February 13, 2014

Burl W. Haar
Executive Secretary
Minnesota Public Utilities Commission
$1217^{\text {th }}$ Place East, Suite 350
St. Paul, MN 55101
RE: Supplemental Reply Comments
2012 Transmission, Distribution, and General Depreciation Study
Docket Nos. E,G002/D-12-858

Dear Dr. Haar:
On January 31, 2014, the Minnesota Department of Commerce submitted comments on our October 1, 2013 supplemental filing related to our 2012 Transmission, Distribution, and General Depreciation Study. We appreciate the Department's recommendation for approval of our supplemental filing. The Department also included in their recommendation a requirement that we amortize the theoretical reserve surplus for our electric and common intangible TD\&G accounts over the remaining lives of those accounts, so that the depreciation expense for those accounts matches our September 19, 2013 electric rate case compliance filing (Docket No. E002/GR-12-961).

We reviewed our October 1 supplemental filing and acknowledge that Schedule C, showing depreciation expense for the intangible accounts, was not consistent with our rate case compliance filing. To correct this inadvertent discrepancy, Attachment A to this letter provides the corrected version of Schedule C to our October 1 supplemental filing.

We believe Attachment A provides the necessary corrected information related to depreciation expense for our electric and common intangible accounts, making our filings in this docket consistent with our September 19 rate case compliance filing. We appreciate the opportunity to provide this corrected information.

We have electronically filed this document with the Minnesota Public Utilities Commission, and copies have been served on the parties on the attached service list. Please contact me at lisa.h.perkett@xcelenergy or (612) 330-6950 if there are any questions regarding this filing.

Sincerely,
/s/

Lisa H. Perkett
Director, Capital Asset Accounting
Enclosures
c: Service List

## Northern States Power Company

## Comparison of Present Reserve to Theoretical Reserv

## Common Utility

| Utility/ <br> Functional Class | Plant Balance <br> 1/1/2012 | Present <br> Annual <br> Accrual | Proposed Annual Accrual | Proposed less Present Change in ASL | Theoretical to Actual Reserve Difference | Difference <br> Amortized Over 8 Years | Total <br> Depreciation Change |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Electric Utility |  |  |  |  |  |  |  |
| Intangible | 15,217,558 | 3,043,512 | 3,043,512 | 0 | 417,044 | $(153,535)$ | $(153,535)$ |
| Transmission | 1,911,832,463 | 43,856,740 | 38,669,188 | $(5,187,552)$ | 200,466,880 | $(25,058,360)$ | $(30,245,912)$ |
| Distribution - Minnesota Only | 2,762,631,816 | 63,776,968 | 81,058,252 | 17,281,285 | 109,362,353 | $(13,670,294)$ | 3,610,990 |
| General | 263,842,485 | 17,963,470 | 16,964,295 | $(999,175)$ | 6,727,378 | $(840,922)$ | $(1,840,098)$ |
| Total Electric Utility | 4,953,524,321 | 128,640,690 | 139,735,247 | 11,094,557 | 316,973,655 | $(39,723,112)$ | $(28,628,554)$ |
| Gas Utility |  |  |  |  |  |  |  |
| Intangible | 3,662,300 | 732,460 | 732,460 | - | 84,177 |  | - |
| Transmission | 65,679,681 | 2,018,813 | 1,276,375 | $(742,437)$ | 12,731,083 |  | $(742,437)$ |
| Distribution - Minnesota Only | 751,812,663 | 24,416,645 | 23,580,006 | $(836,638)$ | 32,849,618 |  | $(836,638)$ |
| General | 39,316,533 | 3,272,832 | 3,180,169 | $(92,663)$ | 1,256,712 |  | $(92,663)$ |
| Total Gas Utility | 860,471,176 | 30,440,749 | 28,769,010 | $(1,671,739)$ | 46,921,590 |  | $(1,671,739)$ |
| Common Utility |  |  |  |  |  |  |  |
| Intangible | 72,000,048 | 13,895,648 | 13,895,648 | (0) | $(1,405,183)$ | 476,739 | 476,739 |
| General | 186,663,417 | 12,550,224 | 12,248,929 | $(301,295)$ | $(4,258,476)$ | 532,309 | 231,015 |
| Total Common Utility | 258,663,465 | 26,445,872 | 26,144,577 | $(301,295)$ | (5,663,659) | 1,009,049 | 707,754 |
| Total All Utilities | 6,072,658,963 | 185,527,311 | 194,648,835 | 9,121,524 | 358,231,586 | $(38,714,063)$ | $(29,592,539)$ |

Northern States Power Company
Comparison of Present Reserve to Theoretical Reserve

| Comparison of Present Reserve to Theoretical Reserve |  |  |  | $\begin{gathered} \text { As Approved in } \\ \text { E,G002/D-07-1528 } \\ \hline \end{gathered}$ |  | $\begin{gathered} \text { As Settled in } \\ \text { E002/GR-10-971 } \end{gathered}$ |  | Page 2 of 11 <br> Proposed |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Cor |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  | Plant Balance | (Note) | Annual <br> Rate (\%) | Annual Accrual | Annual <br> Rate (\%) | Annual Accrual | Annual <br> Rate <br> (ASL) | Annual <br> Accrual <br> (ASL) | ASL <br> Depreciation Change | Reserve | Total |
| FERC | Account Description |  |  |  |  |  |  |  |  |  | Surplus | Depreciation |
|  | Account Description | 1/1/2012 |  |  |  |  |  |  |  |  | Amortization | Change |

