

Direct Testimony and Schedules  
Lisa H. Perkett

Before the North Dakota Public Service Commission  
State of North Dakota

In the Matter of the Application of Northern States Power Company  
for Authority to Increase Rates for Electric Service in North Dakota

Case No. PU-12-\_\_\_\_  
Exhibit\_\_(LHP-1)

**Nuclear Decommissioning and Depreciation**

December 18, 2012

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1 **I. INTRODUCTION**

2

3 Q. PLEASE STATE YOUR NAME AND TITLE.

4 A. My name is Lisa H. Perkett. I am the Director of Capital Asset Accounting  
5 for Xcel Energy Services Inc., which provides services to Northern States  
6 Power Company – Minnesota (NSPM or the Company).

7

8 Q. PLEASE SUMMARIZE YOUR QUALIFICATIONS AND EXPERIENCE.

9 A. I have over 32 years of experience in utility accounting. In my current role, I  
10 am responsible for managing our capital asset accounting policies, maintaining  
11 accounting and tax records for capital assets, ensuring capital asset-related  
12 reporting and regulatory requirements are met, maintaining plant information  
13 for ratemaking purposes, and managing the capital investment cost recovery  
14 process. My resume is provided as Exhibit\_\_\_\_(LHP-1), Schedule 1.

15

16 Q. WHAT IS THE PURPOSE OF YOUR TESTIMONY IN THIS PROCEEDING?

17 A. I support the level of depreciation and nuclear decommissioning expense  
18 included in the 2013 test year and provide information on remaining lives, net  
19 salvage rates, and depreciation expense for all Company assets used in  
20 providing electric service. I also support the Company’s recommendation  
21 regarding nuclear decommissioning accruals. Unless otherwise noted, my  
22 testimony provides total Company information. Company witness Ms. Anne  
23 E. Heuer includes the North Dakota electric jurisdictional amounts in her  
24 2013 test year revenue requirement.

25

26 Q. WHY IS IT IMPORTANT TO SET THE RIGHT LEVEL OF DEPRECIATION EXPENSE  
27 IN A RATE CASE?

1 A. The goal in setting depreciation lives and rates is to match depreciation  
2 expense with the useful lives of assets to ensure current customers pay the  
3 current cost of service, avoiding intergenerational inequity. The level of  
4 depreciation expense included in this case reflects the depreciation cost of  
5 service for the test year.

6

7 Q. HOW WAS THE 2013 BUDGET FOR NUCLEAR DECOMMISSIONING AND  
8 DEPRECIATION DETERMINED?

9 A. The 2013 budget for depreciation expense was based on the depreciation  
10 principles approved in Case No. PU-07-776, as implemented in Case Nos.  
11 PU-10-657 and PU-11-55. Those principles include:

- 12 • The nuclear decommissioning accrual remains at zero;
- 13 • The approved extended service lives for the Sherco, Prairie Island,  
14 Angus Anson, Granite City, High Bridge, Inver Hills, and Key City  
15 plants; and
- 16 • The transmission and distribution removal cost estimates used to  
17 determine the net salvage rates were consistent with the ordered rates in  
18 Case No. PU-07-776.

19

20 Q. ARE YOU PROPOSING ANY CHANGES TO PREVIOUSLY APPROVED LIVES, NET  
21 SALVAGE RATES, OR ACCRUALS IN THIS CASE?

22 A. Yes. I propose several changes affecting nuclear decommissioning costs,  
23 depreciation expense for production assets, and depreciation expense for  
24 transmission, distribution, and general assets. Specifically, I discuss:

- 25 • *Nuclear Decommissioning*, presenting a revised annual accrual assuming a  
26 60-year decommissioning period, and proposing to offset the 2013 and  
27 2014 accrual with Department of Energy (DOE) settlement payments.

- 1 • *Steam Production*, proposing changes to remaining lives for Minnesota  
2 Valley, Red Wing, and Wilmarth; changes to net salvage rate for Black  
3 Dog Units 3 and 4; and a reserve transfer to fully depreciate Minnesota  
4 Valley by the end of 2012.
- 5 • *Other Production*, proposing changes to remaining lives for Inver Hills  
6 and Riverside, and changes to net salvage rate for Black Dog Unit 5.
- 7 • *Transmission, Distribution, and General Assets*, proposing an update to  
8 average service lives and net salvage rates, the use of average remaining  
9 life depreciation rates to account for the reserve surplus, and a reserve  
10 transfer within each functional group.

11  
12 Table 1 shows the overall impact to depreciation expense by functional class.

13 **Table 1**  
14 **Summary of Depreciation Expense Change**

<b>Functional Class</b>	<b>Change in Depreciation Expense</b>
Nuclear Production (Decommissioning)	0
Electric Production	(\$4,968,577)
Transmission, Distribution, and General	(\$6,754,932)
<b>Total Depreciation Expense Change</b>	<b>(\$11,723,509)</b>

15  
16 Unless specifically stated and except for nuclear decommissioning, all  
17 depreciation numbers discussed above and later in my testimony are at total  
18 Company level. Ms Heuer provides the North Dakota jurisdictional costs in  
19 her testimony.

20  
21 **II. NUCLEAR DECOMMISSIONING COSTS**

22  
23 Q. WHAT IS THE COMPANY'S PROPOSAL RELATED TO NUCLEAR  
24 DECOMMISSIONING COSTS IN THIS PROCEEDING?

1 A. Currently, the decommissioning fund accrual is set to zero, and no funds are  
2 being collected from North Dakota customers. Consistent with the recent  
3 decision by the Minnesota Public Utilities Commission (MPUC) in our  
4 Triennial Nuclear Decommissioning proceeding (MPUC Docket No.  
5 E002/M-11-939), we propose using a 60-year decommissioning period and  
6 propose to retain the accrual at zero by placing all of the 2012 and 2013 DOE  
7 settlement payments into the external escrow fund to cover the increase in  
8 accrual that would otherwise need to be collected from North Dakota  
9 customers beginning in 2013. Under our proposal, there is no impact to the  
10 North Dakota jurisdiction for the test year.

11  
12 In our 2010 rate case settlement, the earlier DOE settlement payment was  
13 used to reduce the total rate increase. Using the 2012 and 2013 settlement  
14 payments to offset the accrual in 2013 and 2014 would have a similar effect:  
15 rather than providing a refund to customers and then raising rates, we propose  
16 to use the DOE settlement payments to reduce the requested increase in this  
17 case. In addition, we are proposing that the amount above what is necessary  
18 to offset the current decommissioning accrual to zero also be placed in the  
19 external escrow fund such that future accrual requirements, beyond 2013 and  
20 2014, will be reduced.

21  
22 Q. PLEASE BRIEFLY DESCRIBE THE OUTCOME OF MPUC DOCKET NO. E002/M-  
23 11-939.

24 A. In our Triennial Nuclear Decommissioning proceeding in Minnesota, we  
25 proposed an annual nuclear accrual amount greater than zero beginning in  
26 2013. Our submittal presented cost estimates using 36-year, 60-year, 100-year,  
27 and 200-year decommissioning periods. These decommissioning periods

1 assume the last fuel canister will not leave the last site until the specified  
2 number of years after shutdown of the plant. That filing also proposed that  
3 the accrual be funded by the DOE settlement payments for the next two years  
4 (using the 2012 settlement payment for the 2013 accrual and the expected  
5 2013 settlement payment for the 2014 accrual). The MPUC chose the 60-year  
6 cost estimate scenario with the DOE settlement payments from October 2012  
7 and 2013 being placed in the external escrow fund to cover the increase in  
8 accrual, resulting in no funds needing to be collected from Minnesota  
9 customers in 2013.

10  
11 Q. PLEASE SUMMARIZE THE INTERACTION OF THE ACCRUAL AND THE DOE  
12 SETTLEMENT PAYMENTS FOR THE NORTH DAKOTA JURISDICTION.

13 A. Table 2 below shows the 2013 and 2014 nuclear decommissioning accrual for  
14 the North Dakota jurisdiction based on the 60-year cost estimate, offset by the  
15 DOE settlement payments received in 2012 and 2013. As shown, we propose  
16 to offset the 2013 accrual with the two DOE settlement payments received in  
17 March and October 2012, and to use the expected October 2013 payment to  
18 offset the decommissioning accrual for 2014. Using the DOE settlement  
19 payments will place funds in the external escrow fund in excess of the accrual  
20 requirement; however, this process allows base rates to remain unchanged by  
21 the current decommissioning accrual.

1  
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**Table 2**  
**Summary of Nuclear Decommissioning Accrual\***

2013 Nuclear decommissioning accrual	\$276,513
March and October 2012 DOE Settlement Payment	\$1,875,897
Amount in excess of decommissioning accrual	\$1,599,384
2014 Nuclear decommissioning accrual	\$276,513
October 2013 DOE Settlement Payment (est.)	\$1,509,538
Amount in excess of decommissioning accrual	\$1,233,025
Total amount in excess at the end of 2014	\$2,832,409

3

\*Exhibit\_\_\_\_(LHP-1), Schedule 2

4

5

Q. HOW DOES THE COMPANY PROPOSE TO KEEP TRACK OF THE EXCESS FUNDING?

6

7

A. Once a Commission order approving this funding mechanism is issued, and upon receipt of funds for the 2013 payment, the Company would deposit the 2012 DOE settlement payments into the external escrow fund. Funds would be applied first to the current accrual and then the remaining DOE funds would be applied to future accruals. This process would be used until the excess funds have been exhausted and the accrual exceeds DOE settlement funds remaining to be applied.

14

15

Specifically, the amounts would be recognized in a regulatory liability account when the deposit occurs. On a monthly basis for 2013 and 2014, the Company would recognize one-twelfth of the annual decommissioning accrual and would reduce the regulatory liability by the same expense amount. At any point in time, the regulatory liability account will show the total amount funded from the DOE settlement payments less any accrual recognized.

16

17

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19

20

21

1 In late 2014, the Company will file its next Triennial Nuclear  
2 Decommissioning filing in Minnesota for 2015 and beyond. Continued use of  
3 DOE settlement payments to fund decommissioning escrow fund accruals  
4 will be reviewed at that time.

5  
6 Q. DOES THE COMPANY PROPOSE ANY ADJUSTMENTS TO THE 2013 BUDGET FOR  
7 NUCLEAR DECOMMISSIONING EXPENSE?

8 A. No. The Company's 2013 budget and 2013 test year revenue requirement  
9 reflects our proposal and therefore no adjustment is required.

10  
11 **III. DEPRECIATION FOR PRODUCTION ASSETS**

12  
13 Q. DOES THE COMPANY PROPOSE ANY ADJUSTMENTS TO THE 2013 BUDGET FOR  
14 DEPRECIATION EXPENSE FOR PRODUCTION ASSETS?

15 A. Yes. The Company's 2013 budget reflects the Commission-approved  
16 depreciation rates. The Company has prepared a 2012 North Dakota  
17 Remaining Lives Depreciation Study, and proposes to adjust certain  
18 depreciation rates effective January 1, 2013 to reflect the study results.  
19 Exhibit\_\_\_\_(LHP-1), Schedule 3. I discuss below our proposed adjustments  
20 to Steam Production and Other Production. In addition, I discuss a change to  
21 remaining lives we expect to propose in our annual Remaining Lives filing in  
22 Minnesota that has not been incorporated into the test year in this case.

23  
24 **A. Steam Production**

25 Q. PLEASE DESCRIBE THE DEPRECIATION CHANGES PROPOSED FOR THE STEAM  
26 PRODUCTION ASSETS.

1 A. The net effect of our proposed changes Steam Production depreciation is an  
2 increase of \$248,155. Exhibit \_\_\_\_ (LHP-1), Schedule 4, page 2. Our  
3 proposal includes the following:

- 4 • *Minnesota Valley Cost of Removal.* At the end of 2012, we propose to transfer  
5 the depreciation reserve from the operating steam units to the Minnesota  
6 Valley facility to cover the remaining removal costs estimated for this  
7 facility. As a result, Minnesota Valley will be fully depreciated starting in  
8 2013, including all its remaining expected removal costs, currently  
9 estimated to be \$21 million. Full depreciation at the end of 2012  
10 eliminates the depreciation expense for this plant from the revenue  
11 requirement in 2013. Because the removal costs have been fully funded, it  
12 will provide an offset to rate base until all removal is complete. In turn,  
13 the depreciation expense for operating steam plants that contributed to the  
14 depreciation reserve will increase slightly. The effect of this transaction is a  
15 decrease in depreciation expense for Minnesota Valley of \$1,564,848 with  
16 an increase in depreciation expense for the other operating steam plants of  
17 \$389,703, resulting in an overall decrease of \$1,175,145 for 2013.
- 18 • *Red Wing and Wilmarth Remaining Lives.* We propose a remaining life  
19 extension of five years for both the Red Wing and Wilmarth steam  
20 production plants. The remaining lives of these plants currently run  
21 through December 2012. These life extensions are intended to align the  
22 remaining life of the plants with the fuel contracts the Company has with  
23 refuse derived fuel providers. The life extension results in a decrease in  
24 depreciation expense of \$3,758,168 for Red Wing and \$2,641,500 for  
25 Wilmarth.
- 26 • *Black Dog Steam Production Cost of Removal.* For Black Dog Units 3 & 4, we  
27 propose a revision to the cost of removal identified in a removal study that

1 was done in 2010. The 2010 removal study did not include the removal of  
2 the ash ponds underneath the coal pile. The Company must remediate  
3 these ash ponds, which includes the remediation of the coal pile as well.  
4 The estimated cost of this additional remediation is approximately \$33.2  
5 million. Exhibit\_\_\_\_(LHP-1), Schedule 5 Including the additional  
6 remediation costs with the costs identified in the 2010 removal study  
7 changes the net salvage value from a negative 18.0 percent to a negative  
8 46.0 percent. This results in an increase of \$7,822,968 in depreciation  
9 expense in 2013. The large increase is in part the result of the short  
10 remaining lives of these units.

11  
12 **B. Other Production**

13 Q. PLEASE DESCRIBE THE DEPRECIATION CHANGES PROPOSED FOR THE OTHER  
14 PRODUCTION ASSETS.

15 A. The net effect our proposed changes to Other Production depreciation is a  
16 decrease of \$5,216,731. Exhibit\_\_\_\_(LHP-1), Schedule 4, page 3. Our  
17 proposal includes the following:

- 18 • *Black Dog Other Production Cost of Removal.* Upon review of the additional  
19 removal need for Units 3 & 4, we determined that we allocated too large a  
20 portion of the 2010 removal study amount for the entire Black Dog plant  
21 to the gas unit instead of the coal unit. Therefore, we reallocated the 2010  
22 removal estimate, allocating a larger part to steam production. This then  
23 reduces the net salvage rate for Black Dog Unit 5, decreasing depreciation  
24 on that unit by \$418,835.
- 25 • *Inver Hills Other Production Plant Remaining Life.* We propose a remaining life  
26 extension of 10 years for the Inver Hills other production plants. The  
27 remaining life of this plant is currently set to expire in December 2016.

1 Significant work has taken place in order to extend the operating life of the  
2 plant. This includes replacing the turbine wheels for all six units. This life  
3 extension results in a decrease of depreciation expense of \$2,052,143.

- 4 • *Riverside Other Production Plant Remaining Life.* We propose a remaining life  
5 extension of 10 years for the Riverside other production plants. When the  
6 Riverside other production plant was put into service, it was given an initial  
7 remaining life of 30 years. We now believe that this estimate is too short  
8 for a whole life for a plant of this type. The US Energy Information  
9 Administration has published in *Today in Energy* (June 16, 2011) data  
10 showing that across the industry, a significant number of existing gas  
11 generation facilities between 30 and 50 years old continued to be in  
12 operation at the end of 2010. Based on this information, the initial  
13 remaining life set for the Riverside plant, currently set to expire in March  
14 2039, does not represent a proper estimate of the whole life of a plant of  
15 this type. As such, we propose a remaining life extension of 10 years for  
16 the Riverside other production plants, resulting in a decrease of  
17 depreciation expense of \$2,745,753.

18  
19 Q. PLEASE SUMMARIZE THE PROPOSED CHANGES TO DEPRECIATION EXPENSE  
20 FOR PRODUCTION ASSETS INCLUDED IN THE TEST YEAR.

21 A. Table 3 below summarizes our proposed changes to depreciation expense for  
22 production assets.

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24  
25  
26  
27

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2

**Table 3**  
**Summary of Electric Production Depreciation Expense Change\***

<b>Production Plant</b>	<b>Change in Depreciation Expense</b>
Black Dog Units 3 & 4	\$7,925,920
Allen S. King	130,364
Minnesota Valley	(1,564,848)
Red Wing	(3,758,168)
Sherco Unit 1 & 2	72,501
Sherco Unit 3	83,886
Wilmarth	(2,641,501)
Black Dog Unit 5	(418, 835)
Inver Hills	(2,052,143)
Riverside	(2,745,753)
<b>Total Depreciation Expense Change</b>	<b>(\$4,968,577)</b>

3 \*Exhibit\_\_\_\_(LHP-1), Schedule 4

4

5 Q. DO YOU PROVIDE ANY ADDITIONAL DETAIL ON THESE CHANGES IN  
6 DEPRECIATION EXPENSE IN 2013?

7 A. Yes. Exhibit\_\_\_\_(LHP), Schedule 3, is the North Dakota Remaining Life  
8 Depreciation Study for Production Facilities. This Study provides the  
9 calculation of the changes along with the documentation supporting the  
10 changes. Ms. Heuer provides the revenue requirement impact of these  
11 changes for the test year.

12

13 **C. Remaining Lives Changes for 2013**

14 Q. WHAT CHANGES DO YOU EXPECT TO PROPOSE IN THE 2013 REMAINING LIVES  
15 FILING IN MINNESOTA?

16 A. Based on recent new information, we expect to include the following changes  
17 in our 2013 Remaining Lives filing in Minnesota, effective January 1, 2013:

- 18 • Black Dog Units 3 and 4 – coal pile and ash pond remediation; and
- 19 • Granite City – new remaining life based on new capital investments.

1 Q. HAVE THESE CHANGES BEEN INCORPORATED INTO THE TEST-YEAR REVENUE  
2 REQUIREMENT?

3 A. The Black Dog remediation costs have been included as discussed above.  
4 However, the Granite City changes were not known in time to be  
5 incorporated into the test-year revenue requirement.

6

7 Q. WHAT CHANGES DO YOU EXPECT TO PROPOSE FOR GRANITE CITY IN THE  
8 2013 REMAINING LIVES FILING?

9 A. In North Dakota, Granite City uses a remaining life based on end of  
10 operations in 2013. This plant will not be retired from operation and will  
11 continue operations beyond 2013.

12

13 Energy Supply recently updated plans for the Granite City plant and  
14 concluded that additional work will be needed to continue operations through  
15 2018. Specifically, a new operating control system for Units 1 and 2 is  
16 required at an estimated cost of \$294,000. The existing control system is  
17 obsolete and no longer supported by the manufacturer. If the system is not  
18 replaced, control cards could fail and extended outages could occur. We  
19 anticipate capital expenditures of \$180,000 in 2012 and \$114,000 in 2013 to  
20 complete the control system upgrade; with AFUDC the total addition is  
21 approximately \$298,000. In addition, it will be necessary to replace the diesel  
22 starting motors at the Granite City plant in 2016 at a cost of about \$600,000.

23

24 In our 2013 Minnesota Annual Remaining Lives filing in February 2013, we  
25 plan to propose establishing a new remaining life to expire at the end of 2018  
26 on our Granite City control system investment beginning with its in-service  
27 date, currently estimated to be May 2013. Applying this same extension of the

1 remaining life to North Dakota, the remaining life extension would be five  
2 years. The estimated depreciation expense for 2013 is an increase of \$31,416  
3 on a total Company basis.

4  
5 Q. HAVE YOU REFLECTED THIS CHANGE IN DEPRECIATION EXPENSE IN THIS  
6 CASE?

7 A. No. Capital Asset Accounting did not know of the changes related to Granite  
8 City in time to incorporate the change in this case. If the Commission accepts  
9 our proposal, we would make the necessary changes to the revenue  
10 requirement to reflect that approval.

11  
12 **IV. DEPRECIATION FOR TRANSMISSION,**  
13 **DISTRIBUTION AND GENERAL ASSETS**

14  
15 Q. DID THE COMPANY PREPARE A 2012 NORTH DAKOTA DEPRECIATION STUDY  
16 FOR TRANSMISSION, DISTRIBUTION AND GENERAL ASSETS?

17 A. Yes. The Study is provided as Exhibit\_\_\_(LHP-1), Schedule 7.

18  
19 Q. PLEASE GENERALLY DESCRIBE THE RESULTS OF THE 2012 NORTH DAKOTA  
20 DEPRECIATION STUDY FOR TRANSMISSION, DISTRIBUTION AND GENERAL  
21 ASSETS.

22 A. In aggregate, average service lives were lengthened to better reflect the  
23 expected useful lives of our assets, and net salvage rates became more negative  
24 to better reflect the expected higher costs of removal. We also propose a  
25 change from using average service life methodology to using an average  
26 remaining life methodology for all electric and common assets. This change

1 results in the elimination of the difference between the theoretical and actual  
2 reserve surplus by spreading it over the average remaining lives of the assets.

3  
4 Q. DID THE 2012 TRANSMISSION, DISTRIBUTION AND GENERAL STUDY PROPOSE  
5 CHANGES IN THE DEPRECIATION RATES FOR COMMON UTILITY ASSETS, AND  
6 WHAT EFFECT DO THOSE CHANGES HAVE?

7 A. Yes. Depreciation rates for Common Utility assets, which were not adjusted  
8 in the last rate case, were also reviewed in the 2012 North Dakota  
9 Depreciation Study. The Study recommends an increase in depreciation for  
10 Common Utility of \$1.09 million based on January 1, 2012 plant balances for  
11 total Company. The Study shows the decrease in depreciation expense of  
12 \$6.95 for Transmission, an increase of \$1.48 million for Distribution, and a  
13 decrease of \$2.37 million for General (including Software) for 2012 and the  
14 2013 test-year calculation (using the proposed rates), for a decrease of \$6.75  
15 million for both electric and common utilities for the test year on a total  
16 Company basis.

17  
18 Q. HAVE THE CHANGES YOU PROPOSE BEEN INCORPORATED INTO THE CURRENT  
19 TEST YEAR?

20 A. Yes. Using the depreciation rates that were approved in Case No. PU-07-776,  
21 we incorporated the effect of the depreciation expense change into the test  
22 year. This resulted in a \$6.75 million decrease to depreciation expense for  
23 electric Transmission, Distribution, General Assets and common utilities at a  
24 total Company level. However, the Electric Distribution change in  
25 depreciation expense is only for assets within the State of North Dakota,  
26 whereas the other functional classes are for all three jurisdictions. Thus, the  
27 Electric Distribution does not need to be allocated to jurisdiction. Calculating

1 the jurisdictional net impact of the depreciation changes for transmission,  
2 distribution, and general plant results in an increase of \$1.1 million for North  
3 Dakota customers.

4 **Table 4**  
5 **Transmission, Distribution, and General Depreciation Changes\***

<b>Functional Class</b>	<b>Total Company Change</b>	<b>North Dakota Jurisdictional Change</b>
Electric Transmission	\$(6,952,744)	\$(355,434)
Electric Distribution	1,484,146	1,484,146
Electric General	(2,102,725)	(128,683)
Electric Software	(272,608)	(16,502)
Common General	418,953	23,683
Common Software	670,045	34,844
<b>Total Change</b>	<b>(\$6,754,933)</b>	<b>\$1,042,054</b>

6 \*Exhibit \_\_\_\_ (LHP-1), Schedule 6

7  
8 Q. YOU PROPOSE AMORTIZING THE DIFFERENCE BETWEEN THE ACTUAL AND  
9 THEORETICAL RESERVES OVER THE REMAINING LIVES OF THE TRANSMISSION,  
10 DISTRIBUTION AND GENERAL ASSETS. PLEASE EXPLAIN?

11 A. This amortization is one part of the overall depreciation change presented  
12 above. The Study updated the average service life and net salvage rates for  
13 each FERC Account. From there the average remaining life was determined  
14 for each account resulting in an average remaining depreciation rate. The  
15 process of switching from using the average service life to determine the  
16 depreciation rate to using the average remaining life automatically includes the  
17 amortization of any reserve imbalance over this average remaining life.

18  
19 Q. PLEASE EXPLAIN HOW A RESERVE IMBALANCE OCCURS.

20 A. The investment in assets plus net salvage amounts is recovered over the life of  
21 the assets through depreciation expense. As the Company recovers those  
22 investments and net salvage amounts, they are accumulated to the

1 depreciation reserve, reducing rate base. The actual reserve represents the life-  
2 to-date depreciation expense less retirements using Commission-approved  
3 depreciation rates. If during the life of the asset the useful life changes or the  
4 net salvage amount changes, then the depreciation expense changes such that  
5 over the entire life of the asset exactly 100 percent of the original investment  
6 plus net salvage is recovered. The amount of depreciation reserve as of a  
7 point in time that the Company would have accumulated had the change in  
8 circumstances been known at the time the asset went into service is termed  
9 the theoretical reserve.

10  
11 The difference between the actual and theoretical reserves is either a surplus  
12 or a deficit in the reserve. A surplus generally results when the change in  
13 average service life is an increase or the net salvage rate becomes less negative  
14 or more positive. Stated differently, actual reserves are based on historical  
15 rates and lives, whereas the theoretical reserve is based on the current  
16 assumptions applied as if they had been in place from the beginning of an  
17 asset's useful life. The Company proposes amortizing the difference between  
18 the actual and theoretical reserves over the remaining lives of the transmission,  
19 distribution, and general assets, which is consistent with the principle that any  
20 change in depreciation costs be reflected using straight-line depreciation over  
21 the remaining useful lives of the assets.

22  
23 Q. CAN YOU PROVIDE A SIMPLE EXAMPLE?

24 A. Yes. Assume the Company owns an asset with an initial investment cost of  
25 \$90 and a net salvage cost of \$10. The total amount of cost to be recovered  
26 over the life of the asset is \$100. Assume further that the initial life of the  
27 asset is 10 years. Thus, the depreciation expense would be \$10 per year. Now

1 assume that at the end of year five we determine the useful life should be  
2 extended an additional five years, for a total life of 15 years. At the end of five  
3 years, the accumulated actual reserve would be \$50. However, the theoretical  
4 reserve would be \$33.33 ( $\$100/15\text{yrs} * 5\text{yrs}$ ). We would then have a \$16.67  
5 surplus.

6  
7 Under our proposal, we would lower the depreciation expense to \$5 – to  
8 recover the remaining unrecovered \$50 investment and net salvage over the 10  
9 remaining years. This is comprised of two steps. First, we spread the \$100  
10 over 15 years, which equates to an average service life depreciation of \$6.67.  
11 Next, the average service life depreciation is offset by the \$16.66 surplus over  
12 the remaining 10 years to reduce depreciation expense by \$1.67 per year  
13 ( $\$16.67$  surplus over 10 years). The total results in \$5 in depreciation ( $\$6.67$   
14 average service life less \$1.67 in reserve surplus).

15  
16 Q. WHAT IS THE AMOUNT OF RESERVE SURPLUS BEING AMORTIZED BY  
17 SWITCHING FROM AN AVERAGE SERVICE LIFE METHOD TO A REMAINING LIFE  
18 METHOD IN THE 2012 STUDY?

19 A. The reserve surplus identified in the 2012 Study is \$176.6 million for the  
20 NSPM electric utility, and the average remaining life of all assets is 42.11 years.  
21 This results in an approximate \$4.2 million annual reduction in depreciation  
22 expense at total Company level. Compared to the total 2012 transmission,  
23 distribution, and general plant balance of \$2.4 billion, the annual amortization  
24 of the surplus is approximately 0.2 percent of the plant. This amortization has  
25 been included in the change shown in the Table 3 above. The transmission,  
26 distribution, and general rates proposed are average remaining life rates. The  
27 previous rates were based on average service life. This change in how

1 depreciation rates are calculated includes the amortization of the \$176.6  
2 million in reserve excess over the average remaining life of the assets. In each  
3 future study for transmission, distribution, and general assets, any reserve  
4 imbalance will similarly be amortized over the then remaining lives of those  
5 assets.

## 6 7 **V. CONCLUSION**

8  
9 Q. PLEASE SUMMARIZE YOUR TESTIMONY.

10 A. The depreciation expense included in the 2013 test year is based on the 2012  
11 North Dakota Remaining Life study for production plant and the 2012 North  
12 Dakota study for Transmission, Distribution, and General Assets. We also  
13 propose one additional change to 2013 for Granite City. With respect to  
14 nuclear decommissioning, we propose using the DOE settlement payments to  
15 fund the accrual for 2013 and 2014 to eliminate the need to include an accrual  
16 in the test year deficiency.

17  
18 Q. DOES THIS CONCLUDE YOUR TESTIMONY?

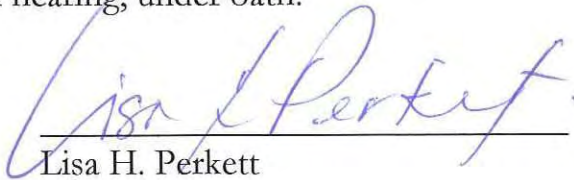
19 A. Yes, it does.

1 STATE OF NORTH DAKOTA  
2 BEFORE THE  
3 PUBLIC SERVICE COMMISSION  
4  
5

6 In the Matter of the Application of Northern )  
7 States Power Company, a Minnesota Corporation )  
8 For Authority to Increase Rates for Electric Service ) Case No. PU-12-\_\_\_\_  
9 in North Dakota )

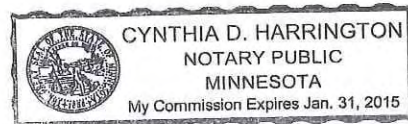
10  
11  
12  
13 **AFFIDAVIT OF**  
14 **Lisa H. Perkett**  
15

16  
17 I, the undersigned, being duly sworn, depose and say that the foregoing is  
18 the Direct Testimony of the undersigned, and that such Direct Testimony and the  
19 exhibits or schedules sponsored by me to the best of my knowledge, information  
20 and belief, are true, correct, accurate and complete, and I hereby adopt said  
21 testimony as if given by me in formal hearing, under oath.  
22

23  
24   
25 Lisa H. Perkett

26  
27  
28  
29  
30 Subscribed and sworn to before me, this 11<sup>th</sup> day of December, 2012.

31  
32  
33   
34 Notary Public



**Statement of Qualifications**  
**Lisa H. Perkett**

**Education:**

**Bachelor of Science – Business 1979**

University of Minnesota

**Certified Management Accountant – since 1995**

**Employment:**

**Xcel Energy Services, Inc.**

2000 – Present                      Director, Capital Asset Accounting

**Northern States Power Company**

1994 – 2000                      Director, Capital Asset Accounting

1990 to 1994                      Manager, Capital Recovery

1987 to 1990                      Principal Capital Recovery Analyst

1985 to 1987                      Senior Depreciation Analyst

1982 to 1985                      Depreciation Analyst

1981 to 1982                      Associate Depreciation Analyst

1980 to 1981                      Assistant Operations Analyst

**Nuclear Decommission Accrual 60-Year Decommissioning Period**

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**PRESENT TO PROPOSED ACCRUAL COMPARISON**

	<u>Present</u>	<u>Proposed</u>	<u>Difference</u>
<b>EXTERNAL FUND</b>			
Monticello	\$0	\$276,513	\$276,513
Prairie Island Unit 1	0	0	0
Prairie Island Unit 2	0	0	0
<b>TOTAL</b>	<u>\$0</u>	<u>\$276,513</u>	<u>\$276,513</u>

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*Levelized (beginning of year payment, mid year interest)*

**ANNUAL ACCRUAL SUMMARY (2013 and 2014)**

	Remaining Life (yrs)	Operational Earnings Rate	Post-Shutdown Earnings Rate	Present Value to Decommission	Recovered Through 12/31/2011	2013-2014 Decommissioning Accrual
	(9)	(10)	(10)	(5)	(11)	(12)
<b>EXTERNAL FUND</b>						
Monticello	18.75	5.35%	4.82%	\$87,367,595	\$26,039,224	276,513
Prairie Island Unit 1	21.80	5.50%	4.66%	63,763,758	22,577,816	0
Prairie Island Unit 2	22.80	5.53%	4.57%	80,066,577	24,633,153	0
<b>TOTAL DECOMMISSIONING ACCRUAL</b>				<b>\$231,197,930</b>	<b>\$73,250,193</b>	<b>\$276,513</b>

**INPUT DATA**

Escalation Rate (Operation/Radiological)	3.63% (a)
Escalation Rate (ISFSI/Site Restoration)	2.63% (a)
Jurisdictional Factor	4.8195% (b)
IRS Tax Qualified Percent	100.00% (c)
External Percent	100.00% (d)

**NOTES**

**Input Data**

- (a) = Inflation rate from current filing documentation
- (b) = Minnesota jurisdictional percent from last electric rate case
- (c) = IRS qualifying percent based upon 2005 Energy Policy Act
- (d) = Recommended external funding

**Amount to Recover**

- (1) = Current cost estimate by year from TLG Cost Study, 2011.
- (2) = Jurisdictional Nominal Cost = (1) x (c)
- (3) = Future Value of jurisdictional nominal cost
- (4) = Discount factor based upon the applicable earnings rate for present value calculation
- (5) = Present value to decommission at the start of 2012

**Decommissioning Accrual**

- (9) = Remaining life based on E,G002/D-11-144
- (10) = Fund earnings rate
- (11) = Fund balances to date
- (12) = Annuity or decommissioning accrual

Levelized (beginning of year payment, mid year interest)

AMOUNT TO RECOVER						
	Cost Estimate Nominal \$s	Jurisdictional Cost in Nominal \$s	Escalation Factor	Jurisdictional Cost in Future \$'s	Discount Factor	Present Value to Decommission
	(1)	(2)	(3)	(4)	(5)	(6)
<b>Monticello</b>			3.63%			
<i>Factors</i>	2011	4.8195%	2.63%		4.82%	2030
2030	\$46,816,494	\$2,256,321	1.9689	\$4,442,470	1.00000	\$4,442,470
2031	78,495,008	3,783,067	2.0404	7,718,970	0.95402	7,364,052
2032	139,438,497	6,720,238	2.1144	14,209,272	0.91015	12,932,569
2033	100,437,685	4,840,594	2.1912	10,606,710	0.86830	9,209,806
2034	71,955,826	3,467,911	2.2707	7,874,586	0.82837	6,523,070
2035	85,326,011	4,112,287	2.3532	9,677,034	0.79028	7,647,566
2036	16,260,256	783,663	2.4386	1,911,041	0.75394	1,440,810
2037	16,215,986	781,529	2.5271	1,975,003	0.71927	1,420,560
2038	16,215,986	781,529	2.6188	2,046,669	0.68619	1,404,404
2039	16,215,986	781,529	2.7139	2,120,993	0.65464	1,388,487
2040	16,260,256	783,663	2.8124	2,203,974	0.62454	1,376,470
2041	16,215,986	781,529	2.9145	2,277,768	0.59582	1,357,139
2042	16,215,986	781,529	3.0203	2,360,453	0.56842	1,341,729
2043	16,215,986	781,529	3.1299	2,446,109	0.54228	1,326,476
2044	16,260,256	783,663	3.2436	2,541,889	0.51735	1,315,046
2045	66,668,898	3,213,108	3.3613	10,800,218	0.49356	5,330,556
2046	43,453,900	2,094,261	3.4833	7,294,938	0.47086	3,434,895
2047	26,399,107	1,272,305	3.6098	4,592,766	0.44921	2,063,117
2048	25,328,031	1,220,684	3.7408	4,566,336	0.42855	1,956,903
2049	5,668,528	273,195	3.8766	1,059,067	0.40885	432,999
2050	13,810,528	665,598	4.0173	2,673,909	0.39005	1,042,958
2051	18,261,028	880,090	4.1631	3,663,904	0.37211	1,363,375
2052	10,858,901	523,345	4.3143	2,257,866	0.35500	801,543
2053	16,777,528	808,593	4.4709	3,615,138	0.33868	1,224,375
2054	21,228,028	1,023,085	4.6332	4,740,157	0.32310	1,531,545
2055	5,611,028	270,424	3.1338	847,453	0.30825	261,227
2056	5,626,401	271,164	3.2162	872,119	0.29407	256,464
2057	5,611,028	270,424	3.3008	892,614	0.28055	250,423
2058	5,611,028	270,424	3.3876	916,087	0.26765	245,191
2059	5,611,028	270,424	3.4767	940,181	0.25534	240,066
2060	5,626,401	271,164	3.5681	967,542	0.24360	235,693
2061	5,611,028	270,424	3.6620	990,291	0.23240	230,144
2062	5,611,028	270,424	3.7583	1,016,333	0.22171	225,331
2063	5,611,028	270,424	3.8571	1,043,051	0.21152	220,626
2064	5,626,401	271,164	3.9586	1,073,431	0.20179	216,608
2065	5,611,028	270,424	4.0627	1,098,650	0.19251	211,501
2066	5,611,028	270,424	4.1695	1,127,531	0.18366	207,082
2067	5,611,028	270,424	4.2792	1,157,196	0.17521	202,752
2068	5,626,401	271,164	4.3917	1,190,873	0.16716	199,066
2069	5,611,028	270,424	4.5072	1,218,853	0.15947	194,370
2070	5,611,028	270,424	4.6258	1,250,925	0.15214	190,316
2071	5,611,028	270,424	4.7474	1,283,809	0.14514	186,332
2072	5,626,401	271,164	4.8723	1,321,194	0.13847	182,946
2073	5,611,028	270,424	5.0004	1,352,226	0.13210	178,629
2074	5,611,028	270,424	5.1320	1,387,813	0.12603	174,906
2075	5,611,028	270,424	5.2669	1,424,294	0.12023	171,243
2076	5,629,009	271,290	5.4054	1,466,431	0.11470	168,200
2077	7,193,072	346,670	5.5476	1,923,187	0.10943	210,454
2078	8,453,472	407,415	5.6935	2,319,618	0.10440	242,168
2079	8,138,372	392,229	5.8432	2,291,872	0.09959	228,247
2080	8,156,353	393,095	5.9969	2,357,354	0.09502	223,996
2081	8,138,372	392,229	6.1546	2,414,012	0.09065	218,830
2082	8,453,472	407,415	6.3165	2,573,437	0.08648	222,551
2083	8,138,372	392,229	6.4826	2,542,663	0.08250	209,770
2084	8,156,353	393,095	6.6531	2,615,303	0.07871	205,851
2085	8,138,372	392,229	6.8281	2,678,178	0.07509	201,104
2086	8,453,472	407,415	7.0077	2,855,043	0.07164	204,535
2087	8,138,372	392,229	7.1920	2,820,910	0.06834	192,781
2088	10,456,353	503,944	7.3811	3,719,660	0.06520	242,522
2089	8,138,372	392,229	7.5753	2,971,251	0.06220	184,812
2090	7,200,391	347,023	7.7745	2,697,929	0.05934	160,095
2091	4,494,458	216,610	7.9790	1,728,334	0.05661	97,841
	\$1,160,385,781	\$55,924,793		\$183,024,887		\$87,367,595

Levelized (beginning of year payment, mid year interest)

**AMOUNT TO RECOVER**

	Cost Estimate Nominal \$s	Jurisdictional Cost in Nominal \$s	Escalation Factor	Jurisdictional Cost in Future \$'s	Discount Factor	Present Value to Decommission
	(1)	(2)	(3)	(4)	(5)	(6)
<b>Prairie Island Unit 1</b>			<b>3.63%</b>			
<i>Factors</i>	<i>2011</i>	<i>4.8195%</i>	<i>2.63%</i>		<i>4.66%</i>	<i>2033</i>
2033	21,634,067	1,042,654	2.1912	2,284,663	1.00000	2,284,663
2034	68,248,683	3,289,245	2.2707	7,468,889	0.95547	7,136,300
2035	128,707,326	6,203,050	2.3532	14,597,016	0.91293	13,326,054
2036	87,529,882	4,218,503	2.4386	10,287,241	0.87228	8,973,354
2037	56,084,171	2,702,977	2.5271	6,830,692	0.83345	5,693,040
2038	6,348,489	305,965	2.6188	801,262	0.79634	638,077
2039	12,765,489	615,233	2.7139	1,669,680	0.76088	1,270,426
2040	6,365,882	306,804	2.8124	862,855	0.72700	627,295
2041	19,182,489	924,500	2.9145	2,694,455	0.69463	1,871,650
2042	6,348,489	305,965	3.0203	924,107	0.66370	613,330
2043	19,182,489	924,500	3.1299	2,893,593	0.63415	1,834,972
2044	6,365,882	306,804	3.2436	995,148	0.60592	602,980
2045	19,182,489	924,500	3.3613	3,107,522	0.57894	1,799,069
2046	6,348,489	305,965	3.4833	1,065,769	0.55316	589,541
2047	19,182,489	924,500	3.6098	3,337,260	0.52853	1,763,842
2048	6,365,882	306,804	3.7408	1,147,691	0.50500	579,584
2049	30,477,394	1,468,858	3.8766	5,694,175	0.48251	2,747,496
2050	28,792,439	1,387,652	4.0173	5,574,613	0.46103	2,570,064
2051	19,394,566	934,721	4.1631	3,891,338	0.44050	1,714,134
2052	18,959,897	913,772	4.3143	3,942,287	0.42089	1,659,269
2053	10,862,342	523,511	4.4709	2,340,563	0.40215	941,258
2054	3,848,051	185,457	3.0535	566,292	0.38424	217,592
2055	3,532,951	170,271	3.1338	533,594	0.36713	195,898
2056	4,013,985	193,454	3.2162	622,187	0.35079	218,257
2057	3,532,951	170,271	3.3008	562,029	0.33517	188,375
2058	3,375,401	162,677	3.3876	551,086	0.32024	176,480
2059	3,690,501	177,864	3.4767	618,379	0.30599	189,218
2060	3,541,335	170,675	3.5681	608,984	0.29236	178,043
2061	3,690,501	177,864	3.6620	651,337	0.27934	181,944
2062	3,690,501	177,864	3.7583	668,465	0.26691	178,420
2063	3,690,501	177,864	3.8571	686,038	0.25502	174,953
2064	3,541,335	170,675	3.9586	675,633	0.24367	164,631
2065	3,690,501	177,864	4.0627	722,607	0.23282	168,237
2066	3,690,501	177,864	4.1695	741,603	0.22245	164,970
2067	3,532,951	170,271	4.2792	728,622	0.21255	154,869
2068	3,698,885	178,268	4.3917	782,899	0.20308	158,991
2069	3,690,501	177,864	4.5072	801,667	0.19404	155,556
2070	3,532,951	170,271	4.6258	787,638	0.18540	146,028
2071	3,690,501	177,864	4.7474	844,390	0.17715	149,584
2072	3,698,885	178,268	4.8723	868,574	0.16926	147,015
2073	3,532,951	170,271	5.0004	851,421	0.16172	137,692
2074	3,690,501	177,864	5.1320	912,796	0.15452	141,045
2075	4,840,501	233,288	5.2669	1,228,704	0.14764	181,406
2076	3,541,335	170,675	5.4054	922,565	0.14107	130,146
2077	15,765,905	759,838	5.5476	4,215,276	0.13479	568,177
2078	1,693,045	81,596	5.6935	464,569	0.12879	59,832
	\$700,767,249	\$33,773,478		\$104,028,175		\$63,763,758

Levelized (beginning of year payment, mid year interest)

<b>AMOUNT TO RECOVER</b>						
	Cost Estimate Nominal \$s	Jurisdictional Cost in Nominal \$s	Escalation Factor	Jurisdictional Cost in Future \$'s	Discount Factor	Present Value to Decommission
	(1)	(2)	(3)	(4)	(5)	(6)
<b>Prairie Island Unit 2</b>			<b>3.63%</b>			
<i>Factors</i>	<i>2011</i>	<i>4.8195%</i>	<i>2.63%</i>		<i>4.57%</i>	<i>2034</i>
2034	8,805,190	424,366	2.2707	963,608	1.00000	963,608
2035	75,517,342	3,639,558	2.3532	8,564,609	0.95630	8,190,335
2036	107,593,205	5,185,455	2.4386	12,645,249	0.91450	11,564,081
2037	114,544,597	5,520,477	2.5271	13,950,797	0.87454	12,200,530
2038	77,845,702	3,751,774	2.6188	9,825,145	0.83632	8,216,965
2039	29,841,648	1,438,218	2.7139	3,903,180	0.79977	3,121,647
2040	14,422,857	695,110	2.8124	1,954,926	0.76482	1,495,167
2041	27,217,451	1,311,745	2.9145	3,823,081	0.73139	2,796,163
2042	14,383,451	693,210	3.0203	2,093,703	0.69943	1,464,399
2043	27,217,451	1,311,745	3.1299	4,105,631	0.66886	2,746,092
2044	14,422,857	695,110	3.2436	2,254,658	0.63963	1,442,147
2045	27,217,451	1,311,745	3.3613	4,409,169	0.61168	2,697,000
2046	14,383,451	693,210	3.4833	2,414,660	0.58494	1,412,431
2047	27,217,451	1,311,745	3.6098	4,735,137	0.55938	2,648,741
2048	14,422,857	695,110	3.7408	2,600,266	0.53493	1,390,960
2049	38,371,215	1,849,301	3.8766	7,168,999	0.51156	3,667,373
2050	36,302,211	1,749,585	4.0173	7,028,608	0.48920	3,438,395
2051	25,302,709	1,219,464	4.1631	5,076,751	0.46782	2,375,006
2052	23,771,030	1,145,645	4.3143	4,942,655	0.44738	2,211,245
2053	13,123,312	632,478	4.4709	2,827,746	0.42782	1,209,766
2054	3,848,051	185,457	3.0535	566,292	0.40913	231,687
2055	3,532,951	170,271	3.1338	533,594	0.39125	208,769
2056	4,013,985	193,454	3.2162	622,187	0.37415	232,791
2057	3,532,951	170,271	3.3008	562,029	0.35780	201,094
2058	3,375,401	162,677	3.3876	551,086	0.34216	188,560
2059	3,690,501	177,864	3.4767	618,379	0.32721	202,340
2060	3,541,335	170,675	3.5681	608,984	0.31291	190,557
2061	3,690,501	177,864	3.6620	651,337	0.29923	194,900
2062	3,690,501	177,864	3.7583	668,465	0.28615	191,281
2063	3,690,501	177,864	3.8571	686,038	0.27365	187,734
2064	3,541,335	170,675	3.9586	675,633	0.26169	176,806
2065	3,690,501	177,864	4.0627	722,607	0.25025	180,832
2066	3,690,501	177,864	4.1695	741,603	0.23932	177,480
2067	3,532,951	170,271	4.2792	728,622	0.22886	166,752
2068	3,698,885	178,268	4.3917	782,899	0.21886	171,345
2069	3,690,501	177,864	4.5072	801,667	0.20929	167,781
2070	3,532,951	170,271	4.6258	787,638	0.20014	157,638
2071	3,690,501	177,864	4.7474	844,390	0.19140	161,616
2072	3,698,885	178,268	4.8723	868,574	0.18303	158,975
2073	3,532,951	170,271	5.0004	851,421	0.17503	149,024
2074	3,690,501	177,864	5.1320	912,796	0.16738	152,784
2075	4,840,501	233,288	5.2669	1,228,704	0.16007	196,679
2076	3,541,335	170,675	5.4054	922,565	0.15307	141,217
2077	14,330,325	690,650	5.5476	3,831,450	0.14638	560,848
2078	1,693,045	81,596	5.6935	464,569	0.13999	65,035
	<u>\$832,925,788</u>	<u>40,142,858</u>		<u>126,522,107</u>		<u>80,066,577</u>
	<u>\$2,694,078,818</u>	<u>\$129,841,129</u>		<u>\$413,575,169</u>		<u>\$231,197,930</u>

Levelized (beginning of year payment, mid year interest)

EXTERNAL FUND CALCULATION

Monticello

	Decommissioning						Book Expense
	Beginning Balance	Assumed Interest	Annuity Transfer	Payment	Annuity	Ending Balance	
2012	\$29,416,358	\$1,573,775	-	-	\$0	\$30,990,133	\$0
2013	30,990,133	1,665,369	-	-	276,513	32,932,014	276,513
2014	32,932,014	1,769,259	-	-	276,513	34,977,786	276,513
2015	34,977,786	1,878,708	-	-	276,513	37,133,007	276,513
2016	37,133,007	1,994,013	-	-	276,513	39,403,533	276,513
2017	39,403,533	2,115,486	-	-	276,513	41,795,531	276,513
2018	41,795,531	2,243,458	-	-	276,513	44,315,502	276,513
2019	44,315,502	2,378,276	-	-	276,513	46,970,290	276,513
2020	46,970,290	2,520,307	-	-	276,513	49,767,110	276,513
2021	49,767,110	2,669,937	-	-	276,513	52,713,560	276,513
2022	52,713,560	2,827,572	-	-	276,513	55,817,645	276,513
2023	55,817,645	2,993,641	-	-	276,513	59,087,798	276,513
2024	59,087,798	3,168,594	-	-	276,513	62,532,905	276,513
2025	62,532,905	3,352,907	-	-	276,513	66,162,325	276,513
2026	66,162,325	3,547,081	-	-	276,513	69,985,919	276,513
2027	69,985,919	3,751,643	-	-	276,513	74,014,075	276,513
2028	74,014,075	3,967,150	-	-	276,513	78,257,737	276,513
2029	78,257,737	4,194,186	-	-	276,513	82,728,436	276,513
2030	82,728,436	4,431,519	-	(\$4,442,470)	207,385	82,924,869	207,385
2031	82,924,869	3,996,979	-	(7,718,970)	-	79,202,878	-
2032	79,202,878	3,817,579	-	(14,209,272)	-	68,811,184	-
2033	68,811,184	3,316,699	-	(10,606,710)	-	61,521,173	-
2034	61,521,173	2,965,321	-	(7,874,586)	-	56,611,908	-
2035	56,611,908	2,728,694	-	(9,677,034)	-	49,663,568	-
2036	49,663,568	2,393,784	-	(1,911,041)	-	50,146,312	-
2037	50,146,312	2,417,052	-	(1,975,003)	-	50,588,361	-
2038	50,588,361	2,438,359	-	(2,046,669)	-	50,980,051	-
2039	50,980,051	2,457,238	-	(2,120,993)	-	51,316,296	-
2040	51,316,296	2,473,445	-	(2,203,974)	-	51,585,768	-
2041	51,585,768	2,486,434	-	(2,277,768)	-	51,794,434	-
2042	51,794,434	2,496,492	-	(2,360,453)	-	51,930,473	-
2043	51,930,473	2,503,049	-	(2,446,109)	-	51,987,413	-
2044	51,987,413	2,505,793	-	(2,541,889)	-	51,951,316	-
2045	51,951,316	2,504,053	-	(10,800,218)	-	43,655,151	-
2046	43,655,151	2,104,178	-	(7,294,938)	-	38,464,391	-
2047	38,464,391	1,853,984	-	(4,592,766)	-	35,725,609	-
2048	35,725,609	1,721,974	-	(4,566,336)	-	32,881,247	-
2049	32,881,247	1,584,876	-	(1,059,067)	-	33,407,056	-
2050	33,407,056	1,610,220	-	(2,673,909)	-	32,343,368	-
2051	32,343,368	1,558,950	-	(3,663,904)	-	30,238,414	-
2052	30,238,414	1,457,492	-	(2,257,866)	-	29,438,039	-
2053	29,438,039	1,418,914	-	(3,615,138)	-	27,241,815	-
2054	27,241,815	1,313,055	-	(4,740,157)	-	23,814,713	-
2055	23,814,713	1,147,869	-	(847,453)	-	24,115,129	-
2056	24,115,129	1,162,349	-	(872,119)	-	24,405,360	-
2057	24,405,360	1,176,338	-	(892,614)	-	24,689,084	-
2058	24,689,084	1,190,014	-	(916,087)	-	24,963,011	-
2059	24,963,011	1,203,217	-	(940,181)	-	25,226,047	-
2060	25,226,047	1,215,895	-	(967,542)	-	25,474,401	-
2061	25,474,401	1,227,866	-	(990,291)	-	25,711,976	-
2062	25,711,976	1,239,317	-	(1,016,333)	-	25,934,960	-
2063	25,934,960	1,250,065	-	(1,043,051)	-	26,141,975	-
2064	26,141,975	1,260,043	-	(1,073,431)	-	26,328,587	-
2065	26,328,587	1,269,038	-	(1,098,650)	-	26,498,975	-
2066	26,498,975	1,277,251	-	(1,127,531)	-	26,648,695	-
2067	26,648,695	1,284,467	-	(1,157,196)	-	26,775,965	-
2068	26,775,965	1,290,602	-	(1,190,873)	-	26,875,694	-
2069	26,875,694	1,295,408	-	(1,218,853)	-	26,952,250	-
2070	26,952,250	1,299,098	-	(1,250,925)	-	27,000,423	-
2071	27,000,423	1,301,420	-	(1,283,809)	-	27,018,035	-
2072	27,018,035	1,302,269	-	(1,321,194)	-	26,999,110	-
2073	26,999,110	1,301,357	-	(1,352,226)	-	26,948,241	-
2074	26,948,241	1,298,905	-	(1,387,813)	-	26,859,333	-
2075	26,859,333	1,294,620	-	(1,424,294)	-	26,729,659	-
2076	26,729,659	1,288,370	-	(1,466,431)	-	26,551,597	-
2077	26,551,597	1,279,787	-	(1,923,187)	-	25,908,197	-
2078	25,908,197	1,248,775	-	(2,319,618)	-	24,837,354	-
2079	24,837,354	1,197,160	-	(2,291,872)	-	23,742,643	-
2080	23,742,643	1,144,395	-	(2,357,354)	-	22,529,685	-
2081	22,529,685	1,085,931	-	(2,414,012)	-	21,201,604	-
2082	21,201,604	1,021,917	-	(2,573,437)	-	19,650,084	-
2083	19,650,084	947,134	-	(2,542,663)	-	18,054,555	-
2084	18,054,555	870,230	-	(2,615,303)	-	16,309,482	-
2085	16,309,482	786,117	-	(2,678,178)	-	14,417,421	-
2086	14,417,421	694,920	-	(2,855,043)	-	12,257,298	-
2087	12,257,298	590,802	-	(2,820,910)	-	10,027,190	-
2088	10,027,190	483,311	-	(3,719,660)	-	6,790,840	-
2089	6,790,840	327,318	-	(2,971,251)	-	4,146,908	-
2090	4,146,908	199,881	-	(2,697,929)	-	1,648,859	-
2091	1,648,859	79,475	-	(1,728,334)	-	(0)	-

External Levelized

Levelized (beginning of year payment, mid year interest)

EXTERNAL FUND CALCULATION

Prairie Island Unit 1

	Beginning Balance	Assumed Interest	Annuity Transfer	Decommissioning		Annuity	Ending Balance	Book Expense
				Payment				
2012	\$20,616,918	\$1,133,931	-	-	\$0	\$21,750,849	\$0	
2013	21,750,849	1,196,297	-	-	-	22,947,145	-	
2014	22,947,145	1,262,093	-	-	-	24,209,238	-	
2015	24,209,238	1,331,508	-	-	-	25,540,747	-	
2016	25,540,747	1,404,741	-	-	-	26,945,488	-	
2017	26,945,488	1,482,002	-	-	-	28,427,489	-	
2018	28,427,489	1,563,512	-	-	-	29,991,001	-	
2019	29,991,001	1,649,505	-	-	-	31,640,506	-	
2020	31,640,506	1,740,228	-	-	-	33,380,734	-	
2021	33,380,734	1,835,940	-	-	-	35,216,675	-	
2022	35,216,675	1,936,917	-	-	-	37,153,592	-	
2023	37,153,592	2,043,448	-	-	-	39,197,039	-	
2024	39,197,039	2,155,837	-	-	-	41,352,876	-	
2025	41,352,876	2,274,408	-	-	-	43,627,285	-	
2026	43,627,285	2,399,501	-	-	-	46,026,785	-	
2027	46,026,785	2,531,473	-	-	-	48,558,258	-	
2028	48,558,258	2,670,704	-	-	-	51,228,963	-	
2029	51,228,963	2,817,593	-	-	-	54,046,556	-	
2030	54,046,556	2,972,561	-	-	-	57,019,116	-	
2031	57,019,116	3,136,051	-	-	-	60,155,168	-	
2032	60,155,168	3,308,534	-	-	-	63,463,702	-	
2033	63,463,702	3,490,504	-	(\$2,284,663)	-	64,669,542	-	
2034	64,669,542	3,013,601	-	(7,468,889)	-	60,214,254	-	
2035	60,214,254	2,805,984	-	(14,597,016)	-	48,423,222	-	
2036	48,423,222	2,256,522	-	(10,287,241)	-	40,392,503	-	
2037	40,392,503	1,882,291	-	(6,830,692)	-	35,444,102	-	
2038	35,444,102	1,651,695	-	(801,262)	-	36,294,535	-	
2039	36,294,535	1,691,325	-	(1,669,680)	-	36,316,180	-	
2040	36,316,180	1,692,334	-	(862,855)	-	37,145,659	-	
2041	37,145,659	1,730,988	-	(2,694,455)	-	36,182,191	-	
2042	36,182,191	1,686,090	-	(924,107)	-	36,944,174	-	
2043	36,944,174	1,721,599	-	(2,893,593)	-	35,772,180	-	
2044	35,772,180	1,666,984	-	(995,148)	-	36,444,015	-	
2045	36,444,015	1,698,291	-	(3,107,522)	-	35,034,785	-	
2046	35,034,785	1,632,621	-	(1,065,769)	-	35,601,636	-	
2047	35,601,636	1,659,036	-	(3,337,260)	-	33,923,412	-	
2048	33,923,412	1,580,831	-	(1,147,691)	-	34,356,552	-	
2049	34,356,552	1,601,015	-	(5,694,175)	-	30,263,392	-	
2050	30,263,392	1,410,274	-	(5,574,613)	-	26,099,054	-	
2051	26,099,054	1,216,216	-	(3,891,338)	-	23,423,932	-	
2052	23,423,932	1,091,555	-	(3,942,287)	-	20,573,200	-	
2053	20,573,200	958,711	-	(2,340,563)	-	19,191,348	-	
2054	19,191,348	894,317	-	(566,292)	-	19,519,372	-	
2055	19,519,372	909,603	-	(533,594)	-	19,895,381	-	
2056	19,895,381	927,125	-	(622,187)	-	20,200,319	-	
2057	20,200,319	941,335	-	(562,029)	-	20,579,624	-	
2058	20,579,624	959,011	-	(551,086)	-	20,987,549	-	
2059	20,987,549	978,020	-	(618,379)	-	21,347,190	-	
2060	21,347,190	994,779	-	(608,984)	-	21,732,985	-	
2061	21,732,985	1,012,757	-	(651,337)	-	22,094,405	-	
2062	22,094,405	1,029,599	-	(668,465)	-	22,455,539	-	
2063	22,455,539	1,046,428	-	(686,038)	-	22,815,929	-	
2064	22,815,929	1,063,222	-	(675,633)	-	23,203,519	-	
2065	23,203,519	1,081,284	-	(722,607)	-	23,562,196	-	
2066	23,562,196	1,097,998	-	(741,603)	-	23,918,592	-	
2067	23,918,592	1,114,606	-	(728,622)	-	24,304,576	-	
2068	24,304,576	1,132,593	-	(782,899)	-	24,654,271	-	
2069	24,654,271	1,148,889	-	(801,667)	-	25,001,493	-	
2070	25,001,493	1,165,070	-	(787,638)	-	25,378,925	-	
2071	25,378,925	1,182,658	-	(844,390)	-	25,717,192	-	
2072	25,717,192	1,198,421	-	(868,574)	-	26,047,039	-	
2073	26,047,039	1,213,792	-	(851,421)	-	26,409,410	-	
2074	26,409,410	1,230,679	-	(912,796)	-	26,727,293	-	
2075	26,727,293	1,245,492	-	(1,228,704)	-	26,744,080	-	
2076	26,744,080	1,246,274	-	(922,565)	-	27,067,789	-	
2077	27,067,789	1,261,359	-	(4,215,276)	-	24,113,872	-	
2078	24,113,872	1,123,706	-	(464,569)	-	24,773,010	-	

External Levelized

Levelized (beginning of year payment, mid year interest)

EXTERNAL FUND CALCULATION

Prairie Island Unit 2

	Beginning Balance	Assumed Interest	Annuity Transfer	Decommissioning		Annuity	Ending Balance	Book Expense
				Payment				
2012	23,216,917	1,283,896	-	-	-	-	24,500,813	-
2013	24,500,813	1,354,895	-	-	-	-	25,855,708	-
2014	25,855,708	1,429,821	-	-	-	-	27,285,529	-
2015	27,285,529	1,508,890	-	-	-	-	28,794,418	-
2016	28,794,418	1,592,331	-	-	-	-	30,386,750	-
2017	30,386,750	1,680,387	-	-	-	-	32,067,137	-
2018	32,067,137	1,773,313	-	-	-	-	33,840,450	-
2019	33,840,450	1,871,377	-	-	-	-	35,711,827	-
2020	35,711,827	1,974,864	-	-	-	-	37,686,691	-
2021	37,686,691	2,084,074	-	-	-	-	39,770,765	-
2022	39,770,765	2,199,323	-	-	-	-	41,970,088	-
2023	41,970,088	2,320,946	-	-	-	-	44,291,034	-
2024	44,291,034	2,449,294	-	-	-	-	46,740,328	-
2025	46,740,328	2,584,740	-	-	-	-	49,325,068	-
2026	49,325,068	2,727,676	-	-	-	-	52,052,744	-
2027	52,052,744	2,878,517	-	-	-	-	54,931,261	-
2028	54,931,261	3,037,699	-	-	-	-	57,968,960	-
2029	57,968,960	3,205,683	-	-	-	-	61,174,643	-
2030	61,174,643	3,382,958	-	-	-	-	64,557,601	-
2031	64,557,601	3,570,035	-	-	-	-	68,127,636	-
2032	68,127,636	3,767,458	-	-	-	-	71,895,095	-
2033	71,895,095	3,975,799	-	-	-	-	75,870,893	-
2034	75,870,893	4,195,660	-	(963,608)	-	-	79,102,945	-
2035	79,102,945	3,615,005	-	(8,564,609)	-	-	74,153,341	-
2036	74,153,341	3,388,808	-	(12,645,249)	-	-	64,896,900	-
2037	64,896,900	2,965,788	-	(13,950,797)	-	-	53,911,891	-
2038	53,911,891	2,463,773	-	(9,825,145)	-	-	46,550,520	-
2039	46,550,520	2,127,359	-	(3,903,180)	-	-	44,774,698	-
2040	44,774,698	2,046,204	-	(1,954,926)	-	-	44,865,975	-
2041	44,865,975	2,050,375	-	(3,823,081)	-	-	43,093,269	-
2042	43,093,269	1,969,362	-	(2,093,703)	-	-	42,968,929	-
2043	42,968,929	1,963,680	-	(4,105,631)	-	-	40,826,978	-
2044	40,826,978	1,865,793	-	(2,254,658)	-	-	40,438,113	-
2045	40,438,113	1,848,022	-	(4,409,169)	-	-	37,876,966	-
2046	37,876,966	1,730,977	-	(2,414,660)	-	-	37,193,284	-
2047	37,193,284	1,699,733	-	(4,735,137)	-	-	34,157,880	-
2048	34,157,880	1,561,015	-	(2,600,266)	-	-	33,118,629	-
2049	33,118,629	1,513,521	-	(7,168,999)	-	-	27,463,151	-
2050	27,463,151	1,255,066	-	(7,028,608)	-	-	21,689,609	-
2051	21,689,609	991,215	-	(5,076,751)	-	-	17,604,073	-
2052	17,604,073	804,506	-	(4,942,655)	-	-	13,465,924	-
2053	13,465,924	615,393	-	(2,827,746)	-	-	11,253,571	-
2054	11,253,571	514,288	-	(566,292)	-	-	11,201,566	-
2055	11,201,566	511,912	-	(533,594)	-	-	11,179,884	-
2056	11,179,884	510,921	-	(622,187)	-	-	11,068,618	-
2057	11,068,618	505,836	-	(562,029)	-	-	11,012,425	-
2058	11,012,425	503,268	-	(551,086)	-	-	10,964,606	-
2059	10,964,606	501,083	-	(618,379)	-	-	10,847,310	-
2060	10,847,310	495,722	-	(608,984)	-	-	10,734,048	-
2061	10,734,048	490,546	-	(651,337)	-	-	10,573,257	-
2062	10,573,257	483,198	-	(668,465)	-	-	10,387,990	-
2063	10,387,990	474,731	-	(686,038)	-	-	10,176,683	-
2064	10,176,683	465,074	-	(675,633)	-	-	9,966,125	-
2065	9,966,125	455,452	-	(722,607)	-	-	9,698,970	-
2066	9,698,970	443,243	-	(741,603)	-	-	9,400,610	-
2067	9,400,610	429,608	-	(728,622)	-	-	9,101,596	-
2068	9,101,596	415,943	-	(782,899)	-	-	8,734,641	-
2069	8,734,641	399,173	-	(801,667)	-	-	8,332,146	-
2070	8,332,146	380,779	-	(787,638)	-	-	7,925,288	-
2071	7,925,288	362,186	-	(844,390)	-	-	7,443,083	-
2072	7,443,083	340,149	-	(868,574)	-	-	6,914,658	-
2073	6,914,658	316,000	-	(851,421)	-	-	6,379,237	-
2074	6,379,237	291,531	-	(912,796)	-	-	5,757,972	-
2075	5,757,972	263,139	-	(1,228,704)	-	-	4,792,407	-
2076	4,792,407	219,013	-	(922,565)	-	-	4,088,855	-
2077	4,088,855	186,861	-	(3,831,450)	-	-	444,266	-
2078	444,266	20,303	-	(464,569)	-	-	0	-

External Levelized

## **I. Background**

The Company is proposing a variety of changes to electric production plants in this case. The changes we are recommending include remaining life changes for the Red Wing and Wilmarth steam production plants and for the Inver Hills and Riverside other production plants. Further, we are recommending changes in the net salvage percentages for the steam and other production Black Dog Units. Finally, we are recommending a rebalancing of steam production reserves in order to fully reserve the Minnesota Valley plant. A summary showing the estimated impact on depreciation of all these changes in 2013 is provided in Exhibit\_\_\_\_(LHP-1), Schedule 4.

## **II. Remaining Life Changes**

### **A. Red Wing and Wilmarth Steam Production Plants**

Our Red Wing Steam Plant is located in Red Wing, Minnesota and is a two-unit generating plant that burns processed municipal solid waste called refuse-derived fuel (RDF). The power production capability of both units together is 20 megawatts (MW). Both units were originally placed in-service in 1949 and converted to burn RDF in 1986.

The Wilmarth Steam Plant is located in Mankato, Minnesota. The Wilmarth plant is a two-unit generating plant that burns RDF. The power production capability of both units together is 20 MW. The units were placed in service originally in 1948 and each was converted to burn RDF in 1987.

As a standard we have tried to link the remaining lives for both the Red Wing and Wilmarth production plants directly with the remaining term of the Company's contract with Resource Recovery Technologies (RRT), the provider of refuse for the plant's fuel. Recently the contract between NSPM and RRT was extended an additional five years. The contract is now set to expire at the end of 2017. The Company intends to use both plants during the period of the RRT contract, and we believe those continued operations will be possible with minimum capital expenditure.

The remaining life for both Red Wing and Wilmarth is currently set to expire at the end of 2012. With the extended fuel contract and the Company's

continued commitment to operating the plants, we are recommending an extension of 5 years to the remaining life for both plants. This would extend the end of life for both plants until the end of 2017. The impact of this change on depreciation in 2013 is a decrease of \$3.76 million for Red Wing and \$2.64 million for Wilmarth. These numbers are for total Company adjustments. See Exhibit\_\_\_\_(LHP-1), Schedule 4, page 2 of 4.

**B. Inver Hills other production plant**

The Inver Hills plant is located in Inver Grove Heights, Minnesota, and has six units that generate a total of 360 MW of electricity using natural gas and oil as fuel. The plant became operational in 1972.

The Company recently completed major improvements at the plant. These improvements included replacing the turbine wheels on all six units along with other maintenance on the generators and other plant assets. These projects were specifically undertaken in order to significantly extend the operable life of the plant.

The remaining life as of January 1, 2013 will be four years, extending through the end of 2016. Due to the significant amount of work completed at the plant, operations can continue well past this date. The Company is proposing a remaining life extension of 10 years for the plant, which would extend its remaining life through the end of 2026. The total Company impact of this change on depreciation in 2013 is a decrease of \$2.05 million. Exhibit\_\_\_\_(LHP-1), Schedule 4, page 3 of 4.

**C. Riverside other production plant**

The Riverside plant is located in northeast Minneapolis, Minnesota. The plant was repowered in 2009 by converting the old coal-fired plant to a natural gas combined cycle power plant. Riverside was the third plant to be repowered under MERP, and includes a natural gas fired combined-cycle arrangement with two new combustion turbines, corresponding heat recovery steam system generators, and a repowered steam turbine.

Generally, the Company reviews the remaining life of a generating plant based on existing investments; and proposes life extensions as the time approaches to

make the additional investments that will support continued operation beyond the current remaining life. However, for the Riverside Plants, based on industry standards, it can be expected that, with additional investment, these two plants will continue operations for at least 40 years. In addition, it can also be expected that, when needed, the Company will make the additional investment. These two reasonable assumptions support lengthening the remaining lives of the plants by 10 years, which would bring the whole life of the plant to 40 years.

The US Energy Information Administration published in Today in Energy on June 16, 2011, charts presenting data on the age and capacity of existing electric generators by fuel type as of the end of 2010. This information shows that across the industry a significant number of existing gas generation facilities between 30 and 50 years old continued to be in operation at the end of 2010. Therefore, we believe that, with additional investment as required, the relatively newer Riverside Plant should be able to operate as long as the 30 to 50 year old gas plants in operation today.

The remaining life as of January 1, 2013 will be 26.2 years, extending through March of 2039. The proposed remaining life extension of 10 years for the Riverside plant would extend its remaining life through March 2049. The total Company impact of this change on depreciation in 2013 is a decrease of \$2.75 million. Exhibit\_\_\_\_(LHP-1), Schedule 4, page 3 of 4.

### **III. Net Salvage Percentages**

#### **A. Black Dog steam and other production units**

In our 2010 Minnesota Resource Plan update, the Company discussed the future plan for Black Dog operations. This plan calls for Units 3 and 4 to cease using coal as fuel in 2014, but to continue providing electric production using natural gas as needed until 2015. This remaining life was approved in our last North Dakota rate case and was unchanged in our 2012 Minnesota Remaining Lives filing.

Since our 2012 Minnesota Remaining Lives filing, the Company has continued to review the overall estimate for removal for these two units. Although the remaining life is still appropriate for these two units, the net salvage percent

does not reflect the cost of remediation of the coal pile and ash ponds located under the coal pile. We propose an increase in the net salvage percent to begin recovering those costs.

As of the beginning of 2013, the approved remaining life for Black Dog Units 3 and 4 is set to three years, with an approved net salvage rate of negative 18 percent, which would complete the accumulation of \$26.1 million for estimated final removal on these units. This is based on our 2010 Minnesota Remaining Lives filing, in which we presented an updated removal cost study for the electric steam and other production units, and is where the currently used net salvage rate was calculated.

In the 2010 removal cost study we did not include the cost to remove the coal pile and the ash ponds beneath the coal pile in its cost estimate because, at that time, there was no need to do so. Since the 2010 removal cost study was completed, the Company entered into a Voluntary Investigation and Compliance program with the State of Minnesota to remediate this land. This program requires the Company to fully remediate the land where the coal pile and ash ponds are located. Remediation is beneficial because the Company will be able to use the land for future operations as we continue to determine how best to refresh our system generation.

Capital Asset Accounting reviewed the circumstances with various Energy Supply experts familiar with Black Dog to determine whether the current dismantling cost estimate was still viable. We concluded that the amount provided in the dismantling study is not sufficient and that the allocation of the original cost estimate between steam and other production favored other production too much. While detailed estimates for final removal will not be available until our next removal cost study is completed in 2015, we estimate the inclusion of the remediation of the coal pile and the ash ponds will increase the removal cost of the last two coal units by \$33.2 million after adjusting for a more reasonable split between the two productions. Information on this estimate is provided in Exhibit\_\_\_\_(LHP-1), Schedule 5, page 2.

To account for the increased removal costs, the Company proposes that the net salvage percentage for the Black Dog steam production units be changed from a negative 18 percent to a negative 46 percent. This change in net salvage percent results in a total Company increase in depreciation of \$7.8 million.

Further we are proposing that the net salvage percentage for the Black Dog other production unit be changes from a negative 8.3 percent to a negative 2.5 percent. This change results in a total Company decrease in depreciation of \$419 thousand.

#### **IV. Steam Production Reserve Rebalancing**

Currently, the Company is collecting cost of removal for the Minnesota Valley facility despite the fact that the plant is no longer in operation. This was accomplished due to the extremely large cost of removal estimated at the time the plant stopped production. In 2005, the plant was given a 12.5 year remaining life to spread the cost of removal.

In order to eliminate the collection of costs on a plant which is no longer in operation, we are proposing a rebalancing of the depreciation reserve from the Company's operating steam units to the Minnesota Valley facility at the end of 2012. The rebalancing is provided in Exhibit\_\_\_\_(LHP-1), Schedule 4, page 4 of 4. As a result, Minnesota Valley will be fully depreciated starting in 2013, including all its remaining expected removal costs, currently estimated to be \$21 million. Full depreciation at the end of 2012 eliminates the depreciation expense for this plant from the revenue requirement in 2013, which was expected to be approximately \$1.56 million, but it continues to provide a negative rate base until all removal is complete. Removing reserve from the other steam units in order to fully reserve Minnesota Valley does result in an increase in depreciation in the other steam units due to those units now having a higher net plant balance. The resulting increase in depreciation in 2013 is approximately \$390 thousand. The net impact on depreciation in 2013 of this rebalancing is a decrease of \$1.18 million.

#### **V. Conclusion**

The Company recommended changes in remaining lives, which includes changes for the Red Wing and Wilmarth steam production plants and the Inver Hills and Riverside other production plants, result in an estimated overall total Company decrease in depreciation of \$11.20 million in 2013. The recommended changes in net salvage rates for the Black Dog steam and other production plant results in an overall total Company estimated increase in depreciation of \$7.41 million in 2013. The impact of rebalancing the

depreciation reserves for steam production plants would result in an overall estimated decrease in depreciation of \$1.18 million. When all of these impacts are taken into account, the 2013 impact on depreciation is a decrease of \$4.97 million.

