**MPSC Case No. U-21540**
**MGUC Index of Exhibits**

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| | | | | |
|---|---|---|---|---|
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| | | | | |
|---|---|---|---|---|
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| | | | | |
|---|---|---|---|---|
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| II | N/A | | 2021 MGU Annual Report to MPSC P-522 | |
| II | N/A | | 2022 MGU Annual Report to MPSC P-522 | |
| II | N/A | | 2022 MGU Annual Report to the SEC Form 10-K (February 23, 2023) (link provided) | |

| | | | | |
|---|---|---|---|---|
| II | N/A | | Quarterly Report to Shareholders SEC Form 10-Q (November 3, 2022) (link provided) | |
| II | N/A | | Quarterly Report to Shareholders SEC Form 10-Q (May 4, 2023) (link provided) | |
| II | N/A | | Quarterly Report to Shareholders SEC Form 10-Q (August 3, 2023) (link provided) | |
| II | N/A | | Quarterly Report to Shareholders SEC Form 10-Q (November 2, 2023) (link provided) | |
| II | N/A | | Bond and Other Financial Prospectuses | |
| III | N/A | | See "Part III Supplemental Data Index" (provided in link) | |

# Schedule A-1

| | | | |
|---|---|---|---|
| Michigan Public Service Commission | | Case No.: | U-21540 |
| Michigan Gas Utilities | | Exhibit No.: | A-1 |
| Revenue Deficiency (Sufficiency) | | Schedule: | A-1 |
| Historical 12 Month Period Ending December 31, 2022 | | Page: | 1 of 1 |
| | | Witness: | Anthony Reese |

| | (a) | (b) | (c) |
|---|---|---|---|
| Line No. | **Description** | **Source** | **Total ($000)** |
| 1 | | | |
| 2 | Rate Base | Exh. A-2, Sch. B1 | $ 431,393 |
| 3 | | | |
| 4 | Adjusted Net Operating Income | Exh. A-3, Sch. C1 | 22,286 |
| 5 | | | |
| 6 | Overall Rate of Return | Line 4 ÷ Line 2 | 5.17% |
| 7 | | | |
| 8 | Required Rate of Return | Exh. A-4, Sch. D1 | 5.30% |
| 9 | | | |
| 10 | Income Requirements | Line 2 x Line 8 | 22,850 |
| 11 | | | |
| 12 | Income Deficiency (Sufficiency) | Line 10 - Line 4 | 564 |
| 13 | | | |
| 14 | Revenue Conversion Factor | Exh. A-3, Sch. C2 | 1.347 |
| 15 | | | |
| 16 | Revenue Deficiency (Sufficiency) | Line 12 x Line 14 | $ 760 |

Michigan Public Service Commission
Michigan Gas Utilities Corporation
($000)

Case No.: U-21540
Exhibit No.: A-1
Schedule: A-2
Page 1 of 6
Witness: Anthony Reese

Financial Metrics - Financial Basis

| | [A] | [B] | [C] | [D] | [E] | [F] |
|---|---|---|---|---|---|---|
| Line | Description | 2022 | 2021 | 2020 | 2019 | 2018 |
| 1 | Operating Revenue | $ 216,229 | $ 151,943 | $ 128,211 | $ 144,530 | $ 148,416 |
| 2 | Operating Expense | (188,928) | (133,697) | (106,184) | (118,178) | (122,219) |
| 3 | Pre-Tax Operating Income | 27,302 | 18,246 | 22,027 | 26,352 | 26,197 |
| 4 | Income Taxes | (4,450) | (3,635) | (3,611) | (4,305) | (5,530) |
| 5 | Net Operating Income | 22,852 | 14,611 | 18,417 | 22,047 | 20,667 |
| 6 | Other Income and Deductions | (207) | (252) | (202) | (277) | (200) |
| 7 | AFUDC | 684 | 126 | 276 | 339 | 131 |
| 8 | Interest Charges | (5,504) | (4,999) | (4,769) | (3,814) | (3,857) |
| 9 | Interest (2021 Deferral) | (1,225) | 4,900 | - | - | - |
| 10 | Preferred Stock Dividends | - | - | - | - | - |
| 11 | Net Income Available for Common | 16,600 | 14,386 | 13,722 | 18,295 | 16,741 |
| 12 | Year End Average Unadjusted Common Equity | 195,886 | 175,368 | 178,795 | 177,774 | 154,745 |
| 13 | Earned Rate of Return on Common Equity | 8.47% | 8.20% | 7.67% | 10.29% | 10.82% |
| 14 | Authorized Return on Common Equity | 9.85% | 9.90% | 9.90% | 9.90% | 9.90% |

($000)

Financial Metrics - Financial Basis

| Line | Description [A] | 2022 [B] | 2021 [C] | 2020 [D] | 2019 [E] | 2018 [F] |
|---|---|---|---|---|---|---|
| | **EBIT Interest Coverage Ratio** | | | | | |
| 15 | Pre-Tax Operating Income | $ 27,302 | $ 18,246 | $ 22,027 | $ 26,352 | $ 26,197 |
| 16 | Other Income and Deductions | (207) | (252) | (202) | (277) | (200) |
| 17 | AFUDC | 684 | 126 | 276 | 339 | 131 |
| 18 | Total EBIT | 27,779 | 18,121 | 22,101 | 26,414 | 26,128 |
| 19 | Interest Charges | 5,504 | 4,999 | 4,769 | 3,814 | 3,857 |
| 20 | EBIT Interest Coverage Ratio | 5.05 | 3.62 | 4.63 | 6.93 | 6.77 |
| | **EBITDA Interest Coverage Ratio** | | | | | |
| 21 | Total EBIT | $ 27,779 | $ 18,121 | $ 22,101 | $ 26,414 | $ 26,128 |
| 22 | Depreciation and Amortization | 18,450 | 17,189 | 15,524 | 12,885 | 12,539 |
| 23 | Total EBITDA | 46,229 | 35,310 | 37,625 | 39,299 | 38,667 |
| 24 | Interest Charges | 5,504 | 4,999 | 4,769 | 3,814 | 3,857 |
| 25 | EBITDA Interest Coverage Ratio | 8.40 | 7.06 | 7.89 | 10.30 | 10.03 |
| | **Funds Flow from Operations (FFO) Interest Coverage Ratio** | | | | | |
| 26 | Net Operating Income | $ 22,852 | $ 14,611 | $ 18,417 | $ 22,047 | $ 20,667 |
| 27 | Depreciation and Amortization | 18,450 | 17,189 | 15,524 | 12,885 | 12,539 |
| 28 | Deferred Income Tax | 4,135 | 6,396 | 9,662 | 4,545 | 4,037 |
| 29 | AFUDC | 684 | 126 | 276 | 339 | 131 |
| 30 | Other Major Recurring Non-Cash Items | (859) | (3,986) | 610 | 1,390 | 425 |
| 31 | Interest Paid | 5,504 | 4,999 | 4,769 | 3,814 | 3,857 |
| 32 | Less: | | | | | |
| 33 | Operating Lease Adjustment to Depreciation | - | - | - | - | - |
| 34 | Subtotal | 50,765 | 39,335 | 49,257 | 45,020 | 41,655 |
| 35 | Interest Charges | 5,504 | 4,999 | 4,769 | 3,814 | 3,857 |
| 36 | FFO Interest Coverage Ratio | 9.22 | 7.87 | 10.33 | 11.80 | 10.80 |

Michigan Public Service Commission
Michigan Gas Utilities Corporation
($000)

Case No.: U-21540
Exhibit No.: A-1
Schedule: A-2

Witness: Anthony Reese

Financial Metrics - Financial Basis

| | [A] | [B] | [C] | [D] | [E] | [F] |
|---|---|---|---|---|---|---|
| Line | Description | 2022 | 2021 | 2020 | 2019 | 2018 |
| | **Overall Fixed Charge Coverage Ratio** | | | | | |
| 37 | Net Income Available for Common | $ 16,600 | $ 14,386 | $ 13,722 | $ 18,295 | $ 16,741 |
| 38 | Interest Charges | 5,504 | 4,999 | 4,769 | 3,814 | 3,857 |
| 39 | Subtotal Numerator | 22,104 | 19,385 | 18,491 | 22,109 | 20,598 |
| 40 | Interest Charges | 5,504 | 4,999 | 4,769 | 3,814 | 3,857 |
| 41 | Preferred Stock Dividends | | | | - | - |
| 42 | Subtotal Denominator | 5,504 | 4,999 | 4,769 | 3,814 | 3,857 |
| 43 | Overall Fixed Charge Coverage Ratio | 4.02 | 3.88 | 3.88 | 5.80 | 5.34 |
| | **Cash Flow Coverage of Dividends Ratio** | | | | | |
| 44 | Net Income Available for Common | $ 16,600 | $ 14,386 | $ 13,722 | $ 18,295 | $ 16,741 |
| 45 | Depreciation and Amortization | 18,450 | 17,189 | 15,524 | 12,885 | 12,539 |
| 46 | Deferred Taxes | 4,135 | 6,396 | 9,662 | 4,545 | 4,037 |
| 47 | Subtotal | 39,185 | 37,971 | 38,907 | 35,725 | 33,317 |
| 48 | Common Dividends | - | - | 47,000 | 14,000 | - |
| 49 | Cash Flow Coverage of Dividend Ratio | N/A | N/A | 0.83 | 2.55 | N/A |
| | **Common Dividend Payout Ratio** | | | | | |
| 50 | Common Dividends | $ - | $ - | $ 47,000 | $ 14,000 | $ - |
| 51 | Net Income Available for Common | 16,600 | 14,386 | 13,722 | 18,295 | 16,741 |
| 52 | Common Dividend Payout Ratio | N/A | N/A | 343% | 77% | N/A |
| | **Permanent Capitalization** | | | | | |
| 53 | Long-term Debt | $ 150,000 | $ 150,000 | $ 120,000 | $ 90,000 | $ 90,000 |
| 54 | Preferred Stock | | | | - | - |
| 55 | Common Equity | 195,886 | 175,368 | 178,795 | 177,774 | 154,745 |
| 56 | Total Permanent Capital | 345,886 | 325,368 | 298,795 | 267,774 | 244,745 |
| 57 | Long-term Debt Ratio | 43.37% | 46.10% | 40.16% | 33.61% | 36.77% |
| 58 | Preferred Stock Ratio | - | - | - | - | - |
| 59 | Common Equity Ratio | 56.63% | 53.90% | 59.84% | 66.39% | 63.23% |
| 60 | Total Permanent Capital | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% |

($000)

# Schedule A-2





Financial Metrics - Ratemaking Basis

| | [A] | [B] | [C] | [D] | [E] | [F] |
|---|---|---|---|---|---|---|
| Line | Description | 2022 | 2021 | 2020 | 2019 | 2018 |
| 61 | Operating Revenue | $ 216,229 | $ 151,943 | $ 128,211 | $ 144,530 | $ 148,416 |
| 62 | Operating Expense | (188,928) | (133,697) | (106,184) | (118,178) | (122,219) |
| 63 | Pre-Tax Operating Income | 27,302 | 18,246 | 22,027 | 26,352 | 26,197 |
| 64 | Income Taxes | (4,450) | (3,635) | (3,611) | (4,305) | (5,530) |
| 65 | Net Operating Income | 22,852 | 14,611 | 18,417 | 22,047 | 20,667 |
| 66 | Tax Impact of Pro-Forma Interest on NOI[1] | - | - | - | - | - |
| 67 | AFUDC | 684 | 126 | 276 | 339 | 131 |
| 68 | Interest Charges | (5,504) | (4,999) | (4,769) | (3,814) | (3,857) |
| 69 | Interest (2021 Deferral) | (1,225) | 4,900 | - | - | - |
| 70 | Preferred Stock Dividends | - | - | - | - | - |
| 71 | Net Income Available for Common and JDITC | 16,807 | 14,638 | 13,924 | 18,571 | 16,940 |
| 72 | Return Assignable to JDITC | | | | | |
| 73 | Net Income Available for Common | 16,807 | 14,638 | 13,924 | 18,571 | 16,940 |
| 74 | 13 mo. Average Adjusted Common Equity | 172,843 | 149,871 | 139,889 | 134,757 | 119,255 |
| 75 | Earned Rate of Return on Common Equity | 9.72% | 9.77% | 9.95% | 13.78% | 14.21% |
| 76 | Authorized Return on Common Equity | 9.85% | 9.90% | 9.90% | 9.90% | 9.90% |

($000)

Financial Metrics - Ratemaking Basis

| | [A] | [B] | [C] | [D] | [E] | [F] |
|---|---|---|---|---|---|---|
| Line | Description | 2022 | 2021 | 2020 | 2019 | 2018 |
| | **EBIT Interest Coverage Ratio** | | | | | |
| 77 | Pre-Tax Operating Income | $ 27,302 | $ 18,246 | $ 22,027 | $ 26,352 | $ 26,197 |
| 78 | AFUDC | 684 | 126 | 276 | 339 | 131 |
| 79 | Total EBIT | 27,985 | 18,372 | 22,303 | 26,690 | 26,328 |
| 80 | Interest Charges | 5,504 | 4,999 | 4,769 | 3,814 | 3,857 |
| 81 | EBIT Interest Coverage Ratio | 5.08 | 3.68 | 4.68 | 7.00 | 6.83 |
| | **EBITDA Interest Coverage Ratio** | | | | | |
| 82 | Total EBIT | $ 27,985 | $ 18,372 | $ 22,303 | $ 26,690 | $ 26,328 |
| 83 | Depreciation and Amortization | 18,450 | 17,189 | 15,524 | 12,885 | 12,539 |
| 84 | Total EBITDA | 46,436 | 35,561 | 37,827 | 39,576 | 38,867 |
| 85 | Interest Charges | 5,504 | 4,999 | 4,769 | 3,814 | 3,857 |
| 86 | EBITDA Interest Coverage Ratio | 8.44 | 7.11 | 7.93 | 10.38 | 10.08 |
| | **Funds Flow from Operations (FFO) Interest Coverage Ratio** | | | | | |
| 87 | Net Operating Income | $ 22,852 | $ 14,611 | $ 18,417 | $ 22,047 | $ 20,667 |
| 88 | Depreciation and Amortization | 18,450 | 17,189 | 15,524 | 12,885 | 12,539 |
| 89 | Deferred Income Tax | 4,135 | 6,396 | 9,662 | 4,545 | 4,037 |
| 90 | AFUDC | 684 | 126 | 276 | 339 | 131 |
| 91 | Other Major Recurring Non-Cash Items | (859) | (3,986) | 610 | 1,390 | 425 |
| 92 | Interest Charges | 5,504 | 4,999 | 4,769 | 3,814 | 3,857 |
| 93 | Less: | | | | | |
| 94 | Operating Lease Adjustment to Depreciation | - | - | - | - | - |
| 95 | Subtotal | 50,765 | 39,335 | 49,257 | 45,020 | 41,655 |
| 96 | Interest Charges | 5,504 | 4,999 | 4,769 | 3,814 | 3,857 |
| 97 | FFO Interest Coverage Ratio | 9.22 | 7.87 | 10.33 | 11.80 | 10.80 |

Michigan Public Service Commission
Michigan Gas Utilities Corporation
($000)

Case No.: U-21540
Exhibit No.: A-1
Schedule: A-2

Witness: Anthony Reese

Financial Metrics - Ratemaking Basis

| | [A] | [B] | [C] | [D] | [E] | [F] |
|---|---|---|---|---|---|---|
| Line | Description | 2022 | 2021 | 2020 | 2019 | 2018 |
| | **Overall Fixed Charge Coverage Ratio** | | | | | |
| 98 | Net Income Available for Common | $ 16,807 | $ 14,638 | $ 13,924 | $ 18,571 | $ 16,940 |
| 99 | Interest Charges | 5,504 | 4,999 | 4,769 | 3,814 | 3,857 |
| 100 | Subtotal Numerator | 22,311 | 19,637 | 18,693 | 22,385 | 20,797 |
| 101 | Interest Charges | 5,504 | 4,999 | 4,769 | 3,814 | 3,857 |
| 102 | Preferred Stock Dividends | - | - | - | - | - |
| 103 | Subtotal Denominator | 5,504 | 4,999 | 4,769 | 3,814 | 3,857 |
| 104 | Overall Fixed Charge Coverage Ratio | 4.05 | 3.93 | 3.92 | 5.87 | 5.39 |
| | **Cash Flow Coverage of Dividends Ratio** | | | | | |
| 105 | Net Income Available for Common | $ 16,807 | $ 14,638 | $ 13,924 | $ 18,571 | $ 16,940 |
| 106 | Depreciation and Amortization | 18,450 | 17,189 | 15,524 | 12,885 | 12,539 |
| 107 | Deferred Taxes | 4,135 | 6,396 | 9,662 | 4,545 | 4,037 |
| 108 | Subtotal | 39,392 | 38,223 | 39,109 | 36,002 | 33,517 |
| 109 | Common Dividends | - | - | 47,000 | 14,000 | - |
| 110 | Cash Flow Coverage of Dividend Ratio | N/A | N/A | 0.83 | 2.57 | N/A |
| | **Common Dividend Payout Ratio** | | | | | |
| 111 | Common Dividends | $ - | $ - | $ 47,000 | $ 14,000 | $ - |
| 112 | Net Income Available for Common | 16,807 | 14,638 | 13,924 | 18,571 | 16,940 |
| 113 | Common Dividend Payout Ratio | N/A | N/A | 338% | 75% | N/A |
| | **Permanent Capitalization** | | | | | |
| 114 | Long-term Debt | $ 150,000 | $ 150,000 | $ 131,522 | $ 89,415 | $ 89,370 |
| 115 | Preferred Stock | - | - | - | - | - |
| 116 | Common Equity | 172,843 | 149,871 | 139,889 | 134,757 | 119,255 |
| 117 | Total Permanent Capital | 322,843 | 299,871 | 271,410 | 224,172 | 208,625 |
| 118 | Long-term Debt Ratio | 46.46% | 50.02% | 48.46% | 39.89% | 42.84% |
| 119 | Preferred Stock Ratio | - | - | - | - | - |
| 120 | Common Equity Ratio | 53.54% | 49.98% | 51.54% | 60.11% | 57.16% |
| 121 | Total Permanent Capital | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% |

[1] Data unavailable. Interest Charges on line 67 reflect total actual interest.

