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November 2, 2023



Mr. Steve Kahl  
Director of Administration/Executive Secretary  
North Dakota Public Service Commission  
State Capitol  
600 East Boulevard, Dept. 408  
Bismarck, ND 58505-0408

**RE: In the Matter of Otter Tail Power Company's Request for Approval of the Annual Rate Update to Rate Schedule, Section 13.11, Advanced Meter and Distribution Technology Cost Recovery Rider Case No. PU-23-283 Supplemental Filing**

Dear Mr. Kahl:

Enclosed for filing in the above-referenced matter are updated attachments to Otter Tail Power Company's (Otter Tail) August 1, 2023, Initial Filing in this case (Initial Filing). This Supplemental Filing is being made in conjunction with Otter Tail's submission of its general rate case (Current Rate Case) filing that is also being filed on November 2, 2023, to address changes in recovery of projects between this rider and proposed recovery in the general rate case. Otter Tail also includes other changes in the rider based on the most current project timeline for the Advanced Metering Infrastructure (AMI) project and associated impacts. Otter Tail includes Revised Attachments 1 through 5, 7 through 11, and 13 with this Supplemental Filing.

In addition, as requested by the North Dakota Public Service Commission (Commission) at a Work Session on October 11, 2023, the name of this rider has been changed from Advanced Metering and Distribution Technology Cost Recovery Rider to Metering & Distribution Technology (MDT) Cost Recovery Rider. The following summarizes the proposed changes to the MDT rider.

First, the MDT Cost Recovery Rider has been updated to reflect the proposed capital structure with the currently approved return on equity and the allocation factors for interim rates used in Otter Tail's submitted general rate case. The proposed effective date for these changes is January 1, 2024. In its Initial Filing in this proceeding, Otter Tail included the rate of return and allocation factors approved in its last general rate case, Case No. PU-17-398. Otter Tail will update the MDT Rider capital structure and cost of capital to reflect the Commission's final order of this case. The adjustment to the authorized capital structure would be effective as of January 1, 2024, and will be reflected in the true-up in the next annual MDT Rider filing.

In addition, Otter Tail removes the revenue requirement associated with its Outage Management System with Geographic Information System Updates (OMS with GIS). This project went into service 12/14/2022 and recovery is proposed to move to base rates effective with the implementation of interim rates on January 1, 2024, in Otter Tail’s Current Rate Case.

The customer credit for Operating and Maintenance (O&M) expense savings related to the implementation (AMI) is also updated in this Supplemental Filing to reflect the deferred savings due to the delay in the project implementation timeline.

While preparing this filing, Otter Tail found that some property tax formulas for meters required revisions. These revisions are reflected in the tracker in Revised Attachment 4.

This update results in a decrease of \$45,233 to the MDT revenue requirement from the amount included in the Initial Filing of \$1,343,206 to \$1,297,973. The Commission approved Otter Tail’s 2023 MDT rates in Case No. PU-22-312. The table below shows the approved 2023 MDT per meter rates by class (Column B), the rates from Otter Tail’s Initial Filing (Column C), and the updated rates included in this Supplemental Filing (Column D), the latter of which are provided in Revised Attachment 13.

A	B	C	D
Class	2023 Rates (Case No. PU-22-312)	Initial Filing Proposed 2024 Rates (Case No. PU-23-283)	Supplemental Filing Proposed 2024 Rates (Case No. PU-23-283)
Residential	\$1.71	\$0.76	\$0.73
Residential RDC	\$4.28	\$1.84	\$1.78
Farm	\$4.33	\$1.80	\$1.74
General Service	\$6.61	\$2.92	\$2.82
General Service TOU	\$13.87	\$5.99	\$5.79
Large General Service – Primary/Transmission	\$71.76	\$21.80	\$21.07
Large General Service – Secondary	\$16.31	\$7.04	\$6.80
Irrigation Service	\$11.13	\$4.92	\$4.76
Outdoor Lighting (Metered)	\$4.41	\$1.87	\$1.81
OPA (Metered)	\$4.43	\$2.09	\$2.02
Controlled Service Water Heating	\$4.28	\$1.84	\$1.78
Controlled Service Interruptible – Small Dual Fuel	\$4.33	\$1.87	\$1.81
Controlled Service Interruptible – Large Dual Fuel	\$17.74	\$7.53	\$7.27
Controlled Service Deferred	\$5.31	\$2.29	\$2.21

Mr. Kahl  
November 2, 2023  
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An electronic copy of this filing is being sent to the North Dakota Public Service Commission at [ndpsc@nd.gov](mailto:ndpsc@nd.gov). Should you have any questions, please feel free to contact me at 218-739-8313 or [eketelsen@otpc.com](mailto:eketelsen@otpc.com).