Comparison of Present and Proposed Lives

	Average	Reserve				Proposed			Proposed
	Plant	Balance	Rem. Life	Net Salv %	Depreciation Expense	Rem. Life	Net Salv %	Depreciation Expense	Less Present Expense
	2013	2013	(Yrs)	%	Expense	(Yrs)	%	Expense	Expense
	(1)	(2)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
Total Steam Production	\$ 2,216,046,030	\$ 1,262,062,230	17.4	-7.2	\$ 63,968,725	17.7	-9.1	\$ 64,216,879	\$ 248,154
Total Other Production	2,138,168,973	358,269,285	28.8	-6.6	66,697,696	31.1	-6.2	61,480,965	(5,216,731)
Total Company	\$ 4,354,215,003	\$ 1,620,331,516			\$ 130,666,421			\$ 125,697,844	\$ (4,968,577)
<b>Total Change to Depreciation Expense</b>									<b>\$ (4,968,577)</b>

Electric Steam Production

	Average Plant Balance 2013 (1)	Reserve Balance 1/1/2013 (2)	Reallocated Reserve Balance 1/1/2013 (3)				Proposed			Proposed Less Present Expense (10)	
				Rem. Life (Yrs) (4)	Net Salv % (5)	Depreciation Expense (6)	Rem. Life (Yrs) (7)	Net Salv % (8)	Unallocated Reserve Depreciation Expense (9)		
Steam Production											
Black Dog Units 3&4	\$ 145,442,304	\$ 137,765,448	\$ 137,370,797	3.0	-18.0	\$ 7,987,418	3.0	-45.9	\$ 15,810,386	\$ 15,913,338	7,925,920
Allen S. King	656,321,606	180,967,708	177,762,922	24.5	-5.5	20,906,073	24.5	-5.5	20,906,073	21,036,437	130,364
Minnesota Valley	13,611,626	20,441,926	27,481,873	4.5	-101.9	1,564,848	4.5	-101.9	1,564,848	-	(1,564,848)
Red Wing	54,082,114	64,615,957	64,615,957	-	-23.3	4,296,283	5.0	-23.3	538,115	538,115	(3,758,168)
Sherco Unit 1 & 2	592,801,584	369,008,623	367,413,607	22.0	-5.1	11,473,509	22.0	-5.1	11,473,509	11,546,010	72,501
Sherco Unit 3	705,939,319	431,715,933	429,870,439	22.0	-4.3	14,584,068	22.0	-4.3	14,584,068	14,667,954	83,886
Wilmarth	47,847,478	57,546,635	57,546,635	-	-23.0	3,156,526	5.0	-23.0	515,025	515,025	(2,641,501)
Total Steam Production	\$ 2,216,046,030	\$ 1,262,062,230	\$ 1,262,062,230	17.4	-7.2	\$ 63,968,725	17.7	-9.1	\$ 65,392,024	\$ 64,216,879	248,154

**Electric Other Production**

	Average	Reserve				Proposed			Proposed
	Plant		Balance	Rem.	Net	Depreciation	Rem.	Net	
	Balance	2013	Life	Salv	Expense	Life	Salv	Expense	Less
	2013		(Yrs)	%		(Yrs)	%		Present
	(1)	(2)	(4)	(5)	(6)	(7)	(8)	(9)	Expense
									(10)
Other Production									
Angus C. Anson	\$ 119,229,795.64	\$ 54,524,085.85	26.0	-4.4	\$ 2,693,562.00	26.0	-4.4	\$ 2,693,562.00	-
Black Dog Unit 5	137,820,760	29,206,415	19.0	-8.3	6,313,709	19.0	-2.5	5,894,874	(418,835)
Blue Lake	93,734,921	43,690,735	26.0	-6.9	2,175,775	26.0	-6.9	2,175,775	-
Grand Meadow Wind Project	208,217,471	37,404,594	20.9	-8.7	9,011,480	20.9	-8.7	9,011,480	-
Granite City	8,544,417	10,679,444	1.0	-38.8	1,180,207	1.0	-38.8	1,180,207	-
High Bridge	381,605,673	19,580,911	40.4	-3.1	9,247,901	40.4	-3.1	9,247,901	-
Inver Hills	56,781,869	51,504,458	4.0	-11.0	2,872,691	14.0	-11.0	820,548	(2,052,143)
Key City	8,611,429	10,923,003	2.0	-38.6	504,040	2.0	-38.6	504,040	-
Nobles Wind Project	517,004,126	45,259,991	23.0	-8.7	22,451,521	23.0	-8.7	22,451,521	-
Riverside	602,423,183	54,593,316	26.2	-5.0	9,952,727	36.2	-5.0	7,206,974	(2,745,753)
Wind2Battery	4,195,329	902,332	11.0	0.0	294,083	11.0	0.0	294,083	-
Total/Composite	\$ 2,138,168,973	\$ 358,269,285	28.8	-6.6	\$ 66,697,696	31.1	-6.2	\$ 61,480,965	(5,216,731)

**Depreciation Reserve Reallocation - Electric Steam Production**

Account	Plant Balance	COR %	Gross Depreciable		Net Depreciable		Reserve
			Plant	Reserve Balance	Plant	Reallocation	
Steam Black Dog #2	\$ 29,387,495	36.5085	\$ 40,116,429	\$ 29,941,647	\$ 10,174,782	\$ (66,455.20)	
Steam Black Dog (1,3,4)	115,797,152	36.5085	158,072,956	107,823,801	50,249,155	(328,195.49)	
Steam King	636,629,491	5.5000	671,644,113	180,967,708	490,676,406	(3,204,785.91)	
Steam Minnesota Valley	13,611,626	101.9000	27,481,873	20,441,926	7,039,946	7,039,946.29	
Steam Red Wing	52,008,578	23.3000	64,126,576	64,126,576	(0)	0.00	
Steam Red Wing RDF	396,903	23.3000	489,381	489,381	0	(0.00)	
Steam Sherburne County 1&2	583,460,897	5.1000	613,217,403	369,008,623	244,208,780	(1,595,016.28)	
Steam Sherburne County 3	684,827,048	4.3000	714,274,611	431,715,933	282,558,678	(1,845,493.41)	
Steam Wilmarth	46,406,928	23.0000	57,080,521	57,080,521	0	(0.00)	
Steam Wilmarth RDF	378,954	23.0000	466,114	466,114	0	(0.00)	
	\$ 2,162,905,073		\$ 2,346,969,977	\$ 1,262,062,230	\$ 1,084,907,747	\$ 0.00	



Northern States Power Company  
Electric Utility - State of North Dakota  
Comparison of Present to Proposed Net Salvage Rates - 2012 Dismantlement Estimate  
Electric Steam and Other Production

FERC Account	Plant Balance 12/31/11	Present		Proposed		Proposed Less Present
		Net Salv %	Estimated Net Salvage in Reserve at End-of Life	Net Salv %	Estimated Net Salvage in Reserve at End-of Life	
	(1)	(2)	(3)	(4)	(5)	(6)
<b>Black Dog Units 3, &amp; 4</b>						
E311	31,803,989	-23.0%	7,327,483	-45.9%	14,609,913	7,282,430
E312	55,815,134	-23.0%	12,859,533	-45.9%	25,639,998	12,780,465
E314	39,361,579	-23.0%	9,068,715	-45.9%	18,081,670	9,012,955
E315	14,857,379	-23.0%	3,423,067	-45.9%	6,825,088	3,402,020
E316	3,153,700	-23.0%	726,597	-45.9%	1,448,726	722,129
	144,991,781		33,405,394		66,605,394	33,200,000
From 2009 Dismantling Study after Allocation to Black Dog Units 3, & 4				-45.9%	66,605,394	
Proposed based on 100% for Remaining Life < 10 years				-45.9%		
<b>Black Dog Unit 5</b>						
E341	15,361,662	-2.5%	387,459	-2.5%	387,459	-
E342	3,072,449	-2.5%	77,495	-2.5%	77,495	-
E344	86,352,354	-2.5%	2,178,019	-2.5%	2,178,019	-
E345	9,091,402	-2.5%	229,308	-2.5%	229,308	-
E346	1,341,193	-2.5%	33,828	-2.5%	33,828	-
	115,219,059		2,906,108		2,906,108	-
From 2009 TLG Dismantling Study for Black Dog Unit 5				-3.4%	3,874,811	
Proposed based on 75% for Remaining Life > 10 years but < 20 years				-2.5%		

**Electric and Common Utility Summary**

	Average Plant Balance 2013 <u>(1)</u>	Present		Proposed		Proposed Less Present Expense <u>(6)</u>
		Depr Rate % <u>(2)</u>	Depreciation Expense <u>(3)</u>	Depr Rate % <u>(4)</u>	Depreciation Expense <u>(5)</u>	
Total Electric Transmission	\$ 2,134,826,105	2.1677	\$ 44,593,772	1.8339	\$ 37,641,029	\$ (6,952,744)
Total Electric Distribution	137,760,028	2.1108	2,913,548	3.1881	4,397,694	1,484,146
Total Electric General	322,467,621	7.6133	21,461,480	6.8569	19,358,755	(2,102,725)
Total Electric Software	30,758,862	20.0000	5,326,730	18.9911	5,054,122	(272,608)
Total Common General	253,097,798	9.7153	19,002,646	9.9783	19,421,600	418,953
Total Common Software	103,892,949	19.2995	22,583,670	19.9616	23,253,714	670,045
Total Company	<u>\$ 2,982,803,362</u>		<u>\$ 115,881,846</u>		<u>\$ 109,126,914</u>	<u>\$ (6,754,932)</u>
<b>Total Change to Depreciation Expense</b>						<b>\$ (6,754,932)</b>

	Average	Present		Proposed		Proposed
	Plant	Depr	Depreciation	Depr	Depreciation	Less
	Balance	Rate	Expense	Rate	Expense	Present
2013	%		%		Expense	
	(1)	(2)	(3)	(4)	(5)	(6)
Electric Transmission						
Lines	\$ 1,141,580,536	2.0243	\$ 21,835,555	1.9130	\$ 20,635,238	(1,200,317)
Lines - Prod	1,772,290	2.0931	37,096	1.9761	35,022	(2,074)
Plant Leased to Other	821,298	2.1298	17,492	2.1298	17,492	-
Substations	919,805,892	2.3376	21,092,127	1.7464	15,757,536	(5,334,590)
Substations - Prod	70,846,089	2.2746	1,611,503	1.6878	1,195,740	(415,762)
Total Electric Transmission	\$ 2,134,826,105	2.1677	\$ 44,593,772	1.8339	\$ 37,641,029	(6,952,744)

	Average Plant Balance 2013	Present		Proposed		Proposed Less Present Expense
		Depr Rate %	Depreciation Expense	Depr Rate %	Depreciation Expense	
	(1)	(2)	(3)	(4)	(5)	(6)
Electric Distribution						
Lines	\$ 83,877,883	1.8694	\$ 1,566,437	2.8237	\$ 2,366,072	799,635
Other	32,819,796	2.7125	890,247	4.5665	1,498,716	608,469
Substations	19,141,259	2.0355	396,996	2.2626	441,299	44,303
Street Lighting	1,921,091	3.1204	59,868	4.7747	91,608	31,740
Total Electric Distribution	\$ 137,760,028	2.1108	\$ 2,913,548	3.1881	\$ 4,397,694	1,484,146

	Average	Present		Proposed		Proposed
	Plant	Depr	Depreciation	Depr	Depreciation	Less
	Balance	Rate	Expense	Rate	Expense	Present
	2013	%		%		Expense
	(1)	(2)	(3)	(4)	(5)	(6)
Electric General						
Buildings	\$ 61,818,842	2.2224	\$ 1,373,862	1.9688	\$ 1,217,089	(156,773)
Communication Equipment	20,815,548	11.1110	2,255,572	10.7571	2,183,733	(71,839)
Communication Equipment - EMS	9,877,905	11.1110	836,627	6.4851	502,797	(333,830)
Communication Equipment-PBX-AMR	5,464,167	6.7081	116,143	6.7081	116,143	-
Furniture & Equipment	24,723,208	5.5556	1,350,514	4.8295	1,174,076	(176,437)
Network Equipment	13,352,265	25.0000	1,212,273	23.2815	1,160,965	(51,307)
Tools & Other Equipment	72,014,354	6.8273	4,708,257	6.5883	4,546,865	(161,392)
Transportation Equipment	114,401,331	8.5414	9,608,233	7.5181	8,457,085	(1,151,147)
Total Electric General	\$ 322,467,621	7.6133	\$ 21,461,480	6.8569	\$ 19,358,755	(2,102,725)

	Average	Present		Proposed		Proposed
	Plant Balance 2013	Depr Rate %	Depreciation Expense	Depr Rate %	Depreciation Expense	Less Present Expense
	(1)	(2)	(3)	(4)	(5)	(6)
Electric Software						
Software	\$ 30,758,862	20.0000	\$ 5,326,730	18.9911	\$ 5,054,122	(272,608)
Total Electric Software	<u>\$ 30,758,862</u>	<u>20.0000</u>	<u>\$ 5,326,730</u>	<u>18.9911</u>	<u>\$ 5,054,122</u>	<u>(272,608)</u>

	Average	Present		Proposed		Proposed
	Plant	Depr		Depr		Less
	Balance	Rate	Depreciation	Rate	Depreciation	Present
	2013	%	Expense	%	Expense	Expense
	(1)	(2)	(3)	(4)	(5)	(6)
Common General						
Building	\$ 125,869,948	2.2637	\$ 2,841,337	2.2296	\$ 2,798,548	(42,789)
Building-Leased	1,163,412	0.0000	-	10.7324	124,862	124,862
Communication Equipment	1,604,657	11.1110	161,256	11.9005	172,715	11,458
Communication Equipment-PBX	3,926,377	11.1110	406,879	12.0571	406,879	-
Furniture & Equipment	32,526,756	5.5556	1,553,606	5.3182	1,499,181	(54,425)
Network Equipment	71,956,280	25.0000	12,811,386	25.9653	13,261,139	449,753
Tools & Other Equipment	4,223,482	6.6613	240,134	6.9361	249,575	9,442
Transportation Equipment	11,826,886	8.8606	988,049	8.0559	908,701	(79,348)
Total Common General	\$ 253,097,798	9.7153	\$ 19,002,646	9.9783	\$ 19,421,600	418,953

	Average Plant Balance 2013 <u>(1)</u>	Present		Proposed		Proposed Less Present Expense <u>(6)</u>
		Depr Rate % <u>(2)</u>	Depreciation Expense <u>(3)</u>	Depr Rate % <u>(4)</u>	Depreciation Expense <u>(5)</u>	
Common Software						
Software	\$ 103,892,949	19.2995	\$ 22,583,670	19.9616	\$ 23,253,714	670,045
Total Common Software	<u>\$ 103,892,949</u>	<u>19.2995</u>	<u>\$ 22,583,670</u>	<u>19.9616</u>	<u>\$ 23,253,714</u>	<u>670,045</u>

**NORTHERN STATES POWER COMPANY**  
**A MINNESOTA CORPORATION**  
**NORTH DAKOTA ASSETS**  
**TRANSMISSION, DISTRIBUTION AND GENERAL**  
**ELECTRIC, GAS AND COMMON**  
**DEPRECIATION RATE STUDY**  
**July 2012**



**NORTHERN STATES POWER COMPANY  
A MINNESOTA CORPORATION  
NORTH DAKOTA ASSETS  
TRANSMISSION, DISTRIBUTION AND GENERAL  
ELECTRIC, GAS AND COMMON  
DEPRECIATION RATE STUDY  
EXECUTIVE SUMMARY**

Northern States Power Company, a Minnesota corporation (“NSP” or “Company”), engaged Alliance Consulting Group to conduct a depreciation study of the Company’s North Dakota Electric, Gas, and Common transmission, distribution, and general utility plant depreciable assets as of January 1, 2012. This analysis recommends a number of changes in the lives of various types of assets, by account number under the FERC Uniform System of Accounts. The changes in lives discussed in this Executive Summary are discussed in more detail in the study.

For Electric Transmission, Distribution and General Plant depreciable accounts, the lives of all but one account moved longer. There are 17 accounts, 16 that have increasing lives and one account that was unchanged. The account with the greatest change in life is account 352 Transmission Structures and Improvements which moved 23 years longer in life. There is also a trend toward higher negative net salvage with 10 accounts increasing (i.e. more negative) their negative net salvage, two accounts decreasing (i.e. less negative) their negative net salvage, and the remaining 5 accounts remaining unchanged. The account with the largest increase in negative net salvage is Account 369 Distribution Services – Overhead, where the net salvage moved from negative 35 percent to a negative 70 percent, which equates to a change of 35 percent.

For Electric Amortized Plant, there are 20 accounts including 1 intangible account, 15 general plant accounts, and 4 distribution accounts. Most amortization periods are remaining the same, with amortization lives increasing for Account 391 General Office Furniture & Equipment, Account 392 General Transportation

Equipment (various subaccounts), and Account 396 General Power Operated Equipment. Net salvage became negative for two accounts: Account 368 Distribution Line Transformers and Account 368 Distribution Line Capacitors. For Accounts 392 and 396, net salvage became zero percent.

For Gas Transmission, Distribution and General Plant depreciable accounts, the lives of all but one account moved longer. There are 11 accounts, 7 that have increasing lives, 1 account has a shorter life, and 3 accounts that were unchanged. The account with the greatest change in life is account 367 Transmission Mains which moved 30 years longer in life. There are changes in net salvage with 4 accounts increasing (i.e. more negative) their negative net salvage, 3 accounts decreasing (i.e. less negative) their negative net salvage, and the remaining 4 accounts remaining unchanged. The account with the greatest change in net salvage is Account 379 Distribution Measure & Regulating Station Equipment where the net salvage moved from negative 25 percent to a negative 2 percent, which equates to a change of 23 percent.

For Gas Amortized Plant, there are 18 accounts including 1 intangible account, 14 general plant accounts, and 3 distribution accounts. Most amortization periods remain the same, with amortization periods increasing for Account 391 General Office Furniture and Equipment, Account 392 (all subaccounts), and Account 396 General Power Operated Equipment. Net salvage became less negative for one account: Account 381 Distribution Meters. For Accounts 392 (all subaccounts), 396 and 383, net salvage became zero percent.

For Common Plant, there are 19 accounts including 2 depreciable accounts and 17 amortized accounts of which there are 4 intangible accounts and 13 general plant accounts. The life for Account 390 became longer and amortized accounts reflected the same changes in life and net salvage as used for gas and electric amortized plant. Amortization rates were updated to reflect any imbalance between book and theoretical reserves.

For life and net salvage analysis, the study used total Company results. After selecting life and net salvage parameters, those depreciation parameters were

applied to the total Company plant using the North Dakota approved depreciation rates to provide the reserve balances for transmission and general plant. Plant balances for North Dakota state-specific assets and their reserve balances using the North Dakota approved depreciation rates were used for Electric and Gas Distribution plant.

All annual accrual rates were determined using the straight line, broad group, remaining life depreciation system. Depreciation and amortization rates reflect any imbalance between actual and theoretical reserves. Use of the remaining life depreciation system adds a self-correcting mechanism, which accounts for any differences between theoretical and book depreciation reserve over the remaining life of each depreciable group.

Given the many changes in life and net salvage in this study, this study recommends a reallocation of book reserve by plant account within each function. This reallocation does not change the total reserve within each function. Rather, reallocating the reserve within a function realigns the depreciation reserve balances within each function using the proposed life and net salvage parameters.

This study recommends an overall decrease of approximately \$7.9 million in annual depreciation expense. This consists of an decrease of \$6.9 million in annual depreciation expense for Electric facilities compared to the depreciation rates currently in effect after implementing the North Dakota Public Utilities Commission approved Settlement in Docket No. PU-07-776, a decrease of \$1.7 million in annual depreciation expense for Gas facilities compared to the depreciation rates currently in effect, and an increase of approximately \$666 thousand for Common plant in annual depreciation expense compared to the depreciation rates currently in effect. The overall decrease in depreciation expense is driven by changes in life and net salvage as well as treatment of any book and theoretical reserve imbalance. Appendix B demonstrates the change in depreciation expense for the various accounts. If approved by the Commission, the changes recommended in the study would be used by the Company effective January 1, 2013.

**NORTHERN STATES POWER COMPANY  
A MINNESOTA CORPORATION  
NORTH DAKOTA ASSETS  
TRANSMISSION, DISTRIBUTION, AND GENERAL PLANT  
ELECTRIC, GAS AND COMMON  
DEPRECIATION RATE STUDY**

**July 2012**

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## **PURPOSE**

The purpose of this study is to develop depreciation rates for the period beginning January 1, 2013 for the depreciable property as recorded on the books of Northern States Power Company – North Dakota, a Minnesota corporation (“NSP” or “Company”), at January 1, 2012. The account based depreciation rates were designed to recover the total remaining undepreciated investment, adjusted for net salvage, over the remaining life of NSP’s property on a straight-line basis. Non-depreciable property and production plant were excluded from this study.

### STUDY RESULTS

Overall depreciation rates for all NSP North Dakota depreciable property are shown in Appendix A. These rates translate into an annual depreciation accrual of \$92.1 million based on NSP depreciable investment at January 1, 2012. The annual equivalent depreciation expense calculated by the same method using the approved rates was \$100 million. These rates translate into an annual depreciation accrual for Electric of \$58.2 million, Gas of \$6.8 million, and Common of \$27.1 million. Appendix A demonstrates the development of the annual depreciation rates and accruals by account. Appendix B presents a comparison of approved rates versus proposed rates by account. Appendix C presents a summary of mortality and net salvage estimates by account. Appendix D presents a comparison between theoretical and book accumulated depreciation reserves for each account. Appendix E presents the net salvage analysis for all accounts. The overall decrease in depreciation expense is driven by changes in life and net salvage as well as treatment of any book and theoretical reserve imbalance. Shown below is a summary of the results for each group and function:

Type of Plant	Accrual at Existing Rates \$ x million	Accrual at Proposed Rates \$ x million	Difference \$ x million
Electric Transmission Depreciable	\$41.4	\$35.0	(\$6.5)
Electric Distribution Depreciable	\$2.1	\$3.0	\$1.0
Electric General Depreciable	\$1.3	\$1.2	(\$0.1)
Electric Distribution Amortized	\$0.5	\$0.8	\$0.3
Electric General & Intangible Amortized	\$19.7	\$18.2	(\$1.5)

Type of Plant	Accrual at Existing Rates \$ x million	Accrual at Proposed Rates \$ x million	Difference \$ x million
Gas Transmission	\$2.0	\$1.0	(\$1.0)
Gas Distribution Depreciated	\$2.1	\$1.9	(\$0.2)
Gas Distribution Amortized	\$0.3	\$0.2	(\$0.2)
Gas General Depreciated	\$0.04	\$0.04	(\$0.0)
Gas General & Intangible Amortized	\$4.0	\$3.7	(\$0.3)
Common Depreciated	\$2.7	\$2.7	\$0.0
Common Amortized	\$23.8	\$24.4	\$0.6
Total	\$100.0	\$92.1	(\$7.9)

## GENERAL DISCUSSION

### **Definition**

The term "depreciation" as used in this study is considered in the accounting sense, that is, a system of accounting that distributes the cost of assets, less net salvage (if any), over the estimated useful life of the assets in a systematic and rational manner. It is a process of allocation, not valuation. This expense is systematically allocated to accounting periods over the life of the properties. The amount allocated to any one accounting period does not necessarily represent the loss or decrease in value that will occur during that particular period. The Company accrues depreciation on the basis of the original cost of all depreciable property included in each functional property group. On retirement, the full cost of depreciable property, less the net salvage value (which may be negative), is charged to the depreciation reserve.

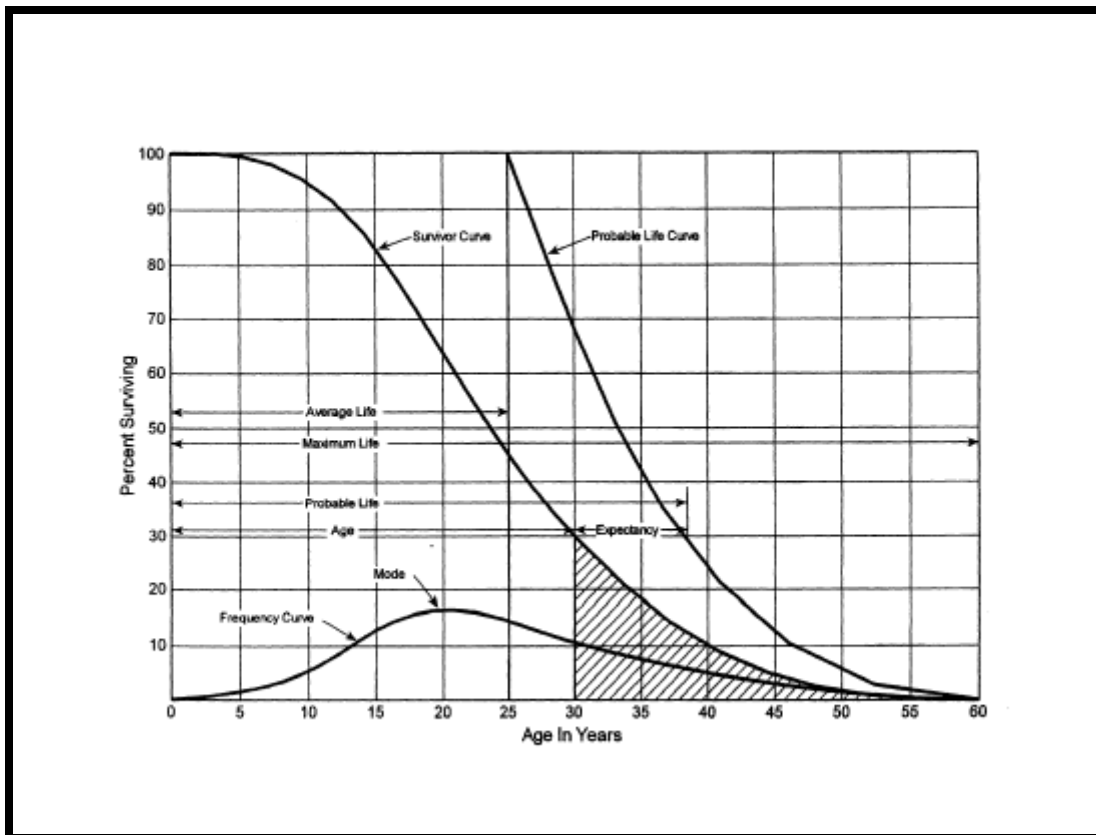
### **Basis of Depreciation Estimates**

The straight-line, broad (average) life group, remaining-life depreciation system was employed to calculate annual and accrued depreciation in this study. In this system, the annual depreciation expense for each group is computed by dividing the original cost of the asset less allocated depreciation reserve less estimated net salvage by its respective average life group remaining life. The resulting annual accrual amounts of all depreciable property within a function were accumulated, and the total was divided by the original cost of all functional depreciable property to determine the depreciation rate. The calculated remaining lives and annual depreciation accrual rates were based on attained ages of plant in service and the estimated service life and salvage characteristics of each depreciable group. The computations of the annual functional depreciation rates are shown in Appendix A.

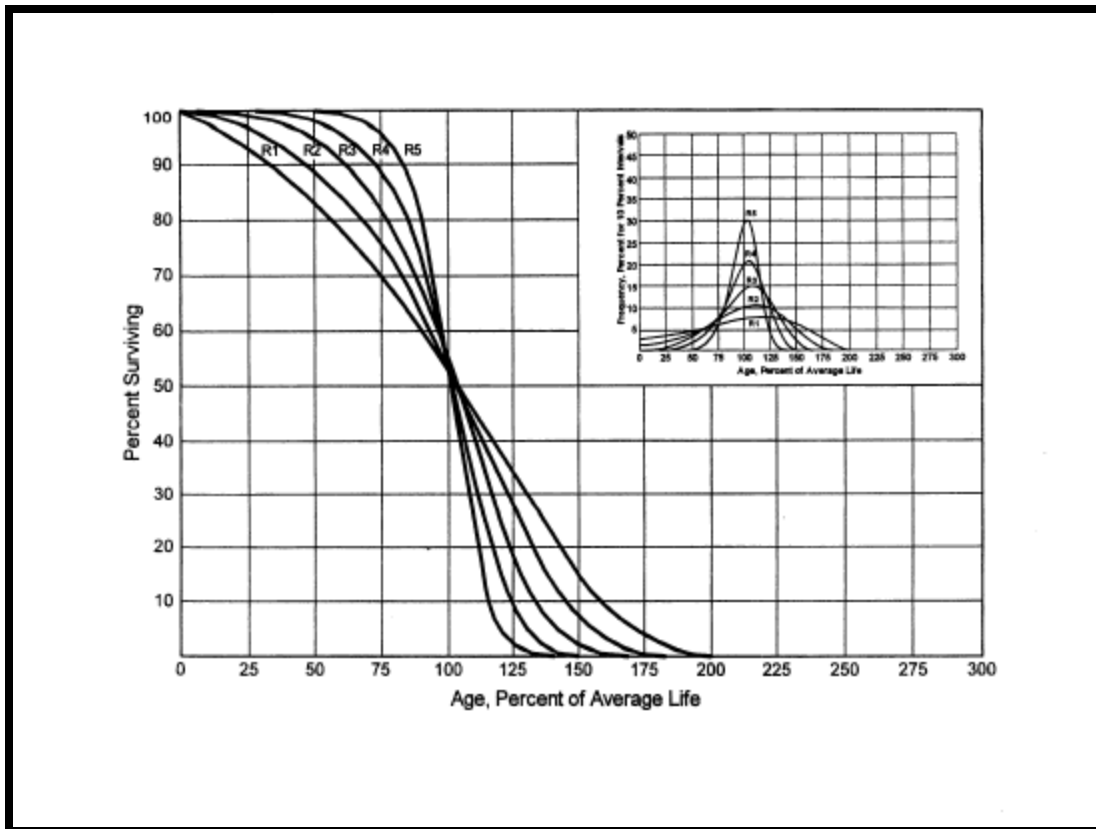
Actuarial analysis was used with each account within a function where sufficient data was available, and judgment was used to some degree on all accounts.

## Survivor Curves

To fully understand depreciation projections in a regulated utility setting, there must be a basic understanding of survivor curves. Individual property units within a group (for example, wood distribution poles) do not normally have identical lives or investment amounts. The average life of a group can be determined by first constructing a survivor curve which is plotted as a percentage of the units surviving at each age. A survivor curve represents the percentage of property remaining in service at various age intervals. The Iowa Survivor Curves (“Iowa Curves”) are the result of an extensive investigation of life characteristics of physical property made at Iowa State College Engineering Experiment Station in the first half of the prior century. Through common usage, revalidation and regulatory acceptance, these curves have become a descriptive standard for the life characteristics of industrial property. An example of an Iowa Curve is shown below.



There are four families in the Iowa Curves that are distinguished by the relation of the age at the retirement mode (largest annual retirement frequency) and the average life. For distributions with the mode age greater than the average life, an "R" designation (i.e., Right modal) is used. The family of "R" moded curves is shown below.



Similarly, an "S" designation (i.e., Symmetric modal) is used for the family whose mode age is symmetric about the average life. An "L" designation (i.e., Left modal) is used for the curve family whose mode age is less than the average life. A special case of left modal dispersion is the "O" or origin modal curve family. Within each curve family, numerical designations are used to describe the relative magnitude of the retirement frequencies at the mode. A "6" indicates that the retirements are not greatly dispersed from the mode (i.e., high mode frequency) while a "1" indicates a large dispersion about the mode (i.e., low mode frequency). For example, a curve with an

average life of 30 years and an "L3" dispersion is a moderately dispersed, left modal curve that can be designated as a 30 L3 Curve. A SQ, or square, survivor curve occurs where no dispersion is present (i.e., units of common age retire simultaneously).

Most property groups can be closely fitted to one Iowa Curve with a unique average service life. The blending of judgment concerning current conditions and future trends along with the matching of historical data permits the depreciation analyst to make an informed selection of an account's average life and retirement dispersion pattern.

### **Actuarial Analysis**

Actuarial analysis (retirement rate method) was used in evaluating historical asset retirement experience where vintage data were available and sufficient retirement activity was present. In actuarial analysis, interval exposures (total property subject to retirement at the beginning of the age interval, regardless of vintage) and age interval retirements are calculated. The complement of the ratio of interval retirements to interval exposures establishes a survivor ratio. The survivor ratio is the fraction of property surviving to the end of the selected age interval, given that it has survived to the beginning of that age interval. Survivor ratios for all of the available age intervals were chained by successive multiplications to establish a series of survivor factors, collectively known as an observed life table. The observed life table shows the experienced mortality characteristic of the account and may be compared to standard mortality curves such as the Iowa Curves. Where data was available, accounts were analyzed using this method. Placement bands were used to illustrate the composite history over a specific era, and experience bands were used to focus on retirement history for all vintages during a set period. The results from these analyses for those accounts which had data sufficient to be analyzed using this method are shown in the Life Analysis section of this report.

### **Simulated Plant Record Procedure**

The Simulated Plant Record Procedure - Balances approach ("SPR") is one of the commonly accepted approaches to analyze mortality characteristics of utility property. SPR was applied to some of the Electric and Gas Distribution accounts due to the unavailability of vintaged transactional data. In this method, an Iowa Curve and average service life are selected as a starting point of the analysis and its survivor factors are applied to the actual annual additions to give a sequence of annual balance totals. These simulated balances are compared with the actual balances by using both graphical and statistical analysis. Through multiple comparisons, the mortality characteristics (as defined by an average life and Iowa Curve) that are the best match to the property in the account can be found.

The Conformance Index ("CI") is one measure used to evaluate various SPR analyses. CIs are also used to evaluate the "goodness of fit" between the actual data and the Iowa Curve being referenced. The sum of squares difference ("SSD") is a summation of the difference between the calculated balances and the actual balances for the band or test year being analyzed. This difference is squared and then summed to arrive at the SSD, where n is the number of years in the test band as follows:

$$SSD = \sum_i^n (Calculated\ Balance_i - Observed\ Balance_i)^2$$

This calculation can then be used to develop other calculations, which the analyst feels might give a better indication for the "goodness of fit" for the representative curve under consideration. The residual measure ("RM") is the square root of the average squared differences as developed above. The residual measure is calculated as follows:

$$RM = \sqrt{\left( \frac{SSD}{n} \right)}$$

The CI is developed from the residual measure and the average observed plant balances for the band or test year being analyzed. The calculation of conformance index is shown below:

$$CI = \frac{\sum_i^n Balances_i / n}{RM}$$

The Retirement Experience Index (“REI”) gives an indication of the maturity of the account and is the percent of the property retired from the oldest vintage in the band at the end of the test year. Retirement indices range from 0 percent to 100 percent and a REI of 100 percent indicates that a complete curve was used. A REI less than 100 percent indicates that the survivor curve was truncated at that point. The originator of the SPR method, Alex Bauhan, suggests ranges of value for the CI and REI. The relationship for CI proposed by Bauhan is shown below<sup>1</sup>:

CI	Value
Over 75	Excellent
50 to 75	Good
25 to 50	Fair
Under 25	Poor

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<sup>1</sup> Public Utility Depreciation Practices, p. 96.

The relationship for REI proposed by Bauhan<sup>2</sup> is shown below:

REI	Value
Over 75	Excellent
50 to 75	Good
33 to 50	Fair
17 to 33	Poor
17 and below	Valueless

Depreciation analysts have used these measures in analyzing SPR results for nearly 60 years, since the SPR method was developed. Both the CI and REI statistics provide the analyst with important information with which to make a comparison between a band of simulated or calculated balances and the observed or actual balances in the account being studied.

Statistics are useful in analyzing mortality characteristics of accounts, as well as determining a range of service lives to be analyzed using the detailed graphical method. However, these statistics boil all the information down to one, or at most, a few numbers for comparison. Visual matching through comparison between actual and calculated balances expands the analysis by permitting the analyst to view many points of data at a time. The goodness of fit should be visually compared to plots of other Iowa Curve dispersions and average lives for the selection of the appropriate curve and life. Detailed information for each account is shown later in this study and in workpapers.

### **Judgment**

Any depreciation study requires informed judgment by the analyst conducting the study. A knowledge of the property being studied, company policies and procedures, general trends in technology and industry practice, and a sound basis of understanding depreciation theory are needed to apply this informed judgment. Judgment was used in areas such as survivor curve modeling and selection, depreciation method selection, simulated plant record method analysis, and actuarial analysis.

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<sup>2</sup> Public Utility Depreciation Practices, p. 97.

Judgment is not defined as being used in cases where there are specific, significant pieces of information that influence the choice of a life or curve. Those cases would simply be a reflection of specific facts into the analysis. Where there are multiple factors, activities, actions, property characteristics, statistical inconsistencies, implications of applying certain curves, property mix in accounts or a multitude of other considerations that impact the analysis (potentially in various directions), judgment is used to take all of these factors and synthesize them into a general direction or understanding of the characteristics of the property. Individually, no one factor in these cases may have a substantial impact on the analysis, but overall, may shed light on the utilization and characteristics of assets. Judgment may also be defined as deduction, inference, wisdom, common sense, or the ability to make sensible decisions. There is no single correct result from statistical analysis; hence, there is no answer absent judgment. At the very least for example, any analysis requires choosing the bands on which to place more emphasis.

The establishment of appropriate average service lives and retirement dispersions for the Transmission, Distribution, and General Plant accounts for the Electric, Gas, and Common utilities requires judgment to incorporate the understanding of the operation of the system with the available accounting information analyzed using the Retirement Rate actuarial methods. The appropriateness of lives and curves depends not only on statistical analyses, but also on how well future retirement patterns will match past retirements.

Current applications and trends in use of the equipment also need to be factored into life and survivor curve choices in order for appropriate mortality characteristics to be chosen.

#### **Average Life Group Depreciation**

NSP was authorized to use the average life group ("ALG") depreciation procedure in North Dakota Docket 07-776 and MPUC Docket Number E, G-002/D-07-1528 (5-year depreciation study) and E002/GR-10-971 (general rate case for electric). At the request of the Company, this study continues to use the ALG depreciation procedure to group the assets within each account. After an average

service life and dispersion curve were selected for each account, those parameters were used to estimate what portion of the surviving investment of each vintage was expected to retire. The depreciation of the group continues until all investment in the vintage group is retired. ALG is defined by their respective account dispersion curve, life, and salvage estimates. A straight-line rate for each ALG is calculated by computing a composite remaining life for each group across all vintages within the group, dividing the remaining investment to be recovered by the remaining life to find the annual depreciation expense and dividing the annual depreciation expense by the surviving investment. The resultant rate for each ALG group is designed to recover all retirements less net salvage when the last unit retires. The ALG procedure recovers net book cost over the life of each account by averaging many components.

### **Theoretical Depreciation Reserve**

The book depreciation reserve was derived from Company records and was reallocated from a functional level to individual accounts. This study used a reserve model that relied on a prospective concept relating future retirement and accrual patterns for property, given current life and salvage estimates. The theoretical reserve of a group is developed from the estimated remaining life, total life of the property group, and estimated net salvage. The theoretical reserve represents the portion of the group cost that would have been accrued if current forecasts were used throughout the life of the group for future depreciation accruals. The computation involves multiplying the vintage balances within the group by the theoretical reserve ratio for each vintage. The average life group method requires an estimate of dispersion and service life to establish how much of each vintage is expected to be retired in each year until all property within the group is retired. Estimated average service lives and dispersion determine the amount within each average life group. The straight-line remaining-life theoretical reserve ratio ("RR") at any given age is calculated as:

$$RR = 1 - \frac{(\text{Average Remaining Life})}{(\text{Average Service Life})} * (1 - \text{Net Salvage Ratio})$$

The use of the remaining life method effectively spreads any actual to theoretical reserve variance over the expected remaining life of the account.

### **Change to Average Life Group Remaining life Depreciation System**

In the Company's 2007 electric rate case (Docket No. 07-776) there was significant attention given to the difference in the theoretical and actual reserves. To address that concern, the Company recommended that the net book value be recovered over the remaining life of each Electric account. The 2007 rate case was resolved by settlement, so the NDPUC did not expressly address the issue. This study recommends implementation of a remaining life depreciation system. Use of

the remaining life depreciation system adds a self-correcting mechanism, which accounts for any differences between theoretical and book depreciation reserve over the remaining life of each depreciable group. Use of remaining life ensures that the difference between book and theoretical reserve will be amortized ratably over the remaining life of the group.

## DETAILED DISCUSSION

### Depreciation Study Process

This depreciation study encompassed four distinct phases. The first phase involved data collection and field interviews. The second phase was where the initial data analysis occurred. The third phase was where the information and analysis was evaluated. Once the first three stages were complete, the fourth phase began. This phase involved the calculation of depreciation rates and documenting the corresponding recommendations.

During the Phase I data collection process, historical data was compiled from continuing property records and general ledger systems. Data was validated for accuracy by extracting and comparing to multiple financial system sources. Audit of this data was validated against historical data from prior periods, historical general ledger sources, and field personnel discussions. This data was reviewed extensively to put in the proper format for a depreciation study. Further discussion on data review and adjustment is found in the Salvage Considerations Section of this study. Also as part of the Phase I data collection process, numerous discussions were conducted with engineers and field operations personnel to obtain information that would assist in formulating life and salvage recommendations in this study. One of the most important elements of performing a proper depreciation study is to understand how the Company utilizes assets and the environment of those assets. Interviews with engineering and operations personnel are important ways to allow the analyst to obtain information that is beneficial when evaluating the output from the life and net salvage programs in relation to the Company's actual asset utilization and environment. Information that was gleaned in these discussions is found both in the Detailed Discussion of this study in the life analysis and salvage analysis sections and also in workpapers.

Phase 2 is where the actuarial analysis is performed. Phase 2 and 3 overlap to a significant degree. The detailed property records information is used in phase 2 to develop observed life tables for life analysis. These tables are visually compared to industry standard tables to determine historical life characteristics. It is possible

that the analyst would cycle back to this phase based on the evaluation process performed in Phase 3. Net salvage analysis consists of compiling historical salvage and removal data by functional group to determine values and trends in gross salvage and removal cost. This information was then carried forward into Phase 3 for the evaluation process.

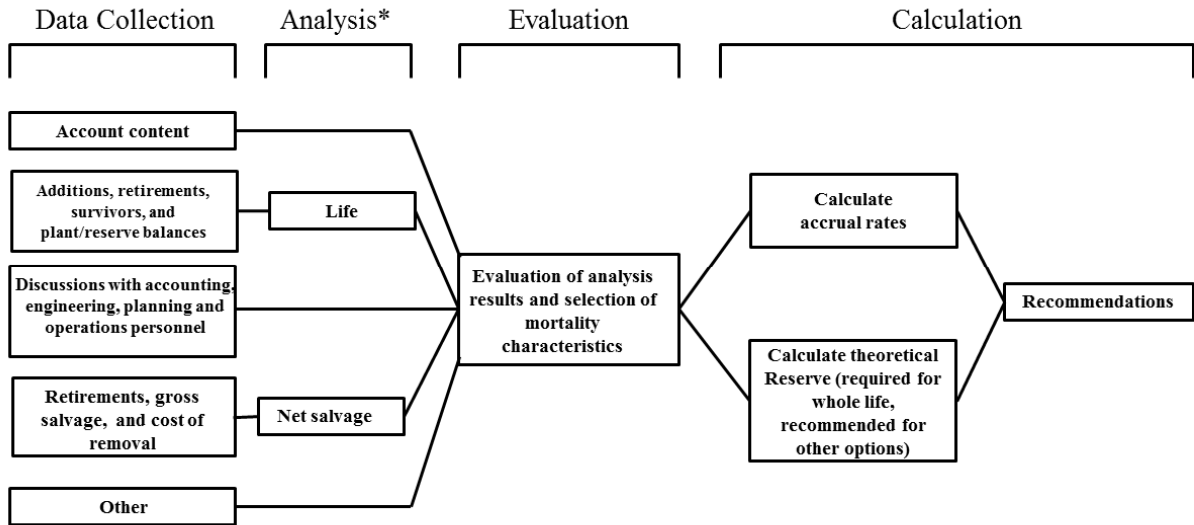
Phase 3 is the evaluation process which synthesizes analysis, interviews, and operational characteristics into a final selection of asset lives and net salvage parameters. The historical analysis from Phase 2 is further enhanced by the incorporation of recent or future changes in the characteristics or operations of assets that were revealed in Phase 1. Phases 2 and 3 allow the depreciation analyst to validate the asset characteristics as seen in the accounting transactions with actual Company operational experience.

Finally, Phase 4 involved the calculation of accrual rates, making recommendations and documenting the conclusions in a final report. The calculation of accrual rates is found in Appendix A. Recommendations for the various accounts are contained within the Detailed Discussion of this report. The depreciation study flow diagram shown as Figure 1<sup>3</sup> documents the steps used in conducting this study. Depreciation Systems, page 289 documents the same basic processes in performing a depreciation study which are: Statistical analysis, evaluation of statistical analysis, discussions with management, forecast assumptions, and document recommendations.

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<sup>3</sup> Public Utility Finance & Accounting, A Reader

### Book Depreciation Study Flow Diagram



Source: Public Utility Finance & Accounting: A Reader (Modified)

\*Although not specifically noted, the mathematical analysis may need some level of input from other sources (for example, to determine analysis bands for life and adjustments to data used in all analysis).

Figure 1

## **NORTHERN STATES POWER COMPANY – NORHT DAKOTA DEPRECIATION STUDY PROCESS**

### **Depreciation Rate Calculation**

Annual depreciation expense amounts for the depreciable accounts of Northern States Power Company – North Dakota were calculated by the straight-line method, average life group procedure, and remaining-life technique. With this approach, remaining lives were calculated according to standard ALG expectancy techniques, using the Iowa Curves noted in the calculation. For each plant account under the FERC Uniform System of Accounts, the difference between the surviving investment, adjusted for estimated net salvage, and the allocated book depreciation reserve, was divided by the average remaining life to yield the annual depreciation expense. These calculations are shown in Appendix A.

In the Company's last electric rate case (Docket No. 07-776), there was significant attention given to the difference in the theoretical and actual reserve margins. The rate case was resolved by settlement. To address that concern, however, the Company directed that the net book cost be recovered over the remaining life of each account. Use of the remaining life depreciation system adds a self-correcting mechanism, which accounts for any differences between theoretical and book depreciation reserve over the remaining life of the group.

### **Remaining Life Calculation**

The establishment of appropriate average service lives and retirement dispersions for each account within a functional group was based on engineering judgment that incorporated available accounting information analyzed using the Retirement Rate actuarial methods. After establishing the appropriate average service lives and retirement dispersion, the remaining life was computed for each account. The theoretical depreciation reserve with zero net salvage was calculated using theoretical reserve ratios as defined in the theoretical reserve portion of the General Discussion section. The difference between book depreciation reserve and theoretical reserve was then spread over the remaining life by ALG group. Remaining life computations are found for each account in workpapers.

**Calculation Process**

Annual depreciation expense amounts for all accounts was calculated by the straight line, remaining life procedure.

In a whole life representation, the annual accrual rate is computed by the following equation,

$$\text{Annual Accrual Rate} = \frac{(100\% - \text{Net Salvage Percent})}{\text{Average Service Life}}$$

Use of the remaining life depreciation system adds a self-correcting mechanism, which accounts for any differences between theoretical and book depreciation reserve over the remaining life of the group. With the straight line, remaining life, average life group system using Iowa Curves, composite remaining lives were calculated according to standard broad group expectancy techniques, noted in the formula below:

$$\text{Composite Remaining Life} = \frac{\sum \text{Original Cost} - \text{Theoretical Reserve}}{\sum \text{Whole Life Annual Accrual}}$$

For each plant account, the difference between the surviving investment, adjusted for estimated net salvage, and the allocated book depreciation reserve, was divided by the composite remaining life to yield the annual depreciation expense as noted in this equation where the Net Salvage% represents future net salvage.

$$\text{Annual Depreciation Expense} = \frac{\text{Original Cost} - \text{Book Reserve} - (\text{Original Cost}) * (1 - \text{Net Salvage \%})}{\text{Composite Remaining Life}}$$

Within a group, the sum of the group annual depreciation expense amounts, as a percentage of the depreciable original cost investment summed, gives the annual depreciation rate as shown below:

$$\text{Annual Depreciation Rate} = \frac{\sum \text{Annual Depreciation Expense}}{\sum \text{Original Cost}}$$

These calculations are shown in Appendix A. The calculations of the theoretical depreciation reserve values and the corresponding remaining life calculations are shown in workpapers. Book depreciation reserves were allocated from a functional level to individual accounts and the theoretical reserve computation was used to compute a composite remaining life for each account. A comparison between theoretical reserve and the reallocated book reserve is shown in Appendix D for all accounts.

### **Life Analysis**

The retirement rate actuarial analysis method was applied to accounts which had sufficient aged data for Northern States Power Company – North Dakota. Some of the mass distribution accounts only had aged retirement data from transaction year 2001 forward. Those accounts were analyzed with the SPR balances method. The distribution accounts analyzed with SPR were: Electric 364 Poles, Towers & Fixtures, 365 Overhead Conductor & Devices, 369 Services - Overhead, 369 Services - Underground, 373 Street Lighting & Signal Systems, and Gas: 376 Mains - Metallic, 376 Mains - Plastic, 380 Services - Metallic, and 380 Services - Plastic. For each account with sufficient data, an actuarial retirement rate analysis was made with placement and experience bands of varying width. The historical observed life table was plotted and compared with various Iowa Curves to obtain the most appropriate match. A selected curve for each account is shown in the Life Analysis Section of this report. The observed life tables for all analyzed placement and experience bands are provided in workpapers.

For each account on the overall band (i.e. placement from earliest vintage year which varied for each account through 2011), approved survivor curves from MPUC Docket Nos. E,G-002/D-07-1528 and E002/GR-10-971, if applicable modified by subsequent orders, were used as a starting point. Then using the same average life, various dispersion curves were plotted. Frequently, visual matching would confirm one specific dispersion pattern (i.e. L, S. or R) as an obviously better match than others. The next step would be to determine the most appropriate life using that dispersion pattern. Then, after looking at the overall experience band, different

experience bands were plotted and analyzed: in increments of approximately 20 years, for instance 1962-2011, 1982-2011, etc. Next placement bands of varying width were plotted with each experience band discussed above. Repeated matching usually pointed to a focus on one dispersion family and small range of service lives. The goal of visual matching was to minimize the differential between the observed life table and lowa curve in top and mid range of the plots. These results are used in conjunction with all other factors that may influence asset lives.

For account(s) which had insufficient data for actuarial analysis, a simulated plant record method analysis was performed at intervals for the overall band and at 5 year intervals within the overall balance period. In addition to reviewing the SPR analysis for each band and account, a graphical comparison between actual and simulated balances was performed.

These results are used in conjunction with all other factors that may influence asset lives.

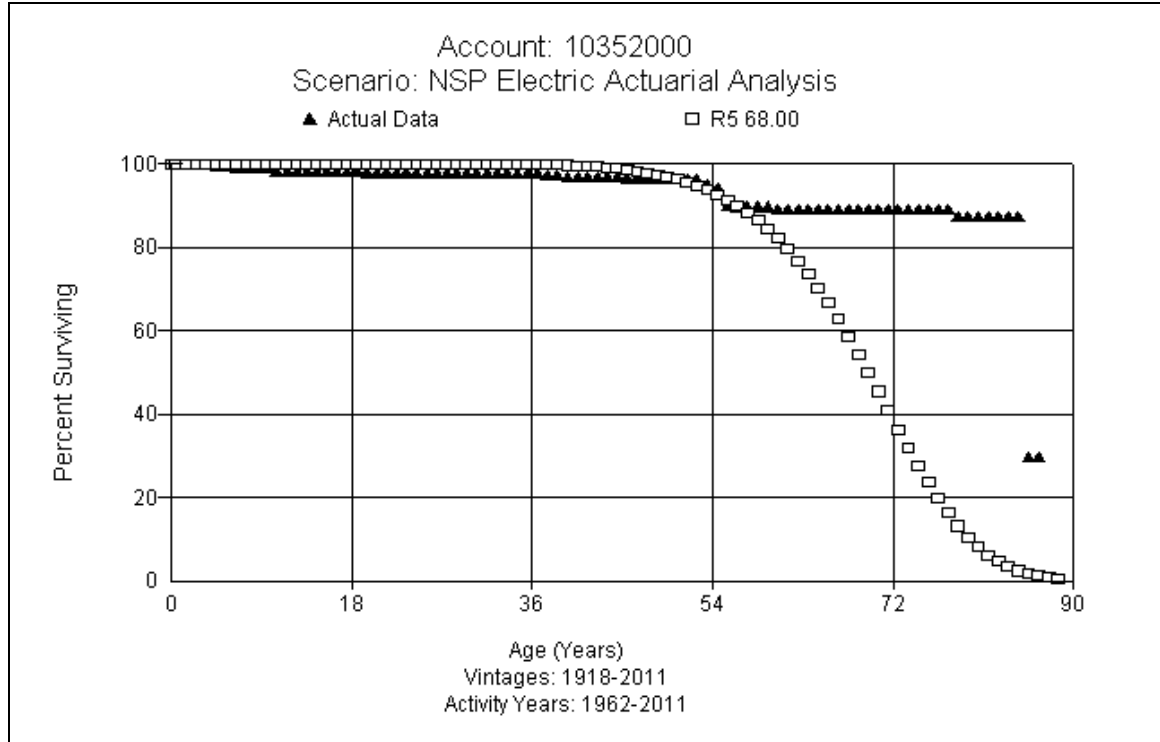
**ELECTRIC PLANT**

**TRANSMISSION**

**Transmission Accounts, FERC Accounts 352-358**

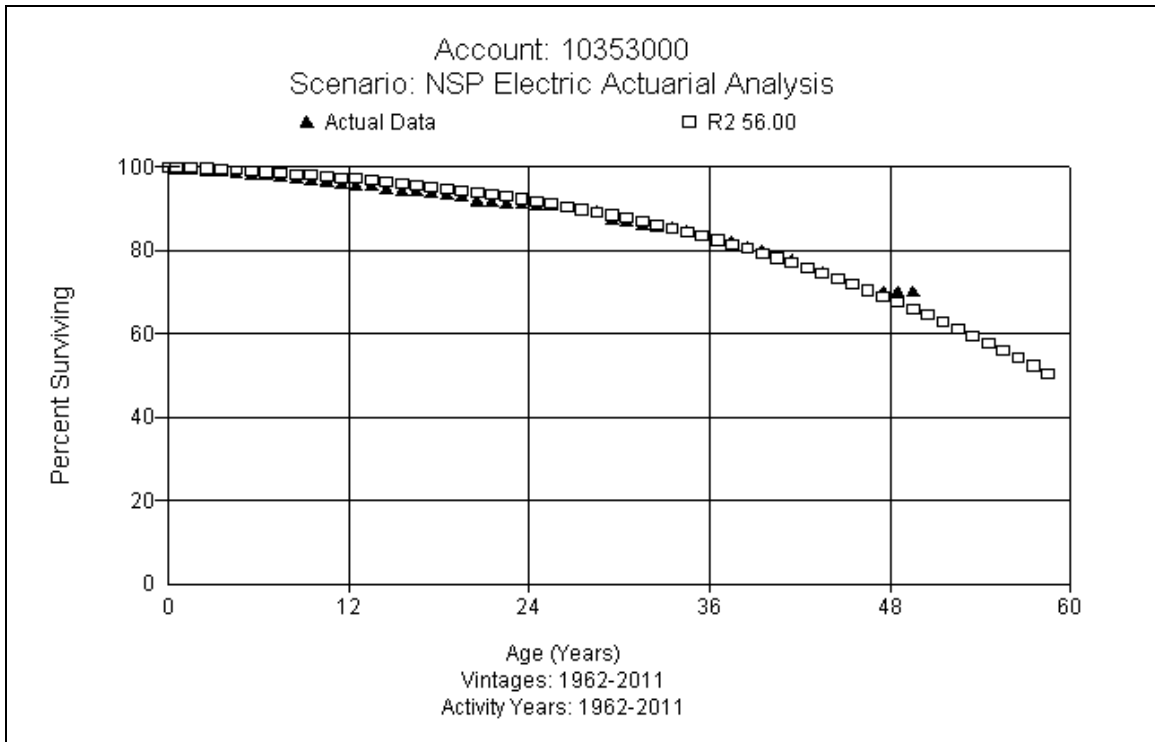
**FERC Account 352 Transmission Structures & Improvements (proposed 68 year life with a R5 dispersion curve)**

This account includes buildings, fencing and other structures found in a transmission substation. The current investment balance is \$46.9 million. The approved life and curve is 45 years with a S1 dispersion curve. There is a limited amount of data for actuarial analysis. Narrow bands do not have sufficient data with curves that stop at 97 percent surviving or higher. For the overall band, a longer life greatly in excess of the current 45 year life is indicated. Company personnel anticipate a longer life than approved, in the range of 65 to 70 years. Frost and severe winter conditions are factors that can contribute to retirements in North Dakota. Based on judgment and Company experience, a 68 year life is proposed for this account with a move from a S1 dispersion curve to a R5 dispersion curve.



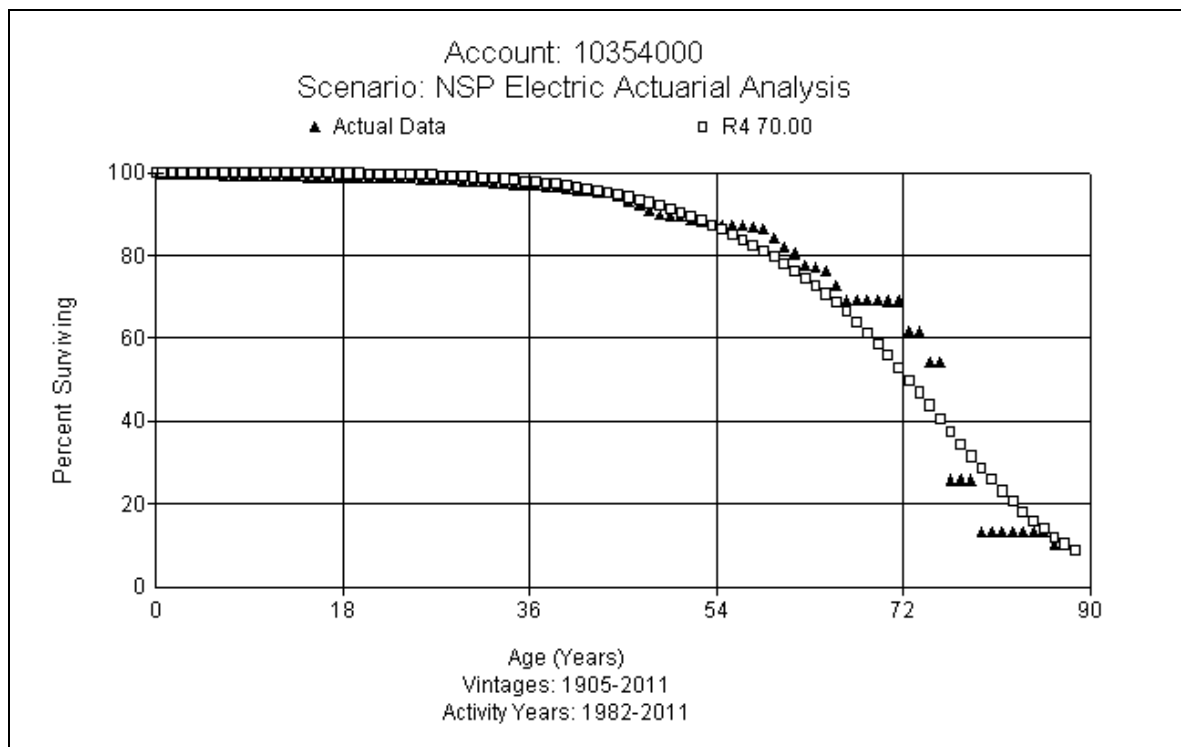
**FERC Account 353 Transmission Station Equipment (proposed 56 year life with a R2 dispersion curve)**

This account contains a wide variety of transmission substation equipment, from circuit breakers to switchgear. The current investment balance is \$856.3 million. The current approved life is 38 years with a SC dispersion curve. The Company maintains a table of low, normal, and long expectations for the various assets types in this account. Company personnel believe the middle or normal estimate is the most reflective of the Company assets. Relays are transitioning from electromechanical and solid state to microprocessor relays with an estimated life of 30 years. Company personnel expect to replace all older relays in the next 8-10 years. Life analysis across a variety of bands shows a longer life, in the 50 year and over range. Based on actuarial experience and judgment regarding the asset groups in this account, this study recommends moving to a 56-year life with a R2 dispersion curve for this account.



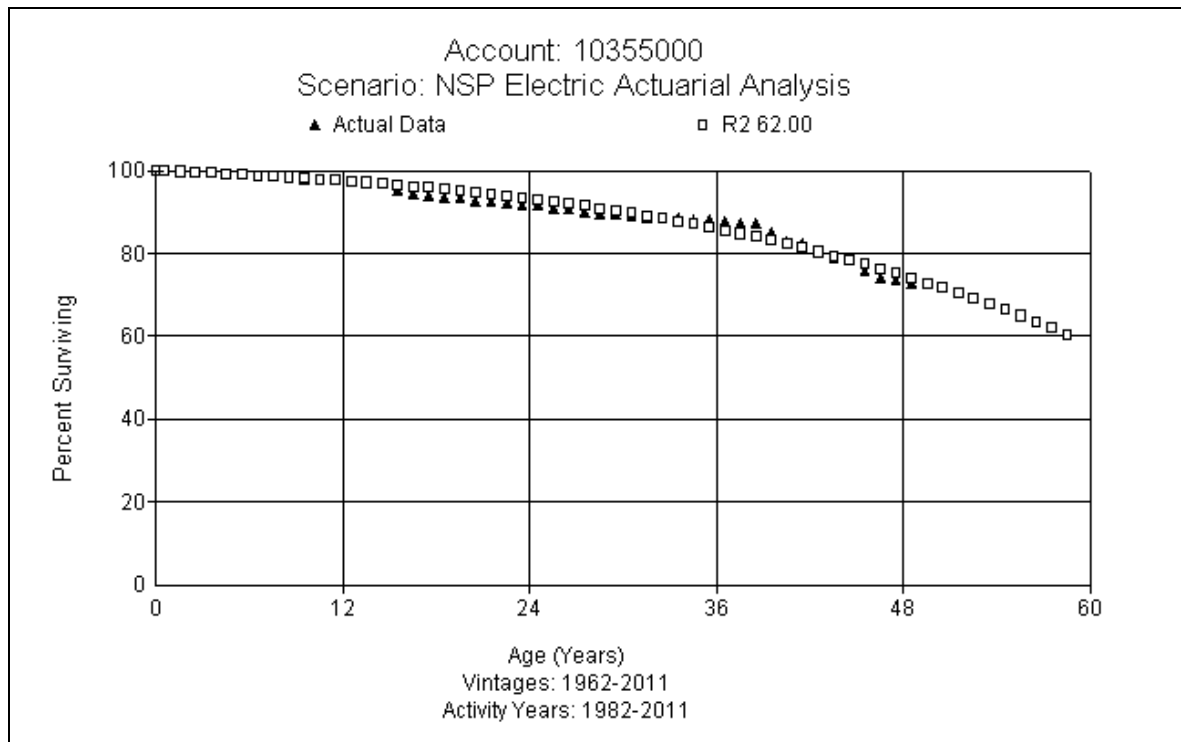
**FERC Account 354 Transmission Towers & Fixtures (proposed 70 year life with a R4 dispersion curve)**

This account consists of Transmission towers and fixtures, which are used to transmit electricity at a voltage of 69 kV and above. The current investment balance is \$113.9 million. The current approved life is the 50 years with a R4 dispersion curve. There has been a smaller amount of retirements occurring for towers versus other transmission accounts. Some towers are beginning to exhibit corrosion, and the structures will likely not be relocated. Company personnel anticipate a significantly longer life than the existing 50 years, on the order of 70 years or longer. Based on Company experience and judgment, this study recommends moving to a 70 year life with a R4 dispersion curve for this account.



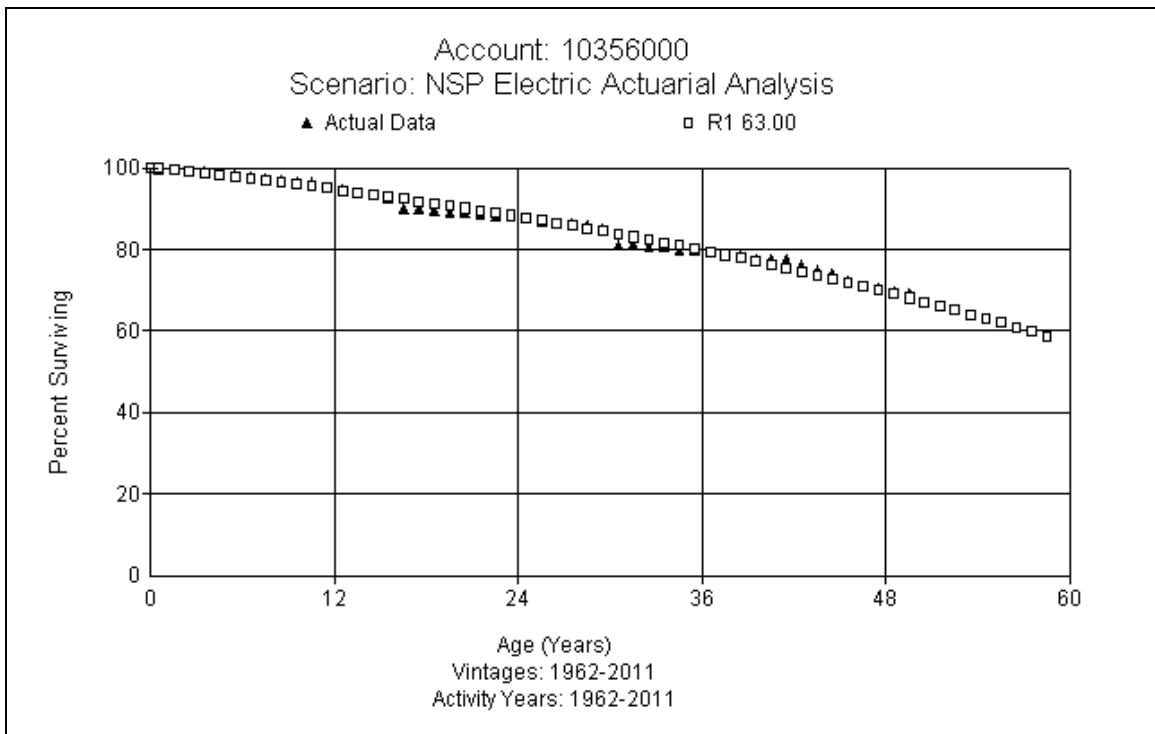
**FERC Account 355 Transmission Poles & Fixtures (proposed 62 year life with a R2 dispersion curve)**

This account consists of Transmission poles and fixtures, which are used to transmit electricity at a voltage of 69 kV and above. The current investment balance is \$557.9 million. The current approved life is 45 years with a R1.5 dispersion curve. Company personnel expect that 100 percent of all structures will have been retired by the age of 75 years, and perhaps 80 percent will last past 50 years. A small percentage will retire in the first 25 years. By 75 years, structures will have degraded to the point that they will all have to be replaced. Rot, obsolescence, change in energy flow, and new capacity are all potential causes of retirement. Their opinion is that the current 45 year life is shorter than expected. Based on the best fitting curves for the majority of the placement and experience band combinations, a life of 62 years with a R2 dispersion curve is recommended for this account.



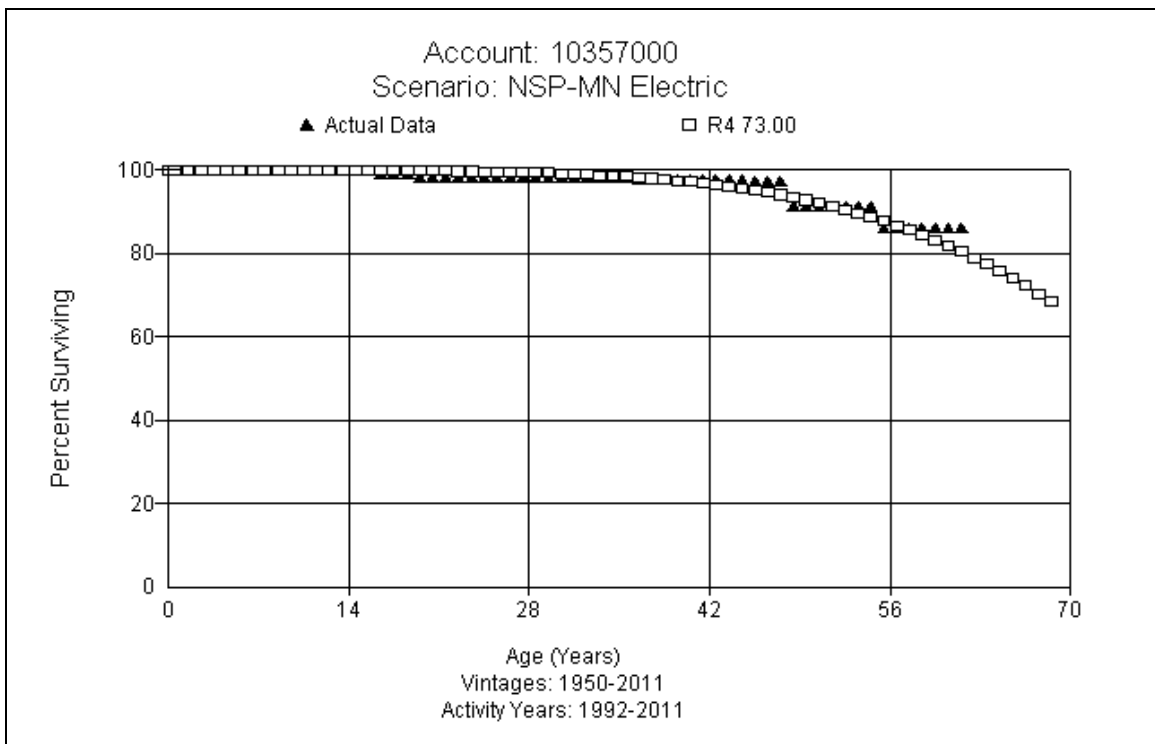
**FERC Account 356 Transmission Overhead Conductor & Devices (proposed 63 life with a R1 dispersion curve)**

This account consists of Transmission overhead conductors, which are used to transmit electricity at voltages of 69 kV and above. The current investment balance is \$303.7 million. The current approved life is 42 years with a L1 dispersion curve. Company personnel anticipate that conductor will have a life similar to poles in Account 355. Conductor may be replaced when it is too small or exhibits problems such as corrosion, falling splices, storms, or sag issues. Glass insulators are being replaced on dead ends and polymer on tangents. Polymer insulators are expected to last 30 years and be replaced once over the life of the line for polymer or the life of the line for glass. Based on the actuarial analysis, life indications are moving to a longer life, as noted by Company personnel. This study recommends a life of 63 years with a R1 dispersion curve for this account.



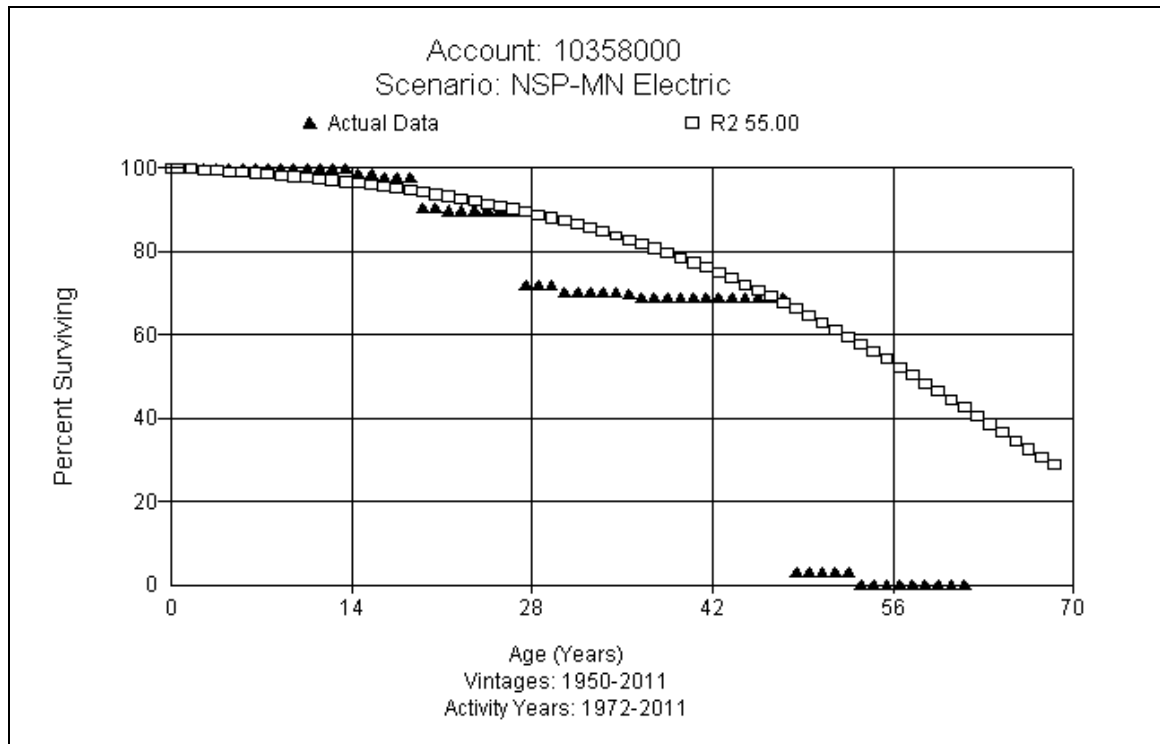
**FERC Account 357 Transmission Underground Conduit (proposed 73 year life with a R4 dispersion curve)**

This account consists of underground conduit. The current investment balance is \$12.1 million. The current approved life is 55 years with a L1.5 dispersion curve. Retirement data is limited for this account. Company personnel believe the current life for conduit is too short and recommend a life around 70 years. Based on actuarial analysis and input from Company personnel, this study recommends moving to a life of 73 years with a R4 dispersion curve for this account.



**FERC Account 358 Transmission Underground Conductor & Devices  
 (proposed 55 year with a R2 dispersion curve)**

This account consists of underground conductor. The lines are low pressure oil filled; paper wrapped 500 MCM copper cable. The current investment balance is \$21.0 million. The current approved life is 40 years with a L1 dispersion curve. Company personnel indicate overall a life of 55 years for underground conductor is a reasonable expectation. Based on input from Company personnel and actuarial analysis, this study recommends moving to a life of 55 years with a R2 dispersion curve for this account

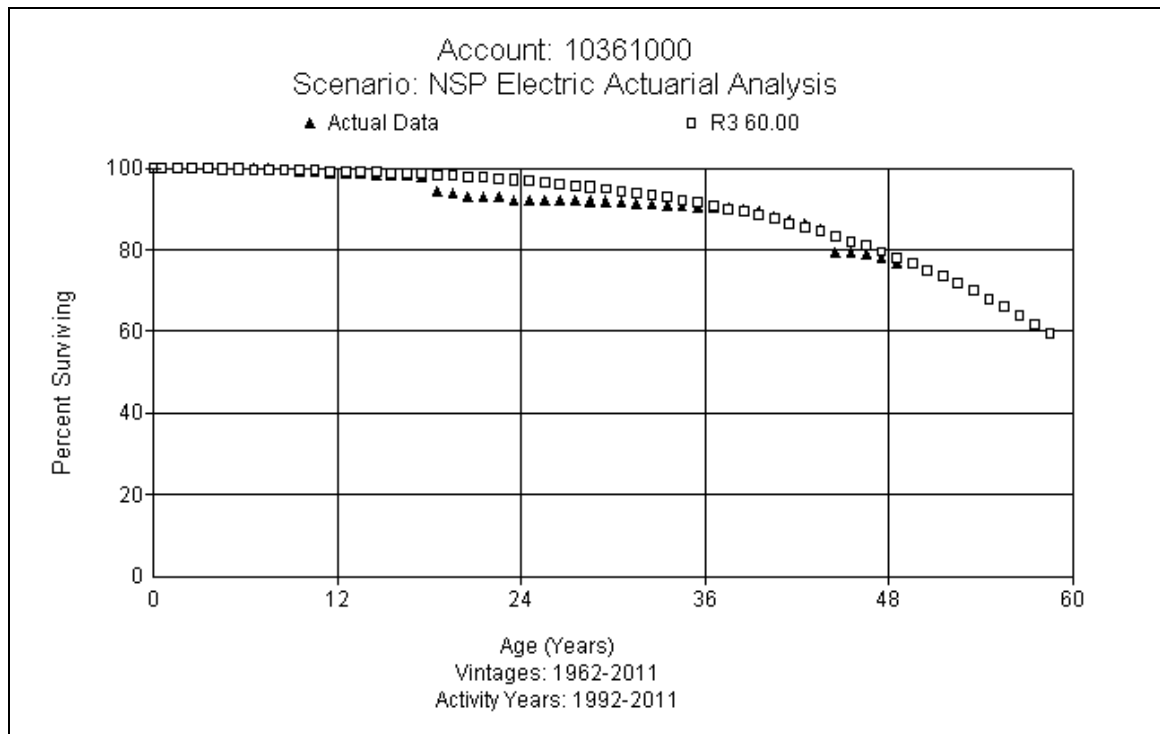


**DISTRIBUTION**

**Distribution Accounts, FERC Accounts 361 - 373**

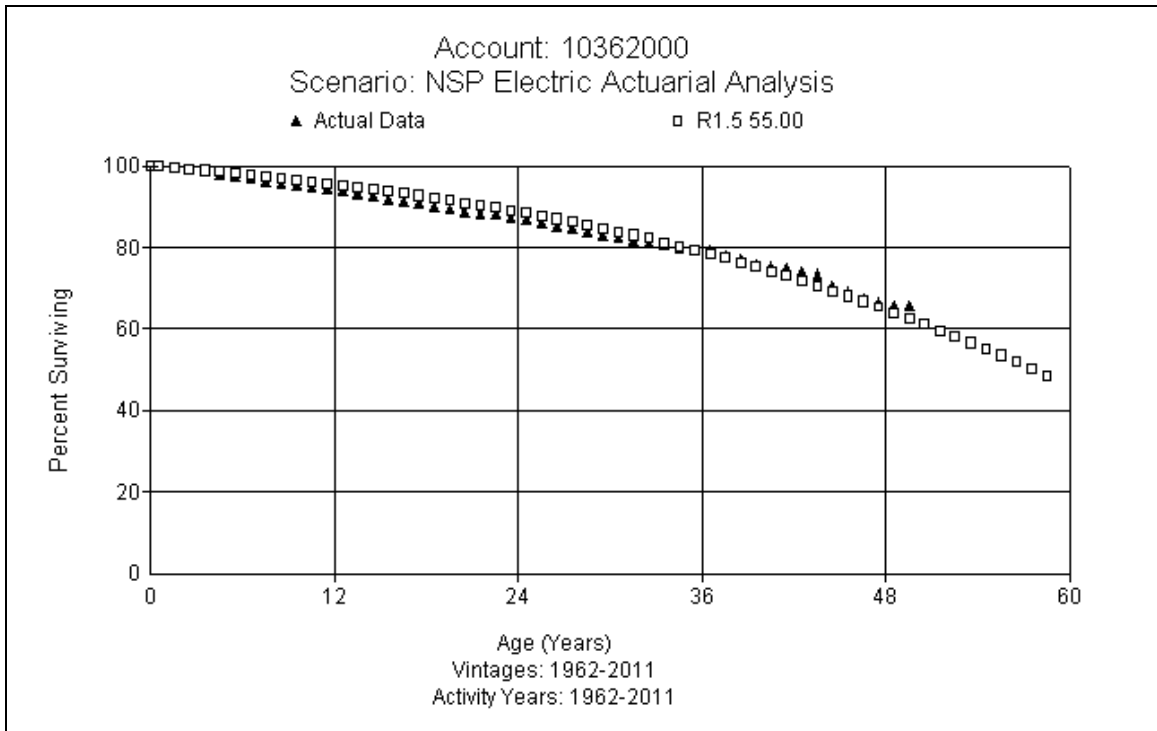
**FERC Account 361 Distribution Structures & Improvements (proposed 60 year life with a R3 dispersion curve)**

This grouping contains facilities ranging from fencing to other structures found in distribution substations. The current investment balance for North Dakota is \$786 thousand for this account. The current approved life is a 45 years with a R1 dispersion curve. Life analysis results are based on a total Company data. Company personnel anticipate a longer life than currently approved with the expectation that it will be less than Account 352, Transmission Structures and Improvements. After analyzing actuarial analysis results, a life of 60 years with a R3 dispersion curve is recommended for this account.



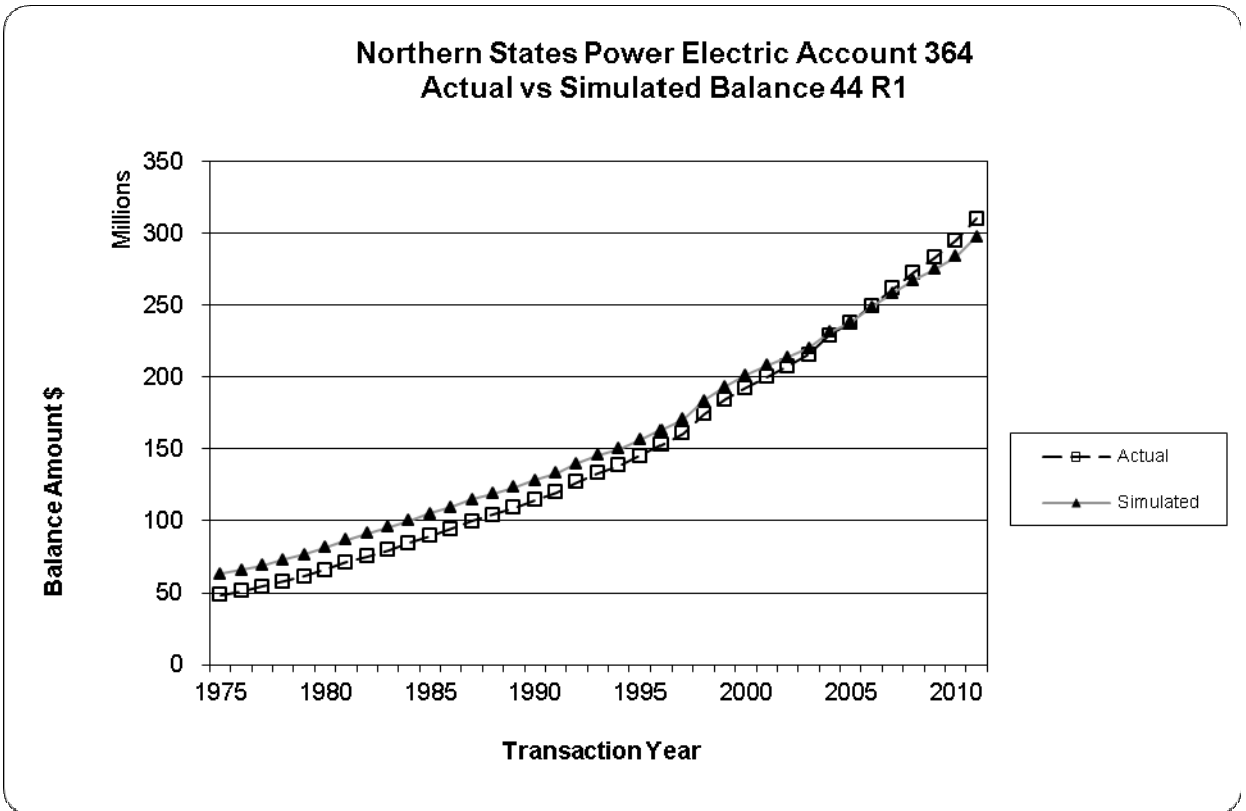
**FERC Account 362 Distribution Station Equipment (proposed 55 year life with a R1.5 dispersion curve)**

This grouping contains a wide variety of distribution substation equipment, from circuit breakers to switchgear. The current investment balance for North Dakota is \$15.7 million. The current approved life is a 38 years with a R1 dispersion curve. Life analysis results are based on total Company data. Company personnel expect the life of this account will be similar to Account 353, Transmission Substation Equipment, thus longer than the existing life. Multiple placement and experience bands show that a life of 55 years with a R1.5 dispersion curve is a good fit for many bands. Based on Company history and judgment, this study recommends a life of 55 years with a R1.5 dispersion curve for this account.



