	\$ \$ tor	June 2023 1,138,651 = 20,610 = 784,474 = 1,902,515 = 74.168163% =	\$ \$	July 2023 1,313,012 13,029 808,442 2,108,425 71.304207%
21 22 23 24 25 26 27 28 29 30 31 32 33 34	E(m) =OE - BAS + RORB, where OE = Pollution Control Operating Expenses BAS = Total Proceeds from By-Product and Allowance Sales RORB = [(RB/12) x (RORORB)] OE BAS RORB E(m) Calculation of Jurisdictional Environmental Surcharge Billing Member System Allocation Ratio for the Month (Form 3.00) Subtotal E(m) = Subtotal E(m) x Member System Allocation Ratio	= = = Fac =	\$ \$ tor	June 2023 1,138,651 = 20,610 = 784,474 = 1,902,515 = 74.168163% = 1,411,060 =	\$ \$ \$	July 2023 1,313,012 13,029 808,442 2,108,425 71.304207% 1,503,396
21 22 23 24 25 26 27 28 29 30 31 32 33 34	E(m) =OE - BAS + RORB, where OE = Pollution Control Operating Expenses BAS = Total Proceeds from By-Product and Allowance Sales RORB = [(RB/12) x (RORORB)] OE BAS RORB E(m) Calculation of Jurisdictional Environmental Surcharge Billing Member System Allocation Ratio for the Month (Form 3.00) Subtotal E(m) = Subtotal E(m) x Member System Allocation Ratio Adjustment for (Over)/Under Recovery, as applicable (Form 2.00)	= = = Fac = =	\$ \$ tor \$	June 2023 1,138,651 = 20,610 = 784,474 = 1,902,515 = 74.168163% =	\$ \$ \$	July 2023 1,313,012 13,029 808,442 2,108,425 71.304207%
21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36	E(m) =OE - BAS + RORB, where OE = Pollution Control Operating Expenses BAS = Total Proceeds from By-Product and Allowance Sales RORB = [(RB/12) x (RORORB)] OE BAS RORB E(m) Calculation of Jurisdictional Environmental Surcharge Billing Member System Allocation Ratio for the Month (Form 3.00) Subtotal E(m) = Subtotal E(m) x Member System Allocation Ratio Adjustment for (Over)/Under Recovery, as applicable (Form 2.00) Prior Period Adjustment	= = = = = = = =	\$ \$ \$ tor \$ \$ \$	June 2023 1,138,651 = 20,610 = 784,474 = 1,902,515 = 74.168163% = 1,411,060 = 326,000 = - =	\$ \$ \$	July 2023 1,313,012 13,029 808,442 2,108,425 71.304207% 1,503,396 233,625
21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37	E(m) =OE - BAS + RORB, where OE = Pollution Control Operating Expenses BAS = Total Proceeds from By-Product and Allowance Sales RORB = [(RB/12) x (RORORB)] OE BAS RORB E(m) Calculation of Jurisdictional Environmental Surcharge Billing Member System Allocation Ratio for the Month (Form 3.00) Subtotal E(m) = Subtotal E(m) x Member System Allocation Ratio Adjustment for (Over)/Under Recovery, as applicable (Form 2.00) Prior Period Adjustment E(m) = Subtotal E(m) plus (Over)/Under Recovery plus Prior Period Adjustment	= = = = = = = = =	\$ \$ \$ tor \$ \$ \$ \$	June 2023 1,138,651 = 20,610 = 784,474 = 1,902,515 = 74.168163% = 1,411,060 = 326,000 = 0 = 0 = 0 = 0 = 0 = 0 = 0 = 0 = 0	\$ \$ \$	July 2023 1,313,012 13,029 808,442 2,108,425 71.304207% 1,503,396 233,625 - 1,737,021
21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36	E(m) =OE - BAS + RORB, where OE = Pollution Control Operating Expenses BAS = Total Proceeds from By-Product and Allowance Sales RORB = [(RB/12) x (RORORB)] OE BAS RORB E(m) Calculation of Jurisdictional Environmental Surcharge Billing Member System Allocation Ratio for the Month (Form 3.00) Subtotal E(m) = Subtotal E(m) x Member System Allocation Ratio Adjustment for (Over)/Under Recovery, as applicable (Form 2.00) Prior Period Adjustment	= = = = = = = =	\$ \$ \$ tor \$ \$ \$	June 2023 1,138,651 = 20,610 = 784,474 = 1,902,515 = 74.168163% = 1,411,060 = 326,000 = - =	\$ \$ \$	July 2023 1,313,012 13,029 808,442 2,108,425 71.304207% 1,503,396 233,625

Calculation of Total E(m) and Calculation of Jurisdictional Environmental Surcharge Billing Factor

1	Calculation of Total E(m)					
2	E(m) = OE - BAS + RORB, where					
3	OE = Pollution Control Operating Expenses					
4	BAS = Total Proceeds from By-Product and Allowance Sales					
5	$RORB = [(RB/12) \times (RORORB)]$					
6				August 2023		September 2023
7	OE	=	\$	1,502,853	=	\$ 1,278,820
8	BAS	=	\$	18,561	=	\$ -
9	RORB	=	\$	816,206	=	\$ 828,942
10	E(m)	=	\$	2,300,498	=	\$ 2,107,762
11						
12	Calculation of Jurisdictional Environmental Surcharge Billing	Fac	tor	•		
13	Member System Allocation Ratio for the Month (Form 3.00)	=		71.242038%	=	71.928550%
14	Subtotal E(m) = Subtotal E(m) x Member System Allocation Ratio	=	\$	1,638,922	=	\$ 1,516,083
15	Adjustment for (Over)/Under Recovery, as applicable (Form 2.00)	=	\$	(144,904)	=	\$ (81,548)
16	Prior Period Adjustment	=	\$	-	=	\$ -
17	E(m) = Subtotal E(m) plus (Over)/Under Recovery plus Prior Period Adjustment	=	\$	1,494,018	=	\$ 1,434,535
18	R(m) = Average Monthly Member System Revenue for the 12 Months Ending with	=	\$	22,679,173	=	\$ 22,093,757
19	CESF: E(m) / R(m); as a % of Revenue	=		6.587621%	=	6.492943%

ELECTRONIC EXAMINATION BY THE PUBLIC SERVICE COMMISSION OF THE ENVIRONMENTAL SURCHARGE MECHANISM OF BIG RIVERS ELECTRIC CORPORATION FOR THE SIX-MONTH BILLING PERIODS ENDING JANUARY 31, 2020, JULY 31, 2020, JANUARY 31, 2021, JANUARY 31, 2022, JULY 31, 2022, AND JANUARY 31, 2023, THE TWO-YEAR EXPENSE PERIODS ENDING JULY 31, 2021, AND JULY 31, 2023, AND THE PASS THROUGH MECHANISM OF ITS THREE MEMBER DISTRIBUTION COOPERATIVES CASE NO. 2023-00373

RESPONSE OF BIG RIVERS ELECTRIC CORPORATION TO COMMISSION STAFF'S FIRST REQUEST FOR INFORMATION DATED DECEMBER 8, 2023

January 17, 2024

Item 2) This request is addressed to the Member Cooperatives. For each of the Member Cooperatives, prepare a summary schedule showing the Member Cooperative's pass-through revenue requirement for the expense months covered by the billing periods under review. Include the two expense months subsequent to the review periods. Include a calculation of any additional over- or under-recovery amount the Member Cooperative believes needs to be recognized for the six-month and two-year reviews. Provide all supporting calculations and documentation in Excel spreadsheet format with formulas intact and unprotected and all rows and columns fully accessible.

Response) The following six schedules listed below, and attached to this response, reflect the Member Cooperatives' environmental surcharge pass-through revenue requirements for the months corresponding with Big Rivers' expense months from

Case No. 2023-00373 Response to Staff Item 2 Witness: Christopher A. Warren

Page 1 of 3

ELECTRONIC EXAMINATION BY THE PUBLIC SERVICE COMMISSION OF THE ENVIRONMENTAL SURCHARGE MECHANISM OF BIG RIVERS ELECTRIC CORPORATION FOR THE SIX-MONTH BILLING PERIODS ENDING JANUARY 31, 2020, JULY 31, 2020, JANUARY 31, 2021, JANUARY 31, 2022, JULY 31, 2022, AND JANUARY 31, 2023, THE TWO-YEAR EXPENSE PERIODS ENDING JULY 31, 2021, AND JULY 31, 2023, AND THE PASS THROUGH MECHANISM OF ITS THREE MEMBER DISTRIBUTION COOPERATIVES CASE NO. 2023-00373

RESPONSE OF BIG RIVERS ELECTRIC CORPORATION TO COMMISSION STAFF'S FIRST REQUEST FOR INFORMATION DATED DECEMBER 8, 2023

January 17, 2024

August 2019 through September 2023 (*i.e.*, the 48 expense months covered in the review and 2 subsequent months), applied to Big Rivers' Members' invoices for the service months of September 2019 through October 2023, which Big Rivers billed to its Members during the months of October 2019 through November 2023 (*i.e.*, the months corresponding with the two-year review periods ending July 31, 2021, and July 31, 2023, plus the two subsequent months).

- Attachment 1 Jackson Purchase Energy Corporation Non-Dedicated
 Delivery Point Customers;
- Attachment 2 Kenergy Corp. Non-Dedicated Delivery Point Customers;
- Attachment 3 Meade County Rural Electric Cooperative Corporation Non-Dedicated Delivery Point Customers;
- Attachment 4 Jackson Purchase Energy Corporation Dedicated Delivery Point Customers;
- Attachment 5 Kenergy Corp. Dedicated Delivery Point Customers; and

Case No. 2023-00373 Response to Staff Item 2 Witness: Christopher A. Warren Page 2 of 3

ELECTRONIC EXAMINATION BY THE PUBLIC SERVICE COMMISSION OF THE ENVIRONMENTAL SURCHARGE MECHANISM OF BIG RIVERS ELECTRIC CORPORATION FOR THE SIX-MONTH BILLING PERIODS ENDING JANUARY 31, 2020, JULY 31, 2020, JANUARY 31, 2021, JANUARY 31, 2022, JULY 31, 2022, AND JANUARY 31, 2023, THE TWO-YEAR EXPENSE PERIODS ENDING JULY 31, 2021, AND JULY 31, 2023, AND THE PASS THROUGH MECHANISM OF ITS THREE MEMBER DISTRIBUTION COOPERATIVES CASE NO. 2023-00373

RESPONSE OF BIG RIVERS ELECTRIC CORPORATION TO COMMISSION STAFF'S FIRST REQUEST FOR INFORMATION DATED DECEMBER 8, 2023

January 17, 2024

• Attachment 6 - Meade County Rural Electric Cooperative Corporation

Dedicated Delivery Point Customers.

As illustrated in the attached schedules, there is a one-month billing lag for the Members' non-dedicated delivery point customers and no billing lag for the Members' dedicated delivery point customers.

The information in the attached schedules was obtained from the Members' monthly Environmental Surcharge Schedules provide by Big Rivers' Members. Other than the on-going cumulative over-/under-recovery mechanism, no additional over-/under-recovery amounts are being requested by the Members for the billing periods under review.

All schedules, supporting calculations, and documentation are also being provided in Excel spreadsheet format, with all cells and formulas intact and unprotected, in a separate Excel file as part of the electronic filing.

Witness: Christopher A. Warren

Case No. 2023-00373 Response to Staff Item 2 Witness: Christopher A. Warren

Page 3 of 3

Six-Month and Two-Year Environmental Surcharge Review (Case No. 2023-00373) Response to Commission Staff's First Request for Information dated January 17, 2024 Item No. 2 (Attachment 1 of 6)

JACKSON PURCHASE ENERGY CORPORATION (JPEC) NON-DEDICATED DELIVERY POINT CUSTOMERS

Į	NON-DEDICATED DELIVERY POINT CUSTOMERS													
ŀ	(a)	(b)	(c)	(d)		(e)	(f)		(g)		(h)	(i)		(j)
	Big Rivers' Expense	Big Rivers' ES Factor Based on	Big Rivers' Service	Month Billed by	Inv	Big Rivers'	Month Billed by		ES Amount Billed to JPEC's Customers	(JPEC's (Over)/Under Recovery	JPEC's Total Recoverable		IPEC's (Over)/Under Recovery for 3rd preceding month
	Month	Expense Month	Month	Big Rivers	for t	he Service Month	JPEC	((Line 11 per Filing)		[from (j)]	[(e) + (h)]	less	(g) for current month)]
1	Aug-19	6.554203%	Sep-19	Oct-19	\$	304,573.08	Nov-19	\$	553,747.52	\$	(88,480.24)	\$ 216,092.84	\$	(88,480.24)
2	Sep-19	6.241229%	Oct-19	Nov-19	\$	239,192.89	Dec-19	\$	329,364.62	\$	12,217.98	\$ 251,410.87	\$	12,217.98
3	Oct-19	5.475009%	Nov-19	Dec-19	\$	230,120.02	Jan-20	\$	321,067.99	\$	51,524.05	\$ 281,644.07	\$	51,524.05
4	Nov-19	7.015561%	Dec-19	Jan-20	\$	296,790.09	Feb-20	\$	163,739.81	\$	52,353.03	\$ 349,143.12	\$	52,353.03
5	Dec-19	4.519155%	Jan-20	Feb-20	\$	192,453.69	Mar-20	\$	315,842.46	\$	(64,431.59)	\$ 128,022.10	\$	(64,431.59)
6	Jan-20	4.263038%	Feb-20	Mar-20	\$	176,449.79	Apr-20	\$	291,661.32	\$	(10,017.25)	\$ 166,432.54	\$	(10,017.25)
7	Feb-20	5.358359%	Mar-20	Apr-20	\$	171,249.61	May-20	\$	345,667.87	\$	3,475.25	\$ 174,724.86	\$	3,475.25
8	Mar-20	4.856935%	Apr-20	May-20	\$	138,734.56	Jun-20	\$	111,868.53	\$	16,153.57	\$ 154,888.13	\$	16,153.57
9	Apr-20	4.562242%	May-20	Jun-20	\$	151,658.12	Jul-20	\$	130,215.46	\$	36,217.08	\$ 187,875.20	\$	36,217.08
10	May-20	5.112257%	Jun-20	Jul-20	\$	218,838.21	Aug-20	\$	155,595.63	\$	19,129.23	\$ 237,967.44	\$	19,129.23
11	Jun-20	7.733649%	Jul-20	Aug-20	\$	381,761.53	Sep-20	\$	197,351.93	\$	(42,463.80)	\$ 339,297.73	\$	(42,463.80)
12	Jul-20	8.377657%	Aug-20	Sep-20	\$	391,466.06	Oct-20	\$	268,536.05	\$	(80,660.85)	\$ 310,805.21	\$	(80,660.85)
13	Aug-20	7.452159%	Sep-20	Oct-20	\$	286,924.90	Nov-20	\$	274,108.72	\$	(36,141.28)	\$ 250,783.62	\$	(36,141.28)
14	Sep-20	4.000315%	Oct-20	Nov-20	\$	116,459.44	Dec-20	\$	285,284.47	\$	54,013.26	\$ 170,472.70	\$	54,013.26
15	Oct-20	5.931942%	Nov-20	Dec-20	\$	199,734.43	Jan-21	\$	234,755.12	\$	76,050.09	\$ 275,784.52	\$	76,050.09
16	Nov-20	6.165956%	Dec-20	Jan-21	\$	246,938.00	Feb-21	\$	213,424.69	\$	37,358.93	\$ 284,296.93	\$	37,358.93
17	Dec-20	8.687741%	Jan-21	Feb-21	\$	356,919.57	Mar-21	\$	189,277.55	\$	(18,804.85)	\$ 338,114.72	\$	(18,804.85)
18	Jan-21	5.723989%	Feb-21	Mar-21	\$	276,239.82	Apr-21	\$	379,034.08	\$	(103,249.56)	\$ 172,990.26	\$	(103,249.56)
19	Feb-21	8.690616%	Mar-21	Apr-21	\$	261,761.49	May-21	\$	298,652.49	\$	(14,355.56)	\$ 247,405.93	\$	(14,355.56)
20	Mar-21	4.624943%	Apr-21	May-21	\$	137,606.96	Jun-21	\$	330,628.26	\$	7,486.46	\$ 145,093.42	\$	7,486.46
21	Apr-21	9.236452%	May-21	Jun-21	\$	318,099.93	Jul-21	\$	114,201.82	\$	58,788.44	\$ 376,888.37	\$	58,788.44
22	May-21	11.100549%	Jun-21	Jul-21	\$	476,138.18	Aug-21	\$	219,836.10	\$	27,569.83	\$ 503,708.01	\$	27,569.83
23	Jun-21	8.884280%	Jul-21	Aug-21	\$	430,754.02	Sep-21	\$	174,839.51	\$	(29,746.09)	\$ 401,007.93	\$	(29,746.09)
24	Jul-21	8.850582%	Aug-21	Sep-21	\$	431,946.26	Oct-21	\$	536,957.89	\$	(160,069.52)	\$ 271,876.74	\$	(160,069.52)
25	Aug-21	10.580650%	Sep-21	Oct-21	\$	422,854.70	Nov-21	\$	562,098.99	\$	(58,390.98)	\$ 364,463.72	\$	(58,390.98)
26	Sep-21	5.871390%	Oct-21	Nov-21	\$	200,315.47	Dec-21	\$	385,030.87	\$	15,977.06	\$ 216,292.53	\$	15,977.06
27	Oct-21	8.268648%	Nov-21	Dec-21	\$	326,585.10	Jan-22	\$	206,925.50	\$	64,951.24	\$ 391,536.34	\$	64,951.24
28	Nov-21	10.017525%	Dec-21	Jan-22	\$	394,901.98	Feb-22	\$	318,981.36	\$	45,482.36	\$ 440,384.34	\$	45,482.36
29	Dec-21	8.757948%	Jan-22	Feb-22	\$	477,803.83	Mar-22	\$	235,700.73	\$	(19,408.20)	\$ 458,395.63	\$	(19,408.20)
30	Jan-22	10.760119%	Feb-22	Mar-22	\$	506,563.45	Apr-22	\$	437,660.10	\$	(46,123.76)	\$ 460,439.69	\$	(46,123.76)
31	Feb-22	5.359796%	Mar-22	Apr-22	\$	238,667.04	May-22	\$	558,059.28	\$	(117,674.94)	\$ 120,992.10	\$	(117,674.94)

Six-Month and Two-Year Environmental Surcharge Review (Case No. 2023-00373) Response to Commission Staff's First Request for Information dated January 17, 2024 Item No. 2 (Attachment 1 of 6)

JACKSON PURCHASE ENERGY CORPORATION (JPEC) NON-DEDICATED DELIVERY POINT CUSTOMERS

NON-DEDICATED DELIVERY POINT CUSTOMERS														
(a) (b) (c) (d) (e) (f) (g) (h)					(h)	(i)		(j)						
	Big Rivers' Expense	ense ES Factor Based on Service by Invoice ES Amount by Customers		(JPEC's (Over)/Under Recovery	JPEC's Total Recoverable		PEC's (Over)/Under Recovery for 3rd preceding month						
	Month	Expense Month	Month	Big Rivers	for th	ne Service Month	JPEC		(Line 11 per Filing)		[from (j)]	[(e) + (h)]	less	(g) for current month)]
32	Mar-22	6.513372%	Apr-22	May-22	\$	233,855.15	Jun-22	\$	367,389.54	\$	91,006.09	\$ 324,861.24	\$	91,006.09
33	Apr-22	4.317053%	May-22	Jun-22	\$	202,427.90	Jul-22	\$	366,164.92	\$	94,274.77	\$ 296,702.67	\$	94,274.77
34	May-22	6.385809%	Jun-22	Jul-22	\$	325,316.22	Aug-22	\$	111,694.83	\$	9,297.27	\$ 334,613.49	\$	9,297.27
35	Jun-22	4.570544%	Jul-22	Aug-22	\$	303,962.25	Sep-22	\$	402,649.70	\$	(77,788.46)	\$ 226,173.79	\$	(77,788.46)
36	Jul-22	4.749388%	Aug-22	Sep-22	\$	293,243.84	Oct-22	\$	401,347.74	\$	(104,645.07)	\$ 188,598.77	\$	(104,645.07)
37	Aug-22	3.063819%	Sep-22	Oct-22	\$	189,384.13	Nov-22	\$	385,997.62	\$	(51,384.13)	\$ 138,000.00	\$	(51,384.13)
38	Sep-22	4.159922%	Oct-22	Nov-22	\$	176,547.85	Dec-22	\$	189,907.47	\$	36,266.32	\$ 212,814.17	\$	36,266.32
39	Oct-22	3.298266%	Nov-22	Dec-22	\$	164,143.84	Jan-23	\$	134,738.99	\$	53,859.78	\$ 218,003.62	\$	53,859.78
40	Nov-22	4.069883%	Dec-22	Jan-23	\$	257,052.95	Feb-23	\$	111,108.53	\$	26,891.47	\$ 283,944.42	\$	26,891.47
41	Dec-22	10.631458%	Jan-23	Feb-23	\$	541,939.52	Mar-23	\$	275,534.94	\$	(62,720.77)	\$ 479,218.75	\$	(62,720.77)
42	Jan-23	5.025463%	Feb-23	Mar-23	\$	209,532.46	Apr-23	\$	270,319.28	\$	(52,315.66)	\$ 157,216.80	\$	(52,315.66)
43	Feb-23	4.676818%	Mar-23	Apr-23	\$	173,551.45	May-23	\$	255,922.58	\$	28,021.84	\$ 201,573.29	\$	28,021.84
44	Mar-23	6.490130%	Apr-23	May-23	\$	197,732.81	Jun-23	\$	399,624.01	\$	79,594.74	\$ 277,327.55	\$	79,594.74
45	Apr-23	6.286363%	May-23	Jun-23	\$	251,339.31	Jul-23	\$	141,733.53	\$	15,483.27	\$ 266,822.58	\$	15,483.27
46	May-23	8.164473%	Jun-23	Jul-23	\$	384,539.92	Aug-23	\$	177,261.03	\$	24,312.26	\$ 408,852.18	\$	24,312.26
47	Jun-23	7.441146%	Jul-23	Aug-23	\$	427,110.88	Sep-23	\$	362,893.36	\$	(85,565.81)	\$ 341,545.07	\$	(85,565.81)
48	Jul-23	7.549316%	Aug-23	Sep-23	\$	411,132.35	Oct-23	\$	339,671.25	\$	(72,848.67)	\$ 338,283.68	\$	(72,848.67)
49	Aug-23	6.587621%	Sep-23	Oct-23	\$	298,035.76	Nov-23	\$	463,857.41	\$	(55,005.23)	\$ 243,030.53	\$	(55,005.23)
50	Sep-23	6.492943%	Oct-23	Nov-23	\$	252,691.08	Dec-23	\$	315,703.00	\$	25,842.07	\$ 278,533.15	\$	25,842.07

Six-Month and Two-Year Environmental Surcharge Review (Case No. 2023-00373) Response to Commission Staff's First Request for Information dated January 17, 2024 Item No. 2 (Attachment 2 of 6)

KENERGY CORP. NON-DEDICATED DELIVERY POINT CUSTOMERS

	(a)	(b)	(c)	(d)		(e)	(f)	(g)	(h)	(i)	(j)
	Big Rivers'	Big Rivers' ES Factor	Big Rivers'	Month Billed	Invo (Scheo	Big Rivers' ice + Kenergy lule 43) Co-Gen		ES Amount Billed to Kenergy's	Kenergy's (Over)/Under	Kenergy's Total	energy's (Over)/Under Recovery
	Expense	Based on	Service	by		S Amount	by	Customers	Recovery	Recoverable	 for 2nd preceding month
	Month	Expense Month	Month	Big Rivers		Service Month	Kenergy	(Line 11 per Filing)	[from (j)]	[(e) + (h)]	s (g) for current month]
1	Aug-19	6.554203%	Sep-19	Oct-19	\$	554,766.97	Nov-19	\$ 600,202.69	\$ · ·	\$ 591,809.25	\$ 37,042.28
2	Sep-19	6.241229%	Oct-19	Nov-19	\$	441,953.87	Dec-19	\$ 626,810.26	\$ /	\$ 501,668.10	\$ 59,714.23
3	Oct-19	5.475009%	Nov-19	Dec-19	\$	429,901.35	Jan-20	\$ 462,273.10	\$. ,	\$ 559,437.50	\$ 129,536.15
4	Nov-19	7.015561%	Dec-19	Jan-20	\$	538,480.65	Feb-20	\$ 600,553.08	\$ (98,884.98)	439,595.67	\$ (98,884.98)
5	Dec-19	4.519155%	Jan-20	Feb-20	\$	349,674.70	Mar-20	\$ 566,219.97	\$ (6,782.47)	342,892.23	\$ (6,782.47)
6	Jan-20	4.263038%	Feb-20	Mar-20	\$	324,519.11	Apr-20	\$ 460,632.65	\$ (21,036.98)	303,482.13	\$ (21,036.98)
7	Feb-20	5.358359%	Mar-20	Apr-20	\$	323,649.60	May-20	\$ 305,306.18	\$ /	\$ 361,235.65	\$ 37,586.05
8	Mar-20	4.856935%	Apr-20	May-20	\$	262,985.73	Jun-20	\$ 244,592.65	\$ 58,889.48	\$ 321,875.21	\$ 58,889.48
9	Apr-20	4.562242%	May-20	Jun-20	\$	277,665.15	Jul-20	\$ 311,133.82	\$ 50,101.83	\$ 327,766.98	\$ 50,101.83
10	May-20	5.112257%	Jun-20	Jul-20	\$	390,103.31	Aug-20	\$ 386,372.68	\$ (64,497.47)	\$ 325,605.84	\$ (64,497.47)
11	Jun-20	7.733649%	Jul-20	Aug-20	\$	678,080.44	Sep-20	\$ 451,351.49	\$ (123,584.51)	\$ 554,495.93	\$ (123,584.51)
12	Jul-20	8.377657%	Aug-20	Sep-20	\$	705,723.84	Oct-20	\$ 377,219.91	\$ (51,614.07)	\$ 654,109.77	\$ (51,614.07)
13	Aug-20	7.452159%	Sep-20	Oct-20	\$	527,631.84	Nov-20	\$ 484,172.47	\$ 70,323.46	\$ 597,955.30	\$ 70,323.46
14	Sep-20	4.000315%	Oct-20	Nov-20	\$	212,661.21	Dec-20	\$ 507,828.80	\$ 146,280.97	\$ 358,942.18	\$ 146,280.97
15	Oct-20	5.931942%	Nov-20	Dec-20	\$	368,440.28	Jan-21	\$ 516,912.13	\$ 81,043.17	\$ 449,483.45	\$ 81,043.17
16	Nov-20	6.165956%	Dec-20	Jan-21	\$	473,923.17	Feb-21	\$ 413,324.31	\$ (54,382.12)	\$ 419,541.05	\$ (54,382.12)
17	Dec-20	8.687741%	Jan-21	Feb-21	\$	666,208.84	Mar-21	\$ 595,650.08	\$ (146,166.63)	\$ 520,042.21	\$ (146,166.63)
18	Jan-21	5.723989%	Feb-21	Mar-21	\$	487,781.01	Apr-21	\$ 460,152.94	\$ (40,611.89)	\$ 447,169.12	\$ (40,611.89)
19	Feb-21	8.690616%	Mar-21	Apr-21	\$	477,317.21	May-21	\$ 469,621.86	\$ 50,420.35	\$ 527,737.56	\$ 50,420.35
20	Mar-21	4.624943%	Apr-21	May-21	\$	252,424.92	Jun-21	\$ 301,554.17	\$ 145,614.94	\$ 398,039.86	\$ 145,614.94
21	Apr-21	9.236452%	May-21	Jun-21	\$	572,639.61	Jul-21	\$ 464,993.47	\$ 62,744.10	\$ 635,383.71	\$ 62,744.10
22	May-21	11.100549%	Jun-21	Jul-21	\$	861,950.53	Aug-21	\$ 466,922.38	\$ (68,882.52)	\$ 793,068.01	\$ (68,882.52)
23	Jun-21	8.884280%	Jul-21	Aug-21	\$	758,349.88	Sep-21	\$ 866,338.96	\$ (230,955.26)	\$ 527,394.62	\$ (230,955.26)
24	Jul-21	8.850582%	Aug-21	Sep-21	\$	780,382.56	Oct-21	\$ 886,791.85	\$ (93,723.83)	\$ 686,658.73	\$ (93,723.83)
25	Aug-21	10.580650%	Sep-21	Oct-21	\$	770,184.09	Nov-21	\$ 523,540.22	\$ 3,854.40	\$ 774,038.49	\$ 3,854.40
26	Sep-21	5.871390%	Oct-21	Nov-21	\$	369,930.96	Dec-21	\$ 537,086.34	\$ 149,572.38	\$ 519,503.34	\$ 149,572.38
27	Oct-21	8.268648%	Nov-21	Dec-21	\$	613,123.41	Jan-22	\$ 696,843.42	\$ 77,195.07	\$ 690,318.48	\$ 77,195.07
28	Nov-21	10.017525%	Dec-21	Jan-22	\$	718,134.46	Feb-22	\$ 570,367.87	\$ (50,864.53)	\$ 667,269.93	\$ (50,864.53)
29	Dec-21	8.757948%	Jan-22	Feb-22	\$	877,485.30	Mar-22	\$ 757,156.18	\$ (66,837.70)	\$ 810,647.60	\$ (66,837.70)
30	Jan-22	10.760119%	Feb-22	Mar-22	\$	917,962.41	Apr-22	\$ 885,795.29	(218,525.36)	\$ 699,437.05	\$ (218,525.36)

Six-Month and Two-Year Environmental Surcharge Review (Case No. 2023-00373) Response to Commission Staff's First Request for Information dated January 17, 2024 Item No. 2 (Attachment 2 of 6)

KENERGY CORP. NON-DEDICATED DELIVERY POINT CUSTOMERS

	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)
ĺ					Big Rivers'					
		Big Rivers'			Invoice + Kenergy		ES Amount	Kenergy's		Kenergy's (Over)/Under
	Big Rivers'	ES Factor	Big Rivers'	Month Billed	(Schedule 43) Co-Ger	Month Billed	Billed to Kenergy's	(Over)/Under	Kenergy's Total	Recovery
	Expense	Based on	Service	by	ES Amount	by	Customers	Recovery	Recoverable	[(i) for 2nd preceding month
	Month	Expense Month	Month	Big Rivers	for the Service Month	Kenergy	(Line 11 per Filing)	[from (j)]	[(e) + (h)]	less (g) for current month]
31	Feb-22	5.359796%	Mar-22	Apr-22	\$ 435,887.41	May-22	\$ 613,134.79	\$ 197,512.81	\$ 633,400.22	\$ 197,512.81
32	Mar-22	6.513372%	Apr-22	May-22	\$ 430,803.51	Jun-22	\$ 569,484.70	\$ 129,952.35	\$ 560,755.86	\$ 129,952.35
33	Apr-22	4.317053%	May-22	Jun-22	\$ 358,803.69	Jul-22	\$ 560,820.70	\$ 72,579.52	\$ 431,383.21	\$ 72,579.52
34	May-22	6.385809%	Jun-22	Jul-22	\$ 573,376.50	Aug-22	\$ 685,211.56	\$ (124,455.70)	\$ 448,920.80	\$ (124,455.70)
35	Jun-22	4.570544%	Jul-22	Aug-22	\$ 537,548.58	Sep-22	\$ 571,906.25	\$ (140,523.04)	\$ 397,025.54	\$ (140,523.04)
36	Jul-22	4.749388%	Aug-22	Sep-22	\$ 523,000.83	Oct-22	\$ 507,130.90	\$ (58,210.10)	\$ 464,790.73	\$ (58,210.10)
37	Aug-22	3.063819%	Sep-22	Oct-22	\$ 337,553.18	Nov-22	\$ 350,642.85	\$ 46,382.69	\$ 383,935.87	\$ 46,382.69
38	Sep-22	4.159922%	Oct-22	Nov-22	\$ 329,572.69	Dec-22	\$ 352,039.21	\$ 112,751.52	\$ 442,324.21	\$ 112,751.52
39	Oct-22	3.298266%	Nov-22	Dec-22	\$ 297,656.48	Jan-23	\$ 320,163.37	\$ 63,772.50	\$ 361,428.98	\$ 63,772.50
40	Nov-22	4.069883%	Dec-22	Jan-23	\$ 469,319.27	Feb-23	\$ 546,193.61	\$ (103,869.40)	\$ 365,449.87	\$ (103,869.40)
41	Dec-22	10.631458%	Jan-23	Feb-23	\$ 977,076.05	Mar-23	\$ 444,504.23	\$ (83,075.25)	\$ 894,000.80	\$ (83,075.25)
42	Jan-23	5.025463%	Feb-23	Mar-23	\$ 378,313.11	Apr-23	\$ 339,599.55	\$ 25,850.32	\$ 404,163.43	\$ 25,850.32
43	Feb-23	4.676818%	Mar-23	Apr-23	\$ 320,110.41	May-23	\$ 712,663.51	\$ 181,337.28	\$ 501,447.70	\$ 181,337.28
44	Mar-23	6.490130%	Apr-23	May-23	\$ 353,839.80	Jun-23	\$ 386,387.08	\$ 17,776.35	\$ 371,616.15	\$ 17,776.35
45	Apr-23	6.286363%	May-23	Jun-23	\$ 436,093.96	Jul-23	\$ 418,090.70	\$ 83,357.00	\$ 519,450.96	\$ 83,357.00
46	May-23	8.164473%	Jun-23	Jul-23	\$ 655,720.62	Aug-23	\$ 446,543.15	\$ (74,927.00)	\$ 580,793.62	\$ (74,927.00)
47	Jun-23	7.441146%	Jul-23	Aug-23	\$ 760,807.77	Sep-23	\$ 642,333.58	\$ (122,882.62)	\$ 637,925.15	\$ (122,882.62)
48	Jul-23	7.549316%	Aug-23	Sep-23	\$ 726,449.87	Oct-23	\$ 688,470.17	\$ (107,676.56)	\$ 618,773.32	\$ (107,676.56)
49	Aug-23	6.587621%	Sep-23	Oct-23	\$ 545,016.08	Nov-23	\$ 603,416.67	\$ 34,508.48	\$ 579,524.56	\$ 34,508.48
50	Sep-23	6.492943%	Oct-23	Nov-23	\$ 454,899.53	Dec-23	\$ 486,170.34	\$ 132,602.98	\$ 587,502.51	\$ 132,602.98