Sincerely,

*/s/ EMILY KETELSEN*  
Emily Ketelsen  
Rates Analyst  
Regulatory Economics

lcd  
Enclosures  
By electronic filing and US mail

## **Attachments**

Revised Attachment 1	Projection of Revenue
Revised Attachment 2	Summary of Revenue Requirements
Revised Attachment 3	Class Allocation and Rate Design
Revised Attachment 4	Advanced Metering and Distribution Technology Tracker
Revised Attachment 5	Advanced Metering Infrastructure
Revised Attachment 7	Demand Response System
Revised Attachment 8	AMI Cost Savings Adjustment
Revised Attachment 9	Impact of Federal ADIT Proration Revenue Requirement
Revised Attachment 10	Federal ADIT Proration Preservation
Revised Attachment 11	Index
	Mandatory Riders – Availability Matrix, Electric Rate Schedule 13.00
	Metering & Distribution Technology (MDT) Cost Recovery Rider, Electric Rate Schedule 13.11
Revised Attachment 13	Customer Notice – Implementation Bill Insert

**Projected Revenue for January 2024 to December 2024 Recovery Period**

Line No.	Class	Meters (Yearly Count)	Monthly Rate	Amount
1	Residential	523,096	\$0.73	\$382,284
2	Residential RDC	38,826	\$1.78	\$68,929
3	Farm	13,405	\$1.74	\$23,298
4	General Service	147,166	\$2.82	\$415,425
5	General Service - TOU	36	\$5.79	\$208
6	Large General Service - Primary	171	\$21.07	\$3,603
7	Large General Service - Secondary	3,068	\$6.80	\$20,865
8	Irrigation	535	\$4.76	\$2,544
9	Outdoor Lighting	1,673	\$1.81	\$3,024
10	OPA	6,741	\$2.02	\$13,625
11	Controlled Service - Water Heating	62,876	\$1.78	\$111,626
12	Controlled Service - Interruptible Small Dual Fuel	90,554	\$1.81	\$163,772
13	Controlled Service - Interruptible Large Dual Fuel	6,568	\$7.27	\$47,781
14	Controlled Service - Deferred Load	18,522	\$2.21	\$40,988
15	Total revenue			<u>\$1,297,973</u>

**Summary of Revenue Requirements**

Line No.	Revenue Requirements	January 2024 - December 2024
1	Revenue Requirements	3,401,408
2	Carrying Charge	(88,851)
3	True-Up	(2,014,584)
4	Net Revenue Requirement	<u>1,297,973</u>

**Class Allocation and Current Rate Design**

Line No.		January 2024 - December 2024	Percent of Total	Annual Meter Count	Per Meter Charge	Revenue Requirements by Class
1	Total 2024 North Dakota Revenue Requirements	\$1,297,973				
2	Residential		29.45%	523,096	\$0.73	\$382,284
3	Residential RDC		5.31%	38,826	\$1.78	\$68,929
4	Farm		1.79%	13,405	\$1.74	\$23,298
5	General Service		32.01%	147,166	\$2.82	\$415,425
6	General Service - TOU		0.02%	36	\$5.79	\$208
7	Large General Service - Primary		0.28%	171	\$21.07	\$3,603
8	Large General Service - Secondary		1.61%	3,068	\$6.80	\$20,865
9	Irrigation		0.20%	535	\$4.76	\$2,544
10	Outdoor Lighting		0.23%	1,673	\$1.81	\$3,024
11	OPA		1.05%	6,741	\$2.02	\$13,625
12	Controlled Service - Water Heating		8.60%	62,876	\$1.78	\$111,626
13	Controlled Service - Interruptible Small Duel Fuel		12.62%	90,554	\$1.81	\$163,772
14	Controlled Service - Interruptible Large Duel Fuel		3.68%	6,568	\$7.27	\$47,781
15	Controlled Service - Deferred Load		3.16%	18,522	\$2.21	\$40,988
16	Total North Dakota Revenue Requirements		100.00%	913,237		\$1,297,973

