Northern States Power Company South Dakota Electric Jurisdiction 2024 Actual HTY

Bad Debt Expense Adjustment

NSPM Commodity Bad Debt Jurisdictional Allocators	2021 Actual	2022 Actual	2023 Actual	2024 Actual
North Dakota Electric	5.0%	5.0%	4.9%	4.9%
North Dakota Gas	1.6%	1.7%	2.0%	2.1%
Minnesota Electric	76.7%	76.3%	74.7%	74.4%
Minnesota Gas	11.5%	11.8%	13.2%	13.4%
South Dakota Electric	5.2%	5.3%	5.2%	5.2%
Total	100.0%	100.0%	100.0%	100.0%
Total Bad Debt Expense	2021 Actual	2022 Actual	2023 Actual	2024 Actual
Total Company NSP MN (MN, ND & SD)	\$ 23,406,748	\$ 18,210,795	\$ 28,563,219	\$ 20,572,471
South Dakota Electric	\$ 1,228,303	\$ 962,765	\$ 1,488,405	\$ 1,064,527
SD Net Write-Offs				2024 Actual
South Dakota Electric				\$ 1,293,963
Test Year Retail Revenue				2024 Actual
South Dakota Electric				\$ 269,543,058
Net Write-Off / Retail Revenue				2024 Actual
South Dakota Electric				0.48%
Deficiency				2024 Actual
South Dakota Electric				\$ 43,556,687
All descendes De Calance				
Adjustment to Deficiency South Dakota Electric				2024 Actual \$ 209,097
South Dakota Electric				\$ 209,097
Total				2024 Actual
South Dakota Electric				\$ 438,534

Northern States Power Company South Dakota Electric Jurisdiction 2024 Actual HTY

Bad Debt Expense Adjustment - Validation

NSPM - Driver 00 Report Year 1 ALL IN	Dec - 2024		
	Total	SD Electric	Other
Composite Income Tax Rate			
state Tax Rate			
ederal Statuatory Tax Rate	21.00%	21.00%	21.00%
Federal Effective Tax Rate	<u>21.00%</u>	<u>21.00%</u>	<u>21.00%</u>
Composite Tax Rate	21.00%	21.00%	21.00%
Revenue Conversion Factor (1/(1Composite Tax Rate))	1.265823	1.265823	1.265823
Weighted Cost of Capital			
Active Rates and Ratios Version	Proposed	Proposed	Proposed
Cost of Short Term Debt			
Cost of Long Term Debt	4.48%	4.48%	4.48%
Cost of Common Equity	10.30%	10.30%	10.30%
Ratio of Short Term Debt			
Ratio of Long Term Debt	47.13%	47.13%	47.13%
Ratio of Common Equity	52.87%	52.87%	52.87%
Weighted Cost of STD			
Weighted Cost of LTD	2.11%	2.11%	2.11%
Weighted Cost of Debt	2.11%	2.11%	2.11%
Weighted Cost of Equity	<u>5.45%</u>	<u>5.45%</u>	<u>5.45%</u>
Required Rate of Return	7.56%	7.56%	7.56%
Rate Base			
Plant Investment			
Depreciation Reserve			
Net Utility Plant	-	-	
CWIP			
Accumulated Deferred Taxes			
DTA - NOL Average Balance			
DTA - Federal Tax Credit Average Balance	<u>-</u>	<u>-</u>	-
Total Accum Deferred Taxes	_	_	-
Cash Working Capital			
Materials and Supplies			
Fuel Inventory			
Non-plant Assets and Liabilities			
Customer Advances			
Customer Deposits			
Prepaids and Other			
Regulatory Amortizations	_	_	_
Total Other Rate Base Items	_	-	-
Total Rate Base			
Operating Revenues			
Retail			
Interdepartmental			
Other Operating Rev - Non-Retail			

