

# Exhibit No. 112

**The Empire District Electric Company  
Before the Missouri Public Service Commission  
Case. No. ER-2022-0040**

**Short-Term Debt Rate**

Line No.			
1	<b>Storm Uri costs (incl. carrying costs)</b>	<b>\$</b>	<b>179,560,371</b>
2			
3	<u>Summary of Estimated Upfront Costs for Securitization</u>		
4			
5	Legal fees	\$	1,900,000
6	Underwriting	\$	718,241
7	Auditor fee	\$	200,000
8	Structuring advisor (incl. discount)	\$	255,000
9	Misc	\$	50,000
10	Consultant fees	\$	135,200
11	Commission advisor		Unknown
13	Fixed fees	\$	3,258,441
14			
15			
16	SEC Filing Fee		0.00927%
17	Bond rating fees (incl. S&P and Moody's @ 0.0575% each)		0.1150%
18	Filing fees total percentage		0.1243%
19	Total rating and filing fees	\$	227,189
20			
22	<b>Total upfront costs</b>	<b>\$</b>	<b>3,485,630</b>
23			
24	<b>Estimated bond issuance amount</b>	<b>\$</b>	<b>183,046,001</b>
25			
26	<u>Summary of Estimated Ongoing Costs per year</u>		
27			
28	Administration	\$	50,000
29	Trustee fee	\$	5,000
30	Auditing/accounting fees	\$	75,000
31	Legal fees	\$	35,000
32	Rating agency surveillance fees	\$	40,000
	Return on Capital Account for Credit enhancement (calculated		
33	at last authorized WACC from ER-2019-0374)	\$	61,961
34	Printing fees	\$	10,000
35	Miscellaneous	\$	10,000
36	<b>Ongoing Costs Per Year</b>	<b>\$</b>	<b>286,961</b>
37			
38	<b>Ongoing Costs Per Month</b>	<b>\$</b>	<b>23,913</b>

Staff Consultant not to exceed \$2,310,484 plus out-of-pocket expenses (\$750,000 Bond Counsel; \$1,560,484 Consulting and Testifying Expert witness services)

Sum Lines 5-10

[Ducera Workpapers](#)

[Ducera Workpapers](#)

Line 15 + Line 16

(Line 1 + Line 11) \* Line 17

Line 11 + Line 18

Staff

## Missouri Fuel Adjustment

### Calculation of Interest on Customers' 95% Share of Storm Uri Deferred Costs Short-Term Debt Rate

Note: Interest on Storm Uri deferred costs started March 1, 2021.

#### Accumulation Period Ending Aug 2021

Year	2021	2021	2021	2021	2021	2021
Month	3	4	5	6	7	8
	<b>Mar 2021</b>	<b>Apr 2021</b>	<b>May 2021</b>	<b>Jun 2021</b>	<b>Jul 2021</b>	<b>Aug 2021</b>
Activity (1)	\$ 163,473,975.55	-	-	23,644,805.02	-	-
Principal Balance	\$ 163,473,975.55	163,473,975.55	163,473,975.55	187,118,780.57	187,118,780.57	187,118,780.57
Interest Rate (2)	0.32%	0.27%	0.24%	0.25%	0.24%	0.22%
Monthly Interest	43,593.06	36,781.64	32,694.80	38,983.08	37,423.76	34,305.11

Cumulative Carrying Costs

Cumulative Securitization Balance

(1) Includes a disallowance for the Riverton 11 node per J. Hull

(2) Rates come from FAC workpapers "MO FAC Interest PE0222" and "mo fac interest pe 00821"

Prepared by: Amanda McMellen

## Missouri Fuel Adjustment

### Accumulation Period Ending Aug 2021

Year	2021	2021	2021	2021	2022	2022
Month	9	10	11	12	1	2
	Sep 2021	Oct 2021	Nov 2021	Dec 2021	Jan 2022	Feb 2022
Activity (1)	\$ -	-	-	(8,632,928.26)	-	-
Principal Balance	\$ 187,118,780.57	187,118,780.57	187,118,780.57	178,485,852.31	178,485,852.31	178,485,852.31
Interest Rate (2)	0.23%	0.24%	0.24%	0.29%	0.46%	0.30%
Monthly Interest	35,724.09	36,815.62	37,174.26	43,595.17	68,761.67	44,413.23
Cumulative Carrying Costs				377,090.59	445,852.26	490,265.49
Cumulative Securitization Balance				179,003,063.51	179,071,825.18	179,116,238.41