Rate Impact				
	Meter Count (Month)	Current Rate (\$ per meter)	Proposed Rate (\$ per meter)	Monthly Impact (Increase or decrease from prior rate)
Residential	43,591	\$1.71	\$0.73	-\$0.98
Residential RDC	3,236	\$4.28	\$1.78	-\$2.50
Farm	1,117	\$4.33	\$1.74	-\$2.60
General Service	12,264	\$6.61	\$2.82	-\$3.79
General Service - TOU	3	\$13.87	\$5.79	-\$8.08
Large General Service - Primary	14	\$71.76	\$21.07	-\$50.69
Large General Service - Secondary	256	\$16.31	\$6.80	-\$9.51
Irrigation	45	\$11.13	\$4.76	-\$6.38
Outdoor Lighting	139	\$4.41	\$1.81	-\$2.61
OPA	562	\$4.43	\$2.02	-\$2.40
Controlled Service - Water Heating	5,240	\$4.28	\$1.78	-\$2.50
Controlled Service - Interruptible Small Duel Fuel	7,546	\$4.33	\$1.81	-\$2.53
Controlled Service - Interruptible Large Duel Fuel	547	\$17.74	\$7.27	-\$10.47
Controlled Service - Deferred Load	1,544	\$5.31	\$2.21	-\$3.10
	76,103			

Line No.	TRACKER SUMMARY Requirements Compared to Billed:	2023	2023	2023	2023	2023	2023	2023	2023	2023	2023	2023	2023	
		January Actual	February Actual	March Actual	April Actual	May Actual	June Actual	July Actual	August Actual	September Projected	October Projected	November Projected	December Projected	YE Projected
	<b>Revenue Requirements</b>													
1	Advanced Metering Infrastructure	45,728	45,649	45,715	45,640	45,849	46,337	46,494	46,559	46,593	46,522	46,520	46,441	554,047
2	Outage Management System	10,880	13,138	15,384	14,484	14,352	14,080	20,043	17,185	18,212	51,462	61,338	61,338	311,897
3	Demand Response	809	809	809	809	809	809	809	809	809	809	809	809	9,711
4	<b>Total Revenue Requirements</b>	57,418	59,595	61,909	60,933	61,010	61,226	67,346	64,554	65,614	98,793	108,668	108,589	875,655
5	<b>ADIT Preservation of Proration</b>	119	119	119	119	119	119	119	119	119	119	119	119	1,433
6	<b>O&amp;M Savings due to AMI Implementation</b>	-	-	-	-	-	-	-	-	-	-	-	-	-
7	<b>Net Revenue Requirement</b>	57,537	59,715	62,028	61,053	61,129	61,345	67,465	64,673	65,734	98,913	108,787	108,708	877,087
8	Billed (forecast meter x adj factor)	85,151	234,687	240,889	249,082	237,846	260,146	250,575	243,453	255,805	255,805	255,805	255,805	2,825,048
9	Monthly Revenue Difference	(27,614)	(174,973)	(178,860)	(188,029)	(176,717)	(198,800)	(183,110)	(178,780)	(190,071)	(156,892)	(147,017)	(147,096)	(1,947,960)
10	Carrying Charge	-	(176)	(1,291)	(2,439)	(3,651)	(4,800)	(6,097)	(7,302)	(8,487)	(9,751)	(10,812)	(11,818)	(66,623)
11	Life-to-Date Revenue Requirement (Cumulative Difference)	(27,614)	(202,762)	(382,914)	(573,381)	(753,750)	(957,351)	(1,146,558)	(1,332,640)	(1,531,197)	(1,697,840)	(1,855,670)	(2,014,584)	(2,014,584)
12	Carrying Charge Calculation	(176)	(1,291)	(2,439)	(3,651)	(4,800)	(6,097)	(7,302)	(8,487)	(9,751)	(10,812)	(11,818)	(12,830)	
13	Cumulative Carrying Charge	(176)	(1,467)	(3,906)	(7,557)	(12,357)	(18,454)	(25,756)	(34,242)	(43,994)	(54,806)	(66,623)	(79,453)	
14	Carrying cost rate	7.64%	7.64%	7.64%	7.64%	7.64%	7.64%	7.64%	7.64%	7.64%	7.64%	7.64%	7.64%	
15	Forecasted Meter Count							76,103	76,103	76,103	76,103	76,103	76,103	456,619

SUMMARY	January 2023 - December
Revenue requirements	\$3,073,397
Carrying Charge	(10,892)
True-up	0
<b>Total requirements</b>	<b>\$3,062,505</b>
Jan 2023 - Dec 2023 projected meter count	911,110
Average Rate	\$3.36129