Six-Month and Two-Year Environmental Surcharge Review (Case No. 2023-00373) Response to Commission Staff's First Request for Information dated January 17, 2024 Item No. 2 (Attachment 3 of 6)

MEADE COUNTY RURAL ELECTRIC COOPERATIVE CORPORATION (MCRECC) NON-DEDICATED DELIVERY POINT CUSTOMERS

	(a)	(b)	(c)	(d)	(e	e)	(f)		(g)	(h)		(i)		(j)
	Big Rivers'	Big Rivers' ES Factor	Big Rivers'	Month Billed	Big R	tivers'	Month Billed	В	ES Amount Billed to MCRECC's	MCRECC's (Over)/Under	MC	CRECC's Total	MCR	ECC's (Over)/Under Recovery
	Expense	Based on	Service	by	Invoice ES		by		Customers	Recovery	F	Recoverable	[(i) for	1st preceding month
	Month	Expense Month	Month	Big Rivers	for the Serv	rice Month	MCRECC		(Line 11 per Filing)	[from (j)]		[(e) + (h)]	less (g	g) for current month]
1	Aug-19	6.554203%	Sep-19	Oct-19	\$ 2	04,877.39	Nov-19	\$	304,736.70	\$ 11,079.82	\$	215,957.21	\$	11,079.82
2	Sep-19	6.241229%	Oct-19	Nov-19	\$ 1	69,058.21	Dec-19	\$	171,887.93	\$ 44,069.28	\$	213,127.49	\$	44,069.28
3	Oct-19	5.475009%	Nov-19	Dec-19	\$ 1	97,670.13	Jan-20	\$	286,403.66	\$ (73,276.17)	\$	124,393.96	\$	(73,276.17)
4	Nov-19	7.015561%	Dec-19	Jan-20	\$ 2	55,928.99	Feb-20	\$	129,713.69	\$ (5,319.73)	\$	250,609.26	\$	(5,319.73)
5	Dec-19	4.519155%	Jan-20	Feb-20	\$ 1	58,116.62	Mar-20	\$	246,009.10	\$ 4,600.16	\$	162,716.78	\$	4,600.16
6	Jan-20	4.263038%	Feb-20	Mar-20	\$ 1	50,147.77	Apr-20	\$	162,492.15	\$ 224.63	\$	150,372.40	\$	224.63
7	Feb-20	5.358359%	Mar-20	Apr-20	\$ 1	47,976.81	May-20	\$	122,444.65	\$ 27,927.75	\$	175,904.56	\$	27,927.75
8	Mar-20	4.856935%	Apr-20	May-20		04,625.86	Jun-20	\$	154,032.07	\$ 21,872.49	\$	126,498.35	\$	21,872.49
9	Apr-20	4.562242%	May-20	Jun-20	· ·	10,731.88	Jul-20	\$	126,546.33	\$ (47.98)	\$	110,683.90	\$	(47.98)
10	May-20	5.112257%	Jun-20	Jul-20	\$ 1	48,374.61	Aug-20	\$	133,656.34	\$ (22,972.44)	\$	125,402.17	\$	(22,972.44)
11	Jun-20	7.733649%	Jul-20	Aug-20	\$ 2	58,977.93	Sep-20	\$	148,326.96	\$ (22,924.79)	\$	236,053.14	\$	(22,924.79)
12	Jul-20	8.377657%	Aug-20	Sep-20	· ·	60,030.74	Oct-20	\$	209,272.59	\$ 26,780.55	\$	286,811.29	\$	26,780.55
13	Aug-20	7.452159%	Sep-20	Oct-20	· ·	93,994.73	Nov-20	\$	250,128.30	\$ 36,682.99	\$	230,677.72	\$	36,682.99
14	Sep-20	4.000315%	Oct-20	Nov-20		83,667.25	Dec-20	\$	208,996.23	\$ 21,681.49	\$	105,348.74	\$	21,681.49
15	Oct-20	5.931942%	Nov-20	Dec-20		60,576.50	Jan-21	\$	121,192.88	\$ (15,844.14)	\$	144,732.36	\$	(15,844.14)
16	Nov-20	6.165956%	Dec-20	Jan-21	\$ 2	27,533.76	Feb-21	\$	193,593.66	\$ (48,861.30)	\$	178,672.46	\$	(48,861.30)
17	Dec-20	8.687741%	Jan-21	Feb-21		31,660.40	Mar-21	\$	191,073.75	\$ (12,401.29)	\$	319,259.11	\$	(12,401.29)
18	Jan-21	5.723989%	Feb-21	Mar-21	· ·	21,319.65	Apr-21	\$	342,830.41	\$ (23,571.30)	\$	197,748.35	\$	(23,571.30)
19	Feb-21	8.690616%	Mar-21	Apr-21	\$ 2	22,759.39	May-21	\$	126,403.63	\$ 71,344.72	\$	294,104.11	\$	71,344.72
20	Mar-21	4.624943%	Apr-21	May-21	\$ 1	15,210.13	Jun-21	\$	251,834.87	\$ 42,269.24	\$	157,479.37	\$	42,269.24
21	Apr-21	9.236452%	May-21	Jun-21	\$ 2	21,637.25	Jul-21	\$	156,664.59	\$ 814.78	\$	222,452.03	\$	814.78
22	May-21	11.100549%	Jun-21	Jul-21	\$ 3	33,567.53	Aug-21	\$	274,301.86	\$ (51,849.83)	\$	281,717.70	\$	(51,849.83)
23	Jun-21	8.884280%	Jul-21	Aug-21	\$ 2	91,959.13	Sep-21	\$	309,000.77	\$ (27,283.07)	\$	264,676.06	\$	(27,283.07)
24	Jul-21	8.850582%	Aug-21	Sep-21	\$ 2	95,605.02	Oct-21	\$	268,635.61	\$ (3,959.55)	\$	291,645.47	\$	(3,959.55)
25	Aug-21	10.580650%	Sep-21	Oct-21	\$ 2	82,044.69	Nov-21	\$	242,851.68	\$ 48,793.79	\$	330,838.48	\$	48,793.79
26	Sep-21	5.871390%	Oct-21	Nov-21	\$ 1	36,219.70	Dec-21	\$	303,916.26	\$ 26,922.22	\$	163,141.92	\$	26,922.22
27	Oct-21	8.268648%	Nov-21	Dec-21	\$ 2	92,179.80	Jan-22	\$	205,716.25	\$ (42,574.33)	\$	249,605.47	\$	(42,574.33)
28	Nov-21	10.017525%	Dec-21	Jan-22	\$ 3	39,477.94	Feb-22	\$	250,427.42	\$ (821.95)	\$	338,655.99	\$	(821.95)
29	Dec-21	8.757948%	Jan-22	Feb-22	\$ 4	33,540.85	Mar-22	\$	462,396.88	\$ (123,740.89)	\$	309,799.96	\$	(123,740.89)
30	Jan-22	10.760119%	Feb-22	Mar-22	\$ 4	37,863.35	Apr-22	\$	263,458.37	\$ 46,341.59	\$	484,204.94	\$	46,341.59

Six-Month and Two-Year Environmental Surcharge Review (Case No. 2023-00373) Response to Commission Staff's First Request for Information dated January 17, 2024 Item No. 2 (Attachment 3 of 6)

MEADE COUNTY RURAL ELECTRIC COOPERATIVE CORPORATION (MCRECC) NON-DEDICATED DELIVERY POINT CUSTOMERS

	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)
		Big Rivers'					ES Amount	MCRECC's		MCRECC's (Over)/Under
	Big Rivers'	ES Factor	Big Rivers'	Month Billed	Big Rivers'	Month Billed	Billed to MCRECC's	(Over)/Under	MCRECC's Total	Recovery
	Expense	Based on	Service	by	Invoice ES Amount	by	Customers	Recovery	Recoverable	[(i) for 1st preceding month
		Expense Month	Month	Big Rivers	for the Service Month	MCRECC	(Line 11 per Filing)	[from (j)]	[(e) + (h)]	less (g) for current month]
31	Feb-22	5.359796%	Mar-22	Apr-22	\$ 201,436.67	May-22	\$ 388,792.70	\$ 95,412.24	\$ 296,848.91	\$ 95,412.24
32	Mar-22	6.513372%	Apr-22	May-22	\$ 192,483.77	Jun-22	\$ 266,199.24	\$ 30,649.67	\$ 223,133.44	\$ 30,649.67
33	Apr-22	4.317053%	May-22	Jun-22	\$ 139,441.94	Jul-22	\$ 221,722.31	\$ 1,411.13	\$ 140,853.07	\$ 1,411.13
34	May-22	6.385809%	Jun-22	Jul-22	\$ 222,685.90	Aug-22	\$ 174,628.56	\$ (33,775.49)	\$ 188,910.41	\$ (33,775.49)
35	Jun-22	4.570544%	Jul-22	Aug-22	\$ 207,753.28	Sep-22	\$ 210,648.47	\$ (21,738.06)	\$ 186,015.22	\$ (21,738.06)
36	Jul-22	4.749388%	Aug-22	Sep-22	\$ 200,506.64	Oct-22	\$ 189,708.77	\$ (3,693.55)	\$ 196,813.09	\$ (3,693.55)
37	Aug-22	3.063819%	Sep-22	Oct-22	\$ 125,024.03	Nov-22	\$ 171,789.76	\$ 25,023.33	\$ 150,047.36	\$ 25,023.33
38	Sep-22	4.159922%	Oct-22	Nov-22	\$ 142,330.45	Dec-22	\$ 150,211.87	\$ (164.51)	\$ 142,165.94	\$ (164.51)
39	Oct-22	3.298266%	Nov-22	Dec-22	\$ 138,030.94	Jan-23	\$ 180,466.60	\$ (38,300.66)	\$ 99,730.28	\$ (38,300.66)
40	Nov-22	4.069883%	Dec-22	Jan-23	\$ 233,664.45	Feb-23	\$ 120,595.43	\$ (20,865.15)	\$ 212,799.30	\$ (20,865.15)
41	Dec-22	10.631458%	Jan-23	Feb-23	\$ 445,991.00	Mar-23	\$ 198,118.25	\$ 14,681.05	\$ 460,672.05	\$ 14,681.05
42	Jan-23	5.025463%	Feb-23	Mar-23	\$ 177,927.11	Apr-23	\$ 408,596.48	\$ 52,075.57	\$ 230,002.68	\$ 52,075.57
43	Feb-23	4.676818%	Mar-23	Apr-23	\$ 152,205.37	May-23	\$ 226,658.05	\$ 3,344.63	\$ 155,550.00	\$ 3,344.63
44	Mar-23	6.490130%	Apr-23	May-23	\$ 149,522.16	Jun-23	\$ 123,451.73	\$ 32,098.27	\$ 181,620.43	\$ 32,098.27
45	Apr-23	6.286363%	May-23	Jun-23	\$ 162,357.12	Jul-23	\$ 185,484.09	\$ (3,863.66)	\$ 158,493.46	\$ (3,863.66)
46	May-23	8.164473%	Jun-23	Jul-23	\$ 243,078.82	Aug-23	\$ 178,517.99	\$ (20,024.53)	\$ 223,054.29	\$ (20,024.53)
47	Jun-23	7.441146%	Jul-23	Aug-23	\$ 293,658.53	Sep-23	\$ 270,309.96	\$ (47,255.67)	\$ 246,402.86	\$ (47,255.67)
48	Jul-23	7.549316%	Aug-23	Sep-23	\$ 278,376.63	Oct-23	\$ 240,152.65	\$ 6,250.21	\$ 284,626.84	\$ 6,250.21
49	Aug-23	6.587621%	Sep-23	Oct-23	\$ 204,067.32	Nov-23	\$ 241,747.30	\$ 42,879.54	\$ 246,946.86	\$ 42,879.54
50	Sep-23	6.492943%	Oct-23	Nov-23	\$ 178,482.20	Dec-23	\$ 224,870.58	\$ 22,076.28	\$ 200,558.48	\$ 22,076.28

Six-Month and Two-Year Environmental Surcharge Review (Case No. 2023-00373) Response to Commission Staff's First Request for Information dated January 17, 2024 Item No. 2 (Attachment 4 of 6)

JACKSON PURCHASE ENERGY CORPORATION (JPEC) DEDICATED DELIVERY POINT CUSTOMERS

	(a)	(b)	(c)	(d)	(e)		(f)	(g)		(h)
		Big Rivers' ES				Big Rivers'			JPEC's	Monthly (Over)/Under
	Big Rivers'	Factor Based on	Big Rivers'	Month Billed		Invoice ES Amount	Month Billed	ES Amount Billed		Recovery
	Expense Month	Expense Month	Service Month	by Big Rivers	f	or the Service Month	by JPEC	to JPEC's Customers	[colun	nn (e) less column (g)]
1	Aug-19	6.554203%	Sep-19	Oct-19	\$	101.47	Oct-19	\$ 101.47	\$	-
2	Sep-19	6.241229%	Oct-19	Nov-19	\$	1,649.46	Nov-19	\$ 1,649.46	\$	-
3	Oct-19	5.475009%	Nov-19	Dec-19	\$	85.01	Dec-19	\$ 85.01	\$	-
4	Nov-19	7.015561%	Dec-19	Jan-20	\$	1,612.67	Jan-20	\$ 1,612.67	\$	-
5	Dec-19	4.519155%	Jan-20	Feb-20	\$	70.69	Feb-20	\$ 70.69	\$	-
6	Jan-20	4.263038%	Feb-20	Mar-20	\$	56.55	Mar-20	\$ 56.55	\$	-
7	Feb-20	5.358359%	Mar-20	Apr-20	\$	66.82	Apr-20	\$ 66.82	\$	-
8	Mar-20	4.856935%	Apr-20	May-20	\$	59.11	May-20	\$ 59.11	\$	-
9	Apr-20	4.562242%	May-20	Jun-20	\$	56.28	Jun-20	\$ 56.28	\$	-
10	May-20	5.112257%	Jun-20	Jul-20	\$	65.43	Jul-20	\$ 65.43	\$	-
11	Jun-20	7.733649%	Jul-20	Aug-20	\$	34.67	Aug-20	\$ 34.67	\$	-
12	Jul-20	8.377657%	Aug-20	Sep-20	\$	35.02	Sep-20	\$ 35.02	\$	-
13	Aug-20	7.452159%	Sep-20	Oct-20	\$	27.91	Oct-20	\$ 27.91	\$	-
14	Sep-20	4.000315%	Oct-20	Nov-20	\$	19.01	Nov-20	\$ 19.01	\$	-
15	Oct-20	5.931942%	Nov-20	Dec-20	\$	29.16	Dec-20	\$ 29.16	\$	-
16	Nov-20	6.165956%	Dec-20	Jan-21	\$	48.19	Jan-21	\$ 48.19	\$	-
17	Dec-20	8.687741%	Jan-21	Feb-21	\$	68.43	Feb-21	\$ 68.43	\$	-
18	Jan-21	5.723989%	Feb-21	Mar-21	\$	55.66	Mar-21	\$ 55.66	\$	-
19	Feb-21	8.690616%	Mar-21	Apr-21	\$	53.15	Apr-21	\$ 53.15	\$	-
20	Mar-21	4.624943%	Apr-21	May-21	\$	30.69	May-21	\$ 30.69	\$	-
21	Apr-21	9.236452%	May-21	Jun-21	\$	55.00	Jun-21	\$ 55.00	\$	-
22	May-21	11.100549%	Jun-21	Jul-21	\$	69.22	Jul-21	\$ 69.22	\$	-
23	Jun-21	8.884280%	Jul-21	Aug-21	\$	50.22	Aug-21	\$ 50.22	\$	-
24	Jul-21	8.850582%	Aug-21	Sep-21	\$	63.72	Sep-21	\$ 63.72	\$	-
25	Aug-21	10.580650%	Sep-21	Oct-21	\$	55.04	Oct-21	\$ 55.04	\$	-
26	Sep-21	5.871390%	Oct-21	Nov-21	\$	29.68	Nov-21	\$ 29.68	\$	-
27	Oct-21	8.268648%	Nov-21	Dec-21	\$	47.60	Dec-21	\$ 47.60	\$	-
28	Nov-21	10.017525%	Dec-21	Jan-22	\$	58.00	Jan-22	\$ 58.00	\$	-
29	Dec-21	8.757948%	Jan-22	Feb-22	\$	80.92	Feb-22	\$ 80.92	\$	-
30	Jan-22	10.760119%	Feb-22	Mar-22	\$	4,782.03	Mar-22	\$ 4,782.03	\$	-
31	Feb-22	5.359796%	Mar-22	Apr-22	\$	2,994.28	Apr-22	\$ 2,994.28	\$	-

Case No. 2023-00373 Attachment (4 of 6) for Response to Staff Item 2 Witness: Christopher A. Warren Page 1 of 2

Six-Month and Two-Year Environmental Surcharge Review (Case No. 2023-00373) Response to Commission Staff's First Request for Information dated January 17, 2024 Item No. 2 (Attachment 4 of 6)

JACKSON PURCHASE ENERGY CORPORATION (JPEC) DEDICATED DELIVERY POINT CUSTOMERS (a) (b) (c) (d) (e) (f) (g) (b)

	(a)	(b)	(c)	(d)		(e)	(f)		(g)	(h)
		Big Rivers' ES				Big Rivers'				JPEC's Monthly (Over)/Under
	Big Rivers'	Factor Based on	Big Rivers'	Month Billed	I	Invoice ES Amount	Month Billed		ES Amount Billed	Recovery
	Expense Month	Expense Month	Service Month	by Big Rivers	fo	or the Service Month	by JPEC		to JPEC's Customers	[column (e) less column (g)]
32	Mar-22	6.513372%	Apr-22	May-22	\$	3,340.75	May-22	\$	3,340.75	\$ -
33	Apr-22	4.317053%	May-22	Jun-22	\$	2,370.48	Jun-22	\$	2,370.48	\$ -
34	May-22	6.385809%	Jun-22	Jul-22	\$	17,898.21	Jul-22	\$	17,898.21	\$ -
35	Jun-22	4.570544%	Jul-22	Aug-22	\$	16,830.95	Aug-22	\$	16,830.95	\$ -
36	Jul-22	4.749388%	Aug-22	Sep-22	\$	17,861.83	Sep-22	\$	17,861.83	\$ -
37	Aug-22	3.063819%	Sep-22	Oct-22	\$	13,870.43	Oct-22	\$	13,870.43	\$ -
38	Sep-22	4.159922%	Oct-22	Nov-22	\$	18,269.67	Nov-22	\$	18,269.67	\$ -
39	Oct-22	3.298266%	Nov-22	Dec-22	\$	12,954.16	Dec-22	\$	12,954.16	\$ -
40	Nov-22	4.069883%	Dec-22	Jan-23	\$	15,700.89	Jan-23	\$	15,700.89	\$ -
41	Dec-22	10.631458%	Jan-23	Feb-23	\$	37,214.26	Feb-23	\$	37,214.26	\$ -
42	Jan-23	5.025463%	Feb-23	Mar-23	\$	14,533.20	Mar-23	\$	14,533.20	\$ -
43	Feb-23	4.676818%	Mar-23	Apr-23	\$	13,101.78	Apr-23	\$	13,101.78	\$ -
44	Mar-23	6.490130%	Apr-23	May-23	\$	20,066.34	May-23	\$	20,066.34	\$ -
45	Apr-23	6.286363%	May-23	Jun-23	\$	20,408.43	Jun-23	\$	20,408.43	\$ -
46	May-23	8.164473%	Jun-23	Jul-23	\$	26,357.60	Jul-23	\$	26,357.60	\$ -
47	Jun-23	7.441146%	Jul-23	Aug-23	\$	25,546.94	Aug-23	\$	25,546.94	\$ -
48	Jul-23	7.549316%	Aug-23	Sep-23	\$	20,969.30	Sep-23	\$	20,969.30	\$ -
49	Aug-23	6.587621%	Sep-23	Oct-23	\$	26,061.51	Oct-23	\$	26,061.51	\$ -
50	Sep-23	6.492943%	Oct-23	Nov-23	\$	26,052.28	Nov-23	\$	26,052.28	\$ -
			I .		1					

Six-Month and Two-Year Environmental Surcharge Review (Case No. 2023-00373) Response to Commission Staff's First Request for Information dated January 17, 2024 Item No. 2 (Attachment 5 of 6)

KENERGY CORP. DEDICATED DELIVERY POINT CUSTOMERS

	(a)	(b)	(c)	(d)	(e)		(f)	(g)	(h)
		Big Rivers' ES				Big Rivers'			Kenergy's Monthly
	Big Rivers'	Factor Based on	Big Rivers'	Month Billed]	Invoice ES Amount	Month Billed	ES Amount Billed	(Over)/Under Recovery
	Expense Month	Expense Month	Service Month	by Big Rivers		or the Service Month	by Kenergy	Kenergy's Customers	[column (e) less column (g)]
1	Aug-19	6.554203%	Sep-19	Oct-19	\$	304,990.96	Oct-19	\$ 304,990.96	\$ -
2	Sep-19	6.241229%	Oct-19	Nov-19	\$	289,705.84	Nov-19	\$ 289,705.84	\$ -
3	Oct-19	5.475009%	Nov-19	Dec-19	\$	256,655.74	Dec-19	\$ 256,655.74	\$ -
4	Nov-19	7.015561%	Dec-19	Jan-20	\$	323,203.69	Jan-20	\$ 323,203.69	\$ -
5	Dec-19	4.519155%	Jan-20	Feb-20	\$	212,994.86	Feb-20	\$ 212,994.86	\$ -
6	Jan-20	4.263038%	Feb-20	Mar-20	\$	188,460.75	Mar-20	\$ 188,460.75	\$ -
7	Feb-20	5.358359%	Mar-20	Apr-20	\$	232,488.57	Apr-20	\$ 232,488.57	\$ -
8	Mar-20	4.856935%	Apr-20	May-20	\$	184,886.99	May-20	\$ 184,886.99	\$ -
9	Apr-20	4.562242%	May-20	Jun-20	\$	168,768.44	Jun-20	\$ 168,768.44	\$ -
10	May-20	5.112257%	Jun-20	Jul-20	\$	207,361.40	Jul-20	\$ 207,361.40	\$ -
11	Jun-20	7.733649%	Jul-20	Aug-20	\$	301,295.46	Aug-20	\$ 301,295.46	\$ -
12	Jul-20	8.377657%	Aug-20	Sep-20	\$	331,064.66	Sep-20	\$ 331,064.66	\$ -
13	Aug-20	7.452159%	Sep-20	Oct-20	\$	306,589.52	Oct-20	\$ 306,589.52	\$ -
14	Sep-20	4.000315%	Oct-20	Nov-20	\$	165,696.46	Nov-20	\$ 165,696.46	\$ -
15	Oct-20	5.931942%	Nov-20	Dec-20	\$	236,434.75	Dec-20	\$ 236,434.75	\$ -
16	Nov-20	6.165956%	Dec-20	Jan-21	\$	245,937.07	Jan-21	\$ 245,937.07	\$ -
17	Dec-20	8.687741%	Jan-21	Feb-21	\$	354,988.96	Feb-21	\$ 354,988.96	\$ -
18	Jan-21	5.723989%	Feb-21	Mar-21	\$	220,815.66	Mar-21	\$ 220,815.66	\$ -
19	Feb-21	8.690616%	Mar-21	Apr-21	\$	314,938.65	Apr-21	\$ 314,938.65	\$ -
20	Mar-21	4.624943%	Apr-21	May-21	\$	186,536.76	May-21	\$ 186,536.76	\$ -
21	Apr-21	9.236452%	May-21	Jun-21	\$	364,447.87	Jun-21	\$ 364,447.87	\$ -
22	May-21	11.100549%	Jun-21	Jul-21	\$	426,323.53	Jul-21	\$ 426,323.53	\$ -
23	Jun-21	8.884280%	Jul-21	Aug-21	\$	333,702.14	Aug-21	\$ 333,702.14	\$ -
24	Jul-21	8.850582%	Aug-21	Sep-21	\$	335,092.55	Sep-21	\$ 335,092.55	\$ -
25	Aug-21	10.580650%	Sep-21	Oct-21	\$	388,555.48	Oct-21	\$ 388,555.48	\$ -
26	Sep-21	5.871390%	Oct-21	Nov-21	\$	211,342.34	Nov-21	\$ 211,342.34	\$ -
27	Oct-21	8.268648%	Nov-21	Dec-21	\$	314,896.50	Dec-21	\$ 314,896.50	\$ -
28	Nov-21	10.017525%	Dec-21	Jan-22	\$	398,673.47	Jan-22	\$ 398,673.47	\$ -
29	Dec-21	8.757948%	Jan-22	Feb-22	\$	382,233.65	Feb-22	\$ 382,233.65	\$ -
30	Jan-22	10.760119%	Feb-22	Mar-22	\$	433,655.91	Mar-22	\$ 433,655.91	\$ -
31	Feb-22	5.359796%	Mar-22	Apr-22	\$	248,256.96	Apr-22	\$ 248,256.96	\$ -

Case No. 2023-00373 Attachment (5 of 6) for Response to Staff Item 2 Witness: Christopher A. Warren Page 1 of 2

Six-Month and Two-Year Environmental Surcharge Review (Case No. 2023-00373) Response to Commission Staff's First Request for Information dated January 17, 2024 Item No. 2 (Attachment 5 of 6)

KENERGY CORP. DEDICATED DELIVERY POINT CUSTOMERS (a) (b) (c) (f) (g) (h) (d) (e)

	(u)	(0)	(6)	(u)		(6)	(1)		(5)	(11)
	D: D: 1	Big Rivers' ES	D. D. 1	M 4 D'II 1		Big Rivers'	M 4 D'II 1		EGA (PIII.1	Kenergy's Monthly
	Big Rivers'	Factor Based on	Big Rivers'	Month Billed		rvoice ES Amount	Month Billed		ES Amount Billed	(Over)/Under Recovery
	Expense Month	Expense Month	Service Month	by Big Rivers	+		by Kenergy	to	Kenergy's Customers	[column (e) less column (g)]
32	Mar-22	6.513372%	Apr-22	May-22	\$	292,053.07	May-22	\$	292,053.07	\$ -
33	Apr-22	4.317053%	May-22	Jun-22	\$	210,705.58	Jun-22	\$	210,705.58	\$ -
34	May-22	6.385809%	Jun-22	Jul-22	\$	264,782.69	Jul-22	\$	264,782.69	\$
35	Jun-22	4.570544%	Jul-22	Aug-22	\$	271,316.68	Aug-22	\$	271,316.68	\$
36	Jul-22	4.749388%	Aug-22	Sep-22	\$	278,415.03	Sep-22	\$	278,415.03	\$
37	Aug-22	3.063819%	Sep-22	Oct-22	\$	201,535.04	Oct-22	\$	201,535.04	\$
38	Sep-22	4.159922%	Oct-22	Nov-22	\$	268,056.40	Nov-22	\$	268,056.40	\$ -
39	Oct-22	3.298266%	Nov-22	Dec-22	\$	181,900.68	Dec-22	\$	181,900.68	\$
40	Nov-22	4.069883%	Dec-22	Jan-23	\$	232,942.01	Jan-23	\$	232,942.01	\$ -
41	Dec-22	10.631458%	Jan-23	Feb-23	\$	579,125.26	Feb-23	\$	579,125.26	\$ -
42	Jan-23	5.025463%	Feb-23	Mar-23	\$	223,693.16	Mar-23	\$	223,693.16	\$ -
43	Feb-23	4.676818%	Mar-23	Apr-23	\$	207,798.77	Apr-23	\$	207,798.77	\$ -
44	Mar-23	6.490130%	Apr-23	May-23	\$	290,679.06	May-23	\$	290,679.06	\$ -
45	Apr-23	6.286363%	May-23	Jun-23	\$	292,229.28	Jun-23	\$	292,229.28	\$ -
46	May-23	8.164473%	Jun-23	Jul-23	\$	377,514.75	Jul-23	\$	377,514.75	\$ -
47	Jun-23	7.441146%	Jul-23	Aug-23	\$	374,941.88	Aug-23	\$	374,941.88	\$ -
48	Jul-23	7.549316%	Aug-23	Sep-23	\$	381,749.76	Sep-23	\$	381,749.76	\$ -
49	Aug-23	6.587621%	Sep-23	Oct-23	\$	333,658.03	Oct-23	\$	333,658.03	\$ -
50	Sep-23	6.492943%	Oct-23	Nov-23	\$	326,288.73	Nov-23	\$	326,288.73	\$ -
	1									

Six-Month and Two-Year Environmental Surcharge Review (Case No. 2023-00373) Response to Commission Staff's First Request for Information dated January 17, 2024 Item No. 2 (Attachment 6 of 6)

MEADE COUNTY RURAL ELECTRIC COOPERATIVE CORPORATION (MCRECC) DEDICATED DELIVERY POINT CUSTOMERS (b) (d) (h) (a) (c) (f) (g) (e) Big Rivers' ES ES Amount Billed Meade County's Monthly Big Rivers' Big Rivers' Factor Based on Big Rivers' Month Billed Invoice ES Amount Month Billed to Meade County's (Over)/Under Recovery Expense Month Expense Month Service Month by Big Rivers for the Service Month by Meade County Customers [column (e) less column (g)] Aug-19 Sep-19 2 \$ Sep-19 Oct-19 \$ Oct-19 Nov-19 Nov-19 Dec-19 \$ 5 Dec-19 Jan-20 \$ 6 Feb-20 \$ Jan-20 7 Feb-20 Mar-20 8 Mar-20 Apr-20 \$ 9 Apr-20 May-20 \$ 10 May-20 Jun-20 \$ 11 Jun-20 Jul-20 \$ 12 Jul-20 Aug-20 \$ 13 Aug-20 Sep-20 \$ 14 Sep-20 Oct-20 \$ 15 Oct-20 Nov-20 \$ 16 Nov-20 Dec-20 \$ \$ 17 Dec-20 Jan-21 18 Feb-21 \$ Jan-21 19 \$ Feb-21 Mar-21 20 Mar-21 \$ Apr-21 21 \$ Apr-21 May-21 22 May-21 Jun-21 \$ 23 Jun-21 \$ Jul-21 24 Jul-21 Aug-21 \$ 25 \$ Aug-21 Sep-21 26 \$ Sep-21 Oct-21 27 \$ Oct-21 Nov-21 28 \$ Nov-21 Dec-21 29 \$ Dec-21 Jan-22 30 Jan-22 Feb-22 \$

Case No. 2023-00373 Attachment (6 of 6) for Response to Staff Item 2 Witness: Christopher A. Warren Page 1 of 2

Mar-22

31

Feb-22

Six-Month and Two-Year Environmental Surcharge Review (Case No. 2023-00373) Response to Commission Staff's First Request for Information dated January 17, 2024 Item No. 2 (Attachment 6 of 6)

			N	IEADE COUNT	Y RU	RAL ELECTRIC COC	OPERATIVE CORI	PO	RATION (MCRECC)							
		DEDICATED DELIVERY POINT CUSTOMERS														
	(a)	(b)	(c)	(d)		(e)	(f)		(g)	(h)						
		Big Rivers' ES				Big Rivers'			ES Amount Billed	Meade County's Monthly						
	Big Rivers'	Factor Based on	Big Rivers'	Month Billed		rvoice ES Amount	Month Billed		to Meade County's	(Over)/Under Recovery						
	Expense Month	Expense Month	Service Month	by Big Rivers	for	the Service Month	by Meade County		Customers	[column (e) less column (g)]						
32	Mar-22		Apr-22		\$	-		S		\$						
33	Apr-22		May-22		\$	-		8	-	\$						
34	May-22		Jun-22		\$	-		5		\$ -						
35	Jun-22		Jul-22		\$	-		8	-	\$ -						
36	Jul-22	4.749388%	Aug-22	Sep-22	\$	2,808.50	Sep-22	\$	2,808.50	\$						
37	Aug-22	3.063819%	Sep-22	Oct-22	\$	19,319.26	Oct-22	\$	19,319.26	\$ -						
38	Sep-22	4.159922%	Oct-22	Nov-22	\$	2,396.14	Nov-22	\$	2,396.14	\$						
39	Oct-22	3.298266%	Nov-22	Dec-22	\$	18,061.49	Dec-22	\$	18,061.49	\$ -						
40	Nov-22	4.069883%	Dec-22	Jan-23	\$	3,402.35	Jan-23	\$	3,402.35	\$ -						
41	Dec-22		Jan-23		\$	-		\$	-	S -						
42	Jan-23		Feb-23		\$	-		\$	-	5 -						
43	Feb-23		Mar-23		\$	-		\$	-	\$ -						
44	Mar-23		Apr-23		\$	-		\$	-	S -						
45	Apr-23		May-23		\$	-		\$	-	S -						
46	May-23		Jun-23		\$	-		\$	-	\$ -						
47	Jun-23		Jul-23		\$	-		\$	-	S -						
48	Jul-23		Aug-23		\$	-		\$	-	S -						
49	Aug-23		Sep-23		\$	-		\$	-	S -						
50	Sep-23		Oct-23		\$	-		\$	-	\$ -						

ELECTRONIC EXAMINATION BY THE PUBLIC SERVICE COMMISSION OF THE ENVIRONMENTAL SURCHARGE MECHANISM OF BIG RIVERS ELECTRIC CORPORATION FOR THE SIX-MONTH BILLING PERIODS ENDING JANUARY 31, 2020, JULY 31, 2020, JANUARY 31, 2021, JANUARY 31, 2022, JULY 31, 2022, AND JANUARY 31, 2023, THE TWO-YEAR EXPENSE PERIODS ENDING JULY 31, 2021, AND JULY 31, 2023, AND THE PASS THROUGH MECHANISM OF ITS THREE MEMBER DISTRIBUTION COOPERATIVES CASE NO. 2023-00373

RESPONSE OF BIG RIVERS ELECTRIC CORPORATION TO COMMISSION STAFF'S FIRST REQUEST FOR INFORMATION DATED DECEMBER 8, 2023

January 17, 2024

Item 3) This request is addressed to BREC. Refer to ES Form 2.50, Operating and Maintenance Expenses, for the six-month review periods and the last six expense months in the two-year review periods. For each of the expense line items listed on this schedule, explain the reason(s) for any change in the expense levels from month to month if that change is greater than plus or minus 10 percent.