# Schedule B-1

Michigan Public Service Commission
Michigan Gas Utilities
Rate Base
Historical 13 Month Average, December 31, 2022

Case No.: U-21540
Exhibit No.: A-2
Schedule: B-1
Page: 1 of 1
Witness: Anthony Reese

| | | (b) | (c) |
|---|---|---|---|
| Line No. | **Description** | **Source** | **Rate Base ($000)** |
| 1 | | | |
| 2 | Plant in Service | Exh. A-2, Sch. B2 | 585,297 |
| 3 | Plant Held for Future Use | Exh. A-2, Sch. B2 | |
| 4 | Construction Work in Progress | Exh. A-2, Sch. B2 | 18,730 |
| 5 | Total Utility Plant | Sum Lines 2-4 | 604,027 |
| 6 | | | |
| 7 | Less: Depreciation Reserve | Exh. A-2, Sch. B3 | 251,319 |
| 8 | | | |
| 9 | Net Utility Plant | Line 5 + Line 7 | 352,708 |
| 10 | | | |
| 11 | Net Capital Lease Property | | 0 |
| 12 | | | |
| 13 | Total Utility Property and Plant | Line 9 + Line 11 | 352,708 |
| 14 | | | |
| 15 | Less: Capital Lease Obligations | | 0 |
| 16 | | | |
| 17 | Net Plant | Line 13 + Line 15 | 352,708 |
| 18 | | | |
| 19 | Allowance for Working Capital | Exh. A-2, Sch. B4 | 78,685 |
| 20 | | | |
| 21 | Total Rate Base | Line 17 + Line 19 | $ 431,393 |

# Schedule B-2

| | | |
|---|---|---|
| Michigan Public Service Commission | Case No.: | U-21540 |
| Michigan Gas Utilities | Exhibit No.: | A-2 |
| Total Utility Plant | Schedule: | B-2 |
| Historical 13 Month Average, December 31, 2022 | Page: | 1 of 1 |
| | Witness: | Anthony Reese |

| | (a) | (b) | | |
|---|---|---|---|---|
| **Line No.** | **Description** | **MPSC Account No.** | **Source** | **Utility Plant ($000)** |
| 1 | | | Workpaper 3 | |
| 2 | Plant in Service | 101 | | $ 582,165 |
| 3 | Plant purchased or sold | 102 | | |
| 4 | Experimental plant unclassified | 103 | | |
| 5 | Plant leased to others | 104 | | |
| 6 | Completed construction not classified | 106 | | |
| 7 | Gas Stored Base Gas | 117 | | 3,133 |
| 8 | Plant in Service | | | $ 585,297 |
| 9 | | | | |
| 10 | Plant held for future use | 105 | | |
| 11 | | | | |
| 12 | Construction work in progress | 107 | | $ 18,730 |
| 13 | | | | |
| 14 | Total Utility Plant | | | $ 604,027 |

## Schedule B-3

| Michigan Public Service Commission | Case No.: | U-21540 |
|---|---|---|
| Michigan Gas Utilities | Exhibit No.: | A-2 |
| Depreciation Reserve and Other Deductions | Schedule: | B-3 |
| Historical 13 Month Average, December 31, 2022 | Page: | 1 of 1 |
| | Witness: | Anthony Reese |

| Line No. | (a) Description | Source | (b) Accumulated Provision for Depreciation ($000) |
|---|---|---|---|
| 1 | | | |
| 2 | Total Projected Period Accumulated Provision for Depreciation | Workpaper 3 | $ 251,319 |

## Schedule B-4

Michigan Public Service Commission
Michigan Gas Utilities
Working Capital
Historical 13 Month Average, December 31, 2022

Case No.: U-21540
Exhibit No.: A-2
Schedule: B-4
Page: 1 of 1
Witness: Anthony Reese

| Line No. | (a) Description | Source | (b) Projected Working Capital ($000) |
|---|---|---|---|
| 1 | | Workpapers 3&4 2022 | |
| 2 | Assets | | |
| 3 | Utility Plant-ARO | | 1,140 |
| 4 | Accumulated Depreciation-ARO | | (854) |
| 5 | Investments - Pension & Other | | 23,559 |
| 6 | Cash & Cash Equivalents | | 571 |
| 7 | Net Accounts Receivable | | 23,710 |
| 8 | Gas Accrued Revenue | | 11,711 |
| 9 | Gas Storage | | 23,350 |
| 10 | Materials and Supplies | | 1,391 |
| 11 | Prepayments - Other | | 1,302 |
| 12 | Derivative Assets | | 3,417 |
| 13 | Other Current Assets | | 18,641 |
| 14 | Regulatory Assets | | 40,949 |
| 15 | Other Long-term | | 1,628 |
| 16 | Total Assets | | $ 150,517 |
| 17 | | | |
| 18 | Liabilities | | |
| 19 | Accounts Payable | | 22,751 |
| 20 | Accrued Payroll, Vacation, Taxes, & Interest | | 3,524 |
| 21 | Accrued Taxes | | 7,108 |
| 22 | Customer Deposits | | 3 |
| 23 | Miscellaneous Current and Accrued Liabilities | | 8,251 |
| 24 | Regulatory Liabilities | | 8,222 |
| 25 | Asset Removal Obligation | | 2,330 |
| 26 | Post Retirement OPEB and Pension Liability | | 1,768 |
| 27 | Other Deferred Credits | | 17,874 |
| 28 | | | |
| 29 | Total Liabilities | | $ 71,832 |
| 30 | | | |
| 31 | Total Working Capital | | $ 78,685 |

# Schedule C-1

Michigan Public Service Commission
Michigan Gas Utilities
Adjusted Net Operating Income
For the Historical Year Ended December 31, 2022

Case No.: U-21540
Exhibit No.: A-3
Schedule: C-1
Page: 1 of 1
Witness: Anthony Reese

| Line No. | (a) Description | Source | (b) Net Operating Income ($000) |
|---|---|---|---|
| 1 | | | |
| 2 | **Operating Revenues** | Exh. A-3, Sch. C3 | $ 216,229 |
| 3 | | | |
| 4 | **Operating Expenses** | | |
| 5 | Cost of Gas | Exh. A-3, Sch. C4 | 124,779 |
| 6 | Operations and Maintenance Expenses | Exh. A-3, Sch. C5 | 33,176 |
| 7 | Depreciation and Amortization | Exh. A-3, Sch. C6 | 18,450 |
| 8 | General Taxes | Exh. A-3, Sch. C7 | 12,523 |
| 9 | Income Taxes | Exh. A-3, Sch. C8 & C9 | 4,450 |
| 10 | Total Operating Expenses | | $ 193,377 |
| 11 | | | |
| 12 | **Operating Income** | | $ 22,852 |
| 13 | | | |
| 14 | **Operating Income Adjustments** | | |
| 15 | Allowance For Funds Used During Construction | Exh. A-3, Sch. C11 | 684 |
| 16 | Amortization of 2021 deferral ($5.0M over 4 Years) | | (1,250) |
| 17 | Income Tax Effect of Interest | | |
| 18 | Interest Synchronization Adjustment | | |
| 19 | Total Operating Income Adjustments | | $ (566) |
| 20 | | | |
| 21 | **Adjusted Net Operating Income** | | $ 22,286 |

# Schedule C-2

| | |
|---|---|
| Michigan Public Service Commission | Case No.: U-21540 |
| Michigan Gas Utilities | Exhibit No.: A-3 |
| Revenue Conversion Factor | Schedule No.: C-2 |
| For the Historical Year Ended December 31, 2022 | Page: 1 of 1 |
| | Witness: Anthony Reese |

| | (a) | (b) | (c) |
|---|---|---|---|
| Line No. | Description | Calc. Logic/Source | Amount |
| 1 | | | |
| 2 | Income Before Income Taxes | | 100.00% |
| 3 | | | |
| 4 | Michigan Corporate Income Tax Rate | | 6.00% |
| 5 | | | |
| 6 | Federal Income Tax Base | Ln 2 - Ln 4 | 94.00% |
| 7 | | | |
| 8 | Times Federal Income Tax Rate | | 21.00% |
| 9 | | | |
| 10 | Federal Income Tax | Ln 6 x Ln 8 | 19.74% |
| 11 | | | |
| 12 | Income After Taxes | Ln 6 - Ln 10 | 74.26% |
| 13 | | | |
| 14 | Gross Revenue Conversion Factor | Ln 2 / Ln 12 | 1.3466 |

# Schedule C-3

Michigan Public Service Commission
Michigan Gas Utilities
Operating Revenue
For the Historical Year Ended December 31, 2022

Case No.: U-21540
Exhibit No.: A-3
Schedule No.: C-3

Witness: Anthony Reese

| | (a) | (b) | (c) | |
|---|---|---|---|---|
| Line No. | **Description** | **Source** | **Sales Revenue ($000)** | |
| 1 | | | | |
| 2 | Sales Revenue | Workpaper 5 | $ | 215,500 |
| 3 | | | | |
| 4 | Energy Optimization Revenue | | $ | - |
| 5 | | | | |
| 6 | Other Revenues | Workpaper 5 | $ | 729 |
| 7 | | | | |
| 8 | Total Revenue | | $ | 216,229 |

# Schedule C-4

Michigan Public Service Commission
Michigan Gas Utilities
Cost of Gas Sold
For the Historical Year Ened December 31, 2022

Case No.: U-21540
Exhibit No.: A-3
Schedule No.: C-4
Page: 1 of 1
Witness: Anthony Reese

| | (a) | (b) | (c) |
|---|---|---|---|
| Line No. | **Description** | **Source** | **Cost of Gas ($000)** |
| 1 | | | |
| 2 | **Cost of Gas:** | | |
| 3 | Energy | Workpaper 5 | $ 124,779 |
| 4 | Dem-Peak Day (D-1) | | - |
| 5 | Other COG | | - |
| 6 | | | |
| 7 | Total Cost of Gas | | $ 124,779 |

# Schedule C5

| | |
|---|---|
| Michigan Public Service Commission | Case No.: U-21540 |
| Michigan Gas Utilities | Exhibit No.: A-3 |
| Operation and Maintenance Expenses | Schedule No.: C5 |
| For the Historical Year Ened December 31, 2022 | Page: 1 of 1 |
| | Witness: Anthony Reese |

| Line No. | (a) Description | (b) Source | Operation and Maintenance Expenses ($000) |
|---|---|---|---|
| 1 | | | |
| 2 | **Production - Other:** | | |
| 3 | Energy | | - |
| 4 | Dem-Peak Day (D-1) | | - |
| 5 | Other Production | | - |
| 6 | Manufactured Gas Production | *MPSC Report, p.320* | 847 |
| 7 | Gas Supply | Workpaper 5 | 250 |
| 8 | Other COG | | - |
| 9 | | | |
| 10 | **Total Production-Other** | | $ 1,097 |
| 11 | | | |
| 12 | **Operation and Maintenance Expenses:** | | |
| 13 | Storage | *MPSC Report, p.322* | 515 |
| 14 | Transmission | *MPSC Report, p.324* | 814 |
| 15 | Distribution | *MPSC Report, p.324* | 11,231 |
| 16 | Customer Accounts | *MPSC Report, p.324* | 6,595 |
| 17 | Customer Service | *MPSC Report, p.325* | 3,717 |
| 18 | Sales | *MPSC Report, p.325* | 1 |
| 19 | Administration & General | *MPSC Report, p.325* | 9,206 |
| 20 | | | |
| 21 | **Total Operation and Maintenance Expenses** | | $ 32,079 |
| 22 | | | |
| 23 | Total Production-Other and Operation & Maintenance Expenses | | $ 33,176 |

## Schedule C-6

| | |
|---|---|
| Michigan Public Service Commission | Case No.: U-21540 |
| Michigan Gas Utilities | Exhibit No.: A-3 |
| Depreciation and Amortization Expenses | Schedule No.: C-6 |
| For the Historical Year Ended December 31, 2022 | Page: 1 of 1 |
| | Witness: Anthony Reese |

| | (a) | (b) | (c) |
|---|---|---|---|
| Line No. | **Description** | **Source** | **Depreciation & Amortization Expense ($000)** |
| 1 | | | |
| 2 | **Depreciation and Amortization Expense** | | |
| 3 | Depreciation Expense | *MPSC Report, p.114* | $ 14,810 |
| 4 | Amortization Expense | *MPSC Report, p.114* | 3,640 |
| 5 | | | |
| 6 | Total Depreciation and Amortization Expense | | $ 18,450 |

## Schedule C-7

| | |
|---|---|
| Michigan Public Service Commission | Case No.: U-21540 |
| Michigan Gas Utilities | Exhibit No.: A-3 |
| General Taxes | Schedule No.: C-7 |
| For the Historical Year Ened December 31, 2022 | Page: 1 of 1 |
| | Witness: Anthony Reese |

| | (a) | (b) | (c) |
|---|---|---|---|
| Line No. | **Description** | **Source** | **General Taxes ($000)** |
| 1 | | Workpaper 6 | |
| 2 | FEDERAL | | |
| 3 | Payroll Taxes | | $ 986 |
| 4 | Unemployment Comp | | 6 |
| 5 | PR Taxes Credited | | (58) |
| 6 | Super Fund Tax | | - |
| 7 | Highway Use Tax | | - |
| 8 | Federal Excise Tax | | - |
| 9 | | | |
| 10 | STATE | | |
| 11 | Gross Receipts Tax | | - |
| 12 | Unemployment Comp | | 7 |
| 13 | Remain. Assessment | | - |
| 14 | Use Tax | | 4,228 |
| 15 | Unauthor Ins Tax | | - |
| 16 | Wis Recycling Fee | | - |
| 17 | Single Business Tax | | - |
| 18 | Property | | - |
| 19 | | | |
| 20 | LOCAL | | |
| 21 | Real Est & Property | | 7,345 |
| 22 | | | |
| 23 | WBS | | |
| 24 | WBS Payroll Tax | | 9 |
| 25 | | | |
| 26 | OTHER | | |
| 27 | Franchise Tax Fees | | - |
| 28 | State Unitary Fees | | - |
| 29 | | | |
| 30 | Total General Taxes | *MPSC Report, p.114* | $ 12,523 |

# Schedule C-8

| | |
|---|---|
| Michigan Public Service Commission | Case No.: U-21540 |
| Michigan Gas Utilities | Exhibit No.: A-3 |
| Federal Income Taxes | Schedule No.: C-8 |
| For the Historical Year Ended December 31, 2022 | Page: 1 of 1 |
| | Witness: Anthony Reese |

| | (a) | (b) | (c) |
|---|---|---|---|
| Line No. | **Description** | **Source** | **Federal Income Taxes ($000)** |
| 1 | | | |
| 2 | Federal Income Taxes | Workpaper 7 | $ 3,074 |

# Schedule C-9

Michigan Public Service Commission
Michigan Gas Utilities
State Income Taxes
For the Historical Year Ended December 31, 2022

Case No.: U-21540
Exhibit No.: A-3
Schedule No.: C-9
Page: 1 of 1
Witness: Anthony Reese

| | (a) | (b) | (c) |
|---|---|---|---|
| Line No. | **Description** | **Source** | **State Income Taxes ($000)** |
| 1 | | | |
| 2 | State Income Taxes | Workpaper 7 | $ 1,376 |

## Schedule C10

| | | | |
|---|---|---|---|
| Michigan Public Service Commission | | Case No.: | U-21540 |
| Michigan Gas Utilities | | Exhibit No.: | A-3 |
| Other (or Local) Taxes | | Schedule No.: | C10 |
| For the Historical Year Ened December 31, 2022 | | Page: | 1 of 1 |
| | | Witness: | Anthony Reese |

| | (a) | (b) | (c) |
|---|---|---|---|
| Line No. | **Description** | **Source** | **TOTAL** |
| 1 | | | |
| 2 | All Taxes Other than Income are included on Exhibit A-3, Schedule C-7 | | |

## Schedule C11

| | |
|---|---|
| Michigan Public Service Commission | Case No.: U-21540 |
| Michigan Gas Utilities | Exhibit No.: A-3 |
| Allowance for Funds Used During Construction | Schedule No.: C11 |
| For the Historical Year Ened December 31, 2022 | Page: 1 of 1 |
| | Witness: Anthony Reese |

| | (a) | (b) | (c) |
|---|---|---|---|
| Line No. | **Description** | **Source** | **TOTAL** |
| 1 | | | |
| 2 | AFUDC Debt | MPSC Report, p.117 | $ (173) |
| 3 | AFUDC Equity | MPSC Report, p.117 | (511) |
| 4 | | | |
| 5 | Total AFUDC | | $ (684) |

## Schedule D-1

Michigan Public Service Commission
Michigan Gas Utilities
Rate of Return Summary
Historical 13 Month Average, December 31, 2022

Case No.: U-21540
Exhibit No.: A-4
Schedule: D-1
Page: 1 of 1
Witness: Anthony Reese

| Line | (a) | (b) | (c) | (d) | (e) | | (f) | (g) | (h) | (i) |
|---|---|---|---|---|---|---|---|---|---|---|
| | | Capital Structure | | | | | Weighted Cost | | | |
| No. | Description | Amount ($000) (1) | Percent Permanent Capital (2) | Percent of Total Capital | Cost Rate % | | Permanent Capital (2) | Total Cost % | Conversion Factor | Pre-Tax Return |
| 1 | | | | | | | | | | |
| 2 | Long-Term Debt | **$ 149,271** | 46.34% | 34.60% | **3.29%** | (3) | 1.53% | 1.14% | | 1.14% |
| 3 | | | | | | | | | | |
| 4 | Preferred Stock | $ - | 0.00% | 0.00% | 0.00% | (4) | 0.00% | 0.00% | | 0.00% |
| 5 | | | | | | | | | | |
| 6 | Common Shareholders' Equity | **$ 172,843** | 53.66% | 40.07% | **9.85%** | (5) | 5.29% | 3.95% | 1.347 | 5.31% |
| 7 | | | | | | | | | | |
| 8 | Total Permanent Capital | $ 322,114 | 100.00% | | | | 6.81% | | | |
| 9 | | | | | | | | | | |
| 10 | Short-Term Debt | **$ 28,675** | | 6.65% | **3.17%** | (6) | | 0.21% | | 0.21% |
| 11 | | | | | | | | | | |
| 12 | Job Development - ITC - Debt | | | | | | | | | |
| 13 | Job Development - ITC Equity | | | | | | | | | |
| 14 | Total Job Development - ITC | $ - | | 0.00% | 6.81% | | | | | |
| 15 | | | | | | | | | | |
| 16 | Deferred Income Taxes (Net) | **$ 80,605** | | 18.68% | 0.00% | | | 0.00% | | 0.00% |
| 17 | | | | | | | | | | |
| 18 | Deferred Tax Proration | $ 0 | | 0.00% | 6.51% | | | 0.00% | | 0.00% |
| 19 | | | | | | | | | | |
| 20 | Total | $ 431,393 | | 100.00% | | | | 5.30% | | 6.66% |

(1) See Exh. A-2, Sch. B1
(2) Excludes Short-Term Debt, Deferred Job Development Investment Tax Credit, Deferred Investment Tax Credit and Deferred Income Taxes to calculate the rate of return for Job Development Investment Tax Credit purposes in accordance with Internal Revenue Service Income Tax Regulation Section 1.46-6
(3) See Exh. A-4, Sch. D2
(4) Exh. A-4, Sch. D4 is not provided; MGU does not have preferred stock
(5) See Exh. A-4, Sch. D5
(6) See Exh. A-4, Sch. D3

# Schedule D-2

Michigan Public Service Commission
Michigan Gas Utilities
Cost of Long-Term Debt
Historical 13 Month Average, December 31, 2022