Line No.	TRACKER SUMMARY Requirements Compared to Billed:	2024	2024	2024	2024	2024	2024	2024	2024	2024	2024	2024	2024	
		January Projected	February Projected	March Projected	April Projected	May Projected	June Projected	July Projected	August Projected	September Projected	October Projected	November Projected	December Projected	YE Projected
1	Revenue Requirements													
1	Advanced Metering Infrastructure	193,746	288,344	298,741	305,562	310,584	352,412	315,996	320,189	323,942	327,109	329,264	329,829	3,695,718
2	Outage Management System													-
3	Demand Response	20,676	22,608	22,608	22,608	22,608	22,608	22,608	22,608	22,608	22,608	22,608	22,608	269,360
4	<b>Total Revenue Requirements</b>	214,422	310,952	321,349	328,169	333,192	375,019	338,603	342,797	346,550	349,717	351,871	352,437	3,965,078
5	ADIT Preservation of Proration													
6	O&M Savings due to AMI Implementation	(46,973)	(46,973)	(46,973)	(46,973)	(46,973)	(46,973)	(46,973)	(46,973)	(46,973)	(46,973)	(46,973)	(46,973)	(563,670)
7	<b>Net Revenue Requirement</b>	167,449	263,979	274,376	281,197	286,219	328,047	291,631	295,824	299,577	302,744	304,899	305,465	3,401,408
8	Billed (forecast meter x adj factor)	108,164	108,164	108,164	108,164	108,164	108,164	108,164	108,164	108,164	108,164	108,164	108,164	1,297,973
9	Monthly Revenue Difference	59,285	155,815	166,212	173,032	178,055	219,882	183,466	187,660	191,413	194,580	196,734	197,300	2,103,435
10	Carrying Charge	(12,830)	(12,145)	(11,259)	(10,303)	(9,298)	(8,257)	(6,951)	(5,862)	(4,740)	(3,588)	(2,409)	(1,210)	(88,851)
11	Life-to-Date Revenue Requirement (Cumulative Difference)	(1,968,128)	(1,824,459)	(1,669,506)	(1,506,776)	(1,338,019)	(1,126,394)	(949,878)	(768,080)	(581,407)	(390,415)	(196,090)	(0)	(0)
12	Carrying Charge Calculation	(12,145)	(11,259)	(10,303)	(9,298)	(8,257)	(6,951)	(5,862)	(4,740)	(3,588)	(2,409)	(1,210)	(0)	
13	Cumulative Carrying Charge	(91,598)	(102,857)	(113,160)	(122,458)	(130,715)	(137,666)	(143,528)	(148,267)	(151,855)	(154,264)	(155,475)	(155,475)	
14	Carrying cost rate	7.41%	7.41%	7.41%	7.41%	7.41%	7.41%	7.41%	7.41%	7.41%	7.41%	7.41%	7.41%	
15	Forecasted Meter Count	76,103	76,103	76,103	76,103	76,103	76,103	76,103	76,103	76,103	76,103	76,103	76,103	913,237

SUMMARY	January 2024 - December
Revenue requirements	\$3,401,408
Carrying Charge	(88,851)
True-up	(2,014,584)
Total requirements	\$1,297,973
Sep 2023 - Aug 2024 projected meter count	913,237
Average Rate	\$1.42129









Otter Tail Power Company  
 North Dakota- Advanced Metering and Distribution Technology (AMDT)  
 North Dakota  
 O&M Savings due to AMI Implementation

Line No.	A	B	C	D	E
		Year>>	2022 Actual	2023 Projected	2024 Projected
1	<b>SAVINGS</b>				
2	<i>O&amp;M</i>				
3	Operations and Maintenance		-	-	1,318,763
4				-	-
5					
6	Total O&M		-	-	1,318,763
7	<hr/>				
8	North Dakota - C7 Meter Reading Allocation Factor		42.74%	42.74%	42.74%
9	O&M (OTP ND)		-	-	563,670
10	<hr/>				
11	<b>REVENUE REQUIREMENTS</b>				
12	Total Revenue Requirements (OTP ND) - Line 12 + Line 22		-	-	563,670
13	<hr/>				
14	Revenue Requirement Share back		-	-	<b>563,670</b>

**Federal ADIT Proration**

	A	B	C	D	E
1	January 2024 - December 2024 Recovery Period				
2		<b>All Projects' Revenue Requirements without ADIT Prorated</b>	<b>All Projects' Revenue Requirements with ADIT- Prorated</b>	<b>Difference due to Federal ADIT Proration (B - A)</b>	
3	Month				
4	Jan-24	213,881	214,422	541	
5	Feb-24	310,411	310,952	541	
6	Mar-24	320,808	321,349	541	
7	Apr-24	327,628	328,169	541	
8	May-24	332,651	333,192	541	
9	Jun-24	374,478	375,019	541	
10	Jul-24	338,062	338,603	541	
11	Aug-24	342,255	342,797	541	
12	Sep-24	346,008	346,550	541	
13	Oct-24	349,175	349,717	541	
14	Nov-24	351,330	351,871	541	
15	Dec-24	351,896	352,437	542	
		3,958,584	3,965,078	6,494	