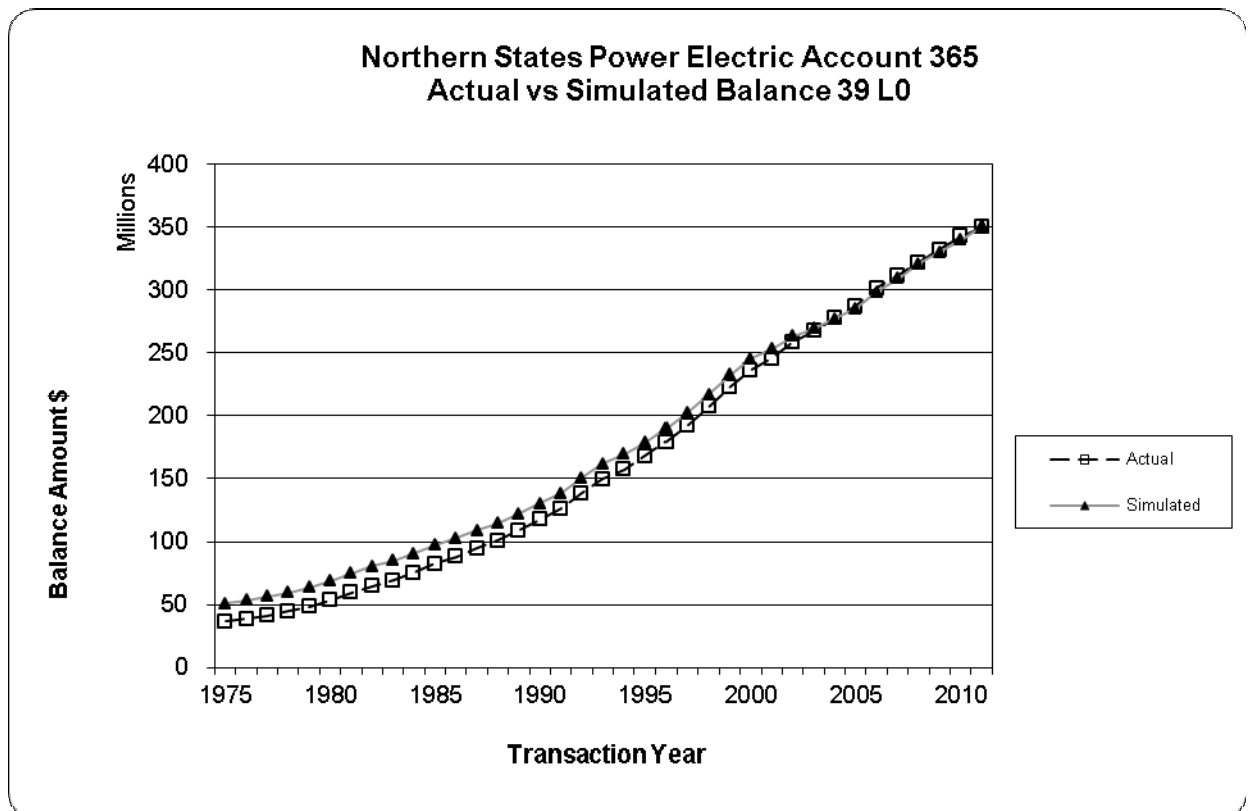
**FERC Account 364 Distribution Poles, Towers & Fixtures (proposed 44 year life with a R1 dispersion curve)**

This account contains poles and towers of various material types: wood and steel. Most of the poles across the system are made of wood. The height of these assets can range from 35 feet to 70 feet with the prevalent sizes being 45 feet and up. The current investment balance for North Dakota is \$11.2 million for this account. The current approved life is 40 years with a R1.5 dispersion curve. Life analysis results are based on total Company data. SPR analysis was used since actuarial results are available from 2001 forward only. Company personnel report that western red cedar poles were used up to 10 years ago and poles are now treated pine. Company experts believe the life of cedar would probably be 40-45 years and treated pine would be less than 40 years. The two biggest issues are rot and relocations. A pole testing program is producing proactive replacement activity. Steel is only used when building near a transmission structure. Based on life analysis results and input from Company personnel a 44 year life with a R1 dispersion curve is recommended for this account. A comparison of actual versus simulated balances is shown below.



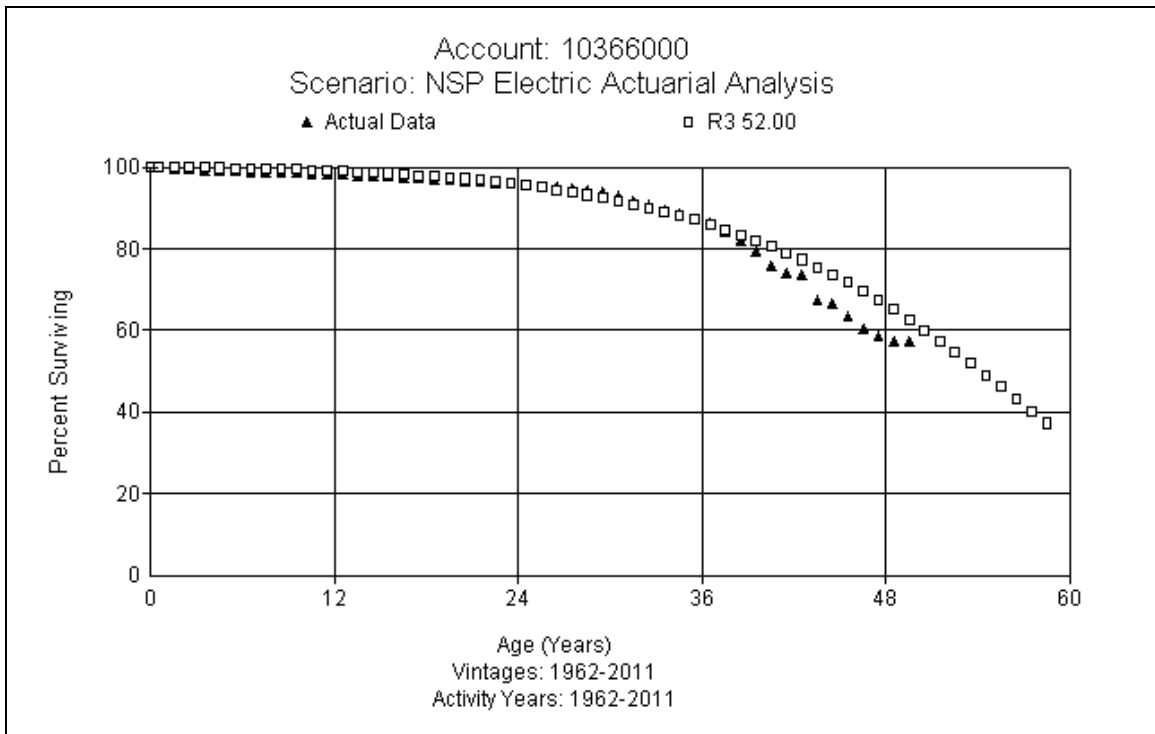
### FERC Account 365 Distribution Overhead Conductor & Devices (proposed 39 year life with a L0 dispersion curve)

This account consists of overhead conductor of various thickness, as well as various switches and reclosers. The current investment balance for North Dakota is \$16.9 million for this account. The current approved life is a 35 years with a R1 dispersion curve. Life analysis results are based on total Company data. Company personnel report that insulators are made of porcelain and polymer. Polymer has only been used for the past 8-12 years, so there is limited experience. The primary reasons for retirements are overloads, tree issues, more than 2 splices in a span, and capacity issues. Life analysis shows a shorter life than poles with life increasing in the narrowest bands. Based on life analysis and judgment, a 39 year life with a L0 dispersion curve is recommended for this account. A comparison of actual versus simulated balances is shown below.



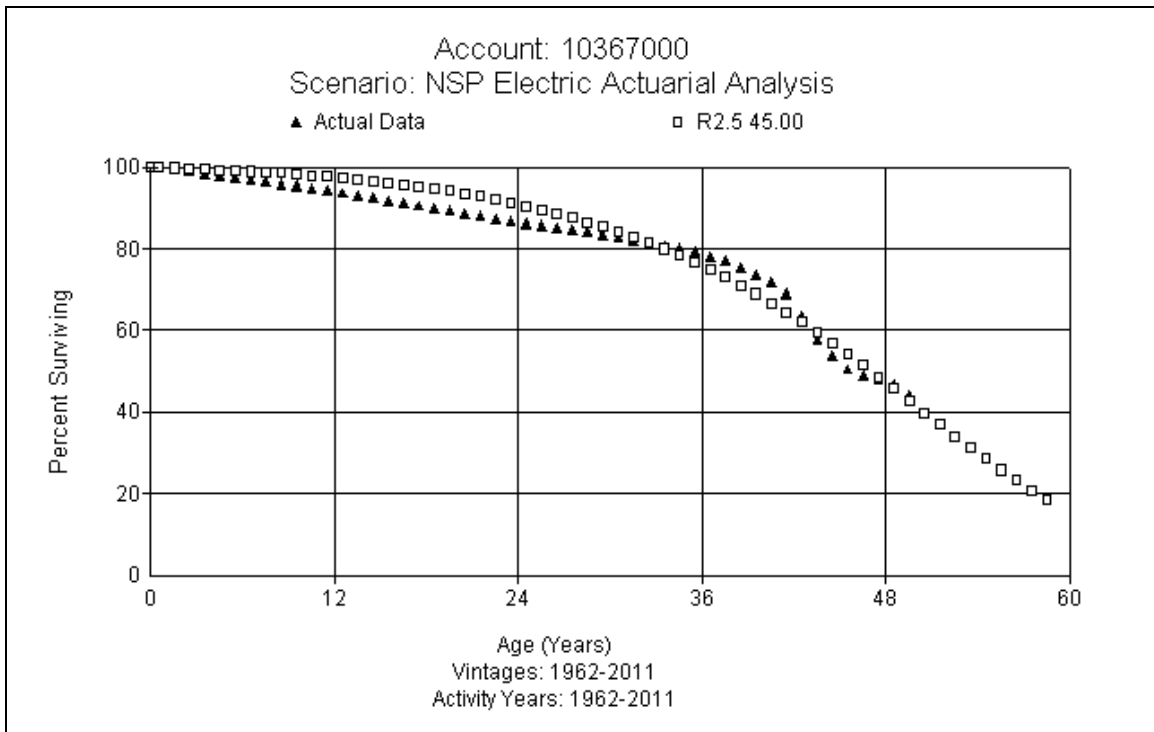
**FERC Account 366 Distribution Underground Conduit (proposed 52 year life with a R3 dispersion curve)**

This account consists of conduit, duct banks, vaults, manholes, and ventilating system equipment. The current investment balance for North Dakota is \$5.5 million for this account. The current approved life is 50 years with a R3 dispersion curve. Life analysis results are based on total Company data. Sufficient actuarial data exists for this account, so that methodology was used to analyze life. Across multiple placement and experience bands a 52 year life with a R3 dispersion curve provides a good fit. Based on Company experience, the current depreciation study recommendation is a 52 year life with a R3 dispersion curve.



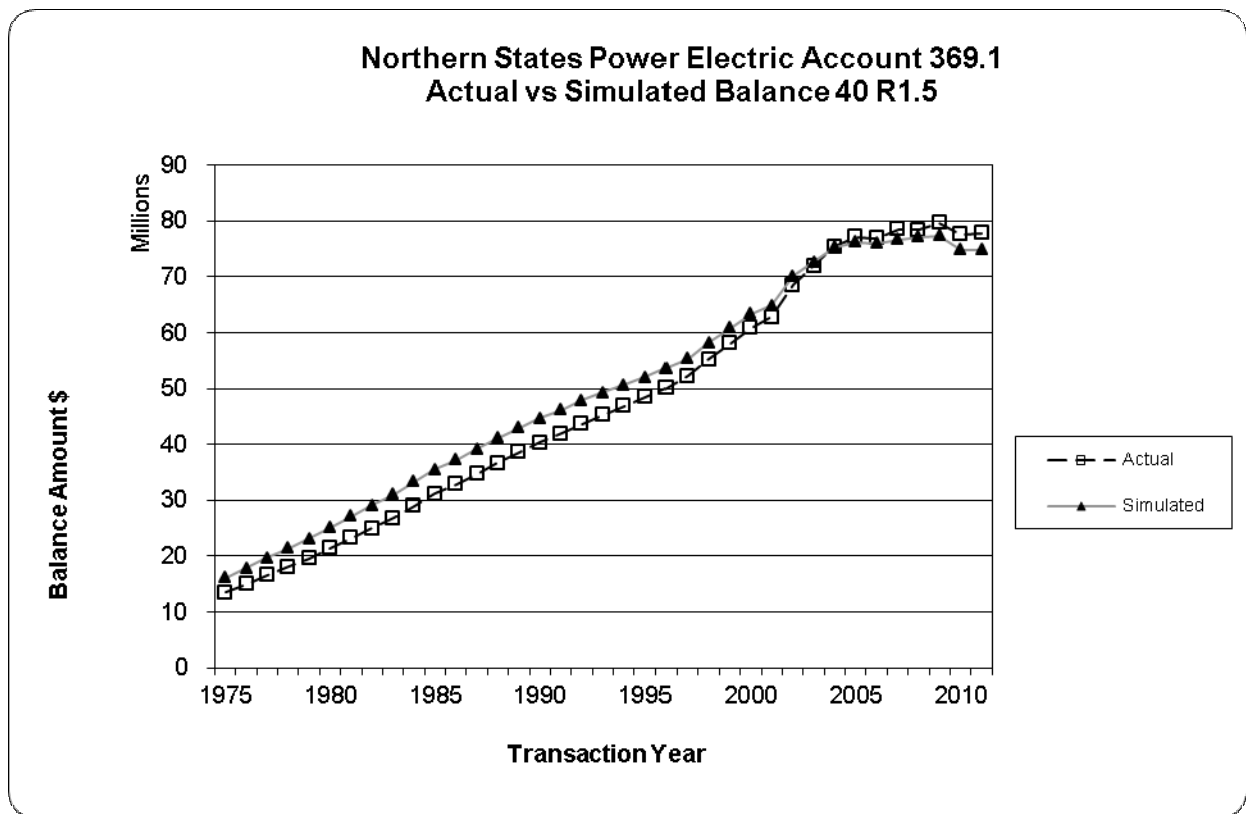
**FERC Account 367 Distribution Underground Conductor & Devices (proposed 45 life with a R2.5 dispersion curve)**

This account consists of underground distribution conductor, switches, and switchgear. The current investment balance for North Dakota is \$44.5 million for this account. The currently approved life is a 35 years with a R2 dispersion curve. Life analysis results are based on total Company data. Sufficient actuarial data exists for this account, so that methodology was used to analyze life. Across multiple placement and experience bands a 45 year life and a R2.5 dispersion curve provides a good fit. Based on Company experience, this depreciation study recommends a 45 year life with a R2.5 dispersion curve.



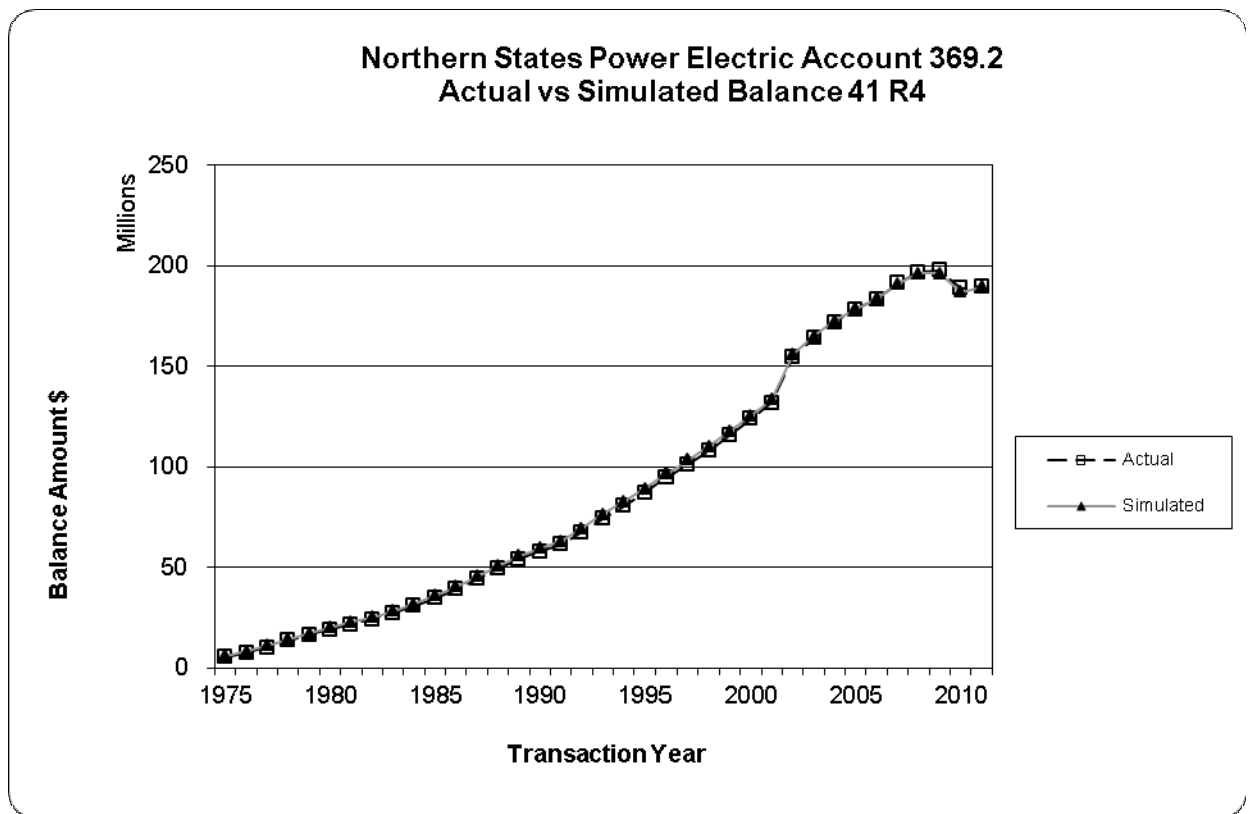
**FERC Account 369 Distribution Services – Overhead (proposed 40 life with a R1.5 dispersion curve)**

This account includes overhead services with a current investment balance in North Dakota of \$5.1 million. The current approved life is 40 years with a R2.5 dispersion. Life analysis results are based on total Company data. Company experts expect the life for services, both underground and overhead to be approximately 40 years. Many overhead services have been replaced for aesthetic reasons. After viewing SPR results and comparing actual versus simulated balances, a 40 year life with a R1.5 dispersion curve is recommended for this account.



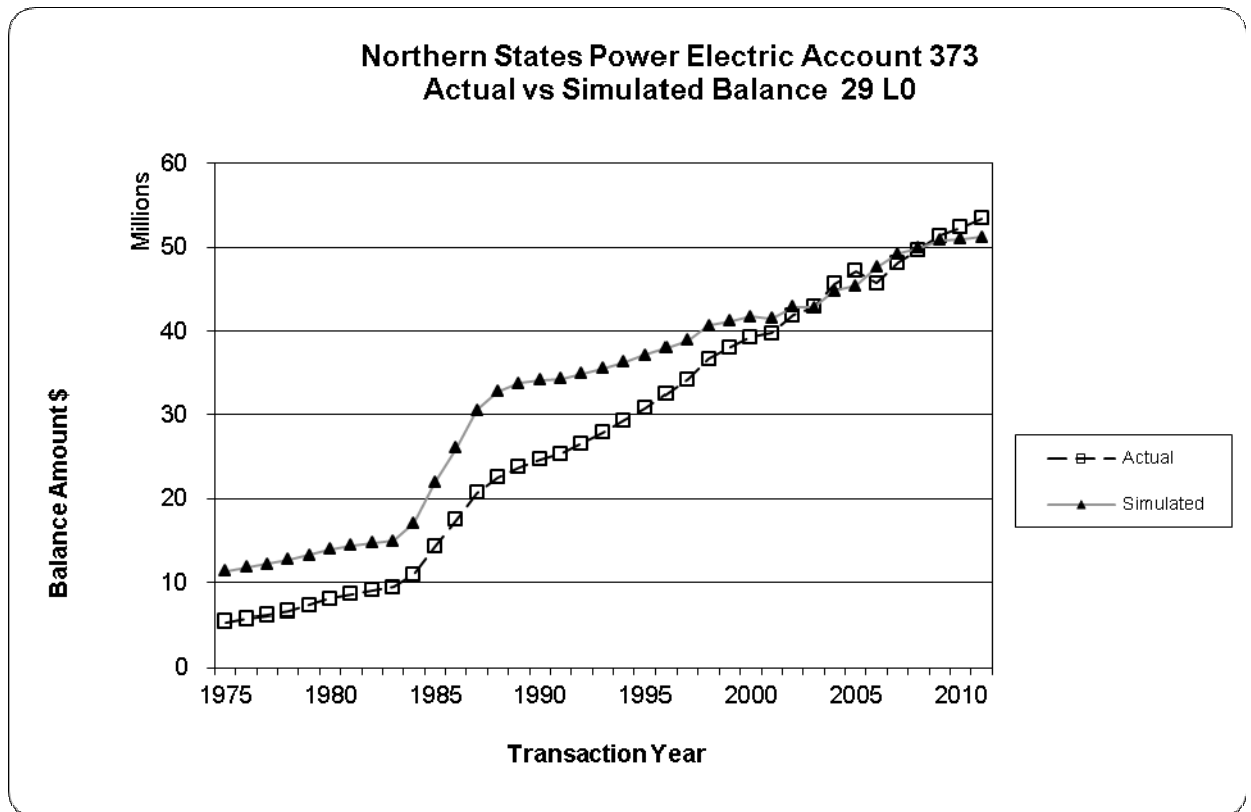
### FERC Account 369 Distribution Services – Underground (proposed 41 year life with a R4 dispersion curve)

This account includes underground services and has a current investment balance in North Dakota of \$7.2 million. The currently approved life is 40 years with a R2.5 dispersion curve. Life analysis results are based on total Company data. Company experts expect the life for services, both underground and overhead to be approximately 40 years. Better materials have been used for underground services since the 1970s. After viewing SPR results and comparing actual versus simulated balances, a 41 year life with a R4 dispersion curve is recommended for this account.



**FERC Account 373 Distribution Street Lighting & Signal Systems (proposed 29 year life with a L0 dispersion curve)**

This account includes all distribution streetlights, conductor, conduit, luminaire, and standards. The current investment balance for North Dakota is \$1.8 million. The current approved life is 25 years with a L5 dispersion curve. Life analysis results are based on total Company data. SPR was used on this account, since actuarial results are only available from 2001 forward. The L0 is the top curve for many bands. As the band becomes narrower, the life increases. A comparison of the proposed curve vs. actual data is shown below. Based on judgment and Company experience, a 29 year life with a L0 dispersion curve is recommended for this account.



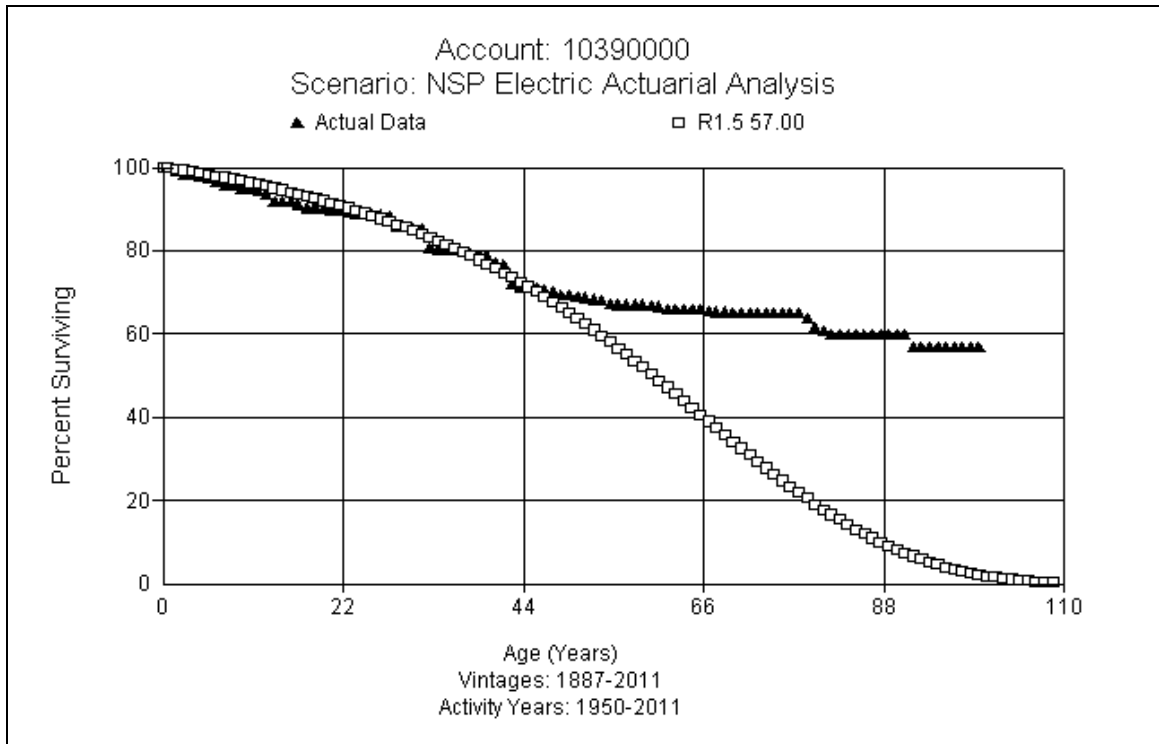
## **GENERAL**

### **General Accounts, FERC Accounts 390**

#### **FERC Account 390 General Structures & Improvements (proposed 57 year life with a R1.5 dispersion curve)**

This account includes the cost of general structures and improvements used for utility service. The current investment balance is \$59.2 million. The current approved life is 45 years with a R1 dispersion curve. Many components such as heating, ventilation, and air conditioning (“HVAC”) systems, lighting, controls, finishes, and roofing in buildings will have a much shorter life than the structure itself. Some consolidation of buildings occurs, but the Company redeploys buildings for other use when possible. Going forward, Company personnel expect to replace roofs at 20 years (currently have some that have only lasted 10 years and some that have lasted 25 years or longer) and anticipate the same time frame for HVAC (which would include boilers, cooling towers, chillers, etc.). Depending on the location (heat or heavy trucks can shorten life); parking lots would be expected to last 15-20 years.

At that point, the Company would tear up the old lot, retire and replace it with a new one. Removal cost is charged for replacing lots – a fixed percentage that can change based on specific facts of the project. The average age of buildings is over 40 years. Actuarial data shows a longer life than is currently approved. Based on the analysis and mix of assets, this study recommends moving to a 57 year life with a R1.5 dispersion curve.



## **ELECTRIC VINTAGE GROUP (AMORTIZED) ACCOUNTS**

### **DISTRIBUTION**

#### **FERC Account 368 Distribution Line Transformers (proposed 32 year life with a SQ dispersion curve)**

This account consists of line transformers and regulators. The current investment is \$13.6 million for North Dakota in this account. However, \$2.0 million is considered fully depreciated, so the adjusted balance is \$11.6 million. The current approved life of 32 years with a SQ dispersion curve should be retained.

#### **FERC Account 368 Distribution Line Capacitors (proposed 25 year life with a SQ dispersion curve)**

This account consists of line capacitors. The current investment is \$553 thousand for North Dakota in this account. However, \$141 thousand is considered fully depreciated, so the adjusted balance is \$412 thousand. The current approved life of 25 years with a SQ dispersion curve should be retained.

#### **FERC Account 370 Distribution Meters (proposed 15 year life with a SQ dispersion curve)**

This account includes new distribution meters. The current investment is \$5.3 million for North Dakota. However, \$980 thousand is considered fully depreciated, so the adjusted balance is \$4.3 million. The current approved life of 15 years with a SQ dispersion curve should be retained.

#### **FERC Account 370 Distribution Meters – Old (proposed 20 year life with a SQ dispersion curve)**

This account includes all old distribution meters, which are meters not equipped with automated meter reading equipment. The current investment is \$1.4 million for North Dakota. However, \$1.2 million is considered fully depreciated, so the adjusted balance is \$0.2 million. The current approved life of 20 years with a SQ

dispersion curve should be retained.

### **GENERAL PLANT VINTAGE GROUP (AMORTIZED) ACCOUNTS**

#### **FERC Account 303 Intangible Computer Software – 5 year (proposed 5 year life with a SQ dispersion curve)**

This account consists of miscellaneous computer software. The current investment is \$38.0 million. However, \$22.8 million is considered fully accrued so the adjusted balance is \$15.2 million. The current approved life of 5 years with a SQ dispersion curve should be retained.

#### **FERC Account 391 General Office Furniture & Equipment (proposed 20 year life with a SQ dispersion curve)**

This account consists of miscellaneous office furniture such as desks, chairs, filing cabinets, and tables used for general utility service. The current investment is \$22.9 million. The current approved life is 18 years with a SQ dispersion curve. Company personnel recommend moving the amortization to 20 years for this account, since that is the review cycle for office equipment. Thus a 20 year life with a SQ dispersion curve is recommended for this account.

#### **FERC Account 391 General Network Equipment (proposed 4 year life with a SQ dispersion curve)**

This account consists of computer equipment used for general utility service. The current investment is \$12.2 million. However, \$7.3 million is considered fully accrued so the adjusted balance is \$4.9 million. The current approved life of 4 years with a SQ dispersion curve should be retained.

#### **FERC Account 392 General Transportation Equipment - Automobiles (proposed 10 year life with a SQ dispersion curve)**

This account consists of automobiles used for general utility service. The

current investment is \$390 thousand. The current approved life is 5 years with a SQ dispersion. Interviews with Company personnel show this equipment is lasting longer, and this study recommends moving to a 10 year life with a SQ dispersion curve for this account.

**FERC Account 392 General Transportation Equipment - Light Trucks  
(proposed 12 year life with a SQ dispersion curve)**

This account consists of light trucks used for general utility service. The current investment is \$21.1 million. However, \$99 thousand is considered fully accrued so the adjusted balance is \$21.0 million. The current approved life is 10 years with a SQ dispersion curve. Interviews with Company personnel show this equipment is lasting longer, and this study recommends moving to a 12 year life with a SQ dispersion curve for this account.

**FERC Account 392 General Transportation Equipment - Trailers (proposed 15  
year life with a SQ dispersion curve)**

This account consists of trailers used for general utility service. The current investment is \$7.2 million. The current approved life is 10 years with a SQ dispersion curve. Interviews with Company personnel show this equipment is lasting longer, and this study recommends moving to a 15 year life with a SQ dispersion curve for this account.

**FERC Account 392 General Transportation Equipment - Heavy Trucks  
(proposed 14 year life with a SQ dispersion curve)**

This account consists of heavy trucks used for general utility service. The current investment is \$41.8 million. However, \$134 thousand is considered fully accrued so the adjusted balance is \$41.7 million. The current approved life is 12 years with a SQ dispersion curve. Interviews with Company personnel show this equipment is lasting longer, and this study recommends moving to a 14 year life with a SQ dispersion curve for this account.

**FERC Account 393 General Stores Equipment (proposed 20 year life with a SQ dispersion curve)**

This account consists of stores equipment used for general utility service. The current investment is \$1.6 million. However, \$356 thousand is considered fully accrued so the adjusted balance is \$1.2 million. The current approved life of 20 years with a SQ dispersion curve should be retained.

**FERC Account 394 General Tools, Shop & Garage Equipment (proposed 15 year life with a SQ dispersion curve)**

This account consists of various items or tools used in shop and garages such as air compressors, grinders, mixers, hoists, and cranes. The current investment is \$51.7 million. However, \$513 thousand is considered fully accrued so the adjusted balance is \$51.1 million. The current approved life of 15 years with a SQ dispersion curve should be retained.

**FERC Account 395 General Laboratory Equipment (proposed 10 year life with a SQ dispersion curve)**

This account consists of laboratory equipment used in general utility service. The current investment is \$3.8 million. However, \$183 thousand is considered fully accrued so the adjusted balance is \$3.6 million. The current approved life of 10 years with a SQ dispersion curve should be retained.

**FERC Account 396 General Power Operated Equipment (proposed 12 year life with a SQ dispersion curve)**

This account consists of bulldozers, forklifts, trenchers, and other power operated equipment that cannot be licensed on roadways. The current investment is \$20.7 million. The current approved life is 10 years with a SQ dispersion curve. Interviews with Company personnel show this equipment is lasting longer, and this

study recommends moving to a 12 year life with a SQ dispersion curve for this account.

**FERC Account 397 General Communication Equipment (proposed 9 year life with a SQ dispersion curve)**

This account consists of miscellaneous communication equipment used in general utility service. The current investment is \$12.8 million. However, \$579 thousand is considered fully accrued so the adjusted balance is \$12.2 million. The current approved life of 9 years with a SQ dispersion curve should be retained.

**FERC Account 397 General Communication Equipment – Two Way (proposed 9 year life with a SQ dispersion curve)**

This account consists of miscellaneous two way communication equipment used in general utility service. The current investment is \$252 thousand. However, \$20 thousand is considered fully accrued so the adjusted balance is \$232 thousand. The current approved life of 9 years with a SQ dispersion curve should be retained.

**FERC Account 397 General Communication Equipment – AES (proposed 15 year life with a SQ dispersion curve)**

This account consists of miscellaneous automated energy services (“AES”) including electronic or automated meter reading communication equipment used in general utility service. The current investment is \$5.0 million. The current approved life of 15 years with a SQ dispersion curve should be retained.

**FERC Account 397 General Communication Equipment – EMS (proposed 15 year life with a SQ dispersion curve)**

This account consists of energy management system (“EMS”) communication equipment used for energy monitoring and controlling equipment to manage general utility service. The current investment is \$9.7 million. The current approved life of 15 years with a SQ dispersion curve should be retained.

**FERC Account 398 General Miscellaneous Equipment (proposed 15 year life with a SQ dispersion curve)**

This account consists of miscellaneous equipment used in general utility service. The current investment is \$2.79 million. However, \$10 thousand is considered fully accrued so there will be an adjusted balance of \$2.78 million. The current approved life of 15 years with a SQ dispersion curve should be retained.

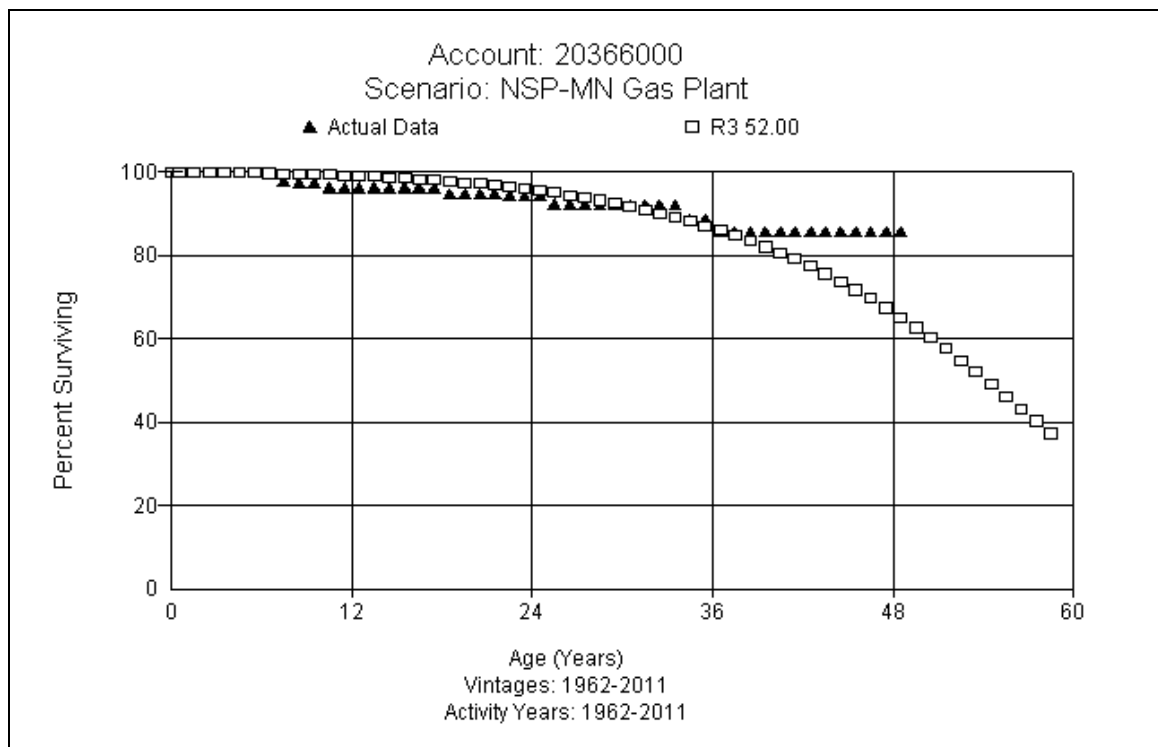
## GAS PLANT

### TRANSMISSION

#### Transmission Accounts, FERC Accounts 366 - 369

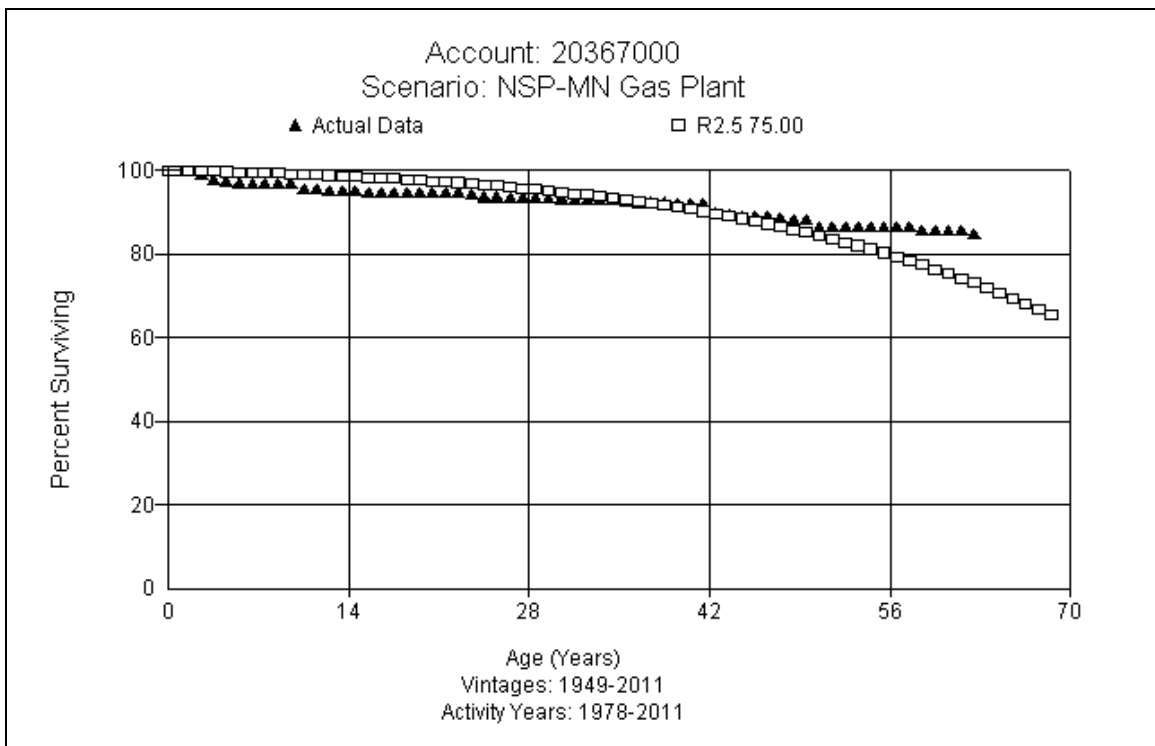
#### FERC Account 366 Transmission Structures & Improvements (proposed 52 year life with a R3 dispersion curve)

This account includes the cost of structures and improvements used in conjunction with transmission operations such as buildings, fences, or other structures. The plant balance in this account is \$1.0 million. The current approved life is 41 years with a R5 dispersion curve. Life analysis shows a longer life. Based on actuarial analysis, a 52 life with a R3 dispersion curve is recommended. A graph of the observed life table vs. the proposed life and curve is shown below.



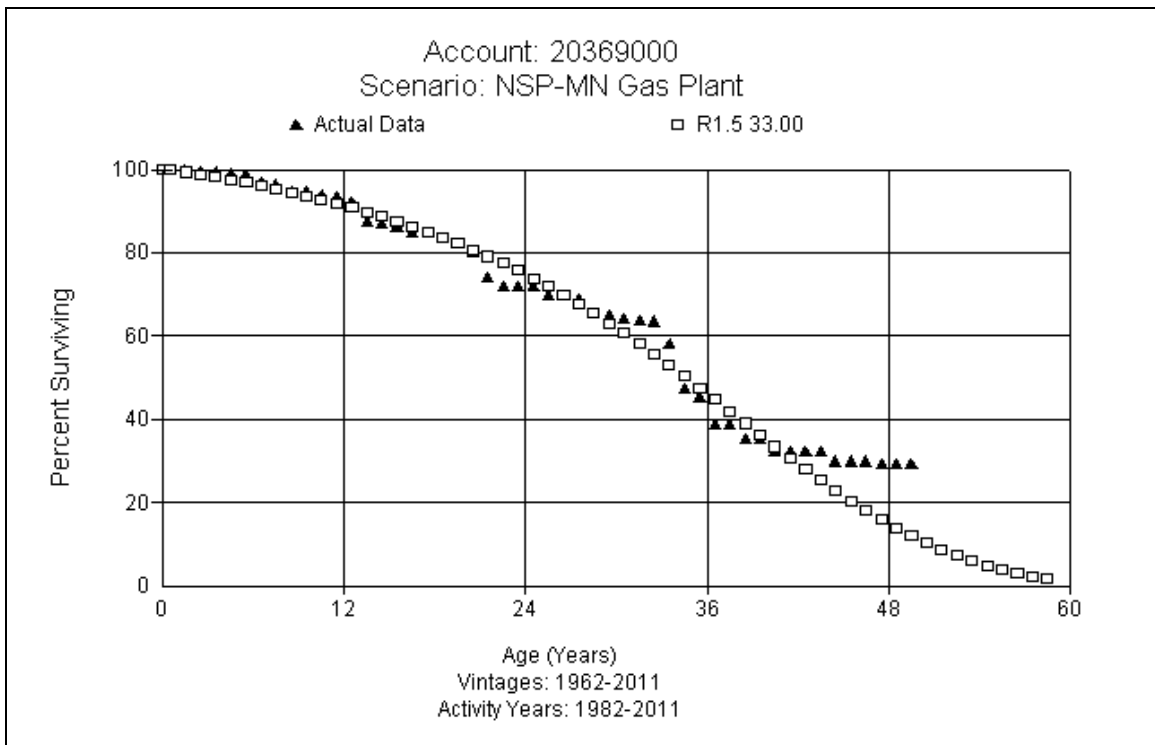
**FERC Account 367 Transmission Mains (proposed 75 year life with a R2.5 dispersion curve)**

This account includes the cost of transmission system mains including excavation costs, pipe, valves, and other equipment. The plant balance in this account is \$53.7 million. The current approved life is 45 years with a R1.5 dispersion curve. Based on actuarial analysis and the mix of assets, this study recommends moving to a 75 year life with a R2.5 dispersion curve. A graph of actual data versus the proposed curve is shown below.



### FERC Account 369 Transmission Measure & Regulating Station Equipment (proposed 33 year life with a R1.5 dispersion curve)

This account includes the costs of meters, gauges, and other equipment used to measure or regulate gas in connection with transmission city gate (town border station) operations. The plant balance in this account is \$11.0 million. The current approved life is 31 years with a S0.5 dispersion curve. Measurement equipment is replaced as technology improves – (e.g. from mercury meters, to chart recorders, to electronic flow meters). Life indications across various placement and experience bands show the 33 R1.5 to be a good match. Based on actuarial analysis and the mix of assets, this study recommends moving to a 33 year life with a R1.5 dispersion curve. A graph of actual data versus the proposed curve is shown below.

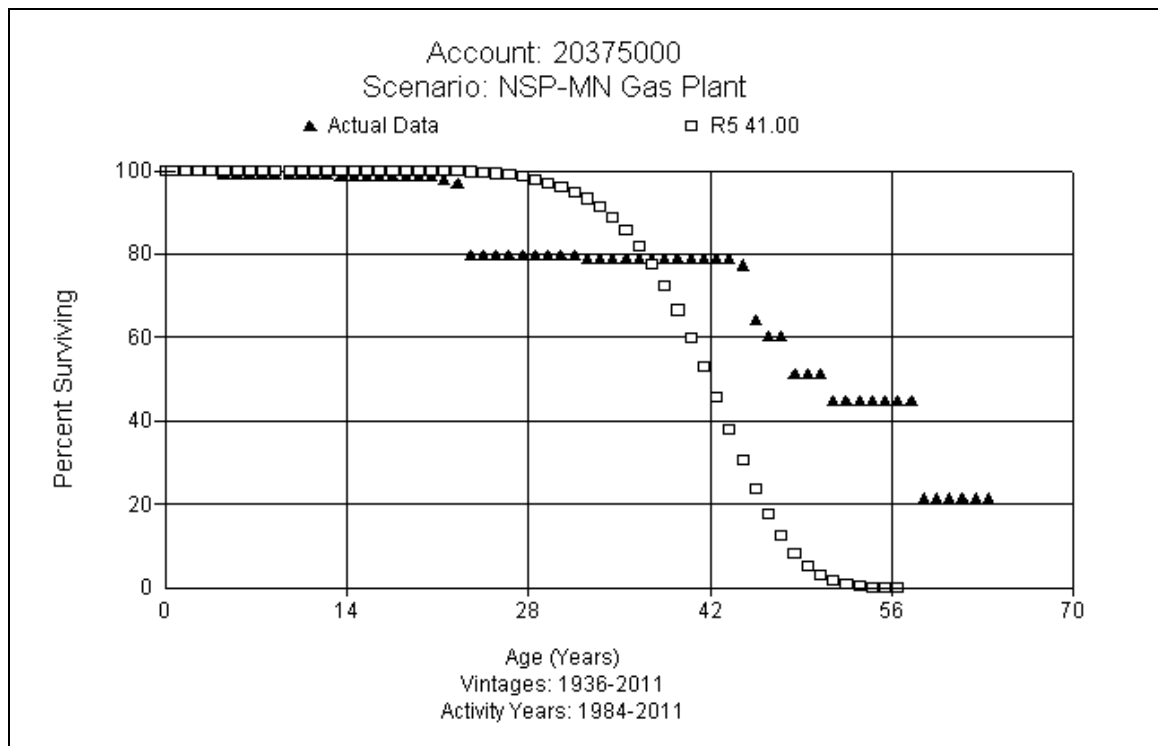


**DISTRIBUTION**

**Distribution Accounts, FERC Accounts 375 - 380**

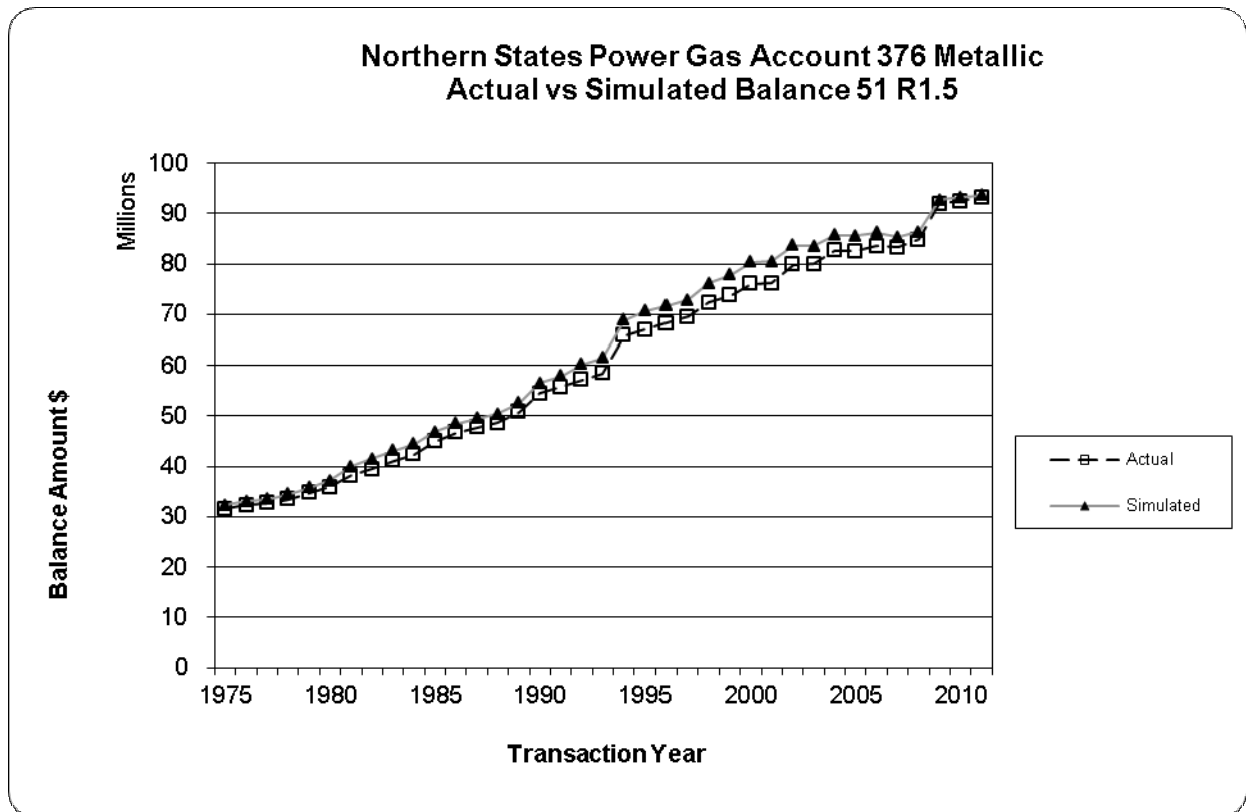
**FERC Account 375 Distribution Structures & Improvements (proposed 41 year life with a R5 dispersion curve)**

This account consists of small structures and improvements to such structures and associated assets at city gates and on the main line distribution system. The current investment is \$132 thousand for North Dakota. The current approved life is a 41 year life with a R5 dispersion curve. A large retirement at approximately age 20 makes modeling the data difficult. Based on judgment and general expectations for structures, this study recommends retention of the existing 41 year life with a R5 dispersion curve for this account. A graph of actual data versus the proposed curve is shown below.



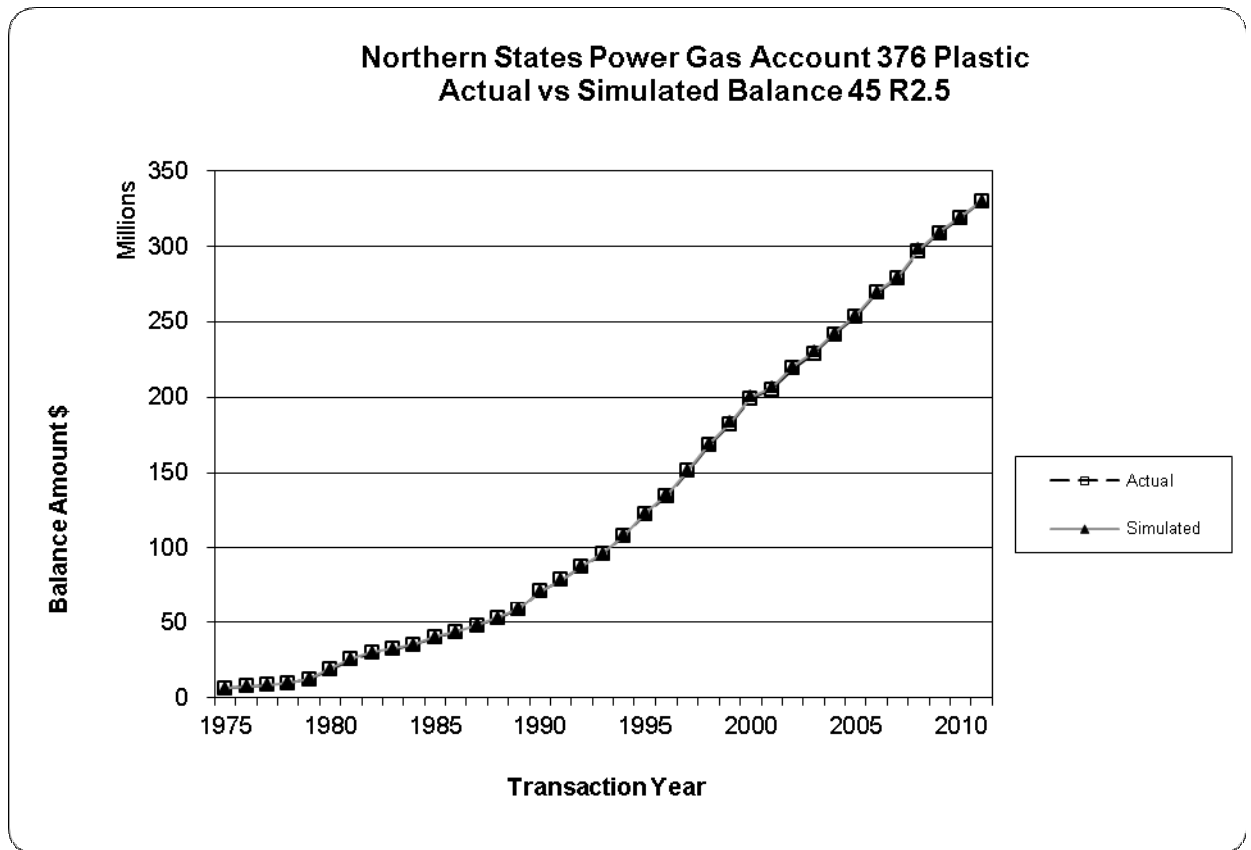
**FERC Account 376 Distribution Mains – Metallic (proposed 51 year life with a R1.5 dispersion curve)**

This account includes all steel mains. The current approved life is 45 years with a R1.5 dispersion curve. The current investment balance for North Dakota is \$12.5 million for this account. Life analysis results are based on total Company data. The average age of facilities is younger than many other utilities driven by growth in the mid to late 1990s. Only mains greater than 8 inches in diameter or over 60 pounds of pressure would be steel. Cast iron mains will be gone by the end of 2012, and the Company is implementing a bare steel replacement program to be completed over the next 3 years. Actuarial data only exists from 2001 forward. SPR analysis shows a longer life in more recent periods. Based on judgment, this study recommends a change to a 51 year life with a R1.5 dispersion curve for this account. A comparison of actual versus simulated balances is shown below for the 51 year life with a R1.5 dispersion curve.



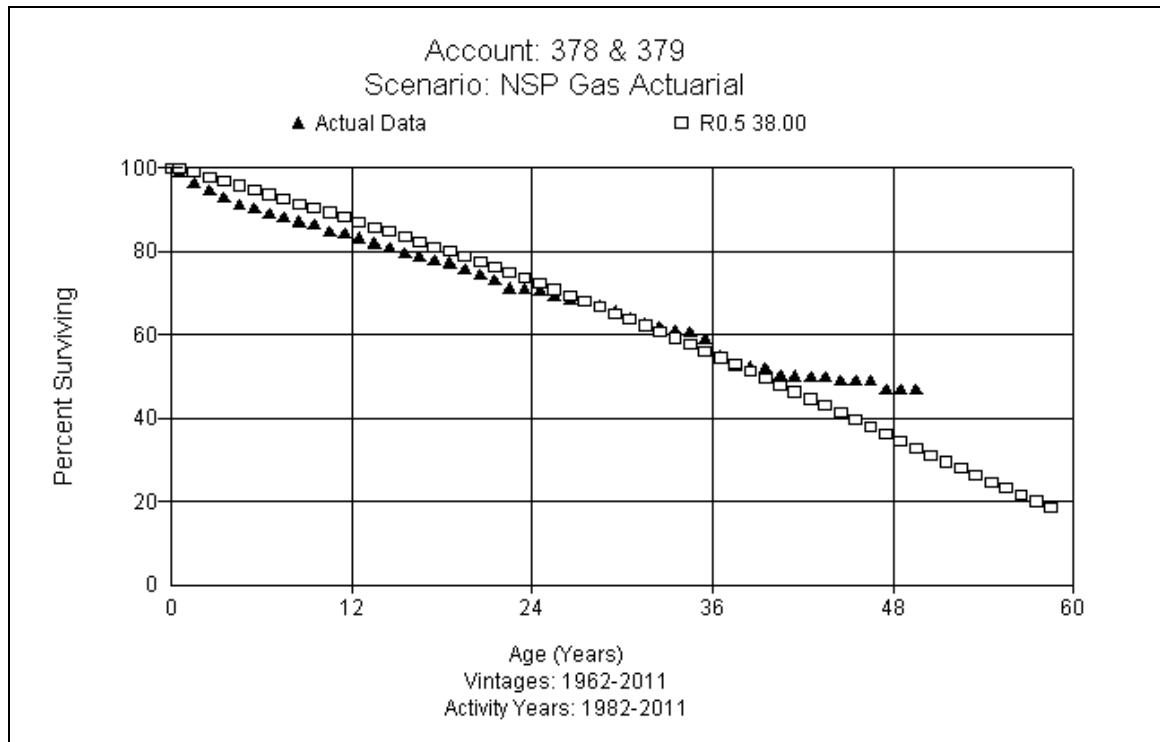
**FERC Account 376 Distribution Mains – Plastic (proposed 45 year life with a R2.5 dispersion curve)**

This account includes all plastic mains. The current approved life is 45 years with a R3 dispersion curve. The current investment balance for North Dakota is \$28 million for this account. Life analysis results are based on total Company data. Company personnel report that 99% of new distribution mains are plastic. The Company is aggressively replacing pre 1960’s assets, with early 1970’s polyethylene targeted next. Actuarial data only exists from 2001 forward. SPR analysis shows a similar life to the existing approved life. Based on judgment, this study recommends a 45 year life with a R2.5 dispersion curve. A comparison of actual versus simulated balances is shown below for the 45 year life and R2.5 dispersion curve.



**FERC Account 378 Distribution Measure & Regulating Station Equipment – General (proposed 38 year life with a R0.5 dispersion curve)**

This account consists of meters, gauges, and other equipment used in measuring and regulating gas in connection with distribution system operations other than the measurement of gas deliveries city gate and to customers. The current approved life is a 31 year life with a S0.5 dispersion curve. The current investment balance for North Dakota is \$623 thousand for this account. Life analysis results are based on total Company data. Consistent with the last depreciation study, this study combines the assets in Account 378 and 379 due to the similarity between the assets in each account. In the widest bands a 38 year life with a R0.5 dispersion curve is a good match. This study recommends a 38 year life with a R0.5 dispersion curve and a comparison of actual versus simulated balances is shown below for the proposed curve.



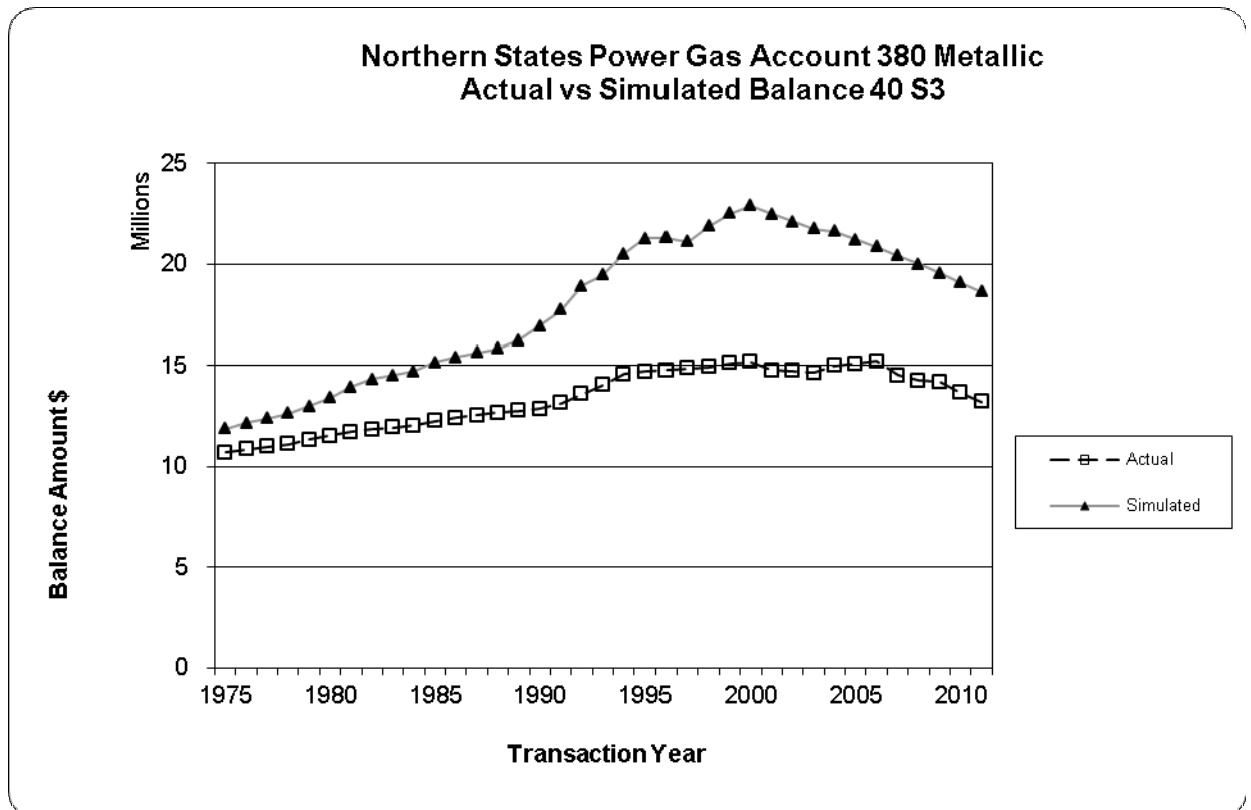
**FERC Account 379 Distribution Measure & Regulating Station Equipment -  
City Gate (proposed 38 year life with a R0.5 dispersion curve)**

This account includes the measuring and regulating devices and other apparatus at city gate stations. There is currently no balance for North Dakota in this account. The current approved life is a 31 year life with a S0.5 dispersion curve.

Consistent with the prior study Account 378 and 379 were combined for life analysis purposes due to the similarity of the assets, similarity of use and expected lives. The resulting recommendation is a 38 year life with a R0.5 dispersion curve for both accounts.

**FERC Account 380 Distribution Services - Metallic (proposed 40 year life with a S3 dispersion curve)**

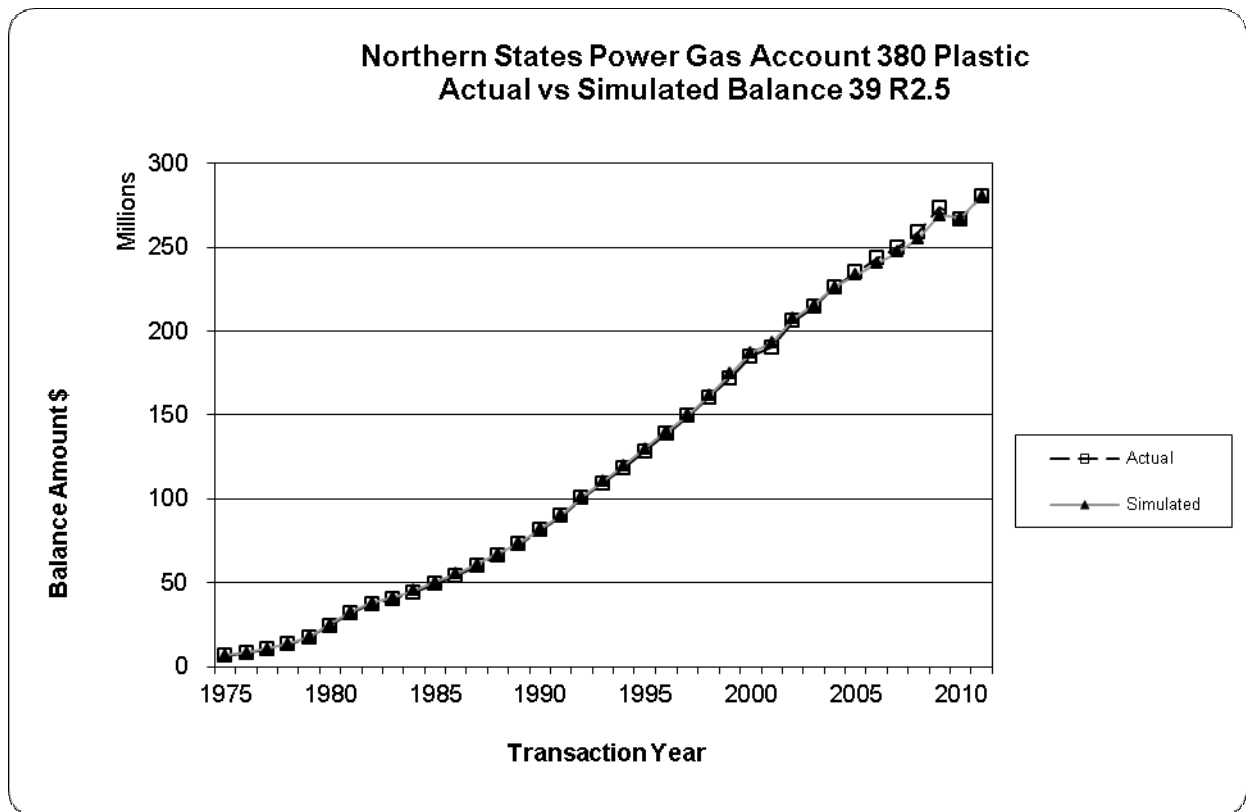
Service lines are the steel pipes and accessories leading from the main to the customers' premises. This account has a current investment of \$1.5 million for North Dakota. The current approved life is 40 years with a S3 dispersion curve. Life analysis results are based on total Company data. Age is the primary driver of retirement of services. In a renewal area (road or otherwise), the practice is to renew all services when mains are renewed. Normal processes also trigger replacements (e.g. leak issues or compression coupled). Since actuarial data exists only for 2001 forward, this account was analyzed using SPR. Life analysis results show a much shorter life for this account than is currently approved. Since processes are in place to improve life expectations in this account, this study recommends retaining the 40 year life and S3 dispersion curve for this account. A comparison of actual versus simulated balances is shown below for the 40 S3 curve.



**FERC Account 380 Distribution Services - Plastic (proposed 39 year life with a**

**R2.5 dispersion curve)**

Service lines are the plastic pipes and accessories leading from the main to the customers' premises. This account has a current investment of \$30 million for North Dakota. Life analysis results are based on total Company data. The current approved life is 40 R3. Since actuarial data exists only for 2001 forward, this account was analyzed using SPR. Life analysis results show a similar life to the existing approved life for this account. This study recommends moving to a 39 year life with a R2.5 dispersion curve for this account. A comparison of actual versus simulated is shown for the proposed 39 year life and R2.5 dispersion curve.



## **GENERAL**

### **General Accounts, FERC Accounts 390**

#### **FERC Account 390 General Structures & Improvements (proposed 55 year life with a R1.5 dispersion curve)**

This account includes the cost of general structures and improvements used for utility service. The current investment balance is \$1.9 million. The current approved life is 45 years with a R1 dispersion curve. There is insufficient data to analyze this account. Based on the results for Common Account 390 which will be discussed later, this study proposes a 55 year life with a R1.5 dispersion curve for this account.

No curve is shown.

## **GAS VINTAGE GROUP (AMORTIZED) ACCOUNTS**

### **GAS DISTRIBUTION**

#### **Account 381 Distribution Meters (proposed 20 year life with a SQ dispersion curve)**

This account includes the cost of meters and house regulators installed after 1994. The current investment is \$6.2 million for North Dakota. However, \$0.5 million is considered fully accrued and results in an adjusted study balance of \$5.7 million. The current approved life of 20 years and SQ dispersion curve should be retained.

#### **Account 381 Distribution Meters - Telemetry (proposed 8 year life with a SQ dispersion curve)**

This account includes the cost of telemetry assets. The current investment is \$1 thousand for North Dakota. However, \$1 thousand is considered fully accrued and results in an adjusted study balance of zero. The current approved life of 8 years and a SQ dispersion curve should be retained. This analysis is for any future investment in this account.

#### **Account 383 Distribution House Regulators (proposed 20 year life with a SQ dispersion curve)**

This account includes the cost of house regulators installed before 1995 that were not combined with the meter account. There is currently no balance in this account for North Dakota. The current approved life of 20 years and a SQ dispersion curve should be retained. This analysis is for any future investment in this account.

### GENERAL PLANT VINTAGE GROUP (AMORTIZED) ACCOUNTS

The same life parameters used for electric plant are proposed for amortized gas plant due to the similar operations and policies. The table below summarizes recommendations and plant balances by account.

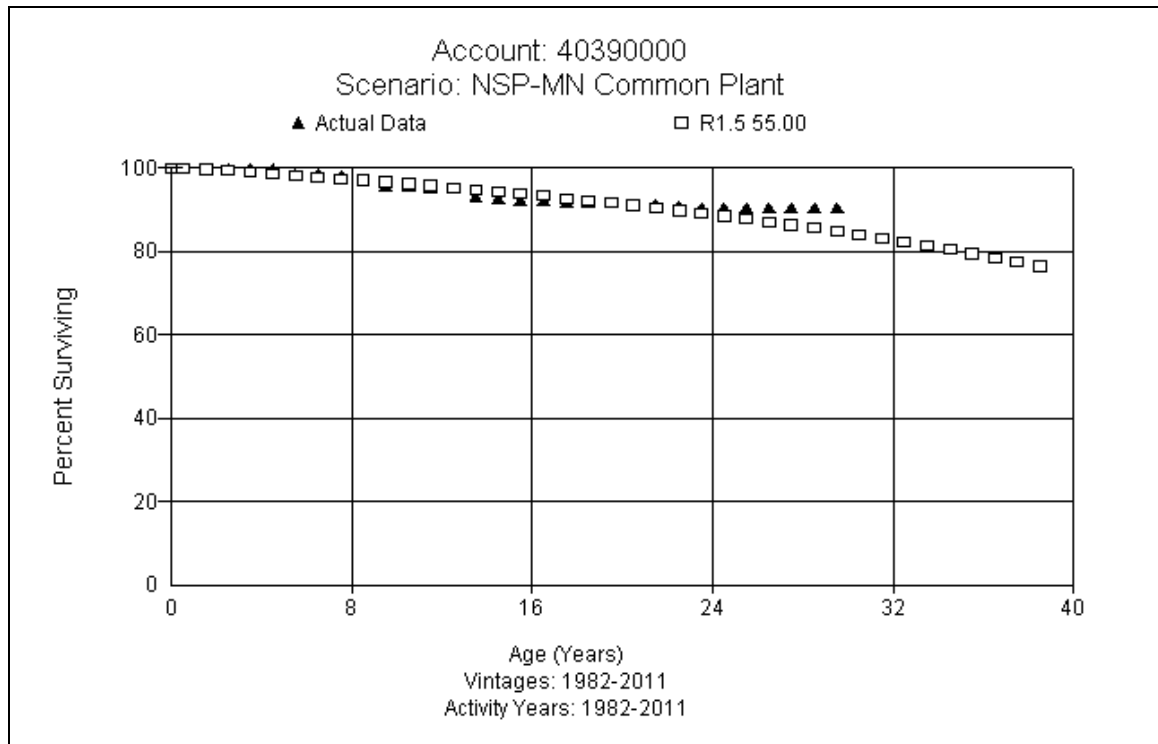
Acct	Description	Plant \$ x 000	Fully Accrued \$ x 000	Adjusted \$ x 000	Current Life	Proposed Life
Intangible						
303	Computer Software - 5 Year	4,994.9	1,332.6	3,662.3	5	5
General Plant						
391	Office Furniture & Equipment	877.9	0.0	877.9	18	20
391	Network Equipment	37.6	0.0	37.6	4	4
392	Transportation Equipment - Automobiles	83.7	0.0	83.7	5	10
392	Transportation Equipment - Light Trucks	3,556.5	0.0	3,556.5	10	12
392	Transportation Equipment - Trailers	661.4	0.0	661.4	10	15
392	Transportation Equipment - Heavy Trucks	4,827.3	0.0	4,827.3	12	14
393	Stores Equipment	10.1	0.0	10.1	20	20
394	Tools, Shop & Garage Equipment	4,305.8	0.0	4,305.8	15	15
395	Laboratory Equipment	0.0	0.0	0.0	10	10
396	Power Operated Equipment	1,132.3	585.0	547.3	10	12
397	Communication Equipment	12,618.8	25.1	12,593.7	9	9
397	Communication Equipment - AES	5,634.7	0.0	5,634.7	15	15
397	Communication Equipment - EMS	4,166.2	0.0	4,166.2	15	15
398	Miscellaneous Equipment	89.2	20.2	69.0	15	15

## COMMON UTILITY PLANT DEPRECIATED ACCOUNTS

### General Accounts, FERC Accounts 390

### FERC Account 390 General Structures & Improvements (proposed 55 year life with a R1.5 dispersion curve)

This account includes the cost of general structures and improvements used for utility service. There is approximately \$115.7 million in this account. The approved life for this account is 45 years and a R1 dispersion curve. Based on actuarial analysis, this study recommends moving to a 55 year life with a R1.5 dispersion curve.



**FERC Account 390 General Structures & Improvements - Leased (proposed 10 life with a SQ dispersion curve)**

This account includes the cost of leasehold improvements used for utility service. There is approximately \$1.2 million in this account for one property where the lease is set to expire June 2016. The approved life for this account is 9.5 years with a SQ dispersion curve. Based on type of assets this study recommends a 10 year life with a SQ dispersion curve. However, if the lease term changes the asset life should change accordingly.

### GENERAL PLANT VINTAGE GROUP (AMORTIZED) ACCOUNTS

The same life parameters used for electric and gas plant are proposed for amortized common plant due to the similar operations and policies. The table below summarizes recommendations and plant balances by account.

Acct	Description	Plant \$ x 000	Fully Accrued \$ x 000	Adjusted \$ x 000	Current Life	Proposed Life
<b>Intangible</b>						
303	Computer Software - 3 Year	11,905.8	11,905.8	0.0	3	3
303	Computer Software - 5 Year	135,278.8	71,891.9	63,386.9	5	5
303	Computer Software - 7 Year	70,726.4	62,397.5	8,328.9	7	7
303	Computer Software - 10 Year	20,801.6	20,517.4	284.2	10	10
<b>General Plant</b>						
391	Office Furniture & Equipment	31,508.6	8,111.0	23,397.6	18	20
391	Network Equipment	45,809.4	18,520.5	27,288.9	4	4
392	Transportation Equipment - Automobiles	319.1	0.0	319.1	5	10
392	Transportation Equipment - Light Trucks	4,350.6	0.0	4,350.6	10	12
392	Transportation Equipment - Trailers	1,125.7	0.0	1,125.7	10	15
392	Transportation Equipment - Heavy Trucks	4,426.0	0.0	4,426.0	12	14
393	Stores Equipment	73.7	64.5	9.2	20	20
394	Tools, Shop & Garage Equipment	2,419.9	246.0	2,173.9	15	15
395	Laboratory Equipment	36.7	0.0	36.7	10	10
396	Power Operated Equipment	712.0	5.0	707.0	10	12
397	Communication Equipment	1,499.8	132.3	1,367.5	9	9
397	Communication Equipment - Two Way	3,926.4	188.0	3,738.4	9	9
398	Miscellaneous Equipment	917.3	105.6	811.7	15	15

## **Salvage Analysis**

When a capital asset is retired, physically removed from service and finally disposed of, terminal retirement is said to have occurred. The residual value of a terminal retirement is called gross salvage. Net salvage is the difference between the gross salvage (what the asset was sold for) and the removal cost (cost to remove and dispose of the asset). Salvage and removal cost percentages are calculated by dividing the current cost of salvage or removal by the original installed cost of the asset. Some plant assets can experience significant negative removal cost percentages due to the timing of the original addition versus the retirement.

The net salvage analysis uses the history of the individual accounts to estimate the future net salvage that Northern States Power Company – North Dakota can expect in its operations. This study also removes reimbursements for relocations that may have been booked to gross salvage. Any associated retirements are also removed from the data for consistency. As a result, the analysis not only looks at the historical experience of Northern States Power Company – North Dakota, but also takes into account recent and expected changes in operations that could reasonably lead to different future expectations for net salvage than were experienced in the past.

## **Salvage Characteristics**

For most accounts, data for retirements, gross salvage, and cost of removal for each account is available from 1950-2011. Some accounts have shorter periods with available data. Moving averages, which remove timing differences between retirement and salvage and removal cost, were analyzed over periods varying from two to 10 years.

## **ELECTRIC PLANT**

### **TRANSMISSION**

#### **Transmission Accounts, FERC Accounts 352-358**

#### **FERC Account 352 Transmission Structures & Improvements (proposed 0 percent net salvage)**

This account consists of any gross salvage and cost of removal associated transmission structures and improvements which include buildings, fencing and other structures found in a transmission substation. The approved net salvage for this account is 0 percent. The most recent moving averages show negative net salvage for years 1 through 8. Without a clear trend, retention of 0 percent net salvage for this account is recommended.

#### **FERC Account 353 Transmission Station Equipment (proposed -10 percent net salvage)**

This account consists of any gross salvage and cost of removal associated with transmission substation equipment, from circuit breakers to switchgear. The approved net salvage for this account is 0 percent. The most recent 5 and 10 year moving averages show negative 24.20 percent and negative 18.04 percent net salvage respectively. Moving in the direction of that trend, negative 10 percent net salvage for this account is recommended.

#### **FERC Account 354 Transmission Towers & Fixtures (proposed -35 percent net salvage)**

This account consists of any gross salvage and cost of removal associated with transmission towers and fixtures, which are used to transmit electricity at a voltage of 69 kV and above. The approved net salvage for this account is negative 25 percent. The most recent 5 and 10 year moving averages show negative 72.13 percent and negative 68.81 percent net salvage respectively. Moving in the direction of that trend, negative 35 percent net salvage for this account is

recommended.

**FERC Account 355 Transmission Poles & Fixtures (proposed -35 percent net salvage)**

This account consists of any gross salvage and cost of removal associated with transmission poles and fixtures, which are used to transmit electricity at a voltage of 69 kV and above. The approved net salvage for this account is negative 10 percent. The most recent 5 and 10 year moving averages show negative 101.92 percent and negative 101.02 percent net salvage respectively. Moving in the direction of that trend, negative 35 percent net salvage for this account is recommended.

**FERC Account 356 Transmission Overhead Conductor & Devices (proposed - 30 percent net salvage)**

This account consists of any gross salvage and cost of removal associated with Transmission overhead conductors, which are used to transmit electricity at voltages of 69 kV and above. The approved net salvage for this account is negative 30 percent. The most recent 5 and 10 year moving averages show negative 27.22 percent and negative 33.19 percent net salvage respectively. Moving in the direction of that trend, negative 30 percent net salvage for this account is recommended.

**FERC Account 357 Transmission Underground Conduit (proposed 0 percent net salvage)**

This account consists of any gross salvage and cost of removal associated with underground conduit. The approved net salvage for this account is 0 percent. The most recent 5 and 10 year moving averages show 0 percent for both periods. Based on Company experience, retention of 0 percent net salvage for this account is recommended.

**FERC Account 358 Transmission Underground Conductor & Devices  
(proposed 0 percent net salvage)**

This account consists of any gross salvage and cost of removal associated with underground conductor. The lines are low pressure oil filled; paper wrapped 500 MCM copper cable. The approved net salvage for this account is 0 percent. Data is limited for this account. The most recent 5 and 10 year moving averages show negative 12.27 percent and negative 12.40 percent net salvage respectively. Since data is limited for this account, retention of 0 percent net salvage for this account is recommended.