Response) Please see the attachment to this response for a schedule for the monthly Operating and Maintenance ("O&M") expenses from Form 2.50 and the requested variance explanations for the review periods.

Witnesses: Christopher A. Warren (Schedule of O&M Expenses) and

Jeffrey S. Brown (Reasons(s) for Changes in Expense Levels)

Case No. 2023-00373 Response to Staff Item 3

Witnesses: Christopher A. Warren and Jeffrey S. Brown

Page **1** of **1**

Form 2.50 - Operating and Maintenance Expense Analysis June 2019 - November 2019

NOx Plan:													
			Jun-19 vs.		Jul-19 vs.		Aug-19 vs.		Sep-19 vs.		Oct-19 vs.		Nov-19 vs.
			May-19		Jun-19		Jul-19		Aug-19		Sep-19		Oct-19
Expense Month	May-19	Jun-19	% Change	Jul-19	% Change	Aug-19	% Change	Sep-19	% Change	Oct-19	% Change	Nov-19	% Change
NOx Plan													
Anhydrous Ammonia	\$ 1,004	\$ 53,255	5204%	\$ 55,699	5%	\$ 30,411	-45%	\$ 52,930	74%	\$ 23,938	-55%	\$ 15,948	-33%
Emulsified Sulphur for NOx		-	Note 1		Note 1	<u> </u>	Note 1		Note 1		Note 1	Τ	Note 1
Total NOx Plan O&M Expenses	\$ 1,004	\$ 53,255	5204%	\$ 55,699	5%	\$ 30,411	-45%	\$ 52,930	74%	\$ 23,938	-55%	\$ 15,948	-33%
GO2 Plan:				T [Т		T	1	
			Jun-19 vs.	1	Jul-19 vs.	ļ	Aug-19 vs.		Sep-19 vs.		Oct-19 vs.		Nov-19 vs.
	i [May-19	1	Jun-19		Jul-19	'	Aug-19		Sep-19		Oct-19
Expense Month	May-19	Jun-19	% Change	Jul-19	% Change	Aug-19	% Change	Sep-19	% Change	Oct-19	% Change	Nov-19	% Change
SO2 Plan Expenses:	,												
Bisposar Tijasii Bottom Tishi Bidage (11ote 2)	\$ 517,652	\$ 528,227	2%	\$ 565,457	7%	\$ 233,049	-59%	\$ 534,380		\$ 492,868	-8%	\$ 478,424	-3%
Fixation Lime	115,715	102,809	-11%	134,822	31%	171,339	27%	71,526	-58%	63,646	-11%	45,106	-29%
Reagent-Limestone	184,108	156,078	-15%	194,446	25%	143,358	-26%	185,484	29%	97,297	-48%	223,495	130%
Reagent-Lime	826,985	789,247	-5%	818,288	4%	661,422	-19%	484,642	-27%	398,561	-18%	388,240	-3%
Emulsified Sulphur for SO2	32,798	19,888	-39%	32,256	62%	20,706	-36%	(7,684)	-137%	19,335	352%	19,271	0%
Reagent-DiBasic Acid	107,395	88,762	-17%	90,424	2%	62,211	-31%	75,832	22%	46,377	-39%	75,194	62%
Reagent-Sodium BiSulfite for SO2	51,454	38,971	-24%	32,370	-17%	33,473	3%	75,431	125%	48,527	-36%	114,890	137%
Total S02 Plan O&M Expenses	\$ 1,836,107	\$ 1,723,982	-6%	\$ 1,868,063	8%	\$ 1,325,558	-29%	\$ 1,419,611	7%	\$ 1,166,611	-18%	\$ 1,344,620	15%
	_	_	_	_	_	_	_	_	_	_	_	_	_
SO3 Plan:	, ,						т		т		т	-,	
			Jun-19 vs.		Jul-19 vs.		Aug-19 vs.		Sep-19 vs. Aug-	-	Oct-19 vs.		Nov-19 vs
	i l		May-19		Jun-19		Jul-19		19		Sep-19		Oct-19
Expense Month	May-19	Jun-19	% Change	Jul-19	% Change	Aug-19	% Change	Sep-19	% Change	Oct-19	% Change	Nov-19	% Chang
SO3 Plan Expenses:	,												
Hydrated Lime - SO3	\$ -	\$ -	Note 1	\$ -	Note 1	\$ -	Note 1						

Case No. 2023-00373

Total S03 Plan O&M Expenses

Attachment for Response to Staff Item 3

Witnesses: Christopher A. Warren (Schedules of O and M Expenses) and

Jeffrey S. Brown (Reason(s) for Changes in Expense Levels)

Form 2.50 - Operating and Maintenance Expense Analysis June 2019 - November 2019

2012 Plan:

					Jun-19 vs. May-19			Jul-19 vs. Jun-19			Aug-19 vs. Jul-19			Sep-19 vs. Aug- 19		Oct-19 vs. Sep-19		Nov-19 vs. Oct-19
Expense Month]	May-19		Jun-19	% Change		Jul-19	% Change		Aug-19	% Change		Sep-19	% Change	Oct-19	% Change	Nov-19	% Change
2012 Plan Expenses:																		
Project 9 - Wilson Hg	\$	51,159	\$	91,997	80%	\$	55,010	-40%	\$	84,084	53%	\$	69,663	-17%	\$ 36,459	-48%	\$ 54,052	48%
Project 10 - Green Hg		358,490		413,902	15%		451,999	9%		332,814	-26%		221,285	-34%	183,910	-17%	234,062	27%
Project 11 - HMP&L Hg		-		-	Note 1	-	Note 1	-	Note 1									
Total 2012 Plan	\$	409,649	\$	505,899	23%	\$	507,009	0%	\$	416,898	-18%	\$	290,948	-30%	\$ 220,369	-24%	\$ 288,114	31%

Total \$ 2,246,760 \$ 2,283,136 \$ 2,430,771 \$ 1,772,867 \$ 1,763,489 \$ 1,410,918 \$ 1,648,682

Note 1: Percentage change not calculated because the cost incurred during the prior expense month was \$0.

Note 2: The monthly totals for Disposal Bottom Ash, Disposal Flyash and Disposal Flyash/Bottom Ash/Sludge have been consolidated due to similarity to better facilitate comparability.

Case No. 2023-00373

Attachment for Response to Staff Item 3

Witnesses: Christopher A. Warren (Schedules of O and M Expenses) and

Jeffrey S. Brown (Reason(s) for Changes in Expense Levels)

Form 2.50 - Operating and Maintenance Expense Analysis June 2019 - November 2019

Variance Explanations:

Anhydrous Ammonia:

Jun-19 vs. May-19	5204%	The increase is due a shift of inventory to Wilson, due to the retirement of Station Two.
Aug-19 vs. Jul-19	-45%	The decrease is due to decreased generation at Wilson in August compared to July, due to Forced Outage in August.
Sep-19 vs. Aug-19	74%	Th increase is due to increased generation at Wilson in September compared to August, due to Forced Outage in August.
Oct-19 vs. Sep-19	-55%	The decrease is due to decreased generation at Wilson in October compared to September, due to Forced Outage in October.
Nov-19 vs. Oct-19	-33%	The decrease is due to the timing of product delivery and invoicing at Wilson.

Disposal-Flyash/Bottom Ash/Sludge:

Aug-19 vs. Jul-19	-59%	The decrease is due to decreased generation at Green Station in August compared to July.
Sep-19 vs. Aug-19	129%	The increase is due the to the timing of landfill operating costs for Green Station and the increased generation at Wilson in September compared to August, due to Forced Outage in
		August.

Fixation Lime:

Jun-19 vs. May-19	-11%	The decrease is due to decreased generation at Green Station in June compared to May.
Jul-19 vs. Jun-19	31%	The increase is due to increased generation at Green Station in July compared to June.
Aug-19 vs. Jul-19	27%	The increase is due to the timing of invoices for Green Station.
Sep-19 vs. Aug-19	-58%	The decrease is due to decreased generation at Green Station in September compared to August.
Oct-19 vs. Sep-19	-11%	The decrease is due to decreased generation at Green Station in October compared to September.
Nov-19 vs. Oct-19	-29%	The decrease is due to the timing of invoices for Green Station.

Reagent-Limestone:

Jun-19 vs. May-19	-15%	The decrease is due to the timing of product delivery and invoicing for Wilson.
Jul-19 vs. Jun-19	25%	The increase is due to the timing of product delivery and invoicing for Wilson.
Aug-19 vs. Jul-19	-26%	The decrease is due to decreased generation at Wilson in August compared to July, due to Forced Outage in August.
Sep-19 vs. Aug-19	29%	The increase is due to increased generaton at Wilson in September compared to August, due to Forced Outage in August.
Oct-19 vs. Sep-19	-48%	The decrease is due to decreased generation at Wilson in October compared to September, due to Forced Outage in October.
Nov-19 vs. Oct-19	130%	The increase is due to the increased generation at Wilson in November compared to October.

Case No. 2023-00373

Attachment for Response to Staff Item 3

Form 2.50 - Operating and Maintenance Expense Analysis June 2019 - November 2019

Reagent-Lime:

Aug-19 vs. Jul-19	-19%	The decrease is due to decreased generation at Green Station in August compared to July.
Sep-19 vs. Aug-19	-27%	The decrease is due to decreased generation at Green Station in September compared to August.
Oct-19 vs. Sep-19	-18%	The decrease is due to decreased generation at Green Station in October compared to September.

Emulsified Sulfur for SO2:

Jun-19 vs. May-19	-39%	The decrease is due to decreased generation at Green Station in June compared to May.
Jul-19 vs. Jun-19	62%	The increase is due to increased generaton at Green Station in July compared to June.
Aug-19 vs. Jul-19	-36%	The decrease is due to decreased generation at Green Station in August compared to July.
Sep-19 vs. Aug-19	-137%	The decrease is due to decreased generation at Green Station in September compared to August.
Oct-19 vs. Sep-19	352%	The increase is due the timing of invoicing for Green Station.

Reagent-Dibasic Acid:

Jun-19 vs. May-19	-17%	The decrease is due to the timing of product delivery and invoicing for Wilson.
Aug-19 vs. Jul-19	-31%	The decrease is due to decreased generation at Wilson in August compared to July, due to Forced Outage in August.
Sep-19 vs. Aug-19	22%	The increase is due to increased geneation at Wilson in September compared to August.
Oct-19 vs. Sep-19	-39%	The decrease is due to decreased generation at Wilson in October compared to September, due to Forced Outage in October.
Nov-19 vs. Oct-19	62%	The increase is due to increased generation at Wilson in November compared to October.

Reagent-Sodium BiSulfite for SO2:

Jun-19 vs. May-19	-24%	The decrease is due to decreased generation at Green Station in June compared to May.
Jul-19 vs. Jun-19	-17%	The decrease is due to decreased generation at Green Station in July compared to June and the timing of product delivery and invoicing at Wilson.
Sep-19 vs. Aug-19		The increase is due to timing of product delivery and invoicing at Green Station. Sodium BiSulfite was purchased on as needed basis in bulk loads during start-up to help the flue gas desulfurization ("FGD") chemistry at Green Station.
Oct-19 vs. Sep-19		The decrease is due to decreased generation at Green Staton in October compared to September and decreased generation at Wilson in October compared to September, due to Forced Outage in October.
Nov-19 vs. Oct-19	137%	The increase is due to increased generation at Wilson in November compared to October, due to Forced Outage in October and the timing of product delivery and invoicing for Green Station.

Case No. 2023-00373

Attachment for Response to Staff Item 3

Form 2.50 - Operating and Maintenance Expense Analysis June 2019 - November 2019

Project 9 - Wilson Hg

Jun-19 vs. May-19	80%	The increase is due to the timing of product delivery and operational needs for hydrated lime.
Jul-19 vs. Jun-19	-40%	The decrease is due to allowing the silo to run low in July to make repairs.
Aug-19 vs. Jul-19	53%	The increase is due to refilling the silo after repairs.
Sep-19 vs. Aug-19	-17%	The decrease is due to the timing of product delivery and invoicing.
Oct-19 vs. Sep-19	-48%	The decrease is due to allowing the silo to run low in October to make repairs.
Nov-19 vs. Oct-19	48%	The increase is due to refilling the silo after repairs.

Project 10 - Green Hg

Jun-19 vs. May-19	15%	The increase is due to the timing of invoices.
Aug-19 vs. Jul-19	-26%	The decrease is due to decreased generation in August compared to July.
Sep-19 vs. Aug-19	-34%	The decrease is due to decreased generation in September compared to August.
Oct-19 vs. Sep-19	-17%	The decrease is due to decreased generation in October compared to September.
Nov-19 vs. Oct-19	27%	The increase is due to the timing of invoices.

Case No. 2023-00373

Attachment for Response to Staff Item 3

Witnesses: Christopher A. Warren (Schedules of O and M Expenses) and

Jeffrey S. Brown (Reason(s) for Changes in Expense Levels)

Form 2.50 - Operating and Maintenance Expense Analysis December 2019 - May 2020

NOx Plan:													
			Dec-19 vs. Nov-19		Jan-20 vs. Dec-19		Feb-20 vs. Jan-20		Mar-20 vs. Feb-20		Apr-20 vs. Mar-20		May-20 vs. Apr-20
Expense Month	Nov-19	Dec-19	% Change	Jan-20	% Change	Feb-20	% Change	Mar-20	% Change	Apr-20	% Change	May-20	% Change
Ox Plan		•			_					•			
Anhydrous Ammonia	\$ 15,948	\$ 25,285	59%	\$ 48,314	91%	\$ 7,566	-84%	\$ 30,550	304%	\$ 8,292	-73%	\$ 24,404	194%
Emulsified Sulphur for NOx	-	-	Note 1	-	Note 1	-	Note 1	-	Note 1	-	Note 1	-	Note 1
Total NOx Plan O&M Expenses	\$ 15,948	\$ 25,285	59%	\$ 48,314	91%	\$ 7,566	-84%	\$ 30,550	304%	\$ 8,292	-73%	\$ 24,404	194%
O2 Bl													
O2 Plan:			Dec-19 vs.		Jan-20 vs.		Feb-20 vs.	1	Mar-20 vs.		Apr-20 vs.		May-20 vs.
			Nov-19		Dec-19		Jan-20		Feb-20		Mar-20 vs.		Apr-20 vs.
spense Month	Nov-19	Dec-19	% Change	Jan-20	% Change	Feb-20	% Change	Mar-20	% Change	Apr-20	% Change	May-20	% Change
D2 Plan Expenses:	1,0,1)	200 17	,, , , , , , , , , , , , , , , , , , ,	van 20	75 01111191	100 20	, , , , , , , , , , , , , , , , , , ,	11111 20	,, , , , , , , , , , , , , , , , , , ,	11p1 20	7. C.I.I.I.g.	1114) 20	
Disposal-Flyash/Bottom Ash/Sludge (Note 2)	\$ 478,424	\$ 414,323	-13%	\$ 370,762	-11%	\$ 415,323	12%	\$ 466,733	12%	\$ 249,127	-47%	\$ 377,338	51%
Fixation Lime	45,106	22,497	-50%	3,728	-83%	33,826	807%	81,739	142%	-	-100%	11,110	Note 1
Reagent-Limestone	223,495	154,805	-31%	145,215	-6%	163,075	12%	17,676	-89%	103,897	488%	200,790	93%
Reagent-Lime	388,240	118,595	-69%	136,192	15%	279,361	105%	207,507	-26%	179,331	-14%	(103,799)	-158%
Emulsified Sulphur for SO2	19,271	(34,031)	-277%	5,524	116%	19,181	247%	5,525	-71%	5,442	-2%	5,395	-1%
Reagent-DiBasic Acid	75,194	91,008	21%	75,277	-17%	75,950	1%	29,471	-61%	77,784	164%	94,152	21%
Reagent-Sodium BiSulfite for SO2	114,890	30,512	-73%	44,311	45%	37,130	-16%	5,648	-85%	25,912	359%	79,404	206%
Total S02 Plan O&M Expenses	\$ 1,344,620	\$ 797,709	-41%	\$ 781,009	-2%	\$ 1,023,846	31%	\$ 814,299	-20%	\$ 641,493	-21%	\$ 664,390	4%
O3 Plan:	1			1		1		_	1	1		1	
			Dec-19 vs.		Jan-20 vs.		Feb-20 vs.		Mar-20 vs. Feb-		Apr-20 vs.		May-20 vs.
			Nov-19		Dec-19		Jan-20	1	20	[Mar-20		Apr-20
xpense Month	Nov-19	Dec-19	% Change	Jan-20	% Change	Feb-20	% Change	Mar-20	% Change	Apr-20	% Change	May-20	% Change
O3 Plan Expenses:	I .	T		1		1		1.		1 .		1	
Hydrated Lime - SO3	\$ -	\$ -	Note 1	\$ -	Note 1	\$ -	Note 1	\$ -	Note 1	\$ -	Note 1	\$ -	Note 1

Note 1

Note 1

Note 1

Note 1

Note 1

Case No. 2023-00373

Total S03 Plan O&M Expenses

Attachment for Response to Staff Item 3

Witnesses: Christopher A. Warren (Schedules of O and M Expenses) and Jeffrey S. Brown (Reason(s) for Changes in Expense Levels)

Note 1

Form 2.50 - Operating and Maintenance Expense Analysis December 2019 - May 2020

2012 Plan:

2012 T Rain														
E Mt		N. 10	D 10	Dec-19 vs. Nov-19 % Change	120	Jan-20 vs. Dec-19 % Change	E 1 20	Feb-20 vs. Jan-20 % Change		Mar-20 vs. Feb- 20 % Change	4 20	Apr-20 vs. Mar-20 % Change	M. 20	May-20 vs. Apr-20 % Change
Expense Month		Nov-19	Dec-19	% Change	Jan-20	% Change	Feb-20	% Change	Mar-20	% Change	Apr-20	% Change	May-20	% Change
2012 Plan Expenses:														
Project 9 - Wilson Hg	\$	54,052	\$ 145,492	169%	\$ 57,454	-61%	\$ 82,000	43%	\$ 14,587	-82%	\$ 42,989	195%	\$ 41,437	-4%
Project 10 - Green Hg		234,062	63,008	-73%	51,867	-18%	123,952	139%	125,535	1%	28,076	-78%	46,620	66%
Project 11 - HMP&L Hg		-	-	Note 1	-	Note 1	-	Note 1	-	Note 1	-	Note 1		Note 1
Total 2012 Plan	\$	288,114	\$ 208,500	-28%	\$ 109,321	-48%	\$ 205,952	88%	\$ 140,122	-32%	\$ 71,065	-49%	\$ 88,057	24%
	•					•	•				•		•	
Total	\$	1,648,682	\$ 1,031,494	•	\$ 938,644		\$ 1,237,364		\$ 984,971	•	\$ 720,850		\$ 776,851	

Note 1: Percentage change not calculated because the cost incurred during the prior expense month was \$0.

Note 2: The monthly totals for Disposal Bottom Ash, Disposal Flyash and Disposal Flyash/Bottom Ash/Sludge have been consolidated due to similarity to better facilitate comparability.

Case No. 2023-00373

Attachment for Response to Staff Item 3

Witnesses: Christopher A. Warren (Schedules of O and M Expenses) and

Jeffrey S. Brown (Reason(s) for Changes in Expense Levels)

Form 2.50 - Operating and Maintenance Expense Analysis December 2019 - May 2020

Variance Explanations:

Anhydrous Ammonia:

Dec-19 vs. Nov-19	59%	The increase is due to timing of product delivery and invoicing for Wilson.
Jan-20 vs. Dec-19	91%	The increase is due to timing of product delivery and invoicing for Wilson.
Feb-20 vs. Jan-20	-84%	The descrease is due to timing of product delivery and invoicing for Wilson.
Mar-20 vs. Feb-20	304%	The increase is due to timing of product delivery and invoicing for Wilson.
Apr-20 vs. Mar-20	-73%	The descrease is due to timing of product delivery and invoicing for Wilson.
May-20 vs. Apr-20	194%	The increase is due to timing of product delivery and invoicing for Wilson.

Disposal-Flyash/Bottom Ash/Sludge:

Dec-19 vs. Nov-19	-13%	The decrease is due to decreased generation at Green Station in December compared to November.
Jan-20 vs. Dec-19	-11%	The descrease is due to decreased generation at Wilson in January compared to December and the timing of product delivery and invoicing for Wilson.
Feb-20 vs. Jan-20	12%	The increase is due to increased generaton at Green Station in February compared to January.
Mar-20 vs. Feb-20	12%	The increase is due to the timing of landfill true up cost at Green Station.
Apr-20 vs. Mar-20	-47%	The decrease is due to decreased generation at Green Station in April compared to March.
May-20 vs. Apr-20	51%	The increase is due to increased generaton at Green Station in May compared to April.

Fixation Lime:

Dec-19 vs. Nov-19	-50%	ase is due to decreased generaton at Green Station in December compared to November.							
Jan-20 vs. Dec-19	-83%	The decrease is due to decreased generation at Green Station in January compared to December.							
Feb-20 vs. Jan-20	807%	The increase is due to increased generation at Green Station in February compared to January and the timing of invoicing for Green Station.							
Mar-20 vs. Feb-20	142%	The increase is due to the timing of invoices for Green Station.							
Apr-20 vs. Mar-20	-100%	The decrease is due to decreased generation at Green Station for April compared to March.							

Case No. 2023-00373

Attachment for Response to Staff Item 3

Witnesses: Christopher A. Warren (Schedules of O and M Expenses) and

Loffrey S. Brown (Person(s) for Changes in Expenses Levels)

Jeffrey S. Brown (Reason(s) for Changes in Expense Levels)

Form 2.50 - Operating and Maintenance Expense Analysis December 2019 - May 2020

Reagent-1	Limestone:

Dec-19 vs. Nov-19	-31%	The decrease is due to the timing of product delivery and invoicing for Wilson.
Feb-20 vs. Jan-20	12%	The increase is due to the timing of product delivery and invoicing for Wilson.
Mar-20 vs. Feb-20	-89%	The decrease is due to decreased generation at Wilson in March compared to February.
Apr-20 vs. Mar-20	488%	The increase is due to increased generation at Wilson in April compared to March and the timing of product delivery and invoicing for Wilson.
May-20 vs. Apr-20	93%	The increase is due to increased generation at Wilson in May compared to April.

Reagent-Lime:

Dec-19 vs. Nov-19	-69%	The decrease is due to decreased generation at Green Station in December compared to November and end of year adjustment.
Jan-20 vs. Dec-19	15%	The increase is due to quarterly inventory adjustment made in December for Green Station.
Feb-20 vs. Jan-20	105%	The increase is due to increased generation at Green Station in February compared to January.
Mar-20 vs. Feb-20	-26%	The decrease is due to decreased generation at Green Station in March compared to February and an inventory adjustment.
Apr-20 vs. Mar-20	-14%	The decrease is due decrease in generation at Green Station in April compared to March and the timing of invoices for Green Station.
May-20 vs. Apr-20	-158%	The decrease is due to the timing of invoces for Green Station.

Emulsified Sulfur for SO2:

Dec-19 vs. Nov-19	-277%	The decrease is due to decreased generation at Green Station in December compared to November and the timing of product delivery and invoicing for Wilson.
Jan-20 vs. Dec-19	116%	The increase is due to the timing of invoices for Green Station.
Feb-20 vs. Jan-20	247%	The increase is due to the timing of product delivery and invoicing for Green Station.
Mar-20 vs. Feb-20	-71%	The decrease is due to the decreased generation at Green Station in March compared to February.

Reagent-Dibasic Acid:

Dec-19 vs. Nov-19	21%	The increase is due to the timing of product delivery and invoicing for Wilson.
Jan-20 vs. Dec-19	-17%	The decrease is due to the timing of product delivery and invoicing for Wilson.
Mar-20 vs. Feb-20	-61%	The decrease is due to decreased generation at Wilson in March compared to February.
Apr-20 vs. Mar-20	164%	The increase is due to increased generation at Wilson in April compared to March and the timing of product delivery and invoicing for Wilson.
May-20 vs. Apr-20	21%	The increase is due to increased generation at Wilson in May compared to April and the timing of product delivery and invoicing for Wilson.

Case No. 2023-00373

Attachment for Response to Staff Item 3

Form 2.50 - Operating and Maintenance Expense Analysis December 2019 - May 2020

Reagent-Sodium BiSulfite for SO2:

Dec-19 vs. Nov-19	-73%	The decrease is due to decreased generation at Green Station in December compared to November and the timing of product delivery and invoicing for Wilson.
Jan-20 vs. Dec-19	45%	The increase is due to the timing of product delivery and invoicing for Wilson.
Feb-20 vs. Jan-20	-16%	The decrease is due to the timing of product delivery and invoicing for Green Station.
Mar-20 vs. Feb-20	-85%	The decrease is due to decreased generation at Wilson in March compared to February.
Apr-20 vs. Mar-20	359%	The increase is due to increased generation at Wilson in April compared to March and the timing of product delivery and invoicing for Wilson.
May-20 vs. Apr-20	206%	The increase is due to increased generaton at Wilson in May compared to April and the timing of product delivery and invoicing for Wilson.

Project 9 - Wilson Hg

Dec-19 vs. Nov-19	169%	The increase in generation at Wilson for December compared to November and the timing of product delivery and invoicing for Wilson.
Jan-20 vs. Dec-19	-61%	The decrease is due to the timing of product delivery and invoicing for Wilson.
Feb-20 vs. Jan-20	43%	The increase is due to the timing of proudct delivery and invoicing for Wilson.
Mar-20 vs. Feb-20	-82%	The decrease is due to decreased generation at Wilson for March compared to February.
Apr-20 vs. Mar-20	195%	The increase is due to increased generation at Wilson in April compared to March and the timing of product delivery and invoicing for Wilson.

Project 10 - Green Hg

Dec-19 vs. Nov-19	-73%	The decrease is due to decreased generation at Green Station in December compared to November.
Jan-20 vs. Dec-19	-18%	The decrease is due to decreased generation at Green Station in January compared to December.
Feb-20 vs. Jan-20	139%	The increase is due to increased generation at Green Station in February compared to January.
Apr-20 vs. Mar-20	-78%	The decrease is due to increased generation at Green Station in April compared to March.
May-20 vs. Apr-20	66%	The increase is due to increased generation at Green Station in May compared to April.

Case No. 2023-00373

Attachment for Response to Staff Item 3

Form 2.50 - Operating and Maintenance Expense Analysis June 2020 - November 2020

			Jun-20 vs.		Jul-20 vs.		Aug-20 vs.		Sep-20 vs.		Oct-20 vs.		Nov-20 vs.
			May-20		Jun-20		Jul-20		Aug-20		Sep-20		Oct-20
Expense Month	May-20	Jun-20	% Change	Jul-20	% Change	Aug-20	% Change	Sep-20	% Change	Oct-20	% Change	Nov-20	% Change
NOx Plan													
Anhydrous Ammonia	\$ 24,404	\$ 31,084	27%	\$ 18,528	-40%	\$ 49,956	170%	\$ 25,737	-48%	\$ 33,144	29%	\$ 42,245	27%
Emulsified Sulphur for NOx	-	-	Note 1	-	Note 1	-	Note 1	-	Note 1	-	Note 1	-	Note 1
Total NOx Plan O&M Expenses	\$ 24,404	\$ 31,084	27%	\$ 18,528	-40%	\$ 49,956	170%	\$ 25,737	-48%	\$ 33,144	29%	\$ 42,245	27%
SO2 Plan:													
			Jun-20 vs.		Jul-20 vs.		Aug-20 vs.		Sep-20 vs.		Oct-20 vs.		Nov-20 vs.
			May-20		Jun-20		Jul-20		Aug-20		Sep-20		Oct-20
Expense Month	May-20	Jun-20	% Change	Jul-20	% Change	Aug-20	% Change	Sep-20	% Change	Oct-20	% Change	Nov-20	% Change
SO2 Plan Expenses:													
Disposal-Flyash/Bottom Ash/Sludge (Note 2)	\$ 377,338	\$ 442,724	17%	\$ 555,461	25%	\$ 452,364	-19%	\$ 412,661	-9%	\$ 398,216	-4%	\$ 304,483	-24%
Fixation Lime	11,110	210,488	1795%	235,472	12%	125,552	-47%	61,036	-51%	68,073	12%	105,812	55%
Reagent-Limestone	200,790	75,971	-62%	164,366	116%	186,783	14%	176,744	-5%	201,404	14%	133,803	-34%
Reagent-Lime	(103,799)	501,152	583%	735,925	47%	658,123	-11%	44,673	-93%	365,753	719%	324,164	-11%
Emulsified Sulphur for SO2	5,395	24,770	359%	20,302	-18%	20,268	0%	11,466	-43%	20,174	76%	5,645	-72%
Reagent-DiBasic Acid	94,152	90,936	-3%	59,421	-35%	138,365	133%	76,306	-45%	88,361	16%	63,755	-28%
Reagent-Sodium BiSulfite for SO2	79,404	90,696	14%	34,507	-62%	34,889	1%	54,553	56%	78,057	43%	34,520	-56%
Total S02 Plan O&M Expenses	\$ 664,390	\$ 1,436,737	116%	\$ 1,805,454	26%	\$ 1,616,344	-10%	\$ 837,439	-48%	\$ 1,220,038	46%	\$ 972,182	-20%
SO3 Plan:													
			Jun-20 vs.		Jul-20 vs.		Aug-20 vs.		Sep-20 vs. Aug-		Oct-20 vs.		Nov-20 vs.
			May-20		Jun-20		Jul-20		20		Sep-20		Oct-20
Expense Month	May-20	Jun-20	% Change	Jul-20	% Change	Aug-20	% Change	Sep-20	% Change	Oct-20	% Change	Nov-20	% Change
SO3 Plan Expenses:	•							•					
Hydrated Lime - SO3	\$ -	\$ -	Note 1	\$ -	Note 1	\$ -	Note 1	\$ -	Note 1	\$ -	Note 1	\$ -	Note 1

Case No. 2023-00373

Total S03 Plan O&M Expenses

Attachment for Response to Staff Item 3

Witnesses: Christopher A. Warren (Schedules of O and M Expenses) and Jeffrey S. Brown (Reason(s) for Changes in Expense Levels)