16	<b>Revenue Requirement Related to Federal ADIT Proration-Projection</b>	<b>6,494</b>
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**Otter Tail Power Company**  
**North Dakota Advanced Metering & Distribution Technology Rider**  
**Federal ADIT Proration -- Preserve True-Up Period**

(A) (B) (C) (D)

January 2023 - December 2023				
Line No.	Month	Original ADIT Balance - All Projects	Federal ADIT Prorate Balance - All Projects	Difference due to Federal ADIT Proration (B - A)
1	Jan-23	(17,186)	-	17,186
2	Feb-23	(17,186)	-	
3	Mar-23	(17,186)	-	
4	Apr-23	(85,618)	-	
5	May-23	(45,879)	-	
6	Jun-23	(45,615)	(46,761)	
7	Jul-23	(55,934)	(35,912)	
8	Aug-23	(49,103)	(35,912)	
9	Sep-23	(49,097)	(35,912)	
10	Oct-23	(48,999)	(30,016)	
11	Nov-23	(48,993)	(25,185)	
12	Dec-23	(132,053)	(25,185)	106,867
13	Simple Average	(148,459)	-	\$ 62,027
14				
15		Rate Base Rev Req Gross Up Factor		9.30%
16		Total Company Revenue Requirement		13,804
17				
18		<b>ND Revenue Requirement Related to Federal ADIT</b>		<b>1,433</b>
19		<b>Proration-Preservation</b>		
20				
21				
22		Tax Conversion Factor	1.3228	(1/(1-24.4%))
23		Gross Up of Equity %	6.79%	(D23 * D31)
24		Equity Return %	5.13%	(D31)
25		Gross Up Factor	1.66%	(D24 - D25)
26				
27			<b>Annual</b>	<b>Monthly</b>
28		Debt Return %	2.51%	0.21%
29		Preferred Equity %	0.00%	0.00%
30		Equity Return %	5.13%	0.43%
31		Rate of Return	7.64%	0.64%
32		Tax RR on Equity Return	1.66%	0.14%
33		Rate Base Rev Req Gross Up Factor	9.30%	0.77%
34				

## **Revised Attachment 11**

### **Legislative and Non-Legislative Versions**

- Index
- Mandatory Riders – Availability Matrix, Electric Rate Schedule 13.00
- Metering & Distribution Technology (MDT) Cost Recovery Rider, Electric Rate Schedule 13.11

*Section*                      *Item*

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**11.00      OTHER SERVICES**

11.01	Standby Service
11.02	Irrigation Service
11.03	Outdoor Lighting – Energy Only Dusk to Dawn
11.04	Outdoor Lighting Dusk to Dawn
11.05	Municipal Pumping Service
11.06	Civil Defense - Fire Sirens
11.07	LED Street and Area Lighting – Dusk to Dawn

**12.00      PURCHASE POWER RIDERS & APPLICABILITY MATRIX**

12.01	Small Power Producer Rider Occasional Delivery Energy Service (Net Energy Billing Rate)
12.02	Small Power Producer Rider Time of Delivery Energy Service
12.03	Small Power Producer Rider Dependable Service

**13.00      MANDATORY RIDERS & APPLICABILITY MATRIX**

13.01	Energy Adjustment Rider • <i>Applicable to <u>all</u> services and riders unless otherwise stated in the mandatory riders matrix</i>
13.02	Reserved for Future Use
13.03	Reserved for Future Use
13.04	Renewable Resource Cost Recovery Rider
13.05	Transmission Cost Recovery Rider
13.06	Generation Cost Recovery Rider
13.07	Reserved for Future Use
13.08	Environmental Cost Recovery Rider
13.09	Reserved for Future Use
13.10	Reserved for Future Use
13.11	<del>Advanced Metering &amp; and</del> Distribution Technology (AMDT) Cost Recovery Rider

*Section*                      *Item*

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13.08	Environmental Cost Recovery Rider
13.09	Reserved for Future Use
13.10	Reserved for Future Use
13.11	Metering & Distribution Technology (MDT) Cost Recovery Rider

**C**



### MANDATORY RIDERS - AVAILABILITY MATRIX

The amount of a bill for service will be modified by any Mandatory Rate Riders that must apply, Voluntary Rate Riders selected by the Customer, and charges listed in the General Rules and Regulations.