Intangible
303 Computer Software - 5 year
Total Intangible
Transmission

| 352 | Structures \& Improvements |
| :--- | :--- |
| 353 | Station Equipment |
| 354 | Towers \& Fixtures |
| 355 | Poles \& Fixtures |
| 356 | Overhead Conductor \& Devices |
| 357 | Underground Conduit |
| 358 | Und |

Total Transmission
Distribution - Minnesota Only

| 361 | Structures \& Improvements |
| :--- | :--- |
| 362 | Station Equipment |
| 364 | Poles, Towers \& Fixtures |
| 365 | Overhead Conductor \& Devices |
| 366 | Underground Conduit |
| 367 | Underground Conductor \& Devices |
| 368 | Line Transformers |
| 368 | Line Capacitors |
| 369 | Services - Overhead |
| 369 | Services - Underground |
| 370 | Meters |
| 370 | Meters - Old |

373 Street Light \& Signal Systems
Total Distribution - Minnesota Only
$15,217,558$
$15,217,558$
(a)

| $46,878,153$ | 2.22 | $1,040,695$ |
| ---: | ---: | ---: |
| $856,268,539$ | 2.63 | $22,519,863$ |
| $113,933,667$ | 2.50 | $2,848,342$ |
| $557,866,574$ | 2.44 | $13,611,944$ |
| $303,746,575$ | 3.10 | $9,416,144$ |
| $12,146,888$ | 1.82 | 221,073 |
| $20,992,067$ | 2.50 | 524,802 |


| 2.22 | $1,040,695$ |
| ---: | ---: |
| 2.63 | $22,519,863$ |
| 1.87 | $2,132,838$ |
| 1.82 | $10,133,088$ |
| 2.47 | $7,492,821$ |
| 1.19 | 144,548 |
| 1.87 | 392,888 |

50,182,863
43,856,740

| 1.47 | 689,385 | $(351,310)$ | $(597,347)$ | $(948,658)$ |
| ---: | ---: | ---: | ---: | ---: |
| 1.96 | $16,819,561$ | $(5,700,302)$ | $(10,995,882)$ | $(16,696,184)$ |
| 1.93 | $2,197,292$ | 64,454 | $(3,584,502)$ | $(3,520,048)$ |
| 2.18 | $12,147,095$ | $2,014,006$ | $(5,580,628)$ | $(3,566,622)$ |
| 2.06 | $6,267,786$ | $(1,225,034)$ | $(3,948,384)$ | $(5,173,418)$ |
| 1.37 | 166,396 | 21,848 | $(147,056)$ | $(125,209)$ |
| 1.82 | 381,674 | $(11,214)$ | $(204,561)$ | $(215,774)$ |
|  | $38,669,188$ | $(5,187,552)$ | $(25,058,360)$ | $(30,245,912)$ |


| $33,530,827$ |  |
| ---: | ---: |
| $432,935,359$ |  |
| $276,983,831$ |  |
| $305,257,633$ |  |
| $195,485,167$ |  |
| $796,388,991$ |  |
| $327,056,337$ | $(1)$ |
| $18,030,013$ | $(1)$ |
| $67,976,679$ |  |
| $166,419,623$ |  |
| $91,277,436$ | $(1)$ |
| $1,680,974$ | $(2)$ |
| $49,608,946$ |  |

2,762,631,816

| 2.89 | 969,041 |
| ---: | ---: |
| 2.89 | $12,511,832$ |
| 4.75 | $13,156,732$ |
| 3.71 | $11,325,058$ |
| 2.00 | $3,909,703$ |
| 2.29 | $18,237,308$ |
| 2.81 | $9,190,283$ |
| 4.00 | 721,201 |
| 3.38 | $2,297,612$ |
| 3.38 | $5,624,983$ |
| 6.67 | $6,088,205$ |
| 5.00 | - |
| 4.80 | $2,381,229$ |
|  | $86,413,187$ |

86,413,187

| 2.89 | 969,041 |
| ---: | ---: |
| 2.89 | $12,511,832$ |
| 3.67 | $10,176,940$ |
| 2.64 | $8,055,444$ |
| 0.92 | $1,807,456$ |
| 1.21 | $9,638,696$ |
| 1.97 | $6,429,273$ |
| 3.15 | 568,468 |
| 2.53 | $1,718,654$ |
| 2.53 | $4,207,587$ |
| 5.82 | $5,312,347$ |
| 4.15 | - |
| 4.80 | $2,381,229$ |
|  | $63,776,968$ |


| 2.17 | 726,501 | $(242,540)$ | $(185,848)$ | $(428,388)$ |
| :--- | ---: | ---: | ---: | ---: |
| 2.18 | $9,445,862$ | $(3,065,969)$ | $(1,652,803)$ | $(4,718,773)$ |
| 4.55 | $12,590,174$ | $2,413,234$ | $(2,001,455)$ | 411,779 |
| 3.08 | $9,392,543$ | $1,337,099$ | $(1,053,903)$ | 283,196 |
| 2.12 | $4,135,263$ | $2,327,807$ | $(745,236)$ | $1,582,572$ |
| 2.22 | $17,697,533$ | $8,058,837$ | $(3,063,083)$ | $4,995,754$ |
| 3.28 | $10,731,536$ | $4,302,263$ | $(2,605,182)$ | $1,697,081$ |
| 4.40 | 793,321 | 224,852 | $(106,402)$ | 118,451 |
| 4.25 | $2,889,009$ | $1,170,354$ | $(590,986)$ | 579,369 |
| 2.56 | $4,261,966$ | 54,379 | $(932,007)$ | $(877,628)$ |
| 6.67 | $6,085,162$ | 772,816 | $(521,404)$ | 251,411 |
| 5.00 | - | - | - | - |
| 4.66 | $2,309,382$ | $(71,847)$ | $(211,986)$ | $(283,834)$ |
|  | $81,058,252$ | $17,281,285$ | $(13,670,294)$ | $3,610,990$ |


