

MONTANA-DAKOTA UTILITIES CO.
ELECTRIC UTILITY - SOUTH DAKOTA
Allocation of Revenues
TCJA Settlement - Docket GE17-003

Customer Class	Pro Forma 2017				TCJA Base Revenue Decrease		
	Customers	Kwh	KW	Total Revenue	Change	Total	%
Residential Service	6,899	66,391,840		\$6,803,236	(\$39,237)	\$6,763,999	-0.6%
Small General Service	2,002	31,532,744	98,548.4	3,237,713	(17,184)	3,220,529	-0.5%
Large General Service	118	35,630,597	146,049.7	2,951,157	(16,034)	2,935,123	-0.5%
General Space Heating	144	5,713,526		325,219	(2,059)	323,160	-0.6%
Municipal Lighting	54	2,477,817		235,782	(1,342)	234,440	-0.6%
Municipal Pumping	50	1,482,823	7,173.1	118,807	(561)	118,246	-0.5%
Outdoor Lighting Service	559	807,360		70,628	(371)	70,257	-0.5%
Total South Dakota Electric	9,826	144,036,707	251,771.2	\$13,742,542	(\$76,788)	\$13,665,754	-0.6%

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Rate Class	Pro Forma 2017 Excluding Transmission & Infrastructure Riders					Allocation of Revenue Change 1/	Percent Increase	Rate Design Results			Authorized EL15-024	
	Bill	Kwh	KW	Total	Ratio			Revenue Change		Total	Total	Ratio
	Determinants			Revenue				\$	%		Revenue	
Residential Service												
Rate 10	6,559	60,900,758	0.0	\$6,470,683	48.501%	(\$37,064)	-0.57%	(\$37,150)	-0.57%	\$6,433,533	\$7,070,007	48.501%
Rate 53	340	5,491,082	0.0	332,553	2.761%	(2,110)	-0.63%	(2,087)	-0.63%	330,466	402,451	2.761%
Total Residential	6,899	66,391,840	0.0	6,803,236	51.262%	(39,174)	-0.58%	(39,237)	-0.58%	6,763,999	7,472,458	51.262%
Small General Service												
Rate 20 Primary	1	3,300	0.0	472	0.004%	(3)	-0.64%	(2)	-0.42%	470	647	0.004%
Rate 20 Secondary	1,970	31,139,613	96,959.0	3,205,431	22.603%	(17,273)	-0.54%	(17,126)	-0.53%	3,188,305	3,294,958	22.603%
Subtotal	1,971	31,142,913	96,959.0	3,205,903	22.607%	(17,276)	-0.54%	(17,128)	-0.53%	3,188,775	3,295,605	22.607%
Rate 25	7	258,048	1,460.6	16,684	0.054%	(41)	-0.25%	(42)	-0.25%	16,642	7,903	0.054%
Rate 26	24	131,783	128.8	15,126	0.016%	(12)	-0.08%	(14)	-0.09%	15,112	2,261	0.016%
Total Small General	2,002	31,532,744	98,548.4	3,237,713	22.677%	(17,329)	-0.54%	(17,184)	-0.53%	3,220,529	3,305,769	22.677%
Large General Rate 30	118	35,630,597	146,049.7	2,951,157	20.811%	(15,904)	-0.54%	(16,034)	-0.54%	2,935,123	3,033,724	20.811%
Space Heating Rate 32	144	5,713,526	0.0	325,219	2.307%	(1,763)	-0.54%	(2,059)	-0.63%	323,160	336,349	2.307%
Municipal Lighting	54	2,477,817	0.0	235,782	1.727%	(1,320)	-0.56%	(1,342)	-0.57%	234,440	251,777	1.727%
Rate 48 Municipal Pumping	50	1,482,823	7,173.1	118,807	0.725%	(554)	-0.47%	(561)	-0.47%	118,246	105,708	0.725%
Rate 24 Outdoor Lighting Service	559	807,360	0.0	70,628	0.491%	(375)	-0.53%	(371)	-0.53%	70,257	71,568	0.491%
Total South Dakota Electric	9,826	144,036,707	251,771.2	\$13,742,542	100.000%	(\$76,419)	-0.56%	(\$76,788)	-0.56%	\$13,665,754	\$14,577,353	100.000%

1/ TCJA decrease calculated in accordance with Settlement Stipulation approved in Docket No. GE17-003 (\$76,419)
Allocation based on revenue allocation authorized in EL15-024.

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Derivation of Rate and Reconciliation
Irrigation Power Service Rate 25
TCJA Settlement - Docket GE17-003

Irrigation Power Service	Pro Forma 2017	Authorized EL15-024		Proposed Settlement Rates	
		Rate	Revenue	Rate	Revenue
Basic Service Charge	7	\$0.53 per day	\$1,354	\$0.53 per day	\$1,354
Energy	258,048	\$0.01038 per Kwh	2,679	\$0.01022 per Kwh	2,637
Demand					
Summer	994.3	\$5.00 per KW	4,972	\$5.00 per KW	4,972
Winter	466.3	2.50 per KW	1,166	2.50 per KW	1,166
Base Fuel	258,048	\$0.02524 per Kwh	6,513	\$0.02524 per Kwh	6,513
Transmission Rider	258,048	\$0.00438 per Kwh	1,130	\$0.00438 per Kwh	1,130
Infrastructure Rider	258,048	\$0.00497 per Kwh	1,282	\$0.00497 per Kwh	1,282
Total Revenue			<u>\$19,096</u>		<u>\$19,054</u>
Total Excluding Riders			<u>\$16,684</u>		<u>\$16,642</u>
Total Revenues Per Design					\$16,642
Target Revenues					<u>16,643</u>
Difference					<u>\$1</u>

Derivation of Rate:

Pro Forma Revenues Excluding Riders	\$16,684
Pro Forma Revenue Increase	(41)
Total Revenue Requirement	<u>\$16,643</u>
Less:	
Proposed Basic Service Charge Revenues	1,354
Proposed Demand Charge Revenues	6,138
Base Fuel	<u>6,513</u>
Subtotal	14,005
Net to be Collected Through Energy	2,638
Total Kwh Sales	258,048
Proposed Energy Charge	\$0.01022