Expenses

Operating Expenses: Fuel Deferred Fuel Variable IA Production Fuel

NSPM - Driver 00 Report Year 1 ALL IN	Dec - 2024		
	Total	SD Electric	Other
Purchased Energy - Windsource	<u>0</u>	<u>0</u>	<u>0</u>
Fuel & Purchased Energy Total			
Production - Fixed			
Production - Fixed IA Investment			
Production - Fixed IA O&M			
Production - Variable			
Production - Variable IA O&M			
Production - Purchased Demand	<u>0</u>	<u>0</u>	<u>0</u>
Production Total			
Regional Markets			
Transmission IA			
Transmission			
Distribution			
Customer Accounting	438,534	438,534	
Customer Service & Information			
Sales, Econ Dvlp & Other			
Administrative & General	<u>0</u>	<u>0</u>	<u>0</u>
Total Operating Expenses	<u>-</u> 438,534	<u>4</u> 38,534	<u>u</u>
	+30,55+	400,004	
Depreciation			
Amortization			
Amortization			
Taxes:			
Property Taxes			
ITC Amortization			
Deferred Taxes			
Deferred Taxes - NOL			
Less State Tax Credits deferred			
Less Federal Tax Credits deferred			
Deferred Income Tax & ITC			
Payroll & Other Taxes			
Total Taxes Other Than Income			
Income Before Taxes			
Total Operating Revenues			
less: Total Operating Expenses	438,534	438,534	
Book Depreciation			
Amortization			
Taxes Other than Income	-	-	-
Total Before Tax Book Income	(438,534)	(438,534)	
Tax Additions			
Book Depreciation			
Deferred Income Taxes and ITC			
Nuclear Fuel Burn (ex. D&D)			
Nuclear Outage Accounting			
Avoided Tax Interest			
Other Book Additions	_	<u>-</u>	-
Total Tax Additions			
Tax Deductions			
Total Rate Base			
Weighted Cost of Debt	<u>2.11%</u>	<u>2.11%</u>	<u>2.11%</u>
Debt Interest Expense			
Nuclear Outage Accounting			
Tax Depreciation and Removals			
NOL Utilized / (Generated)			
Other Tax / Book Timing Differences	<u>0</u>	<u>0</u>	<u>0</u>
Total Tax Deductions	<u> </u>	_	<u>-</u>
State Taxes			
State Taxable Income	(438,534)	(438,534)	

NSPM - Driver 00 Report Year 1 ALL IN	Dec - 2024		
	Total	SD Electric	Other
State Income Tax Rate	-	-	
State Taxes before Credits			
Less State Tax Credits applied	-	-	
otal State Income Taxes			
ederal Taxes			
Federal Sec 199 Production Deduction			
Federal Taxable Income	(438,534)	(438,534)	
Federal Income Tax Rate	<u>21.00%</u>	<u>21.00%</u>	<u>21.00</u> %
Federal Tax before Credits	(92,092)	(92,092)	
Less Federal Tax Credits	-	-	
otal Federal Income Taxes	(92,092)	(92,092)	
Total Taxes			
Total Taxes Other than Income			
Total Federal and State Income Taxes	(92,092)	(92,092)	
Fotal Taxes	(92,092)	(92,092)	
Total Operating Revenues			
Fotal Expenses	346,442	346,442	
AFDC Debt			
AFDC Equity	-	-	
let Income	(346,442)	(346,442)	
Rate of Return (ROR)		(2.2.2.1.2)	
Fotal Operating Income	(346,442)	(346,442)	
Total Rate Base	-	-	
ROR (Operating Income / Rate Base)			
Return on Equity (ROE)			
Net Operating Income	(346,442)	(346,442)	
Debt Interest (Rate Base * Weighted Cost of Debt)			
arnings Available for Common	(346,442)	(346,442)	
quity Rate Base (Rate Base * Equity Ratio)	-	-	
ROE (earnings for Common / Equity)			
Revenue Deficiency			
Required Operating Income (Rate Base * Required Return)			
Net Operating Income	(346,442)	(346,442)	
Operating Income Deficiency	346,442	346,442	
Revenue Conversion Factor (1/(1Composite Tax Rate))	1.265823	1.265823	1.265823
Revenue Deficiency (Income Deficiency * Conversion Fact	438,534	438,534	
Total Revenue Requirements			
Total Retail Revenues			
Revenue Deficiency	438,534	438,534	