Page 11 of 49

Form 2.50 - Operating and Maintenance Expense Analysis June 2020 - November 2020

2012 Plan:													
			Jun-20 vs. May-20		Jul-20 vs. Jun-20		Aug-20 vs. Jul-20		Sep-20 vs. Aug- 20		Oct-20 vs. Sep-20		Nov-20 vs. Oct-20
Expense Month	May-20	Jun-20	% Change	Jul-20	% Change	Aug-20	% Change	Sep-20	% Change	Oct-20	% Change	Nov-20	% Change
2012 Plan Expenses:				•				•					
Project 9 - Wilson Hg	\$ 41,43	38,489	-7%	\$ 42,961	12%	\$ 93,157	117%	\$ 48,638	-48%	\$ 46,230	-5%	\$ 47,341	2%
Project 10 - Green Hg	46,62	250,563	437%	376,155	50%	448,710	19%	104,828	-77%	148,009	41%	143,809	-3%
Project 11 - HMP&L Hg			Note 1	-	Note 1	-	Note 1	-	Note 1	-	Note 1	-	Note 1
Total 2012 Plan	\$ 88,05	7 \$ 289,052	228%	\$ 419,116	45%	\$ 541,867	29%	\$ 153,466	-72%	\$ 194,239	27%	\$ 191,150	-2%
2020 Plan:	ı		Γ	<u>, </u>			T	1	1	1	Γ		
			Jun-20 vs.		Jul-20 vs.		Aug-20 vs.		Sep-20 vs. Aug-		Oct-20 vs.		Nov-20 vs.
			May-20		Jun-20		Jul-20		20		Sep-20		Oct-20
Expense Month	May-20	Jun-20	% Change	Jul-20	% Change	Aug-20	% Change	Sep-20	% Change	Oct-20	% Change	Nov-20	% Change
Project 12 Expenses:					1			•					
Project 12 - Wilson FGD / WWT	\$	- \$ -	Note 1	\$ -	Note 1	\$ -	Note 1	\$ -	Note 1	\$ -	Note 1	\$ -	Note 1
Total Project 12	\$	- \$ -	Note 1	\$ -	Note 1	\$ -	Note 1	\$ -	Note 1	\$ -	Note 1	\$ -	Note 1
					1	_							-
			Jun-20 vs.		Jul-20 vs.		Aug-20 vs.		Sep-20 vs. Aug-		Oct-20 vs.		Nov-20 vs.
			May-20		Jun-20		Jul-20		20		Sep-20		Oct-20
Expense Month	May-20	Jun-20	% Change	Jul-20	% Change	Aug-20	% Change	Sep-20	% Change	Oct-20	% Change	Nov-20	% Change
Project 13 Expenses:													
Green Ash Pond Closure - Reg Asset Amort	\$	- \$ -	Note 1	\$ -	Note 1	\$ 1,930	Note 1	\$ 1,935	0%	\$ 2,411	25%	\$ 2,446	1%
Green Ash Pond Closure - O&M	\$	- \$ -	Note 1	\$ -	Note 1	\$ -	Note 1	\$ -	Note 1	\$ -	Note 1	\$ -	Note 1
Green Ash Pond Closure - WMB / WWT	\$	- \$ -	Note 1	\$ -	Note 1	\$ -	Note 1	\$ -	Note 1	\$ -	Note 1	\$ -	Note 1
Coleman Ash Pond Closure - Reg Asset Amort	\$	- \$ -	Note 1	\$ -	Note 1	\$ -	Note 1	\$ -	Note 1	\$ -	Note 1	\$ -	Note 1
Coleman Ash Pond Closure - O&M	\$	- \$ -	Note 1	\$ -	Note 1	\$ -	Note 1	\$ -	Note 1	\$ -	Note 1	\$ -	Note 1
Station Two Ash Pond Closure - Reg Asset Amort	\$	- \$ -	Note 1	\$ -	Note 1	\$ 1,150	Note 1	\$ 1,150	0%	\$ 1,150	0%	\$ 1,150	0%
Station Two Ash Pond Closure - O&M	\$	- \$ -	Note 1	\$ -	Note 1	\$ -	Note 1	\$ -	Note 1	\$ -	Note 1	\$ -	Note 1
Total Project 13	\$	- \$ -	Note 1	\$ -	Note 1	\$ 3.080	Note 1	\$ 3.085	0%	\$ 3.561	15%	\$ 3,506	1%

Case No. 2023-00373

Attachment for Response to Staff Item 3

Witnesses: Christopher A. Warren (Schedules of O and M Expenses) and

Jeffrey S. Brown (Reason(s) for Changes in Expense Levels)

Form 2.50 - Operating and Maintenance Expense Analysis June 2020 - November 2020

			Jun-20 vs.		Jul-20 vs.		Aug-20 vs.		Sep-20 vs. Aug-		Oct-20 vs.		Nov-20 vs.
			May-20		Jun-20		Jul-20		20		Sep-20		Oct-20
Expense Month	May-20	Jun-20	% Change	Jul-20	% Change	Aug-20	% Change	Sep-20	% Change	Oct-20	% Change	Nov-20	% Change
Project 14 Expenses:	-					•							
Project 14 - Wilson Phase 1 Landfill Cover	\$	- \$ -	Note 1	\$ -	Note 1	\$ -	Note 1	\$ 10,984	Note 1	\$ 17,397	58%	\$ 30,012	73%
Total Project 14	\$	- \$ -	Note 1	\$ -	Note 1	\$ -	Note 1	\$ 10,984	Note 1	\$ 17,397	58%	\$ 30,012	73%
						•							
			Jun-20 vs.		Jul-20 vs.		Aug-20 vs.		Sep-20 vs. Aug-		Oct-20 vs.		Nov-20 vs.
			May-20		Jun-20		Jul-20		20		Sep-20		Oct-20
Expense Month	May-20	Jun-20	% Change	Jul-20	% Change	Aug-20	% Change	Sep-20	% Change	Oct-20	% Change	Nov-20	% Change
Project 15 Expenses:													
Green Landfill Drainage - Green Allocation	\$	- \$ -	Note 1	\$ -	Note 1	\$ -	Note 1	\$ -	Note 1	\$ 20,315	Note 1	\$ -	-100%
Green Landfill Drainage - Station Two Allocation	\$	- \$ -	Note 1	\$ -	Note 1	\$ -	Note 1	\$ -	Note 1	\$ 5,542	Note 1	\$ 355	-94%
Total Project 15	\$	- \$ -	Note 1	\$ -	Note 1	\$ -	Note 1	\$ -	Note 1	\$ 25,857	Note 1	\$ 355	-99%
			Jun-20 vs.		Jul-20 vs.		Aug-20 vs.		Sep-20 vs. Aug-		Oct-20 vs.		Nov-20 vs.
			May-20		Jun-20		Jul-20		20		Sep-20		Oct-20
Expense Month	May-20	Jun-20	% Change	Jul-20	% Change	Aug-20	% Change	Sep-20	% Change	Oct-20	% Change	Nov-20	% Change
Project 16 Expenses:													
Green CCR Regulatory Asset Amortization	\$	- \$ -	Note 1	\$ -	Note 1	\$ -	Note 1	\$ -	Note 1	\$ -	Note 1	\$ -	Note 1
Station Two CCR Regulatory Asset Amortization	\$	- \$ -	Note 1	\$ -	Note 1	\$ -	Note 1	\$ -	Note 1	\$ -	Note 1	\$ -	Note 1
Wilson CCR Regulatory Asset Amortization	\$	- \$ -	Note 1	\$ -	Note 1	\$ -	Note 1	\$ -	Note 1	\$ -	Note 1	\$ -	Note 1
Reid CCR Regulatory Asset Amortization	\$	- \$ -	Note 1	\$ -	Note 1	\$ -	Note 1	\$ -	Note 1	\$ -	Note 1	\$ -	Note 1
Total Project 16	¢.	- \$ -	Note 1	¢.	Note 1	ф	Note 1	\$ -	Note 1	¢	Note 1	¢.	Note 1

Note 1: Percentage change not calculated because the cost incurred during the prior expense month was \$0.

Note 2: The monthly totals for Disposal Bottom Ash, Disposal Flyash and Disposal Flyash/Bottom Ash/Sludge have been consolidated due to similarity to better facilitate comparability.

Case No. 2023-00373

Attachment for Response to Staff Item 3

Witnesses: Christopher A. Warren (Schedules of O and M Expenses) and Jeffrey S. Brown (Reason(s) for Changes in Expense Levels)

Page 13 of 49

Form 2.50 - Operating and Maintenance Expense Analysis June 2020 - November 2020

Variance Explanations:

Anhydrous Ammonia:

Jun-20 vs. May-20	27%	The increase is due to increased generation at Wilson in June compared to May and the timing of product delivery and invoicing for Wilson.
Jul-20 vs. Jun-20	-40%	The decrease is due to decreased generation at Wilson in July compared to June and the timing of product delivery and invoicing for Wilson.
Aug-20 vs. Jul-20	170%	The increase is due to the timing of product delivery and invoicing for Wilson.
Sep-20 vs. Aug-20	-48%	The decrease is due to the timing of product delivery and invoicing for Wilson.
Oct-20 vs. Sep-20	29%	The increase is due to the timing of product delivery and invoicing for Wilson.
Nov-20 vs. Oct-20	27%	Th increase is due to the timing of product delivery and invoicing for Wilson.

Disposal-Flyash/Bottom Ash/Sludge:

Jun-20 vs. May-20	17%	The increase is due to the increased generation at Green Station in June compared to May.
Jul-20 vs. Jun-20	25%	The increase is due to the increased generation at Green Station in July compared to June.
Aug-20 vs. Jul-20	-19%	The decrease is due to the decreased generation at Green Staton in August compared to July.
Nov-20 vs. Oct-20	-24%	The decrease is due to the timing of invoicing for Green.

Fixation Lime:

Jun-20 vs. May-20	1795%	The increase is due to increased generation at Green Station in June compared to May.
Jul-20 vs. Jun-20	12%	The increase is due to increased generation at Green Station in July compared to June.
Aug-20 vs. Jul-20	-47%	The decrease is due to decreased generation at Green Station in August compared to July.
Sep-20 vs. Aug-20	-51%	The decrease is due to decreased generation at Green Station in September compared to August.
Oct-20 vs. Sep-20	12%	The increase is due to increased generation at Green Station in October compared to September.
Nov-20 vs. Oct-20	55%	The increase is due to the timing of invoices for Green Station.

Case No. 2023-00373

Attachment for Response to Staff Item 3

Form 2.50 - Operating and Maintenance Expense Analysis June 2020 - November 2020

Reagent-Limestone:

Jun-20 vs. May-20	-62%	The decrease is due to the timing of product delivery and invoicing for Wilson.
Jul-20 vs. Jun-20	116%	The increase is due to the timing of product delivery and invoicing for Wilson.
Aug-20 vs. Jul-20	14%	The increase is due to the timing of product delivery and invoicing for Wilson.
Oct-20 vs. Sep-20	14%	The increase is due to the timing of product delivery and invoicing for Wilson.
Nov-20 vs. Oct-20	-34%	The decrease is due to decreased generation at Wilson in November compared to October.

Reagent-Lime:

Jun-20 vs. May-20	583%	The increase is due to the timing of invoices for Green Station.
Jul-20 vs. Jun-20	47%	The increase is due to increased generation at Green Station for July compared to June.
Aug-20 vs. Jul-20	-11%	The decrease is due to decreased generation at Green Station for August compared to July.
Sep-20 vs. Aug-20	-93%	The decrease is due to decreased generation at Green Station for September compared to August.
Oct-20 vs. Sep-20	719%	The increase is due to increased generation at Green Station for October compared to September and the timing of invoicing for Green Station.
Nov-20 vs. Oct-20	-11%	The decrease is due to decreased generation at Green Station for November compared to October.

Emulsified Sulfur for SO2:

Jun-20 vs. May-20	359%	The increase is due to the timing of product delivery and invoicing for Wilson.
Jul-20 vs. Jun-20	-18%	The decrease is due to decreased generation at Wilson in July compared to June and the timing of product delivery and invoicing for Wilson.
Sep-20 vs. Aug-20	-43%	The decrease is due to decreased generation at Green Station for September compared to August.
Oct-20 vs. Sep-20	76%	The increase is due to increased generation at Green Station for October compared to September and the timing of invoicing for Green Station.
Nov-20 vs. Oct-20	-72%	The decrease is due to decreased generation at Green Station for November compared to October.

Reagent-Dibasic Acid:

Jul-20 vs. Jun-20	-35%	The decrease is due to the timing of product delivery and invoicing for Wilson.
Aug-20 vs. Jul-20	133%	The increase is due to the timing of product delivery and invoicing for Wilson.
Sep-20 vs. Aug-20	-45%	The decrease is due to the timing of product delivery and invoicing for Wilson.
Oct-20 vs. Sep-20	16%	The increase is due to the timing of product delivery and invoicing for Wilson.
Nov-20 vs. Oct-20	-28%	The decrease is due to the timing of product delivery and invoicing for Wilson.

Case No. 2023-00373

Attachment for Response to Staff Item 3

Form 2.50 - Operating and Maintenance Expense Analysis June 2020 - November 2020

Reagent.	Sodium	RiSulfita	for SO2.

Jun-20 vs. May-20	14%	The increase is due to the timing of product delivery and invoicing for Wilson.
Jul-20 vs. Jun-20	-62%	The decrease is due to the timing of product delivery and invoicing for Wilson.
Sep-20 vs. Aug-20	56%	The increase is due to the timing of product delivery and invoicing for Green Station.
Oct-20 vs. Sep-20	43%	The increase is due to the timing of product delivery and invoicing for Wilson.
Nov-20 vs. Oct-20	-56%	The decrease is due to decreased generation at Green Station in November compared to October and the timing of product delivery and invoicing for Green Station.

Project 9 - Wilson Hg

Jul-20 vs. Jun-20	12%	The increase is due to the timing of product delivery.
Aug-20 vs. Jul-20	117%	The increase is due to the timing of product delivery and ambient conditions.
Sep-20 vs. Aug-20	-48%	The decrease is due to the timing of product delivery.

Project 10 - Green Hg

Jun-20 vs. May-20	437%	The increase is due to the increased generation at Green Station in June compared to May.
Jul-20 vs. Jun-20	50%	The increase is due to the increased generation at Green Station in July compared to June.
Aug-20 vs. Jul-20	19%	The increase is due to the timing of invoices for Green Station.
Sep-20 vs. Aug-20	-77%	The decrease is due to decreased generation at Green Station for September compared to August.
Oct-20 vs. Sep-20	41%	The increase is due to increased generation at Green Station in October compared to September and the timing of invoicing.

Project 13 - Green Ash Pond Closure - Reg Asset Amort

Oct-20 vs. Sep-20	25%	The increase is due to the timing of engineering study costs for the closure of the pond.

Project 14 - Wilson Landfill Cover

Oct-20 vs. Sep-20	58%	The increase is due to the timing of contractor labor on the pretreatment system.									
Nov-20 vs. Oct-20	73%	The increase is due to the timing of semi-annual groundwater sampling.									

Project 15 - Green Landfill Drainage - Green Allocation

Nov-20 vs. Oct-20	-100%	The decrease is due to the timing of engineering services for landfill.

Project 15 - Green	Landfill Drainage	- Big Rivers' l	Portion of Station	Two Allocation

Nov-20 vs. Oct-20	-94%	This decrease is due to the timing of engineering services for landfill.

Case No. 2023-00373

Attachment for Response to Staff Item 3

Witnesses: Christopher A. Warren (Schedules of O and M Expenses) and Jeffrey S. Brown (Reason(s) for Changes in Expense Levels)

Page 16 of 49

Form 2.50 - Operating and Maintenance Expense Analysis December 2020 - May 2021

Jan-21 vs.

Feb-21 vs.

Feb-21 vs.

Jan-21

% Change

Note 1

Mar-21

Mar-21 vs.

Mar-21 vs. Feb-

21

% Change

Note 1

Apr-21

Dec-20 vs.

Dec-20 vs.

Nov-20

% Change

Note 1

Dec-20

Jan-21

Apr-21 vs.

Apr-21 vs.

Mar-21

% Change

Note 1

Note 1

May-21

May-21 vs.

May-21 vs.

Apr-21

% Change

Note 1

Note 1

			Nov-20		Dec-20		Jan-21		Feb-21		Mar-21		Apr-21
Expense Month	Nov-20	Dec-20	% Change	Jan-21	% Change	Feb-21	% Change	Mar-21	% Change	Apr-21	% Change	May-21	% Change
NOx Plan													
Anhydrous Ammonia	\$ 42,245	\$ 49,349	17%	\$ 54,798	11%	\$ 74,835	37%	\$ 49,899	-33%	\$ 89,875	80%	\$ 77,274	-14%
Emulsified Sulphur for NOx	-	-	Note 1	-	Note 1	-	Note 1	-	Note 1	-	Note 1	-	Note 1
Total NOx Plan O&M Expenses	\$ 42,245	\$ 49,349	17%	\$ 54,798	11%	\$ 74,835	37%	\$ 49,899	-33%	\$ 89,875	80%	\$ 77,274	-14%
SO2 Plan:													
SO2 FIAII.			Dec-20 vs.		Jan-21 vs.		Feb-21 vs.		Mar-21 vs.		Apr-21 vs.		May-21 vs.
			Nov-20		Dec-20		Jan-21		Feb-21		Mar-21		Apr-21
Expense Month	Nov-20	Dec-20	% Change	Jan-21	% Change	Feb-21	% Change	Mar-21	% Change	Apr-21	% Change	May-21	% Change
SO2 Plan Expenses:													
Disposal-Flyash/Bottom Ash/Sludge (Note 2)	\$ 304,483	\$ 309,871	2%	\$ 388,247	25%	\$ 538,404	39%	\$ 513,749	-5%	\$ 465,930	-9%	\$ 513,073	10%
Fixation Lime	105,812	83,361	-21%	21,140	-75%	160,080	657%	17,391	-89%	137,010	688%	197,672	44%
Reagent-Limestone	133,803	204,718	53%	225,594	10%	164,003	-27%	188,397	15%	176,254	-6%	211,749	20%
Reagent-Lime	324,164	346,774	7%	178,849	-48%	673,469	277%	(44,671)	-107%	760,268	1802%	1,032,998	36%
Emulsified Sulphur for SO2	5,645	5,668	0%	20,262	257%	5,830	-71%	11,643	100%	5,800	-50%	27,424	373%
Reagent-DiBasic Acid	63,755	113,743	78%	114,824	1%	54,299	-53%	156,609	188%	102,619	-34%	128,945	26%
Reagent-Sodium BiSulfite for SO2	34,520	51,586	49%	46,047	-11%	76,866	67%	74,123	-4%	76,600	3%	69,559	-9%
Total S02 Plan O&M Expenses	\$ 972,182	\$ 1,115,721	15%	\$ 994,963	-11%	\$ 1,672,951	68%	\$ 917,241	-45%	\$ 1,724,481	88%	\$ 2,181,420	26%
SO3 Plan:													

Jan-21 vs.

Dec-20

% Change

Note 1

Note 1

Feb-21

Case No. 2023-00373

Expense Month SO3 Plan Expenses:

Hydrated Lime - SO3

Total S03 Plan O&M Expenses

Attachment for Response to Staff Item 3

Witnesses: Christopher A. Warren (Schedules of O and M Expenses) and

Jeffrey S. Brown (Reason(s) for Changes in Expense Levels)

Nov-20

NOx Plan:

Form 2.50 - Operating and Maintenance Expense Analysis December 2020 - May 2021

2012 Plan:						_												
					Dec-20 vs.			Jan-21 vs.			Feb-21 vs.		Mar-21 vs. Feb-		Apr-21 vs.			May-21 vs.
					Nov-20			Dec-20			Jan-21		21		Mar-21			Apr-21
Expense Month	No	ov-20	Dec	c-20	% Change		Jan-21	% Change	Feb-21		% Change	Mar-21	% Change	Apr-21	% Change	1	May-21	% Change
2012 Plan Expenses:																		
Project 9 - Wilson Hg	\$	47,341	\$	60,145	27%	\$	36,330	-40%	\$ 40,	883	13%	\$ 52,953	30%	\$ 47,936	-9%	\$	51,060	7%
Project 10 - Green Hg		143,809		155,266	8%		51,390	-67%	237,	442	362%	24,276	-90%	279,978	1053%		262,077	-6%
Project 11 - HMP&L Hg		-		-	Note 1		-	Note 1		-	Note 1	-	Note 1	-	Note 1		-	Note 1
Total 2012 Plan	\$	191,150	\$ 2	215,411	13%	\$	87,720	-59%	\$ 278,	325	217%	\$ 77,229	-72%	\$ 327,914	325%	\$	313,137	-5%
2020 Plan:						_												
					Dec-20 vs.			Jan-21 vs.			Feb-21 vs.		Mar-21 vs. Feb-		Apr-21 vs.			May-21 vs.
					Nov-20			Dec-20			Jan-21		21		Mar-21			Apr-21
Expense Month	No	ov-20	Dec	c-20	% Change		Jan-21	% Change	Feb-21		% Change	Mar-21	% Change	Apr-21	% Change	1	May-21	% Change
Project 12 Expenses:																		
Project 12 - Wilson FGD / WWT	\$	-	\$	-	Note 1	\$	-	Note 1	\$	-	Note 1	\$ -	Note 1	\$ -	Note 1	\$	-	Note 1
Total Project 12	\$	-	\$	-	Note 1	\$	-	Note 1	\$	-	Note 1	\$ -	Note 1	\$ -	Note 1	\$	-	Note 1
					Dec-20 vs.			Jan-21 vs.			Feb-21 vs.		Mar-21 vs. Feb-		Apr-21 vs.			May-21 vs.
					Nov-20			Dec-20			Jan-21		21		Mar-21			Apr-21
Expense Month	No	ov-20	Dec	c-20	% Change		Jan-21	% Change	Feb-21		% Change	Mar-21	% Change	Apr-21	% Change]	May-21	% Change
Project 13 Expenses:									1	•		Į.		•				
Green Ash Pond Closure - Reg Asset Amort	\$	2,446	\$	2,476	1%	\$	2,476	0%	\$ 2,	656	7%	\$ 2,656	0%	\$ 2,656	0%	\$	3,069	16%
Green Ash Pond Closure - O&M	\$	-	\$	-	Note 1	\$	-	Note 1	\$	-	Note 1	\$ -	Note 1	\$ -	Note 1	\$	-	Note 1
Green Ash Pond Closure - WMB / WWT	\$	-	\$	-	Note 1	\$	-	Note 1	\$	-	Note 1	\$ -	Note 1	\$ -	Note 1	\$	-	Note 1
Coleman Ash Pond Closure - Reg Asset Amort	\$	-	\$	-	Note 1	\$	-	Note 1	\$	-	Note 1	\$ -	Note 1	\$ -	Note 1	\$	-	Note 1
Coleman Ash Pond Closure - O&M	\$	-	\$	-	Note 1	\$	-	Note 1	\$	-	Note 1	\$ -	Note 1	\$ -	Note 1	\$	-	Note 1
Station Two Ash Pond Closure - Reg Asset Amort	\$	1,150	\$	1,150	0%	\$	1,150	0%	\$ 1,	150	0%	\$ 1,150	0%	\$ 1,150	0%	\$	1,212	5%
Station Two Ash Pond Closure - O&M	\$	-	\$	-	Note 1	\$	-	Note 1	\$	-	Note 1	\$ -	Note 1	\$ -	Note 1	\$	-	Note 1
Total Project 13	\$	3,596	\$	3,626	1%	\$	3,626	0%	\$ 3,	806	5%	\$ 3,806	0%	\$ 3,806	0%	\$	4,281	12%

Case No. 2023-00373

Attachment for Response to Staff Item 3

Witnesses: Christopher A. Warren (Schedules of O and M Expenses) and

Jeffrey S. Brown (Reason(s) for Changes in Expense Levels)

Form 2.50 - Operating and Maintenance Expense Analysis December 2020 - May 2021

			1				-		1	1		1		1		-			-	
					Dec-20 vs.			Jan-21 vs.			Feb-21 vs.			Mar-21 vs. Feb-			Apr-21 vs.			May-21 vs.
					Nov-20			Dec-20			Jan-21			21			Mar-21			Apr-21
Expense Month		Nov-20		Dec-20	% Change		Jan-21	% Change		Feb-21	% Change		Mar-21	% Change		Apr-21	% Change]	May-21	% Change
Project 14 Expenses:																				
Project 14 - Wilson Phase 1 Landfill Cover	\$	30,012	\$	41,336	38%	\$	10,121	-76%	\$	14,811	46%	\$	21,444	45%	\$	26,016	21%	\$	44,620	72%
Total Project 14	\$	30,012	\$	41,336	38%	\$	10,121	-76%	\$	14,811	46%	\$	21,444	45%	\$	26,016	21%	\$	44,620	72%
					Dec-20 vs.			Jan-21 vs.			Feb-21 vs.			Mar-21 vs. Feb-			Apr-21 vs.			May-21 vs.
					Nov-20			Dec-20			Jan-21			21			Mar-21			Apr-21
Expense Month		Nov-20		Dec-20	% Change		Jan-21	% Change		Feb-21	% Change		Mar-21	% Change		Apr-21	% Change]	May-21	% Change
Project 15 Expenses:																				
Green Landfill Drainage - Green Allocation	\$	-	\$	18,705	Note 1	\$	15,975	-15%	\$	1,853	-88%	\$	10,553	470%	\$	13,076	24%	\$	8,427	-36%
Green Landfill Drainage - Station Two Allocation	\$	355	\$	15,335	4220%	\$	(1,338)	-109%	\$	2,022	251%	\$	3,660	81%	\$	1,547	-58%	\$	3,112	101%
Total Project 15	\$	355	\$	34,040	9489%	\$	14,637	-57%	\$	3,875	-74%	\$	14,213	267%	\$	14,623	3%	\$	11,539	-21%
					Dec-20 vs.			Jan-21 vs.			Feb-21 vs.			Mar-21 vs. Feb-			Apr-21 vs.			May-21 vs.
					Nov-20			Dec-20			Jan-21			21			Mar-21			Apr-21
Expense Month		Nov-20		Dec-20	% Change		Jan-21	% Change		Feb-21	% Change		Mar-21	% Change		Apr-21	% Change]	May-21	% Change
Project 16 Expenses:																				
Green CCR Regulatory Asset Amortization	\$	-	\$		Note 1	\$	28,178	Note 1	\$	28,178	0%	\$	28,178	0%	\$	28,178	0%	\$	28,178	0%
Station Two CCR Regulatory Asset Amortization	\$	-	\$	-	Note 1	\$	10,832	Note 1	\$	10,832	0%	\$	10,832	0%	\$	10,832	0%	\$	10,832	0%
Wilson CCR Regulatory Asset Amortization	\$	-	\$	-	Note 1	\$	88,900	Note 1	\$	88,900	0%	\$	88,900	0%	\$	88,900	0%	\$	88,900	0%
Reid CCR Regulatory Asset Amortization	\$	-	\$	-	Note 1	\$	-	Note 1	\$	-	Note 1									
Total Project 16	\$	-	\$	-	Note 1	\$	127,910	Note 1	\$	127,910	0%	\$	127,910	0%	\$	127,910	0%	\$	127,910	0%
-	•		•			•						•		•	•			•		
Total	\$	1,239,540	\$	1,459,483		\$	1,293,775		\$	2,176,513		\$	1,211,742	-	\$	2,314,625		\$	2,760,181	

Note 1: Percentage change not calculated because the cost incurred during the prior expense month was \$0.

Note 2: The monthly totals for Disposal Bottom Ash, Disposal Flyash and Disposal Flyash/Bottom Ash/Sludge have been consolidated due to similarity to better facilitate comparability.

Case No. 2023-00373

Attachment for Response to Staff Item 3

Witnesses: Christopher A. Warren (Schedules of O and M Expenses) and Jeffrey S. Brown (Reason(s) for Changes in Expense Levels)

Page 19 of 49

Form 2.50 - Operating and Maintenance Expense Analysis December 2020 - May 2021

Variance Explanations:

Anhydrous Ammonia:

Dec-20 vs. Nov-20	17%	The increase is due to increased generation at Wilson in December compared to November due to Maintenance Outage in November.
Jan-21 vs. Dec-21	11%	The increase is due to the timing of product delivery for Wilson.
Feb-21 vs. Jan-21	37%	The increase is due to the timing of product delivery for Wilson.
Mar-21 vs. Feb-21	-33%	The decrease is due to the timing of product delivery for Wilson.
Apr-21 vs. Mar-21	80%	The increase is due to the timing of product delivery for Wilson.
May-21 vs. Apr-21	-14%	The decrease is due to the timing of product delivery for Wilson.

Disposal-Flyash/Bottom Ash/Sludge:

Jan-21 vs. Dec-21	25%	The increase is due to the timing of invoices and accruals for Wilson.				
Feb-21 vs. Jan-21	The increase is due to the timing of invoices and accruals for Wilson and the timing of invoices for Green Station.					
May-21 vs. Apr-21	10%	The increase is due to increased generation at Green Station in May compared to April.				

Fixation Lime:

Dec-20 vs. Nov-20	-21%	The decrease is due to the timing of invoices for Green Station.
Jan-21 vs. Dec-21	-75%	The decrease is due to decreased generation at Green Station for January compared to December.
Feb-21 vs. Jan-21	657%	The increase is due to increased generation at Green Station in February compared to January.
Mar-21 vs. Feb-21	-89%	The decrease is due to decreased generation at Green Station in March compared to February.
Apr-21 vs. Mar-21	688%	The increase is due to increased generation at Green Station in April compared to March.
May-21 vs. Apr-21	44%	The increase is due to increased generation at Green Sttion in May compared to April.

Reagent-Limestone:

Dec-20 vs. Nov-20		The increase is due to increased generation at Wilson in December compared to November, due to Maintenance Outage in November, and timing of product delivery for Wilson.
Jan-21 vs. Dec-21	10%	The increase is due to the timing of product delivery for Wilson.
Feb-21 vs. Jan-21	-27%	The decrease is due to decreased generation at Wilson in February compared to January.
Mar-21 vs. Feb-21	15%	The increase is due to the timing of product delivery for Wilson.
May-21 vs. Apr-21	20%	The increase is due to the timing of product delivery for Wilson.

Case No. 2023-00373

Attachment for Response to Staff Item 3

Witnesses: Christopher A. Warren (Schedules of O and M Expenses) and Jeffrey S. Brown (Reason(s) for Changes in Expense Levels)

Page 20 of 49

Form 2.50 - Operating and Maintenance Expense Analysis December 2020 - May 2021

Reagent-Lime:

Jan-21 vs. Dec-21	-48%	The decrease is due to decreased generation at Green Station for January compared to December.
Feb-21 vs. Jan-21	277%	The increase is due to increased generation at Green Station in February compred to January.
Mar-21 vs. Feb-21	-107%	The decrease is due to decreased generation at Green Station in March compared to February.
Apr-21 vs. Mar-21	1802%	The increase is due to the timing of invoices for Green Station.
May-21 vs. Apr-21	36%	The increase is due to increased generation at Green Station in May compared to April.

Emulsified Sulfur for SO2:

Jan-21 vs. Dec-21	257%	The increase is due to the timing of product delivery for Green.
Feb-21 vs. Jan-21	-71%	The decrease is due to decreased generation at Wilson in February compared to January and the timing of product delivery for Wilson.
Mar-21 vs. Feb-21	100%	The increase is due to the timing of product delivery for Wilson.
Apr-21 vs. Mar-21	-50%	The decrease is due to the timing of product delivery for Wilson.
May-21 vs. Apr-21	373%	The increase is due to the timing of product delivery for Wilson.

Reagent-Dibasic Acid:

Dec-20 vs. Nov-20	78%	The increase is due to the timing of product delivery for Wilson.
Feb-21 vs. Jan-21	-53%	The decrease is due to the timing of product delivery for Wilson
Mar-21 vs. Feb-21	188%	The increase is due to the timing of product delivery for Wilson.
Apr-21 vs. Mar-21	-34%	The decrease is due to the timing of product delivery for Wilson
May-21 vs. Apr-21	26%	The increase is due to the timing of product delivery for Wilson.

Reagent-Sodium BiSulfite for SO2:

Dec-20 vs. Nov-20	49%	The increase is due to the timing of product delivery for Wilson.
Jan-21 vs. Dec-21	-11%	The decrease is due to the timing of product delivery for Wilson.
Feb-21 vs. Jan-21	67%	The increase is due to the timing of product delivery for Wilson.

Case No. 2023-00373

Attachment for Response to Staff Item 3

Witnesses: Christopher A. Warren (Schedules of O and M Expenses) and Jeffrey S. Brown (Reason(s) for Changes in Expense Levels)

Page 21 of 49

Form 2.50 - Operating and Maintenance Expense Analysis December 2020 - May 2021

Project 9 - Wilson Hg

Dec-20 vs. Nov-20	27%	The increase is due to the timing of product delivery for Wilson.
Jan-21 vs. Dec-21	-40%	The decrease is due to the timing of product delivery for Wilson.
Feb-21 vs. Jan-21	13%	The increase is due to the timing of product delivery for Wilson.
Mar-21 vs. Feb-21	30%	The increase is due to the timing of product delivery for Wilson.

Project 10 - Green Hg

Jan-21 vs. Dec-21	-67%	The decrease is due to decreased generation at Green Station in January compared to December.
Feb-21 vs. Jan-21	362%	The increase is due to increased generation at Green Station in February compared to January.
Mar-21 vs. Feb-21	-90%	The decrease is due to decreased generation at Green Station in March compared to February.
Apr-21 vs. Mar-21	1053%	The increase is due to increased generation at Green Station in April compared to March.

Project 13 - Green Ash Pond Closure - Reg Asset Amort

May-21 vs. Apr-21	16%	The increase is due to timing of costs for engineering services for pond closure.
-------------------	-----	---

Project 14 - Wilson Landfill Cover

Dec-20 vs. Nov-20	38%	The increase is due to increase in contractor labor on pretreatment system.
Jan-21 vs. Dec-21	-76%	The decrease is due to decrease in contractor labor on pretreatment system.
Feb-21 vs. Jan-21	46%	The increase is due to 2020 Annual Groundwater monitoring and corrective action report.
Mar-21 vs. Feb-21	45%	The increase is due to increase in contractor labor on pretreatment system.
Apr-21 vs. Mar-21	21%	The increase is due to needed materials.
May-21 vs. Apr-21	72%	The increase is due to increase in contractor labor on groundwater treatment.