Case No.: U-21540
Exhibit No.: A-4
Schedule: D-2
Page: 1 of 1
Witness: Anthony Reese

| | (a) | (b) | (c) | (d) | (e) | (f) | (g) | (h) | (i) | (j) | (k) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Line No. | Description | Original Issue Date | Stated Maturity Date | Interest Rate (%) | Amount of Offering ($000) | Price to Public (%) | Underwriting & Financing Expenses (%) | Net Proceeds to the Company (%) | Cost Based on Net Proceeds (%) | Amount Outstanding ($000) | Annual Cost ($000) |
| 1 | | | | | | | | | | | |
| 2 | **Mortgage Bonds** | | | | | | | | | | |
| 3 | Total Mortgage Bonds | | | | | | | | | $ - | |
| 4 | | | | | | | | | | | |
| 5 | **Other Long-Term Debt** | | | | | | | | | | |
| 6 | | May 01, 2020 | May 01, 2025 | 2.69% | 60,000 | 100% | | 100% | 2.69% | 60,000 | 1,614 |
| 7 | | June 27, 2017 | July 15, 2027 | 3.11% | 30,000 | 100% | - | 100% | 3.11% | 30,000 | 933 |
| 8 | | June 27, 2017 | June 27, 2032 | 3.41% | 30,000 | 100% | - | 100% | 3.41% | 30,000 | 1,023 |
| 9 | | June 27, 2017 | June 27, 2047 | 4.01% | 30,000 | 100% | - | 100% | 4.01% | 30,000 | 1,203 |
| 10 | | | | | | | | | | | |
| 11 | | | | | | | | | | | |
| 12 | Total Other Long-Term Debt | | | | | | | | | $ 150,000 | $ 4,773 |
| 13 | | | | | | | | | | | |
| 14 | Total Long-Term Debt | | | | | | | | | $ 150,000 | |
| 15 | | | | | | | | | | | |
| 16 | Unamortized Debt Discount, Premium, and Expense | | | | | | | | | (729) | 143 |
| 17 | | | | | | | | | | | |
| 18 | Total Long-Term Debt Balance | | | | | | | | | $ 149,271 | $ 4,916 |
| 19 | | | | | | | | | | | |
| 20 | Cost of Long-Term Debt | | | | | | | | | | 3.29% |

## Schedule D-3

| | |
|---|---|
| Michigan Public Service Commission | Case No.: U-21540 |
| Michigan Gas Utilities | Exhibit No.: A-4 |
| Cost of Short-Term Debt | Schedule: D-3 |
| Historical 13 Month Average, December 31, 2022 | Page: 1 of 1 |
| | Witness: Anthony Reese |

| Line No. | (a) Month | (b) Balance Outstanding ($000) | (c) Total Cost ($000) |
|---|---|---|---|
| 1 | | | |
| 2 | Inter-Company Loans | | |
| 3 | Dec | $ 18,800 | |
| 4 | Jan | 25,875 | |
| 5 | Feb | 24,325 | |
| 6 | Mar | 14,175 | |
| 7 | Apr | 7,900 | |
| 8 | May | - | |
| 9 | Jun | 10,700 | |
| 10 | Jul | 24,500 | |
| 11 | Aug | 29,800 | |
| 12 | Sep | 44,200 | |
| 13 | Oct | 56,900 | |
| 14 | Nov | 59,600 | |
| 15 | Dec | 56,000 | |
| 16 | 13 month Average/Total | $ 28,675 | $ 744 |
| 17 | | | |
| 18 | Credit Facility Fees and Amortization | - | 131 |
| 19 | | | |
| 20 | Guarantee Fees | - | 33 |
| 21 | | | |
| 22 | Other | - | - |
| 23 | | | |
| 24 | Total | $ 28,675 | 909 |
| 25 | | | |
| 26 | Average Cost of Short-Term Debt | | 3.17% |

## Schedule D4

| | |
|---|---|
| Michigan Public Service Commission | Case No.: U-21540 |
| Michigan Gas Utilities Corporation | Exhibit No.: A-4 |
| Cost of Preferred Stock | Schedule: D-4 |
| Historical 13 Month Average, December 31, 2022 | Page: 1 of 1 |
| | Witness: Anthony Reese |

| | (a) | (b) | (c) | (d) | (e) | (f) | (g) | (h) | (i) | (j) |
|---|---|---|---|---|---|---|---|---|---|---|
| Line No. | Description | Annual Dividend Required | Par Value | Discount or Premium | Finance Expenses | Net Proceeds Received | Number of Shares Outstanding | Total Value of Outstanding Proceeds | Cost Rate (%) | Annual Dollar Amount |
| 1 | | | | | | | | | | |
| 2 | Michigan Gas Utilities Corporation has no preferred stock outstanding | | | | | | | | | |

# Schedule D-5

| | |
|---|---|
| Michigan Public Service Commission | Case No.: U-21540 |
| Michigan Gas Utilities | Exhibit No.: A-4 |
| Cost of Common Shareholders' Equity | Schedule: D-5 |
| Historical 13 Month Average, December 31, 2022 | Page: 1 of 1 |
| | Witness: Anthony Reese |

| Line No. | | Adjusted Common Stock ($000) | |
|---|---|---|---|
| 1 | | | |
| 2 | Dec | 156,067 | |
| 3 | Jan | 166,342 | |
| 4 | Feb | 171,189 | |
| 5 | Mar | 174,543 | |
| 6 | Apr | 177,050 | |
| 7 | May | 177,263 | |
| 8 | Jun | 176,507 | |
| 9 | Jul | 175,634 | |
| 10 | Aug | 174,875 | |
| 11 | Sep | 173,390 | |
| 12 | Oct | 173,022 | |
| 13 | Nov | 174,384 | |
| 14 | Dec | 176,690 | |
| 15 | | | |
| 16 | Average | $172,843 | 9.85% |

# Schedule E1

| | |
|---|---|
| Michigan Public Service Commission | Case No.: U-21540 |
| Michigan Gas Utilities Corporation | Exhibit No.: A-5 |
| Annual Service Area Sales by Major Customer Classes and System Output | Schedule: E1 |
| 5-Year Historical | Page: 1 of 1 |
| Units in MMcf | Witness: Jared J. Peccarelli |

| Line No. | (a) Year | (b) Residential | (c) Commercial | (d) Industrial | (e) Other | (f) Total | (g) Losses and CU | (h) % of Output | (i) System Output |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2019 | 13,012 | 6,153 | 11,377 | - | 30,543 | (323) | -1.1% | 30,219 |
| 2 | 2020 | 11,184 | 5,271 | 10,362 | - | 26,817 | 891 | 3.3% | 27,709 |
| 3 | 2021 | 13,251 | 6,173 | 12,904 | - | 32,329 | 231 | 0.7% | 32,560 |
| 4 | 2022 | 14,917 | 7,503 | 13,077 | - | 35,497 | 514 | 1.4% | 36,011 |
| 5 | 2023 | 12,437 | 6,588 | 13,394 | - | 32,420 | 572 | 1.8% | 32,992 |

Notes:
1) Commercial includes Small General Service and Medium General Service
2) Industrial includes Large General Service and EUT volumes

# Schedule A-1

Michigan Public Service Commission
Michigan Gas Utilities
Revenue Deficiency (Sufficiency)
Projected 12 Month Period Ending December 31, 2025

Case No.: U-21540
Exhibit No.: A-11
Schedule: A-1
Page: 1 of 1
Witness: Anthony Reese

| Line No. | (a) Description | (b) Source | (c) Total ($000) |
|---|---|---|---|
| 1 | | | |
| 2 | Rate Base | Exh. A-12, Sch. B1 | $ 509,067 |
| 3 | | | |
| 4 | Adjusted Net Operating Income | Exh. A-13, Sch. C1 | 18,603 |
| 5 | | | |
| 6 | Overall Rate of Return | Line 4 ÷ Line 2 | 3.65% |
| 7 | | | |
| 8 | Required Rate of Return | Exh. A-14, Sch. D1 | 6.22% |
| 9 | | | |
| 10 | Income Requirements | Line 2 x Line 8 | 31,655 |
| 11 | | | |
| 12 | Income Deficiency (Sufficiency) | Line 10 - Line 4 | 13,051 |
| 13 | | | |
| 14 | Revenue Conversion Factor | Exh. A-13, Sch. C2 | 1.347 |
| 15 | | | |
| 16 | Revenue Deficiency (Sufficiency) | Line 12 x Line 14 | $ 17,575 |

($000)

Schedule A-2

Michigan Public Service Commission
Michigan Gas Utilities
Ratios
Projected 12 Month Period Ending December 31, 2025

| Line No. | [A] Description | [B] Projected 2025 No Rate Relief | [C] Projected 2025 Full Rate Relief |
|---|---|---|---|
| 1 | Operating Revenue | $ 181,912 | $ 199,487 |
| 2 | Operating Expense | (162,107) | (162,107) |
| 3 | Pre-Tax Operating Income | 19,805 | 37,380 |
| 4 | Income Taxes | (1,522) | (6,044) |
| 5 | Net Operating Income | 18,283 | 31,337 |
| 6 | Tax Impact of Pro-Forma Interest on NOI | - | - |
| | | | |
| 7 | AFUDC | 318 | 318 |
| 8 | Interest Charges | (10,921) | (10,930) |
| 9 | Preferred Stock Dividends | - | - |
| 10 | Net Income Available for Common and JDITC | 7,680 | 20,725 |
| 11 | Return Assignable to JDITC | - | - |
| 12 | Net Income Available for Common | 7,680 | 20,725 |
| 13 | Average Common Equity | 202,137 | 202,137 |
| 14 | Earned Rate of Return on Common Equity | 3.80% | 10.25% |
| 15 | Authorized / Requested Return on Common Equity | 9.85% | 10.25% |
| | | | |
| | **EBIT Interest Coverage Ratio** | | |
| 16 | Pre-Tax Operating Income | $ 19,805 | $ 37,380 |
| 17 | AFUDC | 318 | 318 |
| 18 | Total EBIT | 20,123 | 37,698 |
| 19 | Interest Charges | 10,921 | 10,930 |
| 20 | EBIT Interest Coverage Ratio | 1.84 | 3.45 |
| | | | |
| | **EBITDA Interest Coverage Ratio** | | |
| 21 | Total EBIT | $ 20,123 | $ 37,698 |
| 22 | Depreciation and Amortization | 23,178 | 23,178 |
| 23 | Total EBITDA | 43,302 | 60,877 |
| 24 | Interest Charges | 10,921 | 10,930 |
| 25 | EBITDA Interest Coverage Ratio | 3.96 | 5.57 |
| | | | |
| | **Funds Flow from Operations (FFO) Interest Coverage Ratio** | | |
| 26 | Net Operating Income | $ 7,680 | $ 20,725 |
| 27 | Depreciation and Amortization | 23,178 | 23,178 |
| 28 | Deferred Income Tax | 2,480 | 2,480 |
| 29 | AFUDC | 318 | 318 |
| 30 | Other Major Recurring Non-Cash Items | - | - |
| 31 | Interest Paid | 10,921 | 10,930 |
| 32 | Less: Operating Lease Adjustment to Depreciation | - | - |

($000)

Projected 12 Month Period Ending December 31, 2025



| Line No. | [A] Description | | [B] Projected 2025 No Rate Relief | | [C] Projected 2025 Full Rate Relief |
|---|---|---|---|---|---|
| 33 | Subtotal | | 44,577 | | 57,631 |
| 34 | Interest Charges | | 10,921 | | 10,930 |
| 35 | FFO Interest Coverage Ratio | | 4.08 | | 5.27 |
| | **Overall Fixed Charge Coverage Ratio** | | | | |
| 36 | Net Income Available for Common | $ | 7,680 | $ | 20,725 |
| 37 | Interest Charges | | 10,921 | | 10,930 |
| 38 | Subtotal Numerator | | 18,601 | | 31,655 |
| 39 | Interest Charges | | 10,921 | | 10,930 |
| 40 | Preferred Stock Dividends | | - | | - |
| 41 | Subtotal Denominator | | 10,921 | | 10,930 |
| 42 | Overall Fixed Charge Coverage Ratio | | 1.70 | | 2.90 |
| | **Cash Flow Coverage of Dividends Ratio** | | | | |
| 43 | Net Income Available for Common | $ | 7,680 | $ | 20,725 |
| 44 | Depreciation and Amortization | | 23,178 | | 23,178 |
| 45 | Deferred Taxes | | 2,480 | | 2,480 |
| 46 | Subtotal | | 33,338 | | 46,383 |
| 47 | Common Dividends | | - | | 3,142 |
| 48 | Cash Flow Coverage of Dividend Ratio | | - | | 0.07 |
| | **Common Dividend Payout Ratio** | | | | |
| 49 | Common Dividends | $ | - | $ | 3,142 |
| 50 | Net Income Available for Common | | 7,680 | | 20,725 |
| 51 | Common Dividend Payout Ratio | | 0% | | 15% |
| | **Permanent Capitalization** | | | | |
| 52 | Long-term Debt | $ | 194,988 | $ | 194,988 |
| 53 | Preferred Stock | | - | | - |
| 54 | Common Equity | | 202,137 | | 202,137 |
| 55 | Total Permanent Capital | | 397,125 | | 397,125 |
| | | | | | |
| 56 | Long-term Debt Ratio | | 49.1% | | 49.1% |
| 57 | Preferred Stock Ratio | | 0.0% | | 0.0% |
| 58 | Common Equity Ratio | | 50.9% | | 50.9% |
| 59 | Total Permanent Capital | | 100.0% | | 100.0% |

# Schedule B-1

| | |
|---|---|
| Michigan Public Service Commission | Case No.: U-21540 |
| Michigan Gas Utilities | Exhibit No.: A-12 |
| Projected Rate Base | Schedule: B-1 |
| Projected 13 Month Average, December 31, 2025 | Page: 1 of 1 |
| | Witness: Anthony Reese |

| | | (b) | (c) |
|---|---|---|---|
| Line No. | **Description** | **Source** | **Rate Base ($000)** |
| 1 | | | |
| 2 | Plant in Service | Exh. A-12, Sch. B2 | 735,320 |
| 3 | Plant Held for Future Use | Exh. A-12, Sch. B2 | - |
| 4 | Construction Work in Progress | Exh. A-12, Sch. B2 | 9,728 |
| 5 | Total Utility Plant | Sum Lines 2-4 | 745,048 |
| 6 | | | |
| 7 | Less: Depreciation Reserve | Exh. A-12, Sch. B3 | 292,061 |
| 8 | | | |
| 9 | Net Utility Plant | Line 5 + Line 7 | 452,987 |
| 10 | | | |
| 11 | Net Capital Lease Property | | 0 |
| 12 | | | |
| 13 | Total Utility Property and Plant | Line 9 + Line 11 | 452,987 |
| 14 | | | |
| 15 | Less: Capital Lease Obligations | | 0 |
| 16 | | | |
| 17 | Net Plant | Line 13 + Line 15 | 452,987 |
| 18 | | | |
| 19 | Allowance for Working Capital | Exh. A-12, Sch. B4 | 56,080 |
| 20 | | | |
| 21 | Total Projected Test Period Rate Base | Line 17 + Line 19 | $ 509,067 |

## Schedule B-2

Michigan Public Service Commission
Michigan Gas Utilities
Total Utility Plant
Projected 13 Month Average, December 31, 2025

Case No.: U-21540
Exhibit No.: A-12
Schedule: B-2
Page: 1 of 1
Witness: Anthony Reese

| | (a) | (b) | | |
|---|---|---|---|---|
| Line No. | **Description** | **MPSC Account No.** | **Source** | **Projected Utility Plant ($000)** |
| 1 | | | | |
| 2 | Plant in Service | 101 | | $ 732,187 |
| 3 | Plant purchased or sold | 102 | | |
| 4 | Experimental plant unclassified | 103 | | |
| 5 | Plant leased to others | 104 | | |
| 6 | Completed construction not classified | 106 | | |
| 7 | Gas Stored Base Gas | 117 | | $ 3,133 |
| 8 | Plant in Service | | Workpapers 2025 Page 1 | $ 735,320 |
| 9 | | | | |
| 10 | Plant held for future use | 105 | | |
| 11 | | | | |
| 12 | Construction work in progress | 107 | Workpapers 2025 Page 1 | $ 9,728 |
| 13 | | | | |
| 14 | Total Projected Period Utility Plant | | | $ 745,048 |

## Schedule B-3

Michigan Public Service Commission
Michigan Gas Utilities
Depreciation Reserve and Other Deductions
Projected 13 Month Average, December 31, 2025

Case No.: U-21540
Exhibit No.: A-12
Schedule: B-3
Page: 1 of 1
Witness: Anthony Reese

| | (a) | | (b) |
|---|---|---|---|
| Line No. | **Description** | **Source** | **Projected Accumulated Provision for Depreciation ($000)** |
| 1 | | | |
| 2 | Total Projected Period Accumulated Provision for Depreciation | Workpapers 2025 Page 1 | $ 292,061 |

## Schedule B-4

Michigan Public Service Commission
Michigan Gas Utilities
Working Capital
Projected 13 Month Average, December 31, 2025

Case No.: U-21540
Exhibit No.: A-12
Schedule: B-4
Page: 1 of 1
Witness: Anthony Reese

| Line No. | (a) Description | Source | (b) Projected Working Capital ($000) |
|---|---|---|---|
| 1 | | Workpapers 2025 Page 2 | |
| 2 | Assets | | |
| 3 | Utility Plant-ARO | | (219) |
| 4 | Accumulated Depreciation-ARO | | (838) |
| 5 | Other Investment and Special Funds | | 22,878 |
| 6 | Cash & Cash Equivalents | | (0) |
| 7 | Temporary Cash Investments | | - |
| 8 | Customer A/R | | 26,590 |
| 9 | Accumulated Provision Uncollectible Accounts | | (2,388) |
| 10 | Accounts Receivable from Associated Companies | | 1,756 |
| 11 | Prepayments | | 1,831 |
| 12 | Gas Accrued Revenue | | 10,291 |
| 13 | Gas Storage | | 20,181 |
| 14 | Materials & Supplies | | 2,034 |
| 15 | Derivative Assets | | 2,260 |
| 16 | Other Current Assets | | 3,646 |
| 17 | Other Long Term | | 798 |
| 18 | Other Regulatory Assets | | 30,485 |
| 19 | | | |
| 20 | Total Assets | | $ 119,306 |
| 21 | | | |
| 22 | Liabilities | | |
| 23 | Accounts Payable | | 18,318 |
| 24 | Accrued Payroll, Vacation, Taxes, & Interest | | 4,582 |
| 25 | Accrued Taxes | | 4,551 |
| 26 | Miscellaneous Current and Accrued Liabilities | | 14,401 |
| 27 | Asset Retirement Obligation | | 1,083 |
| 28 | Post Retirement OPEB and Pension Liability | | 1,480 |
| 29 | Other Deferred Credits | | 14,533 |
| 30 | Other Regulatory Liabilities | | 4,279 |
| 31 | | | |
| 32 | Total Liabilities | | $ 63,226 |
| 33 | | | |
| 34 | Total Projected Working Capital | | $ 56,080 |

# Schedule B-5

Miscellaneous Utility
Case No. U-21540

Capital Expenditures Exhibit Index

| | Title | Witness |
|---|---|---|
| *hyperlinked* | **Test Period Capital Expenditures** | |
| A-12 B5 | Summary | |
| A-12 B5.1 | Underground Gas Storage | |
| A-12 B5.2 | Transmission | |
| A-12 B5.3 | Distribution Plant | |
| A-12 B5.4 | General | |
| A-12 B5.5 | Intangible | |

**Schedule B-5**

Michigan Public Service Commission
Michigan Gas Utilities
Summary of Actual and Projected Gas Capital Expenditures
for the years 2022 through December 2025
($000)

Case No.: U-21540
Exhibit No.: A-12
Schedule: B-5
Page: 1 of 1
Witness: Anthony Reese

| | (a) | (b) | (c) | (d) | (e) | (f) | (g) | (h) | (i) | (j) | (k) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Capital Expenditures | | | | | | | | | |
| | | | | | Projected Bridge Years | | | Projected Test Year | | | |
| Line No. | Description | Historical 12 mos. ended 12/31/2022 | Histoical 9 mos. Ended 9/30/2023 | 3 mos. Ending 12/31/2023 | 12 mos. Ending 12/31/2023 | 12 mos. Ending 12/31/2023 | 15 mos. Ending 12/31/2024 | 12 mos. Ending 12/31/2025 | Reference | Last Rate Case Approved Spending Plan U-21366 12 mos. Ended 12/31/2024 [1] | Actual Spending Test Year U-21366 12 mos. Ended 12/31/2024 [1] |
| 1 | | | | | col. (c) + (d) | | col. (d) + (F) | | | | |
| 2 | | | | | | | | | | | |
| 3 | Underground Gas Storage | 937 | 2,490 | 2,979 | 5,470 | 2,472 | 5,451 | 567 | Ex. A-12, Sch B5.1 | xxxxx | xxxxx |
| 4 | Transmission | 12,240 | 880 | 332 | 1,212 | - | 332 | 51 | Ex. A-12, Sch B5.2 | xxxxx | xxxxx |
| 5 | Distribution | 27,643 | 22,271 | 8,084 | 30,355 | 51,973 | 60,057 | 40,576 | Ex. A-12, Sch B5.3 | xxxxx | xxxxx |
| 6 | General | 3,037 | 1,718 | 2,406 | 4,124 | 3,657 | 6,063 | 11,906 | Ex. A-12, Sch B5.4 | xxxxx | xxxxx |
| 7 | Intangible | 2,818 | 3,902 | 1,673 | 5,575 | 5,015 | 6,688 | 3,629 | Ex. A-12, Sch B5.5 | xxxxx | xxxxx |
| | Total Capital Expenditures | $ 46,675 | $ 31,260 | $ 15,475 | $ 46,736 | $ 63,116 | $ 78,591 | $ 56,730 | | $ - | $ - |

[1] Note: The order issued for Case No. U-221366 approved a black box settlement agreement. The approved capital spending identified in the settlement agreement is unknown and inaccessible.