<b>Applicability Matrix</b>	<b>Mandatory Riders</b>	Energy Adjustment Rider by Service Category	Reserved for Future Use	Reserved for Future Use	Renewable Resource Cost Recovery Rider	Transmission Cost Recovery Rider	Generation Cost Recovery Rider	Reserved for Future Use	Environmental Cost Recovery Rider	Reserved for Future Use	Reserved for Future Use	Reserved for Future Use	<del>Advanced-Metering &amp; Distribution Technology Cost Recovery Rider</del>
<b>Base Tariffs</b>	Section Numbers	13.01	13.02	13.03	13.04	13.05	13.06	13.07	13.08	13.09	13.10	13.11	
<b>RESIDENTIAL &amp; FARM SERVICES</b>													
Residential Service	9.01												
Residential Demand Control Service	9.02												
Farm Service	9.03												
Reserved for Future Use	9.04												
<b>GENERAL SERVICES</b>													
Small General Service (Less than 20 kW)	10.01												
General Service (20 kW or Greater)	10.02												
General Service - Time of Use	10.03												
Large General Service	10.04												
Large General Service - Time of Day	10.05												
Super Large General Service	10.06												
<b>OTHER SERVICES</b>													
Standby Service	11.01												
Irrigation Service	11.02												
Outdoor Lighting - Energy Only	11.03												✓
Outdoor Lighting	11.04												
Municipal Pumping Service	11.05												
Fire Sirens - Civil Defense	11.06												
LED Street and Area Lighting	11.07												
Key: ✓ = May apply   ■ = Mandatory   □ = Not Applicable													



		Mandatory Riders	Energy Adjustment Rider by Service Category	Reserved for Future Use	Reserved for Future Use	Renewable Resource Cost Recovery Rider	Transmission Cost Recovery Rider	Generation Cost Recovery Rider	Reserved for Future Use	Environmental Cost Recovery Rider	Reserved for Future Use	Reserved for Future Use	Advanced Metering & Distribution Technology Cost Recovery Rider
Applicability Matrix		Section Number	13.01	13.02	13.03	13.04	13.05	13.06	13.07	13.08	13.09	13.10	13.11
<b>Base Tariffs</b>													
<b>MANDATORY RIDERS</b>													
Energy Adjustment Rider by Service Category	13.01												
Reserved for Future Use	13.02												
Reserved for Future Use	13.03												
Renewable Resource Cost Recovery Rider	13.04												
Transmission Cost Recovery Rider	13.05												
Generation Cost Recovery Rider	13.06												
Reserved for Future Use	13.07												
Environmental Cost Recovery Rider	13.08												
Reserved for Future Use	13.09												
Reserved for Future Use	13.10												
Advanced Metering & Distribution Technology Cost Recovery Rider	13.11												
<b>VOLUNTARY RIDERS</b>													
Water Heating Control Rider	14.01												
Real Time Pricing Rider	14.02												
Large General Service Rider	14.03	✓											
Controlled Service - Interruptible Load CT Metering Rider	14.04												
Load Self-Contained Metering Rider	14.05												
Controlled Service Deferred Load Rider	14.06												
Fixed Time of Service Rider	14.07												
Air Conditioning Control Rider	14.08												
Voluntary Renewable Energy Rider	14.09												
WAPA Bill Crediting Program Rider	14.10												
Reserved for Future Use	14.11												
Application and Pricing Guidelines	14.12												
Economic Development Rate Rider - Large General Service	14.13												
Key:		✓ = May apply	■ = Mandatory	□ = Not Applicable									



### MANDATORY RIDERS - AVAILABILITY MATRIX

The amount of a bill for service will be modified by any Mandatory Rate Riders that must apply, Voluntary Rate Riders selected by the Customer, and charges listed in the General Rules and Regulations.

 Applicability Matrix	<b>Mandatory Riders</b>	Energy Adjustment Rider by Service Category	Reserved for Future Use	Reserved for Future Use	Renewable Resource Cost Recovery Rider	Transmission Cost Recovery Rider	Generation Cost Recovery Rider	Reserved for Future Use	Environmental Cost Recovery Rider	Reserved for Future Use	Reserved for Future Use	Metering & Distribution Technology Cost Recovery Rider
<b>Base Tariffs</b>	Section Numbers	13.01	13.02	13.03	13.04	13.05	13.06	13.07	13.08	13.09	13.10	13.11
<b>RESIDENTIAL &amp; FARM SERVICES</b>												
Residential Service	9.01											
Residential Demand Control Service	9.02											
Farm Service	9.03											
Reserved for Future Use	9.04											
<b>GENERAL SERVICES</b>												
Small General Service (Less than 20 kW)	10.01											
General Service (20 kW or Greater)	10.02											
General Service - Time of Use	10.03											
Large General Service	10.04											
Large General Service - Time of Day	10.05											
Super Large General Service	10.06											
<b>OTHER SERVICES</b>												
Standby Service	11.01											
Irrigation Service	11.02											
Outdoor Lighting - Energy Only	11.03											✓
Outdoor Lighting	11.04											
Municipal Pumping Service	11.05											
Fire Sirens - Civil Defense	11.06											
LED Street and Area Lighting	11.07											
<b>Key:</b> ✓ = May apply    ■ = Mandatory    □ = Not Applicable												