Case No. 2023-00373

Attachment for Response to Staff Item 3

Form 2.50 - Operating and Maintenance Expense Analysis December 2020 - May 2021

Project 15 - Green Landfill Drainage - Green Allocation

110ject 15 Green Eamann Braina	ge oreen ringe	
Jan-21 vs. Dec-21	-15%	The decrease is due to the timing of landfill maintenance costs.
Feb-21 vs. Jan-21	-88%	The decrease is due to the timing of landfill matenance costs and testing.
Mar-21 vs. Feb-21	470%	The increase is due to the timing of water testing for the landfill.
Apr-21 vs. Mar-21	24%	The increase is due to the timing of inspections and seep analysis of landfill.
May-21 vs. Apr-21	-36%	The decrease is due to the timing of landfill maintenance costs.

Project 15 - Green Landfill Drainage - Big Rivers' Portion of Station Two Allocation

Dec-20 vs. Nov-20	4220%	The increase is due to the timing of landfill maintenance costs.
Jan-21 vs. Dec-21	-109%	The decrease is due to the timing of invoicing.
Feb-21 vs. Jan-21	251%	The increase is due to the timing of landfill maintenance costs and testing.
Mar-21 vs. Feb-21	81%	The increase is due to the timing of landfill maintenance costs.
Apr-21 vs. Mar-21	-58%	The decrease is due to the timing of inspections and seep analysis of landfill.
May-21 vs. Apr-21	101%	The increase is due to the timing of landfill maintenance costs.

Case No. 2023-00373

Attachment for Response to Staff Item 3

Form 2.50 - Operating and Maintenance Expense Analysis June 2021 - November 2021

NOx Plan:													
			Jun-21 vs.		Jul-21 vs.		Aug-21 vs.		Sep-21 vs.		Oct-21 vs.		Nov-21 vs.
		1	May-21		Jun-21	ļ	Jul-21		Aug-21		Sep-21	· i	Oct-21
Expense Month	May-21	Jun-21	% Change	Jul-21	% Change	Aug-21	% Change	Sep-21	% Change	Oct-21	% Change	Nov-21	% Change
NOx Plan													
Anhydrous Ammonia	\$ 77,274	\$ 102,815	33%	\$ 86,757	-16%	\$ 108,775	25%	\$ 50,957	-53%	\$ 95,697	88%	\$ 113,915	19%
Emulsified Sulphur for NOx	T	-	Note 1	-	Note 1		Note 1						
Total NOx Plan O&M Expenses	\$ 77,274	\$ 102,815	33%	\$ 86,757	-16%	\$ 108,775	25%	\$ 50,957	-53%	\$ 95,697	88%	\$ 113,915	19%
				·	·			<u>.</u>				·	·
SO2 Plan:							1						
		1	Jun-21 vs.		Jul-21 vs.	ļ	Aug-21 vs.		Sep-21 vs.		Oct-21 vs.	· i	Nov-21 vs.
			May-21		Jun-21		Jul-21		Aug-21		Sep-21		Oct-21
Expense Month	May-21	Jun-21	% Change	Jul-21	% Change	Aug-21	% Change	Sep-21	% Change	Oct-21	% Change	Nov-21	% Change
SO2 Plan Expenses:													
Disposal-Flyash/Bottom Ash/Sludge (Note 2)	\$ 513,073	\$ 161,189	-69%	\$ 511,932	218%	\$ 831,469	62%	\$ 112,846	-86%	\$ 537,319	376%	\$ 303,764	-43%
Fixation Lime	197,672	183,867	-7%	144,331	-22%	145,705	1%	140,745	-3%	141,114	0%	153,132	9%
Reagent-Limestone	211,749	198,736	-6%	191,480	-4%	283,385	48%	148,490	-48%	201,863	36%	235,378	17%
Reagent-Lime	1,032,998	830,619	-20%	1,014,386	22%	915,479	-10%	738,185	-19%	753,195	2%	1,028,886	37%
Emulsified Sulphur for SO2	27,424	19,058	-31%	8,112	-57%	22,409	176%	5,930	-74%	34,155	476%	(7,503)	-122%
Reagent-DiBasic Acid	128,945	115,628	-10%	102,777	-11%	102,471	0%	137,524	34%	147,052	7%	133,400	-9%
Reagent-Sodium BiSulfite for SO2	69,559	57,358	-18%	51,453	-10%	57,970	13%	79,486	37%	63,965	-20%	46,009	-28%
Total S02 Plan O&M Expenses	\$ 2,181,420	\$ 1,566,455	-28%	\$ 2,024,471	29%	\$ 2,358,888	17%	\$ 1,363,206	-42%	\$ 1,878,663	38%	\$ 1,893,066	1%
SO3 Plan:													
			Jun-21 vs.		Jul-21 vs.		Aug-21 vs.		Sep-21 vs. Aug-		Oct-21 vs.		Nov-21 vs.
		l l	May-21		Jun-21		Jul-21		21		Sep-21		Oct-21
Expense Month	May-21	Jun-21	% Change	Jul-21	% Change	Aug-21	% Change	Sep-21	% Change	Oct-21	% Change	Nov-21	% Change
SO3 Plan Expenses:			·					•	•		•		•
Hydrated Lime - SO3	\$ -	- \$ -	Note 1	\$ -	Note 1	\$ -	Note 1	\$ -	Note 1	\$ -	Note 1	\$ -	Note 1

Case No. 2023-00373

Total S03 Plan O&M Expenses

Attachment for Response to Staff Item 3

Witnesses: Christopher A. Warren (Schedules of O and M Expenses) and Jeffrey S. Brown (Reason(s) for Changes in Expense Levels)

Page 24 of 49

Form 2.50 - Operating and Maintenance Expense Analysis **June 2021 - November 2021**

2012 Plan:													
			Jun-21 vs.		Jul-21 vs.		Aug-21 vs.		Sep-21 vs. Aug-		Oct-21 vs.		Nov-21 vs.
			May-21		Jun-21		Jul-21		21		Sep-21		Oct-21
Expense Month	May-21	Jun-21	% Change	Jul-21	% Change	Aug-21	% Change	Sep-21	% Change	Oct-21	% Change	Nov-21	% Change
2012 Plan Expenses:	<u> </u>	1		1						II.		· ·	
Project 9 - Wilson Hg	\$ 51,060	\$ 43,325	-15%	\$ 66,801	54%	\$ 90,463	35%	\$ 26,966	-70%	\$ 51,751	92%	\$ 57,622	11%
Project 10 - Green Hg	262,077	255,905	-2%	481,740	88%	318,824	-34%	278,290	-13%	272,549	-2%	448,355	65%
Project 11 - HMP&L Hg	-	-	Note 1	-	Note 1	-	Note 1						
Total 2012 Plan	\$ 313,137	\$ 299,230	-4%	\$ 548,541	83%	\$ 409,287	-25%	\$ 305,256	-25%	\$ 324,300	6%	\$ 505,977	56%
2020 Plan:	1	1		1		1		1	I				T
			Jun-21 vs.		Jul-21 vs.		Aug-21 vs.		Sep-21 vs. Aug-		Oct-21 vs.		Nov-21 vs.
			May-21		Jun-21		Jul-21		21		Sep-21		Oct-21
Expense Month	May-21	Jun-21	% Change	Jul-21	% Change	Aug-21	% Change	Sep-21	% Change	Oct-21	% Change	Nov-21	% Change
Project 12 Expenses:													
Project 12 - Wilson FGD / WWT	\$ -	- \$ -	Note 1	\$ -	Note 1	\$ -	Note 1	\$ -	Note 1	\$ -	Note 1	\$ -	Note 1
Total Project 12	\$ -	- \$ -	Note 1	\$ -	Note 1	\$ -	Note 1	\$ -	Note 1	\$ -	Note 1	\$ -	Note 1
			Jun-21 vs.		Jul-21 vs.		Aug-21 vs.		Sep-21 vs. Aug-		Oct-21 vs.		Nov-21 vs.
			May-21		Jun-21		Jul-21		21		Sep-21		Oct-21
Expense Month	May-21	Jun-21	% Change	Jul-21	% Change	Aug-21	% Change	Sep-21	% Change	Oct-21	% Change	Nov-21	% Change
Project 13 Expenses:									•			•	
Green Ash Pond Closure - Reg Asset Amort	\$ 3,069	\$ 3,148	3%	\$ 3,225	2%	\$ 3,545	10%	\$ 3,870	9%	\$ 3,983	3%	\$ 3,983	0%
Green Ash Pond Closure - O&M	\$ -	- \$ -	Note 1	\$ -	Note 1	\$ -	Note 1	\$ -	Note 1	\$ -	Note 1	\$ -	Note 1
Green Ash Pond Closure - WMB / WWT	\$ -	- \$ -	Note 1	\$ -	Note 1	\$ -	Note 1	\$ -	Note 1	\$ -	Note 1	\$ -	Note 1
Coleman Ash Pond Closure - Reg Asset Amort	\$ -	- \$ -	Note 1	\$ -	Note 1	\$ -	Note 1	\$ -	Note 1	\$ -	Note 1	\$ -	Note 1
Coleman Ash Pond Closure - O&M	\$ -	- \$ -	Note 1	\$ -	Note 1	\$ -	Note 1	\$ -	Note 1	\$ -	Note 1	\$ -	Note 1
Station Two Ash Pond Closure - Reg Asset Amort	\$ 1,212	\$ 1,212	0%	\$ 1,212	0%	\$ 1,273	5%	\$ 1,273	0%	\$ 1,273	0%	\$ 1,273	0%
									+		1		1
Station Two Ash Pond Closure - O&M	\$ -	- \$ -	Note 1	\$ -	Note 1	\$ -	Note 1	\$ -	Note 1	\$ -	Note 1	\$ -	Note 1

Case No. 2023-00373

Attachment for Response to Staff Item 3

Form 2.50 - Operating and Maintenance Expense Analysis June 2021 - November 2021

			1	Jun-21 vs.			Jul-21 vs.	1		A 21			Sep-21 vs. Aug-			Oct-21 vs.	1		Nov-21 vs.
				May-21 vs.			Jui-21 vs. Jun-21			Aug-21 vs. Jul-21			21 Sep-21 vs. Aug-			Sep-21			Oct-21 vs.
Evnanca Month		May-21	Jun-21			Jul-21	% Change		Aug 21			Con 21			Oct-21			Nov. 21	
Expense Month		May-21	Jun-21	% Change		Jui-21	% Change		Aug-21	% Change		Sep-21	% Change		Oct-21	% Change		Nov-21	% Change
Project 14 Expenses:	ф.	11.520	T	0 100	Α.	(10.511)	1.110/	Φ.	25.551	1100/	d	72.505	1020/	ф	12.415	020/	-	50.550	24404
Project 14 - Wilson Phase 1 Landfill Cover	\$	44,620	\$ 25,34		\$	(10,511)	-141%	\$	35,771	440%	\$	72,605	103%	\$	13,415	-82%	\$	59,573	344%
Total Project 14	\$	44,620	\$ 25,34	8 -43%	\$	(10,511)	-141%	\$	35,771	440%	\$	72,605	103%	\$	13,415	-82%	\$	59,573	344%
r			,						,										
				Jun-21 vs.			Jul-21 vs.			Aug-21 vs.			Sep-21 vs. Aug-			Oct-21 vs.			Nov-21 vs.
				May-21			Jun-21			Jul-21			21			Sep-21			Oct-21
Expense Month		May-21	Jun-21	% Change		Jul-21	% Change		Aug-21	% Change		Sep-21	% Change		Oct-21	% Change		Nov-21	% Change
Project 15 Expenses:																			
Green Landfill Drainage - Green Allocation	\$	8,427	\$ 13,85	6 64%	\$	9,968	-28%	\$	21,922	120%	\$	8,849	-60%	\$	29,708	236%	\$	92,764	212%
Green Landfill Drainage - Station Two Allocation	\$	3,112	\$ 5,00	2 61%	\$	4,264	-15%	\$	15,549	265%	\$	2,535	-84%	\$	11,675	361%	\$	6,665	-43%
Total Project 15	\$	11,539	\$ 18,85	8 63%	\$	14,232	-25%	\$	37,471	163%	\$	11,384	-70%	\$	41,383	264%	\$	99,429	140%
				Jun-21 vs.			Jul-21 vs.			Aug-21 vs.			Sep-21 vs. Aug-			Oct-21 vs.			Nov-21 vs.
				May-21			Jun-21			Jul-21			21			Sep-21			Oct-21
Expense Month		May-21	Jun-21	% Change		Jul-21	% Change		Aug-21	% Change		Sep-21	% Change		Oct-21	% Change		Nov-21	% Change
Project 16 Expenses:	•	·	•									1			•				
Green CCR Regulatory Asset Amortization	\$	28,178	\$ 28,17	8 0%	\$	28,178	0%	\$	28,178	0%	\$	28,178	0%	\$	28,178	0%	\$	28,178	0%
Station Two CCR Regulatory Asset Amortization	\$	10,832	\$ 10,83	2 0%	\$	10,832	0%	\$	10,832	0%	\$	10,832	0%	\$	10,832	0%	\$	10,832	0%
Wilson CCR Regulatory Asset Amortization	\$	88,900	\$ 88,90	0 0%	\$	88,900	0%	\$	88,900	0%	\$	88,900	0%	\$	88,900	0%	\$	88,900	0%
Reid CCR Regulatory Asset Amortization	\$	-	\$	- Note 1	\$	-	Note 1	\$	-	Note 1	\$	-	Note 1	\$	-	Note 1	\$	-	Note 1
Total Project 16	\$	127,910	\$ 127,91	0 0%	\$	127,910	0%	\$	127,910	0%	\$	127,910	0%	\$	127,910	0%	\$	127,910	0%
			•	•							•		•	•					
Total	\$	2,760,181	\$ 2,144,97	6	\$	2,795,837		\$	3,082,920		\$	1,936,461	- '	\$	2,486,624		\$	2,805,126	
		, ,,	. , ,	_		, , , , , , ,						, , , ,		÷	, ,,,,,				

Note 1: Percentage change not calculated because the cost incurred during the prior expense month was \$0.

Note 2: The monthly totals for Disposal Bottom Ash, Disposal Flyash and Disposal Flyash/Bottom Ash/Sludge have been consolidated due to similarity to better facilitate comparability.

Case No. 2023-00373

Attachment for Response to Staff Item 3

Form 2.50 - Operating and Maintenance Expense Analysis June 2021 - November 2021

Variance Explanations:

Anhydrous Ammonia:

Jun-21 vs. May-21	33%	The increase is due to the timing of product delivery for Wilson.
Jul-21 vs. Jun-21	-16%	The decrease is due to the timing of product delivery for Wilson.
Aug-21 vs. Jul-21	25%	The increase is due to the timing of product delivery for Wilson.
Sep-21 vs. Aug-21	-53%	The decrease is due to the timing of product delivery for Wilson.
Oct-21 vs. Sep-21	88%	The increase is due to the timing of product delivery for Wilson.
Nov-21 vs. Oct-21	19%	The increase is due to the timing of product delivery for Wilson.

Disposal-Flyash/Bottom Ash/Sludge:

Jun-21 vs. May-21	-69%	The decrease is due to monthly true-ups, landfill/site maintenance, and timing of invoices for Green Station.
Jul-21 vs. Jun-21	218%	The increase is due to montly true-ups, landfill/site maintenance, and timing of invoices for Green Station.
Aug-21 vs. Jul-21	62%	The increase is due to monthly true-ups, landfill/site maintenace, and timing of invoices for Green Station.
Sep-21 vs. Aug-21	-86%	The decrease is due to timing of invoicing and accruals for Wilson.
Oct-21 vs. Sep-21	376%	The increase is due to timing of invoicing and accruals for Wilson.
Nov-21 vs. Oct-21	-43%	The decrease is due to timing of invoicing and accruals for Wilson.

Fixation Lime:

Jul-21 vs. Jun-21	-22%	The decrease is due to the timing of invoices for Green Station.

Reagent-Limestone:

Aug-21 vs. Jul-21	48%	The increase is due to the timing of product delivery and invoicing for Wilson
Sep-21 vs. Aug-21	-48%	The decrease is due to the timing of product delivery and invoicing for Wilson
Oct-21 vs. Sep-21	36%	The increase is due to the timing of product delivery and invoicing for Wilson
Nov-21 vs. Oct-21	17%	The increase is due to the timing of product delivery and invoicing for Wilson

Case No. 2023-00373

Attachment for Response to Staff Item 3

Form 2.50 - Operating and Maintenance Expense Analysis June 2021 - November 2021

Reagent-Lime:

Jun-21 vs. May-21	-20%	The decrease is due to decreased generation at Green Station in June compared to May.
Jul-21 vs. Jun-21	22%	The increase is due to increased generation at Green Station in July compared to June.
Aug-21 vs. Jul-21	-10%	The decrease is due to decreased generation at Green Station in August compared to July.
Sep-21 vs. Aug-21	-19%	The decrease is due to the timing of invoices for Green Station.
Nov-21 vs. Oct-21	37%	The increase is due to increased generation at Green Station in November compared to October.

Emulsified Sulfur for SO2:

Jun-21 vs. May-21	-31%	The decrease is due to the timing of product delivery and invoicing at Green Station.
Jul-21 vs. Jun-21	-57%	The decrease is due to the timing of product delivery and invoicing at Green Station.
Aug-21 vs. Jul-21	176%	The increase is due to the timing of product delivery and invoicing at Green Station.
Sep-21 vs. Aug-21	-74%	The decrease is due to the timing of product delivery and invoicing at Green Station.
Oct-21 vs. Sep-21	476%	The increase is due to the timing of product delivery and invoicing at Green Station.
Nov-21 vs. Oct-21	-122%	The decrease is due to the timing of product delivery and invoicing at Green Station.

Reagent-Dibasic Acid:

Jun-21 vs. May-21	-10%	The decrease is due to timing of product delivery for Wilson.
Jul-21 vs. Jun-21	-11%	The decrease is due to timing of product delivery for Wilson.
Sep-21 vs. Aug-21	34%	The increase is due to timing of product delivery for Wilson.

Reagent-Sodium BiSulfite for SO2:

Jun-21 vs. May-21	-18%	The decrease is due to timing of product delivery for Wilson.
Jul-21 vs. Jun-21	-10%	The decrease is due to timing of product delivery for Wilson.
Aug-21 vs. Jul-21	13%	The increase is due to timing of product delivery for Wilson.
Sep-21 vs. Aug-21	37%	The increase is due to timing of product delivery for Wilson.
Oct-21 vs. Sep-21	-20%	The decrease is due to timing of product delivery for Wilson.
Nov-21 vs. Oct-21	-28%	The decrease is due to timing of product delivery for Wilson.

Case No. 2023-00373

Attachment for Response to Staff Item 3

Witnesses: Christopher A. Warren (Schedules of O and M Expenses) and Jeffrey S. Brown (Reason(s) for Changes in Expense Levels)

Page 28 of 49

Form 2.50 - Operating and Maintenance Expense Analysis June 2021 - November 2021

Project 9 - Wilson Hg

Jun-21 vs. May-21	-15%	The decrease is due to timing of product delivery for Wilson.
Jul-21 vs. Jun-21	54%	The increase is due to timing of product delivery for Wilson.
Aug-21 vs. Jul-21	35%	The increase is due to timing of product delivery for Wilson.
Sep-21 vs. Aug-21	-70%	The decrease is due to timing of product delivery for Wilson.
Oct-21 vs. Sep-21	92%	The increase is due to timing of product delivery for Wilson.
Nov-21 vs. Oct-21	11%	The increase is due to timing of product delivery for Wilson.

Project 10 - Green Hg

Jul-21 vs. Jun-21	88%	The increase is due to increased generation at Green Staton in July compared to June.
Aug-21 vs. Jul-21	-34%	The decrease is due to decreased generation at Green Station in August compared to July.
Sep-21 vs. Aug-21	-13%	The decrease is due to the timing of invoices for Green Station.
Nov-21 vs. Oct-21	65%	The increase is due to increased generation at Green Station in November compared to October.

Project 13 - Green Ash Pond Closure - Reg Asset Amort

110ject 13 Green Asia Fond Clost	ne Reg Asset A	more
Aug-21 vs. Jul-21	10%	The increase is due to the timing of engineering services for pond closure.

Project 14 - Wilson Landfill Cover

Jun-21 vs. May-21	-43%	The decrease is due to the timing of contract labor on groundwater treatment.
Jul-21 vs. Jun-21	-141%	The decrease is due to the timing of engineering costs.
Aug-21 vs. Jul-21	440%	The increase is due to the timing of engineering for the Groundwater Assessment Plan ("GWAP") revision and certification.
Sep-21 vs. Aug-21	103%	The increase is due to the timing of road construction to new wells.
Oct-21 vs. Sep-21	-82%	The decrease is due to the timing of road construction completion.
Nov-21 vs. Oct-21	344%	The increase is due to the timing of the annual Coal Combustion Residuals ("CCR") landfill inspection.

Case No. 2023-00373

Attachment for Response to Staff Item 3

Witnesses: Christopher A. Warren (Schedules of O and M Expenses) and Jeffrey S. Brown (Reason(s) for Changes in Expense Levels)

Page 29 of 49

Form 2.50 - Operating and Maintenance Expense Analysis June 2021 - November 2021

Project 15 - Green Landfill Drainage - Green Allocation

Jun-21 vs. May-21	64%	The increase is due to the timing of maintenance of the landfill.
Jul-21 vs. Jun-21	-28%	The decrease is due to timing of maintenance of the landfill.
Aug-21 vs. Jul-21	120%	The increase is due to timing of maintenance of the landfill.
Sep-21 vs. Aug-21	-60%	The decrease is due to timing of maintenance of the landfill.
Oct-21 vs. Sep-21	236%	The increase is due to timing of engineering work and surveying of the landfill.
Nov-21 vs. Oct-21	212%	The increase is due to true-up costs associated with the landfill.

Project 15 - Green Landfill Drainage - Big Rivers' Portion of Station Two Allocation

Jun-21 vs. May-21	61%	The increase is due to the timing of maintenance of the landfill.
Jul-21 vs. Jun-21	-15%	The decrease is due to the timing of maintenance of the landfill.
Aug-21 vs. Jul-21	265%	The increase is due to the timing of maintenance of the landfill.
Sep-21 vs. Aug-21	-84%	The decrease is due to the timing of maintenance of the landfill.
Oct-21 vs. Sep-21	361%	The increases is due to the timing of engineering work and surveying.
Nov-21 vs. Oct-21	-43%	The decrease is due to the timing of maintenance of the landfill.

Case No. 2023-00373

Attachment for Response to Staff Item 3

Form 2.50 - Operating and Maintenance Expense Analysis December 2021 - May 2022

			Dec-21 vs. Nov-21		Jan-22 vs. Dec-21		Feb-22 vs. Jan-22		Mar-22 vs. Feb-22		Apr-22 vs. Mar-22		May-22 vs.
Expense Month	Nov-21	Dec-21	% Change	Jan-22	% Change	Feb-22	yan-22 % Change	Mar-22	% Change	Apr-22	Mar-22 % Change	May-22	Apr-22 % Change
NOx Plan	1NOV-21	Dec-21	70 Change	Jan-22	70 Change	Fe0-22	70 Change	Mai-22	70 Change	Apr-22	70 Change	May-22	70 Change
Anhydrous Ammonia	\$ 113,915	\$ 132,589	16%	\$ 117,463	-11%	\$ 110,266	-6%	\$ 29,111	-74%	\$ 57,024	96%	\$ 241,711	324%
<u> </u>	\$ 113,913	\$ 132,389		\$ 117,403		\$ 110,200		\$ 29,111		\$ 37,024		\$ 241,/11	
Emulsified Sulphur for NOx	- 112.015	- 122 FOO	Note 1	- 117.4c2	Note 1	- 110.2cc	Note 1	- 20.111	Note 1		Note 1	- 041 511	Note 1
Total NOx Plan O&M Expenses	\$ 113,915	\$ 132,589	16%	\$ 117,463	-11%	\$ 110,266	-6%	\$ 29,111	-74%	\$ 57,024	96%	\$ 241,711	324%
SO2 Plan:													
			Dec-21 vs.		Jan-22 vs.		Feb-22 vs.		Mar-22 vs.		Apr-22 vs.		May-22 vs.
			Nov-21		Dec-21		Jan-22		Feb-22		Mar-22		Apr-22
Expense Month	Nov-21	Dec-21	% Change	Jan-22	% Change	Feb-22	% Change	Mar-22	% Change	Apr-22	% Change	May-22	% Change
SO2 Plan Expenses:													
Disposal-Flyash/Bottom Ash/Sludge (Note 2)	\$ 303,764	\$ 80,288	-74%	\$ 172,599	115%	\$ 156,850	-9%	\$ 160,354	2%	\$ 163,305	2%	\$ 157,161	-4%
Fixation Lime	153,132	144,008	-6%	150,746	5%	107,010	-29%	94,534	-12%	5,071	-95%	-	-100%
Reagent-Limestone	235,378	225,558	-4%	308,494	37%	242,398	-21%	445,886	84%	319,646	-28%	438,289	37%
Reagent-Lime	1,028,886	419,443	-59%	922,189	120%	310,523	-66%	564,550	82%	64,572	-89%	-	-100%
Emulsified Sulphur for SO2	(7,503)	5,700	176%	5,626	-1%	5,676	1%	6,046	7%	5,846	-3%	5,846	0%
Reagent-DiBasic Acid	133,400	141,908	6%	114,697	-19%	129,264	13%	171,187	32%	101,907	-40%	157,585	55%
Reagent-Sodium BiSulfite for SO2	46,009	34,278	-25%	120,361	251%	290,138	141%	217,088	-25%	41,210	-81%	57,032	38%
Total S02 Plan O&M Expenses	\$ 1,893,066	\$ 1,051,183	-44%	\$ 1,794,712	71%	\$ 1,241,859	-31%	\$ 1,659,645	34%	\$ 701,557	-58%	\$ 815,913	16%
-												-	
SO3 Plan:													
			Dec-21 vs.		Jan-22 vs.		Feb-22 vs.		Mar-22 vs. Feb-		Apr-22 vs.		May-22 vs.
			Nov-21		Dec-21		Jan-22		22		Mar-22		Apr-22
Expense Month	Nov-21	Dec-21	% Change	Jan-22	% Change	Feb-22	% Change	Mar-22	% Change	Apr-22	% Change	May-22	% Change
SO3 Plan Expenses:													
Hydrated Lime - SO3	\$ -	\$ -	Note 1	\$ -	Note 1	\$ -	Note 1						

Case No. 2023-00373

NOx Plan:

Attachment for Staff Item 3

Total S03 Plan O&M Expenses

Witnesses: Christopher A. Warren (Schedules of O and M Expenses) and Jeffrey S. Brown (Reason(s) for Changes in Expense Levels)

Page 31 of 49

Form 2.50 - Operating and Maintenance Expense Analysis December 2021 - May 2022

2012 Plan:																		
					Dec-21 vs.		Jan-22 vs.			Feb-22 vs.		Mar-22 vs. Feb-			Apr-22 vs.			May-22 vs.
					Nov-21		Dec-21			Jan-22		22			Mar-22			Apr-22
Expense Month	N	lov-21]	Dec-21	% Change	Jan-22	% Change	F	eb-22	% Change	Mar-22	% Change		Apr-22	% Change]	May-22	% Change
2012 Plan Expenses:																		
Project 9 - Wilson Hg	\$	57,622	\$	60,222	5%	\$ 36,595	-39%	\$	62,377	70%	\$ 31,403	-50%	\$	36,033	15%	\$	57,709	60%
Project 10 - Green Hg		448,355		329,088	-27%	341,927	4%		144,574	-58%	149,411	3%		1,803	-99%		11,160	519%
Project 11 - HMP&L Hg		-		-	Note 1	-	Note 1		-	Note 1	-	Note 1		-	Note 1		-	Note 1
Total 2012 Plan	\$	505,977	\$	389,310	-23%	\$ 378,522	-3%	\$	206,951	-45%	\$ 180,814	-13%	\$	37,836	-79%	\$	68,869	82%
2020 Plan:																		
					Dec-21 vs.		Jan-22 vs.			Feb-22 vs.		Mar-22 vs. Feb-			Apr-22 vs.			May-22 vs.
					Nov-21		Dec-21			Jan-22		22			Mar-22			Apr-22
Expense Month	N	lov-21]	Dec-21	% Change	Jan-22	% Change	F	Feb-22	% Change	Mar-22	% Change		Apr-22	% Change]	May-22	% Change
Project 12 Expenses:																		
Project 12 - Wilson FGD / WWT	\$	-	\$	-	Note 1	\$ -	Note 1	\$	-	Note 1	\$ -	Note 1	\$	-	Note 1	\$		Note 1
Total Project 12	\$	-	\$	-	Note 1	\$ -	Note 1	\$	-	Note 1	\$ -	Note 1	\$	-	Note 1	\$		Note 1
					Dec-21 vs.		Jan-22 vs.			Feb-22 vs.		Mar-22 vs. Feb-			Apr-22 vs.			May-22 vs.
					Nov-21		Dec-21			Jan-22		22			Mar-22			Apr-22
Expense Month	N	Jov-21]	Dec-21	% Change	Jan-22	% Change	F	Feb-22	% Change	Mar-22	% Change		Apr-22	% Change]	May-22	% Change
Project 13 Expenses:	•					•		•	•				•					
Green Ash Pond Closure - Reg Asset Amort	\$	3,983	\$	4,477	12%	\$ 4,499	0%	\$	4,499	0%	\$ 4,499	0%	\$	4,985	11%	\$	5,202	4%
Green Ash Pond Closure - O&M	\$	-	\$	-	Note 1	\$ -	Note 1	\$	-	Note 1	\$ -	Note 1	\$	-	Note 1	\$	-	Note 1
Green Ash Pond Closure - WMB / WWT	\$	-	\$	-	Note 1	\$ -	Note 1	\$	-	Note 1	\$ -	Note 1	\$	-	Note 1	\$	-	Note 1
Coleman Ash Pond Closure - Reg Asset Amort	\$	-	\$	-	Note 1	\$ -	Note 1	\$	-	Note 1	\$ -	Note 1	\$	-	Note 1	\$	-	Note 1
Coleman Ash Pond Closure - O&M	\$	-	\$	-	Note 1	\$ -	Note 1	\$	-	Note 1	\$ -	Note 1	\$	-	Note 1	\$	-	Note 1
Station Two Ash Pond Closure - Reg Asset Amort	\$	1,273	\$	1,273	0%	\$ 1,273	0%	\$	1,273	0%	\$ 1,273	0%	\$	2,124	67%	\$	2,192	3%
Station Two Ash Pond Closure - O&M	\$	-	\$	-	Note 1	\$ -	Note 1	\$	-	Note 1	\$ -	Note 1	\$	-	Note 1	\$	-	Note 1
Total Project 13	\$	5,256	\$	5,750	9%	\$ 5,772	0%	\$	5,772	0%	\$ 5,772	0%	\$	7,109	23%	\$	7,394	4%

Case No. 2023-00373

Attachment for Staff Item 3

Witnesses: Christopher A. Warren (Schedules of O and M Expenses) and

Jeffrey S. Brown (Reason(s) for Changes in Expense Levels)

Page 32 of 49

Form 2.50 - Operating and Maintenance Expense Analysis December 2021 - May 2022

					_			_			_			1				
				Dec-21 vs.			Jan-22 vs.			Feb-22 vs.			Mar-22 vs. Feb-		Apr-22 vs.			May-22 vs.
				Nov-21			Dec-21			Jan-22			22		Mar-22			Apr-22
Expense Month	Nov-21		Dec-21	% Change		Jan-22	% Change		Feb-22	% Change		Mar-22	% Change	Apr-22	% Change	1	May-22	% Change
Project 14 Expenses:																		
Project 14 - Wilson Phase 1 Landfill Cover	\$ 59,573	\$	110,943	86%	\$	105,154	-5%	\$	30,152	-71%	\$	28,356	-6%	\$ 27,566	-3%	\$	8,997	-67%
Total Project 14	\$ 59,573	\$	110,943	86%	\$	105,154	-5%	\$	30,152	-71%	\$	28,356	-6%	\$ 27,566	-3%	\$	8,997	-67%
				Dec-21 vs.			Jan-22 vs.			Feb-22 vs.			Mar-22 vs. Feb-		Apr-22 vs.			May-22 vs.
				Nov-21			Dec-21			Jan-22			22		Mar-22			Apr-22
Expense Month	Nov-21		Dec-21	% Change		Jan-22	% Change		Feb-22	% Change		Mar-22	% Change	Apr-22	% Change	1	May-22	% Change
Project 15 Expenses:																		
Green Landfill Drainage - Green Allocation	\$ 92,764	\$	305,429	229%	\$	116,968	-62%	\$	112,792	-4%	\$	113,282	0%	\$ 145,344	28%	\$	14,354	-90%
Green Landfill Drainage - Station Two Allocation	\$ 6,665	\$	2,862	-57%	\$	242	-92%	\$	2,612	979%	\$	327	-87%	\$ 4,717	1343%	\$	265	-94%
Total Project 15	\$ 99,429	\$	308,291	210%	\$	117,210	-62%	\$	115,404	-2%	\$	113,609	-2%	\$ 150,061	32%	\$	14,619	-90%
				Dec-21 vs.			Jan-22 vs.			Feb-22 vs.			Mar-22 vs. Feb-		Apr-22 vs.			May-22 vs.
				Nov-21			Dec-21			Jan-22			22		Mar-22			Apr-22
Expense Month	Nov-21		Dec-21	% Change		Jan-22	% Change		Feb-22	% Change		Mar-22	% Change	Apr-22	% Change	1	May-22	% Change
Project 16 Expenses:																		
Green CCR Regulatory Asset Amortization	\$ 28,178	\$	28,178	0%	\$	28,178	0%	\$	28,178	0%	\$	28,178	0%	\$ 28,178	0%	\$	28,178	0%
Station Two CCR Regulatory Asset Amortization	\$ 10,832	\$	10,832	0%	\$	10,832	0%	\$	10,832	0%	\$	10,832	0%	\$ 10,832	0%	\$	10,832	0%
Wilson CCR Regulatory Asset Amortization	\$ 88,900	\$	88,900	0%	\$	88,900	0%	\$	88,900	0%	\$	88,900	0%	\$ 88,900	0%	\$	88,900	0%
Reid CCR Regulatory Asset Amortization	\$ -	\$	-	Note 1	\$ -	Note 1	\$	-	Note 1									
Total Project 16	\$ 127,910	\$	127,910	0%	\$	127,910	0%	\$	127,910	0%	\$	127,910	0%	\$ 127,910	0%	\$	127,910	0%
-		•											•					
Total	\$ 2,805,126	\$	2,125,976		\$	2,646,743		\$	1,838,314		\$	2,145,217	•	\$ 1,109,063		\$	1,285,413	

Note 1: Percentage change not calculated because the cost incurred during the prior expense month was \$0.