## Schedule B-5.1

Michigan Public Service Commission
Michigan Gas Utilities Corporation
Underground Gas Storage Capital Expenditures
for the years 2022 through December 2025
($000)

Case No.: U-21540
Exhibit No.: A-12
Schedule: B-5.1
Page: 1 of 1
Witness: Anthony Reese

| | (a) | (b) | (c) | (d) | (e) | (f) | (g) | (h) |
|---|---|---|---|---|---|---|---|---|
| | | Capital Expenditures | | | | | | |
| | | Projected Bridge Years | | | | | | Projected Test Year |
| Line No. | Description | Historical 12 mos. ended 12/31/2022 | Histoical 9 mos. Ended 9/30/2023 | 3 mos. Ending 12/31/2023 | 12 mos. Ending 12/31/2023 | 12 mos. Ending 12/31/2023 | 15 mos. Ending 12/31/2024 | 12 mos. Ending 12/31/2025 |
| | | | | | *col. (c) + (d)* | | *col. (d) + (F)* | |
| 1 | **Capital Expenditures** | | | | | | | |
| 2 | Underground Gas Storage | | | | | | | |
| 3 | MGU Gas MI 351, Natural Gas Underground Storage Structures and improvements | 15 | (1) | 16 | 14 | - | 16 | - |
| 4 | MGU Gas MI 352.4, Nat Gas Storage and Processing Plant - Wells-Wells | 696 | 424 | 55 | 480 | 601 | 656 | 312 |
| 5 | MGU Gas MI 354.2, NatGas Underground Storage Compressor station equipment | 212 | 1,703 | 2,822 | 4,525 | 1,611 | 4,434 | - |
| 6 | MGU Gas MI 355.2, Nat Underground Gas Storage Measuring and regulating Equip | 14 | 364 | 86 | 450 | 260 | 346 | 255 |
| 7 | Total Gas Storage | 937 | 2,490 | 2,979 | 5,470 | 2,472 | 5,451 | 567 |

## Schedule B-5.2

Michigan Public Service Commission
Michigan Gas Utilities
Transmission Capital Expenditures
for the years 2022 through December 2025
($000)

Case No.: U-21540
Exhibit No.: A-12
Schedule: B-5.2
Page: 1 of 1
Witness: Anthony Reese

| | (a) | (b) | (c) | (d) | (e) | (f) | (g) | (h) |
|---|---|---|---|---|---|---|---|---|
| | | Capital Expenditures | | | | | | |
| | | | | Projected Bridge Years | | | | Projected Test Year |
| Line No. | Description | Historical 12 mos. ended 12/31/2022 | Histoical 9 mos. Ended 9/30/2023 | 3 mos. Ending 12/31/2023 | 12 mos. Ending 12/31/2023 | 12 mos. Ending 12/31/2024 | 15 mos. Ending 12/31/2024 | 12 mos. Ending 12/31/2025 |
| | | | | | *col. (c) + (d)* | | *col. (d) + (F)* | |
| 1 | Transmission | | | | | | | |
| 2 | MGU Gas MI 366.1, Gas Transmission Structures and improvements | - | 1 | - | 1 | - | - | - |
| 3 | MGU Gas MI 367.1, Gas Transmission Mains | 11,286 | 799 | 332 | 1,131 | - | 332 | 1 |
| 4 | MGU Gas MI 369.3, Gas Transmission Measuring & regulating equipment | 954 | 81 | - | 81 | - | - | 50 |
| 5 | Total Transmission | 12,240 | 880 | 332 | 1,212 | - | 332 | 51 |

# Schedule B-5.3

Michigan Public Service Commission
Michigan Gas Utilities
Distribution Plant Capital Expenditures
for the years 2022 through December 2025
($000)

| | (a) | (b) | (c) | (d) | (e) | (f) |
|---|---|---|---|---|---|---|
| | | Capital Expenditures | | | | |
| | | | | | Projected Bridge Years | |
| Line No. | Description | Historical 12 mos. ended 12/31/2022 | Histoical 9 mos. Ended 9/30/2023 | 3 mos. Ending 12/31/2023 | 12 mos. Ending 12/31/2023 *col. (c) + (d)* | 12 mos. Ending 12/31/2024 |
| 1 | Distribution Plant | | | | | |
| 2 | MGU Gas MI 376.1, Gas Distribution Mains-Gas Mains-Steel | 1,431 | 2,137 | 1,225 | 3,362 | 8,201 |
| 3 | MGU Gas MI 376.2, Gas Distribution Mains-Gas Mains-Plastic | 11,167 | 5,570 | 1,468 | 7,038 | 7,200 |
| 4 | MGU Gas MI 378, Gas Distribution Measuring & Reg equipment | 1,536 | 1,068 | 805 | 1,873 | 700 |
| 5 | MGU Gas MI 379, Gas Distribution City Gate Stations | 50 | 2,186 | - | 2,186 | - |
| 6 | MGU Gas MI 380.1, Gas Distribution Services-Gas Services-Steel | 125 | 137 | 117 | 253 | - |
| 7 | MGU Gas MI 380.2, Gas Distribution Services-Gas Services-Plastic | 6,640 | 5,478 | 1,476 | 6,953 | 6,900 |
| 8 | MGU Gas MI 381, Gas Distribution Meters | 3,120 | 3,432 | 386 | 3,818 | 4,000 |
| 9 | MGU Gas MI 381.2, Gas Distribution Meters-AMR Devices | 2,327 | 569 | 550 | 1,119 | 4,895 |
| 10 | MGU Gas MI 383, Gas Distribution House regulators | 546 | 433 | - | 433 | - |
| 11 | MGU Gas MI 385, Gas Distribution Industrial meas & regulating equp | 36 | 13 | 24 | 37 | 100 |
| 12 | MGU MI Gas Distribution - Main Replacement Rider (MRP) | 665 | 1,249 | 2,034 | 3,283 | 19,977 |

## Schedule B-5.4

Michigan Public Service Commission
Michigan Gas Utilities
General Capital Expenditures
for the years 2022 through December 2025
($000)

| | (a) | (b) | (c) | (d) | (e) | (f) |
|---|---|---|---|---|---|---|
| | | Capital Expenditures | | | | |
| | | | | Projected Bridge Years | | |
| Line No. | Description | Historical 12 mos. ended 12/31/2022 | Histoical 9 mos. Ended 9/30/2023 | 3 mos. Ending 12/31/2023 | 12 mos. Ending 12/31/2023<br>*col. (c) + (d)* | 12 mos. Ending 12/31/2024 |
| 1 | General | | | | | |
| 2 | MGU Gas MI 390, Gas General Structures and improvements | 824 | 273 | 912 | 1,185 | 1,034 |
| 3 | MGU Gas MI 391.1 Office Furniture and Equip | 44 | 0 | - | 0 | - |
| 4 | MGU Gas MI 391.2 Computer Equipment | 191 | 71 | 291 | 362 | 340 |
| 5 | MGU Gas MI 391.2 Server/Network Equipment | 712 | 495 | 316 | 811 | 557 |
| 6 | MGU Gas MI 392.1, Gas General Transportation equipment-Trans Equip | 600 | 343 | 849 | 1,191 | 1,200 |
| 7 | MGU Gas MI 392.2, Gas General Transportation Equipment-Trailers | 43 | - | - | - | - |
| 8 | MGU Gas MI 392.2, Gas General Transportation Equipment-Trailers Wheel Mounted Pw | 157 | 2 | - | 2 | - |
| 9 | MGU Gas MI 394, Gas General Tools, shop and garage equipment | 218 | 443 | 39 | 482 | 415 |
| 10 | MGU Gas MI 396, Gas General Power operated equipment | 251 | 75 | - | 75 | - |
| 11 | MGU Gas MI 397.1, Gas General Communication equipment-Comm Equip | (4) | 16 | - | 16 | 111 |
| 12 | Total General | 3,037 | 1,718 | 2,406 | 4,124 | 3,657 |

# Schedule B-5.5

Michigan Public Service Commission
Michigan Gas Utilities
Intangible Capital Expenditures
for the years 2022 through December 2025
($000)

| | (a) | (b) | (c) | (d) | (e) | (f) |
|---|---|---|---|---|---|---|
| | | Capital Expenditures | | | | |
| | | | | | Projected Bridge Years | |
| Line No. | Description | Historical 12 mos. ended 12/31/2022 | Histoical 9 mos. Ended 9/30/2023 | 3 mos. Ending 12/31/2023 | 12 mos. Ending 12/31/2023<br>*col. (c) + (d)* | 12 mos. Ending 12/31/2024 |
| 1 | Intangible | | | | | |
| 2 | MGU Gas MI Software 303 - 10 year | 344 | 865 | 412 | 1,277 | 1,857 |
| 3 | MGU Gas MI Software 303 - 15 year | 294 | 615 | 634 | 1,250 | 1,379 |
| 4 | MGU Gas MI Software 303 - 3 Year | 97 | 87 | - | 87 | 92 |
| 5 | MGU Gas MI Software 303 - 5 year | 1,889 | 2,334 | 627 | 2,961 | 1,686 |
| 6 | MGU Gas MI Software 303 - 6 Year | 193 | (0) | - | (0) | - |
| 7 | Total Intangible | 2,818 | 3,902 | 1,673 | 5,575 | 5,015 |

## Schedule C-1

Michigan Public Service Commission
Michigan Gas Utilities
Adjusted Net Operating Income
Projected 12 Month Period Ending December 31, 2025

Case No.: U-21540
Exhibit No.: A-13
Schedule: C-1
Page: 1 of 1
Witness: Anthony Reese

| Line No. | (a)<br>Description | Source | (b)<br>Net Operating Income ($000) |
|---|---|---|---|
| 1 | | | |
| 2 | **Operating Revenues** | Exh. A-13, Sch. C3 | $ 181,912 |
| 3 | | | |
| 4 | **Operating Expenses** | | |
| 5 | Cost of Gas | Exh. A-13, Sch. C4 | 85,020 |
| 6 | Operations and Maintenance Expenses | Exh. A-13, Sch. C5 | 41,270 |
| 7 | Depreciation and Amortization | Exh. A-13, Sch. C6 | 23,178 |
| 8 | Regulatory Items, Debits and Credits | | 1,170 |
| 9 | General Taxes | Exh. A-13, Sch. C7 | 11,468 |
| 10 | Income Taxes | Exh. A-13, Sch. C8 & C9 | 1,520 |
| 11 | Total Operating Expenses | | $ 163,627 |
| 12 | | | |
| 13 | **Operating Income** | | $ 18,285 |
| 14 | | | |
| 15 | **Operating Income Adjustments** | | |
| 16 | Allowance For Funds Used During Construction | Exh. A-13, Sch. C11 | 318.06 |
| 17 | Loss on Reacquired Securities | | |
| 18 | Income Tax Effect of Interest | | |
| 19 | Interest Synchronization Adjustment | | |
| 20 | Total Operating Income Adjustments | | $ 318 |
| 21 | | | |
| 22 | **Adjusted Net Operating Income** | | $ 18,603 |

# Schedule C-2

| | | | |
|---|---|---|---|
| Michigan Public Service Commission | | Case No.: | U-21540 |
| Michigan Gas Utilities | | Exhibit No.: | A-13 |
| Projected Revenue Conversion Factor | | Schedule No.: | C-2 |
| | | Page: | 1 of 1 |
| | | Witness: | Anthony Reese |

| | (a) | (b) | (c) |
|---|---|---|---|
| Line No. | **Description** | **Calc. Logic/Source** | **Amount** |
| 1 | | | |
| 2 | Income Before Income Taxes | | 100.00% |
| 3 | | | |
| 4 | Michigan Corporate Income Tax Rate | | 6.00% |
| 5 | | | |
| 6 | Federal Income Tax Base | Ln 2 - Ln 4 | 94.00% |
| 7 | | | |
| 8 | Times Federal Income Tax Rate | | 21.00% |
| 9 | | | |
| 10 | Federal Income Tax | Ln 6 x Ln 8 | 19.74% |
| 11 | | | |
| 12 | Income After Taxes | Ln 6 - Ln 10 | 74.26% |
| 13 | | | |
| 14 | Gross Revenue Conversion Factor | Ln 2 / Ln 12 | 1.347 |

# Schedule C-3

| | |
|---|---|
| Michigan Public Service Commission | Case No.: U-21540 |
| Michigan Gas Utilities | Exhibit No.: A-13 |
| Projected Operating Revenue | Schedule No.: C-3 |
| Projected 12 Month Period Ending December 31, 2025 | Page: 1 of 1 |
| | Witness: Anthony Reese |

| Line No. | (a) Description | (b) Source | (c) Projected Sales Revenue ($000) |
|---|---|---|---|
| 1 | | | |
| 2 | Sales Revenue | Workpapers 2025 Page 4 | $ 180,399 |
| 3 | | | |
| 4 | Energy Optimization Revenue | | $ 0 |
| 5 | | | |
| 6 | Other Revenues | Workpapers 2025 Page 4 | $ 1,513 |
| 7 | | | |
| 8 | Total Revenue | | $ 181,912 |

# Schedule C-4

Michigan Public Service Commission
Michigan Gas Utilities
Cost of Gas Sold
Projected 12 Month Period Ending December 31, 2025

Case No.: U-21540
Exhibit No.: A-13
Schedule No.: C-4
Page: 1 of 1
Witness: Anthony Reese

| Line No. | (a) Description | (b) Source | | (c) Cost of Gas ($000) |
|---|---|---|---|---|
| 1 | | | | |
| 2 | **Cost of Gas:** | | | |
| 3 | Energy | Workpapers 2025 Page 4 | $ | 85,020 |
| 4 | Dem-Peak Day (D-1) | | | - |
| 5 | Other COG | | | - |
| 6 | | | | |
| 7 | Total Cost of Gas | | $ | 85,020 |

## Schedule C5

| | |
|---|---|
| Michigan Public Service Commission | Case No.: U-21540 |
| Michigan Gas Utilities | Exhibit No.: A-3 |
| Projected Operation and Maintenance Expenses | Schedule No.: C5 |
| Projected 12 Month Period Ending December 31, 2025 | Page: 1 of 1 |
| | Witness: Anthony Reese |

| | (a) | (b) | (c) |
|---|---|---|---|
| Line No. | **Description** | **Source** | **Projected 2023 Operation and Maintenance Expenses ($000)** |
| 1 | | | |
| 2 | **Production - Other:** | | |
| 3 | Energy | | - |
| 4 | Dem-Peak Day (D-1) | | - |
| 5 | Other Production | | - |
| 6 | Manufacture Gas Production | Exhibit A-17 Schedule C1 | 681 |
| 7 | Gas Supply | Exhibit A-17 Schedule C1 | 306 |
| 8 | Other COG | | - |
| 9 | | | |
| 10 | **Total Production-Other** | | $ 987 |
| 11 | | | |
| 12 | **Operation and Maintenance Expenses:** | | |
| 13 | Transmission | Exhibit A-17 Schedule C1 | 1,130 |
| 14 | Distribution | Exhibit A-17 Schedule C1 | 15,372 |
| 15 | Storage | Exhibit A-17 Schedule C1 | 734 |
| 16 | Customer Accounts | Exhibit A-17 Schedule C1 | 8,342 |
| 17 | Customer Service | Exhibit A-17 Schedule C1 | 520 |
| 18 | Administration & General | Exhibit A-17 Schedule C1 | 14,186 |
| 19 | Sales | Exhibit A-17 Schedule C1 | - |
| 20 | | | |
| 21 | **Total Operation and Maintenance Expenses** | | $ 40,283 |
| 22 | | | |
| 23 | Total Production-Other and Operation & Maintenance Expenses | | $ 41,270 |

## Schedule C-6

| | | | |
|---|---|---|---|
| Michigan Public Service Commission | | Case No.: | U-21540 |
| Michigan Gas Utilities | | Exhibit No.: | A-13 |
| Projected Depreciation and Amortization Expenses | | Schedule No.: | C-6 |
| Projected 12 Month Period Ending December 31, 2025 | | Page: | 1 of 1 |
| | | Witness: | Anthony Reese |

| | (a) | (b) | (c) |
|---|---|---|---|
| Line No. | **Description** | **Source** | **Projected Depreciation & Amortization Expense ($000)** |
| 1 | | | |
| 2 | **Depreciation and Amortization Expense** | | |
| 3 | Depreciation Expense | Workpapers 2025 Page 5 | $ 23,178 |
| 4 | Amortization Expense | | - |
| 5 | | | |
| 6 | Total Depreciation and Amortization Expense | | $ 23,178 |

# Schedule C-7

Michigan Public Service Commission
Michigan Gas Utilities
Projected General Taxes
Projected 12 Month Period Ending December 31, 2025