Northern States Power Company South Dakota Electric Jurisdiction 2024 Actual HTY

Bad Debt Expense Adjustment - Deficiency

NSPM - Driver 00 Report Year 1 ALL IN	Dec - 2024		
NSPINI - Driver ou Report Year I ALL IN	Total	SD Electric	Other
Composite Income Tax Rate			
State Tax Rate			
Federal Statuatory Tax Rate	21.00%	21.00%	21.00%
Federal Effective Tax Rate	<u>21.00%</u>	<u>21.00%</u>	<u>21.00%</u>
Composite Tax Rate	21.00%	21.00%	21.00%
Revenue Conversion Factor (1/(1Composite Tax Rate))	1.265823	1.265823	1.265823
Weighted Cost of Capital			
Active Rates and Ratios Version	Proposed	Proposed	Proposed
Cost of Short Term Debt			
Cost of Long Term Debt	4.48%	4.48%	4.48%
Cost of Common Equity	10.30%	10.30%	10.30%
Ratio of Short Term Debt			
Ratio of Long Term Debt	47.13%	47.13%	47.13%
Ratio of Common Equity	52.87%	52.87%	52.87%
Weighted Cost of STD			
Weighted Cost of LTD	2.11%	2.11%	2.11%
Weighted Cost of Debt	2.11%	2.11%	2.11%
Weighted Cost of Equity	<u>5.45%</u>	<u>5.45%</u>	<u>5.45%</u>
Required Rate of Return	7.56%	7.56%	7.56%
Rate Base			
Plant Investment	29,944,665,600	2,286,933,810	27,657,731,790
Depreciation Reserve	13,121,302,530	920,890,473	12,200,412,057
Net Utility Plant	16,823,363,070	1,366,043,337	15,457,319,733
CWIP	0		0
Accumulated Deferred Taxes	3,302,076,864	251,210,394	3,050,866,470
DTA - NOL Average Balance	(44,887,523)	(17,341,251)	(27,546,272)
DTA - State Tax Credit Average Balance	(1,640,238)		(1,640,238)
DTA - Federal Tax Credit Average Balance	<u>(935,236,807)</u>	<u>(67,966,225)</u>	<u>(867,270,582)</u>
Total Accum Deferred Taxes	2,320,312,296	165,902,918	2,154,409,378
Cash Working Capital	(125,216,468)	(3,421,259)	(121,795,209)
Materials and Supplies	221,609,338	15,526,966	206,082,372
Fuel Inventory	90,768,091	6,425,745	84,342,345
Non-plant Assets and Liabilities	108,322,491	5,841,323	102,481,169
Customer Advances	(14,485,083)	(3,437,833)	(11,047,249)
Customer Deposits	(31,607,413)	(3,437,533)	(31,559,844)
Prepaids and Other	102,527,275	7,170,335	95,356,940
Regulatory Amortizations	<u>51,491,731</u>	<u>12,932,318</u>	<u>38,559,413</u>
Total Other Rate Base Items	403,409,962	40,990,025	362,419,937
Total Rate Base	14,906,460,737	1,241,130,445	13,665,330,292
Operating Revenues			
Retail	4,108,342,111	269,543,058	3,838,799,054
Interdepartmental	7,100, 37 2,111	203,373,030	5,050,799,054
Other Operating Rev - Non-Retail	760,177,848	<u>51,169,811</u>	709,008,037
Total Operating Revenues	4,868,519,959	320,712,868	4,547,807,091
Expenses			
Operating Expenses:			
Fuel	1,332,734,694	77,552,602	1,255,182,092
Deferred Fuel			
	5,980,428	71,019	5,909,408

NSPM - Driver 00 Report Year 1 ALL IN	Dec - 2024		
	Total	SD Electric	Other
Variable IA Production Fuel	8,086,503	572,468	7,514,036
Purchased Energy - Windsource	<u>15,814,361</u>	<u>0</u>	<u>15,814,361</u>
Fuel & Purchased Energy Total	1,362,615,986	78,196,089	1,284,419,897
Production - Fixed	487,074,077	34,672,106	452,401,971
Production - Fixed IA Investment			
Production - Fixed IA O&M	50,648,189	3,566,240	47,081,949
Production - Variable	4,960,005	356,109	4,603,895
Production - Variable IA O&M	6,300,926	446,061	5,854,864
Production - Purchased Demand	<u>159,758,746</u>	<u>11,248,933</u>	<u>148,509,813</u>
Production Total	708,741,943	50,289,450	658,452,492
Regional Markets	11,319,718	797,774	10,521,944
Transmission IA	151,156,475	10,643,230	140,513,245
Transmission	261,801,011	18,471,907	243,329,104
Distribution	114,259,427	7,446,030	106,813,397
Customer Accounting	72,749,285	4,990,805	67,758,481
Customer Service & Information	188,220,061	1,284,943	186,935,118
Sales, Econ Dvlp & Other	4,986,317	114,178	4,872,139
Administrative & General	304,433,142	<u>21,603,571</u>	<u>282,829,571</u>
al Operating Expenses	3,180,283,366	193,837,978	2,986,445,388
preciation	1,004,707,301	77,322,359	927,384,942
ortization	10,298,255	3,148,565	7,149,690
	10,200,200	5,2 10,000	,,143,030
<u>ies:</u>			
Property Taxes	256,702,019	13,586,787	243,115,232
ITC Amortization	(1,538,055)	(90,298)	(1,447,758
Deferred Taxes	164,625,531	12,295,427	152,330,104
Deferred Taxes - NOL	(51,376,110)	(33,951)	(51,342,159
Less State Tax Credits deferred			
Less Federal Tax Credits deferred	(448,488,209)	(31,749,826)	(416,738,383
Deferred Income Tax & ITC	(336,776,844)	(19,578,648)	(317,198,196
Payroll & Other Taxes	30,763,546	2,123,052	28,640,494
otal Taxes Other Than Income	(49,311,279)	(3,868,809)	(45,442,470
ome Before Taxes			
Fotal Operating Revenues	4,868,519,959	320,712,868	4,547,807,091
ess: Total Operating Expenses	3,180,283,366	193,837,978	2,986,445,388
Book Depreciation	1,004,707,301	77,322,359	927,384,942
Amortization	10,298,255	3,148,565	7,149,690
Taxes Other than Income	<u>(49,311,279)</u>	<u>(3,868,809)</u>	<u>(45,442,470</u>
tal Before Tax Book Income	722,542,316	50,272,774	672,269,542
x Additions	1 004 707 204	77 222 250	017 104 041
Book Depreciation	1,004,707,301	77,322,359	927,384,942
Deferred Income Taxes and ITC	(336,776,844)	(19,578,648)	(317,198,196
Nuclear Fuel Burn (ex. D&D)	105,269,250	7,412,218	97,857,032
Nuclear Outage Accounting	48,476,753	3,417,394	45,059,359
Avoided Tax Interest	40,411,048	2,458,232	37,952,816
Other Book Additions	<u>3,029,254</u>	<u>692,320</u>	<u>2,336,934</u>
tal Tax Additions	865,116,761	71,723,876	793,392,885
Deductions			
Total Rate Base	14,906,460,737	1,241,130,445	13,665,330,292
Weighted Cost of Debt	<u>2.11%</u>	<u>2.11%</u>	<u>2.11%</u>
Debt Interest Expense	314,526,322	26,187,852	288,338,469
Nuclear Outage Accounting	57,698,295	4,067,817	53,630,477
Tax Depreciation and Removals	1,841,117,161	138,061,715	1,703,055,446
NOL Utilized / (Generated)	(183,240,697)	(121,093)	(183,119,604
		(2,642,954)	<u>(35,412,933</u>
<u> Other Tax / Book Timing Differences</u>	<u>(38,055,887)</u>		