| Northern States Power Company Comparison of Present Reserve to Theoretical Reserve |  |  |  |  |  |  |  | Docket No. E,G002/D-12-858Schedule C - RevisedPage 3 of 11 |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Common Utility |  |  |  | $\begin{gathered} \text { As Approved in } \\ \text { E,G002/D-07-1528 } \\ \hline \end{gathered}$ |  | $\begin{gathered} \text { As Settled in } \\ \text { E002/GR-10-971 } \end{gathered}$ |  |  |  |  |  |  |
| FERC Account | Account Description | $\begin{aligned} & \text { Plant Balance } \\ & 1 / 1 / 2012 \end{aligned}$ | (Note) | Annual <br> Rate (\%) | Annual <br> Accrual | Annual <br> Rate (\%) | Annual <br> Accrual | Annual <br> Rate <br> (ASL) | Annual Accrual (ASL) | ASL <br> Depreciation Change | Reserve <br> Surplus Amortization | Total <br> Depreciation Change |
|  |  | (a) |  | (b) | ( c ) $=(\mathrm{a}) *$ (b)/100 | (d) | $(\mathrm{e})=(\mathrm{a})^{*}(\mathrm{~d}) / 100$ | (f) | $(\mathrm{g})=(\mathrm{a}) *(\mathrm{f}) / 100$ | $(\mathrm{h})=(\mathrm{g})-(\mathrm{e})$ | (i) | (j) $=(\mathrm{h})+(\mathrm{i})$ |
| General |  |  |  |  |  |  |  |  |  |  |  |  |
| 390 | Structures \& Improvements | 59,179,857 |  | 2.22 | 1,313,793 | 2.22 | 1,313,793 | 2.11 | 1,245,892 | $(67,901)$ | $(382,062)$ | $(449,963)$ |
| 391 | Office Furniture \& Equipment | 22,857,009 | (1) | 5.56 | 1,270,850 | 5.56 | 1,270,850 | 5.00 | 1,142,850 | $(127,999)$ | $(62,114)$ | $(190,113)$ |
| 391 | Network Equipment | 4,884,082 | (1) | 25.00 | 1,221,021 | 25.00 | 1,221,021 | 25.00 | 1,221,021 | - | $(19,559)$ | $(19,559)$ |
| 392 | Transportation Equipment - Automobiles | 390,265 | (1) | 18.00 | 70,248 | 18.00 | 70,248 | 10.00 | 39,027 | $(31,221)$ | (668) | $(31,889)$ |
| 392 | Transportation Equipment - Light Trucks | 21,025,679 | (1) | 9.00 | 1,892,311 | 9.00 | 1,892,311 | 8.33 | 1,752,140 | $(140,171)$ | $(46,556)$ | $(186,727)$ |
| 392 | Transportation Equipment - Trailers | 7,211,534 | (1) | 9.00 | 649,038 | 9.00 | 649,038 | 6.67 | 480,769 | $(168,269)$ | $(8,233)$ | $(176,502)$ |
| 392 | Transportation Equipment - Heavy Trucks | 41,657,907 | (1) | 7.92 | 3,299,306 | 7.92 | 3,299,306 | 7.14 | 2,975,565 | $(323,741)$ | $(70,759)$ | $(394,500)$ |
| 393 | Stores Equipment | 1,230,683 | (1) | 5.00 | 61,534 | 5.00 | 61,534 | 5.00 | 61,534 | - | $(3,221)$ | $(3,221)$ |
| 394 | Tools, Shop \& Garage Equipment | 51,145,841 | (1) | 6.67 | 3,411,428 | 6.67 | 3,411,428 | 6.67 | 3,409,723 | $(1,705)$ | $(129,990)$ | $(131,694)$ |
| 395 | Laboratory Equipment | 3,622,186 | (1) | 10.00 | 362,219 | 10.00 | 362,219 | 10.00 | 362,219 | - | $(13,973)$ | $(13,973)$ |
| 396 | Power Operated Equipment | 20,725,068 | (1) | 9.00 | 1,865,256 | 9.00 | 1,865,256 | 8.33 | 1,727,089 | $(138,167)$ | $(28,076)$ | $(166,243)$ |
| 397 | Communication Equipment | 12,184,390 | (1) | 11.11 | 1,353,686 | 11.11 | 1,353,686 | 11.11 | 1,353,686 | - | $(31,693)$ | $(31,693)$ |
| 397 | Communication Equipment - Two Way | 232,557 | (1) | 11.11 | 25,837 | 11.11 | 25,837 | 11.11 | 25,837 | - | (661) | (661) |
| 397 | Communication Equipment - AES | 4,962,953 | (1) | 6.67 | 331,029 | 6.67 | 331,029 | 6.67 | 331,029 | - | $(10,249)$ | $(10,249)$ |
| 397 | Communication Equipment - EMS | 9,748,526 | (1) | 6.67 | 650,227 | 6.67 | 650,227 | 6.67 | 650,227 | - | $(22,830)$ | $(22,830)$ |
| 398 | Miscellaneous Equipment | 2,783,945 | (1) | 6.67 | 185,689 | 6.67 | 185,689 | 6.67 | 185,689 | - | $(10,279)$ | $(10,279)$ |
| Total G | neral | 263,842,485 |  |  | 17,963,470 |  | 17,963,470 |  | 16,964,295 | $(999,175)$ | $(840,922)$ | $(1,840,098)$ |
| Total | Electric Utility | 4,953,524,321 |  |  | $\underline{\text { 157,603,032 }}$ |  | 128,640,690 |  | 139,735,247 | 11,094,557 | (39,723,112) | $(28,628,555)$ |