Case No.: U-21540
Exhibit No.: A-13
Schedule No.: C-7
Page: 1 of 1
Witness: Anthony Reese

| | (a) | (b) | (c) | |
|---|---|---|---|---|
| Line No. | **Description** | **Source** | **Projected General Taxes ($000)** | |
| 1 | | | | |
| 2 | FEDERAL | | | |
| 3 | Payroll Taxes | Workpapers 2025 Page 6 | $ | 1,269 |
| 4 | Unemployment Comp | | | - |
| 5 | PR Taxes Credited | | | - |
| 6 | Super Fund Tax | | | - |
| 7 | Highway Use Tax | | | - |
| 8 | Federal Excise Tax | | | - |
| 9 | | | | |
| 10 | STATE | | | |
| 11 | Gross Receipts Tax | | $ | - |
| 12 | Unemployment Comp | | | - |
| 13 | Remain. Assessment | | | - |
| 14 | Use Tax | | | - |
| 15 | Unauthor Ins Tax | Workpapers 2025 Page 6 | $ | 28 |
| 16 | Wis Recycling Fee | | | - |
| 17 | Single Business Tax | | | - |
| 18 | Property | Workpapers 2025 Page 6 | $ | 10,171 |
| 19 | | | | |
| 20 | LOCAL | | | |
| 21 | Real Est & Property | | $ | - |
| 22 | | | | |
| 23 | WBS | | | |
| 24 | WBS Payroll Tax | | $ | - |
| 25 | | | | |
| 26 | OTHER | | | |
| 27 | Franchise Tax Fees | | $ | - |
| 28 | State Unitary Fees | | | - |
| 29 | | | | |
| 30 | Total General Taxes | | $ | 11,468 |

# Schedule C-8

| | | | |
|---|---|---|---|
| Michigan Public Service Commission | | Case No.: | U-21540 |
| Michigan Gas Utilities | | Exhibit No.: | A-13 |
| Projected Federal Income Taxes | | Schedule No.: | C-8 |
| Projected 12 Month Period Ending December 31, 2025 | | Page: | 1 of 1 |
| | | Witness: | Anthony Reese |

| | (a) | (b) | (c) |
|---|---|---|---|
| Line No. | **Description** | **Source** | **Projected Federal Income Taxes ($000)** |
| 1 | | | |
| 2 | Federal Income Taxes | Workpapers 2025 Page 7 | $ 1,170 |

# Schedule C-9

| | |
|---|---|
| Michigan Public Service Commission | Case No.: U-21540 |
| Michigan Gas Utilities | Exhibit No.: A-13 |
| Projected State Income Taxes | Schedule No.: C-9 |
| Projected 12 Month Period Ending December 31, 2025 | Page: 1 of 1 |
| | Witness: Anthony Reese |

| | (a) | (b) | (c) |
|---|---|---|---|
| Line No. | **Description** | **Source** | **Projected State Income Taxes ($000)** |
| 1 | | | |
| 2 | State Income Taxes | Workpapers 2025 Page 7 | $ 350 |

## Schedule C10

| | |
|---|---|
| Michigan Public Service Commission | Case No.: U-21540 |
| Michigan Gas Utilities | Exhibit No.: A-13 |
| Other (or Local) Taxes | Schedule No.: C10 |
| Projected 12 Month Period Ending December 31, 2025 | Page: 1 of 1 |
| | Witness: Anthony Reese |

| | (a) | (b) | (c) |
|---|---|---|---|
| Line No. | **Description** | **Source** | **TOTAL** |
| 1 | | | |
| 2 | None | | |

## Schedule C11

| Michigan Public Service Commission | Case No.: | U-21540 |
|---|---|---|
| Michigan Gas Utilities | Exhibit No.: | A-13 |
| Allowance for Funds Used During Construction | Schedule No.: | C11 |
| Projected 12 Month Period Ending December 31, 2025 | Page: | 1 of 1 |
| | Witness: | Anthony Reese |

| | (a) | (b) | (c) |
|---|---|---|---|
| Line No. | **Description** | **Source** | **TOTAL** |
| 1 | | | |
| 2 | AFUDC Debt | | $ 81 |
| 3 | AFUDC Equity | | $ 237 |
| 4 | | | |
| 5 | Total AFUDC | | $ 318 |

## Schedule D-1

Michigan Public Service Commission
Michigan Gas Utilities
Projected Rate of Return Summary
Projected 13 Month Average, December 31, 2025

Case No.: U-21540
Exhibit No.: A-14
Schedule: D-1
Page: 1 of 1
Witness: Anthony Reese

| | (a) | (b) | (c) | (d) | (e) | | (f) | (g) | (h) | (i) |
|---|---|---|---|---|---|---|---|---|---|---|
| | | Capital Structure | | | | | Weighted Cost | | | |
| Line No. | Description | Amount ($000) (1) | Percent Permanent Capital (2) | Percent of Total Capital | Cost Rate % | | Permanent Capital (2) | Total Cost % | Conversion Factor | Pre-Tax Return |
| 1 | | | | | | | | | | |
| 2 | Long-Term Debt | **$ 194,988** | 49.10% | 38.31% | **4.91%** | (3) | 2.41% | 1.88% | | 1.88% |
| 3 | | | | | | | | | | |
| 4 | Preferred Stock | $ - | 0.00% | 0.00% | 0.00% | (4) | 0.00% | 0.00% | | 0.00% |
| 5 | | | | | | | | | | |
| 6 | Common Shareholders' Equity | **$ 202,137** | 50.90% | 39.72% | **10.25%** | (5) | 5.22% | 4.07% | 1.347 | 5.48% |
| 7 | | | | | | | | | | |
| 8 | Total Permanent Capital | $ 397,125 | 100.00% | | | | 7.63% | | | |
| 9 | | | | | | | | | | |
| 10 | Short-Term Debt | **$ 29,695** | | 5.83485% | **4.56%** | (6) | | 0.27% | | 0.27% |
| 11 | | | | | | | | | | |
| 12 | Job Development - ITC - Debt | | | | | | | | | |
| 13 | Job Development - ITC Equity | | | | | | | | | |
| 14 | Total Job Development - ITC | $ - | | 0.00% | 7.63% | | | | | |
| 15 | | | | | | | | | | |
| 16 | Deferred Income Taxes (Net) - Federal | **$ 82,102** | | 16.13% | 0.00% | | | 0.00% | | 0.00% |
| 17 | | | | | | | | | | |
| 18 | Deferred Tax Proration | $ 0 | | 0.00% | 7.41% | | | 0.00% | | 0.00% |
| 19 | | | | | | | | | | |
| 20 | Capital Structure Adjustments | **$ 0** | | 0.00% | 0.00% | | | 0 | | 0.00% |
| 21 | | | | | | | | | | |
| 22 | Total | $ 508,922 | | 100.00% | | | | 6.22% | | 7.63% |
| | Memo Only: | | | | | | | | | |
| | DITC | $ - | | | | | | | | |
| | Liabilities & Equity | $ 508,922 | | | | | | | | |

(1) See Exh. A-12, Sch. B1
(2) Excludes Short-Term Debt, Deferred Job Development Investment Tax Credit, Deferred Investment Tax Credit and Deferred Income Taxes to calculate the rate of return for Job Development Investment Tax Credit purposes in accordance with Internal Revenue Service Income Tax Regulation Section 1.46-6
(3) See Exh. A-14, Sch. D2
(4) Exh. A-14, Sch. D4 is not provided; MGU does not have preferred stock
(5) See Exh. A-14, Sch. D5
(6) See Exh. A-14, Sch. D3

# Schedule D-2

Michigan Public Service Commission
Michigan Gas Utilities
Cost of Long-Term Debt
Projected 13 Month Average, December 31, 2025

Case No.: U-21540
Exhibit No.: A-14
Schedule: D-2
Page: 1 of 1
Witness: Anthony Reese

| Line No. | (a) Description | (b) Original Issue Date | (c) Stated Maturity Date | (d) Interest Rate (%) | (e) Amount of Offering ($000) | (f) Price to Public (%) | (g) Underwriting & Financing Expenses (%) | (h) Net Proceeds to the Company (%) | (i) Cost Based on Net Proceeds (%) | (j) Amount Outstanding ($000) | (k) Annual Cost ($000) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | | | | | | |
| 2 | **Mortgage Bonds** | | | | | | | | | | |
| 3 | Total Mortgage Bonds | | | | | | | | | $ - | |
| 4 | | | | | | | | | | | |
| 5 | **Other Long-Term Debt** | | | | | | | | | | |
| 6 | | June 27, 2017 | July 15, 2027 | 3.11% | 30,000 | 100% | - | 100% | 3.11% | 30,000 | 933 |
| 7 | | June 27, 2017 | July 15, 2032 | 3.41% | 30,000 | 100% | - | 100% | 3.41% | 30,000 | 1,023 |
| 8 | | June 27, 2017 | July 15, 2047 | 4.01% | 30,000 | 100% | - | 100% | 4.01% | 30,000 | 1,203 |
| 9 | | April 2020 | May 1, 2025 | 2.69% | 60,000 | 100% | - | 100% | 2.69% | 23,077 | 542 |
| 10 | | August 2024 | August 2054 | 6.65% | 40,000 | 100% | - | 100% | 6.65% | 40,000 | 2,660 |
| | | May 2025 | May 2055 | 6.65% | 70,000 | 100% | | 100% | 6.65% | 43,077 | 3,103 |
| 11 | | | | | | | | | | | |
| 12 | Total Other Long-Term Debt | | | | | | | | | $ 196,154 | $ 9,465 |
| 13 | | | | | | | | | | | |
| 14 | Total Long-Term Debt | | | | | | | | | $ 196,154 | |
| 15 | | | | | | | | | | | |
| 16 | Unamortized Debt Discount, Premium, and Expense | | | | | | | | | (1,165) | 107 |
| 17 | | | | | | | | | | | |
| 18 | Total Long-Term Debt Balance | | | | | | | | | $ 194,988 | $ 9,572 |
| 19 | | | | | | | | | | | |
| 20 | Cost of Long-Term Debt | | | | | | | | | | 4.91% |

## Schedule D-3

Michigan Public Service Commission
Michigan Gas Utilities
Cost of Short-Term Debt
Projected 13 Month Average, December 31, 2025

Case No.: U-21540
Exhibit No.: A-14
Schedule: D-3
Page: 1 of 1
Witness: Anthony Reese

| | (a) | (b) | (c) |
|---|---|---|---|
| Line No. | **Month** | **Projected Balance Outstanding ($000)** | **Total Cost ($000)** |
| 1 | | | |
| 2 | Inter-Company Loans | | |
| 3 | Dec | $ 33,281 | |
| 4 | Jan | 40,107 | $ 138 |
| 5 | Feb | 34,356 | $ 140 |
| 6 | Mar | 31,438 | $ 123 |
| 7 | Apr | 17,482 | $ 87 |
| 8 | May | 2,444 | $ 35 |
| 9 | Jun | 8,113 | $ 19 |
| 10 | Jul | 29,799 | $ 63 |
| 11 | Aug | 25,833 | $ 93 |
| 12 | Sep | 34,160 | $ 100 |
| 13 | Oct | 45,265 | $ 124 |
| 14 | Nov | 48,120 | $ 146 |
| 15 | Dec | 35,636 | $ 131 |
| 16 | 13 month Average | $ 29,695 | $ 1,198 |
| 17 | | | |
| 18 | Credit Facility Fees and Amortization | - | 120 |
| 19 | | | |
| 20 | Guarantee Fees | - | 20 |
| 21 | | | |
| 22 | Other | - | 18 |
| 23 | | | |
| 24 | Total | $ 29,695 | $ 1,355 |
| 25 | | | |
| 26 | Average Cost of Short-Term Debt | | 4.56% |

**Schedule D4**

| Michigan Public Service Commission | Case No.: | U-21540 |
|---|---|---|
| Michigan Gas Utilities Corporation | Exhibit No.: | A-14 |
| Cost of Preferred Stock | Schedule: | D-4 |
| Projected 13 Month Average, December 31, 2025 | Page: | 1 of 1 |
| | Witness: | Anthony Reese |

| | (a) | (b) | (c) | (d) | (e) | (f) | (g) | (h) | (i) | (j) |
|---|---|---|---|---|---|---|---|---|---|---|
| Line No. | **Description** | **Annual Dividend Required** | **Par Value** | **Discount or Premium** | **Finance Expenses** | **Net Proceeds Received** | **Number of Shares Outstanding** | **Total Value of Outstanding Proceeds** | **Cost Rate (%)** | **Annual Dollar Amount** |
| 1 | | | | | | | | | | |
| 2 | None | | | | | | | | | |

Michigan Public Service Commission
Michigan Gas Utilities
Cost of Common Shareholders' Equity
Projected 13 Month Average, December 31, 2025

Case No.: U-21540
Exhibit No.: A-14
Schedule: D-5

Witness: Anthony Reese

| Line No. | | **Adjusted Common Stock ($000)** | |
|---|---|---|---|
| 1 | | | |
| 2 | Dec | 193,794 | |
| 3 | Jan | 197,287 | |
| 4 | Feb | 204,508 | |
| 5 | Mar | 209,561 | |
| 6 | Apr | 211,070 | |
| 7 | May | 209,352 | |
| 8 | Jun | 205,807 | |
| 9 | Jul | 202,011 | |
| 10 | Aug | 198,180 | |
| 11 | Sep | 195,121 | |
| 12 | Oct | 194,478 | |
| 13 | Nov | 197,548 | |
| 14 | Dec | 209,061 | |
| 15 | | | |
| 16 | Average | $202,137 | 10.25% |

# SUMMARY OF RESULTS

| | | | |
|---|---|---|---|
| ***Constant Growth DCF*** | | | |
| | Minimum Growth Rate | Average Growth Rate | Maximum Growth Rate |
| Mean Results: | | | |
| 30-Day Avg. Stock Price | 9.79% | 10.71% | 11.92% |
| 90-Day Avg. Stock Price | 9.87% | 10.78% | 11.99% |
| 180-Day Avg. Stock Price | 9.70% | 10.62% | 11.83% |
| Average | 9.79% | 10.70% | 11.91% |
| Median Results: | | | |
| 30-Day Avg. Stock Price | 9.90% | 10.17% | 11.76% |
| 90-Day Avg. Stock Price | 9.98% | 10.25% | 11.85% |
| 180-Day Avg. Stock Price | 9.93% | 10.20% | 11.64% |
| Average | 9.94% | 10.21% | 11.75% |

| | | | |
|---|---|---|---|
| ***CAPM / ECAPM / Bond Yield Risk Premium*** | | | |
| | 30-Year Treasury Bond Yield | | |
| | Current 30-Day Avg | Near-Term Projected | Longer-Term Projected |
| CAPM: | | | |
| Current *Value Line* Beta | 11.09% | 11.08% | 11.08% |
| Current Bloomberg Beta | 10.31% | 10.29% | 10.29% |
| Long-term Avg. *Value Line* Beta | 10.12% | 10.10% | 10.10% |
| ECAPM: | | | |
| Current *Value Line* Beta | 11.38% | 11.37% | 11.37% |
| Current Bloomberg Beta | 10.79% | 10.77% | 10.77% |
| Long-term Avg. *Value Line* Beta | 10.64% | 10.63% | 10.63% |
| Bond Yield Risk Premium: | 10.30% | 10.25% | 10.25% |

PROXY GROUP SCREENING DATA AND RESULTS - FINAL PROXY GROUP

| Company | Ticker | [1] Dividends | [2] S&P or Moody's Investment Grade Credit Rating | [3] Covered by More Than 1 Analyst | [4] Positive Growth Rates from at least two sources (Value Line, Yahoo! First Call, and Zacks) | [5] % Regulated Operating Income > 70% | [6] % Regulated Natural Gas Operating Income > 60% | [7] Announced Merger |
|---|---|---|---|---|---|---|---|---|
| Atmos Energy Corporation | ATO | Yes | A- | Yes | Yes | 100.00% | 66.03% | No |
| NiSource Inc. | NI | Yes | BBB+ | Yes | Yes | 100.00% | 65.58% | No |
| Northwest Natural Gas Company | NWN | Yes | A+ | Yes | Yes | 99.84% | 91.01% | No |
| ONE Gas, Inc. | OGS | Yes | A- | Yes | Yes | 100.00% | 100.00% | No |
| Spire, Inc. | SR | Yes | A- | Yes | Yes | 86.84% | 100.00% | No |

Notes:
[1] Bloomberg Professional
[2] Bloomberg Professional
[3] Yahoo! Finance, Value Line Investment Survey, and Zacks
[4]-[5]: Form 10-K's for 2022, 2020, and 2021
[6] S&P Capital IQ news releases

**30-DAY CONSTANT GROWTH DCF**

| Company | | [1] Annualized Dividend | [2] Stock Price | [3] Dividend Yield | [4] Expected Dividend Yield | [5] Value Line Projected EPS Growth Rate | [6] Yahoo! Finance Projected EPS Growth Rate | [7] Zacks Projected EPS Growth Rate | [8] Average Projected EPS Growth Rate | [9] Cost of Equity: Minimum Growth Rate | [10] Cost of Equity: Mean Growth Rate | [11] Cost of Equity: Maximum Growth Rate |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Atmos Energy Corporation | ATO | $3.22 | $115.04 | 2.80% | 2.90% | 7.00% | 7.50% | 7.30% | 7.27% | 9.90% | 10.17% | 10.40% |
| NiSource Inc. | NI | $1.00 | $26.31 | 3.80% | 3.96% | 9.50% | 8.30% | 7.20% | 8.33% | 11.14% | 12.29% | 13.48% |
| Northwest Natural Gas Company | NWN | $1.95 | $38.25 | 5.10% | 5.21% | 6.50% | 2.80% | 3.70% | 4.33% | 7.97% | 9.54% | 11.76% |
| ONE Gas, Inc. | OGS | $2.60 | $62.39 | 4.17% | 4.28% | 6.50% | 5.00% | 5.00% | 5.50% | 9.27% | 9.78% | 10.80% |
| Spire, Inc. | SR | $3.02 | $61.03 | 4.95% | 5.11% | 8.00% | 6.36% | 5.60% | 6.65% | 10.69% | 11.77% | 13.15% |
| Mean | | | | | | | | | | 9.79% | 10.71% | 11.92% |
| Median | | | | | | | | | | 9.90% | 10.17% | 11.76% |

Notes:
[1] Bloomberg Professional as of January 31 2024
[2] Bloomberg Professional 30-day average as of January 31, 2024
[3] Equals [1]/[2]
[4] Equals [3] x (1 + 0.5 x [8])
[5] Value Line
[6] Yahoo! Finance
[7] Zacks
[8] Equals average of [5], [6], [7]
[9] Equals [3] x (1 + 0.5 x (min([5], [6], [7])) + (min([5], [6], [7])
[10] Equals [4] + [8]
[11] Equals [3] x (1 + 0.5 x (max([5], [6], [7])) + (max([5], [6], [7])

**90-DAY CONSTANT GROWTH DCF**

| | | [1] | [2] | [3] | [4] | [5] | [6] | [7] | [8] | [9] | [10] | [11] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Company | | Annualized Dividend | Stock Price | Dividend Yield | Expected Dividend Yield | Value Line Projected EPS Growth Rate | Yahoo! Finance Projected EPS Growth Rate | Zacks Projected EPS Growth Rate | Average Projected EPS Growth Rate | Cost of Equity: Minimum Growth Rate | Cost of Equity: Mean Growth Rate | Cost of Equity: Maximum Growth Rate |
| Atmos Energy Corporation | ATO | $3.22 | $111.87 | 2.88% | 2.98% | 7.00% | 7.50% | 7.30% | 7.27% | 9.98% | 10.25% | 10.49% |
| NiSource Inc. | NI | $1.00 | $25.76 | 3.88% | 4.04% | 9.50% | 8.30% | 7.20% | 8.33% | 11.22% | 12.38% | 13.57% |
| Northwest Natural Gas Company | NWN | $1.95 | $37.60 | 5.19% | 5.30% | 6.50% | 2.80% | 3.70% | 4.33% | 8.06% | 9.63% | 11.85% |
| ONE Gas, Inc. | OGS | $2.60 | $63.04 | 4.12% | 4.24% | 6.50% | 5.00% | 5.00% | 5.50% | 9.23% | 9.74% | 10.76% |
| Spire, Inc. | SR | $3.02 | $59.22 | 5.10% | 5.27% | 8.00% | 6.36% | 5.60% | 6.65% | 10.84% | 11.92% | 13.30% |
| Mean | | | | | | | | | | 9.87% | 10.78% | 11.99% |
| Median | | | | | | | | | | 9.98% | 10.25% | 11.85% |