**DISTRIBUTION**

**Distribution Accounts, FERC Accounts 361 - 373**

**FERC Account 361 Distribution Structures & Improvements (proposed -30 percent net salvage)**

This account contains any gross salvage and cost of removal associated with facilities ranging from fencing to other structures found in distribution substations. The approved net salvage for this account is negative 30 percent. The most recent 5 and 10 year moving averages show negative 109.88 percent and negative 70.61 percent net salvage respectively. Since retirement data is sporadic for this account, retention of negative 30 percent net salvage for this account is recommended.

**FERC Account 362 Distribution Station Equipment (proposed -20 percent net salvage)**

This account contains any gross salvage and cost of removal associated with a wide variety of distribution substation equipment, from circuit breakers to switchgear. The approved net salvage for this account is negative 10 percent. The most recent 5 and 10 year moving averages show negative 26.61 percent and negative 24.54 percent net salvage respectively. Moving in the direction of that trend, negative 20 percent net salvage for this account is recommended.

**FERC Account 364 Distribution Poles, Towers & Fixtures (proposed -100 percent net salvage)**

This account contains any gross salvage and cost of removal associated with poles and towers of various material types: wood and steel. The approved net salvage for this account is negative 90 percent. The most recent 5 and 10 year moving averages show negative 233.77 percent and negative 151.15 percent net salvage respectively. Moving in the direction of that trend, negative 100 percent net salvage for this account is recommended.

**FERC Account 365 Distribution Overhead Conductor & Devices (proposed -20 percent net salvage)**

This account consists of any gross salvage and cost of removal associated with overhead conductor of various thickness, as well as various switches and reclosers. The approved net salvage for this account is negative 30 percent. The most recent 5 and 10 year moving averages show negative 22.46 percent and negative 22.63 percent net salvage respectively. Moving in the direction of that trend, negative 20 percent net salvage for this account is recommended.

**FERC Account 366 Distribution Underground Conduit (proposed -10 percent net salvage)**

This account consists of any gross salvage and cost of removal associated with conduit, duct banks, vaults, manholes, and ventilating system equipment. The approved net salvage for this account is 0 percent. The most recent 5 and 10 year moving averages show negative 36.13 percent and negative 40.01 percent net salvage respectively. Moving in the direction of that trend, negative 10 percent net salvage for this account is recommended.

**FERC Account 367 Distribution Underground Conductor & Devices (proposed 0 percent net salvage)**

This account consists of any gross salvage and cost of removal associated

with underground distribution conductor, switches, and switchgear. The approved net salvage for this account is positive 20 percent. The most recent 5 and 10 year moving averages show negative 7.61 percent and negative 6.98 percent net salvage respectively. Moving in the direction of that trend, a 0 percent net salvage for this account is recommended.

**FERC Account 369 Distribution Services – Overhead (proposed -70 percent net salvage)**

This account includes any gross salvage or cost of removal associated with overhead services. The approved net salvage for this account is negative 35 percent. The last depreciation study combined data for overhead and underground services, whereas this study separates the two. The most recent 5 and 10 year moving averages show negative 109.31 percent and negative 99.27 percent net salvage respectively. Moving in the direction of that trend, negative 70 percent net salvage for this account is recommended.

**FERC Account 369 Distribution Services – Underground (proposed -5 percent net salvage)**

This account includes any gross salvage and cost of removal associated with underground services. The approved net salvage for this account is negative 35 percent. The last study combined data for overhead and underground services, whereas this study separates the two. The most recent 5 and 10 year moving averages show negative 3.34 percent and negative 4.65 percent net salvage respectively. Moving in the direction of that trend, negative 5 percent net salvage for this account is recommended.

**FERC Account 373 Distribution Street Lighting & Signal Systems (proposed -35 percent net salvage)**

This account includes any gross salvage and cost of removal associated with distribution streetlights, conductor, conduit, luminaire, and standards. The approved

net salvage for this account is negative 20 percent. The most recent 5 and 10 year moving averages show negative 93.47 percent and negative 37.28 percent net salvage respectively. Moving in the direction of that trend, negative 35 percent net salvage for this account is recommended.

## **GENERAL**

### **General Accounts, FERC Accounts 390**

#### **FERC Account 390 General Structures & Improvements (proposed -20 percent net salvage)**

This account includes any gross salvage and cost of removal associated with cost of general structures and improvements used for utility service. The approved net salvage for this account is 0 percent. The most recent 5 and 10 year moving averages show negative 49.96 percent and negative 49.20 percent net salvage respectively. Moving in the direction of that trend, negative 20 percent net salvage for this account is recommended.

## **ELECTRIC VINTAGE GROUP (AMORTIZED) ACCOUNTS**

### **DISTRIBUTION**

#### **FERC Account 368 Distribution Line Transformers (proposed -5 percent net salvage)**

This account consists of any gross salvage and cost of removal associated with line transformers and regulators. The approved net salvage for this account is positive 10 percent. The most recent 5 year moving averages shows negative 8.42 and negative 3.63 percent respectively. Moving in the direction of that trend, negative 5 percent net salvage for this account is recommended.

#### **FERC Account 368 Distribution Line Capacitors (-10 percent net salvage)**

This account consists of line capacitors. The approved net salvage for this account is 0 percent. The most recent 5 and 10 year moving averages show

negative 10.47 percent and negative 12.61 percent net salvage respectively. Moving in the direction of that trend, negative 10 percent net salvage for this account is recommended.

**FERC Account 370 Distribution Meters (proposed 0 percent net salvage)**

This account includes any gross salvage and cost of removal associated with new distribution meters. The approved net salvage for this account is 0 percent. The most recent 5 and 10 year moving averages show negative 20.74 percent and negative 4.74 percent net salvage respectively. Since the data is limited, retention of 0 percent net salvage for this account is recommended.

**FERC Account 370 Distribution Meters – Old (proposed 0 percent net salvage)**

This account includes any gross salvage and cost of removal associated with all old distribution meters. The approved net salvage for this account is 0 percent. Limited data shows 0 percent net salvage for this account. Thus, retention of 0 percent net salvage for this account is recommended.

## **GENERAL PLANT VINTAGE GROUP (AMORTIZED) ACCOUNTS**

### **FERC Account 303 Intangible Computer Software – 5 year (proposed 0 percent net salvage)**

This account consists of any gross salvage and cost of removal associated with miscellaneous computer software. The approved net salvage for this account is 0 percent. The most recent 5 and 10 year moving averages show 0 percent net salvage. Based on history and judgment, retention of 0 percent net salvage for this account is recommended.

### **FERC Account 391 General Office Furniture & Equipment (proposed 0 percent net salvage)**

This account consists of any gross salvage and cost of removal associated with miscellaneous office furniture such as desks, chairs, filing cabinets, and tables used for general utility service. The approved net salvage for this account is 0 percent. The most recent 5 and 10 year moving average shows 0 percent net salvage for both periods. Based on history and judgment, retention of 0 percent net salvage for this account is recommended.

### **FERC Account 391 General Network Equipment (proposed 0 percent net salvage)**

This account consists of any gross salvage and cost of removal associated with computer equipment used for general utility service. The approved net salvage for this account is 0 percent. The most recent 5 and 10 year moving average shows 0 percent net salvage for both periods. Based on history and judgment, retention of 0 percent net salvage for this account is recommended.

### **FERC Account 392 General Transportation Equipment - Automobiles (proposed 0 percent net salvage)**

This account consists of any gross salvage and cost of removal associated with automobiles used for general utility service. The approved net salvage for this

account is positive 10 percent. There is no recent retirement data. Based on the Company's policy of applying any proceeds for transportation assets to the new addition, 0 percent net salvage for this account is recommended.

**FERC Account 392 General Transportation Equipment - Light Trucks (proposed 0 percent net salvage)**

This account consists of any gross salvage and cost of removal associated with light trucks used for general utility service. The approved net salvage for this account is positive 10 percent. There is limited retirement data. Based on the Company's policy of applying any proceeds for transportation assets to the new addition, 0 percent net salvage for this account is recommended.

**FERC Account 392 General Transportation Equipment - Trailers (proposed 0 percent net salvage)**

This account consists of any gross salvage and cost of removal associated with trailers used for general utility service. The approved net salvage for this account is positive 10 percent. The most recent 5 and 10 year moving averages show negative 0.01 percent and positive 0.25 per cent net salvage respectively. Based on history and judgment, 0 percent net salvage for this account is recommended.

**FERC Account 392 General Transportation Equipment - Heavy Trucks (proposed 0 percent net salvage)**

This account consists of any gross salvage and cost of removal associated with heavy trucks used for general utility service. The approved net salvage for this account is positive 5 percent. The most recent 10 year moving averages shows negative 0.02 percent net salvage. Based on history and judgment, 0 percent net salvage for this account is recommended.

**FERC Account 393 General Stores Equipment (proposed 0 percent net salvage)**

This account consists of any gross salvage and cost of removal associated with stores equipment used for general utility service. The approved net salvage for this account is 0 percent. The most recent 5 and 10 year moving averages show 0 percent net salvage for both periods. Based on history and judgment, retention of 0 percent net salvage for this account is recommended.

**FERC Account 394 General Tools, Shop & Garage Equipment (proposed 0 percent net salvage)**

This account consists of any gross salvage and cost of removal associated with various items or tools used in shop and garages such as air compressors, grinders, mixers, hoists, and cranes. The approved net salvage for this account is 0 percent. The most recent 5 and 10 year moving averages show negative 0.07 percent and negative 0.05 percent net salvage respectively. Based on history and judgment, retention of 0 percent net salvage for this account is recommended.

**FERC Account 395 General Laboratory Equipment (proposed 0 percent net salvage)**

This account consists of any gross salvage and cost of removal associated with laboratory equipment used in general utility service. The approved net salvage for this account is 0 percent. The most recent 5 and 10 year moving averages show 0 percent net salvage. Based on history and judgment, retention of 0 percent net salvage is recommended for this account.

**FERC Account 396 General Power Operated Equipment (proposed 0 percent net salvage)**

This account consists of any gross salvage and cost of removal associated with bulldozers, forklifts, trenchers, and other power operated equipment that cannot be licensed on roadways. The approved net salvage for this account is positive 10

percent. The most recent 5 and 10 year moving averages show 0 percent net salvage. Based on history and judgment, 0 percent net salvage for this account is recommended.

**FERC Account 397 General Communication Equipment (proposed 0 percent net salvage)**

This account consists of any gross salvage and cost of removal associated with miscellaneous communication equipment used in general utility service. The approved net salvage for this account is 0 percent. The most recent 5 and 10 year moving averages show negative 0.91 percent and negative 0.06 percent net salvage respectively. Following that trend, retention of 0 percent net salvage for this account is recommended.

**FERC Account 397 General Communication Equipment – Two Way (0 percent net salvage)**

This account consists of any gross salvage and cost of removal associated with miscellaneous two way communication equipment used in general utility service. The approved net salvage for this account is 0 percent. Based on experience with the other 397 accounts, retention of 0 percent net salvage for this account is recommended.

**FERC Account 397 General Communication Equipment – AES (proposed 0 percent net salvage)**

This account consists of any gross salvage and cost of removal associated with miscellaneous AES including electronic or automated meter reading communication equipment used in general utility service. The approved net salvage for this account is 0 percent. No data for this subaccount exists. Based on experience with the other 397 accounts, retention of 0 percent net salvage for this account is recommended.

**FERC Account 397 General Communication Equipment – EMS (proposed 0 percent net salvage)**

This account consists of any gross salvage and cost of removal associated with energy management system (EMS) communication equipment used for energy monitoring and controlling equipment to manage general utility service. The approved net salvage for this account is 0 percent. No data for this subaccount exists. Based on experience with the other 397 accounts and the characteristics of the assets in this account, retention of 0 percent net salvage for this account is recommended.

**FERC Account 398 General Miscellaneous Equipment (proposed 0 percent net salvage)**

This account consists of any gross salvage and cost of removal associated with miscellaneous equipment used in general utility service. The approved net salvage for this account is 0 percent. The most recent 5 and 10 year moving averages show 0 percent net salvage for both periods. Based on history and judgment, retention of 0 percent net salvage for this account is recommended.

## **GAS DEPRECIATED PLANT**

### **TRANSMISSION**

#### **Transmission Accounts, FERC Accounts 366 - 369**

#### **FERC Account 366 Transmission Structures & Improvements (proposed -5 percent net salvage)**

This account includes any gross salvage and cost of removal associated with structures and improvements used in conjunction with transmission operations such as buildings, fences, or other structures. The approved net salvage for this account is 0 percent. Recent retirement activity shows negative net salvage. The most recent 10 year moving average is negative 10.81 percent. Moving in the direction of that trend, negative 5 percent net salvage for this account is recommended.

#### **FERC Account 367 Transmission Mains (proposed -15 percent net salvage)**

This account includes any gross salvage and cost of removal associated with the costs of transmission system mains including excavation costs, pipe, valves, and other equipment. The approved net salvage for this account is negative 30 percent. The most recent 5 and 10 year moving averages show negative 23.31 percent and negative 16.05 percent net salvage respectively. Moving in the direction of that trend, negative 15 percent net salvage for this account is recommended.

#### **FERC Account 369 Transmission Measure & Regulating Station Equipment (proposed -30 percent net salvage)**

This account includes any gross salvage and cost of removal associated with the costs of meters, gauges, and other equipment used to measure or regulate gas in connection with transmission city gate (town border station) operations. The approved net salvage for this account is negative 25 percent. The most recent 5 and 10 year moving averages show negative 38.73 percent and negative 44.35 percent net salvage respectively. Moving in the direction of that trend, negative 30 percent net salvage for this account is recommended.

## **DISTRIBUTION**

### **Distribution Accounts, FERC Accounts 375 - 380**

#### **FERC Account 375 Distribution Structures & Improvements (proposed 0 percent net salvage)**

This account includes any gross salvage and cost of removal associated with small structures and improvements to such structures and associated assets at city gates and on the main line distribution system. The approved net salvage for this account is 0 percent. Data is limited for this account. The most recent 10 year moving averages shows 0 percent net salvage. Based on net salvage analysis, retention of 0 percent net salvage for this account is recommended.

#### **FERC Account 376 Distribution Mains – Metallic (proposed - 20 percent net salvage)**

This account includes any gross salvage and cost of removal associated with all steel mains. The approved net salvage for this account is negative 30 percent. The most recent 5 and 10 year moving averages show negative 29.63 percent and negative 17.22 percent net salvage respectively. Moving in the direction of that trend, negative 20 percent net salvage for this account is recommended.

#### **FERC Account 376 Distribution Mains – Plastic (proposed -15 percent net salvage)**

This account includes any gross salvage and cost of removal associated with all plastic mains. The approved net salvage for this account is negative 15 percent. The most recent 5 and 10 year moving averages show negative 18.98 percent and negative 14.14 percent net salvage respectively. Moving in the direction of that trend, retention of negative 15 percent net salvage for this account is recommended.

**FERC Account 378 Distribution Measure & Regulating Station Equipment – General (proposed -25 percent net salvage)**

This account consists of any gross salvage and cost of removal associated with meters, gauges, and other equipment used in measuring and regulating gas in connection with distribution system operations other than the measurement of gas deliveries city gate and to customers. The approved net salvage for this account is negative 25 percent. The most recent 5 and 10 year moving averages show negative 66.21 percent and negative 77.46 percent net salvage respectively. Since data is limited in this account, retention of negative 25 percent net salvage for this account is recommended.

**FERC Account 379 Distribution Measure & Regulating Station Equipment - City Gate (proposed -2 percent net salvage)**

This account consists of any gross salvage and cost of removal associated with measuring and regulating devices and other apparatus at city gate stations. The approved net salvage for this account is negative 25 percent. The most recent 5 and 10 year moving averages show negative 10.34 percent and negative 2.06 percent net salvage respectively. Moving in the direction of that trend, negative 2 percent net salvage for this account is recommended.

**FERC Account 380 Distribution Services - Metallic (proposed -40 percent net salvage)**

Service lines are the steel pipes and accessories leading from the main to the customers' premises. The approved net salvage for this account is negative 30 percent. The most recent 5 and 10 year moving averages show negative 47.83 percent and negative 47.82 percent net salvage respectively. Moving in the direction of that trend, negative 40 percent net salvage for this account is recommended.

**FERC Account 380 Distribution Services - Plastic (-30 percent net salvage)**

Service lines are the plastic pipes and accessories leading from the main to the customers' premises. The approved net salvage for this account is negative 30 percent. The most recent 5 and 10 year moving averages show negative 30.28 percent and negative 30.17 percent net salvage respectively. Moving in the direction of that trend, retention of negative 30 percent net salvage for this account is recommended.

**GENERAL**

**General Accounts, FERC Accounts 390**

**FERC Account 390 General Structures & Improvements (proposed -20 percent net salvage)**

This account includes any gross salvage and cost of removal associated with cost of general structures and improvements used for utility service. The approved net salvage for this account is 0 percent. There has been little retirement activity in this account. Based on data for Account 390 Electric and 390 Common, negative 20 percent net salvage for this account is recommended.

## **GAS VINTAGE GROUP (AMORTIZED) ACCOUNTS**

### **GAS DISTRIBUTION**

#### **Account 381 Distribution Meters (proposed -3 percent net salvage)**

This account includes any gross salvage and cost of removal associated with the cost of meters. The approved net salvage for this account is negative 15 percent. The most recent 5 and 10 year moving averages show negative 8.10 percent and negative 3.07 percent net salvage respectively. Moving in the direction of that trend, negative 3 percent net salvage for this account is recommended.

#### **Account 381 Distribution Meters - Telemetry (proposed 0 percent net salvage)**

This account includes any gross salvage and cost of removal associated with the cost of telemetry assets. The approved net salvage for this account is 0 percent. There has been limited retirement experience. Based on data and judgment, retention of 0 percent net salvage for this account is recommended. This analysis is for any future investment in this account. The investment in this account is fully amortized in 2012.

#### **Account 383 Distribution House Regulators (proposed 0 percent net salvage)**

This account includes any gross salvage and cost of removal associated with cost of house regulators. The approved net salvage for this account is negative 10 percent. The most recent 5 and 10 year moving averages show negative 0.47 percent net salvage for both periods. Based on recent history, 0 percent net salvage for this account is recommended.

### GENERAL PLANT VINTAGE GROUP (AMORTIZED) ACCOUNTS

The same net salvage parameters used for electric plant are proposed for amortized gas plant due to the similar operations and policies. The table below summarizes recommendations by account.

### GAS AMORTIZED ACCOUNTS

Acct	Description	Current Net Salvage	Proposed Net Salvage
Intangible			
303	Computer Software - 5 Year	0	0
General Plant			
391	Office Furniture & Equipment	0	0
391	Network Equipment	0	0
392	Transportation Equipment - Automobiles	10	0
392	Transportation Equipment - Light Trucks	10	0
392	Transportation Equipment - Trailers	10	0
392	Transportation Equipment - Heavy Trucks	5	0
393	Stores Equipment	0	0
394	Tools, Shop & Garage Equipment	0	0
395	Laboratory Equipment	0	0
396	Power Operated Equipment	10	0
397	Communication Equipment	0	0
397	Communication Equipment - AES	0	0
397	Communication Equipment - EMS	0	0
398	Miscellaneous Equipment	0	0

## **COMMON UTILITY PLANT DEPRECIATED ACCOUNTS**

### **General Accounts, FERC Account 390**

#### **FERC Account 390 General Structures & Improvements (proposed -20 percent net salvage)**

This account includes any gross salvage or cost of removal associated with the cost of general structures and improvements used for utility service. The approved net salvage for this account is 0 percent. Net salvage data shows negative net salvage in most bands. The most recent 5 and 10 year averages are negative 103.84 and negative 57.66 respectively. To move in the direction indicated by Company data, negative 20 percent net salvage for this account is recommended.

#### **FERC Account 390 General Structures & Improvements – Leased (proposed 0 percent net salvage)**

This account includes any gross salvage or cost of removal associated with the cost of leasehold improvements used for utility service. The approved net salvage for this account is 0 percent. There has been no retirement experience in this account. These assets typically have no net salvage. Based on judgment, retaining 0 percent net salvage for this account is recommended.

### GENERAL PLANT VINTAGE GROUP (AMORTIZED) ACCOUNTS

The same net salvage parameters used for electric and gas plant are proposed for amortized common plant due to the similar operations and policies. The table below summarizes recommendations by account.

#### COMMON AMORTIZED PLANT

Acct	Description	Current Net Salvage	Proposed Net Salvage
Intangible			
303	Computer Software - 3 Year	0	0
303	Computer Software - 5 Year	0	0
303	Computer Software - 7 Year	0	0
303	Computer Software - 10 Year	0	0
General Plant			
391	Office Furniture & Equipment	0	0
391	Network Equipment	0	0
392	Transportation Equipment - Automobiles	10	0
392	Transportation Equipment - Light Trucks	10	0
392	Transportation Equipment - Trailers	10	0
392	Transportation Equipment - Heavy Trucks	5	0
393	Stores Equipment	0	0
394	Tools, Shop & Garage Equipment	0	0
395	Laboratory Equipment	0	0
396	Power Operated Equipment	10	0
397	Communication Equipment	0	0
397	Communication Equipment Two Way	0	0
398	Miscellaneous Equipment	0	0

Northern States Power Company - North Dakota: Transmission, Distribution & General Study

Xcel Energy

2012 Summary of Annual Depreciation Accruals

Average Service Life

Utility Accounts

FERC Account	Company Account	Account Description	Plant Balance 1/1/2012	Depreciation Reserve 1/1/2012	Est. Future Net Salvage		Unaccrued Balance	Remaining Life (Yrs)	Annual Accrual	Depr Rate	Reserve Ratio
					%	Amount					
<b>Electric Utility</b>											
<b>Transmission</b>											
352	10352000	Structures & Improvements	46,878,153	14,727,387	0%	-	32,150,766	52.67	610,440	1.3022%	31.42%
353	10353000	Station Equipment	856,268,539	265,621,329	-10%	(85,626,854)	676,274,063	44.73	15,119,645	1.7658%	31.02%
354	10354000	Towers & Fixtures	113,933,667	88,051,122	-35%	(39,876,783)	65,759,328	41.30	1,592,267	1.3975%	77.28%
355	10355000	Poles & Fixtures	557,866,574	134,275,196	-35%	(195,253,301)	618,844,679	54.12	11,434,327	2.0497%	24.07%
356	10356000	Overhead Conductor & Devices	303,746,575	94,711,627	-30%	(91,123,973)	300,158,921	52.23	5,746,531	1.8919%	31.18%
357	10357000	Underground Conduit	12,146,888	3,587,513	0%	-	8,559,375	57.58	148,663	1.2239%	29.53%
358	10358000	Underground Conductor & Devices	20,992,067	4,906,848	0%	-	16,085,220	45.84	350,902	1.6716%	23.37%
Total Transmission			1,911,832,463	605,881,022		(411,880,911)	1,717,832,352		35,002,775		
<b>Distribution - North Dakota Only</b>											
361	10361000	Structures & Improvements	786,090	445,552	-30%	(235,827)	576,364	31.78	18,135	2.3070%	56.68%
362	10362000	Station Equipment	15,727,345	5,786,316	-20%	(3,145,469)	13,086,498	36.81	355,510	2.2605%	36.79%
364	10364000	Poles, Towers & Fixtures	11,184,118	6,682,812	-100%	(11,184,118)	15,685,424	29.82	526,002	4.7031%	59.75%
365	10365000	Overhead Conductor & Devices	16,921,426	4,167,940	-20%	(3,384,285)	16,137,771	30.37	531,459	3.1407%	24.63%
366	10366000	Underground Conduit	5,528,658	2,450,729	-10%	(552,866)	3,630,795	29.40	123,512	2.2340%	44.33%
367	10367000	Underground Conductor & Devices	44,510,941	12,879,393	0%	-	31,631,548	30.95	1,021,870	2.2958%	28.94%
369	10369010	Services - Overhead	5,120,587	2,950,188	-70%	(3,584,411)	5,754,810	25.38	226,772	4.4286%	57.61%
369	10369020	Services - Underground	7,237,896	3,127,389	-5%	(361,895)	4,472,402	22.80	196,153	2.7101%	43.21%
373	10373000	Street Lighting & Signal Systems	1,795,939	585,179	-35%	(628,579)	1,839,338	21.45	85,751	4.7747%	32.58%
Total Distribution			108,813,000	39,075,499		(23,077,449)	92,814,950		3,085,165		
<b>General</b>											
390	10390000	Structures & Improvements	59,179,857	26,921,569	-20%	(11,835,971)	44,094,259	37.84	1,165,128	1.9688%	45.49%
Total General			59,179,857	26,921,569		(11,835,971)	44,094,259		1,165,128		
Total Electric Utility			2,079,825,320	671,878,090		(446,794,332)	1,854,741,561		39,253,068		

Northern States Power Company - North Dakota: Transmission, Distribution & General Study

Xcel Energy

2011 Summary of Annual Depreciation Accruals

Average Service Life

Utility Accounts

FERC Account	Company Account	Account Description	Plant Balance 1/1/2012	Depreciation Reserve 1/1/2012	Est. Future Net Salvage		Unaccrued Balance	Remaining Life (Yrs)	Annual Accrual	Depr Rate	Reserve Ratio
					%	Amount					
<b>Gas Utility</b>											
<b>Transmission</b>											
366	20366000	Structures & Improvements	1,017,205	639,031	-5%	(50,860)	429,034	33.83	12,683	1.2468%	62.82%
367	20367000	Mains	53,675,877	20,682,288	-15%	(8,051,382)	41,044,971	61.52	667,234	1.2431%	38.53%
369	20369000	Measure & Regulating Station Equipment	10,986,598	6,333,058	-30%	(3,295,979)	7,949,519	25.03	317,662	2.8914%	57.64%
Total Transmission			65,679,681	27,654,378		(11,398,221)	49,423,524		997,579		
<b>Distribution - North Dakota Only</b>											
375	20375000	Structures & Improvements	132,705	76,454	0%	-	56,250	20.90	2,691	2.0277%	57.61%
376	20376010	Mains - Metallic	12,459,791	6,513,395	-20%	(2,491,958)	8,438,355	32.10	262,884	2.1099%	52.28%
376	20376020	Mains - Plastic	27,663,746	9,881,386	-15%	(4,149,562)	21,931,921	33.11	662,416	2.3945%	35.72%
378	20378000	Measure & Regulating Station Equipment - General	623,037	284,757	-25%	(155,759)	494,040	26.18	18,871	3.0289%	45.70%
379	20379000	Measure & Regulating Station Equipment - City Gate	-	-	-2%	-	-	NA	-	0.0000%	0.00%
380	20380010	Services - Metallic	1,546,055	1,907,462	-40%	(618,422)	257,015	9.81	26,202	1.6948%	123.38%
380	20380020	Services - Plastic	30,069,287	12,629,352	-30%	(9,020,786)	26,460,721	28.28	935,654	3.1117%	42.00%
Total Distribution			72,494,621	31,292,806		(16,436,487)	57,638,302		1,908,718		
<b>General</b>											
390	20390000	Structures & Improvements	1,945,425	333,436	-20%	(389,085)	2,001,073	48.03	41,659	2.1414%	17.14%
Total General			1,945,425	333,436		(389,085)	2,001,073		41,659		
Total Gas Utility			140,119,726	59,280,620		(28,223,794)	109,062,900		2,947,956		

Northern States Power Company - North Dakota: Transmission, Distribution & General Study

**Xcel Energy**

2011 Summary of Annual Depreciation Accruals

Average Service Life

**Utility Accounts**

FERC Account	Company Account	Account Description	Plant Balance 1/1/2012	Depreciation Reserve 1/1/2012	Est. Future Net Salvage		Unaccrued Balance	Remaining Life (Yrs)	Annual Accrual	Depr Rate	Reserve Ratio
					%	Amount					
<b>Common Utility</b>											
<b>General</b>											
390	40390000	Structures & Improvements	115,747,921	24,851,017	-20%	(23,149,584)	114,046,488	44.19	2,580,693	2.2296%	21.47%
390	40390007	Structures & Improvements - Leased	1,163,412	476,674	0%	-	686,738	5.50	124,861	10.7324%	40.97%
		Total General	116,911,333	25,327,691		(23,149,584)	114,733,226		2,705,554		
		Total Common Utility	116,911,333	25,327,691		(23,149,584)	114,733,226		2,705,554		
		Total ASL- All Utilities	2,336,856,379	756,486,401		(498,167,709)	2,078,537,687		44,906,579		

Northern States Power Company - North Dakota: Transmission, Distribution & General Study

**Xcel Energy**  
 Computation of Amortization Rate  
 Vintage Group  
 Electric Utility

FERC Account	Company Account	Account Description	Plant Balance 1/1/2012	Depreciation		Est. Future Net Salvage		Unaccrued Balance	Remaining Life (Yrs)	Annual Accrual	Depr Rate	Reserve Ratio
				Reserve 1/1/2012	%	Amount						
<b>Distribution - North Dakota Only</b>												
368	10368000	Line Transformers	11,563,082	7,534,549	-5%	(578,154)	4,606,687	10.58	435,453	3.7659%	65.16%	
368	10368010	Line Capacitors	411,494	170,279	-10%	(41,149)	282,364	14.86	19,008	4.6192%	41.38%	
370	10370010	Meters - Old	177,749	152,425	0%	-	25,324	1.50	16,883	9.4982%	85.75%	
370	10370000	Meters	4,346,566	2,930,176	0%	-	1,416,391	4.09	346,110	7.9628%	67.41%	
Total Electric Vintage Group			16,498,891	10,787,428		(619,303)	6,330,766		817,453			

Northern States Power Company - North Dakota: Transmission, Distribution & General Study

Computation of Amortization Rate  
 Vintage Group  
 Gas Utility

FERC Account	Company Account	Account Description	Plant Balance 1/1/2012	Depreciation		Unaccrued Balance	Remaining Life (Yrs)	Annual Accrual	Depr Rate	Reserve Ratio	
				Reserve 1/1/2012	Est. Future Net Salvage % Amount						
<b>Distribution - North Dakota Only</b>											
381	20381000	Meters	5,701,090	5,355,647	-3%	(171,033)	516,476	3.41	151,670	2.6604%	93.94%
381	20381010	Meters - Telemetry	-	-	0%	-	-	NA	-	0.0000%	NA
383	20383000	House Regulators	-	-	0%	-	-	NA	-	0.0000%	NA
Total Gas Vintage Group			5,701,090	5,355,647		(171,033)	516,476		151,670		

Northern States Power Company  
 Electric Utility - State of North Dakota

Northern States Power Company - North Dakota: Transmission, Distribution & General Study

Computation of Amortization Amount  
 For Amortized Property  
 At January 1, 2012  
 Electric Utility

FERC Account	Description	Plant Balance 1/1/2012	Allocated Reserve 1/1/2012	Theoretical Reserve 1/1/2012	Reserve Difference	Remaining Life	Amortize Reserve Difference
Intangible							
303	Intangible Computer Software - 5 Year	38,001,392	30,151,432	29,734,387	417,044	2.72	(153,536)
	Total Intangible	38,001,392	30,151,432	29,734,387	417,044		(153,536)
General							
391	Office Furniture & Equipment	22,857,009	8,778,503	8,281,594	496,909	12.75	(38,962)
391	Network Equipment	12,149,587	10,029,809	9,873,335	156,474	1.86	(83,935)
392	Transportation Equipment - Automobiles	390,265	94,451	89,105	5,346	7.72	(693)
392	Transportation Equipment - Light Trucks	21,124,664	6,678,708	6,306,261	372,447	8.46	(44,038)
392	Transportation Equipment - Trailers	7,211,534	1,163,591	1,097,725	65,865	12.72	(5,179)
392	Transportation Equipment - Heavy Trucks	41,791,424	10,133,814	9,567,745	566,069	10.83	(52,271)
393	Stores Equipment	1,586,203	810,696	784,931	25,765	13.02	(1,979)
394	Tools, Shop & Garage Equipment	51,659,027	18,884,581	17,844,664	1,039,917	9.92	(104,862)
395	Laboratory Equipment	3,805,496	2,158,117	2,046,333	111,784	4.86	(23,017)
396	Power Operated Equipment	20,725,068	3,968,021	3,743,411	224,611	9.83	(22,844)
397	Communication Equipment	12,763,770	5,058,515	4,804,972	253,542	5.88	(43,129)
397	Communication Equipment - Two Way	252,239	113,028	107,744	5,284	5.59	(945)
397	Communication Equipment - AES	4,962,953	1,448,553	1,366,557	81,996	10.87	(7,543)
397	Communication Equipment - EMS	9,748,526	3,226,532	3,043,893	182,639	10.32	(17,704)
398	Miscellaneous Equipment	2,794,004	1,462,844	1,380,609	82,235	7.62	(10,799)
	Total General	213,821,771	74,009,762	70,338,878	3,670,883		(457,900)
	Total Electric Intangible and General	251,823,163	104,161,193	100,073,266	4,087,927		(611,435)

Excluding Fully Accrued Assets

FERC Account	Description	Plant Balance 1/1/2012	Allocated Reserve 1/1/2012	Amortization Life	Annual Amortization	Accrual For Reserve Difference	Total Amortization	Amortization Rate
Intangible								
303	Intangible Computer Software - 5 Year	15,217,558	7,367,597	5.00	3,043,512	(153,536)	2,889,976	18.9911%
	Total Intangible	15,217,558	7,367,597		3,043,512	(153,536)	2,889,976	
General								
391	Office Furniture & Equipment	22,857,009	8,778,503	20.00	1,142,850	(38,962)	1,103,888	4.8295%
391	Network Equipment	4,884,082	2,764,304	4.00	1,221,021	(83,935)	1,137,085	23.2815%
392	Transportation Equipment - Automobiles	390,265	94,451	10.00	39,027	(693)	38,334	9.8225%
392	Transportation Equipment - Light Trucks	21,025,679	6,579,723	12.00	1,752,140	(44,038)	1,708,102	8.1239%
392	Transportation Equipment - Trailers	7,211,534	1,163,591	15.00	480,769	(5,179)	475,590	6.5948%
392	Transportation Equipment - Heavy Trucks	41,657,907	10,000,297	14.00	2,975,565	(52,271)	2,923,293	7.0174%
393	Stores Equipment	1,230,683	455,176	20.00	61,534	(1,979)	59,556	4.8392%
394	Tools, Shop & Garage Equipment	51,145,841	18,371,395	15.00	3,409,723	(104,862)	3,304,861	6.4616%
395	Laboratory Equipment	3,622,186	1,974,806	10.00	362,219	(23,017)	339,202	9.3646%
396	Power Operated Equipment	20,725,068	3,968,021	12.00	1,727,089	(22,844)	1,704,245	8.2231%
397	Communication Equipment	12,184,390	4,479,135	9.00	1,353,821	(43,129)	1,310,693	10.7571%
397	Communication Equipment - Two Way	232,557	93,346	9.00	25,840	(945)	24,895	10.7048%
397	Communication Equipment - AES	4,962,953	1,448,553	15.00	330,864	(7,543)	323,320	6.5147%
397	Communication Equipment - EMS	9,748,526	3,226,532	15.00	649,902	(17,704)	632,198	6.4851%
398	Miscellaneous Equipment	2,783,945	1,452,786	15.00	185,596	(10,799)	174,798	6.2788%
	Total General	204,662,628	64,850,619		15,717,958	(457,900)	15,260,059	
	Total Electric Intangible & General	219,880,186	72,218,217		18,761,470	(611,435)	18,150,035	

Northern States Power Company  
 Electric Utility - State of North Dakota

Northern States Power Company - North Dakota: Transmission, Distribution & General Study

Gas Utility

FERC Account	Description	Plant Balance 1/1/2012	Allocated Reserve 1/1/2012	Theoretical Reserve 1/1/2012	Reserve Difference	Remaining Life	Amortize Reserve Difference
Intangible							
303	Intangible Computer Software - 5 Year	4,994,873	2,309,620	2,225,443	84,178	3.78	(22,263)
	Total Intangible	4,994,873	2,309,620	2,225,443	84,178		(22,263)
General							
391	Office Furniture & Equipment	877,862	228,998	209,498	19,500	15.23	(1,281)
391	Network Equipment	37,566	11,935	10,907	1,028	2.84	(362)
392	Transportation Equipment - Automobiles	83,716	68,189	62,314	5,875	2.56	(2,298)
392	Transportation Equipment - Light Trucks	3,556,524	1,121,778	1,025,131	96,647	8.54	(11,315)
392	Transportation Equipment - Trailers	661,434	205,482	187,779	17,703	10.74	(1,648)
392	Transportation Equipment - Heavy Trucks	4,827,305	1,471,517	1,344,738	126,779	10.10	(12,552)
393	Stores Equipment	10,091	276	252	24	19.50	(1)
394	Tools, Shop & Garage Equipment	4,305,799	2,496,800	2,281,689	215,112	7.05	(30,507)
396	Power Operated Equipment	1,132,309	769,446	753,556	15,890	8.30	(1,913)
397	Communication Equipment	12,618,831	5,286,010	4,832,757	453,252	5.56	(81,458)
397	Communication Equipment - AES	5,634,650	1,351,840	1,235,372	116,468	11.71	(9,945)
397	Communication Equipment - EMS	4,166,157	1,701,543	1,554,946	146,596	9.40	(15,593)
398	Miscellaneous Equipment	89,194	67,421	63,352	4,068	5.62	(724)
	Total General	38,001,439	14,781,234	13,562,292	1,218,942		(169,598)
	Total Gas Intangible & General	42,996,312	17,090,854	15,787,734	1,303,120		(191,861)

Excluding Fully Accrued Assets

FERC Account	Description	Plant Balance 1/1/2012	Allocated Reserve 1/1/2012	Amortization Life	Annual Amortization	Accrual For Reserve Difference	Total Amortization	Amortization Rate
Intangible								
303	Intangible Computer Software - 5 Year	3,662,300	977,047	5	732,460	(22,263)	710,197	19.3921%
	Total Intangible	3,662,300	977,047		732,460	(22,263)	710,197	
General								
391	Office Furniture & Equipment	877,862	228,998	20	43,893	(1,281)	42,613	4.8541%
391	Network Equipment	37,566	11,935	4	9,391	(362)	9,029	24.0357%
392	Transportation Equipment - Automobiles	83,716	68,189	10	8,372	(2,298)	6,074	7.2550%
392	Transportation Equipment - Light Trucks	3,556,524	1,121,778	12	296,377	(11,315)	285,062	8.0152%
392	Transportation Equipment - Trailers	661,434	205,482	15	44,096	(1,648)	42,448	6.4175%
392	Transportation Equipment - Heavy Trucks	4,827,305	1,471,517	14	344,808	(12,552)	332,255	6.8828%
393	Stores Equipment	10,091	276	20	505	(1)	503	4.9879%
394	Tools, Shop & Garage Equipment	4,305,799	2,496,800	15	287,053	(30,507)	256,547	5.9582%
396	Power Operated Equipment	547,294	184,431	12	45,608	(1,913)	43,695	7.9837%
397	Communication Equipment	12,593,714	5,260,893	9	1,399,302	(81,458)	1,317,844	10.4643%
397	Communication Equipment - AES	5,634,650	1,351,840	15	375,643	(9,945)	365,698	6.4902%
397	Communication Equipment - EMS	4,166,157	1,701,543	15	277,744	(15,593)	262,151	6.2924%
398	Miscellaneous Equipment	68,994	47,221	15	4,600	(724)	3,875	5.6171%
	Total General	37,371,108	14,150,903		3,137,390	(169,598)	2,967,793	
	Total Gas Intangible & General	41,033,408	15,127,950		3,869,850	(191,861)	3,677,989	

Northern States Power Company  
 Electric Utility - State of North Dakota

Northern States Power Company - North Dakota: Transmission, Distribution & General Study

Common Utility

FERC Account	Account Description	Plant Balance 1/1/2012	Allocated Reserve 1/1/2012	Theoretical Reserve 1/1/2012	Reserve Difference	Remaining Life	Amortize Reserve Difference		
Intangible									
303	Intangible Computer Software - 3 Year	11,905,829	11,905,829	11,905,829	0	0.00	NA		
303	Intangible Computer Software - 5 Year	135,278,764	96,558,831	97,954,124	(1,395,293)	2.94	473,914		
303	Intangible Computer Software - 7 Year	70,726,449	70,131,524	70,131,524	0	0.50	0		
303	Intangible Computer Software - 10 Year	20,801,640	20,692,275	20,702,165	(9,890)	3.50	2,826		
	Total Intangible	238,712,681	199,288,459	200,693,642	(1,405,183)		476,739		
General									
391	Office Furniture & Equipment	31,508,621	20,137,798	20,818,095	(680,297)	9.14	74,446	3.2E+07	2E+07
391	Network Equipment	45,809,354	29,342,899	29,955,069	(612,170)	2.32	263,421		
392	Transportation Equipment - Automobiles	319,097	93,990	99,307	(5,317)	6.89	772		
392	Transportation Equipment - Light Trucks	4,350,598	2,082,324	2,200,111	(117,787)	5.93	19,858		
392	Transportation Equipment - Trailers	1,125,686	322,385	340,621	(18,236)	10.46	1,743		
392	Transportation Equipment - Heavy Trucks	4,425,984	1,633,134	1,725,513	(92,379)	8.54	10,815		
393	Stores Equipment	73,660	65,325	65,370	(45)	18.15	2		
394	Tools, Shop & Garage Equipment	2,419,867	913,997	951,783	(37,786)	10.13	3,730		
395	Laboratory Equipment	36,686	26,042	27,515	(1,473)	2.50	589		
396	Power Operated Equipment	711,999	223,512	235,874	(12,362)	8.08	1,530		
397	Communication Equipment	1,499,822	870,370	912,121	(41,751)	3.87	10,795		
397	Communication Equipment - Two Way	3,926,377	2,360,323	2,483,200	(122,877)	3.47	35,366		
398	Miscellaneous Equipment	917,274	565,881	591,917	(26,036)	6.01	4,330		
	Total General	97,125,024	58,637,980	60,406,496	(1,768,516)		427,397		
	Total Common Intangible & General	335,837,705	257,926,438	261,100,138	(3,173,699)		904,136		

Excluding Fully Accrued Assets

FERC Account	Description	Plant Balance 1/1/2012	Allocated Reserve 1/1/2012	Amortization Life	Annual Amortization	Accrual For Reserve Difference	Total Amortization	Amortization Rate
Intangible								
303	Intangible Computer Software - 3 Year	0	0	3.00	0	0	0	33.3333% (2)
303	Intangible Computer Software - 5 Year	63,386,881	24,666,948	5.00	12,677,376	473,914	13,151,290	20.7477%
303	Intangible Computer Software - 7 Year	8,328,954	7,734,029	7.00	1,189,851	0	1,189,851	14.2900%
303	Intangible Computer Software - 10 Year	284,213	174,848	10.00	28,421	2,826	31,247	10.9943%
	Total Intangible	72,000,048	32,575,825		13,895,648	476,739	14,372,387	
(2) Rate if new plant is added								
General								
391	Office Furniture & Equipment	23,397,579	12,026,756	20	1,169,879	74,446	1,244,325	5.3182%
391	Network Equipment	27,288,817	10,822,362	4	6,822,204	263,421	7,085,625	25.9653%
392	Transportation Equipment - Automobiles	319,097	93,990	10	31,910	772	32,682	10.2419%
392	Transportation Equipment - Light Trucks	4,350,598	2,082,324	12	362,550	19,858	382,408	8.7898%
392	Transportation Equipment - Trailers	1,125,686	322,385	15	75,046	1,743	76,789	6.8215%
392	Transportation Equipment - Heavy Trucks	4,425,984	1,633,134	14	316,142	10,815	326,956	7.3872%
393	Stores Equipment	9,136	801	20	457	2	459	5.0273%
394	Tools, Shop & Garage Equipment	2,173,877	668,007	15	144,925	3,730	148,655	6.8383%
395	Laboratory Equipment	36,686	26,042	10	3,669	589	4,258	11.6061%
396	Power Operated Equipment	707,031	218,544	12	58,919	1,530	60,449	8.5497%
397	Communication Equipment	1,367,560	738,108	9	151,951	10,795	162,746	11.9005%
397	Communication Equipment - Two Way	3,738,356	2,172,302	9	415,373	35,366	450,739	12.0571%
398	Miscellaneous Equipment	811,679	460,285	15	54,112	4,330	58,442	7.2002%
	Total General	69,752,085	31,265,041		9,607,136	427,397	10,034,533	
	Total Common Intangible & General	141,752,133	63,840,866		23,502,784	904,136	24,406,920	

Northern States Power Company - North Dakota: Transmission, Distribution & General Study

Comparison of Present and Proposed Accruals  
 Average Service Life  
 Electric Utility

FERC Account	Account Description	Plant Balance 1/1/2012	Fully Accrued	Adjusted Plant Balance 1/1/2012	Present		Proposed		Proposed Less	
					Annual Rate	Note	Annual Accrual	Annual Rate	Annual Accrual	Present Accrual
Transmission										
352	Structures & Improvements	46,878,153		46,878,153	1.86	(1)	871,934	1.3022%	610,440	(261,494)
353	Station Equipment	856,268,539		856,268,539	2.36	(1)	20,207,938	1.7658%	15,119,645	(5,088,293)
354	Towers & Fixtures	113,933,667		113,933,667	1.25	(1)	1,424,171	1.3975%	1,592,267	168,096
355	Poles & Fixtures	557,866,574		557,866,574	2.08	(1)	11,603,625	2.0497%	11,434,327	(169,297)
356	Overhead Conductor & Devices	303,746,575		303,746,575	2.22	(1)	6,743,174	1.8919%	5,746,531	(996,643)
357	Underground Conduit	12,146,888		12,146,888	1.50	(1)	182,203	1.2239%	148,663	(33,540)
358	Underground Conductor & Devices	20,992,067		20,992,067	2.15	(1)	451,329	1.6716%	350,902	(100,427)
Total Transmission		1,911,832,463	-	1,911,832,463			41,484,373	35,002,775		(6,481,599)
Distribution - Minnesota Only										
361	Structures & Improvements	786,090		786,090	1.51	(1)	11,870	2.3070%	18,135	6,265
362	Station Equipment	15,727,345		15,727,345	2.06	(1)	323,983	2.2605%	355,510	31,527
364	Poles, Towers & Fixtures	11,184,118		11,184,118	1.27	(1)	142,038	4.7031%	526,002	383,964
365	Overhead Conductor & Devices	16,921,426		16,921,426	2.20	(1)	372,271	3.1407%	531,459	159,188
366	Underground Conduit	5,528,658		5,528,658	1.52	(1)	84,036	2.2340%	123,512	39,476
367	Underground Conductor & Devices	44,510,941		44,510,941	1.94	(1)	863,512	2.2958%	1,021,870	158,358
369	Services - Overhead	5,120,587		5,120,587	1.33	(1)	68,104	4.4286%	226,772	158,668
369	Services - Underground	7,237,896		7,237,896	1.82	(1)	131,730	2.7101%	196,153	64,423
373	Street Lighting & Signal Systems	1,795,939		1,795,939	3.12	(1)	56,033	4.7747%	85,751	29,717
Total Distribution		108,813,000		108,813,000			2,053,578	3,085,165		1,031,588
General										
390	Structures & Improvements	59,179,857		59,179,857	2.22		1,313,793	1.9688%	1,165,128	(148,665)
Total General		59,179,857		59,179,857			1,313,793	1,165,128		(148,665)
Total Electric Utility		2,079,825,319		2,079,825,319			44,851,744	39,253,068		(5,598,676)

(1) Rates from ND settlement agreement Docket No. PU-07-776  
 All other rates from Docket E,G-002/D-07-1528

Northern States Power Company - North Dakota: Transmission, Distribution & General Study

**Xcel Energy**

Comparison of Present and Proposed Accruals

Average Service Life

**Gas Utility**

FERC Account	Account Description	Plant Balance 1/1/2012	Fully Accrued	Adjusted Plant Balance 1/1/2012	Present		Proposed		Proposed Less Present Accrual
					Annual Rate	Annual Accrual	Annual Rate	Annual Accrual	
Transmission									
366	Structures & Improvements	1,017,205		1,017,205	2.44	24,820	1.2468%	12,683	(12,137)
367	Mains	53,675,877		53,675,877	2.89	1,551,233	1.2431%	667,234	(883,999)
369	Measure & Regulating Station Equipment	10,986,598		10,986,598	4.03	442,760	2.8914%	317,662	(125,098)
	Total Transmission	65,679,681		65,679,681		2,018,813		997,579	(1,021,234)
Distribution - North Dakota Only									
375	Structures & Improvements	132,705		132,705	2.44	3,238	2.0277%	2,691	(547)
376	Mains - Metallic	12,459,791		12,459,791	2.89	360,088	2.1099%	262,884	(97,204)
376	Mains - Plastic	27,663,746		27,663,746	2.56	708,192	2.3945%	662,416	(45,776)
378	Measure & Regulating Station Equipment - General	623,037		623,037	4.03	25,108	3.0289%	18,871	(6,237)
379	Measure & Regulating Station Equipment - City Gate	-		-	4.03	-	0.0000%	-	-
380	Services - Metallic	1,546,055		1,546,055	3.25	50,247	1.6948%	26,202	(24,044)
380	Services - Plastic	30,069,287		30,069,287	3.25	977,252	3.1117%	935,654	(41,598)
	Total Distribution	72,494,621		72,494,621		2,124,125		1,908,718	(215,407)
General									
390	Structures & Improvements	1,945,425		1,945,425	2.22	43,188	2.1414%	41,659	(1,529)
	Total General	1,945,425		1,945,425		43,188		41,659	(1,529)
	Total Gas Utility	140,119,726		140,119,726		4,186,126		2,947,956	(1,238,169)

Northern States Power Company - North Dakota: Transmission, Distribution & General Study

**Xcel Energy**  
 Comparison of Present and Proposed Accruals  
 Average Service Life  
**Common Utility**

FERC Account	Account Description	Plant Balance 1/1/2012	Fully Accrued	Adjusted Plant Balance 1/1/2012	Present		Proposed		Proposed Less Present Accrual
					Annual Rate	Annual Accrual	Annual Rate	Annual Accrual	
General									
	390 Structures & Improvements	115,747,921		115,747,921	2.22	2,569,604	2.2296%	2,580,693	11,089
	390 Structures & Improvements - Leased	1,163,412		1,163,412	10.53	122,507	10.7324%	124,861	2,354
	Total General	<u>116,911,333</u>		<u>116,911,333</u>		<u>2,692,111</u>		<u>2,705,554</u>	<u>13,443</u>
	Total Common Utility	<u>116,911,333</u>		<u>116,911,333</u>		<u>2,692,111</u>		<u>2,705,554</u>	<u>13,443</u>
	Total ASL All Utilities	<u>2,336,856,378</u>		<u>2,336,856,378</u>		<u>51,729,981</u>		<u>44,906,579</u>	<u>(6,823,402)</u>

Northern States Power Company - North Dakota: Transmission, Distribution & General Study

**Xcel Energy**

Comparison of Present and Proposed Accruals  
Vintage Group  
Electric Utility

FERC Account	Account Description	Plant Balance 1/1/2012	Fully Accrued	Adjusted Plant Balance 1/1/2012	Present		Proposed		Proposed Less Present Accrual	
					Annual Rate	Annual Accrual	Annual Rate	Annual Accrual		
<b>Intangible</b>										
303	Intangible Computer Software - 5 Year	38,001,392	22,783,834	15,217,558	20.00	3,043,512	18.9911%	2,889,976	(153,536)	
	<b>Total Intangible</b>	<b>38,001,392</b>	<b>22,783,834</b>	<b>15,217,558</b>		<b>3,043,512</b>		<b>2,889,976</b>	<b>(153,536)</b>	
<b>General</b>										
391	Office Furniture & Equipment	22,857,009	-	22,857,009	5.56	1,270,850	4.8295%	1,103,888	(166,962)	
391	Network Equipment	12,149,587	7,265,505	4,884,082	25.00	1,221,021	23.2815%	1,137,085	(83,935)	
392	Transportation Equipment - Automobiles	390,265	-	390,265	18.00	70,248	9.8225%	38,334	(31,914)	
392	Transportation Equipment - Light Trucks	21,124,664	98,985	21,025,679	9.00	1,892,311	8.1239%	1,708,102	(184,210)	
392	Transportation Equipment - Trailers	7,211,534	-	7,211,534	9.00	649,038	6.5948%	475,590	(173,449)	
392	Transportation Equipment - Heavy Trucks	41,791,424	133,516	41,657,907	7.92	3,299,306	7.0174%	2,923,293	(376,013)	
393	Stores Equipment	1,586,203	355,520	1,230,683	5.00	61,534	4.8392%	59,556	(1,979)	
394	Tools, Shop & Garage Equipment	51,659,027	513,185	51,145,841	6.67	3,411,428	6.4616%	3,304,861	(106,566)	
395	Laboratory Equipment	3,805,496	183,311	3,622,186	10.00	362,219	9.3646%	339,202	(23,017)	
396	Power Operated Equipment	20,725,068	-	20,725,068	9.00	1,865,256	8.2231%	1,704,245	(161,011)	
397	Communication Equipment	12,763,770.31	579,380	12,184,390	11.11	1,353,686	10.7571%	1,310,693	(42,993)	
397	Communication Equipment - Two Way	252,239.22	19,682	232,557	11.11	25,837	10.7048%	24,895	(942)	
397	Communication Equipment - AES	4,962,953.39	-	4,962,953	6.67	331,029	6.5147%	323,320	(7,709)	
397	Communication Equipment - EMS	9,748,526.07	-	9,748,526	6.67	650,227	6.4851%	632,198	(18,029)	
398	Miscellaneous Equipment	2,794,004	10,058	2,783,945	6.67	185,689	6.2788%	174,798	(10,891)	
	<b>Total General</b>	<b>213,821,771</b>	<b>9,159,142</b>	<b>204,662,628</b>		<b>16,649,678</b>		<b>15,260,059</b>	<b>(1,389,619)</b>	
<b>Distribution - North Dakota Only (Vintage Group Treatment)</b>										
		<b>Plant Balance 1/1/2012</b>	<b>Fully Accrued</b>	<b>Adjusted Plant Balance 1/1/2012</b>						
368	Line Transformers	13,617,155	2,054,073	11,563,082	(1)	2.23	257,857	3.7659%	435,453	177,596
368	Line Capacitors	552,642	141,148	411,494	(1)	3.34	13,744	4.6192%	19,008	5,264
370	Meters - Old	1,424,660	1,246,911	177,749	(1)	4.34	7,714	9.4982%	16,883	9,169
370	Meters	5,326,177	979,610	4,346,566	(1)	6.01	261,229	7.9628%	346,110	84,881
	<b>Total Distribution</b>	<b>20,920,634</b>	<b>4,421,742</b>	<b>16,498,891</b>		<b>540,544</b>		<b>817,453</b>	<b>276,909</b>	
	<b>Total Electric Utility</b>	<b>272,743,796</b>	<b>36,364,719</b>	<b>236,379,077</b>		<b>20,233,733</b>		<b>18,967,487</b>	<b>(1,266,245)</b>	

(1) Rates from ND settlement agreement Docket No. PU-07-776  
All other rates from Docket E,G-002/D-07-1528

Northern States Power Company - North Dakota: Transmission, Distribution & General Study

Xcel Energy  
Comparison of Present and Proposed Accruals  
Vintage Group  
Gas Utility

FERC Account	Account Description	Plant Balance 1/1/2012	Fully Accrued	Adjusted Plant Balance 1/1/2012	Present		Proposed		Proposed Less Present Accrual
					Annual Rate	Annual Accrual	Annual Rate	Annual Accrual	
Intangible									
303	Intangible Computer Software - 5 Year	4,994,873	1,332,573	3,662,300	20.00	732,459.97	19.3921%	710,197	(22,263)
Total Intangible		4,994,873	1,332,573	3,662,300	732,460		710,197		(22,263)
General									
391	Office Furniture & Equipment	877,862	-	877,862	5.56	48,809.15	4.8541%	42,613	(6,197)
391	Network Equipment	37,566	-	37,566	25.00	9,391.46	24.0357%	9,029	(362)
392	Transportation Equipment - Automobiles	83,716	-	83,716	18.00	15,068.84	7.2550%	6,074	(8,995)
392	Transportation Equipment - Light Trucks	3,556,524	-	3,556,524	9.00	320,087.20	8.0152%	285,062	(35,026)
392	Transportation Equipment - Trailers	661,434	-	661,434	9.00	59,529.10	6.4175%	42,448	(17,082)
392	Transportation Equipment - Heavy Trucks	4,827,305	-	4,827,305	7.92	382,322.58	6.8828%	332,255	(50,067)
393	Stores Equipment	10,091	-	10,091	5.00	504.55	4.9879%	503	(1)
394	Tools, Shop & Garage Equipment	4,305,799	-	4,305,799	6.67	287,196.81	5.9582%	256,547	(30,650)
396	Laboratory Equipment	1,132,309	585,015	547,294	9.00	49,256.50	7.9837%	43,695	(5,562)
397	Communication Equipment	12,618,831	25,116	12,593,714	11.11	1,399,161.67	10.4643%	1,317,844	(81,318)
397	Communication Equipment - AES	5,634,650	-	5,634,650	6.67	375,831.12	6.4902%	365,698	(10,133)
397	Communication Equipment - EMS	4,166,157	-	4,166,157	6.67	277,882.69	6.2924%	262,151	(15,732)
398	Miscellaneous Equipment	89,194	20,200	68,994	6.67	4,601.92	5.6171%	3,875	(726)
Total General		38,001,439	630,331	37,371,108	3,229,644		2,967,793		(261,851)
Distribution - North Dakota Only (Vintage Group Treatment)									
381	Meters	6,158,963	457,872	5,701,090	5.75	327,813	2.6604%	151,670	(176,143)
381	Meters - Telemetry	1,325	1,325	-	12.50	-	0.0000%	-	-
383	House Regulators	-	-	-	5.50	-	0.0000%	-	-
Total Distribution		6,160,288	459,198	5,701,090	327,813		151,670		(176,143)
Total Gas Utility		49,156,600	2,422,101	46,734,499	4,289,916		3,829,659		(460,257)

Northern States Power Company - North Dakota: Transmission, Distribution & General Study

Xcel Energy  
Comparison of Present and Proposed Accruals  
Vintage Group  
Common Utility

FERC Account	Account Description	Plant Balance 1/1/2012	Fully Accrued	Adjusted Plant Balance 1/1/2012	Present		Proposed		Proposed Less Present Accrual
					Annual Rate	Annual Accrual	Annual Rate	Annual Accrual	
Intangible									
303	Intangible Computer Software - 3 Year	11,905,829	11,905,829	-	33.33	-	33.33333%	-	-
303	Intangible Computer Software - 5 Year	135,278,764	71,891,882	63,386,881	20.00	12,677,376	20.74777%	13,151,290	473,914
303	Intangible Computer Software - 7 Year	70,726,449	62,397,495	8,328,954	14.29	1,189,851	14.2857%	1,189,851	-
303	Intangible Computer Software - 10 Year	20,801,640	20,517,427	284,213	10.00	28,421	10.9943%	31,247	2,826
Total Intangible		238,712,681	166,712,634	72,000,048	13,895,648		14,372,387		476,739
General									
391	Office Furniture & Equipment	31,508,621	8,111,042	23,397,579	5.56	1,300,905	5.3182%	1,244,325	(56,581)
391	Network Equipment	45,809,354	18,520,537	27,288,817	25.00	6,822,204	25.9653%	7,085,625	263,421
392	Transportation Equipment - Automobiles	319,097	-	319,097	18.00	57,437	10.2419%	32,682	(24,756)
392	Transportation Equipment - Light Trucks	4,350,598	-	4,350,598	9.00	391,554	8.7898%	382,408	(9,146)
392	Transportation Equipment - Trailers	1,125,686	-	1,125,686	9.00	101,312	6.8215%	76,789	(24,523)
392	Transportation Equipment - Heavy Trucks	4,425,984	-	4,425,984	7.92	350,538	7.3872%	326,956	(23,582)
393	Stores Equipment	73,660	64,524	9,136	5.00	457	5.0273%	459	2
394	Tools, Shop & Garage Equipment	2,419,867	245,990	2,173,877	6.67	144,998	6.8383%	148,655	3,658
395	Laboratory Equipment	36,686	-	36,686	10.00	3,669	11.6061%	4,258	589
396	Power Operated Equipment	711,999	4,968	707,031	9.00	63,633	8.5497%	60,449	(3,184)
397	Communication Equipment	1,499,822	132,262	1,367,560	11.11	151,936	11.9005%	162,746	10,810
397	Communication Equipment - Two Way	3,926,377	188,021	3,738,356	11.11	415,331	12.0571%	450,739	35,408
398	Miscellaneous Equipment	917,274	105,595	811,679	6.67	54,139	7.2002%	58,442	4,303
Total General		97,125,024	27,372,939	69,752,085	9,858,113		10,034,533		176,420
Total Common Utility		335,837,705	194,085,573	141,752,133	23,753,761		24,406,920		653,160
Total Vintage All Utilities		657,738,102	232,872,393	424,865,708	48,277,410		47,204,067		(1,073,343)
Total ASL and Vintage All Utilities		2,994,594,480	232,872,393	2,761,722,086	100,007,390		92,110,646		(7,896,745)
Total Electric Utility									
Total Electric Utility		2,352,569,116	36,364,719	2,316,204,396	65,085,477		58,220,556		(6,864,921)
Total Gas Utility									
Total Gas Utility		189,276,326	2,422,101	186,854,225	8,476,042		6,777,616		(1,698,427)
Total Common Utility									
Total Common Utility		452,749,038	194,085,573	258,663,465	26,445,872		27,112,474		666,603
Total ASL and Vintage All Utilities		2,994,594,480	232,872,393	2,761,722,086	100,007,390		92,110,646		(7,896,745)

## Northern States Power Company - North Dakota: Transmission, Distribution & General Study

Comparison of Present and Proposed Depreciation Rates  
 Average Service Life  
**Electric Utility**

FERC Account	Account Description	Present			Proposed			Difference	
		Average Life	Curve	Net Salvage	Average Life	Curve	Net Salvage	Life	Net Salvage
Transmission									
	352 Structures & Improvements	45	S1	0	68	R5	0	23	0
	353 Station Equipment	38	SC	0	56	R2	-10	18	-10
	354 Towers & Fixtures	50	R4	-25	70	R4	-35	20	-10
	355 Poles & Fixtures	45	R1.5	-10	62	R2	-35	17	-25
	356 Overhead Conductor & Devices	42	L1	-30	63	R1	-30	21	0
	357 Underground Conduit	55	L1.5	0	73	R4	0	18	0
	358 Underground Conductor & Devices	40	L1	0	55	R2	0	15	0
Distribution									
	361 Structures & Improvements	45	R1	-30	60	R3	-30	15	0
	362 Station Equipment	38	R1	-10	55	R1.5	-20	17	-10
	364 Poles, Towers & Fixtures	40	R1.5	-90	44	R1	-100	4	-10
	365 Overhead Conductor & Devices	35	R1	-30	39	L0	-20	4	10
	366 Underground Conduit	50	R3	0	52	R3	-10	2	-10
	367 Underground Conductor & Devices	35	R2	20	45	R2.5	0	10	-20
	369 Services - Overhead	40	R2.5	-35	40	R1.5	-70	0	-35
	369 Services - Underground	40	R2.5	-35	41	R4	-5	1	30
	373 Street Lighting & Signal Systems	25	L5	-20	29	L0	-35	4	-15
General									
	390 Structures & Improvements	45	R1	0	57	R1.5	-20	12	-20

## Northern States Power Company - North Dakota: Transmission, Distribution & General Study

Comparison of Present and Proposed Depreciation Rates  
 Average Service Life  
**Gas Utility**

FERC Account	Account Description	Present			Proposed			Difference	
		Average Life	Curve	Net Salvage	Average Life	Curve	Net Salvage	Life	Net Salvage
Transmission									
366	Structures & Improvements	41	R5	0	52	R3	-5	11	-5
367	Mains	45	R1.5	-30	75	R2.5	-15	30	15
369	Measure & Regulating Station Equipment	31	S0.5	-25	33	R1.5	-30	2	-5
Distribution									
375	Structures & Improvements	41	R5	0	41	R5	0	0	0
376	Mains - Metallic	45	R1.5	-30	51	R1.5	-20	6	10
376	Mains - Plastic	45	R3	-15	45	R2.5	-15	0	0
378	Measure & Regulating Station Equipment - General	31	S0.5	-25	38	R0.5	-25	7	0
379	Measure & Regulating Station Equipment - City Gate	31	S0.5	-25	38	R0.5	-2	7	23
380	Services - Metallic	40	S3	-30	40	S3	-40	0	-10
380	Services - Plastic	40	R3	-30	39	R2.5	-30	-1	0
General									
390	Structures & Improvements	45	R1	0	55	R1.5	-20	10	-20

## Northern States Power Company - North Dakota: Transmission, Distribution & General Study

Comparison of Present and Proposed Depreciation Rates  
 Average Service Life  
**Common Utility**

FERC Account	Account Description	Present			Proposed			Difference	
		Average Life	Curve	Net Salvage	Average Life	Curve	Net Salvage	Life	Net Salvage
	390 Structures & Improvements	45	R1	0	55	R1.5	-20	10	-20
	390 Structures & Improvements - Leased	9.5	-	0	10	SQ	0	0.5	0

## Northern States Power Company - North Dakota: Transmission, Distribution & General Study

Comparison of Present and Proposed Depreciation Rates  
 Vintage Group  
**Electric Utility**

FERC Account	Account Description	Present			Proposed			Difference	
		Average Life	Curve	Net Salvage	Average Life	Curve	Net Salvage	Life	Net Salvage
Intangible									
303	Intangible Computer Software - 5 Year	5	(1)	0	5	(1)	0	0	0
General									
391	Office Furniture & Equipment	18	(1)	0	20	(1)	0	2	0
391	Network Equipment	4	(1)	0	4	(1)	0	0	0
392	Transportation Equipment - Automobiles	5	(1)	10	10	(1)	0	5	-10
392	Transportation Equipment - Light Trucks	10	(1)	10	12	(1)	0	2	-10
392	Transportation Equipment - Trailers	10	(1)	10	15	(1)	0	5	-10
392	Transportation Equipment - Heavy Trucks	12	(1)	5	14	(1)	0	2	-5
393	Stores Equipment	20	(1)	0	20	(1)	0	0	0
394	Tools, Shop & Garage Equipment	15	(1)	0	15	(1)	0	0	0
395	Laboratory Equipment	10	(1)	0	10	(1)	0	0	0
396	Power Operated Equipment	10	(1)	10	12	(1)	0	2	-10
397	Communication Equipment	9	(1)	0	9	(1)	0	0	0
397	Communication Equipment - Two Way	9	(1)	0	9	(1)	0	0	0
397	Communication Equipment - AES	15	(1)	0	15	(1)	0	0	0
397	Communication Equipment - EMS	15	(1)	0	15	(1)	0	0	0
398	Miscellaneous Equipment	15	(1)	0	15	(1)	0	0	0
Distribution (Vintage Group Treatment)									
368	Line Transformers	32	(1)	10	32	(1)	-5	0	-15
368	Line Capacitors	25	(1)	0	25	(1)	-10	0	-10
370	Meters - Old	20	(1)	0	20	(1)	0	0	0
370	Meters	15	(1)	0	15	(1)	0	0	0

(1) No curve is used for amortized accounts.

## Northern States Power Company - North Dakota: Transmission, Distribution & General Study

Comparison of Present and Proposed Depreciation Rates  
 Vintage Group  
**Gas Utility**

FERC Account	Account Description	Present			Proposed			Difference	
		Average Life	Curve	Net Salvage	Average Life	Curve	Net Salvage	Life	Net Salvage
Intangible									
	303 Intangible Computer Software - 5 Year	5	(1)	0	5	(1)	0	0	0
General									
	391 Office Furniture & Equipment	18	(1)	0	20	(1)	0	2	0
	391 Network Equipment	4	(1)	0	4	(1)	0	0	0
	392 Transportation Equipment - Automobiles	5	(1)	10	10	(1)	0	5	-10
	392 Transportation Equipment - Light Trucks	10	(1)	10	12	(1)	0	2	-10
	392 Transportation Equipment - Trailers	10	(1)	10	15	(1)	0	5	-10
	392 Transportation Equipment - Heavy Trucks	12	(1)	5	14	(1)	0	2	-5
	393 Stores Equipment	20	(1)	0	20	(1)	0	0	0
	394 Tools, Shop & Garage Equipment	15	(1)	0	15	(1)	0	0	0
	395 Laboratory Equipment	10	(1)	0	10	(1)	0	0	0
	396 Power Operated Equipment	10	(1)	10	12	(1)	0	2	-10
	397 Communication Equipment	9	(1)	0	9	(1)	0	0	0
	397 Communication Equipment - AES	15	(1)	0	15	(1)	0	0	0
	397 Communication Equipment - EMS	15	(1)	0	15	(1)	0	0	0
	398 Miscellaneous Equipment	15	(1)	0	15	(1)	0	0	0
Distribution (Vintage Group Treatment)									
	381 Meters	20	-15	-15	20	-3	-3	0	12
	381 Meters - Telemetry	8	0	0	8	0	0	0	0
	383 House Regulators	20	-10	-10	20	0	0	0	10

(1) No curve is used for amortized accounts.

## Northern States Power Company - North Dakota: Transmission, Distribution & General Study

Comparison of Present and Proposed Depreciation Rates  
 Vintage Group  
**Common Utility**

	Present			Proposed			Difference	
	Average	Curve	Net Salvage	Average	Curve	Net Salvage	Net	
	Life			Life			Life	Salvage
303 Intangible Computer Software - 3 Year	3	(1)	0	3	(1)	0	0	0
303 Intangible Computer Software - 5 Year	5	(1)	0	5	(1)	0	0	0
303 Intangible Computer Software - 7 Year	7	(1)	0	7	(1)	0	0	0
303 Intangible Computer Software - 10 Year	10	(1)	0	10	(1)	0	0	0
<b>General</b>								
391 Office Furniture & Equipment	18	(1)	0	20	(1)	0	2	0
391 Network Equipment	4	(1)	0	4	(1)	0	0	0
392 Transportation Equipment - Automobiles	5	(1)	10	10	(1)	0	5	-10
392 Transportation Equipment - Light Trucks	10	(1)	10	12	(1)	0	2	-10
392 Transportation Equipment - Trailers	10	(1)	10	15	(1)	0	5	-10
392 Transportation Equipment - Heavy Trucks	12	(1)	5	14	(1)	0	2	-5
393 Stores Equipment	20	(1)	0	20	(1)	0	0	0
394 Tools, Shop & Garage Equipment	15	(1)	0	15	(1)	0	0	0
395 Laboratory Equipment	10	(1)	0	10	(1)	0	0	0
396 Power Operated Equipment	10	(1)	10	12	(1)	0	2	-10
397 Communication Equipment	9	(1)	0	9	(1)	0	0	0
397 Communication Equipment - Two Way	9	(1)	0	9	(1)	0	0	0
398 Miscellaneous Equipment	15	(1)	0	15	(1)	0	0	0

(1) No curve is used for amortized accounts.