(1): Plant Balance for vintage group (amortized) assets is for the vintages as of $1 / 1 / 2012$ that are not fully depreciated.
(2): This account is fully depreciated at in 2012

## Northern States Power Company

## Comparison of Present Reserve to Theoretical Reserve

## Common Utility

| FERC Account | Account Description | Plant Balance $1 / 1 / 2012$ | (Note) | Depreciation Reserve 1/1/2012 | Estimated <br> Net Salvage <br> Rate (\%) | Average Service Life | Theoretical Reserve | Actual to <br> Theoretical <br> Reserve <br> Difference | Difference <br> Amortized Over 8 Years |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | (a) |  | (b) | (c) | (d) | (e) | $(\mathrm{f})=(\mathrm{b})-(\mathrm{e})$ | $(\mathrm{g})=(\mathrm{f}) / 8$ |
| Intangible |  |  |  |  |  |  |  |  |  |
| 303 | Computer Software - 5 year | 15,217,558 | (1) | 7,367,597 | 0 | 5 | 6,950,553 | 417,044 | $(153,535)$ |
| Total Intangible |  | 15,217,558 |  | 7,367,597 |  |  | 6,950,553 | 417,044 | $(153,535)$ |
| Transmission |  |  |  |  |  |  |  |  |  |
| 352 | Structures \& Improvements | 46,878,153 |  | 15,348,271 | 0 | 68 | 10,569,494 | 4,778,777 | $(597,347)$ |
| 353 | Station Equipment | 856,268,539 |  | 277,554,258 | -10 | 56 | 189,587,203 | 87,967,055 | $(10,995,882)$ |
| 354 | Towers \& Fixtures | 113,933,667 |  | 91,740,102 | -35 | 70 | 63,064,084 | 28,676,018 | $(3,584,502)$ |
| 355 | Poles \& Fixtures | 557,866,574 |  | 140,344,077 | -35 | 62 | 95,699,052 | 44,645,025 | $(5,580,628)$ |
| 356 | Overhead Conductor \& Devices | 303,746,575 |  | 99,071,932 | -30 | 63 | 67,484,864 | 31,587,068 | (3,948,384) |
| 357 | Underground Conduit | 12,146,888 |  | 3,742,982 | 0 | 73 | 2,566,531 | 1,176,452 | $(147,056)$ |
| 358 | Underground Conductor \& Devices | 20,992,067 |  | 5,132,759 | 0 | 55 | 3,496,274 | 1,636,485 | $(204,561)$ |
| Total Transmission |  | 1,911,832,463 |  | 632,34,381 |  |  | 432,467,501 | 200,466,880 | $(25,058,360)$ |
| Distribution - Minnesota Only |  |  |  |  |  |  |  |  |  |
| 361 | Structures \& Improvements | 33,530,827 |  | 15,353,500 | -30 | 60 | 13,866,716 | 1,486,783 | $(185,848)$ |
| 362 | Station Equipment | 432,935,359 |  | 136,541,124 | -20 | 55 | 123,318,699 | 13,222,426 | $(1,652,803)$ |
| 364 | Poles, Towers \& Fixtures | 276,983,831 |  | 165,343,920 | -100 | 44 | 149,332,277 | 16,011,643 | $(2,001,455)$ |
| 365 | Overhead Conductor \& Devices | 305,257,633 |  | 87,064,868 | -20 | 39 | 78,633,644 | 8,431,224 | $(1,053,903)$ |
| 366 | Underground Conduit | 195,485,167 |  | 61,565,297 | -10 | 52 | 55,603,411 | 5,961,886 | $(745,236)$ |
| 367 | Underground Conductor \& Devices | 796,388,991 |  | 253,046,916 | 0 | 45 | 228,542,255 | 24,504,662 | $(3,063,083)$ |
| 368 | Line Transformers | 327,056,337 | (1) | 162,954,214 | -5 | 32 | 142,112,762 | 20,841,453 | $(2,605,182)$ |
| 368 | Line Capacitors | 18,030,013 | (1) | 12,151,454 | -10 | 25 | 11,300,240 | 851,214 | $(106,402)$ |
| 369 | Services - Overhead | 67,976,679 |  | 48,822,436 | -70 | 40 | 44,094,549 | 4,727,887 | $(590,986)$ |
| 369 | Services - Underground | 166,419,623 |  | 76,994,920 | -5 | 41 | 69,538,868 | 7,456,052 | $(932,007)$ |
| 370 | Meters | 91,277,436 | (1) | 61,046,782 | 0 | 15 | 56,875,549 | 4,171,233 | $(521,404)$ |
| 370 | Meters - Old | 1,680,974 | (2) | 1,680,974 | 0 | 20 | 1,680,974 | - | - |
| 373 | Street Light \& Signal Systems | 49,608,946 |  | 17,512,581 | -35 | 29 | 15,816,691 | 1,695,891 | $(211,986)$ |
| Total Di | istribution | 2,762,631,816 |  | 1,100,078,987 |  |  | 990,716,634 | 109,362,353 | (13,670,294) |