Prepared by: Amanda McMellen

## Missouri Fuel Adjustment

### Accumulation Period Ending Aug 2021

Year	2022	2022	2022	2022	2022	2022
Month	3	4	5	6	7	8
	<b>Mar 2022</b>	<b>Apr 2022</b>	<b>May 2022</b>	<b>Jun 2022</b>	<b>Jul 2022</b>	<b>Aug 2022</b>
Activity (1)	\$ -	-	-	-	-	-
Principal Balance	\$ 178,485,852.31	178,485,852.31	178,485,852.31	178,485,852.31	178,485,852.31	178,485,852.31
Interest Rate (2)	0.30%	0.30%	0.30%	0.30%	0.30%	0.30%
Monthly Interest	44,413.23	44,413.23	44,413.23	44,413.23	44,413.23	44,413.23
Cumulative Carrying Costs	534,678.72	579,091.95	623,505.18	667,918.41	712,331.64	756,744.87
Cumulative Securitization Balance	179,160,651.64	179,205,064.87	179,249,478.10	179,293,891.33	179,338,304.56	179,382,717.79

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## Missouri Fuel Adjustment

### Accumulation Period Ending Aug 2021

Year	2022	2022	2022	2022
Month	9	10	11	12
	<b>Sep 2022</b>	<b>Oct 2022</b>	<b>Nov 2022</b>	<b>Dec 2022</b>
Activity (1)	\$ -	-	-	-
Principal Balance	178,485,852.31	178,485,852.31	178,485,852.31	178,485,852.31
Interest Rate (2)	0.30%	0.30%	0.30%	0.30%
Monthly Interest	44,413.23	44,413.23	44,413.23	44,413.23
Cumulative Carrying Costs	801,158.10	845,571.33	889,984.56	934,397.79
Cumulative Securitization Balance	179,427,131.02	179,471,544.25	179,515,957.48	179,560,370.71

Prepared by: Amanda McMellen

**The Empire District Electric Company  
Before the Missouri Public Service Commission  
Case. No. ER-2022-0040**

**Long-Term Debt Rate**

Line No.		
1	<b>Storm Uri costs (incl. carrying costs)</b>	<b>\$ 193,868,094</b>
2		
3	<u>Summary of Estimated Upfront Costs for Securitization</u>	
4		
5	Legal fees	\$ 1,900,000
6	Underwriting	\$ 775,472
7	Auditor fee	\$ 200,000
8	Structuring advisor (incl. discount)	\$ 255,000
9	Misc	\$ 50,000
10	Consultant fees	\$ 135,200
11	Commission advisor	Unknown
13	Fixed fees	<u>\$ 3,315,672</u>
14		
15		
16	SEC Filing Fee	0.00927%
17	Bond rating fees (incl. S&P and Moody's @ 0.0575% each)	<u>0.1150%</u>
18	Filing fees total percentage	0.1243%
19	Total rating and filing fees	\$ 245,040
20		
22	<b>Total upfront costs</b>	<b>\$ 3,560,713</b>
23		
24	<b>Estimated bond issuance amount</b>	<b>\$ 197,428,807</b>
25		
26	<u>Summary of Estimated Ongoing Costs per year</u>	
27		
28	Administration	\$ 50,000
29	Trustee fee	\$ 5,000
30	Auditing/accounting fees	\$ 75,000
31	Legal fees	\$ 35,000
32	Rating agency surveillance fees	\$ 40,000
	Return on Capital Account for Credit enhancement (calculated	
33	at last authorized WACC from ER-2019-0374)	\$ 66,830
34	Printing fees	\$ 10,000
35	Miscellaneous	\$ 10,000
36	<b>Ongoing Costs Per Year</b>	<b>\$ 291,830</b>
37		
38	<b>Ongoing Costs Per Month</b>	<b>\$ 24,319</b>

Staff Consultant not to exceed \$2,310,484 plus out-of-pocket expenses (\$750,000 Bond Counsel; \$1,560,484 Consulting and Testifying Expert witness services)

Sum Lines 5-10

[Ducera Workpapers](#)

[Ducera Workpapers](#)

Line 15 + Line 16

(Line 1 + Line 11) \* Line 17

Line 11 + Line 18

Staff

## Missouri Fuel Adjustment

### Calculation of Interest on Customers' 95% Share of Storm Uri Deferred Costs Long-Term Debt Rate

WACC Annual Rate	4.65%
WACC Monthly Rate	0.39%

Note: Interest on Storm Uri deferred costs started March 1, 2021.