## Northern States Power Company - North Dakota: Transmission, Distribution & General Study

Comparison of Actual and Theoretical Reserve  
**Electric Utility**

FERC Account	Account Description	Plant Balance 1/1/2012	Recoverable Cost	Theoretical Reserve	Actual Reserve	Difference
Transmission						
352	Structure & Improvements	46,878,153	46,878,153	10,569,494	14,727,387	4,157,893
353	Station Equipment	856,268,539	856,268,539	189,587,203	265,621,329	76,034,127
354	Towers & Fixtures	113,933,667	113,933,667	63,064,084	88,051,122	24,987,038
355	Poles & Fixtures	557,866,574	557,866,574	95,699,052	134,275,196	38,576,144
356	Overhead Conductor & Devices	303,746,575	303,746,575	67,484,864	94,711,627	27,226,763
357	Underground Conduit	12,146,888	12,146,888	2,566,531	3,587,513	1,020,983
358	Underground Conductor & Devices	20,992,067	20,992,067	3,496,274	4,906,848	1,410,573
	Total Transmission	<u>1,911,832,463</u>	<u>1,911,832,463</u>	<u>432,467,501</u>	<u>605,881,022</u>	<u>173,413,521</u>
Distribution - North Dakota Only						
361	Structure & Improvements	786,090	786,090	480,610	445,552	(35,057)
362	Station Equipment	15,727,345	15,727,345	6,241,601	5,786,316	(455,285)
364	Poles, Towers & Fixtures	11,184,118	11,184,118	7,208,636	6,682,812	(525,824)
365	Overhead Conductor & Devices	16,921,426	16,921,426	4,495,887	4,167,940	(327,946)
366	Underground Conduit	5,528,658	5,528,658	2,643,560	2,450,729	(192,831)
367	Underground Conductor & Devices	44,510,941	44,510,941	13,892,782	12,879,393	(1,013,390)
369	Services - Overhead	5,120,587	5,120,587	3,182,318	2,950,188	(232,130)
369	Services - Underground	7,237,896	7,237,896	3,373,461	3,127,389	(246,073)
373	Street Lighting & Signal Systems	1,795,939	1,795,939	631,223	585,179	(46,044)
	Total Distribution	<u>108,813,000</u>	<u>108,813,000</u>	<u>42,150,078</u>	<u>39,075,499</u>	<u>(3,074,580)</u>
General						
390	Structure & Improvements	59,179,857	59,179,857	23,865,074	26,921,569	3,056,495
	Total Electric Utility	<u>2,079,825,320</u>	<u>2,079,825,320</u>	<u>498,482,653</u>	<u>671,878,090</u>	<u>173,395,437</u>

Comparison of Actual and Theoretical Reserve  
**Gas Utility**

<b>FERC Account</b>	<b>Account Description</b>	<b>Plant Balance 1/1/2012</b>	<b>Recoverable Cost</b>	<b>Theoretical Reserve</b>	<b>Actual Reserve</b>	<b>Difference</b>
Transmission						
366	Structure & Improvements	1,017,205	1,017,205	373,255	639,031	265,777
367	Mains	53,675,877	53,675,877	11,098,447	20,682,288	9,583,841
369	Measure & Regulating Station Equipment	10,986,598	10,986,598	3,451,593	6,333,058	2,881,465
	<b>Total Transmission</b>	<b>65,679,681</b>	<b>65,679,681</b>	<b>14,923,295</b>	<b>27,654,378</b>	<b>12,731,083</b>
Distribution - North Dakota Only						
375	Structure & Improvements	132,705	132,705	65,043	73,614	8,571
376	Mains - Metallic	18,412,501	18,412,501	9,193,504	10,405,022	1,211,518
376	Mains - Plastic	27,663,746	27,663,746	8,406,491	9,514,297	1,107,806
378	Measure & Regulating Station Equipment - General	623,037	623,037	242,254	274,178	31,924
379	Measure & Regulating Station Equipment - City Gate	-	-	-	-	-
380	Services - Metallic	1,546,055	1,546,055	1,633,700	1,848,800	215,099
380	Services - Plastic	30,069,287	30,069,287	10,744,295	12,160,177	1,415,881
	<b>Total Distribution</b>	<b>78,447,331</b>	<b>78,447,331</b>	<b>30,285,287</b>	<b>34,276,088</b>	<b>3,990,801</b>
General						
390	Structure & Improvements	1,945,425	1,945,425	295,667	333,436	37,770
	<b>Total Gas Utility</b>	<b>146,072,436</b>	<b>146,072,436</b>	<b>45,504,249</b>	<b>62,263,902</b>	<b>16,759,653</b>

Comparison of Actual and Theoretical Reserve  
**Common Utility**

<b>FERC Account</b>	<b>Account Description</b>	<b>Plant Balance 1/1/2012</b>	<b>Recoverable Cost</b>	<b>Theoretical Reserve</b>	<b>Actual Reserve</b>	<b>Difference</b>
General						
390	Structures & Improvements	115,747,921	115,747,921	27,294,114	24,851,017	(2,443,097)
390	Structures & Improvements - Leased	1,163,412	1,163,412	523,535	476,674	(46,862)
	Total Common Utility	116,911,333	116,911,333	27,817,649	25,327,691	(2,489,959)
	Total All Utilities	2,342,809,089	2,342,809,089	571,804,551	759,469,683	187,665,132

Comparison of Actual and Theoretical Reserve  
**Electric Utility**  
Amortized Acct

FERC Account	Account Description	Plant Balance 1/1/2012	Fully Accrued	Recoverable Cost	Theoretical Reserve	Actual Reserve	Difference
Intangible							
303	Intangible Computer Software - 5 Year	38,001,392	22,783,834	15,217,558	6,950,553	7,367,597	417,044
	Total Intangible	38,001,392	22,783,834	15,217,558	6,950,553	7,367,597	417,044
General							
391	Office Furniture & Equipment	22,857,009		22,857,009	8,281,594	8,778,503	496,909
391	Network Equipment	12,149,587	7,265,505	4,884,082	2,607,830	2,764,304	156,474
392	Transportation Equipment - Automobiles	390,265		390,265	89,105	94,451	5,346
392	Transportation Equipment - Light Trucks	21,124,664	98,985	21,025,679	6,207,276	6,579,723	372,447
392	Transportation Equipment - Trailers	7,211,534		7,211,534	1,097,725	1,163,591	65,865
392	Transportation Equipment - Heavy Trucks	41,791,424	133,516	41,657,907	9,434,228	10,000,297	566,069
393	Stores Equipment	1,586,203	355,520	1,230,683	429,411	455,176	25,765
394	Tools, Shop & Garage Equipment	51,659,027	513,185	51,145,841	17,331,479	18,371,395	1,039,917
395	Laboratory Equipment	3,805,496	183,311	3,622,186	1,863,022	1,974,806	111,784
396	Power Operated Equipment	20,725,068		20,725,068	3,743,411	3,968,021	224,611
397	Communication Equipment	12,763,770	579,380	12,184,390	4,225,592	4,479,135	253,542
397	Communication Equipment - Two Way	252,239	19,682	232,557	88,062	93,346	5,284
397	Communication Equipment - AES	4,962,953		4,962,953	1,366,557	1,448,553	81,996
397	Communication Equipment - EMS	9,748,526		9,748,526	3,043,893	3,226,532	182,639
398	Miscellaneous Equipment	2,794,004	10,058	2,783,945	1,370,551	1,452,786	82,235
	Total General	213,821,769	9,159,142	204,662,625	61,179,736	64,850,619	3,670,883
Distribution - North Dakota Only (Vintage Group Treatment)							
368	Line Transformers	13,617,155	2,054,073	11,563,082	8,127,390	7,534,549	(592,841)
368	Line Capacitors	552,642	141,148	411,494	183,677	170,279	(13,398)
370	Meters - Old	1,424,660	1,246,911	177,749	177,749	152,425	(25,324)
370	Meters	5,326,177	979,610	4,346,566	3,160,731	2,930,176	(230,555)
	Total Distribution	20,920,634	4,421,742	16,498,891	11,649,547	10,787,428	(862,119)
	Total Electric Utility	272,743,795	36,364,719	236,379,074	79,779,836	83,005,645	3,225,808

Comparison of Actual and Theoretical Reserve  
**Gas Utility**

Amortized Acct

FERC Account	Account Description	Plant Balance 1/1/2012	Fully Accrued	Recoverable Cost	Theoretical Reserve	Actual Reserve	Difference
Intangible							
303	Intangible Computer Software - 5 Year	4,994,873	1,332,573	3,662,300	892,870	977,047	84,178
Total Intangible		4,994,873	1,332,573	3,662,300	892,870	977,047	84,178
General							
391	Office Furniture & Equipment	877,862		877,862	209,498	228,998	19,500
391	Network Equipment	37,566		37,566	10,907	11,935	1,028
392	Transportation Equipment - Automobiles	83,716		83,716	62,314	68,189	5,875
392	Transportation Equipment - Light Trucks	3,556,524		3,556,524	1,025,131	1,121,778	96,647
392	Transportation Equipment - Trailers	661,434		661,434	187,779	205,482	17,703
392	Transportation Equipment - Heavy Trucks	4,827,305		4,827,305	1,344,738	1,471,517	126,779
393	Stores Equipment	10,091		10,091	252	276	24
394	Tools, Shop & Garage Equipment	4,305,799		4,305,799	2,281,689	2,496,800	215,112
396	Power Operated Equipment	1,132,309	585,015	547,294	168,542	184,431	15,890
397	Communication Equipment	12,618,831	25,116	12,593,714	4,807,641	5,260,893	453,252
397	Communication Equipment - AES	5,634,650		5,634,650	1,235,372	1,351,840	116,468
397	Communication Equipment - EMS	4,166,157		4,166,157	1,554,946	1,701,543	146,596
398	Miscellaneous Equipment	89,194	20,200	68,994	43,152	47,221	4,068
Total General		38,001,438	630,331	37,371,106	12,931,961	14,150,903	1,218,942
Distribution - North Dakota Only (Vintage Group Treatment)							
381	Meters	6,158,963	457,872	5,701,090	4,872,315	5,261,599	389,284
381	Meters - Telemetry	1,325	1,325	-	-	-	-
383	House Regulators	-	-	-	-	-	-
Total Distribution		6,160,288	459,198	5,701,090	4,872,315	5,261,599	389,284
Total Gas Utility		49,156,599	2,422,102	46,734,496	18,697,146	20,389,549	1,692,404

Comparison of Present and Proposed Accruals  
**Common Utility**

Vintage Group

FERC		Plant Balance	Fully	Recoverable	Theoretical	Actual	
Account	Account Description	1/1/2012	Accrued	Cost	Reserve	Reserve	Difference
Intangible							
303	Intangible Computer Software - 3 Year	11,905,829	11,905,829		-	-	-
303	Intangible Computer Software - 5 Year	135,278,764	71,891,882	63,386,881	26,062,241	24,666,948	(1,395,293)
303	Intangible Computer Software - 7 Year	70,726,449	62,397,495	8,328,954	7,734,029	7,734,029	-
303	Intangible Computer Software - 10 Year	20,801,640	20,517,427	284,213	184,738	174,848	(9,890)
Total Intangible		238,712,682	166,712,633	72,000,048	33,981,008	32,575,825	(1,405,183)
General Plant							
391	Office Furniture & Equipment	31,508,621	8,111,042	23,397,579	12,707,053	12,026,756	(680,297)
391	Network Equipment	45,809,354	18,520,537	27,288,817	11,434,532	10,822,362	(612,170)
392	Transportation Equipment - Automobiles	319,097		319,097	99,307	93,990	(5,317)
392	Transportation Equipment - Light Trucks	4,350,598		4,350,598	2,200,111	2,082,324	(117,787)
392	Transportation Equipment - Trailers	1,125,686		1,125,686	340,621	322,385	(18,236)
392	Transportation Equipment - Heavy Trucks	4,425,984		4,425,984	1,725,513	1,633,134	(92,379)
393	Stores Equipment	73,660	64,524	9,136	847	801	(46)
394	Tools, Shop & Garage Equipment	2,419,867	245,990	2,173,877	705,793	668,007	(37,786)
395	Laboratory Equipment	36,686		36,686	27,515	26,042	(1,473)
396	Power Operated Equipment	711,999	4,968	707,031	230,906	218,544	(12,362)
397	Communication Equipment	1,499,822	132,262	1,367,560	779,859	738,108	(41,751)
397	Communication Equipment - Two Way	3,926,377	188,021	3,738,356	2,295,179	2,172,302	(122,877)
398	Miscellaneous Equipment	917,274	105,595	811,679	486,322	460,285	(26,037)
Total General		97,125,025	27,372,939	69,752,086	33,033,558	31,265,040	(1,768,518)
Total Common Utility		335,837,707	194,085,572	141,752,134	67,014,566	63,840,865	(3,173,701)
Total Vintage All Utilities		657,738,101	232,872,392	424,865,704	165,491,548	167,236,059	1,744,512
Total ASL and Vintage All Utilities		3,000,547,190	232,872,392	2,767,674,793	737,296,099	926,705,742	189,409,643

Northern States Power Company - North Dakota: Transmission, Distribution & General Study

Electric Plant  
Transmission Structures & Improvements  
Account 352  
1950-2011

Transaction Year	Transactional History Retirements	Salvage	Removal Cost	Net Salvage	Net Salv. %	2-yr Net Salv. %	3-yr Net Salv. %	4-yr Net Salv. %	5-yr Net Salv. %	6-yr Net Salv. %	7-yr Net Salv. %	8-yr Net Salv. %	9-yr Net Salv. %	10-yr Net Salv. %
1950	896	1,731	1,775	(44)	-4.91%									
1951	1,487	199	528	(329)	-22.13%	-15.65%								
1952	2,385	503	316	187	7.84%	-3.67%	-3.90%							
1953	538	38	246	(208)	-38.66%	-0.72%	-7.94%	-7.43%						
1954	11,453	1,211	514	697	6.09%	4.08%	4.70%	2.19%	1.81%					
1955	3,562	69	424	(355)	-9.97%	2.28%	0.86%	1.79%	-0.04%	-0.26%				
1956	181	50	(8)	58	32.04%	-7.93%	2.63%	1.22%	2.09%	0.26%	0.03%			
1957	3,790	4,473	371	4,102	108.23%	104.76%	50.51%	23.71%	21.99%	20.45%	17.75%	16.91%		
1958	698	-	387	(387)	-55.44%	82.78%	80.81%	41.53%	20.91%	19.32%	18.11%	15.63%	14.89%	
1959	3,809	1,309	499	810	21.27%	9.39%	54.54%	54.06%	35.12%	20.96%	19.63%	18.56%	16.40%	15.73%
1960	6,773	-	1,048	(1,048)	-15.47%	-2.25%	-5.54%	23.07%	23.18%	16.90%	12.81%	11.91%	11.62%	11.17%
1961	-	-	4	(4)	NA	-15.53%	-2.29%	-5.58%	23.05%	23.15%	16.88%	12.80%	11.90%	11.61%
1962	-	-	-	0	NA	NA	-15.53%	-2.29%	-5.58%	23.05%	23.15%	16.88%	12.80%	11.90%
1963	7766	-	-	0	0.00%	0.00%	-0.05%	-7.24%	-1.32%	-3.30%	15.21%	15.34%	11.95%	10.18%
1964	847	63	169	(106)	-12.51%	-1.23%	-1.23%	-1.28%	-1.28%	-1.81%	-3.69%	14.22%	14.35%	11.19%
1965	-	-	-	0	NA	-12.51%	-1.23%	-1.23%	-1.28%	-1.81%	-3.69%	14.22%	14.35%	11.19%
1966	1820	-	899	(899)	-49.40%	-49.40%	-37.68%	-9.63%	-9.63%	-9.67%	-11.96%	-5.93%	-7.53%	9.68%
1967	-	-	-	0	NA	-49.40%	-49.40%	-37.68%	-9.63%	-9.63%	-9.67%	-11.96%	-5.93%	-7.53%
1968	1262	157	116	41	3.25%	3.25%	-27.84%	-27.84%	-24.54%	-8.24%	-8.24%	-8.28%	-10.92%	-5.41%
1969	1221	-	-	0	0.00%	1.65%	1.65%	-19.94%	-19.94%	-18.72%	-7.46%	-7.46%	-7.49%	-10.24%
1970	67	-	272	(272)	-405.97%	-21.12%	-9.06%	-9.06%	-25.86%	-25.86%	-23.69%	-9.52%	-9.52%	-9.55%
1971	7298	82	-	82	1.12%	-2.58%	-2.21%	-1.51%	-1.51%	-8.98%	-8.98%	-9.22%	-5.69%	-5.69%
1972	1105	100	181	(81)	-7.33%	0.01%	-3.20%	-2.80%	-2.10%	-8.84%	-8.84%	-8.84%	-9.07%	-5.77%
1973	-	150	304	(154)	NA	-21.27%	-1.82%	-5.02%	-4.39%	-3.51%	-3.51%	-10.04%	-10.04%	-10.20%
1974	-	-	-	0	NA	NA	-21.27%	-1.82%	-5.02%	-4.39%	-3.51%	-3.51%	-10.04%	-10.04%
1975	-	-	144	(144)	NA	NA	NA	-34.30%	-3.53%	-6.72%	-5.87%	-4.82%	-4.82%	-11.17%
1976	906	30	20	10	1.10%	-14.79%	-14.79%	-14.79%	-18.35%	-3.08%	-5.96%	-5.28%	-4.37%	-14.32%
1977	7646	30,541	1,288	29,253	382.59%	342.18%	340.49%	340.49%	338.69%	299.10%	170.84%	168.57%	157.29%	147.32%
1978	862	-	29	(29)	-3.36%	343.49%	310.54%	309.01%	309.01%	307.37%	274.31%	162.41%	160.28%	150.04%
1979	763	-	-	0	0.00%	-1.78%	315.22%	287.26%	285.84%	285.84%	284.33%	255.76%	155.74%	153.72%
1980	7535	527	465	62	0.82%	0.75%	0.36%	174.26%	165.40%	164.59%	164.59%	163.72%	153.67%	111.04%
1981	1415	-	95	(95)	-6.71%	-0.37%	-0.34%	-0.59%	160.21%	152.67%	151.92%	151.92%	151.11%	142.46%
1982	4801	-	50	(50)	-1.04%	-2.33%	-0.60%	-0.57%	-0.73%	126.58%	121.83%	121.23%	121.23%	120.58%
1983	26150	1,249	3,697	(2,448)	-9.36%	-8.07%	-8.01%	-6.34%	-6.22%	-6.16%	54.28%	53.32%	53.04%	53.04%
1984	281115	-	-	0	0.00%	-0.80%	-0.80%	-0.83%	-0.79%	-0.79%	8.08%	8.08%	8.06%	8.02%
1985	610	5,816	-	5,816	953.44%	2.06%	1.09%	1.06%	1.03%	1.02%	1.02%	1.01%	9.82%	9.80%
1986	358	86,263	34	86,229	24086.31%	9508.78%	32.63%	29.07%	28.61%	28.45%	27.80%	27.74%	27.65%	35.84%
1987	99	29,269	264	29,005	29297.98%	25215.32%	11344.89%	42.90%	38.47%	37.86%	37.66%	36.80%	36.71%	36.60%
1988	-	-	-	0	NA	29297.98%	25215.32%	11344.89%	42.90%	38.47%	37.66%	36.80%	36.71%	36.60%
1989	1577	-	-	0	0.00%	0.00%	1730.61%	5665.39%	4578.29%	42.66%	38.27%	37.67%	37.47%	36.62%
1990	-	-	-	0	NA	0.00%	0.00%	1730.61%	5665.39%	4578.29%	42.66%	38.27%	37.67%	37.47%
1991	399	-	540	(540)	-135.34%	-135.34%	-27.33%	-27.33%	1371.81%	4714.10%	3960.24%	42.41%	38.05%	37.45%
1992	-	-	-	0	NA	-135.34%	-135.34%	-27.33%	-27.33%	1371.81%	4714.10%	3960.24%	42.41%	38.05%
1993	-	-	-	0	NA	NA	-135.34%	-27.33%	-27.33%	1371.81%	4714.10%	3960.24%	42.41%	38.05%
1994	-	-	-	0	NA	NA	NA	-135.34%	-135.34%	-27.33%	-27.33%	1371.81%	4714.10%	3960.24%
1995	-	-	-	0	NA	NA	NA	NA	-135.34%	-135.34%	-27.33%	-27.33%	1371.81%	4714.10%
1996	226	-	7,845	(7,845)	-3471.24%	-3471.24%	-3471.24%	-3471.24%	-3471.24%	-1341.60%	-1341.60%	-380.79%	-380.79%	896.13%
1997	100	-	572	(572)	-572.00%	-2581.90%	-2581.90%	-2581.90%	-2581.90%	-2581.90%	-1235.45%	-1235.45%	-389.10%	-389.10%
1998	7266	-	13,664	(13,664)	-188.05%	-193.27%	-290.85%	-290.85%	-290.85%	-290.85%	-283.08%	-283.08%	-283.08%	-236.42%
1999	1369	-	1,254	(1,254)	-91.60%	-172.76%	-177.33%	-260.41%	-260.41%	-260.41%	-260.41%	-260.41%	-255.07%	-255.07%
2000	20274	2,888	195	2,693	13.28%	6.65%	-42.29%	-44.11%	-70.61%	-70.61%	-70.61%	-70.61%	-70.61%	-70.61%
2001	-	-	-	0	NA	13.28%	6.65%	-42.29%	-44.11%	-70.61%	-70.61%	-70.61%	-70.61%	-70.61%
2002	167	-	-	0	0.00%	0.00%	13.17%	6.60%	-42.04%	-43.86%	-70.21%	-70.21%	-70.21%	-70.21%
2003	-	-	(293,236)	293,236	NA	175590.56%	175590.56%	1447.72%	1351.10%	966.47%	961.20%	927.13%	927.13%	927.13%
2004	-	-	-	0	NA	175590.56%	175590.56%	1447.72%	1351.10%	966.47%	961.20%	927.13%	927.13%	927.13%
2005	302.4	-	265,029	(265,029)	-87641.87%	-87641.87%	9327.79%	6009.21%	6009.21%	148.96%	134.07%	54.40%	52.28%	25.47%
2006	29998.99	-	-	0	0.00%	-874.64%	-874.64%	93.09%	92.58%	90.90%	60.90%	56.89%	26.92%	25.47%
2007	-	-	6,761	(6,761)	NA	-22.54%	-896.96%	-896.96%	70.78%	70.39%	70.39%	47.57%	43.92%	15.53%
2008	18372.08	-	6,167	(6,167)	-33.57%	-70.37%	-26.73%	-571.06%	-571.06%	31.39%	31.28%	23.28%	26.00%	23.72%
2009	27,066.74	0.00	-	0	0.00%	-13.57%	-28.45%	-17.14%	-366.99%	-366.99%	20.13%	20.13%	18.69%	18.69%
2010	34,423.64	0	865	(865)	-2.51%	-1.41%	-8.81%	-17.27%	-12.56%	-253.10%	-253.10%	13.08%	13.08%	13.06%
2011	10,040.30	0	-	0	0.00%	-1.95%	-1.21%	-7.82%	-15.34%	-11.50%	-231.96%	-231.96%	11.99%	11.97%

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Electric Plant  
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Transaction Year	Transactional History Retirements	Salvage	Removal Cost	Net Salvage	Net Salv. %	2- yr Net Salv. %	3- yr Net Salv. %	4- yr Net Salv. %	5- yr Net Salv. %	6- yr Net Salv. %	7- yr Net Salv. %	8- yr Net Salv. %	9- yr Net Salv. %	10- yr Net Salv. %
1950	191,964	176,340	48,541	127,799	66.57%									
1951	70,561	180,071	42,101	137,970	195.53%	101.24%								
1952	159,975	54,947	23,152	31,795	19.87%	73.64%	70.43%							
1953	110,652	79,731	13,886	65,845	59.51%	36.08%	69.06%	68.16%						
1954	116,832	31,302	23,187	8,115	6.95%	32.51%	27.29%	53.21%	57.16%					
1955	146,434	87,842	9,116	78,726	53.76%	32.99%	40.83%	34.55%	53.35%	56.53%				
1956	74,919	50,355	8,746	41,609	55.54%	54.36%	37.98%	43.29%	37.14%	53.59%	56.45%			
1957	88,488	12,975	5,396	7,579	8.57%	30.10%	41.28%	31.88%	37.57%	33.51%	48.40%	52.03%		
1958	410,941	163,277	53,339	109,938	26.75%	23.53%	27.71%	33.00%	29.37%	32.88%	31.00%	40.85%	44.46%	
1959	397,946	118,581	18,089	100,492	25.25%	26.01%	24.29%	26.70%	30.24%	28.04%	30.63%	29.48%	36.92%	40.13%
1960	549,879	386,301	41,072	345,229	62.78%	47.03%	40.89%	38.92%	39.74%	40.97%	38.74%	39.95%	38.39%	43.60%
1961	159,757	59,808	9,108	50,700	31.74%	55.79%	44.82%	39.93%	38.20%	38.98%	40.16%	38.17%	39.31%	37.91%
1962	389,752	161,049	54,014	107,035	27.46%	28.70%	45.75%	40.30%	37.38%	36.11%	36.81%	37.93%	36.38%	37.43%
1963	72,639	24,783	9,442	15,341	21.12%	26.47%	27.82%	44.22%	39.41%	36.79%	35.58%	36.28%	37.40%	35.92%
1964	726,080	297,566	85,882	211,684	29.15%	28.42%	28.11%	28.54%	38.46%	36.17%	34.74%	33.91%	34.48%	35.41%
1965	225,943	84,153	5,444	78,709	34.84%	30.50%	29.84%	29.18%	29.44%	38.07%	36.05%	34.75%	33.98%	34.50%
1966	507,545	192,714	26,904	165,810	32.67%	33.34%	31.26%	30.78%	30.10%	30.23%	37.03%	35.48%	34.44%	33.79%
1967	279,550	35,831	3,231	32,600	11.66%	25.21%	27.36%	28.11%	27.83%	27.76%	28.03%	34.59%	33.47%	32.73%
1968	486,289	167,934	18,934	149,000	30.64%	23.71%	27.28%	28.42%	28.66%	28.42%	28.28%	28.48%	34.03%	33.11%
1969	508,667	126,873	46,479	80,394	15.80%	23.06%	20.56%	24.01%	25.22%	26.27%	26.14%	26.30%	26.56%	26.09%
1970	736,674	216,280	80,729	135,551	18.40%	17.34%	21.08%	19.77%	22.37%	23.39%	24.60%	24.53%	24.82%	25.09%
1971	531,867	201,148	98,705	102,443	19.26%	18.76%	17.92%	20.65%	19.66%	21.83%	22.72%	23.89%	24.84%	24.16%
1972	248,789	83,290	17,122	66,168	26.60%	21.60%	20.05%	18.98%	21.24%	20.28%	22.18%	23.00%	24.05%	24.00%
1973	423,612	132,467	69,255	63,212	14.92%	19.24%	19.25%	18.93%	18.28%	20.33%	19.57%	21.36%	22.13%	23.22%
1974	200,482	25,328	16,391	8,937	4.46%	11.56%	15.85%	17.14%	17.57%	17.23%	19.31%	18.69%	20.49%	21.28%
1975	362,121	119,581	48,000	71,581	19.77%	14.31%	14.57%	17.00%	17.68%	17.89%	17.54%	19.36%	18.79%	20.43%
1976	379,610	312,892	69,690	243,202	64.07%	42.44%	34.36%	28.33%	28.06%	25.88%	23.97%	22.75%	23.74%	22.92%
1977	801,014	206,243	101,718	104,525	13.05%	29.45%	27.18%	24.57%	22.68%	23.08%	22.39%	21.60%	20.89%	21.91%
1978	491,438	136,324	60,333	75,991	15.46%	13.97%	25.34%	24.35%	22.56%	21.35%	21.80%	21.40%	20.87%	20.32%
1979	648,564	132,686	108,806	23,880	3.68%	8.76%	10.53%	19.29%	19.35%	18.32%	17.88%	18.49%	18.59%	18.56%
1980	896,318	233,732	200,756	32,976	3.68%	3.68%	6.52%	8.37%	14.94%	15.43%	14.85%	14.85%	15.51%	15.91%
1981	96,150	130,929	69,919	61,010	63.45%	9.47%	7.18%	9.09%	10.17%	16.35%	16.68%	16.05%	15.94%	16.52%
1982	538,499	(26,070)	141,399	(167,469)	-31.10%	-16.77%	-4.80%	-2.28%	0.99%	3.77%	9.71%	10.58%	10.30%	10.70%
1983	1,076,523	132,045	18,020	114,025	10.59%	-3.31%	0.44%	1.55%	1.98%	3.75%	5.39%	9.91%	10.58%	10.36%
1984	3,778,188	299,712	168,894	130,818	3.46%	5.04%	1.43%	2.52%	2.68%	2.78%	3.60%	4.51%	7.11%	7.61%
1985	1,333,389	55,528	177,732	(122,204)	-9.16%	0.17%	1.98%	-0.67%	0.24%	0.64%	0.87%	1.68%	2.62%	4.95%
1986	681,949	197,685	121,556	76,129	11.16%	-2.29%	1.46%	2.89%	0.42%	1.23%	1.49%	1.65%	2.36%	3.19%
1987	1,495,011	307,955	393,909	(85,954)	-5.75%	-0.45%	-3.76%	-0.02%	1.35%	-0.61%	0.07%	0.40%	0.60%	1.26%
1988	367,753	114,656	102,754	11,902	3.24%	-3.98%	0.08%	-3.10%	0.14%	1.43%	-0.46%	0.19%	0.50%	0.69%
1989	783,633	281,424	111,715	169,709	21.66%	15.77%	3.61%	5.16%	1.06%	2.14%	3.09%	1.26%	1.85%	2.00%
1990	989,156	22,256	96,524	(74,268)	-7.51%	5.38%	5.01%	0.59%	2.26%	-0.44%	1.13%	2.10%	0.48%	1.02%
1991	802,610	53,860	210,915	(157,055)	-19.57%	-12.91%	-2.39%	-1.69%	-3.06%	-1.16%	-2.82%	-0.50%	0.56%	-0.88%
1992	2,030,582	2,259	69,634	(67,375)	-3.32%	-7.92%	-7.81%	-2.80%	-2.35%	-3.14%	-1.77%	-2.94%	-0.96%	-0.03%
1993	1,561,351	13,192	148,591	(135,399)	-8.67%	-5.65%	-8.19%	-8.06%	-4.29%	-3.86%	-4.21%	-3.01%	-3.83%	-1.84%
1994	710,094	314,444	207,985	106,459	14.99%	-1.27%	-2.24%	-4.96%	-5.38%	-2.30%	-2.02%	-2.65%	-1.65%	-2.59%
1995	3,944,102	16,898	264,933	(248,035)	-6.29%	-3.04%	-4.46%	-4.18%	-5.54%	-5.73%	-3.75%	-3.52%	-3.78%	-3.02%
1996	1,224,121	440,616	149,425	291,191	23.79%	0.84%	2.55%	0.19%	-0.56%	-2.05%	-2.53%	-0.95%	-0.83%	-1.36%
1997	914,410	637,637	155,031	482,606	52.78%	36.18%	8.64%	9.31%	5.95%	4.14%	2.43%	1.63%	2.84%	2.85%
1998	831,318	18,885	241,920	(223,035)	-26.83%	14.87%	18.55%	4.38%	5.37%	2.98%	1.84%	0.41%	-0.19%	1.05%
1999	1,315,619	36,091	156,238	(120,147)	-9.13%	-15.98%	4.55%	10.05%	2.22%	3.23%	1.46%	0.69%	-0.53%	-1.01%
2000	1,639,005	(1,744)	190,275	(192,019)	-11.72%	-10.57%	-14.14%	-1.12%	4.03%	-0.10%	0.92%	-0.32%	-0.75%	-1.76%
2001	39,440	(3,176)	17,727	(20,903)	-53.00%	-12.69%	-11.12%	-14.54%	-1.55%	3.65%	-0.31%	0.72%	-0.49%	-0.89%
2002	1,859,766	-	0	0	0.00%	-1.10%	-6.02%	-6.86%	-9.78%	-1.11%	2.78%	-0.26%	0.61%	-0.42%
2003	1,085,106	(1,209)	381,872	(383,081)	-35.30%	-13.01%	-13.54%	-12.89%	-12.06%	-13.87%	-5.94%	-1.86%	-3.22%	-2.26%
2004	542,834	41,245	(41,245)	-7.60%	-26.07%	-12.17%	-12.62%	-12.34%	-11.69%	-13.41%	-6.05%	-2.19%	-3.39%	-3.39%
2005	2,000,659	4,383	52,568	(48,185)	-2.41%	-3.52%	-13.02%	-8.61%	-9.93%	-9.56%	-11.04%	-5.50%	-2.33%	-2.33%
2006	3,692,015	550	130,120	(129,570)	-3.51%	-3.12%	-3.51%	-8.22%	-6.56%	-6.76%	-7.51%	-7.68%	-8.91%	-4.85%
2007	1,694,619	7,351	460,554	(453,203)	-26.74%	-10.82%	-9.61%	-8.48%	-11.71%	-9.70%	-9.86%	-10.10%	-10.01%	-10.96%
2008	5,601,754	6,241	479,200	(472,959)	-8.44%	-12.69%	-9.61%	-8.50%	-8.46%	-10.46%	-9.28%	-9.38%	-9.59%	-9.56%
2009	4,134,752	171,442	1,930,047	(1,758,605)	-42.53%	-22.92%	-23.49%	-18.61%	-16.72%	-16.44%	-17.53%	-16.02%	-15.95%	-15.70%
2010	3,712,372	274,770	1,252,152	(977,382)	-26.33%	-34.87%	-23.86%	-24.18%	-20.13%	-18.43%	-18.15%	-18.98%	-17.53%	-17.59%
2011	1,981,644	53,259	535,803	(482,544)	-24.35%	-25.64%	-32.75%	-23.92%	-24.20%	-20.53%	-18.94%	-18.68%	-19.42%	-18.04%

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Transaction Year	Transactional History		Removal Cost	Net		2- yr Net Salv. %	3- yr Net Salv. %	4- yr Net Salv. %	5- yr Net Salv. %	6- yr Net Salv. %	7- yr Net Salv. %	8- yr Net Salv. %	9- yr Net Salv. %	10- yr Net Salv. %
	Retirements	Salvage		Net Salvage	Net Salv. %									
1950	5,137	1,126	1,198	(72)	-1.40%									
1951	4,469	1,211	1,883	(672)	-15.04%									
1952	17,453	3,625	6,653	(3,028)	-17.35%									
1953	95,405	25	1,152	(1,127)	-1.18%									
1954	28,378	6,829	22,713	(15,884)	-55.97%									
1955	48,056	11,358	3,906	7,452	15.51%									
1956	75,376	20,286	10,283	10,003	13.27%									
1957	15,608	(4,253)	3,233	(7,486)	-47.96%									
1958	4,259	142	473	(331)	-7.77%									
1959	27,921	2,034	4,693	(2,659)	-9.52%									
1960	139,212	8,729	11,417	(2,688)	-1.93%									
1961	80	9,850	116	9,734	12167.50%									
1962	65,157	5,507	6,346	(839)	-1.29%									
1963	11,484	1,946	416	1,530	13.32%									
1964	42,181	12,565	4,938	7,627	18.08%									
1965	108,461	32,823	25,965	6,858	6.32%									
1966	66,602	11,585	23,391	(11,806)	-17.73%									
1967	24,852	3,837	2,376	1,461	5.88%									
1968	-	21,334	109	21,225	NA									
1969	126,023	5,071	4,382	689	0.55%									
1970	19,867	22,427	13,606	8,821	44.40%									
1971	252,127	35,726	22,723	13,003	5.16%									
1972	61,161	(2,185)	13,532	(15,717)	-25.70%									
1973	149,420	42,544	17,215	25,329	16.95%									
1974	49,170	18,174	4,985	13,189	26.82%									
1975	23,642	14,772	17,507	(2,735)	-11.57%									
1976	-	22,717	10,400	12,317	NA									
1977	169,482	70,815	29,259	41,556	24.52%									
1978	350,643	257,809	41,825	215,984	61.60%									
1979	18,201	9,958	12,121	(2,163)	-11.88%									
1980	100,524	18,387	14,219	4,168	4.15%									
1981	29,197	1,775	5,039	(3,264)	-11.18%									
1982	5,835	(33,129)	9,454	(42,583)	-729.79%									
1983	122,176	29,994	41,975	(11,981)	-9.81%									
1984	-	19,000	-	19,000	NA									
1985	1,470	72,266	635	71,631	4872.86%									
1986	771,164	304,620	126,208	178,412	23.14%									
1987	85,031	597,823	23,267	574,556	675.70%									
1988	6,013	(606,158)	2,157	(608,315)	-10116.66%									
1989	298,129	84,516	154,395	(69,879)	-22.99%									
1990	32,696	83,803	18,930	64,873	198.41%									
1991	9,185	4,127	3,153	974	10.60%									
1992	7,695	(71)	1,568	(1,639)	-21.30%									
1993	1,675	2,196	3,800	(1,604)	-95.76%									
1994	70,269	(2,585)	17,612	(20,197)	-28.74%									
1995	69,321	3,601	49,139	(45,538)	-65.69%									
1996	58,445	1,437	27,924	(26,487)	-45.32%									
1997	164,171	22,683	136,727	(114,044)	-69.47%									
1998	64,321	157,833	59,740	98,093	152.51%									
1999	79,359	80,232	130,791	(50,559)	-63.71%									
2000	60,059	214,554	(40,817)	255,371	425.20%									
2001	-	-	-	0	NA									
2002	-	-	-	0	NA									
2003	2105.8	-	8,428	(8,428)	-400.21%									
2004	-	-	-	0	NA									
2005	48,071	2,048	-	2,048	4.26%									
2006	33,506	-	2,918	(2,918)	-8.71%									
2007	703,227	15,884	324,292	(308,407)	-43.86%									
2008	234,988	34,836	101,780	(66,945)	-28.49%									
2009	105,709	1,658	150,046	(148,388)	-140.37%									
2010	173,217	9,004	455,095	(446,092)	-257.53%									
2011	237,279	69,915	149,116	(79,201)	-33.38%									

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Transaction Year	Transactional History Retirements	Salvage	Removal Cost	Net Salvage	Net Salv. %	2- yr Net Salv. %	3- yr Net Salv. %	4- yr Net Salv. %	5- yr Net Salv. %	6- yr Net Salv. %	7- yr Net Salv. %	8- yr Net Salv. %	9- yr Net Salv. %	10- yr Net Salv. %
1950	70,100	32,402	22,397	10,005	14.27%									
1951	50,082	22,546	19,593	2,953	5.90%	10.78%								
1952	201,436	36,689	39,127	(2,438)	-1.21%	0.20%	3.27%							
1953	206,370	35,077	43,073	(7,996)	-3.87%	-2.56%	-1.63%	0.48%						
1954	127,421	24,869	53,065	(28,196)	-22.13%	-10.84%	-7.22%	-6.10%	-3.92%					
1955	91,662	29,835	26,367	3,468	3.78%	-11.29%	-7.69%	-5.61%	-4.76%	-2.97%				
1956	128,899	28,462	57,629	(29,167)	-22.63%	-11.65%	-15.49%	-11.16%	-8.51%	-7.62%	-5.86%			
1957	167,895	43,254	60,301	(17,047)	-10.15%	-15.57%	-11.00%	-11.03%	-10.93%	-8.81%	-8.05%	-6.55%		
1958	111,243	23,080	37,105	(14,025)	-12.61%	-11.13%	-14.76%	-11.36%	-13.55%	-11.15%	-9.22%	-8.52%	-7.14%	
1959	247,433	54,609	65,786	(11,177)	-4.52%	-7.03%	-8.02%	-10.90%	-9.09%	-10.99%	-9.63%	-8.31%	-7.78%	-6.68%
1960	110,397	26,450	29,450	(3,000)	-2.72%	-3.96%	-6.01%	-7.10%	-9.72%	-8.27%	-10.07%	-8.99%	-7.87%	-7.39%
1961	83,212	29,390	27,880	1,510	1.81%	-0.77%	-2.87%	-4.83%	-6.07%	-8.59%	-7.38%	-9.14%	-8.29%	-7.32%
1962	223,750	60,045	74,847	(14,802)	-6.62%	-4.33%	-3.90%	-4.13%	-5.35%	-6.20%	-8.18%	-7.23%	-8.70%	-8.04%
1963	123,649	36,193	37,982	(1,789)	-1.45%	-4.78%	-3.50%	-3.34%	-3.71%	-4.81%	-5.65%	-7.48%	-6.68%	-8.07%
1964	171,286	39,546	88,834	(49,288)	-28.78%	-17.32%	-12.70%	-10.69%	-9.46%	-8.18%	-8.64%	-8.85%	-10.15%	-9.27%
1965	239,572	59,859	91,231	(31,372)	-13.10%	-19.63%	-15.43%	-12.83%	-11.38%	-10.37%	-9.17%	-9.46%	-9.54%	-10.59%
1966	268,572	56,610	93,246	(36,636)	-13.64%	-13.38%	-17.26%	-14.83%	-13.04%	-11.93%	-11.09%	-9.98%	-10.17%	-10.17%
1967	236,404	41,635	69,071	(27,436)	-11.61%	-12.69%	-12.82%	-15.80%	-14.10%	-12.77%	-11.87%	-12.18%	-10.21%	-10.36%
1968	68,692	22,497	800	21,697	31.59%	-1.88%	-7.39%	-9.07%	-12.50%	-11.26%	-10.48%	-9.76%	-9.25%	-8.59%
1969	79,370	19,302	29,837	(10,535)	-13.27%	7.54%	-4.23%	-8.10%	-9.44%	-12.55%	-11.40%	-10.64%	-9.95%	-9.45%
1970	252,523	111,140	99,614	11,526	4.56%	0.30%	5.66%	-0.75%	-4.57%	-6.35%	-9.27%	-8.60%	-8.33%	-7.85%
1971	370,127	138,795	165,556	(26,761)	-7.23%	-2.45%	-3.67%	-2.53%	-3.13%	-5.34%	-6.57%	-8.82%	-8.32%	-8.13%
1972	267,968	84,801	98,589	(13,788)	-5.15%	-6.35%	-3.26%	-4.08%	-1.72%	-3.55%	-5.31%	-6.35%	-8.32%	-7.91%
1973	331,314	61,745	111,817	(50,072)	-15.11%	-10.66%	-9.35%	-15.11%	-10.66%	-9.35%	-6.47%	-4.96%	-7.04%	-9.30%
1974	224,263	131,581	36,855	94,726	42.24%	8.04%	3.75%	0.34%	1.08%	0.33%	1.68%	-0.04%	-1.78%	-2.94%
1975	100,106	204,026	127,550	76,476	76.40%	52.78%	18.47%	11.62%	6.23%	5.96%	5.02%	6.09%	3.93%	1.78%
1976	137,635	184,179	75,773	108,406	78.76%	77.77%	60.52%	28.93%	20.33%	13.20%	11.91%	10.77%	11.55%	8.91%
1977	575,616	333,652	213,369	120,283	20.90%	32.06%	20.90%	38.54%	25.55%	20.53%	15.41%	14.20%	13.27%	13.79%
1978	330,102	256,514	215,647	40,867	12.38%	17.79%	25.84%	30.26%	32.23%	22.99%	19.16%	14.98%	13.97%	13.16%
1979	130,511	270,156	73,349	196,807	150.80%	51.60%	34.54%	39.73%	42.61%	42.55%	32.11%	27.35%	22.16%	20.53%
1980	80,479	168,944	104,321	64,623	80.30%	123.91%	55.87%	37.84%	42.33%	44.85%	44.48%	34.14%	29.31%	24.00%
1981	1,347,903	308,088	81,854	226,234	16.78%	20.36%	31.28%	27.98%	26.33%	29.10%	30.85%	31.72%	26.96%	24.52%
1982	188,625	213,387	220,081	(6,694)	-3.55%	14.29%	17.57%	27.52%	25.12%	24.20%	26.89%	28.61%	29.59%	25.29%
1983	284,723	100,616	186,190	(85,574)	-30.06%	-19.49%	7.36%	10.44%	19.46%	18.47%	18.94%	21.62%	23.35%	24.59%
1984	128,508	122,917	98,108	24,809	19.31%	-14.70%	-11.21%	8.14%	11.00%	19.45%	18.51%	18.96%	21.53%	23.19%
1985	203,768	355,866	235,581	120,285	59.03%	43.67%	9.65%	6.56%	12.96%	15.38%	22.86%	21.57%	21.46%	23.77%
1986	334,582	1,323,661	229,431	1,094,230	327.04%	225.60%	185.85%	121.25%	100.60%	55.19%	55.98%	60.57%	55.31%	49.82%
1987	249,239	354,980	119,514	235,466	94.47%	227.76%	184.10%	160.99%	115.69%	99.50%	58.77%	59.39%	63.43%	58.29%
1988	193,583	497,454	146,452	351,002	181.32%	132.44%	216.19%	183.55%	164.53%	124.80%	109.51%	66.86%	67.22%	70.70%
1989	169,113	753,487	170,878	582,609	344.51%	257.41%	191.05%	239.12%	207.22%	188.33%	148.56%	132.19%	82.01%	81.97%
1990	143,770	1,000,396	177,284	823,112	572.52%	449.28%	346.86%	263.62%	283.08%	247.80%	227.16%	184.27%	165.58%	103.75%
1991	87,872	683,749	100,947	582,802	663.24%	606.93%	496.19%	393.64%	305.25%	311.44%	274.22%	252.53%	207.71%	187.62%
1992	711,569	103,508	311,292	(207,784)	-29.20%	46.91%	127.03%	160.09%	163.24%	152.22%	183.17%	171.09%	162.31%	140.46%
1993	231,185	404,483	281,046	123,437	53.39%	-8.95%	48.36%	112.53%	141.73%	146.72%	139.43%	169.03%	159.38%	152.05%
1994	459,243	375,526	373,995	1,531	0.33%	18.10%	-5.91%	33.56%	80.99%	105.71%	113.04%	110.98%	139.00%	133.15%
1995	116,978	204,081	423,835	(219,754)	-52.70%	-24.91%	-8.56%	-16.63%	14.70%	53.81%	75.95%	84.40%	85.35%	112.33%
1996	489,131	308,154	243,738	64,416	13.17%	-17.14%	-11.27%	-1.90%	-10.32%	14.38%	45.98%	64.62%	72.40%	74.15%
1997	781,592	997,904	466,262	531,642	68.02%	46.91%	22.30%	17.60%	21.08%	9.50%	27.58%	51.17%	65.38%	71.47%
1998	2,027,225	795,153	1,218,497	(423,344)	-20.88%	3.86%	5.24%	-1.27%	-1.09%	1.77%	-2.54%	8.70%	23.86%	33.69%
1999	930,274	1,274,243	438,875	835,368	89.80%	13.93%	25.24%	23.84%	16.97%	15.47%	17.12%	11.67%	21.00%	33.63%
2000	289,043	270,031	334,971	(64,940)	-22.47%	63.19%	10.69%	21.81%	20.88%	14.66%	13.44%	15.08%	10.11%	19.04%
2001	-	-	3,212	(3,212)	NA	-23.58%	62.92%	10.59%	21.73%	20.81%	14.60%	13.38%	15.03%	10.06%
2002	12,905	-	5,879	(5,879)	-45.56%	-70.45%	-24.52%	61.79%	10.37%	21.52%	20.62%	14.44%	13.24%	14.89%
2003	162,498	17,469	377,435	(359,966)	-221.52%	-208.57%	-210.41%	-93.44%	28.78%	-0.64%	12.12%	12.23%	6.93%	6.39%
2004	2,241	-	(1,739)	1,739	77.61%	-217.45%	-204.96%	-206.77%	-92.62%	28.86%	-0.59%	12.16%	12.26%	6.97%
2005	412,293	31,152	399,304	(368,152)	-88.29%	-88.39%	-125.88%	-124.13%	-124.67%	-91.06%	1.93%	-10.12%	3.10%	4.07%
2006	259,110	1,912	145,405	(143,492)	-55.38%	-76.21%	-75.69%	-104.03%	-103.15%	-103.52%	-82.94%	-5.25%	-12.99%	0.00%
2007	1,628,805	**	137,389	(1,595,386)	-92.11%	-92.11%	-91.60%	-91.44%	-100.01%	-99.73%	-99.86%	-91.77%	-46.09%	-37.16%
2008	1,099,496	**	191,085	(2,265,061)	(2,073,976)	-188.63%	-134.49%	-127.63%	-122.98%	-122.85%	-127.35%	-127.05%	-119.32%	-78.76%
2009	1,265,628		2,742,996	(2,476,323)	-195.66%	-192.39%	-153.88%	-147.87%	-142.70%	-142.59%	-145.25%	-144.98%	-145.05%	-138.14%
2010	1,555,659		2,089,498	(1,982,676)	-127.45%	-158.05%	-166.62%	-146.47%	-142.40%	-138.88%	-138.81%	-140.91%	-140.72%	-140.77%
2011	3,743,214		1,466,900	(1,342,778)	-35.87%	-62.76%	-88.38%	-102.76%	-101.92%	-100.66%	-100.19%	-100.15%	-102.09%	-102.02%

\*\* Includes retirements not posted until 2012 removal cost posted 2007and 2008

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Transaction Year	Transactional History Retirements	Salvage	Removal Cost	Net Salvage	Net Salv. %	2- yr Net Salv. %	3- yr Net Salv. %	4- yr Net Salv. %	5- yr Net Salv. %	6- yr Net Salv. %	7- yr Net Salv. %	8- yr Net Salv. %	9- yr Net Salv. %	10- yr Net Salv. %
1950	66,825	51,664	18,824	32,840	49.14%									
1951	84,714	33,273	21,542	11,731	13.85%	29.41%								
1952	93,134	60,409	32,050	28,359	30.45%	22.54%	29.81%							
1953	348,127	168,272	43,587	124,685	35.82%	34.68%	31.33%	33.34%						
1954	130,287	177,443	55,960	121,483	93.24%	51.46%	48.03%	43.62%	44.13%					
1955	99,963	53,912	12,266	41,646	41.66%	70.85%	49.76%	47.08%		43.83%				
1956	192,894	187,331	51,025	136,306	70.66%	60.76%	70.76%	54.99%	52.35%	48.91%	48.92%			
1957	175,856	120,104	39,717	80,387	45.71%	58.76%	55.12%	63.41%	53.27%	51.22%		48.41%		
1958	139,213	67,143	33,274	33,869	24.33%	36.26%	49.33%	48.07%	56.04%	49.56%	48.05%	45.76%	45.93%	
1959	267,860	147,854	46,604	101,250	37.80%	33.19%	36.97%	45.35%	44.93%	51.18%	47.23%	46.15%	44.37%	44.57%
1960	155,789	106,235	26,450	79,785	51.21%	42.73%	38.18%	39.97%	46.33%	45.88%	51.19%	47.64%	46.64%	45.00%
1961	103,733	70,900	31,932	38,968	37.57%	45.76%	41.72%	38.08%	39.68%	45.45%	45.12%	50.07%	47.00%	46.09%
1962	256,965	133,567	75,527	58,040	22.59%	26.89%	34.23%	35.45%	33.77%	35.68%	40.90%	40.96%	45.43%	43.64%
1963	118,219	64,060	35,581	28,479	24.09%	23.06%	26.20%	32.34%	33.96%	32.67%	34.56%	39.49%	39.64%	43.89%
1964	183,379	71,468	53,360	18,108	9.87%	15.45%	18.73%	21.68%	27.31%	29.89%	29.26%	31.33%	36.09%	36.42%
1965	213,562	104,613	60,847	43,766	20.49%	15.59%	17.54%	19.22%	21.39%	25.90%	28.35%	27.96%	29.89%	34.24%
1966	295,258	151,009	83,481	67,528	22.87%	21.87%	18.69%	19.48%	20.23%	21.76%	25.22%	27.33%	27.09%	28.81%
1967	188,886	92,577	48,030	44,547	23.58%	23.15%	22.34%	19.74%	20.26%	20.73%	22.02%	25.02%	26.94%	26.75%
1968	92,881	46,343	655	45,688	49.19%	32.02%	27.34%	25.49%	22.55%	22.72%	22.69%	23.75%	26.41%	28.04%
1969	85,761	55,659	33,591	22,068	25.73%	37.93%	30.56%	27.13%	25.51%	22.81%	22.94%	22.87%	23.86%	23.38%
1970	266,406	151,399	81,777	69,622	26.13%	26.04%	30.87%	28.70%	26.85%	25.66%	23.48%	23.53%	23.38%	24.20%
1971	494,579	189,987	136,339	53,648	10.85%	16.20%	17.16%	20.33%	20.87%	21.29%	21.18%	20.05%	20.29%	20.56%
1972	264,526	93,323	81,191	12,132	4.59%	8.67%	13.20%	14.17%	16.87%	17.78%	18.67%	18.88%	18.08%	18.41%
1973	179,397	116,504	103,292	13,212	7.36%	5.71%	13.22%	12.33%	13.22%	15.64%	16.59%	17.59%	17.88%	17.24%
1974	196,988	146,743	29,911	116,832	59.31%	34.55%	22.18%	17.25%	18.93%	19.33%	21.08%	21.35%	21.57%	21.47%
1975	134,395	240,271	105,041	135,230	100.62%	76.06%	51.94%	35.78%	26.07%	26.08%	26.06%	27.31%	26.94%	26.40%
1976	106,926	145,175	62,401	82,774	77.41%	90.34%	76.39%	56.35%	40.83%	30.06%	29.42%	29.24%	30.26%	29.63%
1977	611,357	494,298	175,552	318,746	52.14%	55.90%	62.95%	62.27%	54.25%	45.46%	36.85%	35.58%	35.22%	37.5%
1978	343,077	364,284	152,650	211,634	61.69%	55.57%	57.77%	62.59%	62.12%	55.87%	48.49%	40.50%	39.03%	38.60%
1979	74,994	266,280	64,971	201,309	268.43%	98.77%	71.08%	71.67%	74.73%	72.66%	65.55%	57.12%	47.61%	45.47%
1980	93,579	84,918	85,311	(393)	-0.42%	119.19%	80.63%	65.12%	66.19%	69.58%	68.28%	62.01%	54.43%	45.81%
1981	1,689,484	247,910	30,473	217,437	12.87%	12.17%	22.52%	28.62%	33.73%	35.33%	38.21%	39.48%	37.80%	35.43%
1982	139,903	758,104	927,671	(169,567)	-121.20%	2.62%	2.47%	12.45%	19.67%	26.39%	28.17%	31.22%	32.85%	31.57%
1983	328,391	120,578	241,973	(121,395)	-36.97%	-62.13%	-3.41%	-3.28%	5.48%	12.70%	20.05%	21.86%	24.87%	26.69%
1984	170,389	27,135	124,969	(97,834)	-57.42%	-43.95%	-60.87%	-7.36%	-7.09%	1.18%	8.49%	16.22%	18.06%	21.07%
1985	191,637	238,772	160,619	78,153	40.78%	-5.44%	-20.43%	-37.41%	-3.70%	-3.58%	4.01%	10.53%	17.52%	19.22%
1986	623,823	561,713	222,874	338,839	54.32%	51.14%	32.37%	15.05%	1.94%	7.81%	7.58%	13.48%	18.01%	22.90%
1987	389,119	215,415	154,512	60,903	15.65%	39.46%	39.67%	27.64%	15.19%	4.83%	8.68%	8.44%	13.71%	17.78%
1988	243,975	325,768	163,428	162,340	66.54%	35.26%	44.72%	44.20%	33.50%	21.62%	12.05%	12.41%	12.10%	16.98%
1989	413,472	397,933	367,640	30,293	7.33%	29.30%	24.23%	35.46%	36.01%	28.18%	19.12%	11.27%	11.91%	11.64%
1990	162,316	196,148	197,065	(917)	-0.56%	5.10%	23.39%	20.90%	32.27%	33.08%	26.05%	17.85%	10.54%	11.45%
1991	86,293	485,828	83,157	402,671	466.63%	161.60%	65.26%	65.60%	50.59%	51.80%	50.80%	42.72%	32.69%	24.86%
1992	1,222,511	292,579	476,128	(183,549)	-15.01%	16.74%	14.83%	13.19%	19.30%	18.74%	25.80%	26.66%	22.57%	17.47%
1993	288,459	221,104	359,990	(138,886)	-48.15%	-21.34%	5.02%	4.51%	5.04%	11.25%	11.86%	19.58%	20.70%	17.19%
1994	411,416	118,412	395,767	(277,355)	-67.41%	-59.47%	-31.20%	-9.81%	-9.12%	-6.49%	-10.19%	1.72%	10.27%	11.72%
1995	197,726	335,547	518,325	(182,778)	-19.92%	-34.62%	-37.03%	-27.55%	-12.98%	-12.33%	-10.01%	-5.02%	-3.08%	4.45%
1996	1,007,759	367,203	675,241	(308,038)	-30.57%	-25.49%	-32.87%	-34.55%	-28.34%	-17.49%	-16.82%	-14.60%	-10.44%	-8.46%
1997	859,056	808,761	494,959	313,802	36.53%	0.31%	-6.36%	-14.22%	-17.03%	-16.50%	-7.81%	-7.57%	-6.42%	-3.25%
1998	1,165,034	498,655	801,651	(302,996)	-26.01%	0.53%	-9.80%	-12.15%	-17.37%	-19.28%	-18.39%	-11.36%	-11.08%	-9.91%
1999	701,725	877,112	529,973	347,139	49.47%	2.36%	13.13%	1.34%	-2.86%	-8.10%	-10.26%	-11.15%	-4.95%	-4.85%
2000	243,948	263,013	209,472	53,541	21.95%	42.37%	4.63%	13.86%	2.60%	-1.62%	-6.72%	-8.86%	-9.96%	-4.00%
2001	-	-	-	0	NA	21.95%	42.37%	4.63%	13.86%	2.60%	-1.62%	-8.86%	-9.96%	-4.00%
2002	5,128	-	5,403	(5,403)	-105.37%	-105.37%	19.33%	41.57%	4.36%	13.65%	2.46%	-1.73%	-6.82%	-8.95%
2003	220,143	30,977	234,143	(203,167)	-92.29%	-92.29%	-33.04%	-33.04%	16.41%	-4.75%	6.35%	-2.50%	-5.62%	-10.22%
2004	-	-	137,278	(137,278)	NA	-154.65%	-153.53%	-153.53%	-62.30%	4.68%	-10.62%	2.05%	-5.77%	-8.30%
2005	429,863	12,429	646,727	(634,298)	-147.56%	-149.96%	-149.96%	-149.96%	-149.61%	-103.06%	-36.20%	-31.91%	-15.69%	-18.92%
2006	288,470	-	309,266	(309,266)	-107.21%	-131.35%	-150.47%	-136.82%	-136.65%	-136.65%	-104.07%	-47.04%	-39.02%	-22.43%
2007	1,593,569 **	221,414	1,896,807	(1,675,393)	-105.13%	-105.13%	-113.22%	-113.22%	-116.88%	-116.88%	-116.85%	-104.68%	-73.62%	-61.69%
2008	1,389,790 **	341,108	1,389,569	(1,048,461)	-75.44%	-91.30%	-92.70%	-99.07%	-102.78%	-102.19%	-102.20%	-102.20%	-94.94%	-74.14%
2009	2,037,880	376,190	1,075,084	(698,894)	-34.30%	-50.98%	-68.17%	-70.29%	-76.07%	-78.47%	-79.98%	-79.00%	-79.00%	-79.00%
2010	4,956,065	130,964	958,324	(827,359)	-16.69%	-21.82%	-30.71%	-42.60%	-44.41%	-48.56%	-49.84%	-50.70%	-50.72%	-50.72%
2011	6,369,157	307,363	507,005	(199,642)	-3.13%	-9.07%	-12.92%	-18.81%	-27.22%	-28.61%	-31.60%	-32.41%	-33.17%	-33.19%

\*\* Includes retirements not posted until 2012 removal cost posted 2007and 2008

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1950	-	11	-	11	NA									
1951	-	-	-	0	NA									
1952	-	-	-	0	NA									
1953	-	302	51	251	NA									
1954	-	-	-	0	NA									
1955	-	-	-	0	NA									
1956	-	-	-	0	NA									
1957	-	-	-	0	NA									
1958	-	882	1,363	(481)	NA									
1959	-	-	-	0	NA									
1960	-	-	-	0	NA									
1961	-	-	-	0	NA									
1962	-	-	-	0	NA									
1963	-	-	-	0	NA									
1964	-	-	-	0	NA									
1965	-	-	-	0	NA									
1966	-	-	-	0	NA									
1967	-	-	-	0	NA									
1968	-	-	-	0	NA									
1969	-	-	-	0	NA									
1970	-	-	-	0	NA									
1971	-	-	-	0	NA									
1972	-	-	-	0	NA									
1973	-	-	-	0	NA									
1974	-	-	-	0	NA									
1975	-	-	-	0	NA									
1976	-	-	-	0	NA									
1977	236	-	-	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
1978	-	-	-	0	NA	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
1979	-	78,366	-	78,366	NA									
1980	46,030	123,082	7,690	115,392	250.69%	420.94%	420.94%	418.79%	418.79%	418.79%	418.79%	418.79%	418.79%	418.79%
1981	-	494,201	-	494,201	NA	1324.34%	1494.59%	1494.59%	1486.96%	1486.96%	1486.96%	1486.96%	1486.96%	1486.96%
1982	-	(68)	-	(68)	NA	1324.19%	1494.44%	1494.44%	1486.82%	1486.82%	1486.82%	1486.82%	1486.82%	1486.82%
1983	117,534	118,874	3,186	115,688	98.43%	98.37%	518.85%	443.38%	491.29%	491.29%	490.59%	490.59%	490.59%	490.59%
1984	-	(7,504)	-	(7,504)	NA	92.04%	91.99%	512.46%	438.79%	486.71%	486.71%	486.00%	486.00%	486.00%
1985	9,155	(44,834)	3,000	(47,834)	-522.49%	-604.46%	47.64%	47.58%	437.67%	387.84%	433.21%	433.21%	432.62%	432.62%
1986	16,478	(80,601)	5,820	(86,421)	-524.46%	-523.76%	-553.03%	-18.21%	-18.26%	326.93%	308.38%	349.80%	349.80%	349.37%
1987	-	-	-	0	NA	-524.46%	-523.76%	-553.03%	-18.21%	-18.26%	326.93%	308.38%	349.80%	349.80%
1988	-	-	-	0	NA	NA	-524.46%	-523.76%	-553.03%	-18.21%	-18.26%	326.93%	308.38%	349.80%
1989	-	-	-	0	NA	NA	NA	-524.46%	-523.76%	-553.03%	-18.21%	-18.26%	326.93%	308.38%
1990	-	-	-	0	NA	NA	NA	NA	-524.46%	-523.76%	-553.03%	-18.21%	-18.26%	326.93%
1991	-	-	-	0	NA	NA	NA	NA	NA	-524.46%	-523.76%	-553.03%	-18.21%	-18.26%
1992	-	-	-	0	NA	NA	NA	NA	NA	NA	-524.46%	-523.76%	-553.03%	-18.21%
1993	-	-	-	0	NA	NA	NA	NA	NA	NA	NA	-524.46%	-523.76%	-553.03%
1994	-	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	-524.46%	-523.76%
1995	-	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	-524.46%
1996	-	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1997	-	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1998	105,702	1	4,183	(4,182)	-3.96%	-3.96%	-3.96%	-3.96%	-3.96%	-3.96%	-3.96%	-3.96%	-3.96%	-3.96%
1999	-	-	-	0	NA	-3.96%	-3.96%	-3.96%	-3.96%	-3.96%	-3.96%	-3.96%	-3.96%	-3.96%
2000	-	-	-	0	NA	NA	-3.96%	-3.96%	-3.96%	-3.96%	-3.96%	-3.96%	-3.96%	-3.96%
2001	-	-	-	0	NA	NA	NA	-3.96%	-3.96%	-3.96%	-3.96%	-3.96%	-3.96%	-3.96%
2002	-	-	-	0	NA	NA	NA	NA	-3.96%	-3.96%	-3.96%	-3.96%	-3.96%	-3.96%
2003	-	-	-	0	NA	NA	NA	NA	NA	-3.96%	-3.96%	-3.96%	-3.96%	-3.96%
2004	-	-	-	0	NA	NA	NA	NA	NA	NA	-3.96%	-3.96%	-3.96%	-3.96%
2005	-	-	-	0	NA	NA	NA	NA	NA	NA	NA	-3.96%	-3.96%	-3.96%
2006	-	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	-3.96%	-3.96%
2007	-	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	-3.96%
2008	-	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2009	14,529	-	-	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
2010	-	-	-	0	NA	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
2011	-	-	-	0	NA	NA	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%

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1950	-	3	12	(9)	NA									
1951	-	-	-	0	NA									
1952	-	1,588	401	1,187	NA									
1953	-	-	(2)	2	NA									
1954	-	1	-	1	NA									
1955	-	-	-	0	NA									
1956	-	-	-	0	NA									
1957	-	528	155	373	NA									
1958	-	1,887	3,293	(1,406)	NA									
1959	-	-	-	0	NA									
1960	-	-	-	0	NA									
1961	-	-	-	0	NA									
1962	-	-	-	0	NA									
1963	-	7	31	(24)	NA									
1964	-	-	-	0	NA									
1965	-	-	-	0	NA									
1966	-	-	-	0	NA									
1967	-	-	-	0	NA									
1968	-	-	-	0	NA									
1969	-	-	-	0	NA									
1970	-	-	-	0	NA									
1971	-	-	-	0	NA									
1972	235	-	31	(31)	-13.19%	-13.19%	-13.19%	-13.19%	-13.19%	-13.19%	-13.19%	-13.19%	-13.19%	-23.40%
1973	-	-	-	0	NA									
1974	194	124	122	2	1.03%	1.03%	-6.76%	-6.76%	-6.76%	-6.76%	-6.76%	-6.76%	-6.76%	-6.76%
1975	-	-	-	0	NA									
1976	-	256	-	256	NA									
1977	9,333	64	254	(190)	-2.04%	0.71%	0.71%	0.71%	0.71%	0.38%	0.38%	0.38%	0.38%	0.38%
1978	-	-	-	0	NA									
1979	-	78,366	-	78,366	NA									
1980	29,359	129,405	4,905	124,500	424.06%	690.98%	690.98%	523.82%	524.48%	524.48%	521.87%	521.87%	518.65%	518.65%
1981	-	494,201	-	494,201	NA									
1982	-	(71)	-	(71)	NA									
1983	109,217	118,874	3,186	115,688	105.92%	105.86%	558.35%	529.90%	586.45%	586.45%	549.32%	549.49%	549.49%	548.77%
1984	-	670,436	-	670,436	NA									
1985	-	(54,902)	-	(54,902)	NA									
1986	22,182	896,968	19,888	877,080	3954.02%	3706.51%	6728.94%	1223.98%	1223.93%	1600.04%	1385.27%	1434.02%	1434.02%	1355.22%
1987	-	-	-	0	NA									
1988	-	-	-	0	NA									
1989	-	-	-	0	NA									
1990	-	-	-	0	NA									
1991	-	-	-	0	NA									
1992	-	-	-	0	NA									
1993	-	-	-	0	NA									
1994	-	-	-	0	NA									
1995	-	-	-	0	NA									
1996	-	-	-	0	NA									
1997	-	-	-	0	NA									
1998	640,008	72,657	99,359	(26,702)	-4.17%	-4.17%	-4.17%	-4.17%	-4.17%	-4.17%	-4.17%	-4.17%	-4.17%	-4.17%
1999	-	-	-	0	NA									
2000	-	-	-	0	NA									
2001	-	-	-	0	NA									
2002	-	-	-	0	NA									
2003	-	-	-	0	NA									
2004	-	-	-	0	NA									
2005	-	-	-	0	NA									
2006	-	-	521	(521)	NA									
2007	-	-	(10,495)	10,495	NA									
2008	-	-	-	0	NA									
2009	393,655	-	58,795	(58,795)	-14.94%	-14.94%	-12.27%	-12.40%	-12.40%	-12.40%	-12.40%	-12.40%	-12.40%	-12.40%
2010	-	-	-	0	NA									
2011	-	-	-	0	NA									

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1950	4,668	1,727	805	922	19.75%									
1951	15,211	1,144	1,317	(173)	-1.14%	3.77%								
1952	4,097	334	1,128	(794)	-19.38%	-5.01%	-0.19%							
1953	4,717	1,146	987	159	3.37%	-7.20%	-3.36%	0.40%						
1954	8,964	392	520	(128)	-1.43%	0.23%	-4.29%	-2.84%	-0.04%					
1955	10,152	1,415	1,094	321	3.16%	1.01%	1.48%	-1.58%	-1.43%	0.64%				
1956	16,258	3,047	8,223	(5,176)	-31.84%	-18.38%	-14.09%	-12.03%	-12.71%	-9.75%	-7.60%			
1957	24,758	2,062	10,512	(8,450)	-34.13%	-33.22%	-26.00%	-22.34%	-20.47%	-20.40%	-16.92%	-14.99%		
1958	17,385	1,911	3,197	(1,286)	-7.40%	-23.10%	-25.53%	-21.28%	-18.99%	-17.71%	-17.79%	-15.29%	-13.75%	
1959	40,574	6,694	3,832	2,862	7.05%	2.72%	-8.31%	-12.17%	-10.75%	-10.04%	-9.53%	-8.84%	-8.91%	-8.00%
1960	33,009	4,751	12,367	(7,616)	-23.07%	-6.46%	-6.64%	-12.52%	-14.90%	-13.61%	-12.89%	-12.40%	-12.57%	-11.58%
1961	50,827	4,555	4,758	(203)	-0.40%	-9.33%	-3.98%	-4.40%	-8.82%	-10.87%	-10.13%	-9.74%	-9.64%	
1962	43,137	2,904	20,442	(17,538)	-40.66%	-18.88%	-19.97%	-13.43%	-12.86%	-15.37%	-16.56%	-15.71%	-15.19%	-14.83%
1963	23,349	5,100	11,302	(6,202)	-26.56%	-35.71%	-20.41%	-20.99%	-15.03%	-14.40%	-16.49%	-17.49%	-16.18%	
1964	44,172	2,864	16,446	(13,582)	-30.75%	-29.30%	-33.73%	-23.24%	-23.21%	-17.99%	-17.26%	-18.76%	-19.49%	-18.73%
1965	93,971	6,463	17,707	(11,244)	-11.97%	-17.97%	-19.21%	-23.73%	-19.09%	-19.55%	-16.27%	-15.82%	-17.04%	-16.66%
1966	44,516	14,397	24,947	(10,550)	-23.70%	-15.74%	-19.37%	-20.18%	-23.73%	-19.77%	-20.10%	-17.15%	-16.72%	-17.76%
1967	47,082	5,000	7,962	(2,962)	-6.29%	-14.75%	-13.34%	-16.69%	-17.60%	-20.96%	-17.95%	-18.39%	-15.94%	-15.60%
1968	100,728	24,978	10,696	14,282	14.18%	7.66%	0.40%	-3.66%	-7.28%	-8.55%	-12.04%	-10.72%	-11.57%	-10.12%
1969	45,723	34,090	15,429	18,661	40.81%	22.49%	15.49%	8.16%	2.47%	-1.43%	-2.90%	-6.58%	-5.94%	-7.02%
1970	79,325	28,343	14,637	13,706	17.28%	25.88%	20.66%	16.01%	10.44%	5.32%	1.82%	0.44%	-2.96%	-2.73%
1971	90,785	46,189	25,069	21,120	23.26%	20.47%	24.78%	21.41%	17.82%	13.29%	8.57%	5.39%	4.08%	0.93%
1972	79,179	12,811	11,132	1,679	2.12%	13.41%	14.64%	18.70%	17.55%	15.01%	11.48%	7.69%	4.97%	3.84%
1973	79,903	56	20,568	(20,512)	-25.67%	-11.84%	0.92%	4.86%	9.24%	10.29%	8.80%	6.24%	3.66%	1.50%
1974	98,153	10,602	18,608	(8,006)	-8.16%	-16.02%	-10.43%	-1.64%	1.87%	5.63%	7.13%	6.12%	4.12%	2.13%
1975	8,604	1,440	3,841	(2,401)	-27.91%	-9.75%	-16.56%	-11.00%	-2.28%	1.28%	5.03%	6.62%	5.65%	3.71%
1976	61,580	22,903	5,657	17,246	28.01%	21.15%	4.06%	-5.51%	-3.66%	2.18%	4.59%	7.64%	8.66%	7.64%
1977	35,275	4,109	15,065	(10,956)	-31.06%	6.49%	3.69%	-2.02%	-8.69%	-6.33%	-0.40%	2.23%	5.28%	6.60%
1978	13,789	1,635	2,687	(1,052)	-7.63%	-24.47%	4.73%	2.38%	-2.38%	-8.64%	-6.38%	-0.62%	1.98%	4.98%
1979	37,260	9,821	5,333	8,288	22.24%	14.17%	-4.31%	9.15%	1.22%	7.11%	-5.20%	-3.80%	1.07%	3.27%
1980	29,557	29,763	14,763	15,000	50.75%	34.85%	27.59%	9.73%	16.07%	14.04%	6.38%	-0.66%	-0.16%	3.82%
1981	55,983	(27,853)	28,361	(56,214)	-100.41%	-48.18%	-24.88%	-26.15%	-11.86%	-12.43%	-12.43%	-11.20%	-13.95%	-11.40%
1982	85,347	(838)	18,922	(19,760)	-23.15%	-53.76%	-35.68%	-25.31%	-24.21%	-25.15%	-14.88%	-15.23%	-13.60%	-15.50%
1983	66,282	4,622	19,315	(14,693)	-22.17%	-22.72%	-43.67%	-31.90%	-24.55%	-23.74%	-24.54%	-16.14%	-16.39%	-14.75%
1984	213,038	17,717	8,025	9,692	4.55%	-1.79%	-6.79%	-19.25%	-14.65%	-11.83%	-11.72%	-12.99%	-8.77%	-9.04%
1985	128,773	4,941	31,917	(26,976)	-20.95%	-5.06%	-7.84%	-10.48%	-19.65%	-16.05%	-13.74%	-13.60%	-14.53%	-10.93%
1986	106,345	23,029	5,751	17,278	16.25%	-4.12%	0.00%	-2.86%	-5.75%	-13.83%	-11.04%	-9.33%	-9.29%	-10.29%
1987	85,442	(9)	11,251	(11,260)	-13.18%	3.14%	-6.54%	-2.11%	-4.33%	-6.67%	-13.75%	-11.28%	-9.73%	-9.70%
1988	34,499	-	-	0	0.00%	-9.39%	2.66%	-5.90%	-1.98%	-4.09%	-6.35%	-13.14%	-10.80%	-9.33%
1989	59,494	5,347	1,552	3,795	6.38%	4.04%	-4.16%	3.43%	-4.14%	-1.19%	-3.19%	-5.38%	-11.75%	-9.61%
1990	158,940	10,747	44,037	(33,290)	-20.95%	-13.50%	-11.66%	-12.04%	-5.28%	-8.80%	-5.18%	-6.50%	-8.02%	-13.22%
1991	88,511	1,530	17,057	(15,527)	-17.54%	-19.73%	-14.67%	-13.19%	-13.18%	-7.31%	-9.97%	-6.43%	-7.54%	-8.84%
1992	6,597	2,833	36,184	(33,351)	-505.55%	-51.39%	-32.34%	-25.00%	-22.52%	-20.68%	-13.40%	-14.86%	-10.17%	-11.01%
1993	191,769	912	131,495	(130,583)	-68.09%	-82.64%	-62.56%	-47.72%	-41.35%	-38.71%	-35.22%	-27.74%	-26.72%	-20.52%
1994	59,748	(1,076)	51,894	(52,970)	-88.66%	-72.98%	-84.03%	-67.06%	-52.56%	-46.35%	-43.69%	-39.88%	-32.34%	-30.74%
1995	565,442	848	183,548	(182,700)	-32.31%	-37.70%	-44.83%	-48.52%	-45.52%	-41.87%	-39.33%	-38.17%	-36.46%	-32.33%
1996	145,351	16,460	798,066	(781,606)	-537.74%	-135.67%	-132.02%	-119.28%	-121.91%	-113.18%	-101.12%	-96.11%	-93.58%	-86.66%
1997	16,802	-	108,736	(108,736)	-647.16%	-549.08%	-147.48%	-143.01%	-128.34%	-130.86%	-121.53%	-108.56%	-103.27%	-100.59%
1998	72,654	(543)	9,690	(10,233)	-14.08%	-132.99%	-383.54%	-135.37%	-132.12%	-120.45%	-122.85%	-114.72%	-103.31%	-98.53%
1999	185,783	95	65,656	(65,561)	-29.33%	-29.33%	-67.04%	-229.71%	-116.51%	-114.92%	-107.66%	-109.77%	-103.65%	-94.84%
2000	130,869	1,531	117,556	(116,025)	-88.66%	-57.35%	-49.27%	-74.01%	-196.24%	-113.25%	-112.00%	-105.85%	-107.76%	-102.31%
2001	-	-	571	(571)	NA	-89.09%	-57.53%	-49.42%	-74.15%	-196.34%	-113.30%	-112.05%	-105.89%	-107.81%
2002	-	-	-	0	NA	NA	-89.09%	-57.53%	-49.42%	-74.15%	-196.34%	-113.30%	-112.05%	-105.89%
2003	1,313	-	379	(379)	-28.88%	-28.88%	-72.37%	-88.50%	-57.41%	-49.35%	-74.00%	-195.94%	-113.20%	-111.95%
2004	387,578	-	25,206	(25,206)	-6.50%	-6.58%	-6.58%	-6.73%	-27.36%	-29.44%	-28.01%	-41.10%	-117.86%	-85.74%
2005	26,913	-	-	0	0.00%	-6.08%	-6.15%	-6.15%	-6.29%	-29.11%	-28.36%	-27.07%	-39.75%	-114.58%
2006	36,406	-	3,203	(3,203)	-8.80%	-5.06%	-6.30%	-6.37%	-6.37%	-6.49%	-24.93%	-27.44%	-26.28%	-38.44%
2007	31	-	7,907	(7,907)	-25687.46%	-30.49%	-17.54%	-8.05%	-8.11%	-8.24%	-26.29%	-28.46%	-27.22%	-22.22%
2008	36,835	-	16,808	(16,808)	-45.63%	-67.04%	-38.10%	-27.87%	-10.89%	-10.94%	-10.94%	-11.06%	-27.44%	-29.25%
2009	407,177	532	571,354	(570,823)	-140.19%	-132.35%	-134.12%	-124.62%	-118.01%	-69.72%	-69.66%	-69.72%	-72.14%	-72.14%
2010	289,559	-	210,579	(210,579)	-72.72%	-112.15%	-108.81%	-109.88%	-105.11%	-101.56%	-70.45%	-70.41%	-70.41%	-70.46%
2011	6,315	-	6,899	(6,899)	-109.24%	-73.50%	-112.13%	-108.82%	-109.88%	-105.14%	-101.62%	-70.66%	-70.61%	-70.61%

Northern States Power Company - North Dakota: Transmission, Distribution & General Study

Electric Plant  
Distribution Station Equipment  
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Transaction Year	Transactional History		Removal Cost	Net		2- yr Net Salv. %	3- yr Net Salv. %	4- yr Net Salv. %	5- yr Net Salv. %	6- yr Net Salv. %	7- yr Net Salv. %	8- yr Net Salv. %	9- yr Net Salv. %	10- yr Net Salv. %
	Retirements	Salvage		Salvage	Salv. %									
1950	580,406	98,972	39,339	59,633	10.27%									
1951	486,275	68,206	36,237	31,969	6.57%	8.59%								
1952	408,213	106,440	27,175	79,265	19.42%	12.44%	11.59%							
1953	325,425	58,464	28,508	29,956	9.21%	14.89%		11.15%						
1954	758,059	136,474	76,754	59,720	7.88%	8.28%	11.33%	10.16%	10.18%					
1955	497,109	114,311	56,995	57,316	11.53%	9.32%	9.30%	11.38%		10.40%				
1956	413,464	189,776	41,358	148,418	35.90%	22.59%	15.91%	14.81%	15.60%	14.08%	13.44%			
1957	571,297	228,543	47,832	180,711	31.63%	33.42%	26.08%	19.92%	18.56%	18.68%	16.98%	16.01%		
1958	546,956	219,648	41,221	178,427	32.62%	32.12%	33.14%	27.84%	22.41%	21.03%	20.84%	19.11%	17.99%	
1959	955,632	286,162	69,482	216,680	22.67%	26.30%	27.77%	29.12%	26.19%	22.48%	21.42%	22.48%	19.80%	18.80%
1960	701,697	139,834	85,687	54,147	7.72%	16.34%	20.38%	22.70%	24.41%	22.67%	20.15%	19.40%	19.40%	18.30%
1961	611,125	203,606	48,278	155,328	25.42%	15.96%	18.79%	21.47%	23.19%	24.57%	23.06%	20.78%	20.08%	20.04%
1962	899,760	297,357	60,156	237,201	26.36%	25.98%	20.19%	20.94%	22.66%	23.85%	24.91%	23.63%	21.63%	20.98%
1963	726,973	291,149	46,228	244,921	33.69%	29.64%	28.48%	23.53%	23.32%	24.46%	25.28%	26.09%	24.87%	22.94%
1964	1,294,375	414,183	32,012	382,171	29.53%	31.02%	29.59%	28.87%	25.36%	24.87%	25.61%	26.15%	26.75%	25.70%
1965	935,518	399,358	66,813	332,545	35.55%	32.05%	32.45%	31.03%	30.27%	27.20%	26.50%	27.00%	27.36%	27.80%
1966	1,568,935	542,844	96,442	446,402	28.45%	31.10%	30.57%	31.07%	30.29%	29.79%	27.49%	26.90%	27.28%	27.56%
1967	855,704	297,807	58,020	239,787	28.02%	28.30%	30.32%	30.10%	30.58%	29.98%	29.57%	27.55%	27.01%	27.65%
1968	1,119,777	295,104	134,278	160,826	14.36%	20.28%	23.90%	26.33%	27.05%	27.79%	27.62%	27.45%	25.86%	25.54%
1969	2,116,252	342,102	126,493	215,609	10.19%	11.63%	15.06%	18.77%	21.15%	22.52%	23.47%	23.74%	22.80%	23.84%
1970	2,168,522	638,268	168,947	469,321	21.64%	15.99%	15.65%	17.34%	19.57%	21.27%	22.33%	23.10%	23.35%	23.45%
1971	1,947,078	501,021	179,219	321,802	16.53%	19.22%	16.15%	15.88%	17.15%	18.96%	20.41%	21.39%	22.09%	22.38%
1972	1,037,677	82,653	68,222	14,431	1.39%	11.27%	15.63%	14.05%	14.09%	15.38%	17.28%	18.73%	19.80%	20.53%
1973	718,039	374,958	108,811	266,147	37.07%	15.98%	16.27%	18.25%	16.12%	15.90%	16.94%	18.51%	19.79%	20.70%
1974	1,490,198	380,904	111,875	269,029	18.05%	24.24%	16.93%	16.78%	18.21%	16.42%	16.20%	17.09%	18.46%	19.60%
1975	1,738,144	614,293	162,415	451,878	26.00%	22.33%	25.01%	20.09%	19.09%	16.47%	17.91%	17.58%	18.26%	19.64%
1976	1,044,340	273,597	95,218	178,379	17.08%	22.65%	21.05%	23.35%	19.57%	18.83%	19.43%	17.83%	17.54%	18.17%
1977	1,647,038	562,726	253,421	309,305	18.78%	18.12%	20.42%	20.22%	22.22%	19.40%	18.82%	19.34%	17.95%	17.68%
1978	1,171,751	252,240	151,658	100,582	8.58%	14.54%	15.23%	18.57%	18.46%	20.17%	19.77%	17.71%	18.37%	17.22%
1979	2,167,258	604,763	189,746	415,017	19.15%	15.44%	16.54%	16.64%	18.73%	18.62%	19.95%	18.20%	17.95%	18.48%
1980	1,269,797	245,045	228,892	16,153	1.27%	12.54%	11.54%	13.44%	13.96%	16.28%	16.53%	17.84%	16.45%	16.46%
1981	847,117	390,650	114,912	275,738	32.55%	13.79%	16.50%	14.80%	15.72%	15.90%	17.67%	17.72%	18.87%	17.49%
1982	608,661	(168,164)	168,392	(336,556)	-55.29%	-4.18%	-1.64%	7.57%	7.77%	10.12%	10.95%	13.44%	14.01%	15.32%
1983	2,412,801	1,327,966	226,651	1,101,315	45.64%	25.31%	26.90%	20.56%	20.14%	18.55%	18.58%	18.44%	19.46%	19.32%
1984	1,795,506	(323,231)	196,978	(520,209)	-28.97%	13.81%	5.08%	9.19%	7.74%	10.45%	10.24%	11.42%	11.88%	13.55%
1985	2,110,292	633,564	533,137	100,427	4.76%	-10.75%	10.79%	4.98%	7.98%	7.04%	9.38%	9.31%	10.42%	10.88%
1986	1,118,393	304,196	228,745	75,451	6.75%	5.45%	-6.85%	10.18%	5.23%	7.83%	7.01%	9.14%	9.09%	10.15%
1987	1,754,370	1,094,746	236,977	857,769	48.89%	32.49%	20.74%	7.57%	17.57%	13.04%	14.59%	13.18%	14.09%	13.67%
1988	1,246,796	398,055	260,943	137,112	11.00%	33.15%	25.98%	18.79%	8.11%	16.78%	12.81%	14.22%	12.97%	13.84%
1989	1,549,267	(1,062,065)	255,034	(1,317,099)	-85.01%	-42.20%	-7.08%	-4.35%	-1.88%	-6.96%	3.63%	0.78%	2.78%	2.65%
1990	1,527,584	587,721	437,398	150,323	9.84%	-37.92%	-23.81%	-2.83%	-1.34%	0.04%	-4.65%	4.33%	1.76%	3.50%
1991	991,458	57,079	274,416	(217,337)	-21.92%	-2.66%	-34.02%	-23.46%	-5.51%	-3.83%	-2.07%	-6.07%	2.54%	0.21%
1992	2,093,341	176,967	371,143	(194,176)	-9.28%	-13.34%	-5.66%	-25.61%	-19.45%	-6.37%	-4.94%	-3.29%	-6.54%	1.05%
1993	2,850,572	11,209	484,649	(473,440)	-16.61%	-13.50%	-14.91%	-9.84%	-22.77%	-18.66%	-8.80%	-7.47%	-5.78%	-8.22%
1994	1,870,353	122,530	241,578	(119,048)	-6.37%	-12.55%	-11.54%	-12.86%	-9.15%	-19.95%	-16.77%	-8.47%	-7.34%	-8.84%
1995	5,159,212	287,613	945,396	(657,783)	-12.75%	-11.05%	-12.65%	-12.06%	-12.82%	-10.43%	-17.63%	-15.57%	-9.63%	-8.72%
1996	1,700,872	68,785	431,278	(362,493)	-21.31%	-14.87%	-13.05%	-13.93%	-13.21%	-13.80%	-11.57%	-17.99%	-16.08%	-10.59%
1997	2,402,522	144,366	365,288	(220,922)	-9.20%	-14.22%	-13.40%	-12.22%	-13.11%	-12.61%	-13.15%	-11.27%	-16.94%	-15.31%
1998	2,123,681	(4,117)	329,891	(334,008)	-15.73%	-12.26%	-14.73%	-13.83%	-12.78%	-13.46%	-12.98%	-13.44%	-11.72%	-16.82%
1999	2,140,164	499,705	335,508	164,197	7.67%	-3.98%	-5.86%	-9.00%	-10.43%	-9.94%	-10.98%	-10.80%	-11.32%	-9.91%
2000	5,933,577	48,117	1,176,442	(1,128,325)	-19.02%	-11.94%	-12.73%	-12.06%	-13.16%	-13.05%	-12.46%	-12.95%	-12.66%	-13.00%
2001	7,644	(26,011)	56,991	(83,002)	-1085.90%	-20.39%	-12.96%	-13.53%	-12.71%	-13.73%	-13.47%	-12.85%	-13.29%	-12.85%
2002	444,385	(890)	(890)	0	0.00%	-18.36%	-18.97%	-12.28%	-12.97%	-12.27%	-13.32%	-13.17%	-12.59%	-13.05%
2003	611,133	(209)	402,144	(402,353)	-65.84%	-38.12%	-45.65%	-23.06%	-15.86%	-15.84%	-14.67%	-15.41%	-14.74%	-14.04%
2004	1,918,984	153,620	389,606	(235,986)	-12.30%	-25.23%	-21.46%	-24.19%	-20.75%	-15.24%	-15.32%	-14.38%	-15.06%	-14.53%
2005	518,771	11,528	216,410	(204,882)	-39.49%	-18.08%	-27.66%	-24.14%	-26.46%	-21.78%	-16.33%	-16.24%	-15.19%	-15.77%
2006	2,176,283	-	257,631	(257,631)	-11.84%	-17.16%	-15.14%	-21.07%	-19.42%	-20.85%	-19.91%	-15.62%	-15.63%	-14.79%
2007	3,664,102	221,414	1,316,458	(1,095,043)	-29.89%	-23.16%	-24.49%	-21.67%	-24.70%	-23.53%	-24.40%	-22.31%	-18.62%	-18.31%
2008	3,455,741	341,108	719,927	(378,819)	-10.96%	-20.70%	-18.63%	-19.73%	-18.51%	-20.86%	-20.13%	-20.77%	-20.21%	-17.35%
2009	2,042,577	376,190	586,428	(210,238)	-10.29%	-10.71%	-18.38%	-17.12%	-18.10%	-19.36%	-18.78%	-19.33%	-19.24%	-19.34%
2010	3,222,362	130,964	2,165,848	(2,034,884)	-63.15%	-42.64%	-30.09%	-30.03%	-27.31%	-27.73%	-25.99%	-27.37%	-26.70%	-27.14%
2011	1,686,463	307,363	332,428	(25,066)	-1.49%	-41.96%	-32.66%	-25.45%	-26.61%	-24.63%	-25.09%	-23.78%	-25.11%	-24.54%