## Northern States Power Company

## Comparison of Present Reserve to Theoretical Reserve

## Common Utility

| FERC Account | Account Description | Plant Balance <br> 1/1/2012 | (Note) | Depreciation Reserve 1/1/2012 | Estimated <br> Net Salvage <br> Rate (\%) | Average Service Life | Theoretical Reserve | Actual to <br> Theoretical <br> Reserve <br> Difference | Difference <br> Amortized Over 8 Years |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | (a) |  | (b) | (c) | (d) | (e) | $(\mathrm{f})=(\mathrm{b})-(\mathrm{e})$ | $(\mathrm{g})=(\mathrm{f}) / 8$ |
| General |  |  |  |  |  |  |  |  |  |
| 390 | Structures \& Improvements | 59,179,857 |  | 26,921,569 | -20 | 57 | 23,865,074 | 3,056,495 | $(382,062)$ |
| 391 | Office Furniture \& Equipment | 22,857,009 | (1) | 8,778,503 | 0 | 20 | 8,281,594 | 496,909 | $(62,114)$ |
| 391 | Network Equipment | 4,884,082 | (1) | 2,764,304 | 0 | 4 | 2,607,830 | 156,474 | $(19,559)$ |
| 392 | Transportation Equipment - Automobiles | 390,265 | (1) | 94,451 | 0 | 10 | 89,105 | 5,346 | (668) |
| 392 | Transportation Equipment - Light Trucks | 21,025,679 | (1) | 6,579,723 | 0 | 12 | 6,207,276 | 372,447 | $(46,556)$ |
| 392 | Transportation Equipment - Trailers | 7,211,534 | (1) | 1,163,591 | 0 | 15 | 1,097,725 | 65,866 | $(8,233)$ |
| 392 | Transportation Equipment - Heavy Trucks | 41,657,907 | (1) | 10,000,297 | 0 | 14 | 9,434,228 | 566,069 | $(70,759)$ |
| 393 | Stores Equipment | 1,230,683 | (1) | 455,176 | 0 | 20 | 429,411 | 25,765 | $(3,221)$ |
| 394 | Tools, Shop \& Garage Equipment | 51,145,841 | (1) | 18,371,395 | 0 | 15 | 17,331,479 | 1,039,916 | $(129,990)$ |
| 395 | Laboratory Equipment | 3,622,186 | (1) | 1,974,806 | 0 | 10 | 1,863,022 | 111,784 | $(13,973)$ |
| 396 | Power Operated Equipment | 20,725,068 | (1) | 3,968,021 | 0 | 12 | 3,743,411 | 224,610 | $(28,076)$ |
| 397 | Communication Equipment | 12,184,390 | (1) | 4,479,135 | 0 | 9 | 4,225,592 | 253,543 | $(31,693)$ |
| 397 | Communication Equipment - Two Way | 232,557 | (1) | 93,346 | 0 | 9 | 88,062 | 5,284 | (661) |
| 397 | Communication Equipment - EMS | 4,962,953 | (1) | 1,448,553 | 0 | 15 | 1,366,558 | 81,996 | $(10,249)$ |
| 397 | Communication Equipment - AMR | 9,748,526 | (1) | 3,226,532 | 0 | 15 | 3,043,893 | 182,639 | $(22,830)$ |
| 398 | Miscellaneous Equipment | 2,783,945 | (1) | 1,452,786 | 0 | 15 | 1,370,550 | 82,236 | $(10,279)$ |
| Total General |  | 263,842,485 |  | 91,772,188 |  |  | 85,044,810 | 6,727,378 | $(840,922)$ |
| Total Electric Utility |  | 4,953,524,321 |  | 1,832,153,153 |  |  | 1,515,179,498 | 316,973,655 | $(39,723,112)$ |

(1): Plant Balance for vintage group (amortized) assets is for the vintages as of $1 / 1 / 2012$ that are not fully depreciated.
(2): This account is fully depreciated at in 2012
(3): Electric Intangible has an average remaining life shorter than 8 years. Electric Intangible theoretical reserve difference being amortized over 2.72 years.

## Northern States Power Company

Comparison of Present Reserve to Theoretical Reserve

## Common Utility

|  |  |  | As Approved in <br> E,G002/D-07-1528 |  | Proposed |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| FERC Account | Plant Balance $1 / 1 / 2012$ | (Note) | Annual <br> Rate (\%) | Annual <br> Accrual | Annual Rate (ASL) | Annual <br> Accrual <br> (ASL) | Depreciation Change |
|  | (a) |  | (b) | $(\mathrm{c})=(\mathrm{a}) *(\mathrm{~b}) / 100$ | (d) | $(\mathrm{e})=(\mathrm{a})^{*}(\mathrm{~d}) / 100$ | $(\mathrm{f})=(\mathrm{e})-(\mathrm{c})$ |
| Intangible |  |  |  |  |  |  |  |
| 303 Computer Software - 5 year | 3,662,300 | (1) | 20.00 | 732,460 | 20.00 | 732,460 | - |
| Total Intangible | 3,662,300 |  |  | 732,460 |  | 732,460 | - |
| Transmission |  |  |  |  |  |  |  |
| 366 Structures \& Improvements | 1,017,205 |  | 2.44 | 24,820 | 2.02 | 20,540 | $(4,280)$ |
| 367 Mains | 53,675,877 |  | 2.89 | 1,551,233 | 1.53 | 823,030 | $(728,203)$ |
| 369 Measure \& Regulating Station Equipment | 10,986,598 |  | 4.03 | 442,760 | 3.94 | 432,805 | $(9,955)$ |
| Total Transmission | 65,679,681 |  |  | 2,018,813 |  | 1,276,375 | $(742,437)$ |
| Distribution - Minnesota Only |  |  |  |  |  |  |  |
| 375 Structures \& Improvements | 55,163 |  | 2.44 | 1,346 | 2.44 | 1,345 | (1) |
| 376 Mains - Metallic | 80,789,038 |  | 2.89 | 2,334,803 | 2.35 | 1,900,919 | $(433,885)$ |
| 376 Mains - Plastic | 307,169,652 |  | 2.56 | 7,863,543 | 2.56 | 7,849,891 | $(13,652)$ |
| 378 Measure \& Regulating Station Equipment - General | 6,005,195 |  | 4.03 | 242,009 | 3.29 | 197,539 | $(44,470)$ |
| 379 Measure \& Regulating Station Equipment - City Gate | 1,773,490 |  | 4.03 | 71,472 | 2.68 | 47,604 | $(23,867)$ |
| 380 Services - Metallic | 11,675,526 |  | 3.25 | 379,455 | 3.50 | 408,643 | 29,189 |
| 380 Services - Plastic | 250,603,763 |  | 3.25 | 8,144,622 | 3.33 | 8,353,459 | 208,836 |
| 381 Meters | 90,268,507 | (1) | 5.75 | 5,190,439 | 5.15 | 4,648,828 | $(541,611)$ |
| 381 Meters - Telemetering | 36,778 | (2) | 12.50 | - | 12.50 | - | - |
| 383 House Regulators | 3,435,550 | (1) | 5.50 | 188,955 | 5.00 | 171,778 | $(17,178)$ |
| Total Distribution - Minnesota Only | 751,812,663 |  |  | 24,416,645 |  | 23,580,006 | $(836,638)$ |