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<b>Applicability Matrix</b>		<b>Mandatory Riders</b>	Energy Adjustment Rider by Service Category	Reserved for Future Use	Reserved for Future Use	Renewable Resource Cost Recovery Rider	Transmission Cost Recovery Rider	Generation Cost Recovery Rider	Reserved for Future Use	Environmental Cost Recovery Rider	Reserved for Future Use	Reserved for Future Use	Metering & Distribution Technology Cost Recovery Rider
<b>Base Tariffs</b>		Section Numbers	13.01	13.02	13.03	13.04	13.05	13.06	13.07	13.08	13.09	13.10	13.11
<b>MANDATORY RIDERS</b>													
Energy Adjustment Rider by Service Category	13.01												
Reserved for Future Use	13.02												
Reserved for Future Use	13.03												
Renewable Resource Cost Recovery Rider	13.04												
Transmission Cost Recovery Rider	13.05												
Generation Cost Recovery Rider	13.06												
Reserved for Future Use	13.07												
Environmental Cost Recovery Rider	13.08												
Reserved for Future Use	13.09												
Reserved for Future Use	13.10												
Metering & Distribution Technology Cost Recovery Rider	13.11												
<b>VOLUNTARY RIDERS</b>													
Water Heating Control Rider	14.01												
Real Time Pricing Rider	14.02												
Large General Service Rider	14.03	✓											
Controlled Service - Interruptible Load CT Metering Rider	14.04												
Controlled Service - Interruptible Load Self-Contained Metering Rider	14.05												
Controlled Service Deferred Load Rider	14.06												
Fixed Time of Service Rider	14.07												
Air Conditioning Control Rider	14.08												
Voluntary Renewable Energy Rider	14.09												
WAPA Bill Crediting Program Rider	14.10												
Reserved for Future Use	14.11												
Bulk Interruptible Service Application and Pricing Guidelines	14.12												
Economic Development Rate Rider - Large General Service	14.13												
<b>Key:</b>		✓ = May apply	■ = Mandatory	□ = Not Applicable									

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**~~ADVANCED METERING & AND~~ DISTRIBUTION TECHNOLOGY (AMDT)  
COST RECOVERY RIDER**

DESCRIPTION	RATE CODE
Residential	NAMRS
Residential RDC	NAMRC
Farm	NAMFM
General Service	NAMGS
General Service TOU	NAMGU
Large General Service – Primary / Transmission	NAML P
Large General Service – Secondary	NAMLS
Irrigation Service	NAMIR
Outdoor Lighting (Metered)	NAMLT
OPA (Metered)	NAMOP
Controlled Service Water Heating	NAMWH
Controlled Service Interruptible – Small Dual Fuel	NAMCS
Controlled Service Interruptible – Large Dual Fuel	NAMCT
Controlled Service Deferred	NAMCD

**RULES AND REGULATIONS:** Terms and conditions of this rider and the General Rules and Regulations govern use of this schedule.

**APPLICATION OF RIDER:** This rider is applicable to electric service under all of the Company’s metered retail rate schedules.

**COST RECOVERY CHARGE:** There shall be included on each North Dakota customer’s monthly bill an ~~an Advanced Metering & and~~ Distribution Technology (AMDT) Cost Recovery Per Meter Charge, which shall be calculated before any applicable municipal payment adjustments and sales taxes as provided in the General Rules and Regulations for the Company’s electric service. The following charges are applicable in addition to all charges for service being taken under the Company’s standard rate schedules.

**RATE:**

Service Category	Section	Per Meter Charge
Residential	9.01	<del>\$0.731.71</del>
Residential RDC	9.02	<del>\$1.784.28</del>
Farm	9.03	<del>\$1.744.33</del>
General Service	10.01, 10.02	<del>\$2.826.61</del>
General Service -TOU	10.03	<del>\$5.7913.87</del>
Large General Service - Primary / Transmission	10.04, 10.05, 10.06, 11.01	<del>\$21.0771.76</del>
Large General Service - Secondary	10.04, 10.05, 11.01	<del>\$6.8016.31</del>
Irrigation Service	11.02	<del>\$4.7611.13</del>
Outdoor Lighting (Metered)	11.03	<del>\$1.814.41</del>
OPA (Metered)	11.05	<del>\$2.024.43</del>
Controlled Service Water Heating	14.01	<del>\$1.784.28</del>
Controlled Service Interruptible - Small Dual Fuel	14.05	<del>\$1.814.33</del>
Controlled Service Interruptible - Large Dual Fuel	14.04, 14.12	<del>\$7.2717.74</del>
Controlled Service Deferred	14.06, 14.07	<del>\$2.215.31</del>

**MANDATORY AND VOLUNTARY RIDERS:** The amount of a bill for service will be modified by any Mandatory Rate Riders that must apply or Voluntary Rate Riders selected by the Customer, unless otherwise noted in this rider. See sections 12.00, 13.00 and 14.00 of the North Dakota electric rates for the matrices of riders.