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1950-2011

Transaction Year	Transactional History	Removal Salvage	Net Salvage	Net Salv. %	2- yr Net Salv. %	3- yr Net Salv. %	4- yr Net Salv. %	5- yr Net Salv. %	6- yr Net Salv. %	7- yr Net Salv. %	8- yr Net Salv. %	9- yr Net Salv. %	10- yr Net Salv. %
1950	362,810	138,721	157,389	(18,668)	-5.15%								
1951	390,340	167,709	171,357	(3,648)	-0.93%	-2.96%							
1952	469,069	193,928	203,469	(9,541)	-2.03%	-1.53%	-2.61%						
1953	471,325	201,761	211,768	(10,007)	-2.12%	-2.08%	-1.74%	-2.47%					
1954	546,267	194,142	227,302	(33,160)	-6.07%	-4.24%	-3.55%	-3.00%	-3.35%				
1955	453,354	166,190	207,220	(41,030)	-9.05%	-7.42%	-5.72%	-4.83%	-4.18%	-4.31%			
1956	560,734	211,800	270,036	(58,236)	-10.39%	-9.79%	-8.49%	-7.01%	-6.08%	-5.38%	-5.36%		
1957	665,054	225,191	321,788	(96,597)	-14.52%	-12.63%	-11.66%	-10.29%	-8.86%	-7.85%	-7.09%	-6.91%	
1958	585,324	184,524	316,709	(132,185)	-22.58%	-18.30%	-15.85%	-14.49%	-12.85%	-11.31%	-10.15%	-9.28%	-8.95%
1959	599,575	205,710	308,655	(102,945)	-17.17%	-19.84%	-17.93%	-16.18%	-15.05%	-13.61%	-12.22%	-11.12%	-10.28%
1960	598,706	239,012	321,716	(82,704)	-13.81%	-15.49%	-17.82%	-16.92%	-15.71%	-14.83%	-13.64%	-12.43%	-11.44%
1961	567,584	143,220	315,362	(172,142)	-30.33%	-21.85%	-20.26%	-20.84%	-19.45%	-18.03%	-17.02%	-15.71%	-14.44%
1962	792,510	228,021	419,175	(191,154)	-24.12%	-26.71%	-22.77%	-21.46%	-21.67%	-20.42%	-19.13%	-18.18%	-16.95%
1963	690,456	189,208	371,385	(182,177)	-26.39%	-25.17%	-26.60%	-23.71%	-22.50%	-22.52%	-21.33%	-20.12%	-19.21%
1964	756,756	183,617	383,014	(199,397)	-26.35%	-26.37%	-25.57%	-26.53%	-24.30%	-23.23%	-23.15%	-22.06%	-20.93%
1965	804,409	169,470	424,453	(254,983)	-31.70%	-29.11%	-28.27%	-27.19%	-27.68%	-25.71%	-24.65%	-24.42%	-23.34%
1966	847,782	273,769	474,266	(200,497)	-23.65%	-27.57%	-27.19%	-27.01%	-26.42%	-26.92%	-25.37%	-24.50%	-23.37%
1967	805,477	233,692	536,116	(302,424)	-37.55%	-30.42%	-30.84%	-29.78%	-29.18%	-28.33%	-28.54%	-27.04%	-26.12%
1968	1,075,082	304,729	630,209	(325,480)	-30.27%	-33.39%	-30.36%	-30.67%	-29.91%	-29.42%	-28.69%	-28.84%	-27.54%
1969	1,031,876	327,687	692,795	(365,108)	-35.38%	-32.78%	-34.10%	-31.73%	-30.97%	-30.44%	-29.70%	-29.75%	-28.56%
1970	1,099,317	457,528	720,404	(262,876)	-23.91%	-29.47%	-29.74%	-31.31%	-29.97%	-30.22%	-29.76%	-29.43%	-28.90%
1971	789,082	316,327	579,299	(262,972)	-33.33%	-27.85%	-30.51%	-30.45%	-31.64%	-30.44%	-30.60%	-30.15%	-29.82%
1972	851,141	390,947	514,057	(123,110)	-14.46%	-23.54%	-23.69%	-26.89%	-27.64%	-29.05%	-28.35%	-28.72%	-28.49%
1973	786,997	357,350	442,644	(85,294)	-10.84%	-12.72%	-19.42%	-20.82%	-24.12%	-25.29%	-26.83%	-26.92%	-26.98%
1974	868,610	722,096	471,309	250,787	28.87%	10.00%	1.69%	-6.69%	-11.00%	-15.64%	-18.06%	-20.20%	-20.56%
1975	669,661	466,247	484,869	(18,622)	-2.78%	15.09%	6.32%	0.75%	-6.03%	-9.91%	-14.22%	-16.63%	-18.74%
1976	781,496	639,065	669,345	(30,280)	-3.87%	-3.37%	8.70%	3.75%	-0.16%	-5.68%	-9.11%	-13.05%	-15.38%
1977	855,685	608,648	808,910	(200,262)	-23.40%	-14.08%	-10.80%	0.05%	-2.11%	-4.30%	-8.38%	-10.93%	-14.19%
1978	806,509	598,244	957,979	(359,735)	-44.60%	-33.69%	-24.16%	-19.56%	-8.99%	-9.30%	-10.08%	-12.94%	-14.55%
1979	994,133	915,964	1,142,986	(227,022)	-22.84%	-32.59%	-29.63%	-23.77%	-20.35%	-11.76%	-11.63%	-12.00%	-12.27%
1980	997,429	1,077,699	1,134,786	(57,087)	-5.72%	-14.27%	-23.01%	-23.10%	-19.71%	-17.49%	-10.75%	-10.76%	-11.18%
1981	995,763	850,505	1,142,620	(292,115)	-29.34%	-17.52%	-19.29%	-24.67%	-24.44%	-21.48%	-19.43%	-13.41%	-13.15%
1982	859,241	750,335	904,844	(154,509)	-17.98%	-24.08%	-17.66%	-19.00%	-23.44%	-23.43%	-21.00%	-19.25%	-13.91%
1983	722,959	553,596	833,553	(279,957)	-38.72%	-27.46%	-28.18%	-21.92%	-22.12%	-25.49%	-25.20%	-22.83%	-21.08%
1984	811,245	634,607	990,768	(356,161)	-43.90%	-41.46%	-33.03%	-31.95%	-25.98%	-25.40%	-27.91%	-27.36%	-25.01%
1985	869,691	862,825	1,068,316	(205,491)	-23.63%	-33.41%	-35.01%	-30.53%	-30.25%	-25.59%	-25.16%	-27.38%	-26.95%
1986	761,199	712,560	1,019,111	(297,551)	-39.09%	-30.84%	-35.18%	-35.99%	-32.15%	-31.59%	-27.30%	-26.67%	-28.52%
1987	940,055	438,215	1,115,316	(677,101)	-72.03%	-57.29%	-45.90%	-45.42%	-44.24%	-39.70%	-37.97%	-33.34%	-33.19%
1988	782,576	593,197	928,440	(335,243)	-42.84%	-58.77%	-52.74%	-45.19%	-44.94%	-44.02%	-40.13%	-38.53%	-34.30%
1989	840,122	537,074	1,005,727	(468,653)	-55.78%	-49.54%	-57.79%	-53.51%	-47.31%	-46.76%	-45.74%	-42.12%	-40.44%
1990	954,826	382,133	1,115,170	(733,037)	-76.77%	-66.95%	-59.63%	-62.94%	-58.70%	-52.77%	-51.57%	-50.18%	-46.51%
1991	952,268	316,848	1,178,838	(861,990)	-90.52%	-83.64%	-75.12%	-67.96%	-68.82%	-64.49%	-58.67%	-56.93%	-55.21%
1992	920,840	273,420	1,548,982	(1,275,562)	-138.52%	-114.12%	-101.51%	-91.04%	-82.56%	-80.72%	-75.57%	-69.14%	-64.18%
1993	886,974	273,526	1,457,836	(1,184,310)	-133.52%	-136.07%	-120.35%	-109.15%	-99.31%	-91.03%	-88.18%	-82.87%	-76.36%
1994	735,765	273,404	1,202,388	(928,984)	-126.26%	-130.23%	-133.23%	-121.60%	-111.98%	-103.06%	-95.30%	-92.18%	-86.98%
1995	1,053,000	332,152	1,386,330	(1,054,178)	-100.11%	-110.87%	-118.38%	-123.54%	-116.62%	-109.71%	-102.57%	-96.01%	-88.55%
1996	1,330,016	450,572	1,468,879	(1,018,307)	-76.56%	-86.97%	-96.24%	-104.49%	-110.85%	-107.56%	-103.26%	-98.06%	-92.95%
1997	1,267,093	382,023	1,529,412	(1,147,389)	-90.55%	-83.39%	-88.21%	-94.60%	-101.14%	-106.70%	-104.54%	-101.27%	-97.00%
1998	1,659,671	538,137	1,847,881	(1,309,744)	-78.92%	-83.95%	-81.64%	-85.31%	-90.29%	-95.82%	-100.83%	-99.71%	-94.17%
1999	1,909,168	1,175,239	2,373,833	(1,198,594)	-62.78%	-70.28%	-75.60%	-75.80%	-79.35%	-83.69%	-88.69%	-93.39%	-93.13%
2000	1,918,722	545,808	2,086,404	(1,540,596)	-80.29%	-71.56%	-73.78%	-76.93%	-76.87%	-79.55%	-83.03%	-87.19%	-91.18%
2001	1,332,653	172,764	1,799,297	(1,626,533)	-122.05%	-97.41%	-84.60%	-83.22%	-84.36%	-83.26%	-84.96%	-91.03%	-94.39%
2002	739,364	55,756.79	795,800	(740,044)	-100.09%	-114.22%	-97.91%	-86.54%	-84.87%	-85.68%	-84.49%	-85.96%	-88.44%
2003	640,353	-	463,689	(463,689)	-72.41%	-87.24%	-104.35%	-94.38%	-85.16%	-84.78%	-83.89%	-85.22%	-87.62%
2004	923,703	-	282,566	(282,566)	-30.59%	-47.71%	-64.53%	-85.61%	-83.77%	-78.40%	-78.50%	-79.97%	-79.58%
2005	876,456	-	488,383	(488,383)	-55.72%	-42.83%	-55.72%	-62.10%	-79.80%	-79.50%	-76.02%	-78.08%	-79.92%
2006	1,328,528	5,788.00	647,767	(641,979)	-48.32%	-51.26%	-45.16%	-49.79%	-58.04%	-72.64%	-74.54%	-72.21%	-73.20%
2007	832,466	-	4,027,184.12	(4,027,184)	-483.77%	-216.07%	-169.80%	-137.34%	-124.40%	-123.93%	-114.18%	-104.84%	-101.30%
2008	984,341	-	1,819,603.36	(1,819,603)	-184.85%	-321.82%	-206.30%	-173.48%	-146.79%	-138.27%	-133.80%	-131.76%	-111.70%
2009	661,009	-	1,827,129.46	(1,827,129)	-276.42%	-221.64%	-309.70%	-218.47%	-188.01%	-162.08%	-147.30%	-143.25%	-131.45%
2010	912,450	-	1,538,628.63	(1,538,629)	-168.63%	-213.91%	-202.73%	-271.74%	-208.84%	-184.85%	-162.99%	-154.89%	-145.76%
2011	1,690,352	-	2,664,541.08	(2,664,541)	-157.63%	-161.49%	-184.76%	-184.78%	-233.77%	-195.33%	-178.54%	-161.89%	-155.42%

Northern States Power Company - North Dakota: Transmission, Distribution & General Study

Electric Plant  
Distribution Overhead Conductors & Devices  
Account 365  
1950-2011

Transaction Year	Transactional History Retirements	Salvage	Removal Cost	Net Salvage	Net Salv. %	2- yr Net Salv. %	3- yr Net Salv. %	4- yr Net Salv. %	5- yr Net Salv. %	6- yr Net Salv. %	7- yr Net Salv. %	8- yr Net Salv. %	9- yr Net Salv. %	10- yr Net Salv. %
1950	311,231	188,324	74,502	113,822	36.57%									
1951	321,364	190,799	81,674	109,125	33.96%	35.24%								
1952	390,977	245,915	97,882	148,033	37.86%	36.10%	36.24%							
1953	376,791	295,560	105,941	189,619	50.32%	43.98%	41.02%	40.03%						
1954	396,215	338,733	110,064	228,669	57.71%	54.11%	48.65%	45.47%	43.93%					
1955	425,512	351,830	93,288	258,542	60.76%	59.29%	56.47%	51.89%	48.88%	47.15%				
1956	491,978	369,139	118,549	250,590	50.94%	55.49%	56.16%	54.86%	51.67%	49.30%	47.84%			
1957	684,494	393,508	138,560	254,948	37.25%	42.97%	47.70%	49.68%	47.70%	47.70%	46.63%	45.71%		
1958	615,131	369,685	136,084	233,601	37.98%	37.59%	41.26%	45.00%	46.93%	47.35%	46.26%	45.19%	44.52%	
1959	563,107	397,873	137,600	260,273	41.92%	41.92%	40.20%	42.44%	45.25%	46.80%	47.18%	46.25%	45.33%	44.73%
1960	605,124	371,815	150,747	221,068	36.53%	41.20%	40.09%	39.30%	41.23%	43.69%	45.16%	45.63%	44.96%	44.23%
1961	612,283	344,925	155,362	189,563	30.96%	33.73%	37.68%	37.76%	37.64%	39.47%	41.74%	43.18%	43.74%	43.30%
1962	913,571	479,590	221,981	257,609	28.20%	29.31%	31.36%	34.46%	35.12%	35.48%	37.18%	39.22%	40.60%	41.25%
1963	777,890	371,578	195,240	176,338	22.67%	25.66%	27.07%	29.03%	31.82%	32.75%	33.39%	35.03%	36.96%	38.31%
1964	790,038	374,700	205,126	169,574	21.46%	22.06%	24.32%	25.63%	27.42%	29.90%	30.92%	31.70%	33.26%	35.07%
1965	1,086,662	442,064	273,496	168,568	15.51%	18.02%	19.38%	21.64%	23.00%	24.71%	26.98%	28.11%	29.05%	30.56%
1966	1,181,692	526,799	229,649	297,150	25.15%	20.53%	20.77%	21.16%	22.51%	23.48%	24.80%	26.65%	27.62%	28.46%
1967	1,131,512	462,766	264,397	198,369	17.53%	21.42%	19.90%	19.90%	20.33%	21.55%	22.44%	23.64%	25.30%	26.24%
1968	1,364,210	588,198	306,146	282,052	20.68%	19.25%	21.14%	19.86%	20.09%	20.41%	21.39%	22.13%	23.16%	24.60%
1969	1,533,663	600,005	330,668	277,337	18.08%	19.30%	20.24%	19.43%	19.65%	19.95%	20.81%	22.13%	23.16%	24.60%
1970	1,540,399	676,390	344,155	332,235	21.57%	19.83%	20.09%	19.57%	20.55%	19.85%	20.00%	20.22%	20.92%	21.49%
1971	1,115,794	432,839	241,627	191,212	17.14%	19.71%	19.11%	19.50%	19.16%	20.06%	19.51%	19.67%	19.89%	20.55%
1972	1,148,405	511,359	277,138	234,221	20.40%	18.79%	19.91%	19.39%	19.65%	19.34%	20.10%	19.61%	19.75%	19.94%
1973	1,094,044	551,011	272,272	278,739	25.48%	22.87%	20.97%	21.16%	20.42%	20.47%	20.10%	20.69%	20.18%	20.27%
1974	1,186,378	982,553	296,225	686,328	57.85%	42.32%	34.98%	30.60%	28.31%	26.25%	25.41%	24.52%	24.59%	23.79%
1975	1,001,179	727,041	334,658	392,383	39.19%	49.31%	41.37%	35.93%	32.15%	29.85%	27.76%	26.79%	25.85%	25.78%
1976	1,139,105	746,008	404,527	341,481	29.98%	34.29%	42.69%	38.43%	34.71%	31.78%	29.87%	28.01%	27.11%	26.23%
1977	1,052,882	727,239	531,781	195,458	18.56%	24.50%	29.10%	36.89%	34.61%	32.14%	29.98%	28.58%	27.09%	26.38%
1978	1,036,168	617,860	529,372	88,488	8.54%	13.59%	19.37%	24.07%	31.47%	30.46%	28.95%	27.45%	26.57%	25.47%
1979	1,217,414	1,089,903	581,581	508,322	41.75%	26.48%	23.96%	25.50%	28.02%	33.35%	32.24%	30.71%	29.19%	28.17%
1980	1,206,570	1,215,879	812,525	403,354	33.43%	37.61%	28.91%	26.49%	27.20%	29.00%	33.37%	32.40%	31.03%	29.65%
1981	1,348,144	813,255	1,023,266	(210,011)	-15.58%	7.57%	18.60%	16.43%	16.82%	17.20%	21.49%	18.96%	26.11%	25.54%
1982	1,184,273	891,439	861,742	29,697	2.51%	-7.12%	5.97%	14.76%	13.68%	14.41%	16.58%	19.04%	23.48%	23.67%
1983	983,821	705,168	719,722	(14,554)	-1.48%	0.70%	-5.54%	4.41%	12.07%	11.54%	12.46%	14.64%	17.06%	17.32%
1984	1,142,514	1,223,869	923,090	300,779	26.33%	13.46%	9.54%	2.27%	8.68%	14.37%	13.62%	14.19%	15.93%	17.99%
1985	1,287,338	1,219,214	1,018,726	200,488	15.57%	20.63%	14.26%	11.23%	5.15%	9.92%	14.55%	13.89%	14.36%	15.89%
1986	1,006,210	1,104,204	886,423	217,781	21.64%	18.24%	20.93%	15.94%	13.10%	7.54%	11.37%	15.31%	14.64%	15.00%
1987	1,271,033	874,009	991,850	(117,841)	-9.27%	4.39%	8.43%	12.77%	10.31%	8.96%	4.94%	8.59%	12.38%	12.04%
1988	1,102,260	1,250,157	893,030	357,127	32.40%	10.08%	13.52%	14.09%	16.50%	13.89%	12.20%	8.19%	11.08%	14.26%
1989	1,364,652	814,344	1,001,622	(187,278)	-13.72%	6.89%	1.39%	-13.72%	6.89%	7.80%	10.75%	9.27%	8.42%	5.39%
1990	1,518,591	763,122	968,484	(205,362)	-13.52%	-13.62%	-0.89%	-2.92%	1.03%	3.51%	6.51%	5.70%	5.35%	3.04%
1991	1,373,240	516,756	1,100,444	(583,688)	-42.50%	-27.29%	-22.94%	-11.55%	-11.12%	-6.80%	-3.57%	-0.18%	-0.29%	-0.02%
1992	2,644,759	478,960	1,670,950	(1,191,990)	-45.07%	-44.19%	-35.78%	-31.42%	-22.63%	-20.80%	-16.65%	-13.06%	-9.52%	-8.94%
1993	2,405,576	323,269	1,490,514	(1,167,245)	-48.52%	-46.71%	-45.81%	-39.64%	-35.84%	-28.61%	-26.51%	-22.69%	-19.16%	-15.73%
1994	1,906,308	382,459	1,138,160	(755,701)	-39.64%	-44.60%	-44.78%	-44.40%	-39.64%	-36.49%	-30.32%	-28.35%	-24.90%	-21.62%
1995	1,999,112	736,309	1,327,071	(590,762)	-29.55%	-34.48%	-39.83%	-41.38%	-41.53%	-37.94%	-35.44%	-30.21%	-28.51%	-25.46%
1996	2,458,589	603,448	1,311,527	(708,079)	-28.80%	-29.14%	-32.28%	-36.74%	-38.67%	-39.08%	-36.37%	-34.40%	-30.01%	-28.55%
1997	2,231,917	560,259	1,303,589	(743,330)	-33.30%	-30.94%	-30.53%	-32.55%	-36.04%	-37.79%	-38.22%	-35.95%	-34.26%	-33.39%
1998	2,976,280	751,165	1,692,351	(941,186)	-31.62%	-32.34%	-31.21%	-30.86%	-32.31%	-35.10%	-36.69%	-37.13%	-35.29%	-33.88%
1999	3,519,349	1,165,780	2,105,564	(939,784)	-26.70%	-28.96%	-30.07%	-29.79%	-29.79%	-31.00%	-33.41%	-34.94%	-35.43%	-33.98%
2000	3,583,144	599,171	1,853,315	(1,254,144)	-35.00%	-30.89%	-31.11%	-31.50%	-31.05%	-30.88%	-31.77%	-33.68%	-34.95%	-35.36%
2001	2,245,747	186,080	1,521,713	(1,335,634)	-59.47%	-44.43%	-37.76%	-36.28%	-35.82%	-34.81%	-34.25%	-34.74%	-36.17%	-37.07%
2002	267,023	\$6,396.46	1,177,045	(1,170,649)	-438.41%	-99.74%	-61.69%	-48.88%	-44.80%	-43.07%	-41.04%	-39.85%	-39.83%	-40.72%
2003	1,321,734	\$70,481.49	8,623	61,859	4.68%	-69.79%	-63.75%	-49.86%	-42.41%	-40.10%	-37.79%	-36.99%	-37.79%	-36.99%
2004	2,180,897	\$515,567.28	372,909	142,658	6.54%	5.84%	-25.63%	-38.26%	-37.05%	-34.27%	-33.78%	-33.72%	-33.14%	-32.83%
2005	3,285,767	\$490,005.10	1,348,786	(858,781)	-26.14%	-13.10%	-9.64%	-25.87%	-33.98%	-34.26%	-32.64%	-32.49%	-32.57%	-32.18%
2006	3,588,071	\$578,188.59	1,216,234	(638,045)	-17.78%	-21.78%	-14.96%	-12.45%	-23.14%	-29.47%	-30.67%	-29.97%	-30.19%	-30.46%
2007	6,258,148	681,882.43	3,036,373.43	(2,354,491)	-37.62%	-30.39%	-30.39%	-29.33%	-21.92%	-22.50%	-32.14%	-32.59%	-31.80%	-31.78%
2008	6,843,323	1,074,260.89	1,662,865.20	(588,604)	-8.60%	-22.46%	-21.46%	-22.23%	-19.40%	-18.04%	-22.77%	-25.94%	-27.04%	-27.00%
2009	4,581,574	435,034.28	1,876,982.35	(1,441,948)	-31.47%	-17.77%	-24.80%	-23.61%	-23.95%	-20.23%	-24.18%	-26.77%	-27.00%	-27.00%
2010	5,179,417	571,162.57	1,512,856.92	(941,694)	-18.18%	-24.42%	-17.90%	-23.30%	-22.55%	-22.95%	-20.93%	-19.91%	-23.25%	-25.52%
2011	9,863,938	778,236.49	2,802,065.45	(2,023,829)	-20.52%	-19.71%	-22.46%	-18.88%	-22.46%	-22.00%	-22.34%	-20.83%	-20.05%	-22.63%

Northern States Power Company - North Dakota: Transmission, Distribution & General Study

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Transaction Year	Transactional History Retirements	Salvage	Removal Cost	Net Salvage	Net Salv. %	2- yr Net Salv. %	3- yr Net Salv. %	4- yr Net Salv. %	5- yr Net Salv. %	6- yr Net Salv. %	7- yr Net Salv. %	8- yr Net Salv. %	9- yr Net Salv. %	10- yr Net Salv. %
1950	12,207	1,647	1,354	293	2.40%									
1951	10,409	870	683	187	1.80%	2.12%								
1952	19,407	1,945	2,080	(135)	-0.70%	0.17%	0.82%							
1953	8,226	3,019	1,514	1,505	18.30%	4.96%	4.09%	3.68%						
1954	5,417	640	499	141	2.60%	12.06%	4.57%	3.91%	3.58%					
1955	6,073	492	1,779	(1,287)	-21.19%	-9.97%	1.82%	0.57%	0.83%	1.14%				
1956	27,113	3,770	6,185	(2,415)	-8.91%	-11.16%	-9.22%	-4.39%	-3.31%	-2.61%	-1.93%			
1957	22,217	6,215	4,801	1,414	6.36%	-2.03%	-4.13%	-3.53%	-0.93%	-0.88%	-0.60%	-0.27%		
1958	33,073	3,984	5,085	(1,101)	-3.33%	0.57%	-2.55%	-3.83%	-3.46%	-1.71%	-1.55%	-1.28%	-0.97%	
1959	46,508	2,679	7,852	(5,173)	-11.12%	-7.88%	-4.77%	-5.64%	-6.34%	-6.00%	-4.65%	-4.20%	-3.85%	-3.45%
1960	9,760	2,516	2,278	238	2.44%	-8.77%	-6.76%	-4.14%	-5.07%	-5.75%	-5.45%	-4.22%	-3.83%	-3.52%
1961	18,699	2,882	2,991	(109)	-0.58%	0.45%	-6.73%	-5.69%	-3.63%	-4.54%	-5.16%	-4.91%	-3.83%	-3.52%
1962	71,602	4,325	9,478	(5,153)	-7.20%	-5.83%	-5.02%	-6.96%	-6.29%	-4.90%	-5.37%	-5.78%	-5.59%	-4.80%
1963	28,679	2,092	10,094	(8,002)	-27.90%	-13.12%	-12.90%	-10.12%	-10.38%	-9.26%	-7.76%	-7.88%	-8.19%	-7.97%
1964	64,509	2,062	10,198	(8,136)	-12.61%	-17.32%	-12.92%	-11.66%	-10.95%	-10.98%	-10.06%	-8.82%	-8.83%	-9.06%
1965	107,616	5,297	25,282	(19,985)	-18.57%	-16.34%	-17.99%	-15.15%	-14.22%	-13.68%	-13.33%	-12.46%	-11.43%	-11.27%
1966	97,080	3,169	12,141	(8,972)	-9.24%	-14.15%	-13.78%	-15.14%	-13.60%	-12.97%	-12.59%	-12.44%	-11.81%	-11.00%
1967	100,758	2,186	14,937	(12,751)	-12.66%	-10.98%	-13.65%	-13.47%	-14.51%	-13.40%	-12.91%	-12.61%	-12.48%	-11.96%
1968	153,763	1,264	16,202	(14,938)	-9.71%	-10.88%	-10.43%	-12.34%	-12.37%	-13.18%	-12.49%	-12.14%	-11.93%	-11.87%
1969	47,362	2,231	11,081	(8,850)	-18.69%	-11.83%	-12.10%	-11.41%	-12.93%	-12.89%	-12.61%	-12.93%	-12.59%	-12.38%
1970	115,293	27,677	12,374	15,303	13.27%	3.97%	-2.68%	-5.09%	-5.87%	-8.07%	-8.50%	-9.28%	-9.09%	-8.89%
1971	28,305	107,839	4,197	103,642	366.16%	82.83%	57.65%	27.60%	18.50%	13.53%	8.22%	6.34%	5.02%	3.95%
1972	94,916	58,557	6,053	52,504	55.32%	126.72%	71.88%	56.88%	33.59%	24.96%	19.76%	14.22%	12.08%	10.71%
1973	74,941	4,053	4,667	(614)	-0.82%	30.55%	78.49%	54.50%	44.89%	28.58%	21.82%	17.59%	12.85%	10.99%
1974	62,399	100,932	5,912	95,020	152.28%	68.74%	63.25%	96.16%	70.73%	60.73%	41.95%	33.84%	28.44%	22.71%
1975	47,348	59,204	6,160	53,044	112.03%	134.91%	79.84%	71.51%	98.60%	67.35%	65.89%	47.27%	38.94%	32.55%
1976	65,310	7,541	13,377	(5,836)	-8.94%	41.90%	81.25%	56.65%	56.28%	79.78%	64.09%	56.77%	41.95%	34.99%
1977	94,788	(147,647)	12,009	(159,656)	-168.43%	-103.37%	-54.21%	-6.46%	-5.23%	7.84%	29.51%	26.30%	22.92%	16.30%
1978	81,337	93,985	27,880	66,105	81.27%	-53.12%	-41.17%	-16.05%	13.86%	11.28%	19.30%	37.17%	33.03%	29.59%
1979	51,770	252,268	17,178	235,090	454.10%	226.28%	62.11%	46.28%	55.42%	70.42%	59.25%	58.60%	73.08%	63.46%
1980	87,626	263,113	35,992	227,121	259.19%	331.58%	239.35%	116.84%	95.27%	97.12%	104.14%	90.23%	85.21%	96.76%
1981	153,243	285,943	48,113	237,830	155.20%	193.03%	239.22%	204.87%	129.38%	112.47%	112.43%	116.29%	104.08%	98.39%
1982	70,298	68,384	67,679	705	1.00%	106.71%	149.65%	193.08%	172.61%	112.64%	99.50%	100.41%	104.94%	94.90%
1983	87,920	136,677	48,879	87,798	99.86%	55.94%	104.77%	138.68%	174.90%	160.59%	110.85%	99.55%	100.35%	101.39%
1984	89,831	58,144	37,340	20,804	23.16%	61.10%	44.07%	86.50%	117.45%	149.69%	140.74%	99.86%	90.77%	91.99%
1985	125,149	428,363	43,028	385,335	307.90%	188.92%	163.07%	132.54%	139.14%	156.27%	179.43%	168.74%	130.78%	120.72%
1986	98,818	446,485	51,961	394,524	399.24%	348.20%	255.15%	221.17%	188.38%	180.24%	189.95%	207.83%	195.67%	158.98%
1987	156,712	774,890	102,067	672,823	429.34%	417.70%	381.60%	313.17%	279.58%	248.44%	230.16%	233.09%	245.51%	232.19%
1988	136,359	472,096	57,192	414,904	304.27%	371.15%	378.23%	361.21%	311.17%	284.43%	258.39%	241.17%	242.74%	253.08%
1989	230,601	342,776	134,559	208,217	90.29%	169.81%	247.47%	271.57%	277.65%	250.35%	236.05%	219.46%	210.89%	214.31%
1990	1,253,640	544,563	106,837	437,726	34.92%	43.52%	65.46%	97.54%	113.44%	125.60%	121.20%	120.33%	116.61%	119.07%
1991	265,292	283,435	124,229	159,206	60.01%	39.30%	46.02%	64.69%	92.67%	106.82%	117.92%	114.31%	113.79%	110.63%
1992	679,154	257,592	189,751	67,841	9.99%	24.04%	30.24%	35.94%	50.21%	72.04%	83.50%	93.04%	90.97%	91.22%
1993	236,075	22,618	126,605	(103,987)	-44.05%	-3.95%	10.42%	23.04%	28.86%	42.27%	62.77%	73.65%	82.86%	81.23%
1994	207,963	355,249	97,881	257,368	123.76%	34.54%	19.70%	27.40%	30.97%	35.73%	47.90%	66.78%	76.84%	85.37%
1995	157,297	176,532	124,802	51,730	32.89%	84.62%	34.11%	21.32%	27.96%	31.07%	35.58%	47.15%	65.18%	74.82%
1996	75,286	43,887	114,390	(70,503)	-93.65%	-8.07%	54.16%	19.89%	14.93%	22.31%	27.81%	32.45%	43.88%	61.66%
1997	178,315	832,358	75,488	756,870	424.46%	270.65%	179.63%	160.85%	104.27%	62.53%	62.16%	50.97%	53.74%	63.72%
1998	409,975	270,319	123,277	147,042	35.87%	153.65%	125.59%	107.83%	111.05%	82.10%	56.91%	57.28%	49.19%	51.75%
1999	534,118	169,728	115,914	53,814	10.08%	21.28%	85.33%	74.08%	69.30%	76.54%	60.72%	46.82%	48.09%	43.96%
2000	265,029	130,300	77,995	52,305	19.74%	13.28%	20.94%	72.80%	64.23%	61.19%	68.31%	55.46%	44.20%	45.59%
2001	138,922	17,074	63,950	(46,876)	-33.74%	1.34%	6.32%	15.30%	63.10%	55.73%	53.69%	61.10%	49.83%	40.44%
2002	46,710	1,180	54,777	(53,597)	-114.74%	-54.12%	-10.69%	0.57%	10.95%	57.82%	50.90%	49.33%	57.02%	46.41%
2003	210,418	-	2,981	(2,981)	-1.42%	-22.00%	-26.12%	-7.74%	0.22%	9.33%	50.83%	44.98%	44.04%	51.49%
2004	82,296	-	93,947	(93,947)	-114.16%	-33.11%	-44.35%	-41.27%	-19.52%	-7.15%	3.30%	43.55%	38.23%	37.83%
2005	368,295	-	463,130	(463,130)	-125.75%	-123.63%	-84.73%	-86.71%	-78.02%	-54.71%	-33.69%	-19.82%	15.64%	12.08%
2006	749,130	-	150,174	(150,174)	-20.05%	-54.89%	-58.95%	-50.37%	-52.43%	-50.80%	-40.76%	-29.42%	-19.88%	6.68%
2007	216,824	0.00	544,491.27	(544,491)	-251.12%	-71.91%	-86.77%	-88.37%	-77.12%	-88.37%	-78.17%	-62.71%	-47.83%	-36.47%
2008	174,689	0.00	120,236.12	(120,236)	-68.83%	-169.78%	-71.44%	-84.70%	-86.22%	-76.32%	-77.29%	-74.24%	-63.19%	-49.14%
2009	116,985	0.00	197,695.85	(197,696)	-168.99%	-109.00%	-169.60%	-90.76%	-80.52%	-91.89%	-81.97%	-82.75%	-79.51%	-68.41%
2010	3,903,611	0.00	117,180.54	(117,181)	-3.00%	-7.83%	-10.37%	-22.20%	-21.89%	-28.81%	-30.06%	-29.02%	-29.71%	-28.80%
2011	253,494	0.00	706,087.49	(706,087)	-278.54%	-19.80%	-23.89%	-25.65%	-36.13%	-33.91%	-39.75%	-40.80%	-39.43%	-40.01%

Northern States Power Company - North Dakota: Transmission, Distribution & General Study

Electric Plant  
Distribution Underground Conductor & Devices  
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Transaction Year	Transactional History Retirements	Salvage	Removal Cost	Net Salvage	Net Salv. %	2- yr Net Salv. %	3- yr Net Salv. %	4- yr Net Salv. %	5- yr Net Salv. %	6- yr Net Salv. %	7- yr Net Salv. %	8- yr Net Salv. %	9- yr Net Salv. %	10- yr Net Salv. %
1950	93,490	50,082	15,872	34,210	36.59%									
1951	63,913	50,965	10,902	40,063	62.68%	47.19%								
1952	183,359	130,411	26,746	103,665	56.54%	58.13%	52.22%							
1953	142,748	84,917	15,659	69,258	48.52%	53.03%	54.61%	51.13%						
1954	139,539	109,656	21,235	88,421	63.37%	55.86%	56.13%	56.92%	53.87%					
1955	59,026	37,807	9,315	28,492	48.27%	58.88%	54.55%	55.24%	56.05%	53.38%				
1956	114,496	95,809	27,870	67,939	59.34%	55.57%	59.05%	55.75%	55.98%	56.58%	54.24%			
1957	200,828	130,961	35,067	95,894	47.75%	51.96%	51.38%	54.63%	53.30%	54.01%	54.62%	52.93%		
1958	163,745	102,672	30,846	71,826	43.86%	46.00%	49.19%	49.09%	52.03%	51.42%	52.35%	52.97%	51.65%	48.85%
1959	111,972	42,772	20,593	22,179	19.81%	34.09%	39.85%	43.62%	44.05%	47.46%	47.62%	49.09%	49.82%	49.82%
1960	140,008	101,055	22,854	78,201	55.85%	39.84%	41.42%	43.48%	45.97%	46.14%	48.72%	48.70%	49.84%	50.46%
1961	89,736	40,290	17,472	22,818	25.43%	43.97%	36.05%	38.58%	41.19%	43.72%	44.03%	46.67%	46.90%	48.21%
1962	262,727	89,462	29,894	59,568	22.67%	23.37%	32.61%	30.24%	33.14%	36.17%	38.62%	39.12%	41.76%	42.43%
1963	212,768	104,079	30,371	73,708	33.24%	27.51%	27.18%	32.80%	31.04%	33.16%	35.62%	37.70%	38.16%	40.50%
1964	212,267	91,610	36,742	54,868	25.85%	29.62%	27.00%	26.82%	31.21%	29.98%	31.87%	34.14%	36.05%	36.50%
1965	420,593	218,442	60,327	158,115	37.59%	33.65%	33.55%	30.99%	30.58%	33.20%	32.18%	33.35%	34.94%	35.80%
1966	506,932	342,511	75,339	267,172	52.70%	45.85%	42.13%	40.68%	37.77%	37.12%	38.53%	37.47%	37.96%	38.80%
1967	233,695	158,930	33,859	125,071	53.52%	52.96%	47.39%	44.06%	42.56%	39.75%	39.09%	40.21%	39.17%	39.50%
1968	521,097	346,413	65,328	281,085	53.94%	53.81%	53.37%	49.42%	46.78%	45.36%	42.86%	42.22%	42.95%	42.00%
1969	199,084	43,031	43,959	(928)	-0.47%	38.90%	42.48%	46.03%	44.14%	42.29%	41.42%	39.51%	39.04%	39.88%
1970	379,618	278,850	43,497	235,353	62.00%	40.51%	46.87%	48.04%	49.32%	47.14%	45.31%	44.32%	42.40%	41.90%
1971	215,316	200,327	45,394	154,933	71.96%	65.60%	49.04%	50.98%	51.36%	51.69%	49.30%	47.45%	46.36%	44.40%
1972	322,236	292,825	44,356	248,469	77.11%	75.04%	69.64%	57.14%	56.12%	55.80%	55.14%	52.50%	50.62%	49.43%
1973	271,263	132,931	35,840	97,091	35.79%	58.22%	61.88%	61.92%	52.97%	53.23%	53.16%	51.02%	49.40%	49.40%
1974	501,105	821,661	70,639	751,022	149.87%	109.81%	100.18%	95.54%	88.00%	78.68%	73.33%	71.58%	68.54%	64.90%
1975	357,319	257,860	63,168	194,692	54.49%	110.17%	92.31%	88.94%	86.74%	82.15%	74.83%	70.90%	69.54%	67.11%
1976	470,001	322,925	93,103	229,822	48.90%	51.31%	88.49%	79.55%	79.14%	78.42%	75.94%	70.34%	67.70%	66.75%
1977	739,923	451,934	146,640	305,294	41.26%	44.23%	46.57%	71.59%	67.44%	68.61%	68.86%	64.12%	62.78%	62.78%
1978	638,793	546,069	124,182	421,887	66.04%	52.74%	51.77%	52.21%	70.29%	67.14%	68.12%	68.35%	67.73%	64.42%
1979	672,919	638,122	147,498	490,624	72.91%	69.57%	59.36%	57.41%	57.05%	70.81%	68.21%	68.93%	69.08%	68.49%
1980	888,210	759,053	194,068	564,985	63.61%	67.62%	67.16%	60.64%	59.02%	58.59%	69.31%	67.31%	67.96%	68.13%
1981	1,019,372	1,181,797	219,113	962,684	94.44%	80.08%	78.21%	75.80%	69.34%	67.17%	66.23%	74.15%	72.28%	72.55%
1982	757,411	986,943	202,108	784,835	103.62%	98.35%	86.77%	83.98%	81.10%	74.85%	72.50%	71.34%	77.85%	76.04%
1983	835,466	583,706	185,935	397,771	47.61%	74.24%	82.12%	77.43%	76.70%	75.28%	70.75%	69.04%	68.23%	74.17%
1984	1,292,634	684,497	344,377	340,120	26.31%	34.67%	52.77%	63.65%	63.64%	64.78%	64.91%	62.36%	61.49%	61.17%
1985	1,513,861	980,441	251,807	728,634	48.13%	38.08%	40.27%	51.17%	59.31%	59.92%	61.17%	61.58%	59.78%	59.20%
1986	1,455,156	1,947,266	262,666	1,684,600	115.77%	81.28%	64.61%	61.82%	67.23%	71.26%	70.39%	70.59%	70.27%	68.08%
1987	2,004,356	1,925,561	222,726	1,702,835	84.96%	97.92%	82.76%	71.12%	68.35%	71.75%	74.36%	73.38%	73.35%	72.93%
1988	1,919,447	1,454,247	349,073	1,105,174	57.58%	71.56%	83.52%	75.75%	67.94%	66.06%	68.97%	71.37%	70.78%	70.90%
1989	2,647,807	2,020,800	342,965	1,677,835	63.37%	60.93%	68.26%	76.87%	72.31%	66.82%	65.45%	67.77%	69.80%	69.41%
1990	2,499,163	2,617,246	301,019	2,316,227	92.68%	77.60%	72.16%	74.99%	80.63%	76.54%	71.67%	70.25%	71.95%	73.38%
1991	2,299,456	934,202	362,628	571,574	24.86%	60.18%	61.31%	60.55%	64.85%	70.63%	68.25%	64.78%	63.91%	65.66%
1992	3,833,100	1,551,960	513,259	1,038,701	27.10%	26.26%	45.49%	49.69%	50.83%	55.33%	60.61%	59.57%	57.36%	56.96%
1993	3,281,693	1,203,248	402,337	800,911	24.41%	25.86%	24.41%	39.68%	43.99%	45.57%	49.84%	54.65%	54.19%	52.61%
1994	2,349,744	605,218	266,802	338,416	14.40%	20.23%	23.01%	23.37%	35.52%	39.88%	41.68%	45.84%	50.41%	50.26%
1995	2,680,366	1,490,184	269,941	1,220,243	45.53%	30.99%	28.39%	27.98%	27.48%	37.10%	40.65%	42.16%	45.81%	49.89%
1996	2,735,038	1,791,988	343,383	1,448,605	52.96%	49.28%	38.73%	34.47%	32.57%	31.54%	39.31%	42.16%	43.38%	46.55%
1997	3,142,168	1,115,533	438,616	676,917	21.54%	36.17%	39.10%	33.78%	31.61%	30.65%	29.99%	36.86%	39.62%	40.57%
1998	5,347,677	1,336,742	434,643	902,099	16.87%	18.60%	26.97%	30.55%	28.21%	27.57%	27.50%	27.26%	33.06%	35.67%
1999	5,617,672	1,676,053	513,006	1,163,047	20.70%	18.83%	19.44%	24.88%	27.72%	26.29%	26.04%	26.18%	26.08%	31.01%
2000	5,265,406	885,172	384,847	500,325	9.50%	15.28%	15.81%	16.74%	21.22%	23.85%	23.03%	23.18%	23.62%	23.69%
2001	5,171,356	79,102	548,632	(469,530)	-9.08%	0.30%	7.44%	7.40%	11.30%	9.79%	15.47%	17.89%	18.49%	19.33%
2002	3,761,758	90,112	272,122	(182,010)	-4.84%	-7.29%	-1.07%	5.11%	7.61%	9.15%	13.01%	15.60%	15.52%	16.26%
2003	1,478,221	78,826	6,220	72,607	4.91%	-2.09%	-5.56%	-0.50%	5.09%	7.46%	8.94%	12.64%	15.15%	15.10%
2004	2,482,444	586,853	190,980	395,873	15.95%	11.83%	3.71%	-1.42%	1.75%	6.23%	8.18%	9.48%	12.88%	15.20%
2005	4,275,419	637,591	1,669,831	(1,032,240)	-24.14%	-9.42%	-6.85%	-2.24%	-7.08%	-3.19%	1.60%	4.04%	5.55%	8.55%
2006	2,307,106	371,771	519,822	(148,050)	-6.42%	-17.93%	-8.65%	-6.75%	-6.25%	-7.00%	-3.49%	0.99%	3.37%	4.84%
2007	1,825,678	308,130	1,246,596	(938,466)	-51.40%	-26.29%	-25.20%	-15.82%	-13.34%	-11.36%	-10.81%	-6.78%	-1.98%	0.70%
2008	2,991,702	469,636	541,188	(71,552)	-2.39%	-20.97%	-16.25%	-19.21%	-12.93%	-11.21%	-9.96%	-9.77%	-6.34%	-2.02%
2009	3,401,648	322,997	624,811	(301,814)	-8.87%	-5.84%	-15.96%	-13.87%	-16.84%	-12.13%	-10.79%	-9.79%	-6.66%	-2.02%
2010	3,636,044	400,966	440,597	(39,630)	-1.09%	-4.85%	-4.12%	-11.40%	-10.59%	-13.73%	-10.21%	-9.21%	-8.58%	-8.66%
2011	4,905,454	387,026	310,599	76,428	1.56%	0.43%	-2.22%	-2.25%	-7.61%	-7.46%	-10.52%	-7.97%	-7.28%	-6.98%

Northern States Power Company - North Dakota: Transmission, Distribution & General Study

Electric Plant  
Distribution Line Transformers Amortized  
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Transaction Year	Transactional History Retirements	Salvage	Removal Cost	Net Salvage	Net Salv. %	2- yr Net Salv. %	3- yr Net Salv. %	4- yr Net Salv. %	5- yr Net Salv. %	6- yr Net Salv. %	7- yr Net Salv. %	8- yr Net Salv. %	9- yr Net Salv. %	10- yr Net Salv. %
2000	3,157,312	463,967	39,476	424,491	13.44%									
2001	29,650	85,129	14,809	70,320	237.17%	15.53%								
2002	2,025	-	45	(45)		-2.22%	221.86%	15.51%						
2003	64,060	-	(1,881)	1,881	2.94%	2.78%	75.37%	15.27%						
2004	331,003	75,526	238,090	(162,564)	-49.11%	-40.67%	-40.48%	-21.19%	9.32%					
2005	187,211	142,430	236,717	(94,287)	-50.36%	-49.56%	-43.79%	-43.64%	-30.08%	6.36%				
2006	46,568,279	441,331	285,212	156,119	0.34%	0.13%	-0.21%	-0.21%	-0.21%	-0.06%	0.79%			
2007	3,215,229	1,057,852	2,444,464	(1,386,612)	-43.13%	-2.47%	-2.65%	-2.96%	-2.95%	-2.95%	-2.81%	-1.85%		
2008	3,984,588	(17,746)	131,949	(149,695)	-3.76%	-21.34%	-2.57%	-2.73%	-3.02%	-3.01%	-3.01%	-2.88%	-1.98%	
2009	5,751,237 *	-	-	0	0.00%	-1.54%	-11.86%	-2.32%	-2.47%	-2.73%	-2.72%	-2.72%	-2.60%	-1.80%
2010	13,890,058 *	53,848	1,351,824	(1,297,977)	-9.34%	-6.61%	-6.13%	-10.56%	-3.65%	-3.77%	-3.97%	-3.96%	-3.96%	-3.87%
2011	6,846,074 *	-	1,297	(1,297)	-0.02%	-6.27%	-4.91%	-4.76%	-8.42%	-3.34%	-3.45%	-3.64%	-3.63%	-3.63%

§ 2012 Pro Forma Ret

Xcel Energy Electric Plant  
Distribution Line Capacitors Amortized  
Account 368  
2000-2011

Transaction Year	Transactional History Retirements	Salvage	Removal Cost	Net Salvage	Net Salv. %	2- yr Net Salv. %	3- yr Net Salv. %	4- yr Net Salv. %	5- yr Net Salv. %	6- yr Net Salv. %	7- yr Net Salv. %	8- yr Net Salv. %	9- yr Net Salv. %	10- yr Net Salv. %
2000	152,100	(2,012)	4,585	(6,597)	-4.34%									
2001	115,175	2,576	4,000	(1,424)	-1.24%	-3.00%								
2002	45,274	584	15,705	(15,121)	-33.40%	-10.31%	-7.40%							
2003	97,702	-	143	(143)	-0.15%	-10.68%	-6.46%	-5.68%						
2004	101,497	-	14,090	(14,090)	-13.88%	-7.15%	-12.01%	-8.56%	-7.30%					
2005	114,920	-	28,728	(28,728)	-25.00%	-19.79%	-13.68%	-16.16%	-12.54%	-10.55%				
2006	335,227	-	77,590	(77,590)	-23.15%	-23.62%	-21.83%	-18.57%	-19.53%	-16.93%	-14.94%			
2007	1,659,713	-	120,936	(120,936)	-7.29%	-9.95%	-10.77%	-10.91%	-10.46%	-10.90%	-10.45%	-10.09%		
2008	190,808	-	19,204	(19,204)	-10.06%	-7.57%	-9.96%	-10.71%	-10.85%	-10.43%	-10.84%	-10.42%	-10.09%	
2009	148,111	9,193	55,287	(46,093)	-31.12%	-19.27%	-9.32%	-11.30%	-11.95%	-12.02%	-11.59%	-11.95%	-11.51%	-11.14%
2010	127,405	33,100	14,377	18,723	14.70%	-9.93%	-9.99%	-7.88%	-9.96%	-10.63%	-10.75%	-10.38%	-10.75%	-10.38%
2011	119,973	-	67,746	(67,746)	-56.47%	-19.82%	-24.05%	-19.50%	-10.47%	-12.12%	-12.67%	-12.71%	-12.29%	-12.61%

§ 2012 Pro Forma Ret

Northern States Power Company - North Dakota: Transmission, Distribution & General Study

Electric Plant  
Distribution Services - Overhead  
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1955-2011

Transaction Year	Transactional History Retirements	Salvage	Removal Cost	Net Salvage	Net Salv. %	2- yr Net Salv. %	3- yr Net Salv. %	4- yr Net Salv. %	5- yr Net Salv. %	6- yr Net Salv. %	7- yr Net Salv. %	8- yr Net Salv. %	9- yr Net Salv. %	10- yr Net Salv. %
1955	78,289	44,068	41,401	2,667	3.41%									
1956	98,392	60,182	52,330	7,852	7.98%	5.95%								
1957	116,813	53,514	63,107	(9,593)	-8.21%	-0.81%	0.32%							
1958	141,761	39,972	76,539	(36,567)	-25.79%	-17.85%	-10.73%	-8.19%						
1959	128,718	43,153	78,309	(35,156)	-27.31%	-26.52%	-21.00%	-15.13%	-12.55%					
1960	138,190	50,235	82,908	(32,673)	-23.64%	-25.41%	-25.55%	-21.69%	-17.01%	-14.74%				
1961	128,003	44,446	83,535	(39,089)	-30.54%	-26.96%	-27.07%	-26.74%	-23.42%	-19.32%	-17.17%			
1962	150,353	61,503	100,337	(38,834)	-27.99%	-25.83%	-26.54%	-26.73%	-23.54%	-20.40%	-23.87%	-18.50%		
1963	136,839	49,547	90,344	(40,797)	-29.81%	-27.73%	-28.59%	-27.36%	-27.35%	-27.08%	-24.74%	-21.64%	-19.89%	-19.89%
1964	129,314	53,320	95,879	(42,559)	-32.91%	-31.32%	-29.34%	-29.62%	-28.41%	-28.24%	-27.87%	-25.73%	-22.89%	-21.24%
1965	155,344	53,216	96,462	(43,246)	-27.84%	-30.14%	-30.04%	-28.93%	-29.22%	-28.30%	-28.17%	-27.87%	-25.99%	-23.47%
1966	147,049	77,054	113,521	(36,467)	-24.80%	-26.36%	-28.32%	-28.68%	-28.09%	-28.46%	-27.78%	-27.73%	-27.51%	-25.87%
1967	173,647	70,291	141,052	(70,761)	-40.75%	-33.44%	-31.61%	-31.89%	-31.51%	-30.55%	-30.55%	-29.72%	-29.48%	-29.12%
1968	159,731	77,731	145,742	(68,011)	-42.58%	-41.63%	-36.48%	-34.37%	-34.12%	-33.47%	-32.38%	-32.18%	-31.28%	-30.93%
1969	179,189	79,641	176,224	(96,583)	-53.90%	-48.56%	-45.92%	-41.21%	-38.66%	-37.87%	-36.85%	-35.51%	-35.04%	-33.99%
1970	185,653	83,915	173,043	(89,128)	-48.01%	-50.90%	-48.37%	-42.70%	-40.39%	-40.39%	-39.54%	-38.49%	-37.14%	-36.60%
1971	190,904	58,777	186,492	(127,715)	-66.90%	-57.59%	-56.40%	-53.31%	-50.86%	-47.16%	-44.64%	-43.49%	-42.21%	-40.68%
1972	204,596	62,581	196,611	(134,030)	-66.18%	-65.51%	-60.38%	-58.85%	-56.02%	-53.60%	-50.19%	-47.70%	-46.45%	-45.08%
1973	214,283	76,809	182,391	(105,582)	-49.27%	-57.20%	-60.24%	-57.38%	-56.74%	-54.75%	-52.89%	-50.05%	-47.91%	-46.79%
1974	240,907	85,789	185,355	(99,566)	-41.33%	-45.07%	-51.41%	-54.88%	-53.65%	-52.40%	-51.09%	-50.05%	-48.81%	-47.91%
1975	245,205	93,618	204,763	(111,145)	-45.33%	-43.35%	-45.16%	-49.76%	-52.75%	-52.06%	-52.29%	-51.33%	-50.30%	-48.37%
1976	290,507	70,301	192,046	(121,745)	-41.91%	-43.47%	-42.81%	-44.21%	-47.85%	-50.47%	-50.18%	-50.56%	-49.90%	-48.13%
1977	333,693	74,177	202,641	(128,464)	-38.50%	-40.08%	-41.56%	-41.51%	-42.77%	-45.81%	-48.15%	-48.14%	-48.63%	-48.20%
1978	359,362	54,690	326,604	(271,914)	-75.77%	-57.77%	-53.08%	-51.54%	-49.86%	-49.79%	-51.49%	-52.91%	-52.50%	-52.61%
1979	413,293	87,998	479,709	(391,711)	-94.78%	-85.89%	-71.59%	-65.42%	-62.42%	-59.72%	-58.65%	-59.26%	-59.85%	-59.03%
1980	404,209	142,608	550,526	(407,918)	-100.92%	-97.81%	-91.05%	-79.44%	-73.39%	-70.02%	-67.00%	-65.48%	-65.49%	-65.49%
1981	401,709	466,315	531,504	(65,189)	-16.23%	-58.70%	-70.93%	-72.01%	-66.16%	-62.96%	-61.20%	-59.42%	-58.67%	-59.12%
1982	375,243	141,582	394,170	(252,588)	-67.31%	-40.90%	-61.44%	-71.11%	-66.35%	-62.01%	-60.38%	-59.66%	-59.66%	-59.66%
1983	341,936	158,070	282,496	(124,426)	-36.39%	-52.57%	-39.52%	-55.82%	-64.13%	-65.94%	-62.45%	-60.41%	-59.24%	-57.98%
1984	318,512	305,507	349,803	(44,296)	-13.91%	-25.55%	-40.68%	-33.85%	-48.57%	-57.04%	-59.60%	-57.21%	-55.84%	-55.10%
1985	374,154	206,022	447,537	(241,515)	-64.55%	-41.26%	-39.65%	-47.01%	-40.19%	-51.27%	-58.11%	-60.22%	-58.04%	-56.74%
1986	287,274	174,066	382,817	(208,751)	-72.67%	-68.07%	-50.47%	-46.83%	-51.36%	-44.63%	-53.72%	-59.54%	-61.31%	-59.20%
1987	311,152	167,006	369,964	(202,958)	-65.23%	-68.80%	-67.16%	-54.03%	-50.33%	-53.51%	-47.29%	-54.99%	-60.09%	-61.65%
1988	303,333	218,902	360,992	(142,090)	-46.84%	-56.15%	-61.41%	-62.33%	-52.66%	-49.79%	-52.63%	-47.24%	-54.20%	-58.95%
1989	317,185	108,619	357,208	(248,589)	-78.37%	-62.96%	-63.72%	-65.83%	-65.53%	-66.93%	-53.81%	-55.74%	-50.50%	-56.43%
1990	363,158	276,239	337,830	(61,591)	-16.96%	-45.59%	-45.98%	-50.60%	-54.61%	-56.51%	-50.55%	-48.70%	-51.03%	-46.91%
1991	330,587	229,707	331,833	(102,126)	-30.89%	-23.60%	-40.78%	-42.18%	-46.59%	-50.51%	-52.81%	-48.05%	-46.70%	-49.03%
1992	339,603	47,509	409,498	(361,989)	-106.59%	-69.25%	-50.87%	-57.33%	-55.41%	-56.96%	-58.97%	-59.76%	-54.80%	-52.89%
1993	322,985	14,027	365,822	(351,795)	-108.92%	-107.73%	-82.15%	-64.70%	-67.29%	-64.15%	-64.30%	-65.23%	-65.14%	-60.15%
1994	300,586	25,875	345,031	(319,156)	-106.18%	-107.60%	-107.24%	-87.73%	-72.22%	-73.21%	-69.70%	-69.16%	-69.51%	-68.94%
1995	300,617	34,172	337,189	(303,017)	-100.80%	-103.49%	-105.39%	-105.71%	-90.20%	-76.61%	-76.86%	-73.32%	-72.45%	-72.47%
1996	435,457	38,479	349,321	(310,842)	-71.38%	-83.40%	-90.00%	-94.50%	-96.91%	-86.16%	-75.66%	-75.98%	-73.04%	-72.31%
1997	249,074	54,203	258,592	(204,389)	-82.06%	-75.27%	-83.06%	-88.46%	-92.57%	-95.01%	-85.71%	-76.26%	-76.49%	-73.73%
1998	524,311	79,562	419,657	(340,095)	-64.87%	-70.40%	-70.76%	-76.74%	-81.63%	-85.76%	-88.62%	-81.81%	-74.38%	-74.74%
1999	388,976	52,904	345,228	(292,324)	-75.15%	-69.25%	-71.99%	-71.83%	-76.41%	-80.48%	-84.12%	-86.79%	-81.00%	-74.46%
2000	461,222	27,061	357,227	(330,166)	-71.59%	-73.22%	-70.03%	-71.88%	-71.77%	-75.47%	-78.94%	-82.19%	-84.68%	-79.81%
2001	354,711	13,184	426,128	(412,944)	-116.42%	-91.07%	-85.93%	-79.55%	-79.86%	-78.33%	-80.82%	-83.35%	-85.82%	-87.74%
2002	249,468	19,893	259,969	(240,075)	-96.23%	-108.08%	-92.28%	-87.70%	-81.65%	-81.70%	-80.01%	-82.12%	-84.33%	-85.55%
2003	-	-	45,729	(45,729)	NA	-114.57%	-115.65%	-96.58%	-90.85%	-83.96%	-83.75%	-81.73%	-83.66%	-85.73%
2004	52,804	-	124,165	(124,165)	-235.14%	-321.75%	-135.63%	-125.26%	-103.12%	-95.90%	-87.25%	-84.71%	-86.31%	-86.31%
2005	144,545	-	285,411	(285,411)	-197.46%	-207.54%	-230.71%	-155.63%	-138.28%	-113.92%	-104.79%	-95.17%	-93.82%	-90.41%
2006	979,421	-	375,647	(375,647)	-38.35%	-66.73%	-70.61%	-70.61%	-75.09%	-83.32%	-80.91%	-80.06%	-77.57%	-77.57%
2007	81,302	-	1,336,427	(1,336,427)	-1643.77%	-161.41%	-165.73%	-168.64%	-172.28%	-159.69%	-151.45%	-135.60%	-126.93%	-116.88%
2008	1,633,914	-	617,067	(617,067)	-37.77%	-113.89%	-86.44%	-92.09%	-94.70%	-96.28%	-96.28%	-96.32%	-95.21%	-93.41%
2009	36,807	-	669,233	(669,233)	-1818.20%	-76.99%	-149.70%	-109.77%	-114.18%	-116.36%	-117.92%	-116.22%	-116.24%	-111.08%
2010	773,153	-	557,916	(557,916)	-75.46%	-151.51%	-125.96%	-105.28%	-101.47%	-105.28%	-107.13%	-108.36%	-107.60%	-108.33%
2011	909,949	-	574,424	(574,424)	-63.13%	-67.28%	-104.75%	-72.12%	-109.31%	-93.57%	-96.86%	-98.45%	-99.44%	-99.27%

Northern States Power Company - North Dakota: Transmission, Distribution & General Study

Electric Plant  
Distribution Services - Underground  
Account 369  
1955-2011

Transaction Year	Transactional History Retirements	Salvage	Removal Cost	Net Salvage	Net Salv. %	2- yr Net Salv. %	3- yr Net Salv. %	4- yr Net Salv. %	5- yr Net Salv. %	6- yr Net Salv. %	7- yr Net Salv. %	8- yr Net Salv. %	9- yr Net Salv. %	10- yr Net Salv. %
1955	15,561	-	-	0	0.00%									
1956	21,535	-	-	0	0.00%	0.00%								
1957	33,188	-	-	0	0.00%	0.00%	0.00%							
1958	35,437	-	-	0	0.00%	0.00%	0.00%	0.00%						
1959	39,164	-	-	0	0.00%	0.00%	0.00%	0.00%	0.00%					
1960	29,921	-	-	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%				
1961	37,698	-	-	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%			
1962	78,921	-	-	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		
1963	63,080	-	-	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
1964	59,551	-	-	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
1965	38,834	-	-	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
1966	42,790	-	-	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
1967	32,324	-	-	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
1968	28,758	-	-	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
1969	36,639	-	-	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
1970	20,722	-	-	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
1971	51,365	7,629	9,816	(2,187)	-4.26%	-3.03%	-2.01%	-1.59%	-1.29%	-1.03%	-0.87%	-0.70%	-0.58%	-0.48%
1972	21,618	6,241	4,505	1,736	8.03%	-0.62%	-0.48%	-0.35%	-0.28%	-0.24%	-0.19%	-0.17%	-0.14%	-0.11%
1973	12,215	1,842	5,016	(3,174)	-25.98%	-4.25%	-4.25%	-3.42%	-2.54%	-2.12%	-1.78%	-1.47%	-1.27%	-1.05%
1974	59,025	37,755	10,328	27,427	46.47%	34.04%	27.99%	16.50%	14.43%	11.81%	10.33%	9.06%	7.79%	6.91%
1975	37,490	14,128	6,717	7,411	19.77%	36.10%	29.12%	25.62%	17.18%	15.42%	13.06%	11.65%	10.40%	9.10%
1976	36,134	13,424	9,811	3,613	10.00%	14.97%	28.99%	24.35%	22.23%	15.99%	14.60%	12.65%	11.46%	10.36%
1977	42,703	9,697	9,683	14	0.03%	4.60%	9.49%	21.94%	18.82%	17.70%	13.37%	12.39%	10.96%	10.05%
1978	34,048	14,120	7,475	10,827	31.80%	14.12%	12.80%	14.54%	23.54%	20.81%	19.67%	15.50%	14.48%	12.98%
1979	52,347	12,078	9,932	2,146	4.10%	15.02%	10.06%	10.05%	11.84%	19.65%	17.62%	16.92%	13.78%	13.00%
1980	49,478	15,843	15,337	506	1.02%	1.02%	9.92%	7.56%	9.72%	16.69%	15.08%	14.64%	12.19%	12.19%
1981	98,858	15,858	18,490	(2,632)	-2.66%	-1.43%	0.01%	4.62%	3.91%	4.62%	6.23%	12.02%	10.93%	10.78%
1982	43,641	18,004	15,589	2,415	5.53%	-0.15%	1.00%	4.76%	4.13%	4.73%	6.16%	11.40%	11.40%	10.42%
1983	65,978	9,466	18,018	(8,552)	-12.96%	-5.60%	-4.21%	-3.20%	-1.97%	1.37%	1.22%	1.97%	3.42%	8.31%
1984	37,283	129,166	15,003	114,163	306.21%	102.28%	73.54%	42.88%	35.87%	31.08%	31.15%	28.02%	26.60%	26.09%
1985	65,036	169,810	21,408	148,402	228.18%	256.61%	150.93%	120.99%	81.66%	70.59%	62.15%	59.84%	54.62%	51.55%
1986	100,730	269,003	27,453	241,550	239.80%	235.24%	248.27%	184.21%	159.27%	120.37%	107.56%	97.01%	92.95%	86.23%
1987	38,717	154,076	19,941	134,135	346.45%	269.41%	256.30%	263.99%	204.62%	179.89%	139.81%	126.07%	114.50%	109.70%
1988	74,248	293,910	20,441	273,469	368.32%	360.82%	303.78%	286.14%	288.51%	236.44%	212.76%	172.16%	157.41%	144.59%
1989	169,392	59,375	21,720	37,655	22.23%	127.70%	157.69%	179.28%	186.38%	195.58%	170.63%	158.52%	135.56%	126.60%
1990	120,584	310,179	12,478	297,701	246.88%	115.65%	167.16%	184.38%	195.47%	199.21%	205.79%	184.31%	173.41%	152.04%
1991	131,823	271,154	8,896	262,258	198.95%	221.85%	141.68%	175.60%	187.97%	196.19%	199.16%	204.57%	186.71%	177.38%
1992	499,644	159,773	21,882	137,891	27.60%	63.37%	92.79%	79.82%	101.33%	110.51%	121.98%	127.74%	133.11%	125.72%
1993	255,702	127,189	13,467	113,722	44.47%	33.31%	57.92%	80.53%	72.14%	89.72%	97.42%	107.73%	113.11%	117.93%
1994	36,913	138,817	8,874	129,943	352.03%	83.27%	48.16%	69.67%	90.13%	80.65%	97.23%	104.50%	114.05%	119.02%
1995	83,862	168,189	15,740	152,449	181.79%	233.82%	105.22%	60.95%	79.00%	96.94%	87.19%	102.40%	109.10%	117.81%
1996	104,526	223,492	21,081	202,411	193.65%	188.37%	215.18%	124.43%	75.09%	89.77%	105.14%	95.12%	108.86%	114.93%
1997	79,911	333,743	25,611	308,132	385.59%	276.81%	247.11%	259.80%	161.64%	98.49%	109.60%	122.20%	110.78%	123.06%
1998	71,191	37,307	9,144	28,163	39.56%	222.56%	210.74%	203.59%	218.14%	147.89%	94.78%	105.65%	117.95%	107.52%
1999	90,394	81,695	13,289	68,406	75.68%	59.76%	167.58%	175.45%	176.69%	190.55%	138.86%	93.37%	103.65%	115.36%
2000	24,903	82,666	7,259	75,407	302.80%	124.73%	92.22%	180.22%	184.00%	183.60%	196.24%	144.32%	97.55%	107.25%
2001	43,576	567	6,891	(6,324)	-14.51%	100.88%	86.54%	72.00%	152.85%	163.13%	166.27%	179.08%	135.57%	93.77%
2002	250,811	0	2,994	(2,993)	-1.19%	-3.16%	20.70%	32.83%	33.83%	83.95%	101.19%	110.21%	121.56%	102.64%
2003	-	-	397	(397)	NA	-1.35%	-3.30%	20.57%	32.73%	33.74%	83.88%	101.13%	110.16%	121.51%
2004	19,082	-	29,045	(29,045)	-152.21%	-152.21%	-12.02%	-12.36%	10.83%	24.50%	26.65%	76.11%	94.06%	103.64%
2005	26,575	-	20,900	(20,900)	-78.64%	-109.39%	-110.26%	-17.99%	-17.54%	4.32%	18.48%	21.33%	69.33%	87.61%
2006	441,544	-	29,724	(29,724)	-6.73%	-10.81%	-16.35%	-16.43%	-11.25%	-11.44%	-1.73%	6.07%	8.53%	37.28%
2007	47,883	-	(16,799)	16,799	35.08%	-2.64%	-6.56%	-11.75%	-11.82%	-8.43%	-8.75%	0.33%	7.54%	9.78%
2008	192,597	-	(50,960)	50,960	-26.46%	-14.21%	-9.37%	-11.97%	-15.64%	-15.70%	-11.98%	-12.09%	-4.60%	1.78%
2009	94,303	-	22,993	(22,993)	-24.38%	-25.78%	-17.07%	-11.19%	-13.42%	-16.65%	-16.69%	-13.07%	-13.13%	-6.23%
2010	681,237	-	26,478	(26,478)	-3.89%	-6.38%	-10.37%	-7.78%	-8.23%	-10.86%	-10.89%	-9.05%	-9.62%	-9.62%
2011	2,711,802	-	40,934	(40,934)	-1.51%	-1.99%	-2.59%	-3.84%	-3.34%	-3.70%	-4.18%	-4.85%	-4.85%	-4.65%

Northern States Power Company - North Dakota: Transmission, Distribution & General Study

Electric Plant  
Distribution Meters  
Account 370 Amortized  
2000-2011

Transaction Year	Transactional History		Removal Cost	Net Salvage	Net Salv. %	2- yr Net Salv. %	3- yr Net Salv. %	4- yr Net Salv. %	5- yr Net Salv. %	6- yr Net Salv. %	7- yr Net Salv. %	8- yr Net Salv. %	9- yr Net Salv. %	10- yr Net Salv. %
	Retirements	Salvage												
2000	10,592,788	42,596	(30,318)	72,914	0.69%									
2001	3,182	85,129	14,809	70,320	2209.92%	1.35%								
2002		75,526	45	75,481	NA	4582.04%	2.06%							
2003		142,430	(1,881)	144,310	NA	NA	9117.24%	3.43%						
2004		441,331	238,090	203,240	NA	NA	NA	15504.41%	5.34%					
2005			236,717	(236,717)	NA	NA	NA	NA	8065.18%	3.11%				
2006	22,937,302		285,212	(285,212)	-1.24%	-2.28%	-1.39%	-0.76%	-0.43%	-0.12%	0.13%			
2007	2,666,205		789,129	(789,129)	-29.60%	-4.20%	-5.12%	-4.33%	-3.76%	-3.47%	-3.19%	-2.06%		
2008	3,503,616	-	-	0	0.00%	-12.79%	-3.69%	-4.50%	-3.81%	-3.31%	-3.05%	-2.81%	-1.88%	
2009	-	-	-	0	NA	0.00%	-12.79%	-3.69%	-4.50%	-3.81%	-3.31%	-3.05%	-2.81%	-1.88%
2010	-	2,583	493,066	(490,483)	NA	NA	-14.00%	-20.74%	-5.38%	-6.19%	-5.49%	-5.00%	-4.74%	-4.49%
2011	-	-	-	0	NA	NA	NA	-14.00%	-20.74%	-5.38%	-6.19%	-5.49%	-5.00%	-4.74%

Xcel Energy Electric Plant  
Distribution Meters - Old  
Account 370 Amortized  
2009-2011

Transaction Year	Transactional History		Removal Cost	Net Salvage	Net Salv. %	2- yr Net Salv. %	3- yr Net Salv. %
	Retirements	Salvage					
2009	4,990,401 *			0	0.00%		
2010	6,616,114 *			0	0.00%	0.00%	
2011	3,451,141 *			0	0.00%	0.00%	0.00%

\* Includes Pro Forma 2012 Ret

Northern States Power Company - North Dakota: Transmission, Distribution & General Study

Electric Plant  
Distribution Street Lighting & Signal Systems  
Account 373  
1955-2011

Transaction Year	Transactional History Retirements	Salvage	Removal Cost	Net Salvage	Net Salv. %	2- yr Net Salv. %	3- yr Net Salv. %	4- yr Net Salv. %	5- yr Net Salv. %	6- yr Net Salv. %	7- yr Net Salv. %	8- yr Net Salv. %	9- yr Net Salv. %	10- yr Net Salv. %
1955	45,282	13,024	8,558	4,466	9.86%									
1956	98,064	19,123	12,940	6,183	6.31%	7.43%								
1957	113,535	32,939	21,055	11,884	10.47%	8.54%	8.77%							
1958	97,968	28,008	19,741	8,267	8.44%	9.53%	8.51%	8.68%						
1959	104,720	15,232	19,566	(4,334)	-4.14%	1.94%	5.00%	5.31%	5.76%					
1960	112,863	21,037	26,653	(5,616)	-4.98%	-4.57%	-0.53%	2.38%	3.11%	3.64%				
1961	84,664	15,472	18,249	(2,777)	-3.28%	-4.25%	-4.21%	-1.11%	1.45%	2.22%	2.75%			
1962	108,867	18,231	24,511	(6,280)	-5.77%	-4.68%	-4.79%	-4.62%	-2.11%	0.18%	1.02%	1.54%		
1963	135,027	18,581	32,482	(13,901)	-10.29%	-8.27%	-6.99%	-6.47%	-6.03%	-3.83%	-1.68%	-0.77%	-0.23%	
1964	147,898	23,380	33,157	(9,777)	-6.61%	-8.37%	-7.65%	-6.87%	-6.51%	-6.15%	-4.35%	-2.49%	-1.63%	-1.13%
1965	198,411	24,400	40,946	(16,546)	-8.34%	-7.60%	-8.36%	-7.88%	-7.30%	-6.97%	-6.64%	-5.15%	-3.54%	-2.74%
1966	390,977	33,420	29,982	3,438	0.88%	-2.22%	-3.10%	-4.22%	-4.39%	-4.30%	-4.37%	-4.35%	-3.44%	-2.38%
1967	781,062	29,859	36,922	(7,063)	-0.90%	-0.31%	-1.47%	-1.97%	-2.65%	-2.84%	-2.86%	-2.99%	-3.04%	-2.52%
1968	832,357	36,970	39,968	(2,998)	-0.36%	-0.62%	-0.33%	-1.05%	-1.40%	-1.88%	-2.05%	-2.09%	-2.20%	-2.27%
1969	649,596	38,158	46,613	(8,455)	-1.30%	-0.77%	-0.82%	-0.57%	-1.11%	-1.38%	-1.76%	-1.90%	-1.93%	-2.03%
1970	582,796	39,239	48,774	(9,535)	-1.64%	-1.02%	-0.99%	-0.76%	-1.20%	-1.42%	-1.74%	-1.89%	-1.86%	-1.89%
1971	191,907	26,443	29,395	(2,952)	-1.54%	-1.61%	-1.47%	-1.06%	-1.02%	-0.80%	-1.22%	-1.43%	-1.73%	-1.84%
1972	153,187	29,621	27,405	2,216	1.45%	-0.21%	-1.11%	-1.19%	-0.90%	-0.71%	-0.71%	-1.11%	-1.32%	-1.47%
1973	139,929	30,069	24,328	5,741	4.10%	2.71%	1.03%	-0.42%	-0.76%	-0.63%	-0.69%	-0.53%	-0.92%	-1.13%
1974	210,094	97,205	33,006	64,199	30.56%	19.98%	14.34%	9.96%	4.67%	2.66%	1.75%	1.16%	1.13%	0.68%
1975	182,139	37,490	33,513	3,977	2.18%	17.38%	13.89%	11.11%	8.34%	4.36%	2.62%	1.77%	1.21%	1.18%
1976	234,657	55,269	48,488	6,781	2.89%	2.58%	11.96%	10.52%	9.01%	7.19%	4.16%	2.64%	1.86%	1.31%
1977	178,395	42,481	50,131	(7,650)	-4.29%	-0.21%	0.52%	8.36%	7.73%	6.85%	5.60%	3.35%	2.15%	1.53%
1978	198,377	61,339	58,076	3,263	1.64%	-1.16%	0.39%	0.80%	7.03%	6.67%	6.06%	5.08%	3.19%	2.12%
1979	177,221	57,713	66,899	(9,186)	-5.18%	-1.58%	-2.45%	-0.86%	-0.29%	5.20%	5.08%	4.70%	3.99%	2.53%
1980	176,462	58,673	68,525	(9,852)	-5.58%	-5.38%	-2.86%	-3.21%	-1.72%	-1.10%	-3.80%	3.83%	3.60%	3.07%
1981	148,300	53,533	77,910	(24,377)	-16.44%	-10.54%	-8.65%	-5.73%	-5.44%	-3.68%	-2.86%	1.80%	2.00%	1.95%
1982	136,777	40,811	60,339	(19,528)	-14.28%	-15.40%	-11.65%	-9.85%	-7.13%	-6.63%	-4.84%	-3.95%	0.46%	0.75%
1983	118,008	31,606	52,320	(20,714)	-17.55%	-15.79%	-16.03%	-12.85%	-11.05%	-8.42%	-7.77%	-5.94%	-4.99%	-0.74%
1984	716,245	50,749	159,086	(108,337)	-15.13%	-15.47%	-15.30%	-15.45%	-14.11%	-13.03%	-11.29%	-10.62%	-9.10%	-8.19%
1985	1,387,873	34,400	259,605	(225,205)	-16.23%	-15.85%	-15.94%	-15.85%	-15.88%	-15.20%	-14.58%	-13.53%	-13.02%	-11.95%
1986	1,035,741	33,923	200,721	(166,798)	-16.10%	-16.17%	-15.94%	-15.92%	-15.92%	-15.95%	-15.45%	-14.99%	-14.18%	-13.77%
1987	1,333,674	25,756	199,503	(173,747)	-13.03%	-14.37%	-15.06%	-15.07%	-15.13%	-15.11%	-15.15%	-14.81%	-14.49%	-13.90%
1988	683,151	19,557	112,551	(92,994)	-13.61%	-13.23%	-14.20%	-14.84%	-14.88%	-14.94%	-14.92%	-14.96%	-14.67%	-14.39%
1989	275,407	30,142	61,300	(31,158)	-11.31%	-12.95%	-13.00%	-13.96%	-14.63%	-14.69%	-14.76%	-14.74%	-14.79%	-14.52%
1990	137,365	25,917	42,208	(16,291)	-11.86%	-11.50%	-12.82%	-12.93%	-13.88%	-14.55%	-14.62%	-14.69%	-14.68%	-14.72%
1991	148,600	17,776	48,019	(30,243)	-20.35%	-16.27%	-13.84%	-13.71%	-13.36%	-14.15%	-14.72%	-14.77%	-14.83%	-14.82%
1992	133,996	34,465	49,760	(15,295)	-11.41%	-16.11%	-14.72%	-13.37%	-13.49%	-13.26%	-14.05%	-14.64%	-14.70%	-14.75%
1993	128,840	27,467	59,703	(32,236)	-25.02%	-18.08%	-18.90%	-17.14%	-15.19%	-14.48%	-13.80%	-14.41%	-14.89%	-14.92%
1994	165,798	71,286	53,578	17,708	10.68%	-4.93%	-6.96%	-10.41%	-10.69%	-10.86%	-11.98%	-12.45%	-13.38%	-14.11%
1995	138,413	(24,541)	53,423	(77,964)	-56.33%	-19.81%	-21.36%	-19.01%	-19.29%	-18.09%	-16.44%	-15.37%	-14.38%	-14.81%
1996	110,953	28,296	55,590	(27,294)	-24.60%	-42.21%	-21.09%	-22.02%	-19.92%	-20.00%	-18.84%	-17.17%	-15.90%	-14.73%
1997	97,668	53,905	70,996	(17,091)	-17.50%	-21.28%	-35.26%	-20.40%	-21.33%	-19.62%	-19.74%	-18.72%	-17.19%	-15.98%
1998	176,142	34,429	92,376	(57,947)	-32.90%	-27.41%	-26.60%	-34.46%	-23.60%	-23.82%	-22.08%	-21.84%	-20.74%	-19.02%
1999	200,837	6,915	13,148	(6,233)	-3.10%	-17.02%	-17.12%	-18.54%	-25.76%	-18.97%	-19.74%	-18.77%	-18.95%	-18.27%
2000	258,392	17,517	13,006	4,511	1.75%	-0.37%	-9.39%	-10.47%	-12.33%	-18.53%	-14.31%	-15.39%	-15.01%	-15.52%
2001	327,424	19,419	138,277	(118,858)	-36.30%	-19.52%	-15.33%	-18.54%	-18.45%	-19.03%	-22.97%	-19.19%	-19.66%	-19.02%
2002	364,343	-	257,437	(257,437)	-70.66%	-54.40%	-39.13%	-32.84%	-32.85%	-31.80%	-31.28%	-33.35%	-29.38%	-29.10%
2003	133,071	-	(845)	845	0.64%	-51.59%	-45.52%	-34.24%	-29.37%	-29.80%	-29.03%	-28.73%	-30.85%	-27.36%
2004	370,266	-	24,804	(24,804)	-6.70%	-4.76%	-32.43%	-33.49%	-27.23%	-24.30%	-25.13%	-24.74%	-24.73%	-26.74%
2005	234,515	-	58,178	(58,178)	-24.81%	-13.72%	-11.13%	-30.81%	-32.07%	-26.89%	-24.36%	-25.09%	-24.75%	-24.74%
2006	4,732,477	-	296,301	(296,301)	-6.26%	-7.14%	-6.26%	-6.92%	-10.90%	-6.92%	-11.68%	-11.42%	-11.06%	-11.06%
2007	454,489	-	969,243	(969,243)	-213.26%	-24.40%	-24.42%	-23.28%	-22.75%	-25.52%	-26.06%	-25.01%	-24.39%	-24.60%
2008	495,677	-	258,771	(258,771)	-52.21%	-129.24%	-26.82%	-26.82%	-26.74%	-25.02%	-27.47%	-27.88%	-26.84%	-26.21%
2009	577,607	-	363,620	(363,620)	-62.95%	-57.99%	-104.18%	-30.16%	-29.96%	-28.71%	-28.15%	-30.26%	-30.51%	-29.46%
2010	611,057	-	397,877	(397,877)	-65.11%	-64.06%	-60.57%	-93.02%	-33.27%	-32.99%	-31.68%	-31.12%	-32.93%	-33.06%
2011	600,195	-	570,644	(570,644)	-95.08%	-79.96%	-74.47%	-69.64%	-93.47%	-38.23%	-37.82%	-36.40%	-35.80%	-37.28%