## Northern States Power Company

## Comparison of Present Reserve to Theoretical Reserve

## Common Utility

| FERC <br> Account | Account Description | Plant Balance$1 / 1 / 2012$ | (Note) | $\begin{gathered} \text { As Approved in } \\ \text { E,G002/D-07-1528 } \end{gathered}$ |  | Proposed |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | Annual <br> Rate (\%) | Annual Accrual | Annual Rate (ASL) | Annual <br> Accrual <br> (ASL) | Depreciation Change |
|  |  | (a) |  | (b) | $(\mathrm{c})=(\mathrm{a}) *(\mathrm{~b}) / 100$ | (d) | $(\mathrm{e})=(\mathrm{a}) *(\mathrm{~d}) / 100$ | $(\mathrm{f})=(\mathrm{e})-(\mathrm{c})$ |
| General |  |  |  |  |  |  |  |  |
| 390 | Structures \& Improvements | 1,945,425 |  | 2.22 | 43,188 | 2.18 | 42,446 | (743) |
| 391 | Office Furniture \& Equipment | 877,862 | (1) | 5.56 | 48,809 | 5.00 | 43,893 | $(4,916)$ |
| 391 | Network Equipment | 37,566 | (1) | 25.00 | 9,391 | 25.00 | 9,391 | - |
| 392 | Transportation Equipment - Automobiles | 83,716 | (1) | 18.00 | 15,069 | 10.00 | 8,372 | $(6,697)$ |
| 392 | Transportation Equipment - Light Trucks | 3,556,524 | (1) | 9.00 | 320,087 | 8.33 | 296,377 | $(23,710)$ |
| 392 | Transportation Equipment - Trailers | 661,434 | (1) | 9.00 | 59,529 | 6.67 | 44,096 | $(15,433)$ |
| 392 | Transportation Equipment - Heavy Trucks | 4,827,305 | (1) | 7.92 | 382,323 | 7.14 | 344,808 | $(37,515)$ |
| 393 | Stores Equipment | 10,091 | (1) | 5.00 | 505 | 5.00 | 505 | - |
| 394 | Tools, Shop \& Garage Equipment | 4,305,799 | (1) | 6.67 | 287,197 | 6.67 | 287,197 | - |
| 396 | Power Operated Equipment | 547,294 | (1) | 9.00 | 49,256 | 8.33 | 45,608 | $(3,649)$ |
| 397 | Communication Equipment | 12,593,714 | (1) | 11.11 | 1,399,162 | 11.11 | 1,399,162 | - |
| 397 | Communication Equipment - EMS | 5,634,650 | (1) | 6.67 | 375,831 | 6.67 | 375,831 | - |
| 397 | Communication Equipment - AMR | 4,166,157 | (1) | 6.67 | 277,883 | 6.67 | 277,883 | - |
| 398 | Miscellaneous Equipment | 68,994 | (1) | 6.67 | 4,602 | 6.67 | 4,602 | - |
| Total General |  | 39,316,533 |  |  | 3,272,832 |  | 3,180,169 | $(92,663)$ |
| Total Gas Utility |  | 860,471,176 |  |  | 30,440,749 |  | 28,769,010 | $\underline{(1,671,739)}$ |

(1): Plant Balance for vintage group (amortized) assets is for the vintages as of $1 / 1 / 2012$ that are not fully depreciated.
(2): This account is fully depreciated at in 2012

## Northern States Power Company

## Comparison of Present Reserve to Theoretical Reserve

## Common Utility

| FERC Account | Plant Balance $1 / 1 / 2012$ | (Note) | Depreciation <br> Reserve <br> 1/1/2012 | Estimated <br> Net Salvage <br> Rate (\%) | Average Service Life | Theoretical Reserve | Actual to <br> Theoretical <br> Reserve <br> Difference |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | (a) |  | (b) | (c) | (d) | (e) | $(\mathrm{f})=(\mathrm{b})-(\mathrm{e})$ |
| Intangible |  |  |  |  |  |  |  |
| 303 Computer Software - 5 year | 3,662,300 | (1) | 977,047 | 0 | 5 | 892,870 | 84,177 |
| Total Intangible | 3,662,300 |  | 977,047 |  |  | 892,870 | 84,177 |
| Transmission |  |  |  |  |  |  |  |
| 366 Structures \& Improvements | 1,017,205 |  | 639,031 | -5 | 52 | 373,255 | 265,777 |
| 367 Mains | 53,675,877 |  | 20,682,288 | -15 | 75 | 11,098,447 | 9,583,841 |
| 369 Measure \& Regulating Station Equipment | 10,986,598 |  | 6,333,058 | -30 | 33 | 3,451,593 | 2,881,465 |
| Total Transmission | 65,679,681 |  | 27,654,378 |  |  | 14,923,295 | 12,731,083 |