Note 2: The monthly totals for Disposal Bottom Ash, Disposal Flyash and Disposal Flyash/Bottom Ash/Sludge have been consolidated due to similarity to better facilitate comparability.

Case No. 2023-00373

Attachment for Staff Item 3

Witnesses: Christopher A. Warren (Schedules of O and M Expenses) and Jeffrey S. Brown (Reason(s) for Changes in Expense Levels)

Page 33 of 49

Form 2.50 - Operating and Maintenance Expense Analysis December 2021 - May 2022

Variance Explanations:

Anhydrous Ammonia:

Dec-21 vs. Nov-21	16%	The increase is due to the timing of product delivery for Wilson.
Jan-22 vs. Dec-21	-11%	The decrease is due to the timing of product delivery for Wilson.
Mar-22 vs. Feb-22	-74%	The decrease is due to the timing of product delivery for Wilson.
Apr-22 vs. Mar-22	96%	The increase is due to the timing of product delivery for Wilson.
May-22 vs. Apr-22	324%	The increase is due to the timing of product delivery for Wilson.

Disposal-Flyash/Bottom Ash/Sludge:

Dec-21 vs. Nov-21	-74%	The decrease is due to decreased generation at the Green Station in December compared to November and the timing of monthly true-ups, landfill/site maintenance, timing of invoices.
Jan-22 vs. Dec-21	115%	The increase is due to monthly true-ups, landfill/site maintenance, timing of invoices for Green Station.

Fixation Lime:

Feb-22 vs. Jan-22	-29%	The decrease is due to decreased generation at Green Station in February compared to January.
Mar-22 vs. Feb-22	-12%	The decrease is due to the timing of product delivery for Green Station.
Apr-22 vs. Mar-22	-95%	The decrease is due to decreased generation at Green Station in April compared to March.
May-22 vs. Apr-22	-100%	The decrease is due to Green units being converted to natural gas fired units, lime no longer needed.

Reagent-Limestone:

Jan-22 vs. Dec-21	37%	The increase is due to the timing of product delivery for Wilson.
Feb-22 vs. Jan-22	-21%	The decrease is due to the timing of product delivery for Wilson.
Mar-22 vs. Feb-22	84%	The increase is due to the timing of product delivery for Wilson.
Apr-22 vs. Mar-22	-28%	The decrease is due to the timing of product delivery for Wilson.
May-22 vs. Apr-22	37%	The increase is due to the timing of product delivery for Wilson.

Case No. 2023-00373

Attachment for Staff Item 3

Witnesses: Christopher A. Warren (Schedules of O and M Expenses) and **Jeffrey S. Brown (Reason(s) for Changes in Expense Levels)**

Page 34 of 49

Form 2.50 - Operating and Maintenance Expense Analysis December 2021 - May 2022

Reag	ent-	Lime

Dec-21 vs. Nov-21	-59%	The decrease is due to decreased generation at Green Station in December compared to November.
Jan-22 vs. Dec-21	120%	The increase is due to increased generation at Green Station in January compared to December.
Feb-22 vs. Jan-22	-66%	The decrease is due to decreased generation at Green Station in February compared to January.
Mar-22 vs. Feb-22	82%	The increase is due to increased generation at Green Station in March compared to February.
Apr-22 vs. Mar-22	-89%	The decrease is due to decreased generation at Green Station in April compared to March.
May-22 vs. Apr-22	-100%	The Green units being converted to natural gas fired units, lime no longer needed.

Emulsified Sulfur for SO2:

Dec-21 vs. Nov-21	176%	The increase due to the timing of product delivery and invoicing for Green Station and Wilson.

Reagent-Dibasic Acid:

Jan-22 vs. Dec-21	-19%	The decrease is due to the timing of product delivery for Wilson.
Feb-22 vs. Jan-22	13%	The increase is due to the timing of product delivery for Wilson.
Mar-22 vs. Feb-22	32%	The increase is due to the timing of product delivery for Wilson.
Apr-22 vs. Mar-22	-40%	The decrease is due to decreased generation at Wilson in April compared to March and the timing of product delivery for Wilson.
May-22 vs. Apr-22	55%	The increase is due to the timing of product delivery for Wilson.

Reagent-Sodium BiSulfite for SO2:

Dec-21 vs. Nov-21	-25%	The decrease is due to the timing of product delivery for Wilson.
Jan-22 vs. Dec-21	251%	The increase is due to the timing of product delivery for Wilson.
Feb-22 vs. Jan-22	141%	The increase is due to the timing of product delivery for Wilson and Green Station
Mar-22 vs. Feb-22	-25%	The decrease is due to the timing of product delivery for Wilson and Green Station
Apr-22 vs. Mar-22	-81%	The decrease is due to decreased generation at Wilson in April compared to March and the timing of product delivery for Green Station.
May-22 vs. Apr-22	38%	The increase is due to the timing of product delivery for Wilson.

Case No. 2023-00373

Attachment for Staff Item 3

Witnesses: Christopher A. Warren (Schedules of O and M Expenses) and Jeffrey S. Brown (Reason(s) for Changes in Expense Levels)

Page 35 of 49

Form 2.50 - Operating and Maintenance Expense Analysis December 2021 - May 2022

Project 9 - Wilson Hg

Jan-22 vs. Dec-21	-39%	The decrease is due to the timing of product delivery for Wilson.
Feb-22 vs. Jan-22	70%	The increase is due to the timing of testing at Wilson in February.
Mar-22 vs. Feb-22	-50%	The decrease is due to the timing of product delivery for Wilson.
Apr-22 vs. Mar-22	15%	The increase is due to the timing of product delivery for Wilson.
May-22 vs. Apr-22	60%	The increase is due to the timing of compliance testing at Wilson in May.

Project 10 - Green Hg

Dec-21 vs. Nov-21	-27%	The decrease is due to decreased generation at Green Station in December compared to November.
Feb-22 vs. Jan-22	-58%	The decrease is due to decreased generation at Green Station in February compared to January.
Apr-22 vs. Mar-22	-99%	The decrease is due to decreased generation at Green Station in April compared to March.
May-22 vs. Apr-22	519%	The increase is due to timing of Green Station units being converted to natural gas fired units, and timing of invoices.

Project 13 - Green Ash Pond Closure - Reg Asset Amort

Dec-21 vs. Nov-21	12%	The increase is due to the installation of required monitoring equipment.
Apr-22 vs. Mar-22	11%	The increase is due to the timing of engineering services for closure of the pond.

Project 13 - Station Two Ash Pond Closure - Reg Asset Amort

<u> </u>	110 Ject 13 - Station 1 wo Asi 1 ond Closure - Reg Asset Amort										
A	pr-22 vs. Mar-22	67%	The increase is due to the timing of engineering services for the closure of the pond.								

Project 14 - Wilson Landfill Cover

Dec-21 vs. Nov-21	86%	The increase is due to the timing of engineering work related to the Groundwater Assessment Plan ("GWAP") implementation and field work.
Feb-22 vs. Jan-22	-71%	The decrease is due to the timing of engineering work.
May-22 vs. Apr-22	-67%	The decrease is due to the timing of engineering work.

Case No. 2023-00373

Attachment for Staff Item 3

Form 2.50 - Operating and Maintenance Expense Analysis December 2021 - May 2022

Project 15 - Green Landfill Drainage - Green Allocation

Dec-21 vs. Nov-21	229%	The increase is due to the timing of maintenance of the landfill.
Jan-22 vs. Dec-21	-62%	The decrease is due to the timing of maintenance of the landfill.
Apr-22 vs. Mar-22	28%	The increase is due to the timing of maintenance of the landfill.
May-22 vs. Apr-22	-90%	The decrease is due to the Green units conversion to natural gas fired units.

Project 15 - Green Landfill Drainage - Big Rivers' Portion of Station Two Allocation

Dec-21 vs. Nov-21	-57%	The decrease is due to the timing of maintenance of the landfill.
Jan-22 vs. Dec-21	-92%	The decrease is due to the timing of maintenance of the landfill.
Feb-22 vs. Jan-22	979%	The increase is due to the timing of maintenance of the landfill.
Mar-22 vs. Feb-22	-87%	The decrease is due to the timing of maintenance of the landfill.
Apr-22 vs. Mar-22	1343%	The increase is due to the timing of maintenance of the landfill.
May-22 vs. Apr-22	-94%	The decrease is due to the timing of maintenance of the landfill.

Case No. 2023-00373

Attachment for Staff Item 3

Witnesses: Christopher A. Warren (Schedules of O and M Expenses) and Jeffrey S. Brown (Reason(s) for Changes in Expense Levels)

Page 37 of 49

Form 2.50 - Operating and Maintenance Expense Analysis June 2022 - November 2022

TOX T MILL													
			Jun-22 vs.		Jul-22 vs.		Aug-22 vs.		Sep-22 vs.		Oct-22 vs.		Nov-22 vs.
			May-22		Jun-22		Jul-22		Aug-22		Sep-22		Oct-22
Expense Month	May-22	Jun-22	% Change	Jul-22	% Change	Aug-22	% Change	Sep-22	% Change	Oct-22	% Change	Nov-22	% Change
NOx Plan													
Anhydrous Ammonia	\$ 241,711	\$ 176,458	-27%	\$ 166,621	-6%	\$ 70,637	-58%	\$ 53,004	-25%	\$ -	-100%	\$ 43,165	Note 1
Emulsified Sulphur for NOx			Note 1	-	Note 1	-	Note 1	-	Note 1	-	Note 1	-	Note 1
Total NOx Plan O&M Expenses	\$ 241,711	\$ 176,458	-27%	\$ 166,621	-6%	\$ 70,637	-58%	\$ 53,004	-25%	\$ -	-100%	\$ 43,165	Note 1
SO2 Plan:													
702 1 mm.			Jun-22 vs.		Jul-22 vs.		Aug-22 vs.		Sep-22 vs.		Oct-22 vs.		Nov-22 vs.
			May-22		Jun-22		Jul-22		Aug-22		Sep-22		Oct-22
Expense Month	May-22	Jun-22	% Change	Jul-22	% Change	Aug-22	% Change	Sep-22	% Change	Oct-22	% Change	Nov-22	% Change
SO2 Plan Expenses:													
Disposal-Flyash/Bottom Ash/Sludge (Note 2)	\$ 157,161	\$ 126,693	-19%	\$ 134,570	6%	\$ 134,299	0%	\$ 145,608	8%	\$ 372,591	156%	\$ 126,482	-66%
Fixation Lime	-	-	Note 1	-	Note 1	-	Note 1						
Reagent-Limestone	438,289	391,921	-11%	345,180	-12%	405,936	18%	368,030	-9%	-	-100%	77,242	Note 1
Reagent-Lime	-	-	Note 1	-	Note 1	-	Note 1						
Emulsified Sulphur for SO2	5,846	6,347	9%	5,830	-8%	5,835	0%	-	-100%	-	Note 1	-	Note 1
Reagent-DiBasic Acid	157,585	158,027	0%	143,184	-9%	127,472	-11%	177,964	40%	-	-100%	-	Note 1
Reagent-Sodium BiSulfite for SO2	57,032	140,741	147%	81,713	-42%	112,607	38%	103,634	-8%	26,618	-74%	95,356	258%
Total S02 Plan O&M Expenses	\$ 815,913	\$ 823,729	1%	\$ 710,477	-14%	\$ 786,149	11%	\$ 795,236	1%	\$ 399,209	-50%	\$ 299,080	-25%
SO3 Plan:			T	1	T			T					
			Jun-22 vs. May-22		Jul-22 vs. Jun-22		Aug-22 vs. Jul-22		Sep-22 vs. Aug- 22		Oct-22 vs. Sep-22		Nov-22 vs. Oct-22
Expense Month	May-22	Jun-22	% Change	Jul-22	% Change	Aug-22	% Change	Sep-22	% Change	Oct-22	% Change	Nov-22	% Change
SO3 Plan Expenses:	•			•						•		•	
Hydrated Lime - SO3	\$ -	\$ -	Note 1	\$ -	Note 1	\$ -	Note 1						

Case No. 2023-00373

Total S03 Plan O&M Expenses

Attachment for Response to Staff Item 3

Witnesses: Christopher A. Warren (Schedules of O and M Expenses) and Jeffrey S. Brown (Reason(s) for Changes in Expense Levels)

Page 38 of 49

NOx Plan:

Form 2.50 - Operating and Maintenance Expense Analysis June 2022 - November 2022

2012 Plan:																			
					Jun-22 vs.			Jul-22 vs.		Aug-22 vs.			Sep-22 vs. Aug-			Oct-22 vs.			Nov-22 vs.
					May-22			Jun-22		Jul-22			22			Sep-22			Oct-22
Expense Month	N	1ay-22		Jun-22	% Change		Jul-22	% Change	Aug-22	% Change		Sep-22	% Change		Oct-22	% Change	1	Nov-22	% Change
2012 Plan Expenses:						•	•											'	
Project 9 - Wilson Hg	\$	57,709	\$	74,988	30%	\$	36,624	-51%	\$ 40,786	11%	\$	119,899	194%	\$	65,260	-46%	\$	30,974	-53%
Project 10 - Green Hg		11,160		(47)	-100%		-	-100%	-	Note 1		-	Note 1		-	Note 1		-	Note 1
Project 11 - HMP&L Hg		-		-	Note 1		-	Note 1	-	Note 1		-	Note 1		-	Note 1		-	Note 1
Total 2012 Plan	\$	68,869	\$	74,941	9%	\$	36,624	-51%	\$ 40,786	11%	\$	119,899	194%	\$	65,260	-46%	\$	30,974	-53%
2020 Plan:																			
					Jun-22 vs.			Jul-22 vs.		Aug-22 vs.			Sep-22 vs. Aug-			Oct-22 vs.			Nov-22 vs.
					May-22			Jun-22		Jul-22			22			Sep-22			Oct-22
Expense Month	N	1ay-22		Jun-22	% Change		Jul-22	% Change	Aug-22	% Change		Sep-22	% Change		Oct-22	% Change	1	Jov-22	% Change
Project 12 Expenses:		•				•	•			_		*						'	
Project 12 - Wilson FGD / WWT	\$	-	\$	-	Note 1	\$	-	Note 1	\$ -	Note 1	\$	-	Note 1	\$	-	Note 1	\$	-	Note 1
Total Project 12	\$	-	\$	-	Note 1	\$	-	Note 1	\$ -	Note 1	\$	-	Note 1	\$	-	Note 1	\$	-	Note 1
	•			•			•		•						•				
					Jun-22 vs.			Jul-22 vs.		Aug-22 vs.			Sep-22 vs. Aug-			Oct-22 vs.			Nov-22 vs.
					May-22			Jun-22		Jul-22			22			Sep-22			Oct-22
Expense Month	N	1ay-22		Jun-22	% Change		Jul-22	% Change	Aug-22	% Change		Sep-22	% Change		Oct-22	% Change	1	Nov-22	% Change
Project 13 Expenses:			1			1											1		
Green Ash Pond Closure - Reg Asset Amort	\$	5,202	\$	5,240	1%	\$	5,240	0%	\$ 5,240	0%	\$	16,418	213%	\$	25,915	58%	\$	43,365	67%
Green Ash Pond Closure - O&M	\$		\$	-	Note 1	\$	-	Note 1	\$ -	Note 1	\$	_	Note 1	\$	-	Note 1	\$	_	Note 1
Green Ash Pond Closure - WMB / WWT	\$	-	\$	-	Note 1	\$	-	Note 1	\$ -	Note 1	\$	-	Note 1	\$	-	Note 1	\$	-	Note 1
	\$	-	\$	-	Note 1	\$	-	Note 1	\$ -	Note 1	\$	-	Note 1	\$	-	Note 1	\$	-	Note 1
Coleman Ash Pond Closure - Reg Asset Amort											+			_					
Coleman Ash Pond Closure - Reg Asset Amort Coleman Ash Pond Closure - O&M	\$	-	\$	-	Note 1	\$	-	Note 1	\$ -	Note 1	\$	-	Note 1	\$	-	Note 1	\$	-	Note 1
	\$	2,192	\$	2,911	Note 1 33%	\$	3,304	Note 1 14%	\$ - \$ 3,520	Note 1 7%	\$	3,520	Note 1 0%	\$	3,520	Note 1 0%	\$	3,520	Note 1 0%
Coleman Ash Pond Closure - O&M	\$ \$ \$	2,192	\$ \$	2,911		Ψ	3,304				-	3,520		\$ \$	3,520		\$ \$ \$	3,520	

Case No. 2023-00373

Attachment for Response to Staff Item 3

Witnesses: Christopher A. Warren (Schedules of O and M Expenses) and

Loffrey S. Brown (Posson(s) for Changes in Expense Levels)

Jeffrey S. Brown (Reason(s) for Changes in Expense Levels)

Form 2.50 - Operating and Maintenance Expense Analysis June 2022 - November 2022

					Jun-22 vs.		Jul-22 vs.		Aug-22 vs.		Sep-22 vs. Aug-		Oct-22 vs.		Nov-22 vs.
F M 4	١,	<i>t</i> 22		r 22	May-22	T 1 22	Jun-22		Jul-22	G 22	22 % Change	0 . 22	Sep-22 % Change	NT 22	Oct-22
Expense Month	1	May-22		Jun-22	% Change	Jul-22	% Change	Aug-22	% Change	Sep-22	% Change	Oct-22	% Change	Nov-22	% Change
Project 14 Expenses:															
Project 14 - Wilson Phase 1 Landfill Cover	\$	8,997	\$	74,609	729%	\$ 14,602	-80%	\$ 37,513	157%	\$ 31,192	-17%	\$ 25,193	-19%	\$ 18,838	-25%
Total Project 14	\$	8,997	\$	74,609	729%	\$ 14,602	-80%	\$ 37,513	157%	\$ 31,192	-17%	\$ 25,193	-19%	\$ 18,838	-25%
			,								1				
					Jun-22 vs.		Jul-22 vs.		Aug-22 vs.		Sep-22 vs. Aug-		Oct-22 vs.		Nov-22 vs.
					May-22		Jun-22		Jul-22		22		Sep-22		Oct-22
Expense Month	1	May-22		Jun-22	% Change	Jul-22	% Change	Aug-22	% Change	Sep-22	% Change	Oct-22	% Change	Nov-22	% Change
Project 15 Expenses:															
Green Landfill Drainage - Green Allocation	\$	14,354	\$	11,752	-18%	\$ 21,599	84%	\$ 1,399	-94%	\$ 6,895	393%	\$ 6,143	-11%	\$ 26,773	336%
Green Landfill Drainage - Station Two Allocation	\$	265	\$	2,827	967%	\$ 1,901	-33%	\$ 273	-86%	\$ 1,250	358%	\$ 784	-37%	\$ 234	-70%
Total Project 15	\$	14,619	\$	14,579	0%	\$ 23,500	61%	\$ 1,672	-93%	\$ 8,145	387%	\$ 6,927	-15%	\$ 27,007	290%
					Jun-22 vs.		Jul-22 vs.		Aug-22 vs.		Sep-22 vs. Aug-		Oct-22 vs.		Nov-22 vs.
					May-22		Jun-22		Jul-22		22		Sep-22		Oct-22
Expense Month	1	May-22		Jun-22	% Change	Jul-22	% Change	Aug-22	% Change	Sep-22	% Change	Oct-22	% Change	Nov-22	% Change
Project 16 Expenses:															
Green CCR Regulatory Asset Amortization	\$	28,178	\$	28,178	0%	\$ 28,178	0%	\$ 28,178	0%	\$ 28,178	0%	\$ 28,178	0%	\$ 28,178	0%
Station Two CCR Regulatory Asset Amortization	\$	10,832	\$	10,832	0%	\$ 10,832	0%	\$ 10,832	0%	\$ 10,832	0%	\$ 10,832	0%	\$ 10,832	0%
Wilson CCR Regulatory Asset Amortization	\$	88,900	\$	88,900	0%	\$ 88,900	0%	\$ 88,900	0%	\$ 88,900	0%	\$ 88,900	0%	\$ 88,900	0%
Reid CCR Regulatory Asset Amortization	\$	-	\$	-	Note 1	\$ -	Note 1	\$ -	Note 1	\$ -	Note 1	\$ -	Note 1	\$ -	Note 1
Total Project 16	\$	127,910	\$	127,910	0%	\$ 127,910	0%	\$ 127,910	0%	\$ 127,910	0%	\$ 127,910	0%	\$ 127,910	0%
<u>-</u>															
Total	\$	1,285,413	\$	1,300,377		\$ 1,088,278		\$ 1,073,427		\$ 1,155,324	•	\$ 653,934		\$ 593,859	

Note 1: Percentage change not calculated because the cost incurred during the prior expense month was \$0.

Note 2: The monthly totals for Disposal Bottom Ash, Disposal Flyash and Disposal Flyash/Bottom Ash/Sludge have been consolidated due to similarity to better facilitate comparability.

Case No. 2023-00373

Attachment for Response to Staff Item 3

Witnesses: Christopher A. Warren (Schedules of O and M Expenses) and

Loffrey S. Brown (Person(s) for Changes in Expense Levels)

Jeffrey S. Brown (Reason(s) for Changes in Expense Levels)

Form 2.50 - Operating and Maintenance Expense Analysis June 2022 - November 2022

Variance Explanations:

Anhydrous Ammonia:

Jun-22 vs. May-22	-27%	The decrease is due to the timing of product delivery and invoicing at Wilson.
Sep-22 vs. Aug-22	-25%	The decrease is due to the timing of product delivery and invoicing at Wilson.
Oct-22 vs. Sep-22	-100%	The decrease is due to decreased generation at Wilson in October compared to September, due to Planned Outage.

Disposal-Flyash/Bottom Ash/Sludge:

Jun-22 vs. May-22	-19%	The decrease is due to the Green units conversion to natual gas fired units, and the timing of true-ups, invoices and land/site maintenance.
Oct-22 vs. Sep-22	156%	The increase is due to landfill capping work at Wilson in October.
Nov-22 vs. Oct-22	-66%	The decrease is due to decreased generation at Wilson in November, due to Planned Outage.

Fixation Lime: Due to the Green units conversion to natural gas fired units, lime is not needed for generation at Green Station.

Reagent-Limestone:

Jun-22 vs. May-22	-11%	The decrease is due to the timing of product delivery and invoicing at Wilson.
Jul-22 vs. Jun-22	-12%	The decrease is due to the timing of product delivery and invoicing at Wilson.
Aug-22 vs. Jul-22	18%	The increase is due to the timing of product delivery and invoicing at Wilson.
Oct-22 vs. Sep-22	-100%	The decrease is due to decreased generation at Wilson in October compared to September, due to Planned Outage.

Reagent-Lime: Due to the Green units conversion to natural gas fired units, lime is not needed for generation at Green Station,.

Emulsified Sulfur for SO2: Due to the Green units conversion to natural gas fired units, Emulsified Sulphur is not needed for unit start-up at Green Station.

Sep-22 vs. Aug-22	-100%	The decrease is due to Emulsified Sulfur no longer being needed at Wilson after the installation of the flue gas desulfurization ("FGD") system transferred from Coleman
		Station.

Reagent-Dibasic Acid:

Aug-22 vs. Jul-22	-11%	The decrease is due to the timing of product delivery and invoicing at Wilson.
Sep-22 vs. Aug-22	40%	The increase is due to the timing of product delivery and invoicing at Wilson.
Oct-22 vs. Sep-22		The decrease is due to Reagent-Dibasic acid no longer being needed at Wilson after the installation of the flue gas desulfurization ("FGD") system transferred from Coleman Station.

Case No. 2023-00373

Attachment for Response to Staff Item 3

Witnesses: Christopher A. Warren (Schedules of O and M Expenses) and Jeffrey S. Brown (Reason(s) for Changes in Expense Levels)

Form 2.50 - Operating and Maintenance Expense Analysis June 2022 - November 2022

Reagent-Sodium BiSulfite for SO2:

Jun-22 vs. May-22	147%	The increase is due to the timing of product delivery and invoicing at Wilson.
Jul-22 vs. Jun-22	-42%	The decrease is due to the timing of product delivery and invoicing at Wilson.
Aug-22 vs. Jul-22	38%	The increase is due to the timing of product delivery and invoicing at Wilson.
Oct-22 vs. Sep-22	-74%	The decrease is due to decreased generation at Wilson in October compared to September, due to Planned Outage.
Nov-22 vs. Oct-22	258%	The increase is due to the timing of the switch to Sodium Thiosulfate due to the new flue gas desulfurziation ("FGD") system.

Project 9 - Wilson Hg

Jun-22 vs. May-22	30%	The increase is due to the timing of product delivery and invoicing at Wilson.
Jul-22 vs. Jun-22	-51%	The decrease is due to the timing of product delivery and invoicing at Wilson.
Aug-22 vs. Jul-22	11%	The increase is due to the timing of product delivery and invoicing at Wilson.
Sep-22 vs. Aug-22	194%	The increase is due to the timing of product delivery and invoicing at Wilson.
Oct-22 vs. Sep-22	-46%	The decrease is due to the timing of product delivery and invoicing and decreased generation at Wilson due to the Planned Outage.
Nov-22 vs. Oct-22	-53%	The decrease is due to the timing of product delivery and invoicing and decreased generation at Wilson due to the Planned Outage.

Project 10 - Green Hg

Jun-22 vs. May-22	-100%	The decrease is due to carbon and lime are not being needed for mercury capture at Green Station, due to the Green units conversion to natural gas fired units and due to the timing of invoices.
Jul-22 vs. Jun-22	-100%	The decrease is due to carbon and lime are not being needed for mercury capture at Green Station, due to the Green units conversion to natural gas fired units and due to the timing of invoices.

Project 13 - Green Ash Pond Closure - Reg Asset Amort

Sep-22 vs. Aug-22	213%	The increase is due to the beginning of construction of ash pond closure
Oct-22 vs. Sep-22	58%	The increase is due to the timing of invoices for ashpond clossure.
Nov-22 vs. Oct-22	67%	The increase is due to the timing of invoices for ashpond closure.

Project 13 - Station Two Ash Pond Closure - Reg Asset Amort

Jun-22 vs. May-22	33%	The increase is due to the timing of engineering services for the closure of the pond.
Jul-22 vs. Jun-22	14%	The increase is due to the timing of engineering services for the closure of the pond.

Case No. 2023-00373

Attachment for Response to Staff Item 3

Witnesses: Christopher A. Warren (Schedules of O and M Expenses) and Jeffrey S. Brown (Reason(s) for Changes in Expense Levels)

Page 42 of 49

Form 2.50 - Operating and Maintenance Expense Analysis June 2022 - November 2022

Project 14 - Wilson Landfill Cover

Jun-22 vs. May-22	729%	The increase is due to the timing of the payment of the Kentucky Coal Combustion Residuals ("CCR") fee, and semi-annual groundwater sampling analysis and engineering
		expenses.
Jul-22 vs. Jun-22	-80%	The decrease is due to the timing of semi annual and annual costs.
Aug-22 vs. Jul-22	157%	The increase is due to the timing of semi-annual remedy selection progress report and cleaning.
Sep-22 vs. Aug-22	-17%	The decrease is due to the timing of semi annual and annual costs.
Oct-22 vs. Sep-22	-19%	The decrease is due to decreased engineering costs.
Nov-22 vs. Oct-22	-25%	The decrease is due to decreased engineering costs.

Project 15 - Green Landfill Drainage - Green Allocation

Jun-22 vs. May-22	-18%	The decrease is due to timing of maintenance of the landfill.
Jul-22 vs. Jun-22	84%	The increase is due to timing of maintenance of the landfill.
Aug-22 vs. Jul-22	-94%	The decrease is due to timing of maintenance of the landfill.
Sep-22 vs. Aug-22	393%	The increase is due to timing of maintenance of the landfill.
Oct-22 vs. Sep-22	-11%	The decrease is due to timing of maintenance of the landfill.
Nov-22 vs. Oct-22	336%	The increase is due to timing of maintenance and cleaning of the landfill.

Project 15 - Green Landfill Drainage - Big River's Portion of Station Two Allocation

Jun-22 vs. May-22	967%	The increase is due to timing of maintenance of the landfill.
Jul-22 vs. Jun-22	-33%	The decrease is due to timing of maintenance of the landfill.
Aug-22 vs. Jul-22	-86%	The decrease is due to timing of maintenance of the landfill.
Sep-22 vs. Aug-22	358%	The increase is due to timing of maintenance of the landfill.
Oct-22 vs. Sep-22	-37%	The decrease is due to timing of maintenance of the landfill.
Nov-22 vs. Oct-22	-70%	The decrease is due to timing of maintenance of the landfill.