#### Accumulation Period Ending Aug 2021

Year	2021	2021	2021	2021	2021	2021
Month	3	4	5	6	7	8
	<b>Mar 2021</b>	<b>Apr 2021</b>	<b>May 2021</b>	<b>Jun 2021</b>	<b>Jul 2021</b>	<b>Aug 2021</b>
Activity (1)	\$ 163,473,975.55	-	-	23,644,805.02	-	-
Principal Balance	\$ 163,473,975.55	163,473,975.55	163,473,975.55	187,118,780.57	187,118,780.57	187,118,780.57
Interest Rate (2)	0.39%	0.39%	0.39%	0.39%	0.39%	0.39%
Monthly Interest	633,461.66	633,461.66	633,461.66	725,085.27	725,085.27	725,085.27

Cumulative Carrying Costs

Cumulative Securitization Balance

(1) Includes a disallowance for the Riverton 11 node per J. Hull

(2) Rates come from FAC workpapers "MO FAC Interest PE0222" and "mo fac interest pe 00821"

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## Missouri Fuel Adjustment

### Accumulation Period Ending Aug 2021

Year	2021	2021	2021	2021	2022	2022
Month	9	10	11	12	1	2
	Sep 2021	Oct 2021	Nov 2021	Dec 2021	Jan 2022	Feb 2022
Activity (1)	\$ -	-	-	(8,632,928.26)	-	-
Principal Balance	\$ 187,118,780.57	187,118,780.57	187,118,780.57	178,485,852.31	178,485,852.31	178,485,852.31
Interest Rate (2)	0.39%	0.39%	0.39%	0.39%	0.39%	0.39%
Monthly Interest	725,085.27	725,085.27	725,085.27	691,632.68	691,632.68	691,632.68
Cumulative Carrying Costs				6,942,529.28	7,634,161.96	8,325,794.64
Cumulative Securitization Balance				185,568,502.20	186,260,134.88	186,951,767.56

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## Missouri Fuel Adjustment

### Accumulation Period Ending Aug 2021

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Month	3	4	5	6	7	8
	Mar 2022	Apr 2022	May 2022	Jun 2022	Jul 2022	Aug 2022
Activity (1)	\$ -	-	-	-	-	-
Principal Balance	\$ 178,485,852.31	178,485,852.31	178,485,852.31	178,485,852.31	178,485,852.31	178,485,852.31
Interest Rate (2)	0.39%	0.39%	0.39%	0.39%	0.39%	0.39%
Monthly Interest	691,632.68	691,632.68	691,632.68	691,632.68	691,632.68	691,632.68
Cumulative Carrying Costs	9,017,427.32	9,709,060.00	10,400,692.68	11,092,325.36	11,783,958.04	12,475,590.72
Cumulative Securitization Balance	187,643,400.24	188,335,032.92	189,026,665.60	189,718,298.28	190,409,930.96	191,101,563.64

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## Missouri Fuel Adjustment

### Accumulation Period Ending Aug 2021

Year	2022	2022	2022	2022
Month	9	10	11	12
	<b>Sep 2022</b>	<b>Oct 2022</b>	<b>Nov 2022</b>	<b>Dec 2022</b>
Activity (1)	\$ -	-	-	-
Principal Balance	178,485,852.31	178,485,852.31	178,485,852.31	178,485,852.31
Interest Rate (2)	0.39%	0.39%	0.39%	0.39%
Monthly Interest	691,632.68	691,632.68	691,632.68	691,632.68
Cumulative Carrying Costs	13,167,223.40	13,858,856.08	14,550,488.76	15,242,121.44
Cumulative Securitization Balance	191,793,196.32	192,484,829.00	193,176,461.68	193,868,094.36

Prepared by: Amanda McMellen