Distribution - Minnesota Only

| 375 | Structures \& Improvements |
| :--- | :--- |
| 376 | Mains - Metallic |
| 376 | Mains - Plastic |
| 378 | Measure \& Regulating Station Equipment - General |
| 379 | Measure \& Regulating Station Equipment - City Gate |
| 380 | Services - Metallic |
| 380 | Services - Plastic |
| 381 | Meters |
| 381 | Meters - Telemetering |
| 383 | House Regulators |

Total Distribution - Minnesota Only

| 55,163 | 33,294 | 0 | 41 | 30,688 | 2,605 |
| ---: | ---: | :---: | ---: | ---: | ---: |
| $80,789,038$ | $39,025,533$ | -20 | 51 | $35,090,207$ | $3,935,326$ |
| $307,169,652$ | $104,479,744$ | -15 | 45 | $93,944,030$ | $10,535,714$ |
| $6,005,195$ | $2,657,298$ | -25 | 38 | $2,389,337$ | 267,961 |
| $1,773,490$ | 226,166 | -2 | 38 | 203,359 | 22,806 |
| $11,675,526$ | $12,725,546$ | -40 | 40 | $11,443,780$ | $1,281,766$ |
| $250,603,763$ |  | $121,222,944$ | -30 | 39 | $108,998,849$ |
| $90,268,507$ | $(1)$ | $56,598,615$ | -3 | 20 | $52,223,970$ |
| 36,778 | $(2)$ | - | 0 | 8 | $4,374,645$ |
| $3,435,550$ | $(1)$ | $3,344,936$ | 0 | 20 | - |
|  |  |  |  | $3,140,237$ | 204,699 |
| $751,812,663$ |  | $340,314,074$ |  |  | $307,464,456$ |
|  |  |  |  |  |  |

## Northern States Power Company

## Comparison of Present Reserve to Theoretical Reserve

## Common Utility

| FERC <br> Account | Account Description | Plant Balance <br> 1/1/2012 | (Note) | Depreciation Reserve $1 / 1 / 2012$ | Estimated <br> Net Salvage <br> Rate (\%) | Average <br> Service <br> Life | Theoretical Reserve | Actual to <br> Theoretical <br> Reserve <br> Difference |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | (a) |  | (b) | (c) | (d) | (e) | $(\mathrm{f})=(\mathrm{b})-(\mathrm{e})$ |
| General |  |  |  |  |  |  |  |  |
| 390 | Structures \& Improvements | 1,945,425 |  | 333,436 | -20 | 55 | 295,667 | 37,770 |
| 391 | Office Furniture \& Equipment | 877,862 | (1) | 228,998 | 0 | 20 | 209,498 | 19,500 |
| 391 | Network Equipment | 37,566 | (1) | 11,935 | 0 | 4 | 10,907 | 1,028 |
| 392 | Transportation Equipment - Automobiles | 83,716 | (1) | 68,189 | 0 | 10 | 62,314 | 5,875 |
| 392 | Transportation Equipment - Light Trucks | 3,556,524 | (1) | 1,121,778 | 0 | 12 | 1,025,131 | 96,647 |
| 392 | Transportation Equipment - Trailers | 661,434 | (1) | 205,482 | 0 | 15 | 187,779 | 17,703 |
| 392 | Transportation Equipment - Heavy Trucks | 4,827,305 | (1) | 1,471,517 | 0 | 14 | 1,344,738 | 126,779 |
| 393 | Stores Equipment | 10,091 | (1) | 276 | 0 | 20 | 252 | 24 |
| 394 | Tools, Shop \& Garage Equipment | 4,305,799 | (1) | 2,496,801 | 0 | 15 | 2,281,689 | 215,112 |
| 396 | Power Operated Equipment | 547,294 | (1) | 184,431 | 0 | 12 | 168,542 | 15,889 |
| 397 | Communication Equipment | 12,593,714 | (1) | 5,260,893 | 0 | 9 | 4,807,641 | 453,252 |
| 397 | Communication Equipment - AES | 5,634,650 | (1) | 1,351,840 | 0 | 15 | 1,235,372 | 116,468 |
| 397 | Communication Equipment - EMS | 4,166,157 | (1) | 1,701,543 | 0 | 15 | 1,554,946 | 146,597 |
| 398 | Miscellaneous Equipment | 68,994 | (1) | 47,221 | 0 | 15 | 43,152 | 4,069 |
| Total General |  | 39,316,533 |  | 14,484,340 |  |  | 13,227,628 | 1,256,712 |
| Total Gas Utility |  | 860,471,176 |  | 383,429,839 |  |  | 336,508,249 | 46,921,590 |

(1): Plant Balance for vintage group (amortized) assets is for the vintages as of $1 / 1 / 2012$ that are not fully depreciated
(2): This account is fully depreciated at in 2012

Northern States Power Company
Comparison of Present Reserve to Theoretical Reserve