Case No. 2023-00373

Attachment for Response to Staff Item 3

Witnesses: Christopher A. Warren (Schedules of O and M Expenses) and Jeffrey S. Brown (Reason(s) for Changes in Expense Levels)

Form 2.50 - Operating and Maintenance Expense Analysis December 2022 - May 2023

NOx Plan:													
			Dec-22 vs. Nov-22		Jan-23 vs. Dec-22		Feb-23 vs. Jan-23		Mar-23 vs. Feb-23		Apr-23 vs. Mar-23		May-23 vs. Apr-23
Expense Month	Nov-22	Dec-22	% Change	Jan-23	% Change	Feb-23	% Change	Mar-23	% Change	Apr-23	% Change	May-23	% Change
NOx Plan													
Anhydrous Ammonia	\$ 43,165	\$ 147,973	243%	\$ 181,959	23%	\$ 84,598	-54%	\$ (16,689)	-120%	\$ 13,674	-182%	\$ 56,838	316%
Emulsified Sulphur for NOx	-	-	Note 1	-	Note 1	-	Note 1	-	Note 1	-	Note 1	-	Note 1
Total NOx Plan O&M Expenses	\$ 43,165	\$ 147,973	243%	\$ 181,959	23%	\$ 84,598	-54%	\$ (16,689)	-120%	\$ 13,674	-182%	\$ 56,838	316%
SO2 Plan:												_	
			Dec-22 vs.		Jan-23 vs.		Feb-23 vs.		Mar-23 vs.		Apr-23 vs.		May-23 vs.
			Nov-22		Dec-22		Jan-23		Feb-23		Mar-23		Apr-23
Expense Month	Nov-22	Dec-22	% Change	Jan-23	% Change	Feb-23	% Change	Mar-23	% Change	Apr-23	% Change	May-23	% Change
SO2 Plan Expenses:													
Disposal-Flyash/Bottom Ash/Sludge (Note 2)	\$ 126,482	\$ 260,425	106%	\$ 157,426	-40%	\$ 145,879	-7%	\$ 151,536	4%	\$ 134,164	-11%	\$ 148,493	11%
Fixation Lime	-	-	Note 1	-	Note 1	29,000	Note 1	40,177	39%	-	-100%	-	Note 1
Reagent-Limestone	77,242	306,673	297%	359,773	17%	273,017	-24%	280,550	3%	302,799	8%	354,864	17%
Reagent-Lime	-	-	Note 1	-	Note 1	-	Note 1	-	Note 1	-	Note 1	-	Note 1
Emulsified Sulphur for SO2	-	-	Note 1	-	Note 1	-	Note 1	-	Note 1	-	Note 1	-	Note 1
Reagent-DiBasic Acid	-	-	Note 1	-	Note 1	-	Note 1	-	Note 1	-	Note 1	-	Note 1
Reagent-Sodium BiSulfite for SO2	95,356	110,212	16%	29,494	-73%	106,949	263%	91,725	-14%	77,749	-15%	65,949	-15%
Total S02 Plan O&M Expenses	\$ 299,080	\$ 677,310	126%	\$ 546,693	-19%	\$ 554,845	1%	\$ 563,988	2%	\$ 514,712	-9%	\$ 569,306	11%
SO3 Plan:						_		_				_	
			Dec-22 vs.		Jan-23 vs.		Feb-23 vs.		Mar-23 vs. Feb-		Apr-23 vs.		May-23 vs.
			Nov-22		Dec-22		Jan-23		23		Mar-23		Apr-23
Expense Month	Nov-22	Dec-22	% Change	Jan-23	% Change	Feb-23	% Change	Mar-23	% Change	Apr-23	% Change	May-23	% Change
SO3 Plan Expenses:													
Hydrated Lime - SO3	\$ -	\$ -	Note 1	\$ -	Note 1	\$ -	Note 1	\$ -	Note 1	\$ -	Note 1	\$ -	Note 1

Case No. 2023-00373

Total S03 Plan O&M Expenses

Attachment for Response to Staff Item 3

Witnesses: Christopher A. Warren (Schedules of O and M Expenses) and **Jeffrey S. Brown (Reason(s) for Changes in Expense Levels)**

Form 2.50 - Operating and Maintenance Expense Analysis December 2022 - May 2023

2012 Plan:															
				Dec-22 vs.		Jan-23 vs.			Feb-23 vs.		Mar-23 vs. Feb-		Apr-23 vs.		May-23 vs.
				Nov-22		Dec-22			Jan-23		23		Mar-23		Apr-23
Expense Month	Nov-22		Dec-22	% Change	Jan-23	% Change		Feb-23	% Change	Mar-23	% Change	Apr-23	% Change	May-23	% Change
2012 Plan Expenses:		•			•		•					•			
Project 9 - Wilson Hg	\$ 30,974	\$	85,618	176%	\$ 34,396	-60%	\$	49,570	44%	\$ 15,120	-69%	\$ 15,110	0%	\$ 46,883	210%
Project 10 - Green Hg	-		-	Note 1	-	Note 1		-	Note 1	-	Note 1	-	Note 1	-	Note 1
Project 11 - HMP&L Hg	-		-	Note 1	-	Note 1		-	Note 1	-	Note 1	-	Note 1	-	Note 1
Total 2012 Plan	\$ 30,974	\$	85,618	176%	\$ 34,396	-60%	\$	49,570	44%	\$ 15,120	-69%	\$ 15,110	0%	\$ 46,883	210%
<u>2020 Plan:</u>															
				Dec-22 vs.		Jan-23 vs.			Feb-23 vs.		Mar-23 vs. Feb-		Apr-23 vs.		May-23 vs.
				Nov-22		Dec-22			Jan-23		23		Mar-23		Apr-23
Expense Month	Nov-22		Dec-22	% Change	Jan-23	% Change		Feb-23	% Change	Mar-23	% Change	Apr-23	% Change	May-23	% Change
Project 12 Expenses:															
Project 12 - Wilson FGD / WWT	\$ -	\$	-	Note 1	\$ -	Note 1	\$	-	Note 1	\$ -	Note 1	\$ -	Note 1	\$ -	Note 1
Total Project 12	\$ -	\$	-	Note 1	\$ -	Note 1	\$	-	Note 1	\$ -	Note 1	\$ -	Note 1	\$ -	Note 1
				Dec-22 vs.		Jan-23 vs.			Feb-23 vs.		Mar-23 vs. Feb-		Apr-23 vs.		May-23 vs.
				Nov-22		Dec-22			Jan-23		23		Mar-23		Apr-23
Expense Month	Nov-22		Dec-22	% Change	Jan-23	% Change		Feb-23	% Change	Mar-23	% Change	Apr-23	% Change	May-23	% Change
Project 13 Expenses:		•			•		•					•			
Green Ash Pond Closure - Reg Asset Amort	\$ 43,365	\$	59,690	38%	\$ 70,668	18%	\$	84,957	20%	\$ 99,759	17%	\$ 113,052	13%	\$ 133,508	18%
Green Ash Pond Closure - O&M	\$ -	\$	-	Note 1	\$ -	Note 1	\$	-	Note 1	\$ -	Note 1	\$ -	Note 1	\$ -	Note 1
Green Ash Pond Closure - WMB / WWT	\$ -	\$	-	Note 1	\$ -	Note 1	\$	-	Note 1	\$ -	Note 1	\$ -	Note 1	\$ -	Note 1
Coleman Ash Pond Closure - Reg Asset Amort	\$ -	\$	-	Note 1	\$ -	Note 1	\$	-	Note 1	\$ -	Note 1	\$ -	Note 1	\$ -	Note 1
Coleman Ash Pond Closure - O&M	\$ -	\$	-	Note 1	\$ -	Note 1	\$	-	Note 1	\$ -	Note 1	\$ -	Note 1	\$ -	Note 1
Station Two Ash Pond Closure - Reg Asset Amort	\$ 3,520	\$	3,914	11%	\$ 3,914	0%	\$	3,914	0%	\$ 4,051	4%	\$ 3,927	-3%	\$ 4,035	3%
Station Two Ash Pond Closure - O&M	\$ -	\$	-	Note 1	\$ -	Note 1	\$	- 1	Note 1	\$ -	Note 1	\$ -	Note 1	\$ -	Note 1
Total Project 13	\$ 46,885	\$	63,604	36%	\$ 74,582	17%	\$	88,871	19%	\$ 103.810	17%	\$ 116,979	13%	\$ 137,543	18%

Case No. 2023-00373

Attachment for Response to Staff Item 3

Witnesses: Christopher A. Warren (Schedules of O and M Expenses) and

Jeffrey S. Brown (Reason(s) for Changes in Expense Levels)

Form 2.50 - Operating and Maintenance Expense Analysis December 2022 - May 2023

			Dec-22 vs.		Jan-23 vs.		Feb-23 vs.		Mar-23 vs. Feb-		Apr-23 vs.		May-23 vs.
			Nov-22		Dec-22		Jan-23		23		Mar-23		Apr-23
Expense Month	Nov-22	Dec-22	% Change	Jan-23	% Change	Feb-23	% Change	Mar-23	% Change	Apr-23	% Change	May-23	% Change
Project 14 Expenses:													
Project 14 - Wilson Phase 1 Landfill Cover	\$ 18,838	\$ 98,466	423%	\$ 21,806	-78%	\$ 26,169	20%	\$ 15,542	-41%	\$ 17,286	11%	\$ 6,998	-60%
Total Project 14	\$ 18,838	\$ 98,466	423%	\$ 21,806	-78%	\$ 26,169	20%	\$ 15,542	-41%	\$ 17,286	11%	\$ 6,998	-60%
			Dec-22 vs.		Jan-23 vs.		Feb-23 vs.		Mar-23 vs. Feb-		Apr-23 vs.		May-23 vs.
			Nov-22		Dec-22		Jan-23		23		Mar-23		Apr-23
Expense Month	Nov-22	Dec-22	% Change	Jan-23	% Change	Feb-23	% Change	Mar-23	% Change	Apr-23	% Change	May-23	% Change
Project 15 Expenses:													
Green Landfill Drainage - Green Allocation	\$ 26,773	\$ 190,569	612%	\$ 39,385	-79%	\$ 45,359	15%	\$ 74,826	65%	\$ 14,109	-81%	\$ 10,943	-22%
Green Landfill Drainage - Station Two Allocation	\$ 234	\$ 5,178	2113%	\$ 368	-93%	\$ 420	14%	\$ 4,186	897%	\$ 399	-90%	\$ 777	95%
Total Project 15	\$ 27,007	\$ 195,747	625%	\$ 39,753	-80%	\$ 45,779	15%	\$ 79,012	73%	\$ 14,508	-82%	\$ 11,720	-19%
			Dec-22 vs.		Jan-23 vs.		Feb-23 vs.		Mar-23 vs. Feb-		Apr-23 vs.		May-23 vs.
			Nov-22		Dec-22		Jan-23		23		Mar-23		Apr-23
Expense Month	Nov-22	Dec-22	% Change	Jan-23	% Change	Feb-23	% Change	Mar-23	% Change	Apr-23	% Change	May-23	% Change
Project 16 Expenses:													
Green CCR Regulatory Asset Amortization	\$ 28,178	\$ 28,178	0%	\$ 28,178	0%	\$ 28,178	0%	\$ 28,178	0%	\$ 28,178	0%	\$ 28,178	0%
Station Two CCR Regulatory Asset Amortization	\$ 10,832	\$ 10,832	0%	\$ 10,832	0%	\$ 10,832	0%	\$ 10,832	0%	\$ 10,832	0%	\$ 10,832	0%
Wilson CCR Regulatory Asset Amortization	\$ 88,900	\$ 88,900	0%	\$ 88,900	0%	\$ 88,900	0%	\$ 88,900	0%	\$ 88,900	0%	\$ 88,900	0%
Reid CCR Regulatory Asset Amortization	\$ -	\$ -	Note 1	\$ -	Note 1	\$ -	Note 1	\$ -	Note 1	\$ -	Note 1	\$ -	Note 1
Total Project 16	\$ 127,910	\$ 127,910	0%	\$ 127,910	0%	\$ 127,910	0%	\$ 127,910	0%	\$ 127,910	0%	\$ 127,910	0%
Total	\$ 593,859	\$ 1,396,628		\$ 1,027,099		\$ 977,742		\$ 888,693		\$ 820,179		\$ 957,198	

Note 1: Percentage change not calculated because the cost incurred during the prior expense month was \$0.

Note 2: The monthly totals for Disposal Bottom Ash, Disposal Flyash and Disposal Flyash/Bottom Ash/Sludge have been consolidated due to similarity to better facilitate comparability.

Case No. 2023-00373

Attachment for Response to Staff Item 3

Witnesses: Christopher A. Warren (Schedules of O and M Expenses) and Jeffrey S. Brown (Reason(s) for Changes in Expense Levels)

Page 46 of 49

Form 2.50 - Operating and Maintenance Expense Analysis December 2022 - May 2023

Variance Explanations:

Dec-22 vs. Nov-22	243%	The increase is due to the timing of product delivery at Wilson and increased generation at Wilson in December compared to November, due to Planned Outage.
Jan-23 vs. Dec-23	23%	The increase is due to the timing of product delivery at Wilson.
Feb-23 vs. Jan-23	-54%	The decrease is due to the timing of product delivery at Wilson.
Mar-23 vs. Feb-23	-120%	The decrease is due to the timing of product delivery at Wilson.
Apr-23 vs. Mar-23	-182%	The decrease is due to the timing of product delivery at Wilson.
May-23 vs. Apr-23	316%	The increase is due to the timing of product delivery at Wilson.

Disposal-Flyash/Bottom Ash/Sludge:

Dec-22 vs. Nov-22	106%	The increase is due to the timing of landfill capping expenses at Wilson in December.
Jan-23 vs. Dec-23	-40%	The decrease is due to the timing of landfill capping expenses at Wilson.
Feb-23 vs. Jan-23	-7%	N/A
Mar-23 vs. Feb-23	4%	N/A
Apr-23 vs. Mar-23	-11%	The decrease is due to the timing of the new flue gas desulfurization (FGD) system installation at Wilson and trouble shooting.
May-23 vs. Apr-23	11%	The increase is due to the timing of the new flue gas desulfurization (FGD) system installation at Wilson and trouble shooting.

Fixation Lime:

Mar-23 vs. Feb-23	39%	The increase is due to more lime addded for operational needs at the landfill at Wilson in March compared to February.
Apr-23 vs. Mar-23	-100%	The decrease is due to the timing of lime added for operational needs at the landfill at Wilson.

Reagent-Limestone:

Dec-22 vs. Nov-22	297%	The increase is due to increased generation at Wilson in December compared to November, due to Planned Outage.
Jan-23 vs. Dec-23	17%	The increase is due to the timing of product delivery at Wilson.
Feb-23 vs. Jan-23	-24%	The decrease is due to the timing of product delivery at Wilson.
May-23 vs. Apr-23	17%	The increase is due to the timing of product delivery at Wilson.

Case No. 2023-00373

Attachment for Response to Staff Item 3

Witnesses: Christopher A. Warren (Schedules of O and M Expenses) and Jeffrey S. Brown (Reason(s) for Changes in Expense Levels)

Form 2.50 - Operating and Maintenance Expense Analysis December 2022 - May 2023

Emulsified Sulfur for SO2: Stopped using at Wilson after the installation of the FGD system, transferred from Coleman Station.

Reagent-Dibasic Acid: Stopped using at Wilson after the installation of the FGD system, transferred from Coleman Station.

Reagent-Sodium BiSulfite for SO2:

Dec-22 vs. Nov-22	16%	The increase is due to the timing of product delivery at Wilson.
Jan-23 vs. Dec-23	-73%	The decrease is due to the timing of product delivery at Wilson.
Feb-23 vs. Jan-23	263%	The increase is due to the timing of product delivery at Wilson.
Mar-23 vs. Feb-23	-14%	The decrease is due to the timing of product delivery at Wilson.
Apr-23 vs. Mar-23	-15%	The decrease is due to the timing of product delivery at Wilson.
May-23 vs. Apr-23	-15%	The decrease is due to the timing of product delivery at Wilson.

Project 9 - Wilson Hg

Dec-22 vs. Nov-22	176%	The increase is due to the timing of product delivery and invoicing at Wilson.					
Jan-23 vs. Dec-23 -60% The decrease is due to the timing of product delivery at Wilson.							
Feb-23 vs. Jan-23 44% The increase is due to the timing of product delivery and invoicing at Wilson.							
Mar-23 vs. Feb-23	-69%	The decrease is due to the timing of product delivery at Wilson.					
May-23 vs. Apr-23	210%	The increase is due to the timing of product delivery and invoicing at Wilson.					

Project 13 - Green Ash Pond Closure - Reg Asset Amort

Dec-22 vs. Nov-22	38%	The increase is due to the timing of work on closing the pond.
Jan-23 vs. Dec-23	18%	The increase is due to the timing of work on closing the pond.
Feb-23 vs. Jan-23	20%	The increase is due to the timing of work on closing the pond.
Mar-23 vs. Feb-23	17%	The increase is due to the timing of work on closing the pond.
Apr-23 vs. Mar-23	13%	The increase is due to the timing of work on closing the pond.
May-23 vs. Apr-23	18%	The increase is due to the timing of work on closing the pond.

Case No. 2023-00373

Attachment for Response to Staff Item 3

Witnesses: Christopher A. Warren (Schedules of O and M Expenses) and Jeffrey S. Brown (Reason(s) for Changes in Expense Levels)

Page 48 of 49

Form 2.50 - Operating and Maintenance Expense Analysis December 2022 - May 2023

D 12	Cr. c. TC	4 1 D 1 CI	D A . A .
Protect 15	- Station Two	ASII PONG CJOSUTE	- Reg Asset Amort

Dec-22 vs. Nov-22	11%	The increase is due to the timing of engineering services for closure of the pond.

Project 14 - Wilson Landfill Cover

Dec-22 vs. Nov-22	423%	The increase is due to the timing of increased engineering expenses						
Jan-23 vs. Dec-23 -78% The decrease is due to the decreased engineering expenses.								
Feb-23 vs. Jan-23	20%	The increase is due to the timing of cleaning expenses.						
Mar-23 vs. Feb-23 -41% The decrease is due to		The decrease is due to the decreased engineering expenses.						
Apr-23 vs. Mar-23	11%	The increase is due to the timing of cleaning expenses.						
May-23 vs. Apr-23	-60%	The decrease is due to the decreased engineering expenses.						

Project 15 - Green Landfill Drainage - Green Allocation

Dec-22 vs. Nov-22	612%	The increase is due to the timing of engineering and professional services for maintenance and cleaning of the landfill drainage system.				
Jan-23 vs. Dec-23 -79% The decrease is due to timing of maintenance of the landfill drainage system.						
Feb-23 vs. Jan-23	15%	The increase is due to timing of maintenance of the landfill drainage system.				
Mar-23 vs. Feb-23	65%	The increase is due to timing of maintenance of the landfill drainage system.				
Apr-23 vs. Mar-23	-81%	The decrease is due to timing of maintenance of the landfill drainage system.				
May-23 vs. Apr-23	-22%	The decrease is due to timing of maintenance of the landfill drainage system.				

Project 15 - Green Landfill Drainage - Station Two Allocation

Dec-22 vs. Nov-22	2113%	The increase is due to timing of maintenance of the landfill.
Jan-23 vs. Dec-23	-93%	The decrease is due to timing of maintenance of the landfill.
Feb-23 vs. Jan-23	14%	The increase is due to timing of maintenance of the landfill.
Mar-23 vs. Feb-23	897%	The increase is due to timing of maintenance of the landfill.
Apr-23 vs. Mar-23	-90%	The decrease is due to timing of maintenance of the landfill.
May-23 vs. Apr-23	95%	The decrease is due to timing of maintenance of the landfill.

Case No. 2023-00373

Attachment for Response to Staff Item 3

Witnesses: Christopher A. Warren (Schedules of O and M Expenses) and Jeffrey S. Brown (Reason(s) for Changes in Expense Levels)

ELECTRONIC EXAMINATION BY THE PUBLIC SERVICE COMMISSION OF THE ENVIRONMENTAL SURCHARGE MECHANISM OF BIG RIVERS ELECTRIC CORPORATION FOR THE SIX-MONTH BILING PERIODS ENDING

JANUARY 31, 2020, JULY 31, 2020, JANUARY 31, 2021,

JANUARY 31, 2022, JULY 31, 2022, AND JANUARY 31, 2023, THE TWO-YEAR EXPENSE PERIODS ENDING JULY 31, 2021, AND JULY 31, 2023, AND THE PASS THROUGH MECHANISM OF ITS THREE

MEMBER DISTRIBUTION COOPERATIVES CASE NO. 2023-00373

RESPONSE OF BIG RIVERS ELECTRIC CORPORATION TO COMMISSION STAFF'S FIRST REQUEST FOR INFORMATION DATED DECEMBER 8, 2023

January 17, 2024

Item 4) This request is addressed to BREC. Refer to BREC's monthly

environmental surcharge reports for the six-month review periods and the

last six expense months in the two-year review periods. Provide the

calculations and supporting data for the rates of return included in each

monthly environmental surcharge filing. Provide all supporting

calculations and documentation in Excel spreadsheet format, with formulas

intact and unprotected and all rows and columns fully accessible.

Response) Please see the attachment to this response for the calculations and

supporting data for the rates of return included in each monthly environmental

surcharge filing for the six-month review periods. The attachment is also provided

in Excel spreadsheet format, with formulas intact and unprotected and all rows and

columns fully accessible, in a separate Excel file as part of the electronic filing.

Witness: Christopher A. Warren

Case No. 2023-00373

Response to Staff Item 4

Witness: Christopher A. Warren

Page **1** of **1**

Calculations for Rates of Return on Environmental Compliance Rate Base For the Expense Months: August 2019 to July 2023

Calculations of Monthly Rates of Return on Environmental Compliance Rate Base:

1		Expense Month:	<u>Aug-19</u>	<u>Sep-19</u>	Oct-19	<u>Nov-19</u>	<u>Dec-19</u>	<u>Jan-20</u>
2 3	Monthly Interest Expense on Long-Term Debt (by Oblig	ration).						
4	RUS - Series B Note	\$ \$	933,012.14 \$	902,914.97 \$	946,648.81 \$	916,111.76 \$	946,648.81 \$	957,860.52
5	CoBank - Series 2012A Notes	Ψ	653,223.00	631,567.76	644,070.75	623,294.27	644,070.75	634,809.81
6	CFC - Series 2012B Refinance Note		846,217.64	814,186.68	840,323.47	810,446.56	830,416.55	830,416.55
7	CFC - Series 2012B Equity Note		147,683.78	145,699.56	145,699.56	145,699.57	143,688.81	143,688.81
8	Series 2010A P.C. Bonds		416,500.00	416,500.00	416,500.00	416,500.00	416,500.00	416,500.00
9	CFC - Series 2017B Refinance Note		36,900.00	36,900.00	36,900.00	36,900.00	23,370.00	-
10	SBA ONB PPP 2020 Loan		,	,	,	,	-,-	
11	RUS Guaranteed FFB Loan W8		61,559.75	59,573.95	61,559.75	59,573.95	61,559.75	60,427.78
12	RUS Guaranteed FFB Loan X8		44,782.07	43,337.47	44,782.07	43,337.49	44,782.07	44,339.49
13	RUS-FFB 2021 Loan (Y8 A)							
14	RUS-FFB 2022 Loan (Y8 B)							
15	RUS-FFB 2022 Loan (AA8)							
16	CFC & Farmer Mac 2022							
17	CFC 2023 Loan 1							
18	CFC 2023 Loan 2							
19 (Total Monthly Interest Expense on Long-Term Debt	<u> </u>	3,139,878.38 \$	3,050,680.39 \$	3,136,484.41 \$	3,051,863.60 \$	3,111,036.74 \$	3,088,042.96
20	1) Total Monthly Interest Expense on Long-Term Debt	Ψ	3,132,676.36 ¢	3,030,000.39	3,130, 4 04.41 \$	3,031,003.00 \$	3,111,030.74 \$	3,000,042.90
21	Total Outstanding Long-Term Debt (Beginning of Month)	\$	759,829,159.61 \$	755,408,337.46 \$	755,705,550.71 \$	755,705,550.71 \$	751,997,324.71 \$	739,774,482.08
22	Total Outstanding Long-Term Debt (End of Month)	Ψ	755,408,337.46	755,705,550.71	755,705,550.71	751,997,324.71	739,774,482.08	739,774,482.08
	Average Outstanding Long-Term Debt during Month	<u>\$</u>	757,618,748.54 \$	755,556,944.09 \$	755,705,550.71 \$	753,851,437.71 \$	745,885,903.40 \$	739,774,482.08
24	involuge outstanding hong ream hour during woman	Ψ	707,020,7 IOIC 1	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	, 10,000,5 00110	702,771,102100
	c) Number of Days During Year		365	365	365	365	365	365
26	-,							
	d) Number of Days During Month		31	30	31	30	31	31
28	,,							
	Average Cost of Debt $[(a) \div (b)] \times [(c) \div (d)]$		4.88%	4.91%	4.89%	4.93%	4.91%	4.91%
30								
31 (f) Applicable TIER (1)		1.24	1.24	1.24	1.24	1.24	1.24
32	// Tippieuoto Tibit		1,27	1.27	1.27	1.27	1.2-7	1.24
	Rate of Return on Environmental Compliance Rate Base	e [(e) x (f)]	6.05%	6.09%	6.06%	6.11%	6.09%	6.09%
34	-	•						

Notes:

(1) Applicable Times Interest Earned Ratio ("TIER") for calculating the Rate of Return on Environmental Compliance Rate Base per Big Rivers' Environmental Surcharge Tariff approved by Order of the Commission dated October 1, 2012 (Case No. 2012-00063).

Case No. 2023-00373 Attachment for Response to Staff Item 4 Witness: Christopher A. Warren Page 1 of 8

Calculations for Rates of Return on Environmental Compliance Rate Base For the Expense Months: August 2019 to July 2023

Calculations of Monthly Rates of Return on Environmental Compliance Rate Base

1	1	Expense Month:	Feb-20		<u>Mar-20</u>		<u>Apr-20</u>	<u>May-20</u>	<u>Jun-20</u>	<u>Jul-20</u>
2										
3	Monthly Interest Expense on Long-Term Debt (by Oblig									
4	RUS - Series B Note	\$	896,063.07	\$	957,860.52	\$	940,326.15			
5	CoBank - Series 2012A Notes		593,854.34		634,809.82		605,263.46	625,438.90	605,263.46	615,956.72
6	CFC - Series 2012B Refinance Note		776,868.33		820,413.02		794,274.74	820,413.11	784,763.44	809,485.28
7	CFC - Series 2012B Equity Note		143,688.80		141,651.15		141,651.15	141,651.16	102,363.28	-
8	Series 2010A P.C. Bonds		416,500.00		416,500.00		416,500.00	416,500.00	416,500.00	270,586.16
9	CFC - Series 2017B Refinance Note		-		-		-	-	-	-
10	SBA ONB PPP 2020 Loan						2,723.62	8,443.21	8,443.21	8,443.21
11	RUS Guaranteed FFB Loan W8		56,529.21		60,427.79		57,534.05	59,451.85	57,534.06	58,469.37
12	RUS Guaranteed FFB Loan X8		41,478.88		44,339.49		42,592.97	44,012.74	42,592.97	43,683.70
13	RUS-FFB 2021 Loan (Y8 A)									
14	RUS-FFB 2022 Loan (Y8 B)									
15	RUS-FFB 2022 Loan (AA8)									
16	CFC & Farmer Mac 2022									
17	CFC 2023 Loan 1									
18	CFC 2023 Loan 2									
10	Total Monthly Interest Evenence on Long Town Debt		2 024 092 (2	φ.	2.077.001.70	ø	2 000 000 14	¢ 2.007.501.22	¢ 2057.797.57	¢ 2.702.202.74
19 20	(a) Total Monthly Interest Expense on Long-Term Debt	•	2,924,982.63	Þ	3,076,001.79	Þ	3,000,866.14	\$ 3,087,581.33	\$ 2,957,786.57	\$ 2,792,303.74
21	Total Outstanding Long-Term Debt (Beginning of Month)	\$	739,774,482.08	\$	736,028,465.97	\$	735,770,597.14	\$ 745.711.797.14	\$ 741,927,600.59	\$ 710,367,495.42
22	Total Outstanding Long-Term Debt (End of Month)		736,028,465.97		735,770,597.14		745,711,797.14	741,927,600.59	710.367.495.42	710,367,495.42
23	Average Outstanding Long-Term Debt during Month	\$	737,901,474.03	\$	735,899,531.56	\$	740,741,197.14	\$ 743,819,698.87	\$ 726,147,548.01	\$ 710,367,495.42
24			, ,		, ,		, ,	, ,	, , ,	, ,
25	(c) Number of Days During Year		365		365		365	365	365	365
26	(-)									
	(d) Number of Days During Month		29		31		30	31	30	31
28	,									
	(e) Average Cost of Debt $f(a) \div (b) [x](c) \div (d)$		4.99%		4.92%		4.93%	4.89%	4.96%	4.63%
30	1(0)									
	(f) Applicable TIER (1)		1.24		1.24		1.24	1.24	1.24	1.24
32	() Applicable TIER		1.24		1.24		1.24	1.24	1.24	1.24
	g) Rate of Return on Environmental Compliance Rate Base	[(e) x (f)]	6.19%		6.10%		6.11%	6.06%	6.15%	5.74%
34										

Notes.

(1) Applicable Times Interest Earned Ratio ("TIER") for calculating the Rate of Return on Environmental Compliance Rate Base per Big Rivers' Environmental Surcharge Tariff approved by Order of the Commission dated October 1, 2012 (Case No. 2012-00063).

Case No. 2023-00373 Attachment for Response to Staff Item 4 Witness: Christopher A. Warren Page 2 of 8

Calculations for Rates of Return on Environmental Compliance Rate Base For the Expense Months: August 2019 to July 2023

Calculations of Monthly Rates of Return on Environmental Compliance Rate Base

Multi- Interest Expense on Long-Term Debt (by Obligation RUS - Series B) Note S. 985,679.30 S. 953,883.20 S. 1,000,046.38 S. 967,768.20 S. 606,361.91 S. 96,663.20 S. 606,361.91 S	1	E	expense Month:	<u>Aug-20</u>	Sep-20	Oct-20	<u>Nov-20</u>	<u>Dec-20</u>	<u>Jan-21</u>
RUS - Series B Nore	2								
Colamba	-								
CFC - Series 2012B Refinance Note			\$		\$,	\$, ,	\$ · · · · · · · · · · · · · · · · · · ·	\$ 	\$, , ,
CFC - Series 2012 Bequity Note 133,349,43 130,503,33 131,521.44 120,785.00 134,129.48 176,162.3	-			· · · · · · · · · · · · · · · · · · ·		,		,	
Series 2010A P.C. Bonds	6			808,783.75	774,173.63	798,896.26	774,173.66	788,200.05	788,200.05
CFC - Series 2017B Refinance Note	7	1 2							-
SBA ONB PPP 2020 Loan	8			133,349.43	130,503.33	131,521.44	120,785.00	134,129.48	176,162.38
RUS Guaranteed FFB Loan W8	9	CFC - Series 2017B Refinance Note		-	-	-	-	-	-
RUS Guaranteed FFB Loan X8	10	SBA ONB PPP 2020 Loan		8,443.21	8,170.85	8,443.21	8,170.85	8,443.21	8,443.21
RUS-FFB 2021 Loan (Y8 A) RUS-FFB 2022 Loan (Y8 B) RUS-FFB 2022 Loan (Y8 B) RUS-FFB 2022 Loan (A8) RUS-FFB 2022	11	RUS Guaranteed FFB Loan W8		58,469.37	56,583.26	57,484.60	55,630.25	57,484.60	56,647.92
RUS-FFB 2022 Loan (AA8) CFC & Farmer Mac 2022 CFC 2023 Loan 1 RUS-FFB 2022 Loan (AA8) CFC 2023 Loan 1 RUS-FFB 2022 Loan (AA8) CFC 2023 Loan 2 Rus	12	RUS Guaranteed FFB Loan X8		43,683.70	42,274.55	43,355.72	41,957.15	43,355.72	43,143.30
RUS-FFB 2022 Loan (AA8) CFC & Farmer Mac 2022 CFC & Farmer Mac 2022 CFC 2023 Loan 1 CFC 2023 Loan 2 CFC 2023	13	RUS-FFB 2021 Loan (Y8 A)							
CFC & Farmer Mac 2022 CFC 2023 Loan 1 CFC 2023 Loan 2	14	RUS-FFB 2022 Loan (Y8 B)							
CFC 2023 Loan 1 CFC 2023 Loan 2 CFC 2023 L	15	RUS-FFB 2022 Loan (AA8)							
CFC 2023 Loan 2 Total Monthly Interest Expense on Long-Term Debt \$2,654,365.48 \$2,561,675.96 \$2,646,109.54 \$2,555,305.60 \$2,638,021.35 \$2,686,652.72 Total Outstanding Long-Term Debt (Beginning of Month) \$710,367,495.42 \$707,023,450.29 \$706,814,390.17 \$706,814,390.17 \$706,436,486.58 \$703,235,567.97 Total Outstanding Long-Term Debt (End of Month) \$708,695,472.86 \$708,023,450.29 \$706,814,390.17 \$706,814,390.17 \$706,436,486.58 \$703,235,567.97 Total Outstanding Long-Term Debt (End of Month) \$708,695,472.86 \$706,814,390.17 \$706,814,390.17 \$706,436,486.58 \$703,235,567.97 Total Outstanding Long-Term Debt (End of Month) \$708,695,472.86 \$706,918,920.23 \$706,814,390.17 \$706,436,486.58 \$703,235,567.97 Total Outstanding Long-Term Debt (End of Month) \$708,695,472.86 \$706,814,390.17 \$706,814,390.17 \$706,436,486.58 \$703,235,567.97 Total Outstanding Long-Term Debt (End of Month) \$708,695,472.86 \$706,814,390.17 \$706,814,390.17 \$706,436,486.58 \$703,235,567.97 Total Outstanding Long-Term Debt (End of Month) \$708,695,472.86 \$706,814,390.17 \$706,814,390.17 \$706,436,486.58 \$703,235,567.97 Total Outstanding Long-Term Debt (End of Month) \$708,695,472.86 \$706,814,390.17 \$706,814,390.17 \$706,814,390.17 \$706,436,486.58 \$703,235,567.97 Total Outstanding Long-Term Debt (End of Month) \$708,695,472.86 \$706,814,390.17 \$	16	CFC & Farmer Mac 2022							
Total Monthly Interest Expense on Long-Term Debt \$2,654,365.48 \$2,561,675.96 \$2,646,109.54 \$2,555,305.60 \$2,638,021.35 \$2,686,652.72 Total Outstanding Long-Term Debt (Beginning of Month) \$710,367,495.42 \$707,023,450.29 \$706,814,390.17 \$706,814,390.17 \$706,436,486.58 \$703,235,567.97 Total Outstanding Long-Term Debt (End of Month) \$708,695,472.86 \$706,918,920.23 \$706,814,390.17 \$706,625,438.38 \$704,836,027.28 \$703,235,567.97 Total Outstanding Long-Term Debt during Month \$708,695,472.86 \$706,918,920.23 \$706,814,390.17 \$706,625,438.38 \$704,836,027.28 \$703,235,567.97 Total Outstanding Long-Term Debt during Month \$708,695,472.86 \$706,918,920.23 \$706,814,390.17 \$706,625,438.38 \$704,836,027.28 \$703,235,567.97 Total Outstanding Long-Term Debt during Month \$708,695,472.86 \$706,918,920.23 \$706,814,390.17 \$706,625,438.38 \$704,836,027.28 \$703,235,567.97 Total Outstanding Long-Term Debt during Month \$708,695,472.86 \$706,918,920.23 \$706,814,390.17 \$706,625,438.38 \$704,836,027.28 \$703,235,567.97 Total Outstanding Long-Term Debt during Month \$708,695,472.86 \$706,918,920.23 \$706,814,390.17 \$706,625,438.38 \$704,836,027.28 \$703,235,567.97 Total Outstanding Long-Term Debt during Month \$708,695,472.86 \$706,918,920.23 \$706,814,390.17 \$706,625,438.38 \$704,836,027.28 \$703,235,567.97 Total Outstanding Long-Term Debt during Month \$708,695,472.86 \$706,918,920.23 \$706,814,390.17 \$706,625,438.38 \$704,836,027.28 \$703,235,567.97 Total Outstanding Long-Term Debt during Month \$708,695,472.86 \$706,918,920.23 \$706,814,390.17 \$706,625,438.38 \$704,836,027.28 \$703,235,567.97 Total Outstanding Long-Term Debt during Month \$708,695,472.86 \$706,918,920.23 \$706,814,390.17 \$706,625,438.38 \$704,836,027.28 \$708,695,472.86 \$708,695,472.86 \$708,695,472.86 \$708,695,472.86 \$708,695,472.86 \$708,695,472.86 \$708,695,472.86 \$708,695,472.86 \$708,695,472.86 \$708,	17	CFC 2023 Loan 1							
Total Outstanding Long-Term Debt (Beginning of Month) \$710,367,495.42 \$707,023,450.29 \$706,814,390.17 \$706,814,390.17 \$706,436,486.58 \$703,235,567.97 \$703,235	18	CFC 2023 Loan 2							
Total Outstanding Long-Term Debt (Beginning of Month) \$710,367,495.42 \$707,023,450.29 \$706,814,390.17 \$706,814,390.17 \$706,436,486.58 \$703,235,567.97 \$703,235									
Total Outstanding Long-Term Debt (Beginning of Month) 710,367,495.42 707,023,450.29 706,814,390.17 706,814,390.17 706,436,486.58 703,235,567.97	- (a) Total Monthly Interest Expense on Long-Term Debt	\$	2,654,365.48	\$ 2,561,675.96	\$ 2,646,109.54	\$ 2,555,305.60	\$ 2,638,021.35	\$ 2,686,652.72
Total Outstanding Long-Term Debt (End of Month) 707,023,450.29 706,814,390.17 706,814,390.17 706,436,486.58 703,235,567.97 703,2									
Average Outstanding Long-Term Debt during Month 708,695,472.86 706,918,920.23 706,814,390.17 706,625,438.38 704,836,027.28 703,235,567.97	21		\$	710,367,495.42	\$ 707,023,450.29	\$ 706,814,390.17	\$ 706,814,390.17	\$ 706,436,486.58	\$ 703,235,567.97
24	22			707,023,450.29	706,814,390.17		706,436,486.58	703,235,567.97	703,235,567.97
25 (c) Number of Days During Year 365	,	b) Average Outstanding Long-Term Debt during Month	\$	708,695,472.86	\$ 706,918,920.23	\$ 706,814,390.17	\$ 706,625,438.38	\$ 704,836,027.28	\$ 703,235,567.97
26 Number of Days During Month 31 30 31 30 31 31 31 32 31 32 31 32 31 32 31 32 31 32 31 32 32	24								
27 (d) Number of Days During Month 31 30 31 30 31 31 32 31 32 31 32 32	25 (c) Number of Days During Year		365	365	365	365	366	365
28	26								
29 (e) Average Cost of Debt [(a) ÷ (b)] x [(c) ÷ (d)] 4.41% 4.41% 4.41% 4.40% 4.40% 4.42% 4.50% 30 31 (f) Applicable TIER (1) 1.24 1.24 1.24 1.24 1.24 1.24 1.24 1.24	27 (d) Number of Days During Month		31	30	31	30	31	31
31 (f) Applicable TIER (1) 32	28								
31 (f) Applicable TIER (1) 32	29 (Average Cost of Debt $[(a) \div (b)] \times [(c) \div (d)]$		4.41%	4.41%	4.41%	4.40%	4.42%	4.50%
32 33 (g) Rate of Return on Environmental Compliance Rate Base [(e) x (f)] 5.47% 5.47% 5.46% 5.46% 5.48% 5.58%	30								
32 33 (g) Rate of Return on Environmental Compliance Rate Base [(e) x (f)] 5.47% 5.47% 5.47% 5.46% 5.48% 5.58%	31 ((f) Applicable TIER (1)		1.24	1.24	1.24	1.24	1.24	1.24
33 (g) Rate of Return on Environmental Compliance Rate Base [(e) x (f)] 5.47% 5.47% 5.46% 5.48% 5.58%		,,pp TEST		1.24	1.24	1.24	1.24	1.27	1.27
		Rate of Return on Environmental Compliance Rate Base	f(e) x (f)	5,47%	5.47%	5.47%	5.46%	5,48%	5.58%
34	34	1		2.1.70			2.1070	2.1070	2.2374

Notes:

(1) Applicable Times Interest Earned Ratio ("TIER") for calculating the Rate of Return on Environmental Compliance Rate Base per Big Rivers' Environmental Surcharge Tariff approved by Order of the Commission dated October 1, 2012 (Case No. 2012-00063).