Northern States Power Company - North Dakota: Transmission, Distribution & General Study

Electric Plant  
General Structures & Improvements  
Account 390  
1950-2011

Transaction Year	Transactional History Retirements	Salvage	Removal Cost	Net Salvage	Net Salv. %	2- yr Net Salv. %	3- yr Net Salv. %	4- yr Net Salv. %	5- yr Net Salv. %	6- yr Net Salv. %	7- yr Net Salv. %	8- yr Net Salv. %	9- yr Net Salv. %	10- yr Net Salv. %
1950	8,368	562	4,542	(3,980)	-47.56%									
1951	17,051	21	7,873	(7,852)	-46.05%									
1952	48,689	1,703	19,553	(17,850)	-36.66%									
1953	39,826	11,725	4,665	7,060	17.73%									
1954	170,321	21,151	16,302	4,849	2.85%									
1955	15,097	1,360	20,247	(18,887)	-125.10%									
1956	19,329	2,974	2,005	969	5.01%									
1957	27,144	198	6,831	(6,633)	-24.44%									
1958	14,118	330	4,361	(4,031)	-28.55%									
1959	184,559	13,742	92,612	(78,870)	-42.73%									
1960	38,326	5,016	4,632	384	1.00%									
1961	3,018,865	801,784	239	801,545	26.55%									
1962	4,983	-	2,969	(2,969)	-59.58%									
1963	16,456	2,115	6,274	(4,159)	-25.27%									
1964	58,623	1,219	5,201	(3,982)	-6.79%									
1965	138,600	10	840	(830)	-0.60%									
1966	9,482	57	1,297	(1,240)	-13.08%									
1967	3,590	42	507	(465)	-12.95%									
1968	38,389	-	16,611	(16,611)	-43.27%									
1969	4,894	28	10,469	(10,441)	-213.34%									
1970	80,081	4	2,009	(2,005)	-2.50%									
1971	223,260	1,190	14,412	(13,222)	-5.92%									
1972	9,972	92,338	2,730	89,608	898.60%									
1973	182,754	91,086	3,279	87,807	48.05%									
1974	19,416	(250)	2,019	(2,269)	-11.69%									
1975	48,158	1,141	4,161	(3,020)	-6.27%									
1976	69,932	-	10,371	(10,371)	-14.83%									
1977	42,429	14,997	17,385	(2,388)	-5.63%									
1978	186,485	75,155	3,055	72,100	38.66%									
1979	29,138	1,986	2,767	(781)	-2.68%									
1980	6,370	-	7,709	(7,709)	-121.02%									
1981	173,834	111,604	18,817	92,787	53.38%									
1982	14,412	761	42,927	(42,166)	-292.58%									
1983	98,647	84,795	18,951	65,844	66.75%									
1984	54,190	-	156,565	(156,565)	-288.92%									
1985	57,917	29,112	31,629	(2,517)	-4.35%									
1986	52,461	175	51,635	(51,460)	-98.09%									
1987	143,639	19	24,340	(24,321)	-16.93%									
1988	56,321	3,758	19,941	(16,183)	-28.73%									
1989	88,645	-	8,541	(8,541)	-9.64%									
1990	380,465	341,363	49,050	292,313	76.83%									
1991	97,856	(1,666)	27,014	(28,680)	-29.31%									
1992	28,292	8,252	562	7,690	27.18%									
1993	3,657	500	139,211	(138,711)	-3793.03%									
1994	27,352	(140)	1,474	(1,614)	-5.90%									
1995	2,121,264	181,208	118,450	62,758	2.96%									
1996	100,921	1,353,834	-	1,353,834	1341.48%									
1997	47,802	-	-	0	0.00%									
1998	436,461	(33,522)	-	(33,522)	-7.68%									
1999	11,020	(5,000)	-	(5,000)	-45.37%									
2000	183,259	(89,376)	-	(89,376)	-48.77%									
2001	7,625	-	19,756	(19,756)	-259.09%									
2002	-	-	-	0	NA									
2003	-	-	-	0	NA									
2004	-	-	-	0	NA									
2005	13,252	-	-	0	0.00%									
2006	75,451	-	37,835	(37,835)	-50.15%									
2007	370,702	-	101,088	(101,088)	-27.27%									
2008	108,034	-	14,085	(14,085)	-13.04%									
2009	-	-	-	0	NA									
2010	60,021	9,266	101	9,166	15.27%									
2011	226,373	-	276,268	(276,268)	-122.04%									

Northern States Power Company - North Dakota: Transmission, Distribution & General Study

Electric Plant  
General Office Furniture & Equipment  
Account 391  
2000-2011

Transaction Year	Transactional History Retirements	Salvage	Removal Cost	Net Salvage	Net Salv. %	2-yr Net Salv. %	3-yr Net Salv. %	4-yr Net Salv. %	5-yr Net Salv. %	6-yr Net Salv. %	7-yr Net Salv. %	8-yr Net Salv. %	9-yr Net Salv. %	10-yr Net Salv. %
2000	-			0	NA									
2001	-			0	NA									
2002	-			0	NA									
2003	102,809			0	0.00%	0.00%	0.00%	0.00%						
2004	173,148			0	0.00%	0.00%	0.00%	0.00%	0.00%					
2005	878,542			0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%				
2006	-			0	NA	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%			
2007	6,886			0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		
2008	44,975			0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
2009	-			0	NA	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
2010	-	-	-	0	NA	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
2011	2,279,663	-	-	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%

Xcel Energy Electric Plant  
General Network Equipment  
Account 391  
2000-2011

Transaction Year	Transactional History Retirements	Salvage	Removal Cost	Net Salvage	Net Salv. %	2-yr Net Salv. %	3-yr Net Salv. %	4-yr Net Salv. %	5-yr Net Salv. %	6-yr Net Salv. %	7-yr Net Salv. %	8-yr Net Salv. %	9-yr Net Salv. %	10-yr Net Salv. %
2000	-			0	NA									
2001	-			0	NA									
2002	-			0	NA									
2003	16,391,725			0	0.00%	0.00%	0.00%	0.00%						
2004	3,665,195			0	0.00%	0.00%	0.00%	0.00%	0.00%					
2005	3,406,259			0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%				
2006	1,371,227			0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%			
2007	2,157,135			0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		
2008	317,956			0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
2009	141,404			0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
2010	-	-	-	0	NA	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
2011	5,220,532	-	-	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%

Northern States Power Company - North Dakota: Transmission, Distribution & General Study

Electric Plant  
 General Transportation Equipment - Automobiles  
 Account 392  
 2000-2011

Transaction Year	Transactional History		Removal Cost	Net Salvage	Net Salv. %	2- yr	3- yr	4- yr	5- yr	6- yr	7- yr	8- yr	9- yr	10- yr
	Retirements	Salvage				Net Salv. %	Net Salv. %	Net Salv. %	Net Salv. %	Net Salv. %	Net Salv. %	Net Salv. %	Net Salv. %	Net Salv. %
2000	-			0	NA									
2001	-			0	NA	NA								
2002	-			0	NA	NA	NA							
2003	-			0	NA	NA	NA	NA						
2004	-			0	NA	NA	NA	NA	NA					
2005	-			0	NA	NA	NA	NA	NA	NA				
2006	-			0	NA	NA	NA	NA	NA	NA	NA			
2007	-			0	NA	NA	NA	NA	NA	NA	NA	NA		
2008	-			0	NA	NA	NA	NA	NA	NA	NA	NA	NA	
2009	-			0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2010	-	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2011	-	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Xcel Energy Electric Plant  
 General Transportation Equipment - Light Trucks  
 Account 392  
 2000-2011

Transaction Year	Transactional History		Removal Cost	Net Salvage	Net Salv. %	2- yr	3- yr	4- yr	5- yr	6- yr	7- yr	8- yr	9- yr	10- yr
	Retirements	Salvage				Net Salv. %	Net Salv. %	Net Salv. %	Net Salv. %	Net Salv. %	Net Salv. %	Net Salv. %	Net Salv. %	Net Salv. %
2000	-			0	NA									
2001	-			0	NA	NA								
2002	-			0	NA	NA	NA							
2003	-			0	NA	NA	NA	NA						
2004	288,226			0	0.00%	0.00%	0.00%	0.00%	0.00%					
2005	-			0	NA	0.00%	0.00%	0.00%	0.00%	0.00%				
2006	37,508		(5,114)	5,114	13.63%	13.63%	1.57%	1.57%	1.57%	1.57%	1.57%			
2007	-			0	NA	13.63%	13.63%	1.57%	1.57%	1.57%	1.57%	1.57%		
2008	-			0	NA	NA	13.63%	13.63%	1.57%	1.57%	1.57%	1.57%	1.57%	
2009	-			0	NA	NA	NA	13.63%	13.63%	1.57%	1.57%	1.57%	1.57%	1.57%
2010	-	-	-	0	NA	NA	NA	NA	13.63%	13.63%	1.57%	1.57%	1.57%	1.57%
2011	-	-	-	0	NA	NA	NA	NA	NA	13.63%	13.63%	1.57%	1.57%	1.57%

Northern States Power Company - North Dakota: Transmission, Distribution & General Study

Electric Plant  
General Transportation Equipment - Trailers  
Account 392  
2000-2011

Transaction Year	Transactional History Retirements	Salvage	Removal Cost	Net Salvage	Net Salv. %	2- yr Net Salv. %	3- yr Net Salv. %	4- yr Net Salv. %	5- yr Net Salv. %	6- yr Net Salv. %	7- yr Net Salv. %	8- yr Net Salv. %	9- yr Net Salv. %	10- yr Net Salv. %
2000	-			0	NA									
2001	-			0	NA									
2002	-			0	NA									
2003	-			0	NA									
2004	795,516			0	0.00%	0.00%	0.00%	0.00%	0.00%					
2005	10,448			0	0.00%	0.00%	0.00%	0.00%		0.00%				
2006	17,000		(2,948)	2,948	17.34%	10.74%	0.36%	0.36%	0.36%	0.36%	0.36%			
2007	-			0	NA	17.34%	10.74%	0.36%	0.36%	0.36%		0.36%		
2008	-			0	NA	17.34%	10.74%	0.36%	0.36%	0.36%		0.36%	0.36%	
2009	347,741		50	(50)	-0.01%	-0.01%	-0.01%	0.79%	0.77%	0.25%	0.25%	0.25%	0.25%	0.25%
2010	-	-	-	0	NA	-0.01%	-0.01%	-0.01%	0.79%	0.77%	0.25%	0.25%	0.25%	0.25%
2011	-	-	-	0	NA	NA	NA	-0.01%	-0.01%	0.79%	0.77%	0.25%	0.25%	0.25%

Xcel Energy Electric Plant  
General Transportation Equipment - Heavy Trucks  
Account 392  
2000-2011

Transaction Year	Transactional History Retirements	Salvage	Removal Cost	Net Salvage	Net Salv. %	2- yr Net Salv. %	3- yr Net Salv. %	4- yr Net Salv. %	5- yr Net Salv. %	6- yr Net Salv. %	7- yr Net Salv. %	8- yr Net Salv. %	9- yr Net Salv. %	10- yr Net Salv. %
2000	-			0	NA									
2001	-			0	NA									
2002	-			0	NA									
2003	-			0	NA									
2004	11,702,759			0	0.00%	0.00%	0.00%	0.00%	0.00%					
2005	-			0	NA	0.00%	0.00%	0.00%	0.00%	0.00%				
2006	-			0	NA	0.00%	0.00%	0.00%	0.00%		0.00%			
2007	-			0	NA	0.00%	0.00%	0.00%	0.00%	0.00%		0.00%		
2008	-			0	NA	0.00%	0.00%	0.00%	0.00%	0.00%		0.00%	0.00%	
2009	-			0	NA	0.00%	0.00%	0.00%	0.00%	0.00%		0.00%	0.00%	0.00%
2010	-	-	1,396	(1,396)	NA	NA	NA	NA	NA	NA	-0.01%	-0.01%	-0.01%	-0.01%
2011	-	-	1,318	(1,318)	NA	NA	NA	NA	NA	NA	NA	-0.02%	-0.02%	-0.02%

Northern States Power Company - North Dakota: Transmission, Distribution & General Study

Electric Plant  
General Stores Equipment  
Account 393  
2000-2011

Transaction Year	Transaction History Retirements	Salvage	Removal Cost	Net Salvage	Net Salv. %	2- yr Net Salv. %	3- yr Net Salv. %	4- yr Net Salv. %	5- yr Net Salv. %	6- yr Net Salv. %	7- yr Net Salv. %	8- yr Net Salv. %	9- yr Net Salv. %	10- yr Net Salv. %
2000	-			0	NA									
2001	-			0	NA		NA							
2002	2,370			0	0.00%	0.00%	0.00%							
2003	262,619			0	0.00%	0.00%	0.00%	0.00%						
2004	122,766			0	0.00%	0.00%	0.00%	0.00%	0.00%					
2005	-			0	NA	0.00%	0.00%	0.00%	0.00%	0.00%				
2006	-			0	NA	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%			
2007	312,985			0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		
2008	-			0	NA	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
2009	-			0	NA	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
2010	-	-	-	0	NA	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
2011	707,060	-	-	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%

Xcel Energy Electric Plant  
General Tools, Shop & Garage Equipment  
Account 394  
2000-2011

Transaction Year	Transaction History Retirements	Salvage	Removal Cost	Net Salvage	Net Salv. %	2- yr Net Salv. %	3- yr Net Salv. %	4- yr Net Salv. %	5- yr Net Salv. %	6- yr Net Salv. %	7- yr Net Salv. %	8- yr Net Salv. %	9- yr Net Salv. %	10- yr Net Salv. %
2000	-			0	NA									
2001	-			0	NA		NA							
2002	959,246			0	0.00%	0.00%	0.00%							
2003	592,001			0	0.00%	0.00%	0.00%	0.00%						
2004	1,441,978			0	0.00%	0.00%	0.00%	0.00%	0.00%					
2005	1,768,422			0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%				
2006	20,819		(5)	5	0.02%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%			
2007	7,705,069			0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		
2008	2,283,581		1,050	(1,050)	-0.05%	-0.01%	-0.01%	-0.01%	-0.01%	-0.01%	-0.01%	-0.01%	-0.01%	-0.01%
2009	5,215,159		(0)	0	0.00%	-0.01%	-0.01%	-0.01%	-0.01%	-0.01%	-0.01%	-0.01%	-0.01%	-0.01%
2010	-	-	-	0	NA	0.00%	-0.01%	-0.01%	-0.01%	-0.01%	-0.01%	-0.01%	-0.01%	-0.01%
2011	2,914,764	-	11,284	(11,284)	-0.39%	-0.39%	-0.14%	-0.12%	-0.07%	-0.07%	-0.06%	-0.06%	-0.06%	-0.05%

Northern States Power Company - North Dakota: Transmission, Distribution & General Study

Electric Plant  
 General Laboratory Equipment  
 Account 395  
 2000-2011

Transaction Year	Transactional History Retirements	Salvage	Removal Cost	Net Salvage	Net Salv. %	2- yr Net Salv. %	3- yr Net Salv. %	4- yr Net Salv. %	5- yr Net Salv. %	6- yr Net Salv. %	7- yr Net Salv. %	8- yr Net Salv. %	9- yr Net Salv. %	10- yr Net Salv. %
2000	-			0	NA									
2001	-			0	NA									
2002	2,490,202			0	0.00%	0.00%	0.00%							
2003	1,818,219			0	0.00%	0.00%	0.00%	0.00%						
2004	1,449,240			0	0.00%	0.00%	0.00%	0.00%	0.00%					
2005	236,767			0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%				
2006	637,170			0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%			
2007	566,020			0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		
2008	601,436			0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
2009	372,410			0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
2010	-	-	-	0	NA	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
2011	1,341,983	-	-	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%

Northern States Power Company - North Dakota: Transmission, Distribution & General Study

Electric Plant  
 General Power Operated Equipment  
 Account 396  
 2000-2011

Transaction Year	Transactional History Retirements	Salvage	Removal Cost	Net Salvage	Net Salv. %	2- yr Net Salv. %	3- yr Net Salv. %	4- yr Net Salv. %	5- yr Net Salv. %	6- yr Net Salv. %	7- yr Net Salv. %	8- yr Net Salv. %	9- yr Net Salv. %	10- yr Net Salv. %
2000	-			0	NA									
2001	-			0	NA									
2002	-			0	NA		NA							
2003	-			0	NA		NA	NA						
2004	1,757,950			0	0.00%	0.00%	0.00%	0.00%	0.00%					
2005	-			0	NA	0.00%	0.00%	0.00%	0.00%	0.00%				
2006	-			0	NA	NA	0.00%	0.00%	0.00%	0.00%	0.00%			
2007	-			0	NA	NA	NA	0.00%	0.00%	0.00%	0.00%	0.00%		
2008	3,419			0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
2009	-			0	NA	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
2010	-	-	-	0	NA	NA	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
2011	-	-	-	0	NA	NA	NA	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%

Northern States Power Company - North Dakota: Transmission, Distribution & General Study

Electric Plant  
General Communication Equipment  
Account 397  
2000-2011

Transaction Year	Transactional History Retirements	Salvage	Removal Cost	Net Salvage	Net Salv. %	2-yr Net Salv. %	3-yr Net Salv. %	4-yr Net Salv. %	5-yr Net Salv. %	6-yr Net Salv. %	7-yr Net Salv. %	8-yr Net Salv. %	9-yr Net Salv. %	10-yr Net Salv. %
2000	-			0	NA									
2001	1,725			0	0.00%	0.00%								
2002	3,048,699			0	0.00%	0.00%	0.00%							
2003	4,493,608			0	0.00%	0.00%	0.00%	0.00%						
2004	-			0	NA	0.00%	0.00%	0.00%	0.00%					
2005	1,250,459			0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%				
2006	1,034,055			0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%			
2007	154,493			0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		
2008	307,626			0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
2009	268,137			0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
2010	-	-	-	0	NA	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
2011	1,333	-	6,635	(6,635)	-497.63%	-497.63%	-2.46%	-1.15%	-0.91%	-0.38%	-0.22%	-0.22%	-0.09%	-0.06%

Xcel Energy Electric Plant  
General Communication Equipment - AES  
Account 397  
2000-2011

Transaction Year	Transactional History Retirements	Salvage	Removal Cost	Net Salvage	Net Salv. %	2-yr Net Salv. %	3-yr Net Salv. %	4-yr Net Salv. %	5-yr Net Salv. %	6-yr Net Salv. %	7-yr Net Salv. %	8-yr Net Salv. %	9-yr Net Salv. %	10-yr Net Salv. %
2000	-			0	NA									
2001	-			0	NA	NA								
2002	-			0	NA	NA	NA							
2003	-			0	NA	NA	NA	NA						
2004	-			0	NA	NA	NA	NA	NA					
2005	-			0	NA	NA	NA	NA	NA	NA				
2006	-			0	NA	NA	NA	NA	NA	NA	NA			
2007	-			0	NA	NA	NA	NA	NA	NA	NA	NA		
2008	-			0	NA	NA	NA	NA	NA	NA	NA	NA	NA	
2009	-			0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2010	-	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2011	-	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Xcel Energy Electric Plant  
General Communication Equipment - EMS  
Account 397  
2000-2011

Transaction Year	Transactional History Retirements	Salvage	Removal Cost	Net Salvage	Net Salv. %	2-yr Net Salv. %	3-yr Net Salv. %	4-yr Net Salv. %	5-yr Net Salv. %	6-yr Net Salv. %	7-yr Net Salv. %	8-yr Net Salv. %	9-yr Net Salv. %	10-yr Net Salv. %
2000	-			0	NA									
2001	-			0	NA	NA								
2002	-			0	NA	NA	NA							
2003	-			0	NA	NA	NA	NA						
2004	-			0	NA	NA	NA	NA	NA					
2005	-			0	NA	NA	NA	NA	NA	NA				
2006	-			0	NA	NA	NA	NA	NA	NA	NA			
2007	-			0	NA	NA	NA	NA	NA	NA	NA	NA		
2008	-			0	NA	NA	NA	NA	NA	NA	NA	NA	NA	
2009	-			0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2010	-	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2011	-	-	2,943	(2,943)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Northern States Power Company - North Dakota: Transmission, Distribution & General Study

Xcel Energy Electric Plant  
 General Miscellaneous Equipment  
 Account 398  
 2000-2011

Transaction Year	Transactional History Retirements	Salvage	Removal Cost	Net Salvage	Net Salv. %	2- yr Net Salv. %	3- yr Net Salv. %	4- yr Net Salv. %	5- yr Net Salv. %	6- yr Net Salv. %	7- yr Net Salv. %	8- yr Net Salv. %	9- yr Net Salv. %	10- yr Net Salv. %
2000	-			0	NA									
2001	-			0	NA	NA								
2002	265,784			0	0.00%	0.00%	0.00%							
2003	-			0	NA	0.00%	0.00%	0.00%						
2004	5,643			0	0.00%	0.00%	0.00%	0.00%	0.00%					
2005	27,038			0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%				
2006	22,629			0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%			
2007	4,327			0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		
2008	84,227			0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
2009	58,129			0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
2010	-	-	-	0	NA	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
2011	-	-	-	0	NA	NA	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%

Northern States Power Company - North Dakota: Transmission, Distribution & General Study

Gas Plant  
Transmission Structures & Improvements  
Account 366  
1950-2011

Transaction Year	Transactional History Retirements	Salvage	Removal Cost	Net Salvage	Net Salv. %	2- yr Net Salv. %	3- yr Net Salv. %	4- yr Net Salv. %	5- yr Net Salv. %	6- yr Net Salv. %	7- yr Net Salv. %	8- yr Net Salv. %	9- yr Net Salv. %	10- yr Net Salv. %
1950	-	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1951	-	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1952	-	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1953	-	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1954	-	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1955	-	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1956	-	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1957	-	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1958	-	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1959	-	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1960	-	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1961	-	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1962	-	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1963	-	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1964	-	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1965	-	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1966	-	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1967	-	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1968	-	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1969	-	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1970	-	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1971	-	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1972	-	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1973	-	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1974	-	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1975	1,659	180	21	159	9.58%	9.58%	9.58%	9.58%	9.58%	9.58%	9.58%	9.58%	9.58%	9.58%
1976	-	-	-	0	NA	9.58%	9.58%	9.58%	9.58%	9.58%	9.58%	9.58%	9.58%	9.58%
1977	-	-	-	0	NA	9.58%	9.58%	9.58%	9.58%	9.58%	9.58%	9.58%	9.58%	9.58%
1978	6,622	-	-	0	0.00%	0.00%	1.92%	1.92%	1.92%	1.92%	1.92%	1.92%	1.92%	1.92%
1979	19,847	2,375	10,784	(8,409)	-42.37%	-31.77%	-31.77%	-31.77%	-29.33%	-29.33%	-29.33%	-29.33%	-29.33%	-29.33%
1980	149	-	2,010	(2,010)	-1348.99%	-52.11%	-39.14%	-39.14%	-39.14%	-36.28%	-36.28%	-36.28%	-36.28%	-36.28%
1981	-	-	-	0	NA	-1348.99%	-52.11%	-39.14%	-39.14%	-39.14%	-36.28%	-36.28%	-36.28%	-36.28%
1982	-	-	-	0	NA	NA	-1348.99%	-52.11%	-39.14%	-39.14%	-36.28%	-36.28%	-36.28%	-36.28%
1983	-	-	-	0	NA	NA	NA	-1348.99%	-52.11%	-39.14%	-39.14%	-39.14%	-36.28%	-36.28%
1984	-	-	-	0	NA	NA	NA	NA	-1348.99%	-52.11%	-39.14%	-39.14%	-39.14%	-36.28%
1985	-	-	73	(73)	NA	NA	NA	NA	NA	-1397.99%	-52.47%	-39.42%	-39.42%	-39.42%
1986	-	-	-	0	NA	NA	NA	NA	NA	NA	-1397.99%	-52.47%	-39.42%	-39.42%
1987	-	-	-	0	NA	NA	NA	NA	NA	NA	NA	-1397.99%	-52.47%	-39.42%
1988	-	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	-1397.99%	-52.47%
1989	20,340	-	-	0	0.00%	0.00%	0.00%	0.00%	-0.36%	-0.36%	-0.36%	-0.36%	-0.36%	-10.17%
1990	-	13,140	-	13,140	NA	64.60%	64.60%	64.60%	64.60%	64.24%	64.24%	64.24%	64.24%	64.24%
1991	-	-	-	0	NA	64.60%	64.60%	64.60%	64.60%	64.24%	64.24%	64.24%	64.24%	64.24%
1992	2,145	-	2,101	(2,101)	-97.95%	-97.95%	514.64%	49.09%	49.09%	49.09%	48.77%	48.77%	48.77%	48.77%
1993	-	-	-	0	NA	-97.95%	-97.95%	514.64%	49.09%	49.09%	49.09%	49.09%	48.77%	48.77%
1994	-	-	-	0	NA	NA	-97.95%	-97.95%	514.64%	49.09%	49.09%	49.09%	49.09%	48.77%
1995	560	-	-	0	0.00%	0.00%	0.00%	-77.67%	-77.67%	408.10%	47.90%	47.90%	47.90%	47.90%
1996	-	-	-	0	NA	0.00%	0.00%	0.00%	-77.67%	-77.67%	408.10%	47.90%	47.90%	47.90%
1997	-	-	-	0	NA	NA	0.00%	0.00%	0.00%	-77.67%	-77.67%	408.10%	47.90%	47.90%
1998	5,402	-	264	(264)	-4.89%	-4.89%	-4.89%	-4.43%	-4.43%	-4.43%	-29.17%	-29.17%	132.91%	37.88%
1999	-	-	-	0	NA	-4.89%	-4.89%	-4.89%	-4.43%	-4.43%	-29.17%	-29.17%	-29.17%	132.91%
2000	-	(3,674)	-	(3,674)	NA	NA	-72.90%	-72.90%	-72.90%	-66.05%	-66.05%	-66.05%	-66.05%	-74.49%
2001	-	-	-	0	NA	NA	NA	-72.90%	-72.90%	-72.90%	-66.05%	-66.05%	-66.05%	-74.49%
2002	-	-	-	0	NA	NA	NA	NA	-72.90%	-72.90%	-66.05%	-66.05%	-66.05%	-66.05%
2003	1,757	-	-	0	0.00%	0.00%	0.00%	-209.16%	-209.16%	-55.01%	-55.01%	-55.01%	-51.02%	-51.02%
2004	-	-	-	0	NA	0.00%	0.00%	0.00%	-209.16%	-209.16%	-55.01%	-55.01%	-55.01%	-51.02%
2005	-	-	-	0	NA	NA	0.00%	0.00%	0.00%	-209.16%	-209.16%	-55.01%	-55.01%	-55.01%
2006	22,284	-	3,885	(3,885)	-17.43%	-17.43%	-17.43%	-16.16%	-16.16%	-16.16%	-31.44%	-31.44%	-26.57%	-26.57%
2007	11,909	-	-	0	0.00%	-11.36%	-11.36%	-11.36%	-10.81%	-10.81%	-10.81%	-21.03%	-21.03%	-18.92%
2008	-	-	-	0	NA	0.00%	-11.36%	-11.36%	-10.81%	-10.81%	-10.81%	-21.03%	-21.03%	-21.03%
2009	-	-	-	0	NA	NA	0.00%	-11.36%	-11.36%	-11.36%	-10.81%	-10.81%	-10.81%	-21.03%
2010	-	-	-	0	NA	NA	NA	-11.36%	-11.36%	-11.36%	-10.81%	-10.81%	-10.81%	-10.81%
2011	-	-	-	0	NA	NA	NA	NA	0.00%	-11.36%	-11.36%	-11.36%	-10.81%	-10.81%

Northern States Power Company - North Dakota: Transmission, Distribution & General Study

Gas Plant  
Transmission Mains  
Account 367  
1950-2011

Transaction Year	Transactional History Retirements	Salvage	Removal Cost	Net Salvage	Net Salv. %	2- yr Net Salv. %	3- yr Net Salv. %	4- yr Net Salv. %	5- yr Net Salv. %	6- yr Net Salv. %	7- yr Net Salv. %	8- yr Net Salv. %	9- yr Net Salv. %	10- yr Net Salv. %
1950	-	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1951	-	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1952	-	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1953	-	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1954	-	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1955	-	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1956	-	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1957	-	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1958	-	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1959	-	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1960	-	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1961	-	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1962	-	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1963	-	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1964	-	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1965	-	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1966	-	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1967	-	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1968	-	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1969	-	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1970	-	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1971	-	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1972	-	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1973	-	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1974	-	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1975	-	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1976	-	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1977	-	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1978	2,200	-	2,379	(2,379)	-108.14%	-108.14%	-108.14%	-108.14%	-108.14%	-108.14%	-108.14%	-108.14%	-108.14%	-108.14%
1979	9,171	6,759	-	6,759	73.70%	73.70%	38.52%	38.52%	38.52%	38.52%	38.52%	38.52%	38.52%	38.52%
1980	19,112	-	-	0	0.00%	23.90%	14.37%	14.37%	14.37%	14.37%	14.37%	14.37%	14.37%	14.37%
1981	95,035	540,123	-	540,123	568.34%	473.18%	443.47%	433.80%	433.80%	433.80%	433.80%	433.80%	433.80%	433.80%
1982	1,774	-	3,875	(3,875)	-218.43%	553.92%	462.60%	434.09%	424.71%	424.71%	424.71%	424.71%	424.71%	424.71%
1983	-	62,960	-	62,960	NA	3330.61%	618.96%	516.91%	484.42%	474.18%	474.18%	474.18%	474.18%	474.18%
1984	-	232,019	3,852	228,167	NA	16192.33%	854.65%	713.74%	666.82%	653.42%	653.42%	653.42%	653.42%	653.42%
1985	44,484	149,522	8,449	141,073	317.13%	830.05%	971.59%	925.95%	685.42%	603.75%	575.09%	566.34%	566.34%	566.34%
1986	-	21,041	7,139	13,902	NA	348.38%	861.30%	1002.84%	956.00%	695.26%	612.42%	583.28%	574.43%	574.43%
1987	2,488	309,491	1,243	308,248	12389.39%	12948.15%	986.17%	1471.92%	1605.96%	1539.56%	897.61%	792.30%	754.00%	743.11%
1988	-	570	-	570	NA	12412.30%	12971.06%	987.38%	1473.13%	1607.17%	1540.73%	898.01%	792.65%	754.33%
1989	-	-	-	0	NA	12412.30%	12971.06%	987.38%	1473.13%	1607.17%	1540.73%	898.01%	792.65%	754.33%
1990	-	-	3,799	(3,799)	NA	NA	NA	12259.61%	12818.37%	979.29%	1465.05%	1599.08%	1532.94%	895.37%
1991	182,624	192,281	40,932	151,349	82.87%	80.79%	80.79%	81.11%	246.54%	254.05%	266.27%	365.65%	393.07%	388.38%
1992	292,293	-	29,780	(29,780)	-10.19%	25.60%	24.80%	24.80%	24.92%	89.36%	92.27%	111.43%	155.15%	167.22%
1993	-	155,991	204	155,787	NA	43.11%	58.40%	57.60%	57.60%	57.72%	121.99%	124.90%	141.28%	185.00%
1994	425,292	-	36,927	(36,927)	-8.68%	27.95%	12.41%	26.71%	26.29%	26.29%	26.35%	60.42%	61.96%	73.95%
1995	-	(155,991)	3,540	(159,531)	NA	-46.19%	-9.56%	-9.82%	8.99%	8.56%	8.56%	8.63%	42.75%	44.29%
1996	-	347,925	12,909	335,016	NA	NA	32.58%	69.21%	36.87%	46.20%	45.78%	45.78%	45.84%	79.86%
1997	20,566	83,015	-	83,015	403.65%	2032.63%	1256.93%	49.70%	84.64%	47.09%	54.19%	53.77%	53.77%	53.84%
1998	-	-	-	0	NA	403.65%	2032.63%	1256.93%	49.70%	84.64%	47.09%	54.19%	53.77%	53.77%
1999	-	-	-	0	NA	403.65%	2032.63%	1256.93%	49.70%	84.64%	47.09%	54.19%	53.77%	53.77%
2000	9,809	(22,780)	(81,140)	58,360	594.96%	594.96%	594.96%	465.43%	1568.37%	1043.16%	61.43%	95.62%	54.27%	59.89%
2001	24,255	-	15,956	(15,956)	-65.78%	124.48%	124.48%	124.48%	124.48%	229.58%	842.82%	550.80%	87.47%	50.50%
2002	-	-	-	0	NA	-65.78%	124.48%	124.48%	124.48%	229.58%	842.82%	550.80%	87.47%	50.50%
2003	37,754	-	-	0	0.00%	0.00%	-25.73%	59.04%	59.04%	59.04%	135.76%	498.40%	325.71%	50.99%
2004	-	-	-	0	NA	0.00%	0.00%	-25.73%	59.04%	59.04%	59.04%	135.76%	498.40%	325.71%
2005	346,129	-	-	0	0.00%	0.00%	0.00%	-3.91%	10.15%	10.15%	10.15%	28.60%	105.00%	105.00%
2006	30,760	13,106	22,402	(9,296)	-30.22%	-2.47%	-2.47%	-2.24%	-2.24%	-5.75%	7.38%	7.38%	7.38%	24.75%
2007	118,421	52,698	7,628	45,070	38.06%	7.22%	7.22%	7.22%	6.71%	6.71%	3.56%	13.78%	13.78%	13.78%
2008	-	-	-	0	NA	38.06%	23.98%	7.22%	7.22%	6.71%	6.71%	3.56%	13.78%	13.78%
2009	-	-	-	0	NA	38.06%	23.98%	7.22%	7.22%	6.71%	6.71%	3.56%	13.78%	13.78%
2010	-	-	-	0	NA	38.06%	23.98%	7.22%	7.22%	6.71%	6.71%	3.56%	13.78%	13.78%
2011	670,110	-	228,915	(228,915)	-34.16%	-34.16%	-34.16%	-34.16%	-23.31%	-23.57%	-16.57%	-16.57%	-16.05%	-16.05%

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Transaction Year	Transactional History Retirements	Salvage	Removal Cost	Net Salvage	Net Salv. %	2- yr Net Salv. %	3- yr Net Salv. %	4- yr Net Salv. %	5- yr Net Salv. %	6- yr Net Salv. %	7- yr Net Salv. %	8- yr Net Salv. %	9- yr Net Salv. %	10- yr Net Salv. %
1950	-	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1951	-	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1952	-	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1953	-	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1954	-	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1955	-	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1956	-	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1957	-	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1958	-	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1959	-	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1960	-	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1961	-	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1962	-	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1963	-	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1964	-	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1965	-	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1966	-	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1967	-	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1968	-	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1969	-	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1970	-	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1971	-	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1972	-	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1973	-	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1974	-	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1975	5,418	635	73	562	10.37%	10.37%	10.37%	10.37%	10.37%	10.37%	10.37%	10.37%	10.37%	10.37%
1976	-	-	505	(505)	NA	1.05%	1.05%	1.05%	1.05%	1.05%	1.05%	1.05%	1.05%	1.05%
1977	3,885	-	-	0	0.00%	-13.00%	0.61%	0.61%	0.61%	0.61%	0.61%	0.61%	0.61%	0.61%
1978	33,212	674	352	322	0.97%	0.87%	-0.49%	0.89%	0.89%	0.89%	0.89%	0.89%	0.89%	0.89%
1979	101,335	17,943	20,118	(2,175)	-2.15%	-1.38%	-1.34%	-1.70%	-1.25%	-1.25%	-1.25%	-1.25%	-1.25%	-1.25%
1980	111,297	2,427	1,062	1,365	1.23%	-0.38%	-0.20%	-0.20%	-0.40%	-0.17%	-0.17%	-0.17%	-0.17%	-0.17%
1981	180,953	24,666	7,336	17,330	9.58%	6.40%	4.20%	3.95%	3.91%	3.79%	3.88%	3.88%	3.88%	3.88%
1982	31,495	-	1,486	(1,486)	-4.72%	7.46%	5.32%	3.54%	3.35%	3.32%	3.21%	3.30%	3.30%	3.30%
1983	3,775	(38)	1,670	(1,708)	-45.25%	-9.06%	6.54%	4.73%	3.11%	2.95%	2.93%	2.82%	2.91%	2.91%
1984	52,154	-	1,533	(1,533)	-2.94%	-5.79%	-5.41%	4.70%	3.68%	2.45%	2.36%	2.34%	2.24%	2.33%
1985	-	-	513	(513)	NA	-3.92%	-6.71%	-5.99%	4.50%	3.54%	2.35%	2.26%	2.24%	2.14%
1986	-	-	-	0	NA	NA	-3.92%	-6.71%	-5.99%	4.50%	3.54%	2.35%	2.26%	2.24%
1987	-	-	-	0	NA	NA	NA	-3.92%	-6.71%	-5.99%	4.50%	3.54%	2.35%	2.26%
1988	5,170	-	-	0	0.00%	0.00%	0.00%	-9.92%	-3.57%	-6.14%	-5.66%	4.42%	3.50%	2.32%
1989	107,274	-	-	0	0.00%	0.00%	0.00%	0.00%	-0.46%	-1.24%	-2.23%	-2.62%	3.17%	2.73%
1990	3,574	69,016	-	69,016	1931.06%	62.26%	59.49%	59.49%	59.49%	59.05%	39.82%	37.95%	31.35%	21.10%
1991	9,712	-	1,855	(1,855)	-19.10%	505.50%	55.71%	53.42%	53.42%	53.42%	53.01%	36.61%	34.90%	29.05%
1992	9,661	-	(580)	580	6.00%	-6.58%	295.21%	52.02%	50.03%	50.03%	50.03%	49.65%	35.03%	33.45%
1993	8,740	-	-	0	0.00%	3.15%	-4.54%	213.78%	48.75%	47.00%	47.00%	47.00%	46.64%	33.47%
1994	421,740	3,512	-	3,512	0.83%	0.82%	0.93%	0.50%	15.71%	12.71%	12.59%	12.59%	12.59%	12.50%
1995	14,488	-	1,266	(1,266)	-8.74%	0.51%	0.50%	0.62%	0.21%	14.96%	12.17%	12.06%	12.06%	12.06%
1996	1,829	-	-	0	0.00%	-7.76%	0.51%	0.50%	0.62%	0.21%	14.90%	12.13%	12.02%	12.02%
1997	129,294	5,260	-	5,260	4.07%	4.01%	2.74%	1.32%	1.30%	1.38%	1.05%	12.56%	10.65%	10.58%
1998	159,608	-	5,403	(5,403)	-3.39%	-0.05%	-0.05%	-0.46%	0.29%	0.29%	0.36%	0.11%	9.21%	8.07%
1999	13,276	-	3,147	(3,147)	-23.70%	-4.95%	-1.09%	-1.09%	-1.43%	-0.14%	-0.14%	-0.06%	-0.30%	8.64%
2000	10,740	(17,609)	34,025	(51,634)	-480.76%	-228.10%	-32.78%	-17.55%	-17.45%	-17.07%	-7.01%	-6.93%	-6.77%	-6.93%
2001	-	-	-	0	NA	-480.76%	-228.10%	-32.78%	-17.55%	-17.07%	-7.01%	-6.93%	-6.77%	-6.93%
2002	-	-	-	0	NA	NA	-480.76%	-228.10%	-32.78%	-17.55%	-17.07%	-6.93%	-6.77%	-6.93%
2003	2,275	-	-	0	0.00%	0.00%	0.00%	-396.72%	-208.36%	-32.37%	-17.43%	-17.32%	-16.95%	-6.99%
2004	-	-	-	0	NA	0.00%	0.00%	0.00%	-396.72%	-208.36%	-32.37%	-17.43%	-17.32%	-16.95%
2005	1,361	-	-	0	0.00%	0.00%	0.00%	0.00%	-359.16%	-208.36%	-32.37%	-17.43%	-17.32%	-16.95%
2006	130,031	-	71,892	(71,892)	-55.29%	-54.72%	-54.72%	-53.78%	-53.78%	-53.78%	-85.54%	-80.33%	-41.63%	-28.40%
2007	23,421	-	34,658	(34,658)	-147.98%	-69.44%	-68.82%	-68.82%	-67.83%	-67.83%	-67.83%	-67.83%	-89.08%	-48.94%
2008	-	-	-	0	NA	-147.98%	-69.44%	-68.82%	-68.82%	-67.83%	-67.83%	-67.83%	-94.25%	-89.08%
2009	131,357	-	3,056	(3,056)	-2.33%	-2.33%	-24.37%	-38.48%	-38.30%	-38.30%	-38.00%	-38.00%	-38.00%	-53.89%
2010	12,800	-	-	0	0.00%	-2.12%	-2.12%	-22.51%	-36.83%	-36.66%	-36.66%	-36.38%	-36.38%	-36.38%
2011	56,895	-	49,228	(49,228)	-86.52%	-70.63%	-26.01%	-26.01%	-38.73%	-44.80%	-44.63%	-44.63%	-44.35%	-44.35%

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Gas Plant  
Distribution Structures & Improvements  
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Transaction Year	Transactional History Retirements	Removal Salvage Cost	Net Salvage	Net Salv. %	2- yr Net Salv. %	3- yr Net Salv. %	4- yr Net Salv. %	5- yr Net Salv. %	6- yr Net Salv. %	7- yr Net Salv. %	8- yr Net Salv. %	9- yr Net Salv. %	10- yr Net Salv. %
1950	-	100	2,048	(1,948)	NA	NA	NA	NA	NA	NA	NA	NA	NA
1951	-	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA
1952	-	-	100	(100)	NA	NA	NA	NA	NA	NA	NA	NA	NA
1953	-	-	21	(21)	NA	NA	NA	NA	NA	NA	NA	NA	NA
1954	-	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA
1955	-	1	2	(1)	NA	NA	NA	NA	NA	NA	NA	NA	NA
1956	-	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA
1957	-	184	683	(499)	NA	NA	NA	NA	NA	NA	NA	NA	NA
1958	-	-	43	(43)	NA	NA	NA	NA	NA	NA	NA	NA	NA
1959	-	325	860	(535)	NA	NA	NA	NA	NA	NA	NA	NA	NA
1960	-	74	151	(77)	NA	NA	NA	NA	NA	NA	NA	NA	NA
1961	-	250	147	103	NA	NA	NA	NA	NA	NA	NA	NA	NA
1962	-	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA
1963	-	10	115	(105)	NA	NA	NA	NA	NA	NA	NA	NA	NA
1964	-	-	10	(10)	NA	NA	NA	NA	NA	NA	NA	NA	NA
1965	-	-	315	(315)	NA	NA	NA	NA	NA	NA	NA	NA	NA
1966	-	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA
1967	-	-	5	(5)	NA	NA	NA	NA	NA	NA	NA	NA	NA
1968	-	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA
1969	-	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA
1970	-	-	165	(165)	NA	NA	NA	NA	NA	NA	NA	NA	NA
1971	-	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA
1972	-	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA
1973	-	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA
1974	-	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA
1975	-	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA
1976	-	250	-	250	NA	NA	NA	NA	NA	NA	NA	NA	NA
1977	-	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA
1978	-	400	-	400	NA	NA	NA	NA	NA	NA	NA	NA	NA
1979	-	3,947	2,686	1,261	NA	NA	NA	NA	NA	NA	NA	NA	NA
1980	-	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA
1981	-	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA
1982	-	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA
1983	-	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA
1984	918	-	919	(919)	-100.11%	-100.11%	-100.11%	-100.11%	-100.11%	37.25%	80.83%	80.83%	108.06%
1985	106	436	-	436	411.32%	-47.17%	-47.17%	-47.17%	-47.17%	-47.17%	75.98%	115.04%	139.45%
1986	-	-	-	0	NA	411.32%	-47.17%	-47.17%	-47.17%	-47.17%	75.98%	115.04%	115.04%
1987	-	-	-	0	NA	NA	411.32%	-47.17%	-47.17%	-47.17%	-47.17%	75.98%	115.04%
1988	-	-	-	0	NA	NA	NA	411.32%	-47.17%	-47.17%	-47.17%	-47.17%	75.98%
1989	-	-	-	0	NA	NA	NA	NA	411.32%	-47.17%	-47.17%	-47.17%	-47.17%
1990	-	-	-	0	NA	NA	NA	NA	NA	411.32%	-47.17%	-47.17%	-47.17%
1991	435	-	-	0	0.00%	0.00%	0.00%	0.00%	0.00%	80.59%	-33.10%	-33.10%	-33.10%
1992	8,491	-	117	(117)	-1.38%	-1.31%	-1.31%	-1.31%	-1.31%	-1.31%	3.53%	-6.03%	-6.03%
1993	-	-	-	0	NA	-1.38%	-1.31%	-1.31%	-1.31%	-1.31%	-1.31%	3.53%	-6.03%
1994	3,680	-	365	(365)	-9.92%	-9.92%	-3.96%	-3.82%	-3.82%	-3.82%	-3.82%	-3.82%	-0.36%
1995	-	-	-	0	NA	-9.92%	-3.96%	-3.82%	-3.82%	-3.82%	-3.82%	-3.82%	-3.82%
1996	411	-	-	0	0.00%	0.00%	-8.92%	-8.92%	-3.70%	-3.70%	-3.70%	-3.70%	-3.70%
1997	-	-	-	0	NA	0.00%	0.00%	-8.92%	-3.70%	-3.70%	-3.70%	-3.70%	-3.70%
1998	-	-	-	0	NA	NA	0.00%	-8.92%	-3.70%	-3.70%	-3.70%	-3.70%	-3.70%
1999	-	-	-	0	NA	NA	NA	0.00%	-8.92%	-3.70%	-3.70%	-3.70%	-3.70%
2000	1,187	-	-	0	0.00%	0.00%	0.00%	0.00%	0.00%	-6.92%	-6.92%	-3.50%	-3.39%
2001	-	-	-	0	NA	0.00%	0.00%	0.00%	0.00%	0.00%	-6.92%	-6.92%	-3.50%
2002	-	-	-	0	NA	NA	0.00%	0.00%	0.00%	0.00%	0.00%	-6.92%	-6.92%
2003	-	-	-	0	NA	NA	NA	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
2004	-	-	-	0	NA	NA	NA	NA	0.00%	0.00%	0.00%	0.00%	0.00%
2005	-	-	-	0	NA	NA	NA	NA	NA	0.00%	0.00%	0.00%	0.00%
2006	4,392	-	-	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
2007	-	-	-	0	NA	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
2008	-	-	-	0	NA	NA	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
2009	-	-	-	0	NA	NA	NA	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
2010	-	-	-	0	NA	NA	NA	NA	0.00%	0.00%	0.00%	0.00%	0.00%
2011	-	-	-	0	NA	NA	NA	NA	NA	0.00%	0.00%	0.00%	0.00%

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Distribution Mains - Metallic  
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Transaction Year	Transactional History Retirements	Salvage	Removal Cost	Net Salvage	Net Salv. %	2-yr Net Salv. %	3-yr Net Salv. %	4-yr Net Salv. %	5-yr Net Salv. %	6-yr Net Salv. %	7-yr Net Salv. %	8-yr Net Salv. %	9-yr Net Salv. %	10-yr Net Salv. %
1950	6,143	752	2,320	(1,568)	-25.52%	-25.52%								
1951	3,621	372	1,165	(793)	-21.90%	-24.18%								
1952	10,066	1,230	3,142	(1,912)	-18.99%	-19.76%								
1953	18,739	501	2,747	(2,246)	-11.99%	-14.43%								
1954	13,390	247	2,407	(2,160)	-16.13%	-13.71%								
1955	25,668	680	2,375	(1,695)	-6.60%	-9.87%								
1956	50,983	1,768	6,963	(5,195)	-10.19%	-8.99%								
1957	53,651	3,886	8,554	(4,668)	-9.43%	-8.70%								
1958	94,547	6,326	12,086	(5,760)	-6.09%	-7.04%								
1959	119,005	9,154	13,232	(4,078)	-3.43%	-4.61%								
1960	146,641	25,310	22,017	3,293	2.25%	-0.30%								
1961	59,014	3,215	16,481	(13,266)	-22.48%	-4.85%								
1962	105,314	1,012	34,265	(33,253)	-31.58%	-28.31%								
1963	165,355	1,133	31,716	(30,583)	-18.50%	-23.58%								
1964	199,865	2,248	36,039	(33,791)	-16.91%	-17.63%								
1965	188,804	1,696	39,089	(37,393)	-19.81%	-18.37%								
1966	307,979	2,759	39,904	(37,145)	-12.06%	-15.00%								
1967	136,986	2,133	31,927	(29,794)	-21.75%	-16.04%								
1968	140,499	2,963	33,968	(31,005)	-22.07%	-21.91%								
1969	162,072	2,962	44,867	(41,905)	-25.86%	-24.10%								
1970	127,243	59,620	34,220	25,400	19.96%	-5.70%								
1971	96,432	33,937	40,958	(7,021)	-7.28%	-10.36%								
1972	167,132	110,552	35,664	74,888	44.81%	25.75%								
1973	149,071	29,344	39,507	(10,163)	-6.82%	20.47%								
1974	124,281	156,025	32,548	123,477	99.35%	41.45%								
1975	155,197	8,125	69,338	(61,213)	-39.44%	22.28%								
1976	204,890	106,656	126,346	(19,690)	-9.61%	-22.47%								
1977	260,298	16,405	122,659	(106,254)	-40.82%	-30.17%								
1978	323,261	72,133	233,494	(161,361)	-49.92%	-45.86%								
1979	318,817	3,804	212,401	(208,597)	-65.43%	-57.62%								
1980	387,831	79,920	458,132	(378,212)	-97.52%	-83.04%								
1981	825,609	580	367,691	(67,111)	-44.47%	-61.42%								
1982	605,121	7,109	329,477	(322,368)	-53.27%	-48.19%								
1983	339,003	164,775	178,171	(13,396)	-3.95%	-35.56%								
1984	258,818	2,846	141,735	(138,889)	-53.66%	-25.47%								
1985	183,413	6,428	137,198	(130,770)	-71.30%	-60.98%								
1986	163,111	526,716	230,624	296,092	181.53%	47.71%								
1987	411,428	(241,164)	237,676	(478,840)	-116.38%	-31.81%								
1988	356,277	58,599	180,326	(121,727)	-34.17%	-78.23%								
1989	397,725	40,142	197,681	(157,539)	-39.61%	-37.04%								
1990	605,322	42,383	293,405	(251,022)	-41.47%	-40.73%								
1991	686,098	49,050	332,740	(283,690)	-41.35%	-41.40%								
1992	1,286,023	4,254	522,481	(518,227)	-40.30%	-40.66%								
1993	539,039	(763)	302,029	(302,792)	-56.17%	-44.99%								
1994	637,351	1,785	276,351	(274,566)	-43.08%	-49.08%								
1995	1,164,725	(5,100)	217,282	(222,382)	-19.09%	-27.58%								
1996	316,021	3,653	187,948	(184,295)	-58.32%	-27.46%								
1997	379,795	2,859	178,040	(175,181)	-46.13%	-51.66%								
1998	1,161,767	96,612	311,185	(214,573)	-18.47%	-25.28%								
1999	1,064,354	57,589	35,771	21,818	2.05%	-8.66%								
2000	944,891	158,394	94,517	(63,877)	6.76%	4.27%								
2001	644,735	(6)	46,542	(46,548)	-7.22%	1.09%								
2002	423,962	(2,932)	(189,519)	186,587	44.01%	13.10%								
2003	348,764	-	13,959	(13,959)	-4.00%	22.34%								
2004	444,145	-	82,638	(82,638)	-18.61%	-12.18%								
2005	864,678	-	71,486	(71,486)	-8.27%	-11.78%								
2006	567,306	-	148,722	(148,722)	-26.22%	-15.38%								
2007	283,204	-	130,105	(130,105)	-45.94%	-32.78%								
2008	382,030	-	90,419	(90,419)	-23.67%	-33.15%								
2009	324,145	-	51,003	(51,003)	-15.73%	-20.03%								
2010	986,972	-	140,357	(140,357)	-14.22%	-14.60%								
2011	650,594	-	366,488	(366,488)	-56.33%	-30.95%								

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Transaction Year	Transactional History Retirements	Salvage	Removal Cost	Net Salvage	Net Salv. %	2-yr Net Salv. %	3-yr Net Salv. %	4-yr Net Salv. %	5-yr Net Salv. %	6-yr Net Salv. %	7-yr Net Salv. %	8-yr Net Salv. %	9-yr Net Salv. %	10-yr Net Salv. %
1950	-	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1951	-	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1952	-	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1953	-	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1954	-	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1955	-	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1956	-	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1957	-	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1958	-	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1959	-	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1960	-	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1961	-	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1962	-	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1963	-	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1964	-	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1965	-	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1966	-	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1967	-	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1968	-	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1969	-	(4)	218	(222)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1970	22,033	64	833	(769)	-3.49%	-4.50%	-4.50%	-4.50%	-4.50%	-4.50%	-4.50%	-4.50%	-4.50%	-4.50%
1971	14,194	1,905	1,559	346	-1.17%	-1.17%	-1.78%	-1.78%	-1.78%	-1.78%	-1.78%	-1.78%	-1.78%	-1.78%
1972	14,884	(35)	1,072	(1,107)	-7.44%	-2.62%	-2.99%	-3.43%	-3.43%	-3.43%	-3.43%	-3.43%	-3.43%	-3.43%
1973	24,279	15,117	7,687	7,430	30.60%	16.15%	12.50%	7.83%	7.53%	7.53%	7.53%	7.53%	7.53%	7.53%
1974	15,204	45,717	3,461	42,256	277.93%	125.84%	89.35%	71.36%	53.16%	52.91%	52.91%	52.91%	52.91%	52.91%
1975	20,556	5,660	10,552	(4,892)	-23.80%	104.49%	74.61%	58.31%	49.41%	38.92%	38.72%	38.72%	38.72%	38.72%
1976	8,993	21,213	6,258	14,955	166.30%	34.06%	116.91%	86.55%	69.88%	60.12%	48.46%	48.27%	48.27%	48.27%
1977	23,480	(21,232)	11,067	(32,299)	-137.56%	-53.41%	-41.93%	29.34%	29.67%	24.53%	21.95%	18.05%	17.89%	17.89%
1978	80,753	22,383	14,926	7,457	9.23%	-23.83%	-8.73%	-11.05%	18.44%	20.15%	17.96%	16.88%	14.88%	14.78%
1979	50,967	6,921	21,584	(14,663)	-28.77%	-5.47%	-25.45%	-14.95%	-15.94%	6.41%	9.03%	8.00%	7.69%	6.80%
1980	35,605	22,108	57,784	(35,676)	-100.20%	-58.15%	-25.63%	-39.40%	-30.14%	-29.55%	-9.71%	-5.94%	-6.02%	-5.60%
1981	101,087	72,317	26,159	46,158	45.66%	7.67%	1.22%	-2.23%	-9.94%	-4.68%	-5.90%	6.92%	8.51%	7.88%
1982	67,171	36,173	33,419	2,754	4.10%	29.07%	6.49%	-0.56%	1.80%	-7.32%	-3.07%	-4.17%	6.45%	7.82%
1983	73,148	85,054	30,023	55,031	75.23%	41.18%	43.06%	24.64%	16.34%	14.94%	6.65%	9.91%	8.41%	17.00%
1984	70,630	17,137	21,494	(4,357)	-6.17%	35.24%	25.33%	31.91%	18.38%	12.35%	11.83%	4.85%	7.69%	6.47%
1985	82,520	106,421	16,770	89,651	108.64%	55.69%	62.01%	48.75%	47.96%	65.50%	28.87%	26.05%	19.48%	21.71%
1986	26,360	104,119	17,643	86,476	328.06%	161.76%	95.69%	89.77%	71.77%	52.58%	44.41%	39.58%	32.78%	32.78%
1987	176,931	305,993	25,515	280,478	158.52%	180.51%	159.76%	126.88%	118.08%	102.67%	93.03%	82.17%	73.91%	67.08%
1988	71,981	84,716	27,728	56,988	79.17%	135.58%	154.01%	143.55%	118.86%	112.50%	99.70%	91.54%	81.87%	74.41%
1989	87,195	50,357	17,237	33,120	37.98%	56.61%	110.26%	126.10%	122.86%	105.19%	101.46%	91.49%	85.37%	77.04%
1990	179,821	132,120	49,192	82,928	46.12%	43.46%	51.04%	87.90%	99.58%	100.77%	89.91%	88.52%	81.73%	77.84%
1991	199,509	102,292	40,741	61,551	30.85%	38.09%	38.07%	43.56%	71.99%	81.09%	83.85%	76.75%	76.63%	71.93%
1992	412,064	3,526	69,671	(66,145)	-16.05%	-0.75%	9.90%	12.69%	17.72%	39.82%	46.40%	50.55%	47.49%	48.96%
1993	212,635	18,927	51,695	(32,768)	-15.41%	-15.83%	-4.53%	4.54%	7.21%	11.66%	31.05%	36.78%	40.87%	38.69%
1994	377,917	2,738	44,330	(41,592)	-11.01%	-12.59%	-14.01%	-6.57%	0.29%	2.52%	6.10%	21.80%	26.43%	30.14%
1995	679,958	(31,276)	71,879	(103,155)	-15.17%	-13.68%	-13.97%	-14.48%	-9.68%	-4.81%	-3.07%	-0.41%	11.32%	14.76%
1996	122,055	74,816	67,252	7,564	6.20%	-11.92%	-11.63%	-12.20%	-13.08%	-8.71%	-4.19%	-2.58%	-0.06%	11.07%
1997	410,820	50,651	60,089	(9,438)	-2.30%	-0.35%	-8.66%	-9.22%	-9.95%	-11.08%	-7.62%	-3.89%	-2.53%	-0.40%
1998	718,480	24,132	91,963	(67,831)	-9.44%	-6.84%	-5.57%	-8.95%	-9.29%	-9.80%	-10.68%	-8.04%	-5.10%	-3.99%
1999	1,047,583	12,955	75,413	(62,458)	-5.96%	-7.38%	-6.42%	-5.75%	-7.90%	-8.25%	-9.44%	-9.44%	-7.52%	-5.31%
2000	722,555	17,415	51,491	(34,076)	-4.72%	-5.45%	-6.60%	-5.99%	-5.50%	-7.28%	-7.62%	-8.01%	-8.71%	-7.10%
2001	574,391	(6)	30,747	(30,753)	-5.35%	-5.00%	-5.43%	-6.37%	-5.89%	-5.48%	-7.02%	-7.34%	-7.70%	-8.35%
2002	799,169	(426)	52,732	(53,158)	-6.65%	-6.11%	-5.63%	-5.74%	-6.43%	-6.03%	-5.69%	-6.96%	-7.24%	-7.55%
2003	691,219	-	123	(123)	-0.02%	-3.57%	-4.07%	-4.24%	-4.71%	-5.46%	-5.19%	-4.92%	-6.13%	-6.43%
2004	400,630	-	13,816	(13,816)	-3.45%	-1.28%	-3.55%	-3.97%	-4.14%	-4.59%	-5.29%	-5.06%	-4.81%	-5.96%
2005	874,539	83,379	74,903	8,476	0.97%	-0.42%	-0.28%	-2.12%	-2.68%	-3.04%	-3.64%	-4.35%	-4.22%	-4.02%
2006	658,489	-	98,788	(98,788)	-15.00%	-5.89%	-5.39%	-3.97%	-4.60%	-4.71%	-4.71%	-4.94%	-5.43%	-5.25%
2007	1,668,721	-	152,404	(152,404)	-9.13%	-10.79%	-7.12%	-7.12%	-5.98%	-6.08%	-6.01%	-5.86%	-5.88%	-6.19%
2008	1,772,781	-	306,435	(306,435)	-17.29%	-13.33%	-13.60%	-11.04%	-10.47%	-9.28%	-8.98%	-8.70%	-8.34%	-8.07%
2009	1,073,526	-	243,617	(243,617)	-22.69%	-19.33%	-15.56%	-15.49%	-13.11%	-12.51%	-11.30%	-10.83%	-10.46%	-10.01%
2010	1,606,639	-	239,095	(239,095)	-14.88%	-18.01%	-17.72%	-15.38%	-15.34%	-13.48%	-12.98%	-11.96%	-11.51%	-11.16%
2011	624,914	-	338,991	(338,991)	-54.25%	-25.91%	-24.86%	-22.22%	-18.98%	-18.63%	-16.56%	-15.95%	-14.78%	-14.14%

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1950	-	70	58	12	NA	NA	NA	NA	NA	NA	NA	NA	NA	
1951	-	211	43	168	NA	NA	NA	NA	NA	NA	NA	NA	NA	
1952	-	1,464	2,474	(1,010)	NA	NA	NA	NA	NA	NA	NA	NA	NA	
1953	-	(235)	1,000	(1,235)	NA	NA	NA	NA	NA	NA	NA	NA	NA	
1954	-	242	135	107	NA	NA	NA	NA	NA	NA	NA	NA	NA	
1955	-	690	97	593	NA	NA	NA	NA	NA	NA	NA	NA	NA	
1956	-	3,965	601	3,364	NA	NA	NA	NA	NA	NA	NA	NA	NA	
1957	-	5,073	2,388	2,685	NA	NA	NA	NA	NA	NA	NA	NA	NA	
1958	-	1,573	510	1,063	NA	NA	NA	NA	NA	NA	NA	NA	NA	
1959	-	2,483	2,045	438	NA	NA	NA	NA	NA	NA	NA	NA	NA	
1960	-	5,753	2,369	3,384	NA	NA	NA	NA	NA	NA	NA	NA	NA	
1961	-	5,412	1,827	3,585	NA	NA	NA	NA	NA	NA	NA	NA	NA	
1962	-	828	2,311	(1,483)	NA	NA	NA	NA	NA	NA	NA	NA	NA	
1963	-	4,398	2,126	2,272	NA	NA	NA	NA	NA	NA	NA	NA	NA	
1964	-	746	528	218	NA	NA	NA	NA	NA	NA	NA	NA	NA	
1965	-	831	2,442	(1,611)	NA	NA	NA	NA	NA	NA	NA	NA	NA	
1966	-	2,805	1,257	1,548	NA	NA	NA	NA	NA	NA	NA	NA	NA	
1967	-	962	494	468	NA	NA	NA	NA	NA	NA	NA	NA	NA	
1968	-	2,020	5,436	(3,416)	NA	NA	NA	NA	NA	NA	NA	NA	NA	
1969	-	3,286	1,476	1,810	NA	NA	NA	NA	NA	NA	NA	NA	NA	
1970	-	16,395	9,504	6,891	NA	NA	NA	NA	NA	NA	NA	NA	NA	
1971	-	7,019	2,502	4,517	NA	NA	NA	NA	NA	NA	NA	NA	NA	
1972	-	4,666	3,624	1,042	NA	NA	NA	NA	NA	NA	NA	NA	NA	
1973	-	3,442	2,002	1,440	NA	NA	NA	NA	NA	NA	NA	NA	NA	
1974	-	2,989	1,725	1,264	NA	NA	NA	NA	NA	NA	NA	NA	NA	
1975	-	(188)	8,082	(8,270)	NA	NA	NA	NA	NA	NA	NA	NA	NA	
1976	-	4,636	16,426	(11,790)	NA	NA	NA	NA	NA	NA	NA	NA	NA	
1977	-	2,572	89	2,483	NA	NA	NA	NA	NA	NA	NA	NA	NA	
1978	-	3,146	19,089	(15,943)	NA	NA	NA	NA	NA	NA	NA	NA	NA	
1979	-	9,160	7,835	1,325	NA	NA	NA	NA	NA	NA	NA	NA	NA	
1980	-	1,196	10,892	(9,696)	NA	NA	NA	NA	NA	NA	NA	NA	NA	
1981	-	592	11,794	(11,202)	NA	NA	NA	NA	NA	NA	NA	NA	NA	
1982	-	12,783	9,841	2,942	NA	NA	NA	NA	NA	NA	NA	NA	NA	
1983	-	44,873	11,598	33,275	NA	NA	NA	NA	NA	NA	NA	NA	NA	
1984	-	14,488	8,070	6,418	NA	NA	NA	NA	NA	NA	NA	NA	NA	
1985	-	107	327	(220)	NA	NA	NA	NA	NA	NA	NA	NA	NA	
1986	-	(18,487)	-	(18,487)	NA	NA	NA	NA	NA	NA	NA	NA	NA	
1987	-	(9,061)	-	(9,061)	NA	NA	NA	NA	NA	NA	NA	NA	NA	
1988	-	39	14,752	(14,713)	NA	NA	NA	NA	NA	NA	NA	NA	NA	
1989	-	730	5,490	(4,760)	NA	NA	NA	NA	NA	NA	NA	NA	NA	
1990	-	(115)	11,898	(12,013)	NA	NA	NA	NA	NA	NA	NA	NA	NA	
1991	-	(33)	10,486	(10,519)	NA	NA	NA	NA	NA	NA	NA	NA	NA	
1992	-	-	18,741	(18,741)	NA	NA	NA	NA	NA	NA	NA	NA	NA	
1993	-	(1,260)	16,928	(18,188)	NA	NA	NA	NA	NA	NA	NA	NA	NA	
1994	-	(626)	23,307	(23,933)	NA	NA	NA	NA	NA	NA	NA	NA	NA	
1995	-	-	24,383	(24,383)	NA	NA	NA	NA	NA	NA	NA	NA	NA	
1996	-	-	32,297	(32,297)	NA	NA	NA	NA	NA	NA	NA	NA	NA	
1997	-	(33)	60,207	(60,240)	NA	NA	NA	NA	NA	NA	NA	NA	NA	
1998	-	(18)	64,663	(64,681)	NA	NA	NA	NA	NA	NA	NA	NA	NA	
1999	-	(333)	43,594	(43,927)	NA	NA	NA	NA	NA	NA	NA	NA	NA	
2000	-	152	45,895	(45,743)	NA	NA	NA	NA	NA	NA	NA	NA	NA	
2001	-	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	
2002	8,815	-	407	(407)	-4.62%	-4.62%	-523.54%	-1021.86%	-1755.61%	-2438.98%	-2805.37%	-3081.97%	-3353.47%	-3559.80%
2003	9,566	-	460	(460)	-4.72%	-4.72%	-253.58%	-4.72%	-492.57%	-844.47%	-1172.20%	-1347.92%	-1480.57%	-1610.78%
2004	474	-	48,720	(48,720)	-10267.97%	-489.84%	-262.99%	-262.99%	-505.60%	-738.57%	-1081.61%	-1401.10%	-1572.39%	-1701.71%
2005	20,557	-	7,962	(7,962)	-38.73%	-269.51%	-186.76%	-146.02%	-146.02%	-262.08%	-373.54%	-537.65%	-690.50%	-772.45%
2006	49,209	-	23,213	(23,213)	-47.17%	-44.69%	-113.75%	-100.69%	-91.13%	-91.13%	-142.75%	-192.32%	-265.30%	-333.28%
2007	85,150	-	43,100	(43,100)	-50.62%	-49.36%	-47.95%	-79.15%	-74.84%	-71.28%	-71.28%	-97.60%	-122.88%	-160.10%
2008	1,306	-	-	0	0.00%	-49.85%	-48.88%	-47.55%	-78.49%	-74.25%	-70.75%	-70.75%	-96.88%	-121.97%
2009	16,993	-	12,543	(12,543)	-73.81%	-68.55%	-53.79%	-51.66%	-50.12%	-78.04%	-74.21%	-71.02%	-94.84%	-121.97%
2010	2,203	-	-	0	0.00%	-65.34%	-61.18%	-52.67%	-50.92%	-49.49%	-77.06%	-73.33%	-70.21%	-70.21%
2011	2,119	-	15,709	(15,709)	-741.39%	-363.47%	-132.55%	-124.89%	-66.21%	-60.24%	-57.75%	-84.97%	-80.88%	-77.46%

Northern States Power Company - North Dakota: Transmission, Distribution & General Study

Gas Plant  
Distribution Measure & Regulating Station Equipment - City Gate  
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Transaction Year	Transactional History Retirements	Salvage	Removal Cost	Net Salvage	Net Salv. %	2- yr Net Salv. %	3- yr Net Salv. %	4- yr Net Salv. %	5- yr Net Salv. %	6- yr Net Salv. %	7- yr Net Salv. %	8- yr Net Salv. %	9- yr Net Salv. %	10- yr Net Salv. %
1950	793	-	-	0	0.00%	0.00%								
1951	341	-	-	0	0.00%	0.00%	0.00%							
1952	21,476	-	-	0	0.00%	0.00%	0.00%	0.00%						
1953	5,715	-	-	0	0.00%	0.00%	0.00%	0.00%	0.00%					
1954	3,166	-	-	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%				
1955	860	-	-	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%			
1956	9,293	-	-	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		
1957	40,475	-	-	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
1958	751	-	-	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
1959	19,837	-	-	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
1960	46,004	-	-	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
1961	15,591	-	-	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
1962	22,040	-	-	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
1963	61,100	-	-	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
1964	8,807	-	-	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
1965	16,512	-	-	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
1966	15,499	-	-	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
1967	9,737	-	-	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
1968	32,546	-	-	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
1969	17,565	-	-	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
1970	18,101	-	-	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
1971	10,939	-	-	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
1972	19,911	-	-	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
1973	23,660	-	-	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
1974	6,786	-	-	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
1975	21,180	-	-	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
1976	34,435	-	-	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
1977	3,530	-	-	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
1978	98,545	-	-	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
1979	84,055	-	-	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
1980	28,236	-	-	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
1981	107,307	-	-	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
1982	111,108	-	-	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
1983	58,306	-	-	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
1984	110,686	-	-	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
1985	5,649	-	-	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
1986	-	-	-	0	NA	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
1987	-	-	-	0	NA	NA	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
1988	160,011	-	-	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
1989	76,757	-	-	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
1990	53,406	-	-	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
1991	86,250	-	-	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
1992	171,373	-	-	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
1993	245,739	-	-	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
1994	287,322	-	-	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
1995	131,413	-	-	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
1996	266,836	-	-	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
1997	136,515	-	-	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
1998	194,779	-	-	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
1999	260,094	-	-	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
2000	52,736	-	-	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
2001	-	-	-	0	NA	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
2002	-	-	-	0	NA	NA	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
2003	-	-	-	0	NA	NA	NA	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
2004	-	-	-	0	NA	NA	NA	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
2005	12,025	-	-	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
2006	-	-	-	0	NA	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
2007	3,000	-	-	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
2008	-	-	-	0	NA	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
2009	-	-	310	(310)	NA	NA	-10.34%	-10.34%	-2.06%	-2.06%	-2.06%	-2.06%	-2.06%	-0.46%
2010	-	-	-	0	NA	NA	NA	-10.34%	-10.34%	-2.06%	-2.06%	-2.06%	-2.06%	-2.06%
2011	-	-	-	0	NA	NA	NA	NA	-10.34%	-10.34%	-2.06%	-2.06%	-2.06%	-2.06%

Northern States Power Company - North Dakota: Transmission, Distribution & General Study

Gas Plant  
Distribution Services - Metallic  
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Transaction Year	Transactional History Retirements	Removal Salvage	Removal Cost	Net Salvage	Net Salv. %	2-yr Net Salv. %	3-yr Net Salv. %	4-yr Net Salv. %	5-yr Net Salv. %	6-yr Net Salv. %	7-yr Net Salv. %	8-yr Net Salv. %	9-yr Net Salv. %	10-yr Net Salv. %
1950	6,197	3	5,236	(5,233)	-84.44%	-84.44%								
1951	5,205	127	4,856	(4,729)	-90.85%	-87.37%								
1952	17,277	36	9,454	(9,418)	-54.51%	-62.93%	-87.37%							
1953	15,269	38	8,072	(8,034)	-52.62%	-53.62%	-58.76%	-62.38%						
1954	21,309	140	13,024	(12,884)	-60.46%	-57.19%	-56.33%	-59.37%	-61.75%					
1955	16,255	41	9,654	(9,613)	-59.14%	-59.89%	-57.79%	-56.98%	-59.32%					
1956	45,687	363	10,010	(9,647)	-21.12%	-31.09%	-38.61%	-40.78%	-42.83%	-61.75%				
1957	31,602	82	12,500	(12,418)	-39.29%	-28.55%	-33.86%	-38.80%	-40.42%	-44.90%				
1958	29,525	(88)	13,244	(13,332)	-45.15%	-42.13%	-33.14%	-36.57%	-40.10%	-41.30%				
1959	35,626	2,497	22,108	(19,611)	-55.05%	-50.56%	-46.88%	-38.62%	-40.72%	-43.06%				
1960	49,007	3,004	43,930	(40,926)	-83.51%	-71.53%	-64.71%	-59.20%	-50.11%	-50.82%				
1961	24,930	518	37,704	(37,186)	-149.16%	-105.65%	-89.19%	-79.85%	-72.34%	-61.52%				
1962	40,373	3,098	49,880	(46,782)	-115.87%	-128.58%	-109.26%	-96.38%	-87.95%	-80.67%				
1963	37,209	860	48,458	(47,598)	-127.92%	-121.65%	-128.34%	-113.84%	-102.65%	-94.81%				
1964	55,921	53	95,052	(94,999)	-169.88%	-153.12%	-141.85%	-143.00%	-128.95%	-118.12%				
1965	57,529	80	68,093	(68,013)	-118.22%	-143.69%	-139.79%	-134.74%	-136.40%	-126.62%				
1966	49,230	192	63,443	(63,251)	-128.48%	-122.95%	-139.08%	-137.01%	-133.46%	-134.93%				
1967	53,495	6	68,249	(68,243)	-128.01%	-127.57%	-124.49%	-136.23%	-135.01%	-132.38%				
1968	60,123	266	72,934	(72,668)	-120.87%	-124.02%	-125.37%	-123.50%	-132.89%	-132.30%				
1969	56,841	4	88,300	(88,296)	-137.62%	-137.62%	-134.46%	-133.12%	-130.03%	-136.72%				
1970	48,719	7,168	79,589	(72,421)	-148.65%	-152.25%	-140.86%	-137.62%	-135.94%	-132.81%				
1971	65,848	9,095	118,641	(109,546)	-166.36%	-158.83%	-157.67%	-148.11%	-144.26%	-141.27%				
1972	103,125	10,290	107,579	(97,289)	-94.34%	-122.41%	-128.28%	-133.88%	-131.54%	-131.00%				
1973	71,461	13,397	166,605	(153,208)	-143.48%	-143.48%	-149.75%	-149.56%	-150.51%	-146.12%				
1974	108,303	94,646	174,606	(79,960)	-73.83%	-129.71%	-116.82%	-126.17%	-128.93%	-132.23%				
1975	93,629	5,341	171,786	(166,445)	-122.02%	-146.17%	-146.17%	-131.97%	-137.09%	-138.24%				
1976	135,413	8,655	210,172	(201,517)	-148.82%	-160.65%	-132.78%	-147.05%	-136.43%	-139.84%				
1977	117,142	821	126,658	(125,837)	-107.42%	-129.62%	-142.64%	-138.22%	-131.03%	-131.03%				
1978	150,341	9,092	219,945	(210,853)	-140.25%	-125.87%	-133.58%	-141.92%	-129.72%	-138.67%				
1979	152,141	8,712	226,018	(217,306)	-142.83%	-141.56%	-132.02%	-142.13%	-142.13%	-132.36%				
1980	277,354	9,085	311,143	(302,058)	-108.91%	-120.92%	-125.94%	-122.82%	-127.05%	-132.18%				
1981	384,302	9,613	411,144	(401,531)	-104.48%	-106.34%	-113.16%	-117.38%	-119.31%	-119.92%				
1982	314,996	(78)	308,084	(308,162)	-97.83%	-101.49%	-103.59%	-108.88%	-112.57%	-112.14%				
1983	170,800	228	128,131	(127,903)	-74.88%	-89.76%	-96.26%	-99.32%	-104.41%	-108.13%				
1984	154,357	1,135	136,495	(135,360)	-87.69%	-80.96%	-89.26%	-94.97%	-97.94%	-102.64%				
1985	321,721	833	120,889	(120,056)	-37.32%	-53.65%	-59.26%	-71.89%	-81.19%	-85.93%				
1986	213,032	5,331	164,712	(159,381)	-74.82%	-52.26%	-60.19%	-63.11%	-72.42%	-80.32%				
1987	203,059	12	164,404	(164,392)	-80.96%	-77.81%	-60.15%	-64.92%	-66.52%	-73.68%				
1988	263,412	3,142	136,838	(133,696)	-50.76%	-63.90%	-67.32%	-57.68%	-61.69%	-63.39%				
1989	457,349	2,146	233,570	(231,424)	-50.60%	-50.66%	-57.32%	-60.60%	-55.46%	-58.55%				
1990	788,528	736	261,198	(260,462)	-33.03%	-39.48%	-41.45%	-46.13%	-49.31%	-47.59%				
1991	769,364	3,176	356,511	(353,335)	-45.93%	-39.40%	-41.94%	-42.96%	-46.07%	-48.34%				
1992	981,414	133	358,621	(358,488)	-36.53%	-40.66%	-38.29%	-40.17%	-41.02%	-43.37%				
1993	384,230	5,641	221,147	(215,506)	-56.09%	-42.03%	-43.43%	-40.63%	-41.98%	-42.61%				
1994	764,226	3,172	219,899	(216,727)	-28.36%	-37.64%	-37.13%	-39.46%	-38.09%	-39.47%				
1995	993,608	2,207	261,141	(258,934)	-26.06%	-27.06%	-32.27%	-33.61%	-36.04%	-35.53%				
1996	282,088	1,968	183,025	(181,057)	-64.18%	-34.49%	-32.19%	-35.98%	-36.14%	-37.94%				
1997	78,224	838	155,036	(154,198)	-197.12%	-93.05%	-43.89%	-38.28%	-41.02%	-39.75%				
1998	1,097,883	2,977	174,357	(171,380)	-15.61%	-27.68%	-34.74%	-31.22%	-30.54%	-33.27%				
1999	862,107	5,293	106,935	(101,642)	-11.79%	-13.93%	-20.96%	-26.22%	-26.17%	-26.58%				
2000	758,051	10,864	127,418	(116,554)	-15.38%	-13.47%	-14.33%	-19.45%	-23.55%	-24.16%				
2001	419,823	(669)	69,516	(70,185)	-16.72%	-15.85%	-14.14%	-14.65%	-19.09%	-22.73%				
2002	119,335	(433)	73,631	(74,064)	-62.06%	-26.75%	-20.10%	-16.79%	-16.39%	-20.63%				
2003	194,028	-	65,576	(65,576)	-33.80%	-44.56%	-21.89%	-21.89%	-17.37%	-21.35%				
2004	-	-	103	(103)	NA	-33.85%	-44.59%	-28.63%	-21.89%	-18.19%				
2005	53	-	6,722	(6,722)	-1251.68%	-1270.82%	-37.21%	-46.66%	-29.53%	-22.34%				
2006	7,297	-	6,902	(6,902)	-94.60%	-173.92%	-175.23%	-39.29%	-47.75%	-30.17%				
2007	747,051	301	320,072	(319,771)	-42.80%	-43.31%	-44.17%	-44.18%	-42.06%	-44.29%				
2008	325,115	-	260,296	(260,296)	-80.06%	-54.10%	-54.38%	-54.97%	-54.98%	-51.75%				
2009	152,343	-	205,883	(205,883)	-135.14%	-97.64%	-64.18%	-64.37%	-64.88%	-64.89%				
2010	542,203	-	277,790	(277,790)	-51.23%	-69.64%	-72.96%	-60.21%	-60.35%	-60.71%				
2011	502,649	-	21,671	(21,671)	-4.31%	-28.66%	-42.21%	-50.29%	-47.83%	-47.98%				