## Docket No. E,G002/D-12-858

Schedule C - Revised
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## Common Utility

|  |  |  | $\begin{gathered} \text { As Approved in } \\ \text { E,G002/D-07-1528 } \end{gathered}$ |  | Proposed |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| FERC Account | Plant Balance <br> 1/1/2012 | (Note) | Annual <br> Rate (\%) | Annual Accrual | Annual Rate (ASL) | Annual Accrual (ASL) | ASL <br> Depreciation Change | Reserve Surplus Amortization | Total <br> Depreciation <br> Change |
|  | (a) |  | (b) | $(\mathrm{c})=(\mathrm{a}) *(\mathrm{~b}) / 100$ | (d) | $(\mathrm{e})=(\mathrm{a}) *(\mathrm{~d}) / 100$ | $(\mathrm{f})=(\mathrm{e})-(\mathrm{c})$ | (g) | $(\mathrm{h})=(\mathrm{f})+(\mathrm{g})$ |
| Intangible |  |  |  |  |  |  |  |  |  |
| 303 Computer Software - 3 year | - | (2) | 33.33 | - | 33.33 | - | - | - | - |
| 303 Computer Software - 5 year | 63,386,881 | (2) | 20.00 | 12,677,376 | 20.00 | 12,677,376 | - | 473,384 | 473,384 |
| 303 Computer Software - 7 year | 8,328,954 | (2) | 14.29 | 1,189,851 | 14.29 | 1,189,851 | - | - | - |
| 303 Computer Software - 10 year | 284,213 | (2) | 10.00 | 28,421 | 10.00 | 28,421 | - | 3,355 | 3,355 |
| Total Intangible | 72,000,048 |  |  | 13,895,648 |  | 13,895,648 | - | 476,739 | 476,739 |
| General |  |  |  |  |  |  |  |  |  |
| 390 Structures \& Improvements | 115,747,921 |  | 2.22 | 2,569,604 | 2.18 | 2,525,409 | $(44,195)$ | 305,387 | 261,192 |
| 390 Structures \& Improvements - Leasehold Improvements | 1,163,412 |  | 10.53 | 122,507 | 10.00 | 116,341 | $(6,166)$ | 5,858 | (308) |
| 391 Office Furniture \& Equipment | 23,397,579 | (2) | 5.56 | 1,300,905 | 5.00 | 1,169,879 | $(131,026)$ | 85,037 | $(45,989)$ |
| 391 Network Equipment | 27,288,817 | (2) | 25.00 | 6,822,204 | 25.00 | 6,822,204 | - | 76,521 | 76,521 |
| 392 Transportation Equipment - Automobiles | 319,097 | (2) | 18.00 | 57,437 | 10.00 | 31,910 | $(25,528)$ | 665 | $(24,863)$ |
| 392 Transportation Equipment - Light Trucks | 4,350,598 | (2) | 9.00 | 391,554 | 8.33 | 362,550 | $(29,004)$ | 14,723 | $(14,281)$ |
| 392 Transportation Equipment - Trailers | 1,125,686 | (2) | 9.00 | 101,312 | 6.67 | 75,046 | $(26,266)$ | 2,279 | $(23,987)$ |
| 392 Transportation Equipment - Heavy Trucks | 4,425,984 | (2) | 7.92 | 350,538 | 7.14 | 316,142 | $(34,396)$ | 11,547 | $(22,849)$ |
| 393 Stores Equipment | 9,136 | (2) | 5.00 | 457 | 5.00 | 457 | - | 6 | 6 |
| 394 Tools, Shop \& Garage Equipment | 2,173,877 | (2) | 6.67 | 144,998 | 6.67 | 144,998 | - | 4,723 | 4,723 |
| 395 Laboratory Equipment | 36,686 | (2) | 10.00 | 3,669 | 10.00 | 3,669 | - | 184 | 184 |
| 396 Power Operated Equipment | 707,031 | (2) | 9.00 | 63,633 | 8.33 | 58,919 | $(4,714)$ | 1,545 | $(3,168)$ |
| 397 Communication Equipment | 1,367,560 | (2) | 11.11 | 151,936 | 11.11 | 151,936 | - | 5,219 | 5,219 |
| 397 Communication Equipment - Two Way | 3,738,356 | (2) | 11.11 | 415,331 | 11.11 | 415,331 | - | 15,360 | 15,360 |
| 398 Miscellaneous Equipment | 811,679 | (2) | 6.67 | 54,139 | 6.67 | 54,139 | - | 3,255 | 3,255 |
| Total General | 186,663,417 |  |  | 12,550,224 |  | 12,248,929 | $(301,295)$ | 532,309 | 231,015 |
| Total Common Utility | 258,663,465 |  |  | 26,445,872 |  | 26,144,577 | $(301,295)$ | 1,009,049 | 707,754 |

(1): Plant Balance as of $1 / 1 / 2012$ has been adjusted for known retirements that occurred in the first six months of 2012
(2): Plant Balance for vintage group (amortized) assets is for the vintages as of $1 / 1 / 2012$ that are not fully depreciated.

## Northern States Power Company

## Comparison of Present Reserve to Theoretical Reserve

Docket No. E,G002/D-12-858

Common Utility

(1): Plant Balance as of $1 / 1 / 2012$ has been adjusted for known retirements that occurred in the first six months of 2012
(2): Plant Balance for vintage group (amortized) assets is for the vintages as of $1 / 1 / 2012$ that are not fully depreciated.
(3): Common Intangible has an average remaining life shorter than 8 years. Common Intangible theoretical reserve difference being amortized over 2.95 years.

## Certificate of SERvice

I, SaGonna Thompson, hereby certify that I have this day served copies of the foregoing document or a summary thereof on the attached list of persons.
xx by depositing a true and correct copy or summary thereof, properly enveloped with postage paid in the United States mail at Minneapolis, Minnesota; or
xx via electronic filing

Docket No. E,G002/D-12-858

Dated this $13^{\text {th }}$ of February 2014
/s/
SaGonna Thompson

| First Name | Last Name | Email | Company Name | Address | Delivery Method | View Trade Secret | Service List Name |
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