Notes:
[1] Bloomberg Professional as of January 31 2024
[2] Bloomberg Professional 90-day average as of January 31, 2024
[3] Equals [1]/[2]
[4] Equals [3] x (1 + 0.5 x [8])
[5] Value Line
[6] Yahoo! Finance
[7] Zacks
[8] Equals average of [5], [6], [7]
[9] Equals [3] x (1 + 0.5 x (min([5], [6], [7])) + (min([5], [6], [7])
[10] Equals [4] + [8]
[11] Equals [3] x (1 + 0.5 x (max([5], [6], [7])) + (max([5], [6], [7])

**180-DAY CONSTANT GROWTH DCF**

| Company | | [1] Annualized Dividend | [2] Stock Price | [3] Dividend Yield | [4] Expected Dividend Yield | [5] Value Line Projected EPS Growth Rate | [6] Yahoo! Finance Projected EPS Growth Rate | [7] Zacks Projected EPS Growth Rate | [8] Average Projected EPS Growth Rate | [9] Cost of Equity: Minimum Growth Rate | [10] Cost of Equity: Mean Growth Rate | [11] Cost of Equity: Maximum Growth Rate |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Atmos Energy Corporation | ATO | $3.22 | $113.76 | 2.83% | 2.93% | 7.00% | 7.50% | 7.30% | 7.27% | 9.93% | 10.20% | 10.44% |
| NiSource Inc. | NI | $1.00 | $26.27 | 3.81% | 3.97% | 9.50% | 8.30% | 7.20% | 8.33% | 11.14% | 12.30% | 13.49% |
| Northwest Natural Gas Company | NWN | $1.95 | $39.17 | 4.98% | 5.09% | 6.50% | 2.80% | 3.70% | 4.33% | 7.85% | 9.42% | 11.64% |
| ONE Gas, Inc. | OGS | $2.60 | $69.55 | 3.74% | 3.84% | 6.50% | 5.00% | 5.00% | 5.50% | 8.83% | 9.34% | 10.36% |
| Spire, Inc. | SR | $3.02 | $60.12 | 5.02% | 5.19% | 8.00% | 6.36% | 5.60% | 6.65% | 10.76% | 11.84% | 13.22% |
| Mean | | | | | | | | | | 9.70% | 10.62% | 11.83% |
| Median | | | | | | | | | | 9.93% | 10.20% | 11.64% |

Notes:
[1] Bloomberg Professional as of January 31 2024
[2] Bloomberg Professional 180-day average as of January 31, 2024
[3] Equals [1]/[2]
[4] Equals [3] x (1 + 0.5 x [8])
[5] Value Line
[6] Yahoo! Finance
[7] Zacks
[8] Equals average of [5], [6], [7]
[9] Equals [3] x (1 + 0.5 x (min([5], [6], [7])) + (min([5], [6], [7])
[10] Equals [4] + [8]
[11] Equals [3] x (1 + 0.5 x (max([5], [6], [7])) + (max([5], [6], [7])

**CAPITAL ASSET PRICING MODEL**
**CURRENT RISK FREE RATE AND VALUE LINE BETA**

$$K = Rf + \beta\ (Rm - Rf)$$
$$K = Rf + 0.25 \times (Rm - Rf) + 0.75 \times \beta \times (Rm - Rf)$$

| | | [1] | [2] | [3] | [4] | [5] | [6] |
|---|---|---|---|---|---|---|---|
| Company | Ticker | Current 30-day average of 30-year U.S. Treasury bond yield | Beta (β) | Market Return (Rm) | Market Risk Premium (Rm − Rf) | CAPM ROE (K) | ECAPM ROE (K) |
| Atmos Energy Corporation | ATO | 4.19% | 0.85 | 12.22% | 8.03% | 11.01% | 11.32% |
| NiSource Inc. | NI | 4.19% | 0.90 | 12.22% | 8.03% | 11.42% | 11.62% |
| Northwest Natural Gas Company | NWN | 4.19% | 0.85 | 12.22% | 8.03% | 11.01% | 11.32% |
| ONE Gas, Inc. | OGS | 4.19% | 0.85 | 12.22% | 8.03% | 11.01% | 11.32% |
| Spire, Inc. | SR | 4.19% | 0.85 | 12.22% | 8.03% | 11.01% | 11.32% |
| Mean | | | | | | 11.09% | 11.38% |
| Median | | | | | | 11.01% | 11.32% |

Notes:
[1] Bloomberg Professional 30-day average as of January 31, 2024
[2] Value Line
[3] MGUC Schedule D11
[4] Equals [3]-[1]
[5] Equals [1] + [2] x [4]
[6] Equals [1] + 0.25 x ([4]) + 0.75 x ([2] x [4])

## CAPITAL ASSET PRICING MODEL
## NEAR TERM PROJECTED RISK-FREE RATE AND VALUE LINE BETA

$$K = Rf + \beta\ (Rm - Rf)$$
$$K = Rf + 0.25 \times (Rm - Rf) + 0.75 \times \beta \times (Rm - Rf)$$

| | | [1] | [2] | [3] | [4] | [5] | [6] |
|---|---|---|---|---|---|---|---|
| Company | Ticker | Near-term projected 30-year U.S. Treasury bond yield (Q1 2024 - Q2 2025) | Beta (β) | Market Return (Rm) | Market Risk Premium (Rm − Rf) | CAPM ROE (K) | ECAPM ROE (K) |
| Atmos Energy Corporation | ATO | 4.10% | 0.85 | 12.22% | 8.12% | 11.00% | 11.31% |
| NiSource Inc. | NI | 4.10% | 0.90 | 12.22% | 8.12% | 11.41% | 11.61% |
| Northwest Natural Gas Company | NWN | 4.10% | 0.85 | 12.22% | 8.12% | 11.00% | 11.31% |
| ONE Gas, Inc. | OGS | 4.10% | 0.85 | 12.22% | 8.12% | 11.00% | 11.31% |
| Spire, Inc. | SR | 4.10% | 0.85 | 12.22% | 8.12% | 11.00% | 11.31% |
| Mean | | | | | | 11.08% | 11.37% |
| Median | | | | | | 11.00% | 11.31% |

Notes:
[1] Blue Chip Financial Forecasts, Vol. 43, No. 2, February 1, 2024, at 2
[2] Value Line
[3] MGUC Schedule D11
[4] Equals [3]-[1]
[5] Equals [1] + [2] x [4]
[6] Equals [1] + 0.25 x ([4]) + 0.75 x ([2] x [4])

**CAPITAL ASSET PRICING MODEL**
**LONG-TERM PROJECTED RISK-FREE RATE AND VALUE LINE BETA**

$$K = Rf + \beta\ (Rm - Rf)$$
$$K = Rf + 0.25 \times (Rm - Rf) + 0.75 \times \beta \times (Rm - Rf)$$

| | | [1] | [2] | [3] | [4] | [5] | [6] |
|---|---|---|---|---|---|---|---|
| Company | Ticker | Projected 30-year U.S. Treasury bond yield (2025 - 2029) | Beta (β) | Market Return (Rm) | Market Risk Premium (Rm − Rf) | CAPM ROE (K) | ECAPM ROE (K) |
| Atmos Energy Corporation | ATO | 4.10% | 0.85 | 12.22% | 8.12% | 11.00% | 11.31% |
| NiSource Inc. | NI | 4.10% | 0.90 | 12.22% | 8.12% | 11.41% | 11.61% |
| Northwest Natural Gas Company | NWN | 4.10% | 0.85 | 12.22% | 8.12% | 11.00% | 11.31% |
| ONE Gas, Inc. | OGS | 4.10% | 0.85 | 12.22% | 8.12% | 11.00% | 11.31% |
| Spire, Inc. | SR | 4.10% | 0.85 | 12.22% | 8.12% | 11.00% | 11.31% |
| Mean | | | | | | 11.08% | 11.37% |
| Median | | | | | | 11.00% | 11.31% |

Notes:
[1] Blue Chip Financial Forecasts, Vol. 42, No. 12, December 1, 2023, at 14
[2] Value Line
[3] MGUC Schedule D11
[4] Equals [3]-[1]
[5] Equals [1] + [2] x [4]
[6] Equals [1] + 0.25 x ([4]) + 0.75 x ([2] x [4])

**CAPITAL ASSET PRICING MODEL**
**CURRENT RISK FREE RATE AND BLOOMBERG BETA**

$$K = Rf + \beta\ (Rm - Rf)$$
$$K = Rf + 0.25 \times (Rm - Rf) + 0.75 \times \beta \times (Rm - Rf)$$

| | | [1] | [2] | [3] | [4] | [5] | [6] |
|---|---|---|---|---|---|---|---|
| Company | Ticker | Current 30-day average of 30-year U.S. Treasury bond yield | Beta (β) | Market Return (Rm) | Market Risk Premium (Rm − Rf) | CAPM ROE (K) | ECAPM ROE (K) |
| Atmos Energy Corporation | ATO | 4.19% | 0.75 | 12.22% | 8.03% | 10.23% | 10.72% |
| NiSource Inc. | NI | 4.19% | 0.81 | 12.22% | 8.03% | 10.66% | 11.05% |
| Northwest Natural Gas Company | NWN | 4.19% | 0.70 | 12.22% | 8.03% | 9.83% | 10.42% |
| ONE Gas, Inc. | OGS | 4.19% | 0.78 | 12.22% | 8.03% | 10.47% | 10.91% |
| Spire, Inc. | SR | 4.19% | 0.77 | 12.22% | 8.03% | 10.37% | 10.83% |
| Mean | | | | | | 10.31% | 10.79% |
| Median | | | | | | 10.37% | 10.83% |

Notes:
[1] Bloomberg Professional 30-day average as of January 31, 2024
[2] Bloomberg Professional
[3] MGUC Schedule D11
[4] Equals [3]-[1]
[5] Equals [1] + [2] x [4]
[6] Equals [1] + 0.25 x ([4]) + 0.75 x ([2] x [4])

**CAPITAL ASSET PRICING MODEL**
**NEAR TERM PROJECTED RISK-FREE RATE AND BLOOMBERG BETA**

$$K = Rf + \beta\ (Rm - Rf)$$
$$K = Rf + 0.25 \times (Rm - Rf) + 0.75 \times \beta \times (Rm - Rf)$$

| | | [1] | [2] | [3] | [4] | [5] | [6] |
|---|---|---|---|---|---|---|---|
| Company | Ticker | Near-term projected 30-year U.S. Treasury bond yield (Q1 2024 - Q2 2025) | Beta (β) | Market Return (Rm) | Market Risk Premium (Rm − Rf) | CAPM ROE (K) | ECAPM ROE (K) |
| Atmos Energy Corporation | ATO | 4.10% | 0.75 | 12.22% | 8.12% | 10.21% | 10.71% |
| NiSource Inc. | NI | 4.10% | 0.81 | 12.22% | 8.12% | 10.65% | 11.04% |
| Northwest Natural Gas Company | NWN | 4.10% | 0.70 | 12.22% | 8.12% | 9.80% | 10.40% |
| ONE Gas, Inc. | OGS | 4.10% | 0.78 | 12.22% | 8.12% | 10.45% | 10.90% |
| Spire, Inc. | SR | 4.10% | 0.77 | 12.22% | 8.12% | 10.35% | 10.82% |
| Mean | | | | | | 10.29% | 10.77% |
| Median | | | | | | 10.35% | 10.82% |

Notes:
[1] Blue Chip Financial Forecasts, Vol. 43, No. 2, February 1, 2024, at 2
[2] Bloomberg Professional
[3] MGUC Schedule D11
[4] Equals [3]-[1]
[5] Equals [1] + [2] x [4]
[6] Equals [1] + 0.25 x ([4]) + 0.75 x ([2] x [4])

**CAPITAL ASSET PRICING MODEL**
**LONG-TERM PROJECTED RISK-FREE RATE AND BLOOMBERG BETA**

$$K = Rf + \beta\ (Rm - Rf)$$
$$K = Rf + 0.25 \times (Rm - Rf) + 0.75 \times \beta \times (Rm - Rf)$$

| | | [1] | [2] | [3] | [4] | [5] | [6] |
|---|---|---|---|---|---|---|---|
| Company | Ticker | Projected 30-year U.S. Treasury bond yield (2025 - 2029) | Beta (β) | Market Return (Rm) | Market Risk Premium (Rm − Rf) | CAPM ROE (K) | ECAPM ROE (K) |
| Atmos Energy Corporation | ATO | 4.10% | 0.75 | 12.22% | 8.12% | 10.21% | 10.71% |
| NiSource Inc. | NI | 4.10% | 0.81 | 12.22% | 8.12% | 10.65% | 11.04% |
| Northwest Natural Gas Company | NWN | 4.10% | 0.70 | 12.22% | 8.12% | 9.80% | 10.40% |
| ONE Gas, Inc. | OGS | 4.10% | 0.78 | 12.22% | 8.12% | 10.45% | 10.90% |
| Spire, Inc. | SR | 4.10% | 0.77 | 12.22% | 8.12% | 10.35% | 10.82% |
| Mean | | | | | | 10.29% | 10.77% |
| Median | | | | | | 10.35% | 10.82% |

Notes:
[1] Blue Chip Financial Forecasts, Vol. 42, No. 12, December 1, 2023, at 14
[2] Bloomberg Professional
[3] MGUC Schedule D11
[4] Equals [3]-[1]
[5] Equals [1] + [2] x [4]
[6] Equals [1] + 0.25 x ([4]) + 0.75 x ([2] x [4])

**CAPITAL ASSET PRICING MODEL**
**CURRENT RISK FREE RATE AND LONG-TERM VALUE LINE BETA**

$$K = Rf + \beta\ (Rm - Rf)$$
$$K = Rf + 0.25 \times (Rm - Rf) + 0.75 \times \beta \times (Rm - Rf)$$

| | | [1] | [2] | [3] | [4] | [5] | [6] |
|---|---|---|---|---|---|---|---|
| Company | Ticker | Current 30-day average of 30-year U.S. Treasury bond yield | Beta (β) | Market Return (Rm) | Market Risk Premium (Rm − Rf) | CAPM ROE (K) | ECAPM ROE (K) |
| Atmos Energy Corporation | ATO | 4.19% | 0.75 | 12.22% | 8.03% | 10.21% | 10.71% |
| NiSource Inc. | NI | 4.19% | 0.76 | 12.22% | 8.03% | 10.26% | 10.75% |
| Northwest Natural Gas Company | NWN | 4.19% | 0.71 | 12.22% | 8.03% | 9.88% | 10.47% |
| ONE Gas, Inc. | OGS | 4.19% | 0.74 | 12.22% | 8.03% | 10.11% | 10.64% |
| Spire, Inc. | SR | 4.19% | 0.74 | 12.22% | 8.03% | 10.14% | 10.66% |
| Mean | | | | | | 10.12% | 10.64% |
| Median | | | | | | 10.14% | 10.66% |

Notes:
[1] Bloomberg Professional 30-day average as of January 31, 2024
[2] MGUC Schedule D10
[3] MGUC Schedule D11
[4] Equals [3]-[1]
[5] Equals [1] + [2] x [4]
[6] Equals [1] + 0.25 x ([4]) + 0.75 x ([2] x [4])

## CAPITAL ASSET PRICING MODEL
## NEAR-TERM PROJECTED RISK FREE RATE AND LONG-TERM VALUE LINE BETA

$$K = Rf + \beta\ (Rm - Rf)$$
$$K = Rf + 0.25 \times (Rm - Rf) + 0.75 \times \beta \times (Rm - Rf)$$

| | | [1] | [2] | [3] | [4] | [5] | [6] |
|---|---|---|---|---|---|---|---|
| Company | Ticker | Near-term projected 30-year U.S. Treasury bond yield (Q1 2024 - Q2 2025) | Beta (β) | Market Return (Rm) | Market Risk Premium (Rm − Rf) | CAPM ROE (K) | ECAPM ROE (K) |
| Atmos Energy Corporation | ATO | 4.10% | 0.75 | 12.22% | 8.12% | 10.19% | 10.70% |
| NiSource Inc. | NI | 4.10% | 0.76 | 12.22% | 8.12% | 10.23% | 10.73% |
| Northwest Natural Gas Company | NWN | 4.10% | 0.71 | 12.22% | 8.12% | 9.86% | 10.45% |
| ONE Gas, Inc. | OGS | 4.10% | 0.74 | 12.22% | 8.12% | 10.09% | 10.62% |
| Spire, Inc. | SR | 4.10% | 0.74 | 12.22% | 8.12% | 10.12% | 10.64% |
| Mean | | | | | | 10.10% | 10.63% |
| Median | | | | | | 10.12% | 10.64% |

Notes:
[1] Blue Chip Financial Forecasts, Vol. 43, No. 2, February 1, 2024, at 2
[2] MGUC Schedule D10
[3] MGUC Schedule D11
[4] Equals [3]-[1]
[5] Equals [1] + [2] x [4]
[6] Equals [1] + 0.25 x ([4]) + 0.75 x ([2] x [4])

**CAPITAL ASSET PRICING MODEL**
**LONG-TERM PROJECTED RISK FREE RATE AND LONG-TERM VALUE LINE BETA**

$$K = Rf + \beta\ (Rm - Rf)$$
$$K = Rf + 0.25 \times (Rm - Rf) + 0.75 \times \beta \times (Rm - Rf)$$

| | | [1] | [2] | [3] | [4] | [5] | [6] |
|---|---|---|---|---|---|---|---|
| Company | Ticker | Projected 30-year U.S. Treasury bond yield (2025 - 2029) | Beta (β) | Market Return (Rm) | Market Risk Premium (Rm − Rf) | CAPM ROE (K) | ECAPM ROE (K) |
| Atmos Energy Corporation | ATO | 4.10% | 0.75 | 12.22% | 8.12% | 10.19% | 10.70% |
| NiSource Inc. | NI | 4.10% | 0.76 | 12.22% | 8.12% | 10.23% | 10.73% |
| Northwest Natural Gas Company | NWN | 4.10% | 0.71 | 12.22% | 8.12% | 9.86% | 10.45% |
| ONE Gas, Inc. | OGS | 4.10% | 0.74 | 12.22% | 8.12% | 10.09% | 10.62% |
| Spire, Inc. | SR | 4.10% | 0.74 | 12.22% | 8.12% | 10.12% | 10.64% |
| Mean | | | | | | 10.10% | 10.63% |
| Median | | | | | | 10.12% | 10.64% |

Notes:
[1] Blue Chip Financial Forecasts, Vol. 42, No. 12, December 1, 2023, at 14
[2] MGUC Schedule D10
[3] MGUC Schedule D11
[4] Equals [3]-[1]
[5] Equals [1] + [2] x [4]
[6] Equals [1] + 0.25 x ([4]) + 0.75 x ([2] x [4])

**HISTORICAL VALUE LINE BETA**

| | | [1] | [2] | [3] | [4] | [5] | [6] | [7] | [8] | [9] | [10] | [11] | [12] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Company | Ticker | 12/31/2013 | 12/31/2014 | 12/31/2015 | 12/31/2016 | 12/31/2017 | 12/31/2018 | 12/31/2019 | 12/31/2020 | 12/31/2021 | 12/31/2022 | 12/31/2023 | Average |
| Atmos Energy Corporation | ATO | 0.80 | 0.80 | 0.80 | 0.70 | 0.70 | 0.60 | 0.60 | 0.80 | 0.80 | 0.80 | 0.85 | 0.75 |
| NiSource Inc. | NI | 0.85 | 0.85 | NMF | NMF | 0.60 | 0.50 | 0.55 | 0.85 | 0.85 | 0.85 | 0.90 | 0.76 |
| Northwest Natural Gas Company | NWN | 0.65 | 0.7 | 0.65 | 0.65 | 0.70 | 0.60 | 0.60 | 0.80 | 0.85 | 0.80 | 0.80 | 0.71 |
| ONE Gas, Inc. | OGS | NA | NA | NA | 0.70 | 0.70 | 0.65 | 0.65 | 0.80 | 0.80 | 0.80 | 0.80 | 0.74 |
| Spire, Inc. | SR | 0.65 | 0.7 | 0.7 | 0.70 | 0.70 | 0.65 | 0.65 | 0.85 | 0.85 | 0.85 | 0.85 | 0.74 |
| Mean | | 0.74 | 0.76 | 0.72 | 0.69 | 0.68 | 0.60 | 0.61 | 0.82 | 0.83 | 0.82 | 0.84 | 0.74 |

Notes:
[1] Value Line, dated December 26, 2013.
[2] Value Line, dated December 31, 2014.
[3] Value Line, dated December 30, 2015.
[4] Value Line, dated December 29, 2016.
[5] Value Line, dated December 28, 2017.
[6] Value Line, dated December 27, 2018.
[7] Value Line, dated December 26, 2019.
[8] Value Line, dated December 30, 2020.
[9] Value Line, dated December 29, 2021.
[10] Value Line, dated December 30, 2022.
[11] Value Line, Dated December 29, 2023.
[12] Average ([1] - [11]).