**METERING & DISTRIBUTION TECHNOLOGY (MDT)  
COST RECOVERY RIDER**

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DESCRIPTION	RATE CODE
Residential	NAMRS
Residential RDC	NAMRC
Farm	NAMFM
General Service	NAMGS
General Service TOU	NAMGU
Large General Service – Primary / Transmission	NAML P
Large General Service – Secondary	NAMLS
Irrigation Service	NAMIR
Outdoor Lighting (Metered)	NAMLT
OPA (Metered)	NAMOP
Controlled Service Water Heating	NAMWH
Controlled Service Interruptible – Small Dual Fuel	NAMCS
Controlled Service Interruptible – Large Dual Fuel	NAMCT
Controlled Service Deferred	NAMCD

**RULES AND REGULATIONS:** Terms and conditions of this rider and the General Rules and Regulations govern use of this schedule.

**APPLICATION OF RIDER:** This rider is applicable to electric service under all of the Company’s metered retail rate schedules.

**COST RECOVERY CHARGE:** There shall be included on each North Dakota customer’s monthly bill a Metering & Distribution Technology (MDT) Cost Recovery Per Meter Charge, which shall be calculated before any applicable municipal payment adjustments and sales taxes as provided in the General Rules and Regulations for the Company’s electric service. The following charges are applicable in addition to all charges for service being taken under the Company’s standard rate schedules.

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**RATE:**

Service Category	Section	Per Meter Charge
Residential	9.01	\$0.73
Residential RDC	9.02	\$1.78
Farm	9.03	\$1.74
General Service	10.01, 10.02	\$2.82
General Service -TOU	10.03	\$5.79
Large General Service - Primary / Transmission	10.04, 10.05, 10.06, 11.01	\$21.07
Large General Service - Secondary	10.04, 10.05, 11.01	\$6.80
Irrigation Service	11.02	\$4.76
Outdoor Lighting (Metered)	11.03	\$1.81
OPA (Metered)	11.05	\$2.02
Controlled Service Water Heating	14.01	\$1.78
Controlled Service Interruptible - Small Dual Fuel	14.05	\$1.81
Controlled Service Interruptible - Large Dual Fuel	14.04, 14.12	\$7.27
Controlled Service Deferred	14.06, 14.07	\$2.21

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**MANDATORY AND VOLUNTARY RIDERS:** The amount of a bill for service will be modified by any Mandatory Rate Riders that must apply or Voluntary Rate Riders selected by the Customer, unless otherwise noted in this rider. See sections 12.00, 13.00 and 14.00 of the North Dakota electric rates for the matrices of riders.

**Customer Notice**

The North Dakota Public Service Commission approved an adjustment to our Metering & Distribution Technology (MDT) Cost Recovery Rider. A decrease to per meter charges will become effective January 1, 2024.

Our MDT Cost Recovery Rider allows us to recover costs associated with Advanced Metering Infrastructure, an Outage Management System, and Demand Response investments.

<b>Class</b>	<b>Section</b>	<b>January 2024 - December 2024 Per meter charge</b>
Residential	9.01	\$0.73
Residential RDC	9.02	\$1.78
Farm	9.03	\$1.74
General Service	10.01, 10.02	\$2.82
General Service TOU	10.03	\$5.79
Large General Service – Primary / Transmission	10.04, 10.05, 10.06, 11.01	\$21.07
Large General Service – Secondary	10.04, 10.05, 11.01	\$6.80
Irrigation Service	11.02	\$4.76
Outdoor Lighting (Metered)	11.03	\$1.81
OPA (Metered)	11.05	\$2.02
Controlled Service Water Heating	14.01	\$1.78
Controlled Service Interruptible - Small Dual Fuel	14.05	\$1.81
Controlled Service Interruptible - Large Dual Fuel	14.04, 14.12	\$7.27
Controlled Service Deferred	14.06, 14.07	\$2.21

For more information, contact Customer Service at 800-257-4044 or visit [otpc.com](http://otpc.com).