NSDM - Driver 00 Penert Veer 1 ALL IN	Dec - 2024		
NSPM - Driver 00 Report Year 1 ALL IN	Total	SD Electric	Other
State Taxable Income	(404,386,115)	(43,556,687)	(360,829,428
State Income Tax Rate	<u>-</u>	<u>-</u>	
State Taxes before Credits			
Less State Tax Credits applied	<u>-</u>	<u>-</u>	
Total State Income Taxes			
Federal Taxes			
Federal Sec 199 Production Deduction			
Federal Taxable Income	(404,386,115)	(43,556,687)	(360,829,428
Federal Income Tax Rate	<u>21.00%</u>	<u>21.00%</u>	<u>21.00%</u>
Federal Tax before Credits	(84,921,084)	(9,146,904)	(75,774,180
Less Federal Tax Credits	<u>0</u>	<u>-</u>	<u>0</u>
Total Federal Income Taxes	(84,921,084)	(9,146,904)	(75,774,180
Total Taxes			
Total Taxes Other than Income	(49,311,279)	(3,868,809)	(45,442,470
Total Federal and State Income Taxes	(84,921,084)	(9,146,904)	(75,774,180
Total Taxes	(134,232,363)	(13,015,713)	(121,216,650
Total Operating Revenues	4,868,519,959	320,712,868	4,547,807,091
Total Expenses	4,061,056,559	261,293,190	3,799,763,369
AFDC Debt			
AFDC Equity	-	-	
Net Income	807,463,401	59,419,679	748,043,722
Rate of Return (ROR)			
Total Operating Income	807,463,401	59,419,679	748,043,722
Total Rate Base	<u>14,906,460,737</u>	<u>1,241,130,445</u>	<u>13,665,330,292</u>
ROR (Operating Income / Rate Base)	5.42%	4.79%	5.47%
Return on Equity (ROE)			
Net Operating Income	807,463,401	59,419,679	748,043,722
Debt Interest (Rate Base * Weighted Cost of Debt)	(314,526,322)	(26,187,852)	(288,338,469
Earnings Available for Common	492,937,079	33,231,826	459,705,253
<u>Equity Rate Base (Rate Base * Equity Ratio)</u>	<u>7,881,045,791</u>	<u>656,185,666</u>	7,224,860,125
ROE (earnings for Common / Equity)	6.25%	5.06%	6.36%
Revenue Deficiency			
Required Operating Income (Rate Base * Required Return)	1,126,928,432	93,829,462	1,033,098,970
Net Operating Income	807,463,401	59,419,679	748,043,722
Operating Income Deficiency	319,465,031	34,409,783	285,055,248
Revenue Conversion Factor (1/(1Composite Tax Rate))	1.265823	1.265823	1.265823
Revenue Deficiency (Income Deficiency * Conversion Fact	404,386,115	43,556,687	360,829,428
Total Revenue Requirements			
Total Retail Revenues	4,108,342,111	269,543,058	3,838,799,054
Total Netal Nevenues	1,100,012,111	203,513,050	-,,,,
Revenue Deficiency	<u>404,386,115</u>	<u>43,556,687</u>	<u>360,829,428</u>