Case No. 2023-00373 Attachment for Response to Staff Item 4 Witness: Christopher A. Warren Page 3 of 8

Calculations for Rates of Return on Environmental Compliance Rate Base For the Expense Months: August 2019 to July 2023

Calculations of Monthly Rates of Return on Environmental Compliance Rate Base

1	Expe	ense Month:	<u>Feb-21</u>		<u>Mar-21</u>		<u>Apr-21</u>		<u>May-21</u>		<u>Jun-21</u>		<u>Jul-21</u>
2	Monthly Interest Expense on Long-Term Debt (by Obligation	-)-											
3 4	RUS - Series B Note	<u>1)</u> : \$	918,944.34	¢	1.017.402.66	Ф	998,660.81	Ф	1,031,949.50	¢	998,660.81	Ф	1,046,868.27
5	CoBank - Series 2012A Notes	Ф	538,912.57	Ф	596.653.20	Ф	567.899.21	Ф	586,829.18	Ф	567,899.21	Ф	576,888.50
6	CFC - Series 2012A Notes CFC - Series 2012B Refinance Note		713,141.89		777,395.55		752,671.22		775,996.16		742,402.47		765,577.28
7	CFC - Series 2012B Retinance Note		713,141.07		-		732,071.22		773,770.10		742,402.47		703,377.20
8	Series 2010A P.C. Bonds		164,797.07		176,162.38		170,479.73		176,162.38		170,479.73		176,162.38
9	CFC - Series 2017B Refinance Note		-		-		-		-		-		-
10	SBA ONB PPP 2020 Loan		7,626.13		8,443.21		8,170.85		8,443.21		8,170.85		(118,749.68)
11	RUS Guaranteed FFB Loan W8		51,165.85		56,647.92		53,844.82		55,639.65		53,844.81		54,628.78
12	RUS Guaranteed FFB Loan X8		38,968.14		43,143.30		41,423.18		42,803.95		41,423.18		42,465.54
13	RUS-FFB 2021 Loan (Y8 A)		20,, 2012		,		,		,		,		,
14	RUS-FFB 2022 Loan (Y8 B)												
15	RUS-FFB 2022 Loan (AA8)												
16	CFC & Farmer Mac 2022												
17	CFC 2023 Loan 1												
18	CFC 2023 Loan 2												
				_	==	_		_		_		_	
- (a) Total Monthly Interest Expense on Long-Term Debt	\$	2,433,555.99	\$	2,675,848.22	\$	2,593,149.82	\$	2,677,824.03	\$	2,582,881.06	\$	2,543,841.07
20	T-10				<								
21	Total Outstanding Long-Term Debt (Beginning of Month)	\$	703,235,567.97	\$	699,823,463.11	\$,,	\$	699,568,143.65	\$	699,121,491.23	\$	695,909,483.60
22	Total Outstanding Long-Term Debt (End of Month)		699,823,463.11	ф	699,568,143.65	ф	699,568,143.65	ф	699,121,491.23	ф	695,909,483.60	ф	685,968,283.60
- 1	b) Average Outstanding Long-Term Debt during Month	\$	701,529,515.54	\$	699,695,803.38	\$	699,568,143.65	\$	699,344,817.44	\$	697,515,487.42	\$	690,938,883.60
24			265		265		265		265		265		265
	c) Number of Days During Year		365		365		365		365		365		365
26	I) Novel or of Deep Deep And		20		31		30		31		20		21
27 (28	d) Number of Days During Month		28		31		30		31		30		31
	(e) Average Cost of Debt $[(a) \div (b)] \times [(c) \div (d)]$		4.52%		4.50%		4.51%		4.51%		4.51%		4.33%
30	e) Average Cost of Debt $[(a) + (b)] \times [(c) + (a)]$		4.32%		4.30%		4.31%		4.31%		4.31%		4.33%
	(1)												
	(f) Applicable TIER (1)		1.24		1.24		1.24		1.24		1.24		1.24
32	D-4fD-4	(6)1	= <0.07		# #00/		= =00/		= =00/		# #00/		- a:
**	g) Rate of Return on Environmental Compliance Rate Base $f(e)$	x (J)]	5.60%		5.58%		5.59%		5.59%		5.59%		5.37%
34													

Notes:

(1) Applicable Times Interest Earned Ratio ("TIER") for calculating the Rate of Return on Environmental Compliance Rate Base per Big Rivers' Environmental Surcharge Tariff approved by Order of the Commission dated October 1, 2012 (Case No. 2012-00063).

Case No. 2023-00373 Attachment for Response to Staff Item 4 Witness: Christopher A. Warren Page 4 of 8

Calculations for Rates of Return on Environmental Compliance Rate Base For the Expense Months: August 2019 to July 2023

Calculations of Monthly Rates of Return on Environmental Compliance Rate Base

1	Expense Mont	h:	<u>Aug-21</u>		<u>Sep-21</u>		Oct-21		<u>Nov-21</u>		<u>Dec-21</u>		<u>Jan-22</u>
2	M dl I (F												
3	Monthly Interest Expense on Long-Term Debt (by Obligation):		4 0 4 5 0 5 0 2 0		4 044 000 44		10001001				105215001		1055 400 11
4	RUS - Series B Note	\$	1,046,868.28	\$	1,013,098.33	\$, ,	\$	1,027,905.52	\$	1,062,169.04	\$	1,077,693.44
5	CoBank - Series 2012A Notes		576,888.50		558,279.21		566,829.78		548,544.95		566,829.78		556,651.61
6	CFC - Series 2012B Refinance Note		763,016.91		730,826.48		754,002.13		729,406.86		742,303.99		742,303.99
7	CFC - Series 2012B Equity Note		-		-		-		-		-		-
8	Series 2010A P.C. Bonds		176,162.38		170,479.73		176,162.38		170,479.73		176,162.38		176,162.38
9	CFC - Series 2017B Refinance Note		-		-		-		-		-		-
10	SBA ONB PPP 2020 Loan		-		-		-		-		-		-
11	RUS Guaranteed FFB Loan W8		54,628.78		52,866.55		53,615.14		51,885.62		53,615.14		52,744.39
12	RUS Guaranteed FFB Loan X8		42,465.54		41,095.70		42,128.04		40,769.07		42,128.04		41,842.52
13	RUS-FFB 2021 Loan (Y8 A)						-		15,620.82		40,353.78		40,353.78
14	RUS-FFB 2022 Loan (Y8 B)						-		-		-		-
15	RUS-FFB 2022 Loan (AA8)						-		-		-		-
16	CFC & Farmer Mac 2022						-		-		-		-
17	CFC 2023 Loan 1												
18	CFC 2023 Loan 2												
19	(a) Total Monthly Interest Expense on Long-Term Debt	\$	2,660,030.39	\$	2,566,646.00	\$	2,654,906.51	\$	2,584,612.57	\$	2,683,562.15	\$	2,687,752.11
20 21	Total Outstanding Long-Term Debt (Beginning of Month)	•	685,968,283.60	\$	682,495,585.54	\$	682,328,470.21	\$	682,328,407.21	\$	703,360,874.74	¢	703,764,325.34
22	Total Outstanding Long-Term Debt (End of Month) Total Outstanding Long-Term Debt (End of Month)	φ	682,495,585.54	φ	682,328,470.21	φ	682,328,407.21	φ	703,360,874.74	φ	703,764,325.34		703,704,323.34
	(b) Average Outstanding Long-Term Debt during Month	•	684,231,934.57	\$		Ф		Ф		\$			703,488,131.38
24	Average Outstanding Long-Term Debt during Worth	Φ	004,231,934.37	Ф	002,412,027.00	Φ	002,320,430.71	Ф	092,044,040.90	Φ	703,302,000.04	Ф	703,400,131.30
	(c) Number of Days During Year		365		365		365		365		365		365
26	(c) Number of Days During Teal		303		303		303		303		303		303
	(d) Number of Days During Month		31		30		31		30		31		31
28	(°)												
29	(e) Average Cost of Debt $[(a) \div (b)] \times [(c) \div (d)]$		4.58%		4.58%		4.58%		4.54%		4.49%		4.50%
30	(1)												
31 32	(f) Applicable TIER (1)		1.24		1.24		1.24		1.24		1.24		1.24
	(g) Rate of Return on Environmental Compliance Rate Base [(e) x (f)]	_	5.68%		5.68%		5.68%		5.63%		5.57%		5.58%
34													

Notes:

(1) Applicable Times Interest Earned Ratio ("TIER") for calculating the Rate of Return on Environmental Compliance Rate Base per Big Rivers' Environmental Surcharge Tariff approved by Order of the Commission dated October 1, 2012 (Case No. 2012-00063).

Case No. 2023-00373 Attachment for Response to Staff Item 4 Witness: Christopher A. Warren Page 5 of 8

Calculations for Rates of Return on Environmental Compliance Rate Base For the Expense Months: August 2019 to July 2023

Calculations of Monthly Rates of Return on Environmental Compliance Rate Base

1	Expense Mo	nth:	<u>Feb-22</u>		<u>Mar-22</u>		<u>Apr-22</u>		<u>May-22</u>		<u>Jun-22</u>		<u>Jul-22</u>
2	M dl I (E T Dl d Oll d)												
3	Monthly Interest Expense on Long-Term Debt (by Obligation):	_		_		_		_		_		_	
4	RUS - Series B Note	\$	973,400.53	\$		\$	1,057,840.95	\$	649,814.92	\$, , ,	\$	1,108,905.16
5	CoBank - Series 2012A Notes		502,782.10		556,651.62		528,728.30		546,352.58		528,728.30		535,931.24
6	CFC - Series 2012B Refinance Note		671,351.61		730,481.62		707,304.07		727,913.23		696,044.34		717,568.69
7	CFC - Series 2012B Equity Note		-		-				-		-		-
8	Series 2010A P.C. Bonds		159,114.41		176,162.39		170,479.73		176,162.38		170,479.73		176,162.38
9	CFC - Series 2017B Refinance Note		-		-		-		-		-		-
10	SBA ONB PPP 2020 Loan		-		-		-		-		-		-
11	RUS Guaranteed FFB Loan W8		47,515.56		52,566.27		49,896.41		51,559.63		49,896.41		50,521.26
12	RUS Guaranteed FFB Loan X8		37,752.92		41,785.15		40,102.78		41,439.55		40,102.78		41,091.58
13	RUS-FFB 2021 Loan (Y8 A)		36,448.57		40,353.75		39,052.04		40,353.78		39,052.02		40,353.79
14	RUS-FFB 2022 Loan (Y8 B)		-		-		-		281,014.13		337,216.95		348,457.52
15	RUS-FFB 2022 Loan (AA8)		10,926.57		112,907.96		109,265.75		112,907.94		109,265.76		112,907.94
16	CFC & Farmer Mac 2022		-		-		99,488.89		385,519.44		373,594.41		446,722.22
17	CFC 2023 Loan 1												
18	CFC 2023 Loan 2												
19 20	(a) Total Monthly Interest Expense on Long-Term Debt	\$	2,439,292.27	\$	2,788,602.20	\$	2,802,158.92	\$	3,013,037.58	\$	3,845,509.04	\$	3,578,621.78
21	Total Outstanding Long-Term Debt (Beginning of Month)	\$	703,211,937.41	\$	757,165,052.48	\$	756,932,790.95	\$	856,932,790.95	\$	853,348,220.41	\$	853,170,632.80
22	Total Outstanding Long-Term Debt (End of Month)	Ψ	757,165,052.48	Ψ	756,932,790.95	Ψ	856,932,790.95	Ψ	864,500,907.55	Ψ	853,170,632.80		903,170,632.80
23	(b) Average Outstanding Long-Term Debt during Month	- \$		\$	757,048,921.72	\$		\$		\$	853,259,426.61		878,170,632.80
24	(10)		,,	-	, ,	•	,	-	,,	_	,,	•	,,
25	(c) Number of Days During Year		365		365		365		365		365		365
26	(c) Trained of Buye Burning Tour		505		505		202		202		202		202
27	(d) Number of Days During Month		28		31		30		31		30		31
28	(a) Namoor of Bajo Baring Monai				51		50		31		20		01
29	(e) Average Cost of Debt $[(a) \div (b)] \times [(c) \div (d)]$		4.35%		4.34%		4.23%		4.12%		5.48%		4.80%
30	(b) The tage cost of Decription . (b) is the first tage		115570				2570		2,0		21.1070		110070
31 32	(f) Applicable TIER (1)		1.24		1.24		1.24		1.24		1.24		1.24
33	(g) Rate of Return on Environmental Compliance Rate Base [(e) x (f)]		5.39%		5.38%		5.25%		5.11%		6.80%		5.95%
34													

Notes:

Case No. 2023-00373 Attachment for Response to Staff Item 4 Witness: Christopher A. Warren Page 6 of 8

⁽¹⁾ Applicable Times Interest Earned Ratio ("TIER") for calculating the Rate of Return on Environmental Compliance Rate Base per Big Rivers' Environmental Surcharge Tariff approved by Order of the Commission dated October 1, 2012 (Case No. 2012-00063).

Calculations for Rates of Return on Environmental Compliance Rate Base For the Expense Months: August 2019 to July 2023

Calculations of Monthly Rates of Return on Environmental Compliance Rate Base

1	Expense Mont	h:	<u>Aug-22</u>		<u>Sep-22</u>		Oct-22		<u>Nov-22</u>		<u>Dec-22</u>		<u>Jan-23</u>
2	Malling and the Distance of the Control of the Cont												
3	Monthly Interest Expense on Long-Term Debt (by Obligation):				4 050 404 00				1 000 010 50		= 00= 44 2 00		
4	RUS - Series B Note	\$	1,108,905.17	\$		\$		\$	1,088,818.68	\$	7,987,413.89	\$	570,751.05
5	CoBank - Series 2012A Notes		535,931.24		518,643.14		525,386.15		508,438.21		525,386.14		514,715.83
6	CFC - Series 2012B Refinance Note		712,866.74		683,700.00		705,225.32		679,024.53		692,747.75		692,747.75
7	CFC - Series 2012B Equity Note		-		-		-		-		-		-
8	Series 2010A P.C. Bonds		176,162.38		170,479.73		176,162.38		170,479.73		176,162.38		176,162.38
9	CFC - Series 2017B Refinance Note		-		-		-		-		-		-
10	SBA ONB PPP 2020 Loan		-		-		-		-		-		-
11	RUS Guaranteed FFB Loan W8		50,521.26		48,891.54		49,479.64		47,883.52		49,479.64		48,441.92
12	RUS Guaranteed FFB Loan X8		41,091.58		39,766.04		40,744.34		39,430.00		40,744.34		40,404.05
13	RUS-FFB 2021 Loan (Y8 A)		40,353.78		39,052.01		40,353.78		39,052.04		40,353.78		40,353.78
14	RUS-FFB 2022 Loan (Y8 B)		348,457.52		337,216.96		348,457.52		337,216.95		348,457.52		348,457.52
15	RUS-FFB 2022 Loan (AA8)		112,907.94		109,265.77		112,907.94		109,265.75		112,907.94		112,907.94
16	CFC & Farmer Mac 2022		573,916.66		580,611.12		571,009.74		571,009.74		571,009.74		566,564.42
17	CFC 2023 Loan 1												
18	CFC 2023 Loan 2												
19 20	(a) Total Monthly Interest Expense on Long-Term Debt	\$	3,701,114.27	\$	3,600,760.34	\$	3,694,839.45	\$	3,590,619.15	\$	10,544,663.12	\$	3,111,506.64
21	Total Outstanding Long-Term Debt (Beginning of Month)	\$	903,170,632.80	\$	899.557.774.97	\$	898,648,490.72	\$	898,648,490.72	\$	894,996,343.06	\$	900 584 433 27
22	Total Outstanding Long-Term Debt (End of Month)	-	899,557,774.97	_	898,648,490.72	_	898,648,490.72	-	894,996,343.06	_	900,584,433.27		900,584,433.27
23	(b) Average Outstanding Long-Term Debt during Month	\$		\$	899,103,132.85	\$		\$		\$			900,584,433.27
24	(0)	•	,,	_	,,	_		-	,,	_		•	,
25	(c) Number of Days During Year		365		365		365		365		365		365
26	(17)												
27	(d) Number of Days During Month		31		30		31		30		31		31
28	(w) Tumost of Buyo Buring Monai		51		50		31		50		01		
29	(e) Average Cost of Debt $f(a) \div (b) x f(c) \div (d) $	_	4.83%		4.87%		4.84%		4.87%		13.83%		4.07%
30	(c) Though cost of Bent [(u) : (b)] x [(c) : (u)]		1.0370		1.0770		1.0170		1.0770		15.6570		1.0770
31	(f) Applicable TIER (1)		1.24		1.24		1.24		1.24		1.24		1.24
32 33	(g) Rate of Return on Environmental Compliance Rate Base $[(e) x (f)]$	_	5.99%		6.04%		6.00%		6.04%		17.15%		5.05%
34	1				2.3.70		2.3070		2.3.70		v		2

Notes:

Case No. 2023-00373 Attachment for Response to Staff Item 4 Witness: Christopher A. Warren Page 7 of 8

⁽¹⁾ Applicable Times Interest Earned Ratio ("TIER") for calculating the Rate of Return on Environmental Compliance Rate Base per Big Rivers' Environmental Surcharge Tariff approved by Order of the Commission dated October 1, 2012 (Case No. 2012-00063).

Calculations for Rates of Return on Environmental Compliance Rate Base For the Expense Months: August 2019 to July 2023

Calculations of Monthly Rates of Return on Environmental Compliance Rate Base

1	1	Expense Month:	<u>Feb-23</u>		<u>Mar-23</u>		<u>Apr-23</u>		<u>May-23</u>		<u>Jun-23</u>		<u>Jul-23</u>
2	Monthly Interest Expense on Long-Term Debt (by Obliga	ation):											
3 1	RUS - Series B Note	<u></u>	515,517.07	¢	570,751.05	¢	560,237.08	¢	578,911.65	¢	560,237.08	¢	587,280.91
5	CoBank - Series 2012A Notes	Ф	464.904.62	Ф	514.371.63	Ф	487.663.37	Ф	503,918.81	Φ	487,663.36	Ф	492,993.57
6	CFC - Series 2012B Refinance Note		623,542.68		680,134.48		658,607.08		675,409.35		646,582.48		666,366.43
7	CFC - Series 2012B Reminate Note		023,342.00		000,134.40		030,007.00		073,407.33		040,302.40		1.00
8	Series 2010A P.C. Bonds		159,114.41		176,162.39		170,479.73		176,162.38		170,479.73		176,162.38
9	CFC - Series 2017B Refinance Note		137,114.41		170,102.37		170,477.73		170,102.30		170,477.73		170,102.50
10	SBA ONB PPP 2020 Loan		_						_				_
11	RUS Guaranteed FFB Loan W8		43,753.99		48,542.36		45,840.20		47,368.19		45,840.20		46,301.59
12	RUS Guaranteed FFB Loan X8		36,493.98		40,436.98		38,744.89		40,036.39		38,744.89		39,678.60
13	RUS-FFB 2021 Loan (Y8 A)		36,448.57		40,353.74		39,052.05		40,353.78		39,052.01		40,353.79
14	RUS-FFB 2022 Loan (Y8 B)		314,735.83		348,457.53		337,216.95		348,457.52		337,216.97		348,457.52
15	RUS-FFB 2022 Loan (AA8)		101,981.37		112,907.97		109,265.75		112,907.94		109,265.76		112,907.94
16	CFC & Farmer Mac 2022		566,564.42		566,564.44		562,068.07		562,068.07		562,068.04		557,520.05
17	CFC 2023 Loan 1		300,301.12		200,201.11		302,000.07		302,000.07		52,986.11		158,958.33
18	CFC 2023 Loan 2										22,700.11		113,541.67
19	(a) Total Monthly Interest Expense on Long-Term Debt	\$	2,863,056.94	\$	3,098,682.57	\$	3,009,175.17	\$	3,085,594.08	\$	3,050,136.63	\$	3,340,523.78
20													
21	Total Outstanding Long-Term Debt (Beginning of Month)	\$	900,584,433.27	\$	896,892,568.51	\$	893,862,807.42	\$	893,862,807.42	\$	890,130,793.67	\$	947,102,202.93
22	Total Outstanding Long-Term Debt (End of Month)		896,892,568.51		893,862,807.42		893,862,807.42		890,130,793.67		947,102,202.93		947,102,202.93
23	(b) Average Outstanding Long-Term Debt during Month	\$	898,738,500.89	\$	895,377,687.97	\$	893,862,807.42	\$	891,996,800.55	\$	918,616,498.30	\$	947,102,202.93
24													
25	(c) Number of Days During Year		365		365		365		365		365		365
26													
27	(d) Number of Days During Month		28		31		30		31		30		31
28	-												
29	(e) Average Cost of Debt $[(a) \div (b)] \times [(c) \div (d)]$		4.15%		4.07%		4.10%		4.07%		4.04%		4.15%
30													
31	(f) Applicable TIER (1)		1.24		1.24		1.24		1.24		1.24		1.24
32													
33	(g) Rate of Return on Environmental Compliance Rate Base	[(e) x (f)]	5.15%		5.05%		5.08%		5.05%		5.01%		5.15%

Notes:

34

(1) Applicable Times Interest Earned Ratio ("TIER") for calculating the Rate of Return on Environmental Compliance Rate Base per Big Rivers' Environmental Surcharge Tariff approved by Order of the Commission dated October 1, 2012 (Case No. 2012-00063).

Case No. 2023-00373 Attachment for Response to Staff Item 4 Witness: Christopher A. Warren Page 8 of 8

ELECTRONIC EXAMINATION BY THE PUBLIC SERVICE COMMISSION OF THE ENVIRONMENTAL SURCHARGE MECHANISM OF BIG RIVERS ELECTRIC CORPORATION FOR THE SIX-MONTH BILLING PERIODS ENDING JANUARY 31, 2020, JULY 31, 2020, JANUARY 31, 2021, JANUARY 31, 2022, JULY 31, 2022, AND JANUARY 31, 2023, THE TWO-YEAR EXPENSE PERIODS ENDING JULY 31, 2021, AND JULY 31, 2023, AND THE PASS THROUGH MECHANISM OF ITS THREE MEMBER DISTRIBUTION COOPERATIVES CASE NO. 2023-00373

RESPONSE OF BIG RIVERS ELECTRIC CORPORATION TO COMMISSION STAFF'S FIRST REQUEST FOR INFORMATION DATED DECEMBER 8, 2023

January 17, 2024

- Item 5) This request is addressed to BREC. KRS 278.183(3) provides that during the two-year review the Commission shall, to the extent appropriate, incorporate environmental surcharge amounts found just and reasonable into the existing base rates of the utility.
- a. State whether BREC believes any surcharge amounts need to be incorporated into its base rates in conjunction with these two-year reviews. If so, provide the surcharge amount that BREC believes should be incorporated into its existing base rates.
- b. For subpart a. above, explain how the surcharge amount should be incorporated into the base rates, including all supporting calculations, workpapers, and assumptions as well as any analysis that BREC believes supports its position. Provide all supporting schedules in Excel spreadsheet format, with formulas intact and unprotected and all rows and columns fully accessible.

Case No. 2023-00373 Response to Staff Item 5 Witness: Christopher A. Warren

Page 1 of 5

ELECTRONIC EXAMINATION BY THE PUBLIC SERVICE COMMISSION OF THE ENVIRONMENTAL SURCHARGE MECHANISM OF BIG RIVERS ELECTRIC CORPORATION FOR THE SIX-MONTH BILLING PERIODS ENDING JANUARY 31, 2020, JULY 31, 2020, JANUARY 31, 2021, JANUARY 31, 2022, JULY 31, 2022, AND JANUARY 31, 2023, THE TWO-YEAR EXPENSE PERIODS ENDING JULY 31, 2021, AND JULY 31, 2023, AND THE PASS THROUGH MECHANISM OF ITS THREE MEMBER DISTRIBUTION COOPERATIVES CASE NO. 2023-00373

RESPONSE OF BIG RIVERS ELECTRIC CORPORATION TO COMMISSION STAFF'S FIRST REQUEST FOR INFORMATION DATED DECEMBER 8, 2023

January 17, 2024

- c. Provide the Base Environmental Surcharge Factor (BESF) that reflects all environmental surcharge amounts previously incorporated into existing base rates and the amount determined in subpart b. above. Include all supporting calculations, workpapers, and assumptions. Provide all supporting schedules in Excel spreadsheet format, with formulas intact and unprotected and all rows and columns fully accessible.
- d. State whether BREC believes that there will need to be modifications to either the surcharge mechanism or the monthly surcharge reports, other than a revision to BESF, as a result of incorporating environmental surcharge amounts into BREC's existing base rates. If so, provide a detailed explanation of the modifications and provide updated monthly surcharge reports.

Case No. 2023-00373 Response to Staff Item 5 Witness: Christopher A. Warren

Page 2 of 5

ELECTRONIC EXAMINATION BY THE PUBLIC SERVICE COMMISSION OF THE ENVIRONMENTAL SURCHARGE MECHANISM OF BIG RIVERS ELECTRIC CORPORATION FOR THE SIX-MONTH BILLING PERIODS ENDING JANUARY 31, 2020, JULY 31, 2020, JANUARY 31, 2021, JANUARY 31, 2022, JULY 31, 2022, AND JANUARY 31, 2023, THE TWO-YEAR EXPENSE PERIODS ENDING JULY 31, 2021, AND JULY 31, 2023, AND THE PASS THROUGH MECHANISM OF ITS THREE MEMBER DISTRIBUTION COOPERATIVES CASE NO. 2023-00373

RESPONSE OF BIG RIVERS ELECTRIC CORPORATION TO COMMISSION STAFF'S FIRST REQUEST FOR INFORMATION DATED DECEMBER 8, 2023

January 17, 2024

Response) Big Rivers does not believe any surcharge amounts need to be incorporated into its base rates in conjunction with these two-year reviews. This position aligns with Big Rivers' Members' request that any amount appearing in the ES line of a customer's billing statement represent a customer's total portion of his or her environmental compliance charges, versus having a portion of those charges embedded in Big Rivers' base rates.

Commission Staff previously noted this position in its Informal Conference (IC) Memo, dated March 23, 2016, in Case No. 2015-00320. In its Order dated May 31, 2016, in the same case, the Commission noted that Big Rivers' position was reasonable at the time of the Order. Subsequently, the Commission made the same

¹ See In the Matter of: An Examination by the Public Service Commission of the Environmental Surcharge Mechanism of Big Rivers Electric Corporation for the Two-Year Billing Period Ending June 31, 2015 and the Pass Through Mechanism of its Member Distribution Cooperatives, Case No. 2015-00320, IC Memo (Mar. 23, 2015).

² Id., Order (May 31, 2016), at p. 7.

ELECTRONIC EXAMINATION BY THE PUBLIC SERVICE COMMISSION OF THE ENVIRONMENTAL SURCHARGE MECHANISM OF BIG RIVERS ELECTRIC CORPORATION FOR THE SIX-MONTH BILLING PERIODS ENDING JANUARY 31, 2020, JULY 31, 2020, JANUARY 31, 2021, JANUARY 31, 2022, JULY 31, 2022, AND JANUARY 31, 2023, THE TWO-YEAR EXPENSE PERIODS ENDING JULY 31, 2021, AND JULY 31, 2023, AND THE PASS THROUGH MECHANISM OF ITS THREE MEMBER DISTRIBUTION COOPERATIVES CASE NO. 2023-00373

RESPONSE OF BIG RIVERS ELECTRIC CORPORATION TO COMMISSION STAFF'S FIRST REQUEST FOR INFORMATION DATED DECEMBER 8, 2023

January 17, 2024

finding in both its Order dated February 27, 2018, in Case No. 2017-00345³ and in its Order dated October 27, 2020, in Case No. 2020-00144.⁴ Big Rivers' Members' position is unchanged from the earlier two-year review. Therefore, Big Rivers believes this position remains reasonable and does not recommend any roll-in into its base rates.

- b. Not Applicable.
- c. Not Applicable.
- d. Not Applicable.

³ See In the Matter of: An Examination by the Public Service Commission of the Environmental Surcharge Mechanism of Big Rivers Electric Corporation for the Six-Month Billing Period Ending January 31, 2017, for the Two-Year Billing Period Ending July 31, 2017 and the Pass Through Mechanism of Its Three Member Distribution Cooperatives, Case No. 2017-00345, Order (Feb. 27, 2018), at p. 7.

⁴ See In the Matter of: Electronic Examination by the Public Service Commission of the Environmental Surcharge Mechanism of Big Rivers Electric Corporation for the Two-Year Billing Period Ending July 31, 2019, and the Pass Through Mechanism of Its Three Member Distribution Cooperatives, Case No. 2020-00144, Order (Oct. 27, 2020), at p. 5.

ELECTRONIC EXAMINATION BY THE PUBLIC SERVICE COMMISSION OF THE ENVIRONMENTAL SURCHARGE MECHANISM OF BIG RIVERS ELECTRIC CORPORATION FOR THE SIX-MONTH BILLING PERIODS ENDING JANUARY 31, 2020, JULY 31, 2020, JANUARY 31, 2021, JANUARY 31, 2022, JULY 31, 2022, AND JANUARY 31, 2023, THE TWO-YEAR EXPENSE PERIODS ENDING JULY 31, 2021, AND JULY 31, 2023, AND THE PASS THROUGH MECHANISM OF ITS THREE MEMBER DISTRIBUTION COOPERATIVES CASE NO. 2023-00373

RESPONSE OF BIG RIVERS ELECTRIC CORPORATION TO COMMISSION STAFF'S FIRST REQUEST FOR INFORMATION DATED DECEMBER 8, 2023

January 17, 2024

Witness: Christopher A. Warren

Case No. 2023-00373 Response to Staff Item 5 Witness: Christopher A. Warren Page **5** of **5**