**MARKET RISK PREMIUM DERIVED FROM S&P 500 INDEX**

| | |
|---|---|
| [1] Estimate of the S&P 500 Dividend Yield | 1.63% |
| [2] Estimate of the S&P 500 Growth Rate | 10.51% |
| [3] S&P 500 Estimated Required Market Return | 12.22% |

| | | [4] | [5] | [6] | [7] | [8] | [9] | [10] | [11] |
|---|---|---|---|---|---|---|---|---|---|
| Name | Ticker | Shares Outst'g | Price | Market Capitalization | Weight in Index | Estimated Dividend Yield | Cap-Weighted Dividend Yield | Bloomberg Long-Term Growth Est. | Cap-Weighted Long-Term Growth Est. |
| LyondellBasell Industries NV | LYB | 324.36 | 94.12 | 30,528.95 | 0.10% | 5.31% | 0.01% | 8.00% | 0.01% |
| American Express Co | AXP | 723.00 | 200.74 | 145,135.02 | 0.46% | 1.20% | 0.01% | 14.17% | 0.06% |
| Verizon Communications Inc | VZ | 4,204.00 | 42.35 | 178,039.40 | | 6.28% | | -4.10% | |
| Broadcom Inc | AVGO | 468.14 | 1,180.00 | 552,406.38 | 1.75% | 1.78% | 0.03% | 13.90% | 0.24% |
| Boeing Co/The | BA | 610.14 | 211.04 | 128,762.89 | | | | | |
| Caterpillar Inc | CAT | 509.09 | 300.31 | 152,883.32 | 0.48% | 1.73% | 0.01% | 20.00% | 0.10% |
| JPMorgan Chase & Co | JPM | 2,891.01 | 174.36 | 504,076.15 | 1.59% | 2.41% | 0.04% | 2.00% | 0.03% |
| Chevron Corp | CVX | 1,887.75 | 147.43 | 278,310.84 | 0.88% | 4.10% | 0.04% | 7.27% | 0.06% |
| Coca-Cola Co/The | KO | 4,323.41 | 59.49 | 257,199.90 | 0.81% | 3.09% | 0.03% | 6.58% | 0.05% |
| AbbVie Inc | ABBV | 1,765.54 | 164.40 | 290,254.28 | 0.92% | 3.77% | 0.03% | 9.09% | 0.08% |
| Walt Disney Co/The | DIS | 1,830.32 | 96.05 | 175,801.85 | 0.56% | 0.62% | 0.00% | 18.88% | 0.10% |
| FleetCor Technologies Inc | FLT | 72.20 | 289.93 | 20,934.11 | 0.07% | | | 12.79% | 0.01% |
| Extra Space Storage Inc | EXR | 211.28 | 144.44 | 30,516.99 | 0.10% | 4.49% | 0.00% | 1.20% | 0.00% |
| Exxon Mobil Corp | XOM | 4,006.13 | 102.81 | 411,870.53 | 1.30% | 3.70% | 0.05% | 13.21% | 0.17% |
| Phillips 66 | PSX | 439.96 | 144.31 | 63,490.05 | | 2.91% | | -7.56% | |
| General Electric Co | GE | 1,088.39 | 132.42 | 144,124.07 | 0.46% | 0.24% | 0.00% | 7.00% | 0.03% |
| HP Inc | HPQ | 990.90 | 28.71 | 28,448.80 | 0.09% | 3.84% | 0.00% | 3.00% | 0.00% |
| Home Depot Inc/The | HD | 995.26 | 352.96 | 351,287.68 | 1.11% | 2.37% | 0.03% | 1.82% | 0.02% |
| Monolithic Power Systems Inc | MPWR | 47.91 | 602.72 | 28,877.52 | 0.09% | 0.66% | 0.00% | 8.00% | 0.01% |
| International Business Machines Corp | IBM | 913.12 | 183.66 | 167,703.44 | 0.53% | 3.62% | 0.02% | 5.14% | 0.03% |
| Johnson & Johnson | JNJ | 2,407.28 | 158.90 | 382,516.63 | 1.21% | 3.00% | 0.04% | 3.76% | 0.05% |
| Lululemon Athletica Inc | LULU | 121.08 | 453.82 | 54,946.26 | 0.17% | | | 17.00% | 0.03% |
| McDonald's Corp | MCD | 725.34 | 292.72 | 212,322.11 | 0.67% | 2.28% | 0.02% | 9.53% | 0.06% |
| Merck & Co Inc | MRK | 2,534.02 | 120.78 | 306,059.30 | 0.97% | 2.55% | 0.02% | 17.33% | 0.17% |
| 3M Co | MMM | 552.32 | 94.35 | 52,111.11 | 0.16% | 6.36% | 0.01% | 5.50% | 0.01% |
| American Water Works Co Inc | AWK | 194.71 | 124.02 | 24,147.31 | 0.08% | 2.28% | 0.00% | 7.76% | 0.01% |
| Bank of America Corp | BAC | 7,895.50 | 34.01 | 268,525.96 | | 2.82% | | -7.00% | |
| Pfizer Inc | PFE | 5,646.41 | 27.08 | 152,904.86 | | 6.20% | | 33.35% | |
| Procter & Gamble Co/The | PG | 2,353.02 | 157.14 | 369,753.72 | 1.17% | 2.39% | 0.03% | 7.56% | 0.09% |
| AT&T Inc | T | 7,150.00 | 17.69 | 126,483.50 | | 6.27% | | -4.61% | |
| Travelers Cos Inc/The | TRV | 228.20 | 211.36 | 48,232.35 | 0.15% | 1.89% | 0.00% | 19.03% | 0.03% |
| RTX Corp | RTX | 1,437.90 | 91.12 | 131,021.54 | 0.41% | 2.59% | 0.01% | 10.14% | 0.04% |
| Analog Devices Inc | ADI | 495.84 | 192.36 | 95,379.78 | 0.30% | 1.79% | 0.01% | 4.50% | 0.01% |
| Walmart Inc | WMT | 2,692.23 | 165.25 | 444,891.67 | 1.41% | 1.38% | 0.02% | 3.00% | 0.04% |
| Cisco Systems Inc | CSCO | 4,063.48 | 50.18 | 203,905.23 | 0.64% | 3.11% | 0.02% | 10.00% | 0.06% |
| Intel Corp | INTC | 4,228.00 | 43.08 | 182,142.24 | | 1.16% | | 31.13% | |
| General Motors Co | GM | 1,154.43 | 38.80 | 44,792.00 | 0.14% | 1.24% | 0.00% | 15.71% | 0.02% |
| Microsoft Corp | MSFT | 7,430.44 | 397.58 | 2,954,192.74 | 9.33% | 0.75% | 0.07% | 16.62% | 1.55% |
| Dollar General Corp | DG | 219.50 | 132.07 | 28,988.97 | | 1.79% | | -5.94% | |
| Cigna Group/The | CI | 292.62 | 300.95 | 88,063.99 | 0.28% | 1.63% | 0.00% | 9.80% | 0.03% |
| Kinder Morgan Inc | KMI | 2,222.77 | 16.92 | 37,609.34 | 0.12% | 6.68% | 0.01% | 3.00% | 0.00% |
| Citigroup Inc | C | 1,903.10 | 56.17 | 106,897.13 | | 3.77% | | 21.67% | |
| American International Group Inc | AIG | 702.04 | 69.51 | 48,798.80 | 0.15% | 2.07% | 0.00% | 10.00% | 0.02% |
| Altria Group Inc | MO | 1,768.65 | 40.12 | 70,958.12 | 0.22% | 9.77% | 0.02% | 4.50% | 0.01% |
| HCA Healthcare Inc | HCA | 267.66 | 304.90 | 81,609.84 | 0.26% | 0.87% | 0.00% | 7.72% | 0.02% |
| International Paper Co | IP | 346.02 | 35.83 | 12,397.79 | | 5.16% | | -2.00% | |
| Hewlett Packard Enterprise Co | HPE | 1,300.00 | 15.29 | 19,877.00 | 0.06% | 3.40% | 0.00% | 2.64% | 0.00% |
| Abbott Laboratories | ABT | 1,736.06 | 113.15 | 196,435.08 | 0.62% | 1.94% | 0.01% | 8.00% | 0.05% |
| Aflac Inc | AFL | 584.38 | 84.34 | 49,286.61 | 0.16% | 2.37% | 0.00% | 6.85% | 0.01% |
| Air Products and Chemicals Inc | APD | 222.23 | 255.71 | 56,825.92 | 0.18% | 2.77% | 0.00% | 12.06% | 0.02% |
| Royal Caribbean Cruises Ltd | RCL | 256.24 | 127.50 | 32,669.96 | | | | | |
| Hess Corp | HES | 307.15 | 140.53 | 43,164.07 | 0.14% | 1.25% | 0.00% | 13.50% | 0.02% |
| Archer-Daniels-Midland Co | ADM | 533.38 | 55.58 | 29,645.32 | | 3.60% | | -7.81% | |
| Automatic Data Processing Inc | ADP | 410.70 | 245.78 | 100,941.85 | 0.32% | 2.28% | 0.01% | 16.00% | 0.05% |
| Verisk Analytics Inc | VRSK | 144.99 | 241.53 | 35,018.71 | 0.11% | 0.56% | 0.00% | 11.70% | 0.01% |
| AutoZone Inc | AZO | 17.29 | 2,762.13 | 47,762.75 | 0.15% | | | 14.29% | 0.02% |
| Linde PLC | LIN | 484.89 | 404.83 | 196,298.02 | 0.62% | 1.26% | 0.01% | 14.00% | 0.09% |
| Avery Dennison Corp | AVY | 80.53 | 199.45 | 16,061.91 | 0.05% | 1.62% | 0.00% | 7.00% | 0.00% |
| Enphase Energy Inc | ENPH | 136.55 | 104.13 | 14,219.06 | | | | 28.57% | |
| MSCI Inc | MSCI | 79.10 | 598.62 | 47,350.84 | 0.15% | 1.07% | 0.00% | 12.12% | 0.02% |
| Ball Corp | BALL | 315.30 | 55.45 | 17,483.44 | 0.06% | 1.44% | 0.00% | 9.50% | 0.01% |
| Axon Enterprise Inc | AXON | 74.93 | 249.06 | 18,663.06 | | | | | |
| Dayforce Inc | DAY | 156.13 | 69.52 | 10,853.95 | | | | | |
| Carrier Global Corp | CARR | 897.66 | 54.71 | 49,110.76 | 0.16% | 1.39% | 0.00% | 10.94% | 0.02% |
| Bank of New York Mellon Corp/The | BK | 759.34 | 55.46 | 42,113.22 | 0.13% | 3.03% | 0.00% | 10.00% | 0.01% |
| Otis Worldwide Corp | OTIS | 409.26 | 88.44 | 36,194.87 | 0.11% | 1.54% | 0.00% | 9.00% | 0.01% |
| Baxter International Inc | BAX | 507.32 | 38.69 | 19,628.37 | | 3.00% | | -3.00% | |
| Becton Dickinson & Co | BDX | 289.54 | 238.81 | 69,145.53 | | 1.59% | | -2.02% | |
| Berkshire Hathaway Inc | BRK/B | 1,308.41 | 383.74 | 502,090.79 | | | | | |
| Best Buy Co Inc | BBY | 215.40 | 72.49 | 15,614.06 | 0.05% | 5.08% | 0.00% | 3.08% | 0.00% |
| Boston Scientific Corp | BSX | 1,464.98 | 63.26 | 92,674.82 | 0.29% | | | 12.10% | 0.04% |
| Bristol-Myers Squibb Co | BMY | 2,034.76 | 48.87 | 99,438.62 | 0.31% | 4.91% | 0.02% | 2.78% | 0.01% |