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Gas Plant  
Distribution Services - Plastic  
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Transaction Year	Transactional History Retirements	Removal Salvage	Removal Cost	Net Salvage	Net Salv. %	2- yr Net Salv. %	3- yr Net Salv. %	4- yr Net Salv. %	5- yr Net Salv. %	6- yr Net Salv. %	7- yr Net Salv. %	8- yr Net Salv. %	9- yr Net Salv. %	10- yr Net Salv. %
1970	8,822	106	2,488	(2,382)	-27.00%	-27.00%								
1971	8,573	(115)	2,563	(2,678)	-31.24%	-29.09%								
1972	17,781	1,590	5,244	(3,654)	-20.55%	-24.03%	-24.77%							
1973	40,040	454	14,296	(13,842)	-34.57%	-30.26%	-30.39%	-29.99%						
1974	51,456	17,467	21,140	(3,673)	-7.14%	-19.14%	-19.37%	-20.24%	-20.71%	-20.71%				
1975	25,235	1,762	17,817	(16,055)	-63.62%	-25.72%	-28.76%	-27.67%	-27.89%	-27.84%	-27.84%			
1976	42,762	3,480	17,478	(13,998)	-32.73%	-44.20%	-28.23%	-29.82%	-28.89%	-29.00%	-28.91%	-28.91%		
1977	132,564	1,733	22,929	(21,196)	-15.99%	-20.07%	-25.55%	-21.79%	-23.54%	-23.37%	-23.58%	-23.68%	-23.68%	
1978	55,089	13,057	33,166	(20,109)	-36.50%	-22.01%	-24.00%	-27.91%	-24.43%	-25.60%	-25.35%	-25.49%	-25.52%	-25.52%
1979	197,247	9,776	45,751	(35,975)	-18.24%	-22.23%	-20.08%	-21.34%	-23.70%	-22.01%	-22.93%	-22.86%	-22.98%	-22.98%
1980	132,930	13,543	69,596	(56,053)	-42.17%	-27.87%	-29.11%	-25.75%	-26.28%	-27.89%	-26.21%	-26.71%	-26.55%	-26.61%
1981	210,468	39,260	93,176	(53,916)	-25.62%	-32.02%	-26.99%	-27.87%	-25.71%	-26.10%	-27.29%	-26.07%	-26.45%	-26.33%
1982	254,407	8,266	63,104	(54,838)	-21.56%	-23.39%	-27.57%	-25.25%	-25.98%	-24.63%	-24.97%	-25.90%	-25.02%	-25.36%
1983	143,208	1,693	51,619	(49,926)	-34.86%	-26.35%	-26.10%	-28.98%	-26.72%	-27.26%	-25.94%	-26.18%	-26.93%	-26.16%
1984	133,589	2,604	60,332	(57,728)	-43.21%	-38.89%	-30.59%	-29.18%	-31.15%	-28.78%	-29.15%	-27.77%	-28.61%	-28.61%
1985	142,963	11,550	39,776	(28,226)	-19.74%	-31.08%	-32.37%	-28.29%	-27.65%	-29.55%	-27.71%	-28.09%	-26.95%	-27.12%
1986	95,770	22,810	62,002	(39,192)	-40.92%	-28.24%	-33.61%	-33.96%	-29.86%	-28.95%	-30.53%	-28.68%	-28.99%	-27.84%
1987	166,822	64,299	75,014	(10,715)	-6.42%	-19.01%	-19.27%	-25.20%	-27.23%	-25.69%	-25.67%	-27.39%	-26.17%	-26.54%
1988	137,917	46,472	72,044	(25,572)	-18.54%	-11.91%	-18.85%	-19.08%	-23.84%	-25.77%	-24.77%	-24.91%	-26.53%	-25.51%
1989	140,084	12,402	77,618	(65,216)	-46.55%	-32.66%	-22.82%	-26.03%	-24.71%	-27.74%	-28.80%	-27.28%	-28.04%	-28.33%
1990	349,291	4,096	110,758	(106,662)	-30.54%	-35.12%	-31.48%	-26.21%	-27.80%	-26.68%	-28.58%	-29.26%	-28.01%	-27.73%
1991	254,831	20,544	182,930	(162,386)	-63.72%	-44.54%	-44.92%	-40.79%	-35.33%	-35.79%	-34.01%	-34.88%	-34.88%	-33.01%
1992	451,363	6,116	208,587	(202,471)	-44.86%	-51.67%	-44.67%	-44.89%	-42.17%	-38.19%	-38.36%	-36.83%	-37.28%	-37.11%
1993	610,266	31,910	276,052	(244,142)	-40.01%	-42.07%	-46.26%	-42.96%	-43.24%	-41.49%	-38.72%	-38.81%	-37.65%	-37.95%
1994	705,761	21,928	314,158	(292,230)	-41.41%	-40.76%	-41.80%	-44.57%	-42.50%	-42.73%	-41.47%	-39.39%	-39.44%	-38.52%
1995	739,770	51,941	377,392	(325,451)	-43.99%	-42.73%	-41.92%	-42.45%	-44.41%	-42.86%	-43.01%	-42.02%	-40.35%	-40.36%
1996	255,077	78,334	376,198	(297,864)	-116.77%	-62.65%	-53.84%	-50.18%	-49.31%	-50.53%	-48.46%	-48.38%	-47.25%	-45.46%
1997	123,681	93,960	304,165	(210,205)	-169.96%	-134.14%	-74.52%	-61.71%	-56.27%	-54.48%	-55.23%	-52.76%	-52.52%	-51.28%
1998	1,213,825	72,118	327,413	(255,295)	-21.03%	-34.80%	-47.93%	-46.68%	-45.46%	-44.55%	-44.58%	-45.70%	-44.57%	-44.63%
1999	1,955,088	110,770	285,652	(174,882)	-8.94%	-13.57%	-19.45%	-26.45%	-29.47%	-31.16%	-32.12%	-33.07%	-34.31%	-34.11%
2000	870,978	96,624	271,789	(175,165)	-20.11%	-12.39%	-14.98%	-19.59%	-25.20%	-27.89%	-29.52%	-30.51%	-31.44%	-32.59%
2001	1,038,157	443	165,476	(165,033)	-15.90%	-17.82%	-13.33%	-15.17%	-18.85%	-23.43%	-25.88%	-27.47%	-28.49%	-29.42%
2002	210,674	(1,780)	158,565	(160,345)	-76.11%	-26.05%	-23.61%	-16.58%	-17.60%	-21.08%	-25.39%	-27.54%	-28.91%	-29.79%
2003	778,902	-	127,486	(127,486)	-16.37%	-29.09%	-22.33%	-21.67%	-16.54%	-17.44%	-20.49%	-24.30%	-26.32%	-27.67%
2004	-	-	2,855	(2,855)	NA	-16.73%	-29.37%	-22.47%	-21.76%	-16.60%	-17.49%	-20.53%	-24.34%	-26.36%
2005	88,767	-	18,592	(18,592)	-20.95%	-24.16%	-17.16%	-28.68%	-22.41%	-21.74%	-16.68%	-17.54%	-20.54%	-24.30%
2006	-	-	1,791	(1,791)	NA	-22.96%	-26.18%	-17.37%	-28.85%	-22.49%	-21.80%	-16.71%	-17.57%	-20.57%
2007	1,663,428	126,255	776,287	(650,032)	-39.08%	-39.19%	-38.26%	-38.42%	-31.64%	-35.05%	-29.79%	-27.98%	-22.35%	-22.14%
2008	757,228	-	371,772	(371,772)	-49.10%	-42.21%	-42.29%	-41.53%	-41.64%	-35.66%	-38.09%	-33.01%	-30.94%	-25.10%
2009	1,756,656	-	809,071	(809,071)	-46.06%	-46.97%	-43.83%	-43.87%	-43.39%	-43.46%	-39.28%	-40.76%	-36.65%	-34.64%
2010	7,637,094	2,209	812,372	(810,163)	-10.61%	-17.24%	-19.61%	-22.35%	-22.37%	-22.36%	-22.38%	-22.01%	-22.90%	-22.38%
2011	1,426,795	-	1,368,203	(1,368,203)	-95.89%	-24.03%	-27.61%	-29.01%	-30.28%	-30.29%	-30.23%	-30.25%	-29.48%	-30.17%

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Transaction Year	Transactional History Retirements	Removal Salvage	Removal Cost	Net Salvage	Net Salv. %	2- yr Net Salv. %	3- yr Net Salv. %	4- yr Net Salv. %	5- yr Net Salv. %	6- yr Net Salv. %	7- yr Net Salv. %	8- yr Net Salv. %	9- yr Net Salv. %	10- yr Net Salv. %
1950	26,646	2,144	940	1,204	4.52%	4.52%								
1951	37,990	4,059	2,821	1,238	3.26%	3.78%	3.78%							
1952	63,040	7,423	2,639	4,784	7.59%	5.66%	5.66%	5.66%						
1953	60,652	7,433	4,097	3,336	5.50%	6.56%	5.79%	5.61%	5.61%					
1954	85,796	10,084	4,330	5,754	6.71%	6.21%	6.62%	6.11%	5.95%	5.95%				
1955	74,520	8,700	3,891	4,809	6.45%	6.59%	6.29%	6.58%	6.19%	6.06%	6.06%			
1956	62,426	3,707	3,637	70	0.11%	3.56%	4.77%	4.93%	5.41%	5.20%	5.16%	5.16%		
1957	36,346	3,616	3,140	476	1.31%	0.55%	3.09%	4.29%	4.52%	5.02%	4.86%	4.84%	4.84%	
1958	37,469	3,238	2,461	777	2.07%	1.70%	0.97%	2.91%	4.01%	4.26%	4.76%	4.64%	4.63%	4.63%
1959	39,312	3,672	3,020	652	1.66%	1.86%	1.68%	1.13%	2.71%	3.73%	4.00%	4.50%	4.40%	4.41%
1960	42,518	12,226	1,941	10,285	24.19%	13.37%	9.82%	7.83%	5.62%	5.83%	6.03%	5.96%	6.16%	5.96%
1961	51,352	5,335	2,843	2,492	4.85%	13.61%	10.08%	8.32%	7.09%	5.48%	5.69%	5.89%	5.84%	6.04%
1962	81,735	9,611	3,146	6,465	7.91%	6.73%	10.96%	9.26%	8.19%	7.32%	6.04%	6.11%	6.21%	6.14%
1963	100,878	8,395	2,560	5,835	5.78%	6.74%	6.32%	9.07%	8.15%	7.50%	6.93%	5.98%	6.05%	6.14%
1964	66,968	10,296	3,100	7,196	10.75%	7.76%	7.81%	7.31%	9.40%	8.60%	8.02%	7.49%	6.60%	6.58%
1965	54,775	10,575	3,501	7,074	12.91%	11.72%	9.03%	8.73%	8.17%	9.88%	9.14%	8.58%	8.07%	7.20%
1966	60,906	6,822	3,066	3,756	6.17%	9.36%	9.87%	8.42%	8.30%	7.88%	9.39%	8.78%	8.31%	7.86%
1967	47,219	9,175	2,954	6,221	13.17%	9.23%	10.47%	10.55%	9.10%	8.86%	8.42%	9.74%	9.16%	8.70%
1968	38,275	3,315	3,244	71	0.19%	7.36%	6.86%	8.51%	9.07%	8.17%	8.12%	7.79%	9.07%	8.57%
1969	48,642	7,257	3,241	4,016	8.26%	4.70%	7.68%	7.21%	8.46%	8.94%	8.18%	8.14%	7.83%	9.00%
1970	23,708	3,401	22,229	(18,828)	-79.42%	-20.47%	-13.33%	-5.40%	-2.18%	0.84%	2.79%	3.48%	4.17%	4.23%
1971	68,330	16,142	70	16,072	-2.99%	0.90%	0.74%	3.34%	3.94%	3.94%	5.38%	6.26%	6.16%	6.40%
1972	105,572	64,409	939	63,470	60.12%	45.74%	30.72%	26.29%	22.77%	21.41%	19.04%	18.29%	17.31%	15.42%
1973	113,124	9,753	534	9,219	8.15%	33.24%	30.92%	22.51%	20.58%	18.61%	18.04%	16.25%	16.61%	16.25%
1974	88,323	19,378	989	18,389	20.82%	13.70%	29.67%	28.55%	22.13%	20.63%	19.02%	18.50%	17.23%	16.87%
1975	114,262	8,783	747	8,036	7.03%	13.04%	11.29%	23.53%	23.53%	18.77%	17.86%	16.73%	16.47%	15.59%
1976	114,583	10,423	1,062	9,361	8.17%	7.60%	11.28%	10.46%	20.24%	20.61%	16.84%	16.22%	15.36%	15.23%
1977	169,671	666	(389)	666	-0.23%	3.16%	4.27%	7.27%	7.44%	15.32%	16.04%	13.21%	12.92%	12.37%
1978	177,839	17,998	181	17,817	10.02%	5.02%	5.80%	6.04%	8.01%	8.03%	14.25%	14.92%	12.63%	12.42%
1979	174,838	41,213	4,965	36,248	20.73%	15.33%	10.28%	9.90%	9.46%	10.66%	10.36%	15.32%	15.82%	13.86%
1980	266,193	60,676		60,676	22.79%	21.98%	18.54%	14.50%	13.70%	12.95%	13.58%	13.07%	16.82%	17.15%
1981	316,320	41,757		41,757	13.20%	17.58%	18.31%	16.73%	14.13%	13.57%	13.01%	13.49%	13.10%	16.13%
1982	345,536	40,902	693	40,209	11.64%	12.38%	15.37%	16.22%	15.36%	13.54%	13.14%	12.73%	13.13%	12.83%
1983	264,175	4,128	14,608	(10,480)	-3.97%	4.88%	7.72%	11.09%	12.32%	12.05%	10.84%	10.67%	10.46%	10.91%
1984	338,570	1,831	3,181	(1,350)	-0.40%	-1.96%	2.99%	5.55%	8.55%	9.79%	9.82%	8.99%	8.94%	8.85%
1985	272,779	49	2,332	(2,283)	-0.84%	-0.59%	-1.61%	2.14%	4.41%	7.13%	8.33%	8.47%	7.83%	7.85%
1986	286,699	1,386	740	646	0.23%	-0.29%	-0.33%	-1.16%	1.77%	3.76%	6.18%	7.30%	7.50%	7.00%
1987	358,589	6,879	220	6,659	1.86%	1.13%	0.55%	0.29%	-0.45%	1.79%	3.44%	5.55%	6.56%	6.78%
1988	383,673		461	(461)	-0.12%	0.84%	0.67%	0.35%	0.20%	-0.38%	1.46%	2.91%	4.78%	5.71%
1989	450,133	37	384	(347)	-0.08%	-0.10%	0.49%	0.44%	0.24%	0.14%	-0.32%	1.21%	2.46%	4.11%
1990	363,083	1,210	6,588	(5,378)	-1.48%	-0.70%	-0.52%	0.03%	0.06%	-0.06%	-0.10%	-0.48%	0.89%	2.04%
1991	440,704	2	1,950	(1,948)	-0.44%	-0.91%	-0.61%	-0.50%	-0.07%	-0.04%	-0.12%	-0.15%	-0.47%	0.72%
1992	588,449	259	1,448	(1,189)	-0.20%	-0.30%	-0.61%	-0.48%	-0.42%	-0.10%	-0.07%	-0.14%	-0.16%	-0.43%
1993	383,383	2,680	15,953	(13,273)	-3.46%	-1.49%	-1.16%	-1.23%	-0.99%	-0.87%	-0.54%	-0.47%	-0.50%	-0.49%
1994	719,429	600	411	189	0.03%	-1.19%	-0.84%	-0.76%	-0.87%	-0.75%	-0.67%	-0.43%	-0.38%	-0.41%
1995	566,826	101	(2,196)	2,297	0.41%	0.19%	-0.65%	-0.53%	-0.52%	-0.63%	-0.56%	-0.52%	-0.32%	-0.28%
1996	1,141,639	94,452		94,452	8.27%	5.66%	3.99%	2.98%	2.43%	2.10%	1.79%	1.61%	1.48%	1.50%
1997	875,696	60,670		60,670	6.93%	6.93%	6.09%	4.77%	3.91%	3.35%	2.99%	2.67%	2.45%	2.28%
1998	1,517,478	127,900		127,900	8.43%	7.88%	8.01%	6.96%	5.92%	5.23%	4.68%	4.32%	4.00%	3.74%
1999	1,844,190	53,435		53,435	2.90%	5.39%	5.71%	6.26%	5.70%	5.09%	4.62%	4.25%	3.99%	3.76%
2000	2,353,706	8,590		8,590	0.36%	1.48%	3.32%	3.80%	4.46%	4.19%	3.85%	3.56%	3.33%	3.17%
2001	104			0	0.00%	0.36%	3.32%	3.80%	4.46%	4.19%	3.85%	3.56%	3.33%	3.17%
2002				0	NA	0.00%	0.36%	3.32%	3.80%	4.46%	4.19%	3.85%	3.56%	3.17%
2003				0	NA	0.00%	0.36%	3.32%	3.80%	4.46%	4.19%	3.85%	3.56%	3.17%
2004				0	NA	0.00%	0.36%	3.32%	3.80%	4.46%	4.19%	3.85%	3.56%	3.17%
2005	\$1,723,374.85			0	0.00%	0.00%	0.00%	0.00%	0.00%	0.21%	1.05%	2.55%	3.01%	3.65%
2006	\$10,653,104.84			0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.06%	0.37%	1.05%	1.32%
2007	\$1,201,950.29		260,415	(260,415)	-21.67%	-2.20%	-1.92%	-1.92%	-1.92%	-1.92%	-1.92%	-1.58%	-1.12%	-0.37%
2008	\$1,602,502.53			0	0.00%	-9.29%	-1.94%	-1.72%	-1.72%	-1.72%	-1.72%	-1.44%	-1.02%	-0.21%
2009	1,182,564 *			0	0.00%	0.00%	-6.53%	-1.78%	-1.59%	-1.59%	-1.59%	-1.59%	-1.35%	-1.35%
2010	1,622,257 *		352,882	(352,882)	-21.75%	-12.58%	-8.01%	-10.93%	-3.77%	-3.41%	-3.41%	-3.41%	-3.41%	-3.41%
2011	1,963,880 *			0	0.00%	-9.84%	-7.40%	-5.54%	-8.10%	-3.36%	-3.07%	-3.07%	-3.07%	-3.07%

\* Pro forma Ret

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Transaction Year	Transactional History Retirements	Salvage	Removal Cost	Net Salvage	Net Salv. %	2- yr Net Salv. %	3- yr Net Salv. %	4- yr Net Salv. %	5- yr Net Salv. %	6- yr Net Salv. %	7- yr Net Salv. %	8- yr Net Salv. %	9- yr Net Salv. %	10- yr Net Salv. %
2009	601,146	-	-	0	0.00%	0.00%								
2010	-	-	-	0	NA	0.00%	0.00%							
2011	-	-	-	0	NA	NA	0.00%	0.00%						

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Transaction Year	Transactional History		Removal Cost	Net		2-yr	3-yr	4-yr	5-yr	6-yr	7-yr	8-yr	9-yr	10-yr
	Retirements	Salvage		Salvage	Salv. %	Net Salv. %	Net Salv. %	Net Salv. %	Net Salv. %	Net Salv. %	Net Salv. %	Net Salv. %	Net Salv. %	Net Salv. %
1950	1,070	#	145	53	92	8.60%	8.60%							
1951	301	#	98	60	38	12.62%	9.48%							
1952	299	#	74	75	(1)	-0.33%	6.17%	7.72%						
1953	558	#	61	95	(34)	-6.09%	-4.08%	0.26%	4.26%					
1954	2,121	#	182	180	2	0.09%	-1.19%	-1.11%	0.15%	2.23%				
1955	6,116	#	1,638	169	1,469	24.02%	17.86%	16.34%	15.79%	15.69%	14.96%			
1956	13,364	#	61	234	(173)	-1.29%	6.65%	6.01%	5.70%	5.62%	5.72%	5.85%		
1957	843	#	60	201	(141)	-16.73%	-2.21%	5.68%	5.16%	4.88%	4.82%	4.91%	5.07%	
1958	2,713	#	80	544	(464)	-17.10%	-17.01%	-4.60%	3.00%	2.75%	2.56%	2.53%	2.64%	2.88%
1959	2,036	#	516	393	123	6.04%	-7.18%	-8.62%	-3.46%	3.25%	3.00%	2.82%	2.78%	2.89%
1960	11,596	#	2,540	507	2,033	17.53%	15.82%	10.35%	9.02%	4.51%	7.76%	7.34%	7.15%	7.10%
1961	9,620	#	1,085	1,341	(256)	-2.66%	8.38%	8.17%	5.53%	4.83%	2.79%	5.60%	5.23%	5.19%
1962	6,013	#	2,076	1,119	957	15.92%	4.48%	10.04%	9.76%	7.48%	6.86%	4.50%	6.78%	6.52%
1963	9,762	#	4,111	1,100	3,011	30.84%	25.15%	14.62%	15.53%	15.04%	12.95%	12.36%	9.10%	10.57%
1964	10,151	#	2,557	786	1,771	17.45%	24.01%	22.14%	15.43%	15.94%	15.53%	13.83%	13.34%	10.38%
1965	2,188	#	716	643	73	3.34%	14.94%	21.97%	20.67%	14.72%	15.38%	15.01%	13.40%	12.94%
1966	1,793	#	226	1,733	(1,507)	-84.05%	-36.02%	2.38%	14.01%	14.39%	10.24%	11.90%	11.67%	10.28%
1967	4,161	#	866	1,905	(1,039)	-24.97%	-42.76%	-30.37%	-3.84%	8.23%	9.59%	6.89%	9.12%	9.01%
1968	13,826	#	1,310	1,224	86	0.62%	-5.30%	-12.44%	-10.87%	-1.92%	5.72%	7.00%	5.38%	7.42%
1969	16,243	#	4,883	1,243	3,640	22.41%	12.39%	7.85%	3.28%	6.25%	10.38%	10.90%	10.38%	9.13%
1970	4,116	#	513	1,858	(1,345)	-32.68%	11.27%	6.97%	3.50%	-0.41%	-0.22%	3.20%	7.54%	8.27%
1971	4,454	#	943	2,728	(1,785)	-40.08%	-36.52%	2.06%	1.54%	-1.04%	-4.37%	-4.01%	-0.19%	4.36%
1972	18,791	#	2,242	1,452	790	4.20%	-4.28%	-8.55%	2.98%	2.41%	0.56%	-1.83%	-1.66%	0.90%
1973	812	#	635	2,638	(2,003)	-246.67%	-6.19%	-12.46%	-15.42%	-1.58%	-1.06%	-2.65%	-4.93%	-4.65%
1974	27	#	23	2,383	(2,360)	-8740.74%	-520.02%	-18.20%	-22.25%	-23.77%	-6.89%	-5.11%	-6.43%	-8.60%
1975	11,025	#	33	4,469	(4,436)	-40.24%	-61.49%	-74.17%	-26.13%	-27.90%	-28.40%	-13.52%	-10.70%	-11.51%
1976	4,020	#	1	1,563	(1,562)	-38.86%	-39.87%	-55.45%	-65.23%	-27.60%	-29.02%	-29.37%	-15.23%	-12.24%
1977	6,656	#	3,658	1,943	1,715	1.43%	25.77%	-19.74%	-30.57%	-38.36%	-19.01%	-21.06%	-11.11%	-9.08%
1978	224	#	106	2,460	(2,354)	-1050.89%	-9.29%	-20.19%	-30.27%	-40.98%	-48.32%	-24.57%	-26.07%	-26.61%
1979	626	#	284	1,941	(1,657)	-264.70%	-471.88%	-30.59%	-33.47%	-36.78%	-47.19%	-54.11%	-29.27%	-29.55%
1980	920	#	4,775	4,775	(4,775)	-519.02%	-416.04%	-496.38%	-83.92%	-69.36%	-56.68%	-65.66%	-71.71%	-38.61%
1981	10,487	#	1,138	11,295	(10,157)	-96.85%	-130.90%	-137.86%	-154.55%	-91.09%	-81.93%	-68.40%	-75.29%	-79.29%
1982	-	#	700	6,367	(5,667)	NA	-150.89%	-180.58%	-184.96%	-200.78%	-121.05%	-106.65%	-85.08%	-91.96%
1983	1	#	216	3,941	(3,725)	-372500.00%	-939200.00%	-186.39%	-213.22%	-215.90%	-231.16%	-140.74%	-122.88%	-96.05%
1984	(1)	#	31	5,927	(5,896)	589600.00%	NA	NA	-242.63%	-264.93%	-264.91%	-279.28%	-171.92%	-148.60%
1985	1	#	125	3,272	(3,147)	-314700.00%	NA	-1276800.00%	-1843500.00%	-272.62%	-292.49%	-291.04%	-304.93%	-188.55%
1986	-	#	287	8,247	(7,960)	NA	-1110700.00%	NA	-2072800.00%	-2639500.00%	-348.51%	-362.26%	-357.19%	-369.86%
1987	-	#	725	5,478	(4,753)	NA	NA	-1586000.00%	NA	-2548100.00%	-3114800.00%	-393.83%	-403.93%	-396.68%
1988	1	#	269	9,801	(9,532)	-953200.00%	-1428500.00%	-2224500.00%	-1269600.00%	-3128800.00%	-1750650.00%	-2034000.00%	-484.67%	-487.44%
1989	-	#	166	166	(166)	NA	-969800.00%	-1445100.00%	-2241100.00%	-1277900.00%	-3145400.00%	-1758950.00%	-2042300.00%	-486.25%
1990	1	#	442	14,537	(14,095)	-1409500.00%	-1426100.00%	-1189650.00%	-1427300.00%	-1825300.00%	-1321766.67%	-2277450.00%	-1642466.67%	-1831366.67%
1991	-	#	1	6,816	(6,815)	NA	-2091000.00%	-2107600.00%	-1530400.00%	-1768050.00%	-2166050.00%	-1548933.33%	-2618200.00%	-1869633.33%
1992	-	#	193	7,188	(6,995)	NA	NA	-2790500.00%	-2807100.00%	-1880150.00%	-2117800.00%	-2515800.00%	-1782100.00%	-2967950.00%
1993	185,044	#	-	-	0	0.00%	-3.78%	-7.46%	-15.08%	-15.17%	-20.32%	-22.89%	-27.19%	-28.89%
1994	133,048	#	-	-	0	0.00%	0.00%	-2.20%	-4.34%	-8.77%	-8.82%	-11.82%	-13.32%	-15.82%
1995	124,714	#	-	-	0	0.00%	0.00%	0.00%	-1.58%	-3.12%	-6.30%	-6.34%	-8.49%	-9.57%
1996	194,036	#	-	-	0	0.00%	0.00%	0.00%	0.00%	-1.10%	-2.17%	-4.38%	-4.41%	-5.90%
1997	243,744	#	-	-	0	0.00%	0.00%	0.00%	0.00%	0.00%	-0.79%	-1.57%	-3.17%	-4.27%
1998	560,791	#	-	-	0	0.00%	0.00%	0.00%	0.00%	0.00%	-0.49%	-0.96%	-1.94%	-1.95%
1999	-	#	(12,615)	-	(12,615)	NA	-2.25%	-1.57%	-1.26%	-1.12%	-1.00%	-0.88%	-1.36%	-2.81%
2000	788,842	#	-	-	0	0.00%	-1.60%	-0.93%	-0.79%	-0.71%	-0.66%	-0.62%	-0.57%	-0.88%
2001	-	#	-	-	0	NA	0.00%	-1.60%	-0.93%	-0.79%	-0.71%	-0.66%	-0.57%	-0.88%
2002	-	#	-	-	0	NA	0.00%	0.00%	-1.60%	-0.93%	-0.79%	-0.71%	-0.66%	-0.57%
2003	2,330	#	-	-	0	0.00%	0.00%	0.00%	0.00%	-1.59%	-0.93%	-0.79%	-0.66%	-0.57%
2004	-	#	-	-	0	NA	0.00%	0.00%	0.00%	0.00%	-1.59%	-0.93%	-0.79%	-0.66%
2005	-	#	-	-	0	NA	0.00%	0.00%	0.00%	0.00%	-1.59%	-0.93%	-0.79%	-0.66%
2006	-	#	-	-	0	NA	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	-1.59%	-0.93%
2007	603,813	#	-	-	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	-0.90%
2008	-	#	-	-	0	NA	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	-0.90%
2009	-	#	-	-	0	NA	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
2010	69	#	-	-	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
2011	12	#	2,849	(2,849)	(2,849)	-23965.10%	-3511.34%	-3511.34%	-3511.34%	-0.47%	-0.47%	-0.47%	-0.47%	-0.47%

Northern States Power Company - North Dakota: Transmission, Distribution & General Study

Gas Plant  
General Structures & Improvements  
Account 390  
1950-2011

Transaction Year	Transactional History Retirements	Salvage	Removal Cost	Net Salvage	Net Salv. %	2- yr Net Salv. %	3- yr Net Salv. %	4- yr Net Salv. %	5- yr Net Salv. %	6- yr Net Salv. %	7- yr Net Salv. %	8- yr Net Salv. %	9- yr Net Salv. %	10- yr Net Salv. %
1950	-	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1951	-	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1952	-	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1953	-	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1954	-	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1955	-	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1956	-	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1957	-	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1958	-	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1959	-	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1960	-	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1961	-	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1962	-	-	18	(18)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1963	-	-	57	(57)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1964	-	710	64	646	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1965	-	10,414	-	10,414	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1966	-	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1967	4,173	-	-	0	0.00%	0.00%	249.56%	265.04%	263.67%	263.24%	263.24%	263.24%	263.24%	263.24%
1968	-	-	-	0	NA	0.00%	0.00%	249.56%	265.04%	263.67%	263.24%	263.24%	263.24%	263.24%
1969	-	-	-	0	NA	0.00%	0.00%	249.56%	265.04%	263.67%	263.24%	263.24%	263.24%	263.24%
1970	206	30	7	23	11.17%	11.17%	11.17%	0.53%	0.53%	238.34%	253.09%	251.79%	251.38%	251.38%
1971	-	-	-	0	NA	11.17%	11.17%	11.17%	0.53%	0.53%	238.34%	253.09%	251.79%	251.38%
1972	-	-	-	0	NA	NA	11.17%	11.17%	11.17%	0.53%	0.53%	238.34%	253.09%	251.79%
1973	-	-	-	0	NA	NA	NA	11.17%	11.17%	11.17%	0.53%	0.53%	238.34%	253.09%
1974	-	-	-	0	NA	NA	NA	NA	11.17%	11.17%	0.53%	0.53%	238.34%	253.09%
1975	-	-	-	0	NA	NA	NA	NA	NA	11.17%	11.17%	0.53%	0.53%	238.34%
1976	-	-	-	0	NA	NA	NA	NA	NA	NA	11.17%	11.17%	0.53%	0.53%
1977	-	-	-	0	NA	NA	NA	NA	NA	NA	11.17%	11.17%	0.53%	0.53%
1978	6,719	-	-	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.33%	0.33%
1979	-	17	86,083	(86,066)	NA	-1280.93%	-1280.93%	-1280.93%	-1280.93%	-1280.93%	-1280.93%	-1280.93%	-1280.93%	-1242.50%
1980	-	-	-	0	NA	NA	-1280.93%	-1280.93%	-1280.93%	-1280.93%	-1280.93%	-1280.93%	-1280.93%	-1280.93%
1981	-	-	-	0	NA	NA	NA	-1280.93%	-1280.93%	-1280.93%	-1280.93%	-1280.93%	-1280.93%	-1280.93%
1982	-	-	-	0	NA	NA	NA	NA	-1280.93%	-1280.93%	-1280.93%	-1280.93%	-1280.93%	-1280.93%
1983	-	-	-	0	NA	NA	NA	NA	NA	-1280.93%	-1280.93%	-1280.93%	-1280.93%	-1280.93%
1984	-	-	-	0	NA	NA	NA	NA	NA	NA	-1280.93%	-1280.93%	-1280.93%	-1280.93%
1985	-	-	-	0	NA	NA	NA	NA	NA	NA	NA	-1280.93%	-1280.93%	-1280.93%
1986	-	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	-1280.93%	-1280.93%
1987	-	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	-1280.93%
1988	-	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1989	-	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1990	-	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1991	-	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1992	-	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1993	-	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1994	-	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1995	-	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1996	-	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1997	-	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1998	-	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1999	5,000	(12,615)	-	(12,615)	-252.30%	-252.30%	-252.30%	-252.30%	-252.30%	-252.30%	-252.30%	-252.30%	-252.30%	-252.30%
2000	-	-	-	0	NA	-252.30%	-252.30%	-252.30%	-252.30%	-252.30%	-252.30%	-252.30%	-252.30%	-252.30%
2001	-	-	-	0	NA	NA	-252.30%	-252.30%	-252.30%	-252.30%	-252.30%	-252.30%	-252.30%	-252.30%
2002	-	-	-	0	NA	NA	NA	-252.30%	-252.30%	-252.30%	-252.30%	-252.30%	-252.30%	-252.30%
2003	2,330	-	-	0	0.00%	0.00%	0.00%	0.00%	-172.11%	-172.11%	-172.11%	-172.11%	-172.11%	-172.11%
2004	-	-	-	0	NA	0.00%	0.00%	0.00%	0.00%	-172.11%	-172.11%	-172.11%	-172.11%	-172.11%
2005	-	-	-	0	NA	0.00%	0.00%	0.00%	0.00%	0.00%	-172.11%	-172.11%	-172.11%	-172.11%
2006	-	-	-	0	NA	NA	NA	0.00%	0.00%	0.00%	-172.11%	-172.11%	-172.11%	-172.11%
2007	0	-	-	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	-172.11%
2008	-	-	-	0	NA	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	-172.11%
2009	-	-	-	0	NA	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
2010	-	-	-	0	NA	NA	NA	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
2011	-	-	-	0	NA	NA	NA	NA	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%

Northern States Power Company - North Dakota: Transmission, Distribution & General Study

**Gas Plant**  
**General Office Furniture & Equipment**  
**Account 391**  
**2000-2011**

Transaction Year	Transactional History Retirements	Salvage	Removal Cost	Net Salvage	Net Salv. %	2- yr Net Salv. %	3- yr Net Salv. %	4- yr Net Salv. %	5- yr Net Salv. %	6- yr Net Salv. %	7- yr Net Salv. %	8- yr Net Salv. %	9- yr Net Salv. %	10- yr Net Salv. %
2000	-			0	NA									
2001	-			0	NA	NA								
2002	-			0	NA	NA	NA							
2003	-			0	NA	NA	NA	NA						
2004	-			0	NA	NA	NA	NA	NA					
2005	-			0	NA	NA	NA	NA	NA	NA				
2006	314			0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%			
2007	1,354			0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		
2008	-			0	NA	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
2009	-			0	NA	NA	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
2010	-	-	-	0	NA	NA	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
2011	107,074	-	-	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%

**Xcel Energy Gas Plant**  
**General Network Equipment**  
**Account 391**  
**2000-2011**

Transaction Year	Transactional History Retirements	Salvage	Removal Cost	Net Salvage	Net Salv. %	2- yr Net Salv. %	3- yr Net Salv. %	4- yr Net Salv. %	5- yr Net Salv. %	6- yr Net Salv. %	7- yr Net Salv. %	8- yr Net Salv. %	9- yr Net Salv. %	10- yr Net Salv. %
2000	-			0	NA									
2001	-			0	NA	NA								
2002	211,126			0	0.00%	0.00%	0.00%							
2003	891,533			0	0.00%	0.00%	0.00%	0.00%						
2004	1,195,553			0	0.00%	0.00%	0.00%	0.00%	0.00%					
2005	20,385			0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%				
2006	-			0	NA	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%			
2007	1,934			0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		
2008	-			0	NA	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
2009	28,745			0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
2010	-	-	-	0	NA	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
2011	-	-	-	0	NA	NA	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%

Northern States Power Company - North Dakota: Transmission, Distribution & General Study

Gas Plant  
General Transportation Equipment - Automobiles  
Account 392  
2000-2011

Transaction Year	Transactional History Retirements	Salvage	Removal Cost	Net Salvage	Net Salv. %	2- yr Net Salv. %	3- yr Net Salv. %	4- yr Net Salv. %	5- yr Net Salv. %	6- yr Net Salv. %	7- yr Net Salv. %	8- yr Net Salv. %	9- yr Net Salv. %	10- yr Net Salv. %
2000	-			0	NA									
2001	-			0	NA	NA								
2002	-			0	NA	NA	NA							
2003	-			0	NA	NA	NA	NA						
2004	-			0	NA	NA	NA	NA	NA					
2005	-			0	NA	NA	NA	NA	NA	NA				
2006	-			0	NA	NA	NA	NA	NA	NA	NA			
2007	-			0	NA	NA	NA	NA	NA	NA	NA	NA		
2008	-			0	NA	NA	NA	NA	NA	NA	NA	NA	NA	
2009	-			0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2010	-	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2011	-	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Gas Plant  
General Transportation Equipment - Light Trucks  
Account 392  
2000-2011

Transaction Year	Transactional History Retirements	Salvage	Removal Cost	Net Salvage	Net Salv. %	2- yr Net Salv. %	3- yr Net Salv. %	4- yr Net Salv. %	5- yr Net Salv. %	6- yr Net Salv. %	7- yr Net Salv. %	8- yr Net Salv. %	9- yr Net Salv. %	10- yr Net Salv. %
2000	-			0	NA									
2001	-			0	NA	NA								
2002	-			0	NA	NA	NA							
2003	-			0	NA	NA	NA	NA						
2004	95214.23			0	0.00%	0.00%	0.00%	0.00%	0.00%					
2005	11236.34			0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%				
2006	-			0	NA	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%			
2007	-			0	NA	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		
2008	-			0	NA	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
2009	-			0	NA	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
2010	-	-	-	0	NA	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
2011	-	-	(5,720)	5,720	NA	NA	NA	NA	NA	NA	50.91%	5.37%	5.37%	5.37%

Gas Plant  
General Transportation Equipment - Trailers  
Account 392  
2000-2011

Transaction Year	Transactional History Retirements	Salvage	Removal Cost	Net Salvage	Net Salv. %	2- yr Net Salv. %	3- yr Net Salv. %	4- yr Net Salv. %	5- yr Net Salv. %	6- yr Net Salv. %	7- yr Net Salv. %	8- yr Net Salv. %	9- yr Net Salv. %	10- yr Net Salv. %
2000	-			0	NA									
2001	-			0	NA	NA								
2002	-			0	NA	NA	NA							
2003	-			0	NA	NA	NA	NA						
2004	192,824			0	0.00%	0.00%	0.00%	0.00%	0.00%					
2005	-			0	NA	0.00%	0.00%	0.00%	0.00%	0.00%				
2006	-			0	NA	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%			
2007	-			0	NA	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		
2008	-			0	NA	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
2009	-			0	NA	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
2010	-	-	-	0	NA	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
2011	-	-	-	0	NA	NA	NA	NA	NA	NA	NA	0.00%	0.00%	0.00%

Northern States Power Company - North Dakota: Transmission, Distribution & General Study

Gas Plant  
 General Transportation Equip - Heavy Trucks  
 Account 392  
 2000-2011

Transaction Year	Transactional History Retirements	Salvage	Removal Cost	Net Salvage	Net Salv. %	2- yr Net Salv. %	3- yr Net Salv. %	4- yr Net Salv. %	5- yr Net Salv. %	6- yr Net Salv. %	7- yr Net Salv. %	8- yr Net Salv. %	9- yr Net Salv. %	10- yr Net Salv. %
2000	-			0	NA									
2001	-			0	NA	NA								
2002	-			0	NA	NA	NA							
2003	-			0	NA	NA	NA	NA						
2004	1,102,569			0	0.00%	0.00%	0.00%	0.00%	0.00%					
2005	-			0	NA	0.00%	0.00%	0.00%	0.00%	0.00%				
2006	-			0	NA	NA	0.00%	0.00%	0.00%	0.00%	0.00%			
2007	-			0	NA	NA	NA	0.00%	0.00%	0.00%	0.00%	0.00%		
2008	-			0	NA	NA	NA	NA	0.00%	0.00%	0.00%	0.00%	0.00%	
2009	-			0	NA	NA	NA	NA	NA	0.00%	0.00%	0.00%	0.00%	0.00%
2010	-	-	-	0	NA	NA	NA	NA	NA	NA	0.00%	0.00%	0.00%	0.00%
2011	-	-	-	0	NA	NA	NA	NA	NA	NA	NA	0.00%	0.00%	0.00%

Northern States Power Company - North Dakota: Transmission, Distribution & General Study

Gas Plant  
General Stores Equipment  
Account 393  
2000-2011

Transaction Year	Transactional History Retirements	Salvage	Removal Cost	Net Salvage	Net Salv. %	2- yr Net Salv. %	3- yr Net Salv. %	4- yr Net Salv. %	5- yr Net Salv. %	6- yr Net Salv. %	7- yr Net Salv. %	8- yr Net Salv. %	9- yr Net Salv. %	10- yr Net Salv. %
2000	-			0	NA									
2001	-			0	NA	NA								
2002	-			0	NA	NA	NA							
2003	-			0	NA	NA	NA	NA						
2004	-			0	NA	NA	NA	NA	NA					
2005	-			0	NA	NA	NA	NA	NA	NA				
2006	-			0	NA	NA	NA	NA	NA	NA	NA			
2007	-			0	NA	NA	NA	NA	NA	NA	NA	NA		
2008	-			0	NA	NA	NA	NA	NA	NA	NA	NA	NA	
2009	-			0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2010	-	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2011	-	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Gas Plant  
General Tools, Shop & Garage Equipment  
Account 394  
2000-2011

Transaction Year	Transactional History Retirements	Salvage	Removal Cost	Net Salvage	Net Salv. %	2- yr Net Salv. %	3- yr Net Salv. %	4- yr Net Salv. %	5- yr Net Salv. %	6- yr Net Salv. %	7- yr Net Salv. %	8- yr Net Salv. %	9- yr Net Salv. %	10- yr Net Salv. %
2000	-			0	NA									
2001	-			0	NA	NA								
2002	59,775			0	0.00%	0.00%	0.00%	0.00%						
2003	149,102			0	0.00%	0.00%	0.00%	0.00%						
2004	652,196			0	0.00%	0.00%	0.00%	0.00%	0.00%					
2005	395,221			0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%				
2006	316,359			0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%			
2007	525,912			0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		
2008	-			0	NA	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
2009	1,270,951			0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
2010	-	-	-	0	NA	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
2011	413,970	-	-	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%

Gas Plant  
General Laboratory Equipment  
Account 395  
2000-2011

Transaction Year	Transactional History Retirements	Salvage	Removal Cost	Net Salvage	Net Salv. %	2- yr Net Salv. %	3- yr Net Salv. %	4- yr Net Salv. %	5- yr Net Salv. %	6- yr Net Salv. %	7- yr Net Salv. %	8- yr Net Salv. %	9- yr Net Salv. %	10- yr Net Salv. %
2000	-			0	NA									
2001	-			0	NA	NA								
2002	-			0	NA	NA	NA							
2003	-			0	NA	NA	NA	NA						
2004	-			0	NA	NA	NA	NA	NA					
2005	11,898			0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%				
2006	310			0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%			
2007	33,318			0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		
2008	-			0	NA	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
2009	7,380			0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
2010	-	-	#	0	NA	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
2011	2,517	-	-	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%

Northern States Power Company - North Dakota: Transmission, Distribution & General Study

Gas Plant  
 General Power Operated Equipment  
 Account 396  
 2000-2011

Transaction Year	Transactional History Retirements	Salvage	Removal Cost	Net Salvage	Net Salv. %	2- yr Net Salv. %	3- yr Net Salv. %	4- yr Net Salv. %	5- yr Net Salv. %	6- yr Net Salv. %	7- yr Net Salv. %	8- yr Net Salv. %	9- yr Net Salv. %	10- yr Net Salv. %
2000	-			0	NA									
2001	-			0	NA									
2002	-			0	NA									
2003	-			0	NA									
2004	-			0	NA									
2005	-			0	NA									
2006	-			0	NA									
2007	66,375			0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
2008	-			0	NA	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
2009	-			0	NA	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
2010	-	-	-	0	NA	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
2011	82,379	-	-	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%

Northern States Power Company - North Dakota: Transmission, Distribution & General Study

Gas Plant  
General Communication Equipment  
Account 397  
2000-2011

Transaction Year	Transactional History Retirements	Salvage	Removal Cost	Net Salvage	Net Salv. %	2- yr Net Salv. %	3- yr Net Salv. %	4- yr Net Salv. %	5- yr Net Salv. %	6- yr Net Salv. %	7- yr Net Salv. %	8- yr Net Salv. %	9- yr Net Salv. %	10- yr Net Salv. %
2000	-			0	NA									
2001	-			0	NA									
2002	-			0	NA									
2003	8,730			0	0.00%	0.00%	0.00%	0.00%						
2004	1,846,637			0	0.00%	0.00%	0.00%	0.00%	0.00%					
2005	87,979			0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%				
2006	-			0	NA	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%			
2007	125,517			0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		
2008	-			0	NA	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
2009	179,437			0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
2010	-	-	-	0	NA	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
2011	11,640	-	21,350	(21,350)	-183.42%	-183.42%	-11.17%	-11.17%	-6.74%	-6.74%	-5.28%	-0.95%	-0.94%	-0.94%

Gas Plant  
General Communication Equipment - AES  
Account 397  
2000-2011

Transaction Year	Transactional History Retirements	Salvage	Removal Cost	Net Salvage	Net Salv. %	2- yr Net Salv. %	3- yr Net Salv. %	4- yr Net Salv. %	5- yr Net Salv. %	6- yr Net Salv. %	7- yr Net Salv. %	8- yr Net Salv. %	9- yr Net Salv. %	10- yr Net Salv. %
2000	-			0	NA									
2001	-			0	NA									
2002	-			0	NA									
2003	-			0	NA									
2004	3,294			0	0.00%	0.00%	0.00%	0.00%	0.00%					
2005	-			0	NA	0.00%	0.00%	0.00%	0.00%	0.00%				
2006	26,179			0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%			
2007	45,532			0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		
2008	-			0	NA	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
2009	5,338			0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
2010	-	-	-	0	NA	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
2011	2,147	-	71	(71)	-3.30%	-3.30%	-0.95%	-0.95%	-0.13%	-0.09%	-0.09%	-0.09%	-0.09%	-0.09%

Gas Plant  
General Miscellaneous Equipment  
Account 398  
2000-2011

Transaction Year	Transactional History Retirements	Salvage	Removal Cost	Net Salvage	Net Salv. %	2- yr Net Salv. %	3- yr Net Salv. %	4- yr Net Salv. %	5- yr Net Salv. %	6- yr Net Salv. %	7- yr Net Salv. %	8- yr Net Salv. %	9- yr Net Salv. %	10- yr Net Salv. %
2000	-			0	NA									
2001	-			0	NA									
2002	33,743			0	0.00%	0.00%	0.00%							
2003	-			0	NA	0.00%	0.00%	0.00%						
2004	-			0	NA	0.00%	0.00%	0.00%	0.00%					
2005	10,161			0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%				
2006	500			0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%			
2007	-			0	NA	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		
2008	-			0	NA	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
2009	5,493			0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
2010	-	-	-	0	NA	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
2011	-	-	-	0	NA	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%

Northern States Power Company - North Dakota: Transmission, Distribution & General Study

Common Plant  
General Structures & Improvements  
Account 390  
1950-2011

Transaction Year	Transactional History Retirements	Salvage	Removal Cost	Net Salvage	Net Salv. %	2- yr Net Salv. %	3- yr Net Salv. %	4- yr Net Salv. %	5- yr Net Salv. %	6- yr Net Salv. %	7- yr Net Salv. %	8- yr Net Salv. %	9- yr Net Salv. %	10- yr Net Salv. %
1950	-	166	515	(349)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1951	-	5,275	315	4,960	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1952	-	3,244	8,829	(5,585)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1953	-	72	1,538	(1,466)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1954	3,838	291	330	(39)	-1.02%	-39.21%	-184.73%	-55.50%	-64.59%	-64.59%	-11.51%	-12.46%	-12.46%	-12.46%
1955	18,486	761	852	(91)	-0.49%	-0.58%	-7.15%	-32.17%	-9.95%	-11.51%	-11.51%	-12.46%	-12.46%	-12.46%
1956	4,839	21	836	(815)	-16.84%	-3.88%	-3.48%	-29.44%	-8.88%	-29.44%	-11.18%	-12.46%	-12.46%	-12.46%
1957	13,482	105	4,087	(3,982)	-29.54%	-26.18%	-13.28%	-12.12%	-15.73%	-29.47%	-17.27%	-18.13%	-18.13%	-18.13%
1958	2,714	18	376	(358)	-13.19%	-26.80%	-24.51%	-13.27%	-12.19%	-15.57%	-28.45%	-17.01%	-17.01%	-17.01%
1959	8,307	193	3,195	(3,002)	-36.14%	-30.49%	-29.96%	-27.80%	-17.25%	-16.04%	-18.88%	-29.69%	-20.09%	-20.76%
1960	15,779	1,622	2,834	(1,212)	-7.68%	-17.50%	-17.06%	-21.24%	-20.76%	-14.87%	-14.08%	-16.26%	-24.54%	-17.18%
1961	2,083	196	209	(13)	-0.62%	-6.86%	-16.15%	-15.87%	-20.22%	-19.88%	-14.42%	-13.68%	-15.79%	-23.82%
1962	25,737	10,289	823	9,466	36.78%	33.98%	18.90%	10.09%	8.94%	1.32%	0.12%	-0.01%	-0.05%	-1.59%
1963	140,146	10,264	18,238	(7,974)	-5.69%	0.90%	0.88%	0.15%	-1.42%	-1.59%	-3.40%	-3.70%	-3.45%	-3.41%
1964	107,205	10,087	5,345	4,742	4.42%	-1.31%	2.28%	2.26%	1.72%	0.67%	0.55%	-0.74%	-0.98%	-0.96%
1965	15,077	1,474	6,394	(4,920)	-32.63%	-0.15%	-3.11%	0.46%	0.45%	0.03%	-0.93%	-1.03%	-2.19%	-2.41%
1966	4,044	453	2,917	(2,464)	-60.93%	-38.62%	-2.09%	-3.98%	-0.39%	-0.40%	-0.77%	-1.69%	-1.79%	-2.90%
1967	58,592	7	17,205	(17,198)	-29.35%	-31.39%	-31.63%	-10.73%	-8.56%	-5.23%	-5.20%	-5.31%	-5.99%	-6.04%
1968	19,259	-	3,244	(3,244)	-16.84%	-26.26%	-27.97%	-28.69%	-11.31%	-9.02%	-5.83%	-5.81%	-5.88%	-6.52%
1969	8,601	-	2,733	(2,733)	-31.78%	-21.45%	-26.81%	-28.33%	-28.95%	-12.13%	-9.57%	-6.42%	-6.39%	-6.44%
1970	86,893	43,219	6,651	36,568	42.08%	35.43%	26.66%	7.73%	6.16%	3.12%	3.59%	0.63%	2.63%	2.62%
1971	13,763	-	526	(526)	-3.82%	35.81%	30.49%	23.39%	6.88%	5.44%	2.66%	3.26%	0.50%	2.44%
1972	4,132	-	8	(8)	-0.19%	-2.98%	34.39%	29.37%	22.66%	6.72%	5.32%	2.60%	3.22%	0.49%
1973	872,996	44,839	10,842	33,997	3.89%	3.88%	3.76%	7.16%	6.82%	6.37%	4.40%	4.16%	3.64%	3.71%
1974	1,570,779	1,466,498	5,135	1,461,363	93.03%	61.19%	61.09%	60.72%	60.09%	59.78%	59.21%	57.24%	57.06%	56.55%
1975	25,890	(350)	5,527	(5,877)	-22.70%	91.16%	60.31%	60.21%	59.86%	59.26%	58.95%	58.39%	56.46%	56.28%
1976	356,901	150,442	133	150,309	42.12%	37.73%	82.20%	58.01%	57.93%	57.63%	57.17%	56.91%	56.43%	54.76%
1977	78,590	50	5,195	(5,145)	-6.55%	33.33%	30.19%	78.77%	56.27%	56.19%	55.90%	55.51%	55.26%	54.80%
1978	355,035	126	16,659	(16,533)	-4.66%	-5.00%	16.27%	15.04%	66.36%	49.63%	49.57%	49.35%	49.16%	48.95%
1979	340,526	46,788	37,531	9,257	2.72%	-1.05%	-1.60%	12.19%	11.41%	58.41%	45.20%	45.14%	44.96%	44.89%
1980	50,444	3	20,342	(20,339)	-40.32%	-2.83%	-3.70%	-9.95%	9.25%	56.62%	44.01%	43.96%	43.79%	43.79%
1981	122,795	200	37,620	(37,420)	-30.47%	-33.34%	-9.44%	-7.49%	-7.41%	6.14%	5.58%	52.93%	41.59%	41.54%
1982	128,351	436	61,662	(61,226)	-47.70%	-39.28%	-39.45%	-17.09%	-12.66%	-12.22%	1.32%	0.89%	48.67%	38.65%
1983	75,412	-	14,787	(14,787)	-19.61%	-37.30%	-34.74%	-35.48%	-17.35%	-13.15%	-12.70%	0.27%	-0.11%	47.01%
1984	100,074	1,614	46,579	(44,965)	-44.93%	-34.05%	-39.82%	-37.13%	-37.47%	-20.73%	-15.86%	-15.28%	-2.54%	-2.86%
1985	159,597	9,586	24,376	(14,790)	-9.27%	-23.01%	-22.25%	-29.30%	-29.54%	-30.40%	-18.86%	-15.07%	-14.60%	-3.15%
1986	120,758	981	22,345	(21,364)	-17.69%	-12.90%	-21.32%	-21.04%	-26.90%	-27.52%	-28.37%	-18.73%	-15.29%	-14.84%
1987	532,596	15,455	81,237	(65,782)	-12.35%	-13.34%	-12.54%	-16.09%	-16.36%	-19.96%	-21.00%	-21.76%	-16.65%	-14.50%
1988	234,014	900	73,665	(72,765)	-31.09%	-18.07%	-18.02%	-16.69%	-19.15%	-19.18%	-21.89%	-22.60%	-23.19%	-18.46%
1989	98,844	6,687	51,125	(44,438)	-44.96%	-35.21%	-21.14%	-20.72%	-19.13%	-21.20%	-21.11%	-23.46%	-24.01%	-24.52%
1990	74,391	596	47,660	(47,064)	-63.27%	-52.82%	-40.34%	-24.48%	-23.70%	-21.82%	-23.57%	-23.35%	-25.40%	-25.78%
1991	379,278	-	-	0	0.00%	-10.37%	-16.56%	-20.89%	-17.44%	-17.46%	-16.64%	-18.31%	-18.36%	-20.34%
1992	-	-	-	0	NA	0.00%	-16.56%	-20.89%	-17.44%	-17.44%	-16.64%	-18.31%	-18.36%	-18.36%
1993	137,308	-	295	(295)	-0.21%	-0.21%	-0.06%	-8.01%	-13.31%	-17.81%	-15.82%	-15.96%	-15.34%	-16.96%
1994	710,934	15	68,084	(68,069)	-9.57%	-8.06%	-8.06%	-5.57%	-8.87%	-11.41%	-14.23%	-13.77%	-13.98%	-13.67%
1995	203,334	-	11,005	(11,005)	-5.41%	-8.65%	-7.55%	-7.55%	-5.55%	-8.40%	-10.65%	-13.25%	-13.05%	-13.28%
1996	-	3,300	18,782	(15,482)	NA	-13.03%	-10.34%	-9.02%	-6.63%	-9.43%	-11.62%	-14.10%	-13.70%	-13.70%
1997	734,589	(24,000)	770	(24,770)	-3.37%	-5.48%	-5.46%	-7.24%	-6.70%	-6.70%	-5.52%	-7.44%	-9.03%	-11.03%
1998	498,647	(57,058)	56,657	(113,715)	-22.80%	-11.23%	-12.48%	-11.48%	-10.85%	-10.21%	-10.21%	-8.76%	-10.24%	-11.45%
1999	262,683	(104,367)	56,672	(161,039)	-61.31%	-36.09%	-20.02%	-21.06%	-19.19%	-16.35%	-15.48%	-15.48%	-13.47%	-14.71%
2000	-	-	11,128	NA	-65.54%	-37.55%	-20.77%	-21.80%	-19.84%	-19.84%	-16.81%	-15.92%	-15.92%	-13.85%
2001	11,177	-	2,928	(2,928)	-26.20%	-125.76%	-63.94%	-37.39%	-20.81%	-21.83%	-19.88%	-16.86%	-15.96%	-15.96%
2002	84,542	-	0	0	0.00%	-14.68%	-48.85%	-33.70%	-33.70%	-19.70%	-20.67%	-18.95%	-16.29%	-15.45%
2003	-	-	0	0	NA	0.00%	-3.06%	-14.68%	-48.85%	-33.70%	-19.70%	-20.67%	-18.95%	-16.29%
2004	-	-	0	0	NA	0.00%	-3.06%	-14.68%	-48.85%	-33.70%	-19.70%	-20.67%	-18.95%	-16.29%
2005	2,234,380	1,170,215	30,562	1,139,653	51.01%	51.01%	51.01%	49.15%	48.78%	48.31%	37.20%	27.52%	21.59%	21.19%
2006	623,658	200,611	391,986	(191,376)	-30.69%	33.18%	33.18%	32.23%	32.00%	31.63%	32.04%	24.04%	17.75%	14.26%
2007	2,085,723	-	1,689,125	(1,689,125)	-80.99%	-69.41%	-14.99%	-14.99%	-14.99%	-14.73%	-14.76%	-14.98%	-17.27%	-17.75%
2008	1,493,463	-	1,988,153	(1,988,153)	-133.12%	-102.74%	-92.05%	-42.39%	-42.39%	-42.39%	-41.84%	-41.82%	-41.99%	-42.73%
2009	34,948	-	0	0	0.00%	-130.08%	-101.75%	-91.29%	-42.17%	-42.17%	-42.17%	-41.62%	-41.60%	-41.76%
2010	-	-	0	0	NA	0.00%	-130.08%	-101.75%	-91.29%	-42.17%	-42.17%	-41.62%	-41.60%	-41.76%
2011	-	(10,312)	1,041,313	(1,051,625)	NA	NA	-3009.11%	-198.88%	-130.84%	-116.10%	-58.41%	-58.41%	-58.41%	-57.66%

Northern States Power Company - North Dakota: Transmission, Distribution & General Study

Common Plant  
General Office Furniture & Equipment  
Account 391  
2000-2011

Transaction Year	Transactional History Retirements	Salvage	Removal Cost	Net Salvage	Net Salv. %	2- yr Net Salv. %	3- yr Net Salv. %	4- yr Net Salv. %	5- yr Net Salv. %	6- yr Net Salv. %	7- yr Net Salv. %	8- yr Net Salv. %	9- yr Net Salv. %	10- yr Net Salv. %
2000	-	-	-	0	NA									
2001	-	-	-	0	NA									
2002	11,807	-	-	0	0.00%	0.00%	0.00%							
2003	784,169	-	-	0	0.00%	0.00%	0.00%	0.00%						
2004	685,962	7,700	-	7,700	1.12%	0.52%	0.52%	0.52%	0.52%					
2005	-	12,781	-	12,781	NA	2.99%	1.39%	1.38%	1.38%	1.38%				
2006	-	2,150	1,797	353	NA	NA	3.04%	1.42%	1.41%	1.41%	1.41%			
2007	1,086,869	180	10,001	(9,821)	-0.90%	-0.87%	0.30%	0.62%	0.43%	0.43%		0.43%		
2008	989,344	(351,919)	-	(351,919)	-35.57%	-17.42%	-17.41%	-16.79%	-12.34%	-9.61%	-9.58%	-9.58%	-9.58%	
2009	59,885	-	8,869	(8,869)	-14.81%	-34.39%	-17.35%	-17.33%	-16.73%	-12.39%	-9.70%	-9.67%	-9.67%	-9.67%
2010	-	-	-	0	NA	-14.81%	-34.39%	-17.35%	-17.33%	-16.73%	-12.39%	-9.70%	-9.67%	-9.67%
2011	859,438	-	48,000	(48,000)	-5.59%	-5.59%	-6.19%	-21.42%	-13.97%	-13.96%	-13.54%	-10.80%	-8.91%	-8.88%

Common  
General Network Equipment  
Account 391  
2000-2011

Transaction Year	Transactional History Retirements	Salvage	Removal Cost	Net Salvage	Net Salv. %	2- yr Net Salv. %	3- yr Net Salv. %	4- yr Net Salv. %	5- yr Net Salv. %	6- yr Net Salv. %	7- yr Net Salv. %	8- yr Net Salv. %	9- yr Net Salv. %	10- yr Net Salv. %
2000	-	-	-	0	NA									
2001	-	-	-	0	NA									
2002	852,835	-	-	0	0.00%	0.00%	0.00%							
2003	32,731,604	-	-	0	0.00%	0.00%	0.00%	0.00%						
2004	35,907,145	-	-	0	0.00%	0.00%	0.00%	0.00%	0.00%					
2005	3,379,968	-	-	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%				
2006	726,936	-	335	(335)	-0.05%	-0.01%	0.00%	0.00%	0.00%	0.00%	0.00%			
2007	5,880,457	-	-	0	0.00%	-0.01%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		
2008	10,701,667	-	-	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
2009	(787,840)	327,097	478,143	(151,046)	19.17%	-1.52%	-0.96%	-0.92%	-0.76%	-0.27%	-0.17%	-0.17%	-0.17%	-0.17%
2010	-	-	-	0	NA	19.17%	-1.52%	-0.96%	-0.92%	-0.76%	-0.27%	-0.17%	-0.17%	-0.17%
2011	19,747,779	33,319	17,090	16,229	0.08%	0.08%	-0.71%	-0.45%	-0.38%	-0.37%	-0.34%	-0.18%	-0.12%	-0.12%

Northern States Power Company - North Dakota: Transmission, Distribution & General Study

Common Plant  
 General Transportation Equipment - Automobiles  
 Account 392  
 2000-2011

Transaction Year	Transactional History Retirements	Salvage	Removal Cost	Net Salvage	Net Salv. %	2- yr Net Salv. %	3- yr Net Salv. %	4- yr Net Salv. %	5- yr Net Salv. %	6- yr Net Salv. %	7- yr Net Salv. %	8- yr Net Salv. %	9- yr Net Salv. %	10- yr Net Salv. %
2000	-	-	-	0	NA									
2001	-	-	-	0	NA	NA								
2002	-	-	-	0	NA	NA	NA							
2003	-	-	-	0	NA	NA	NA	NA						
2004	-	75,586	-	75,586	NA	NA	NA	NA	NA					
2005	-	-	-	0	NA	NA	NA	NA	NA	NA				
2006	-	-	-	0	NA	NA	NA	NA	NA	NA	NA			
2007	-	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA		
2008	-	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	
2009	-	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2010	-	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2011	-	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Common Plant  
 General Transportation Equipment - Light Trucks  
 Account 392  
 2000-2011

Transaction Year	Transactional History Retirements	Salvage	Removal Cost	Net Salvage	Net Salv. %	2- yr Net Salv. %	3- yr Net Salv. %	4- yr Net Salv. %	5- yr Net Salv. %	6- yr Net Salv. %	7- yr Net Salv. %	8- yr Net Salv. %	9- yr Net Salv. %	10- yr Net Salv. %
2000	-	-	-	0	NA									
2001	-	-	-	0	NA	NA								
2002	-	-	-	0	NA	NA	NA							
2003	-	-	-	0	NA	NA	NA	NA						
2004	108,012	2,441	-	2,441	2.26%	2.26%	2.26%	2.26%	2.26%					
2005	-	43,830	-	43,830	NA	42.84%	42.84%	42.84%	42.84%	42.84%				
2006	-	5,087	91	4,996	NA	NA	47.46%	47.46%	47.46%	47.46%	47.46%			
2007	-	3,737	-	3,737	NA	NA	NA	50.92%	50.92%	50.92%	50.92%	50.92%		
2008	-	-	4,275	(4,275)	NA	NA	NA	NA	46.97%	46.97%	46.97%	46.97%	46.97%	
2009	-	-	-	0	NA	NA	NA	NA	NA	46.97%	46.97%	46.97%	46.97%	46.97%
2010	-	-	-	0	NA	NA	NA	NA	NA	NA	46.97%	46.97%	46.97%	46.97%
2011	-	-	-	0	NA	NA	NA	NA	NA	NA	NA	46.97%	46.97%	46.97%

Northern States Power Company - North Dakota: Transmission, Distribution & General Study

Common Plant  
 General Transportation Equipment - Trailers  
 Account 392  
 2000-2011

Transaction Year	Transactional History Retirements	Salvage	Removal Cost	Net Salvage	Net Salv. %	2- yr Net Salv. %	3- yr Net Salv. %	4- yr Net Salv. %	5- yr Net Salv. %	6- yr Net Salv. %	7- yr Net Salv. %	8- yr Net Salv. %	9- yr Net Salv. %	10- yr Net Salv. %
2000	-	-	-	0	NA									
2001	-	-	-	0	NA	NA								
2002	-	-	-	0	NA	NA	NA							
2003	-	-	-	0	NA	NA	NA	NA						
2004	-	-	-	0	NA	NA	NA	NA	NA					
2005	-	-	-	0	NA	NA	NA	NA	NA	NA				
2006	-	-	-	0	NA	NA	NA	NA	NA	NA	NA			
2007	-	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA		
2008	-	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	
2009	-	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2010	-	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2011	-	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Common Plant  
 General Transportation Equipment - Heavy Trucks  
 Account 392  
 2000-2011

Transaction Year	Transactional History Retirements	Salvage	Removal Cost	Net Salvage	Net Salv. %	2- yr Net Salv. %	3- yr Net Salv. %	4- yr Net Salv. %	5- yr Net Salv. %	6- yr Net Salv. %	7- yr Net Salv. %	8- yr Net Salv. %	9- yr Net Salv. %	10- yr Net Salv. %
2000	-	-	-	0	NA									
2001	-	-	-	0	NA	NA								
2002	-	-	-	0	NA	NA	NA							
2003	-	-	-	0	NA	NA	NA	NA						
2004	35,125	50,391	-	50,391	143.46%	143.46%	143.46%	143.46%	143.46%					
2005	-	-	-	0	NA	143.46%	143.46%	143.46%	143.46%	143.46%				
2006	-	-	-	0	NA	NA	143.46%	143.46%	143.46%	143.46%	143.46%			
2007	-	-	-	0	NA	NA	NA	143.46%	143.46%	143.46%	143.46%	143.46%		
2008	-	-	-	0	NA	NA	NA	NA	143.46%	143.46%	143.46%	143.46%	143.46%	
2009	-	-	-	0	NA	NA	NA	NA	NA	143.46%	143.46%	143.46%	143.46%	143.46%
2010	-	-	-	0	NA	NA	NA	NA	NA	NA	143.46%	143.46%	143.46%	143.46%
2011	-	-	-	0	NA	NA	NA	NA	NA	NA	NA	143.46%	143.46%	143.46%

Northern States Power Company - North Dakota: Transmission, Distribution & General Study

Common Plant  
General Stores Equipment  
Account 393  
2000-2011

Transaction Year	Transactional History Retirements	Salvage	Removal Cost	Net Salvage	Net Salv. %	2- yr Net Salv. %	3- yr Net Salv. %	4- yr Net Salv. %	5- yr Net Salv. %	6- yr Net Salv. %	7- yr Net Salv. %	8- yr Net Salv. %	9- yr Net Salv. %	10- yr Net Salv. %
2000	-	-	-	0	NA									
2001	-	-	-	0	NA									
2002	-	-	-	0	NA									
2003	125,531	-	-	0	0.00%	0.00%	0.00%	0.00%						
2004	51,469	-	-	0	0.00%	0.00%	0.00%	0.00%	0.00%					
2005	69,759	-	-	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%				
2006	165,198	-	-	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%			
2007	113,152	-	-	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		
2008	-	-	-	0	NA	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
2009	-	-	-	0	NA	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
2010	-	-	-	0	NA	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
2011	351,877	-	-	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%

Common Plant  
General Tools, Shop & Garage Equipment  
Account 394  
2000-2011

Transaction Year	Transactional History Retirements	Salvage	Removal Cost	Net Salvage	Net Salv. %	2- yr Net Salv. %	3- yr Net Salv. %	4- yr Net Salv. %	5- yr Net Salv. %	6- yr Net Salv. %	7- yr Net Salv. %	8- yr Net Salv. %	9- yr Net Salv. %	10- yr Net Salv. %
2000	-	-	-	0	NA									
2001	-	-	-	0	NA									
2002	271,426	-	-	0	0.00%	0.00%	0.00%							
2003	126,619	-	-	0	0.00%	0.00%	0.00%	0.00%						
2004	236,890	5,379	-	5,379	2.27%	1.48%	0.85%	0.85%	0.85%					
2005	568,743	-	-	0	0.00%	0.67%	0.58%	0.45%	0.45%	0.45%				
2006	139,917	12,259	2,642	9,618	6.87%	1.36%	1.59%	1.40%	1.12%	1.12%	1.12%			
2007	368,342	-	-	0	0.00%	1.89%	0.89%	1.14%	1.04%	0.88%	0.88%	0.88%		
2008	98,515	-	-	0	0.00%	0.00%	1.59%	0.82%	1.06%	0.97%	0.83%	0.83%	0.83%	
2009	291,266	-	-	0	0.00%	0.00%	0.00%	1.07%	0.66%	0.88%	0.82%	0.71%	0.71%	0.71%
2010	-	-	-	0	NA	0.00%	0.00%	0.00%	1.07%	0.66%	0.88%	0.82%	0.71%	0.71%
2011	170,079	-	7,103	(7,103)	-4.18%	-4.18%	-1.54%	-1.27%	-0.77%	0.24%	0.15%	0.42%	0.39%	0.35%

Northern States Power Company - North Dakota: Transmission, Distribution & General Study

Common  
 General Laboratory Equipment  
 Account 395  
 2000-2011

Transaction Year	Transactional History Retirements	Salvage	Removal Cost	Net Salvage	Net Salv. %	2- yr Net Salv. %	3- yr Net Salv. %	4- yr Net Salv. %	5- yr Net Salv. %	6- yr Net Salv. %	7- yr Net Salv. %	8- yr Net Salv. %	9- yr Net Salv. %	10- yr Net Salv. %
2000	-	-	-	0	NA									
2001	-	-	-	0	NA									
2002	26,373	-	-	0	0.00%	0.00%	0.00%							
2003	-	-	-	0	NA	0.00%	0.00%	0.00%						
2004	9,610	-	-	0	0.00%	0.00%	0.00%	0.00%	0.00%					
2005	-	-	-	0	NA	0.00%	0.00%	0.00%	0.00%	0.00%				
2006	-	-	-	0	NA	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%			
2007	-	-	-	0	NA	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		
2008	-	-	-	0	NA	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
2009	-	-	-	0	NA	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
2010	-	-	-	0	NA	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
2011	-	-	-	0	NA	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%

Common Plant  
 General Power Operated Equipment  
 Account 396  
 2000-2011

Transaction Year	Transactional History Retirements	Salvage	Removal Cost	Net Salvage	Net Salv. %	2- yr Net Salv. %	3- yr Net Salv. %	4- yr Net Salv. %	5- yr Net Salv. %	6- yr Net Salv. %	7- yr Net Salv. %	8- yr Net Salv. %	9- yr Net Salv. %	10- yr Net Salv. %
2000	-	-	-	0	NA									
2001	-	-	-	0	NA									
2002	-	-	-	0	NA									
2003	-	-	-	0	NA									
2004	-	-	-	0	NA									
2005	-	-	-	0	NA									
2006	-	-	-	0	NA									
2007	-	-	-	0	NA									
2008	-	-	-	0	NA									
2009	-	-	-	0	NA									
2010	-	-	-	0	NA									
2011	-	-	-	0	NA									

Northern States Power Company - North Dakota: Transmission, Distribution & General Study

Common Plant  
General Communication Equipment  
Account 397  
2000-2011

Transaction Year	Transactional History Retirements	Salvage	Removal Cost	Net Salvage	Net Salv. %	2- yr Net Salv. %	3- yr Net Salv. %	4- yr Net Salv. %	5- yr Net Salv. %	6- yr Net Salv. %	7- yr Net Salv. %	8- yr Net Salv. %	9- yr Net Salv. %	10- yr Net Salv. %
2000	-	-	-	0	NA									
2001	-	-	-	0	NA									
2002	2,147,381	-	-	0	0.00%	0.00%	0.00%							
2003	-	-	-	0	NA	0.00%	0.00%	0.00%						
2004	5,675,203	-	-	0	0.00%	0.00%	0.00%	0.00%	0.00%					
2005	7,019,641	-	-	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%				
2006	734,267	-	-	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%			
2007	189,472	-	-	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		
2008	127,474	-	-	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
2009	1,147,802	-	-	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
2010	-	-	-	0	NA	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
2011	1,105,612	-	-	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%

Common Plant  
General Communication Equipment - AES  
Account 397  
2000-2011

Transaction Year	Transactional History Retirements	Salvage	Removal Cost	Net Salvage	Net Salv. %	2- yr Net Salv. %	3- yr Net Salv. %	4- yr Net Salv. %	5- yr Net Salv. %	6- yr Net Salv. %	7- yr Net Salv. %	8- yr Net Salv. %	9- yr Net Salv. %	10- yr Net Salv. %
2000	-	-	-	0	NA									
2001	-	-	-	0	NA									
2002	3,669,806	-	-	0	0.00%	0.00%	0.00%	0.00%						
2003	380,447	-	-	0	0.00%	0.00%	0.00%	0.00%						
2004	836,004	-	-	0	0.00%	0.00%	0.00%	0.00%	0.00%					
2005	490,062	-	-	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%				
2006	-	-	-	0	NA	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%			
2007	2,720,952	-	395,655	(395,655)	-14.54%	-14.54%	-12.32%	-9.78%	-8.94%	-4.89%	-4.89%	-4.89%		
2008	97,882	-	-	0	0.00%	-14.04%	-14.04%	-11.96%	-9.55%	-8.74%	-4.83%	-4.83%	-4.83%	
2009	-	-	-	0	NA	0.00%	-14.04%	-14.04%	-11.96%	-9.55%	-8.74%	-4.83%	-4.83%	-4.83%
2010	-	-	-	0	NA	0.00%	-14.04%	-14.04%	-11.96%	-9.55%	-8.74%	-4.83%	-4.83%	-4.83%
2011	3,562,640	-	-	0	0.00%	0.00%	0.00%	0.00%	-6.20%	-6.20%	-5.76%	-5.13%	-4.89%	-3.37%

Common Plant  
General Miscellaneous Equipment  
Account 398  
2000-2011

Transaction Year	Transactional History Retirements	Salvage	Removal Cost	Net Salvage	Net Salv. %	2- yr Net Salv. %	3- yr Net Salv. %	4- yr Net Salv. %	5- yr Net Salv. %	6- yr Net Salv. %	7- yr Net Salv. %	8- yr Net Salv. %	9- yr Net Salv. %	10- yr Net Salv. %
2000	-	-	-	0	NA									
2001	-	-	-	0	NA									
2002	225,190	-	-	0	0.00%	0.00%	0.00%	0.00%						
2003	1,875	-	-	0	0.00%	0.00%	0.00%	0.00%						
2004	7,482	-	-	0	0.00%	0.00%	0.00%	0.00%	0.00%					
2005	54,187	-	-	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%				
2006	145,815	-	-	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%			
2007	164,511	-	7,622	(7,622)	-4.63%	-2.46%	-2.09%	-2.05%	-2.04%	-1.27%	-1.27%	-1.27%		
2008	42,440	-	-	0	0.00%	-3.68%	-2.16%	-1.87%	-1.84%	-1.83%	-1.19%	-1.19%	-1.19%	
2009	35,714	-	-	0	0.00%	0.00%	-3.14%	-1.96%	-1.72%	-1.69%	-1.13%	-1.13%	-1.13%	-1.13%
2010	-	-	-	0	NA	0.00%	0.00%	-3.14%	-1.96%	-1.72%	-1.69%	-1.69%	-1.13%	-1.13%
2011	18,100	0	6003	(6,003)	-33.17%	-33.17%	-11.16%	-6.24%	-5.22%	-3.35%	-2.96%	-2.91%	-2.90%	-1.96%