| Name | Ticker | [4] Shares Outst'g | [5] Price | [6] Market Capitalization | [7] Weight in Index | [8] Estimated Dividend Yield | [9] Cap-Weighted Dividend Yield | [10] Bloomberg Long-Term Growth Est. | [11] Cap-Weighted Long-Term Growth Est. |
|---|---|---|---|---|---|---|---|---|---|
| Brown-Forman Corp | BF/B | 306.48 | 54.90 | 16,825.48 | 0.05% | 1.59% | 0.00% | 4.85% | 0.00% |
| Coterra Energy Inc | CTRA | 752.19 | 24.88 | 18,714.54 | | 3.22% | | 55.04% | |
| Campbell Soup Co | CPB | 298.10 | 44.63 | 13,304.20 | 0.04% | 3.32% | 0.00% | 2.81% | 0.00% |
| Hilton Worldwide Holdings Inc | HLT | 256.44 | 190.96 | 48,969.78 | 0.15% | 0.31% | 0.00% | 17.14% | 0.03% |
| Carnival Corp | CCL | 1,119.45 | 16.58 | 18,560.40 | | | | | |
| Qorvo Inc | QRVO | 97.35 | 99.74 | 9,709.29 | 0.03% | | | 18.15% | 0.01% |
| Builders FirstSource Inc | BLDR | 123.35 | 173.73 | 21,429.07 | | | | -1.67% | |
| UDR Inc | UDR | 328.93 | 36.02 | 11,847.99 | 0.04% | 4.66% | 0.00% | 6.08% | 0.00% |
| Clorox Co/The | CLX | 124.06 | 145.25 | 18,019.57 | 0.06% | 3.30% | 0.00% | 11.90% | 0.01% |
| Paycom Software Inc | PAYC | 60.23 | 190.24 | 11,457.77 | 0.04% | 0.79% | 0.00% | 15.19% | 0.01% |
| CMS Energy Corp | CMS | 291.76 | 57.16 | 16,677.23 | 0.05% | 3.41% | 0.00% | 7.75% | 0.00% |
| Colgate-Palmolive Co | CL | 823.37 | 84.20 | 69,327.92 | 0.22% | 2.28% | 0.00% | 8.18% | 0.02% |
| EPAM Systems Inc | EPAM | 57.70 | 278.11 | 16,046.95 | 0.05% | | | 4.87% | 0.00% |
| Comerica Inc | CMA | 131.87 | 52.58 | 6,933.88 | | 5.40% | | 31.00% | |
| Conagra Brands Inc | CAG | 478.01 | 29.15 | 13,933.85 | 0.04% | 4.80% | 0.00% | 2.08% | 0.00% |
| Airbnb Inc | ABNB | 434.75 | 144.14 | 62,664.14 | 0.20% | | | 18.20% | 0.04% |
| Consolidated Edison Inc | ED | 344.92 | 90.90 | 31,353.59 | 0.10% | 3.65% | 0.00% | 6.00% | 0.01% |
| Corning Inc | GLW | 853.18 | 32.49 | 27,719.88 | 0.09% | 3.45% | 0.00% | 9.34% | 0.01% |
| Cummins Inc | CMI | 141.75 | 239.30 | 33,919.58 | 0.11% | 2.81% | 0.00% | 7.01% | 0.01% |
| Caesars Entertainment Inc | CZR | 215.71 | 43.87 | 9,463.24 | | | | 127.12% | |
| Danaher Corp | DHR | 739.20 | 239.91 | 177,341.47 | 0.56% | 0.40% | 0.00% | 5.83% | 0.03% |
| Target Corp | TGT | 461.66 | 139.08 | 64,207.95 | 0.20% | 3.16% | 0.01% | 15.29% | 0.03% |
| Deere & Co | DE | 279.99 | 393.58 | 110,198.46 | 0.35% | 1.49% | 0.01% | 3.96% | 0.01% |
| Dominion Energy Inc | D | 836.77 | 45.72 | 38,257.26 | 0.12% | 5.84% | 0.01% | 6.90% | 0.01% |
| Dover Corp | DOV | 139.89 | 149.78 | 20,952.72 | 0.07% | 1.36% | 0.00% | 10.00% | 0.01% |
| Alliant Energy Corp | LNT | 252.72 | 48.66 | 12,297.31 | 0.04% | 3.95% | 0.00% | 6.16% | 0.00% |
| Steel Dynamics Inc | STLD | 161.82 | 120.69 | 19,529.57 | | 1.41% | | -13.01% | |
| Duke Energy Corp | DUK | 771.00 | 95.83 | 73,884.93 | 0.23% | 4.28% | 0.01% | 6.34% | 0.01% |
| Regency Centers Corp | REG | 184.58 | 62.67 | 11,567.38 | 0.04% | 4.28% | 0.00% | 3.46% | 0.00% |
| Eaton Corp PLC | ETN | 399.30 | 246.08 | 98,259.74 | 0.31% | 1.40% | 0.00% | 15.00% | 0.05% |
| Ecolab Inc | ECL | 285.14 | 198.22 | 56,520.45 | 0.18% | 1.15% | 0.00% | 14.33% | 0.03% |
| Revvity Inc | RVTY | 123.41 | 107.18 | 13,226.76 | | 0.26% | | -7.32% | |
| Emerson Electric Co | EMR | 570.10 | 91.73 | 52,295.27 | 0.17% | 2.29% | 0.00% | 12.01% | 0.02% |
| EOG Resources Inc | EOG | 583.15 | 113.79 | 66,356.64 | 0.21% | 3.20% | 0.01% | 17.83% | 0.04% |
| Aon PLC | AON | 200.22 | 298.43 | 59,750.46 | 0.19% | 0.82% | 0.00% | 10.03% | 0.02% |
| Entergy Corp | ETR | 211.46 | 99.76 | 21,094.85 | 0.07% | 4.53% | 0.00% | 6.51% | 0.00% |
| Equifax Inc | EFX | 123.22 | 244.34 | 30,106.84 | 0.10% | 0.64% | 0.00% | 13.64% | 0.01% |
| EQT Corp | EQT | 411.33 | 35.40 | 14,561.15 | | 1.78% | | 21.41% | |
| IQVIA Holdings Inc | IQV | 182.50 | 208.23 | 38,001.98 | 0.12% | | | 9.67% | 0.01% |
| Gartner Inc | IT | 77.95 | 457.44 | 35,656.99 | 0.11% | | | 8.24% | 0.01% |
| FedEx Corp | FDX | 249.89 | 241.29 | 60,296.68 | 0.19% | 2.09% | 0.00% | 13.50% | 0.03% |
| FMC Corp | FMC | 124.76 | 56.20 | 7,011.46 | | 4.13% | | -4.00% | |
| Brown & Brown Inc | BRO | 284.60 | 77.43 | 22,036.58 | 0.07% | 0.67% | 0.00% | 7.91% | 0.01% |
| Ford Motor Co | F | 3,932.10 | 11.72 | 46,084.24 | | 5.12% | | -2.52% | |
| NextEra Energy Inc | NEE | 2,023.71 | 58.63 | 118,650.35 | 0.37% | 3.19% | 0.01% | 8.10% | 0.03% |
| Franklin Resources Inc | BEN | 526.56 | 26.63 | 14,022.24 | | 4.66% | | -7.00% | |
| Garmin Ltd | GRMN | 191.33 | 119.49 | 22,862.14 | 0.07% | 2.44% | 0.00% | 5.60% | 0.00% |
| Freeport-McMoRan Inc | FCX | 1,433.98 | 39.69 | 56,914.55 | | 1.51% | | -15.66% | |
| Dexcom Inc | DXCM | 386.37 | 121.35 | 46,886.48 | | | | 26.89% | |
| General Dynamics Corp | GD | 272.90 | 264.99 | 72,314.98 | 0.23% | 1.99% | 0.00% | 11.30% | 0.03% |
| General Mills Inc | GIS | 567.89 | 64.91 | 36,861.74 | 0.12% | 3.64% | 0.00% | 8.00% | 0.01% |
| Genuine Parts Co | GPC | 140.20 | 140.23 | 19,659.83 | 0.06% | 2.71% | 0.00% | 9.26% | 0.01% |
| Atmos Energy Corp | ATO | 150.83 | 113.94 | 17,186.03 | 0.05% | 2.83% | 0.00% | 7.26% | 0.00% |
| WW Grainger Inc | GWW | 49.63 | 895.64 | 44,454.20 | | 0.83% | | | |
| Halliburton Co | HAL | 895.05 | 35.65 | 31,908.60 | 0.10% | 1.91% | 0.00% | 16.34% | 0.02% |
| L3Harris Technologies Inc | LHX | 189.54 | 208.42 | 39,503.93 | 0.12% | 2.19% | 0.00% | 5.53% | 0.01% |
| Healthpeak Properties Inc | PEAK | 547.07 | 18.50 | 10,120.87 | 0.03% | 6.49% | 0.00% | 1.21% | 0.00% |
| Insulet Corp | PODD | 69.83 | 190.87 | 13,328.07 | | | | 39.34% | |
| Catalent Inc | CTLT | 180.64 | 51.64 | 9,328.30 | | | | 26.24% | |
| Fortive Corp | FTV | 351.43 | 78.18 | 27,475.11 | 0.09% | 0.41% | 0.00% | 9.29% | 0.01% |
| Hershey Co/The | HSY | 149.89 | 193.54 | 29,008.74 | 0.09% | 2.46% | 0.00% | 9.00% | 0.01% |
| Synchrony Financial | SYF | 406.90 | 38.87 | 15,816.20 | | 2.57% | | | |
| Hormel Foods Corp | HRL | 546.84 | 30.37 | 16,607.53 | 0.05% | 3.72% | 0.00% | 1.08% | 0.00% |
| Arthur J Gallagher & Co | AJG | 216.69 | 232.16 | 50,305.82 | 0.16% | 1.03% | 0.00% | 12.38% | 0.02% |
| Mondelez International Inc | MDLZ | 1,360.90 | 75.27 | 102,434.64 | 0.32% | 2.26% | 0.01% | 8.83% | 0.03% |
| CenterPoint Energy Inc | CNP | 629.43 | 27.94 | 17,586.33 | 0.06% | 2.86% | 0.00% | 8.02% | 0.00% |
| Humana Inc | HUM | 122.22 | 378.06 | 46,208.01 | | 0.94% | | -3.07% | |
| Willis Towers Watson PLC | WTW | 103.26 | 246.30 | 25,432.94 | 0.08% | 1.36% | 0.00% | 10.94% | 0.01% |
| Illinois Tool Works Inc | ITW | 300.89 | 260.90 | 78,501.16 | 0.25% | 2.15% | 0.01% | 3.86% | 0.01% |
| CDW Corp/DE | CDW | 133.96 | 226.72 | 30,371.41 | 0.10% | 1.09% | 0.00% | 13.10% | 0.01% |
| Trane Technologies PLC | TT | 227.56 | 252.05 | 57,355.74 | 0.18% | 1.19% | 0.00% | 13.04% | 0.02% |
| Interpublic Group of Cos Inc/The | IPG | 383.00 | 32.99 | 12,635.30 | 0.04% | 3.76% | 0.00% | 6.29% | 0.00% |
| International Flavors & Fragrances Inc | IFF | 255.28 | 80.68 | 20,595.91 | 0.07% | 4.02% | 0.00% | 5.67% | 0.00% |
| Generac Holdings Inc | GNRC | 61.43 | 113.67 | 6,982.98 | 0.02% | | | 5.00% | 0.00% |
| NXP Semiconductors NV | NXPI | 257.76 | 210.57 | 54,277.15 | | 1.93% | | 34.00% | |
| Kellanova | K | 342.52 | 54.76 | 18,756.40 | | 4.09% | | -2.42% | |
| Broadridge Financial Solutions Inc | BR | 117.65 | 204.20 | 24,023.52 | | 1.57% | | | |
| Kimberly-Clark Corp | KMB | 337.94 | 120.97 | 40,880.72 | 0.13% | 4.03% | 0.01% | 4.42% | 0.01% |
| Kimco Realty Corp | KIM | 671.72 | 20.20 | 13,568.78 | 0.04% | 4.75% | 0.00% | 4.75% | 0.00% |
| Oracle Corp | ORCL | 2,748.92 | 111.70 | 307,054.59 | 0.97% | 1.43% | 0.01% | 15.00% | 0.15% |
| Kroger Co/The | KR | 719.42 | 46.14 | 33,194.18 | 0.10% | 2.51% | 0.00% | 4.21% | 0.00% |

| Name | Ticker | [4] Shares Outst'g | [5] Price | [6] Market Capitalization | [7] Weight in Index | [8] Estimated Dividend Yield | [9] Cap-Weighted Dividend Yield | [10] Bloomberg Long-Term Growth Est. | [11] Cap-Weighted Long-Term Growth Est. |
|---|---|---|---|---|---|---|---|---|---|
| Lennar Corp | LEN | 247.16 | 149.85 | 37,037.38 | 0.12% | 1.33% | 0.00% | 9.02% | 0.01% |
| Eli Lilly & Co | LLY | 949.31 | 645.61 | 612,882.09 | | 0.81% | | 24.60% | |
| Bath & Body Works Inc | BBWI | 225.94 | 42.66 | 9,638.64 | 0.03% | 1.88% | 0.00% | 6.51% | 0.00% |
| Charter Communications Inc | CHTR | 147.92 | 370.71 | 54,835.42 | 0.17% | | | 12.44% | 0.02% |
| Loews Corp | L | 223.25 | 72.86 | 16,266.07 | | 0.34% | | | |
| Lowe's Cos Inc | LOW | 575.11 | 212.84 | 122,407.05 | 0.39% | 2.07% | 0.01% | 4.43% | 0.02% |
| Hubbell Inc | HUBB | 53.62 | 335.57 | 17,993.93 | 0.06% | 1.45% | 0.00% | 18.00% | 0.01% |
| IDEX Corp | IEX | 75.63 | 211.50 | 15,994.90 | 0.05% | 1.21% | 0.00% | 11.00% | 0.01% |
| Marsh & McLennan Cos Inc | MMC | 493.07 | 193.84 | 95,577.08 | 0.30% | 1.47% | 0.00% | 8.27% | 0.02% |
| Masco Corp | MAS | 224.50 | 67.29 | 15,106.67 | 0.05% | 1.69% | 0.00% | 6.17% | 0.00% |
| S&P Global Inc | SPGI | 316.80 | 448.35 | 142,037.28 | 0.45% | 0.81% | 0.00% | 13.58% | 0.06% |
| Medtronic PLC | MDT | 1,329.65 | 87.54 | 116,397.91 | 0.37% | 3.15% | 0.01% | 4.33% | 0.02% |
| Viatris Inc | VTRS | 1,199.67 | 11.77 | 14,120.13 | | 4.08% | | -2.58% | |
| CVS Health Corp | CVS | 1,286.90 | 74.37 | 95,706.53 | 0.30% | 3.58% | 0.01% | 6.24% | 0.02% |
| DuPont de Nemours Inc | DD | 430.04 | 61.80 | 26,576.60 | 0.08% | 2.33% | 0.00% | 10.20% | 0.01% |
| Micron Technology Inc | MU | 1,103.91 | 85.75 | 94,660.20 | | 0.54% | | -7.00% | |
| Motorola Solutions Inc | MSI | 165.97 | 319.50 | 53,026.78 | 0.17% | 1.23% | 0.00% | 10.82% | 0.02% |
| Cboe Global Markets Inc | CBOE | 105.56 | 183.85 | 19,406.47 | 0.06% | 1.20% | 0.00% | 12.81% | 0.01% |
| Laboratory Corp of America Holdings | LH | 84.90 | 222.30 | 18,873.27 | | 1.30% | | -7.29% | |
| Newmont Corp | NEM | 1,152.49 | 34.51 | 39,772.50 | 0.13% | 4.64% | 0.01% | 6.21% | 0.01% |
| NIKE Inc | NKE | 1,217.23 | 101.53 | 123,584.85 | 0.39% | 1.46% | 0.01% | 14.65% | 0.06% |
| NiSource Inc | NI | 413.42 | 25.97 | 10,736.39 | 0.03% | 4.08% | 0.00% | 7.65% | 0.00% |
| Norfolk Southern Corp | NSC | 225.68 | 233.89 | 52,784.53 | 0.17% | 2.31% | 0.00% | 0.61% | 0.00% |
| Principal Financial Group Inc | PFG | 238.41 | 79.10 | 18,858.39 | 0.06% | 3.39% | 0.00% | 8.77% | 0.01% |
| Eversource Energy | ES | 349.09 | 54.22 | 18,927.44 | 0.06% | 5.27% | 0.00% | 5.21% | 0.00% |
| Northrop Grumman Corp | NOC | 150.04 | 446.76 | 67,030.08 | 0.21% | 1.67% | 0.00% | 16.03% | 0.03% |
| Wells Fargo & Co | WFC | 3,598.90 | 49.83 | 179,333.19 | 0.57% | 2.81% | 0.02% | 13.41% | 0.08% |
| Nucor Corp | NUE | 245.84 | 186.93 | 45,954.68 | | 1.16% | | -10.80% | |
| Occidental Petroleum Corp | OXY | 877.58 | 57.57 | 50,522.34 | | 1.25% | | | |
| Omnicom Group Inc | OMC | 197.93 | 90.38 | 17,889.27 | 0.06% | 3.10% | 0.00% | 4.83% | 0.00% |
| ONEOK Inc | OKE | 582.55 | 68.25 | 39,759.11 | 0.13% | 5.80% | 0.01% | 7.65% | 0.01% |
| Raymond James Financial Inc | RJF | 208.70 | 110.18 | 22,994.57 | 0.07% | 1.63% | 0.00% | 13.15% | 0.01% |
| PG&E Corp | PCG | 2,133.51 | 16.87 | 35,992.28 | 0.11% | 0.24% | 0.00% | 6.26% | 0.01% |
| Parker-Hannifin Corp | PH | 128.48 | 464.50 | 59,677.10 | 0.19% | 1.27% | 0.00% | 15.28% | 0.03% |
| Rollins Inc | ROL | 484.04 | 43.31 | 20,963.69 | 0.07% | 1.39% | 0.00% | 14.86% | 0.01% |
| PPL Corp | PPL | 737.12 | 26.20 | 19,312.65 | 0.06% | 3.66% | 0.00% | 8.00% | 0.00% |
| ConocoPhillips | COP | 1,187.41 | 111.87 | 132,835.33 | 0.42% | 0.52% | 0.00% | 12.00% | 0.05% |
| PulteGroup Inc | PHM | 215.60 | 104.56 | 22,542.61 | 0.07% | 0.77% | 0.00% | 5.41% | 0.00% |
| Pinnacle West Capital Corp | PNW | 113.31 | 68.90 | 7,807.20 | 0.02% | 5.11% | 0.00% | 6.98% | 0.00% |
| PNC Financial Services Group Inc/The | PNC | 398.00 | 151.21 | 60,181.58 | 0.19% | 4.10% | 0.01% | 14.67% | 0.03% |
| PPG Industries Inc | PPG | 235.80 | 141.04 | 33,257.23 | 0.11% | 1.84% | 0.00% | 11.71% | 0.01% |
| Progressive Corp/The | PGR | 585.30 | 178.25 | 104,329.73 | | 0.22% | | 29.97% | |
| Veralto Corp | VLTO | 246.31 | 76.69 | 18,889.36 | | 0.47% | | | |
| Public Service Enterprise Group Inc | PEG | 499.11 | 57.99 | 28,943.45 | 0.09% | 3.93% | 0.00% | 5.47% | 0.01% |
| Robert Half Inc | RHI | 105.90 | 79.54 | 8,422.89 | | 2.41% | | | |
| Cooper Cos Inc/The | COO | 49.53 | 373.03 | 18,474.68 | 0.06% | | | 9.41% | 0.01% |
| Edison International | EIX | 383.57 | 67.48 | 25,883.17 | 0.08% | 4.62% | 0.00% | 6.00% | 0.00% |
| Schlumberger NV | SLB | 1,427.40 | 48.70 | 69,514.14 | | 2.26% | | 20.37% | |
| Charles Schwab Corp/The | SCHW | 1,771.68 | 62.92 | 111,474.23 | | 1.59% | | | |
| Sherwin-Williams Co/The | SHW | 255.97 | 304.38 | 77,910.93 | 0.25% | 0.80% | 0.00% | 10.94% | 0.03% |
| West Pharmaceutical Services Inc | WST | 73.99 | 373.03 | 27,600.49 | 0.09% | 0.21% | 0.00% | 18.89% | 0.02% |
| J M Smucker Co/The | SJM | 106.14 | 131.55 | 13,963.24 | 0.04% | 3.22% | 0.00% | 6.91% | 0.00% |
| Snap-on Inc | SNA | 52.78 | 289.93 | 15,302.51 | 0.05% | 2.57% | 0.00% | 4.85% | 0.00% |
| AMETEK Inc | AME | 230.80 | 162.05 | 37,400.98 | 0.12% | 0.62% | 0.00% | 6.87% | 0.01% |
| Uber Technologies Inc | UBER | 2,057.86 | 65.27 | 134,316.39 | | | | 68.00% | |
| Southern Co/The | SO | 1,091.52 | 69.52 | 75,882.12 | 0.24% | 4.03% | 0.01% | 4.50% | 0.01% |
| Truist Financial Corp | TFC | 1,333.74 | 37.06 | 49,428.52 | 0.16% | 5.61% | 0.01% | 7.33% | 0.01% |
| Southwest Airlines Co | LUV | 596.12 | 29.89 | 17,817.88 | 0.06% | 2.41% | 0.00% | 15.74% | 0.01% |
| W R Berkley Corp | WRB | 256.55 | 81.88 | 21,005.90 | 0.07% | 0.54% | 0.00% | 15.00% | 0.01% |
| Stanley Black & Decker Inc | SWK | 153.31 | 93.30 | 14,303.92 | 0.05% | 3.47% | 0.00% | 9.00% | 0.00% |
| Public Storage | PSA | 175.83 | 283.19 | 49,793.01 | 0.16% | 4.24% | 0.01% | 3.77% | 0.01% |
| Arista Networks Inc | ANET | 311.10 | 258.68 | 80,475.35 | 0.25% | | | 19.72% | 0.05% |
| Sysco Corp | SYY | 497.83 | 80.93 | 40,289.38 | 0.13% | 2.47% | 0.00% | 14.00% | 0.02% |
| Corteva Inc | CTVA | 704.88 | 45.48 | 32,057.94 | 0.10% | 1.41% | 0.00% | 16.42% | 0.02% |
| Texas Instruments Inc | TXN | 909.00 | 160.12 | 145,549.08 | 0.46% | 3.25% | 0.01% | 10.00% | 0.05% |
| Textron Inc | TXT | 196.01 | 84.71 | 16,603.58 | | 0.09% | | | |
| Thermo Fisher Scientific Inc | TMO | 386.37 | 538.98 | 208,246.78 | | 0.26% | | | |
| TJX Cos Inc/The | TJX | 1,139.68 | 94.91 | 108,166.74 | 0.34% | 1.40% | 0.00% | 6.38% | 0.02% |
| Globe Life Inc | GL | 94.12 | 122.82 | 11,559.70 | | 0.73% | | | |
| Johnson Controls International plc | JCI | 681.48 | 52.69 | 35,907.02 | 0.11% | 2.81% | 0.00% | 9.77% | 0.01% |
| Ulta Beauty Inc | ULTA | 48.56 | 502.05 | 24,380.55 | 0.08% | | | 6.26% | 0.00% |
| Union Pacific Corp | UNP | 609.60 | 243.93 | 148,699.00 | 0.47% | 2.13% | 0.01% | 11.00% | 0.05% |
| Keysight Technologies Inc | KEYS | 175.05 | 153.26 | 26,827.40 | 0.08% | | | 2.61% | 0.00% |
| UnitedHealth Group Inc | UNH | 924.93 | 511.74 | 473,321.12 | 1.50% | 1.47% | 0.02% | 10.61% | 0.16% |
| Blackstone Inc | BX | 719.36 | 124.45 | 89,524.10 | 0.28% | 3.02% | 0.01% | 8.58% | 0.02% |
| Marathon Oil Corp | MRO | 585.25 | 22.85 | 13,372.89 | 0.04% | 1.93% | 0.00% | 8.00% | 0.00% |
| Bio-Rad Laboratories Inc | BIO | 24.06 | 320.89 | 7,720.29 | | | | | |
| Ventas Inc | VTR | 402.38 | 46.39 | 18,666.45 | 0.06% | 3.88% | 0.00% | 8.66% | 0.01% |
| VF Corp | VFC | 388.88 | 16.46 | 6,401.01 | 0.02% | 2.19% | 0.00% | 3.10% | 0.00% |
| Vulcan Materials Co | VMC | 132.87 | 226.01 | 30,030.63 | | 0.76% | | 22.79% | |
| Weyerhaeuser Co | WY | 730.00 | 32.77 | 23,922.13 | | 0.43% | | | |

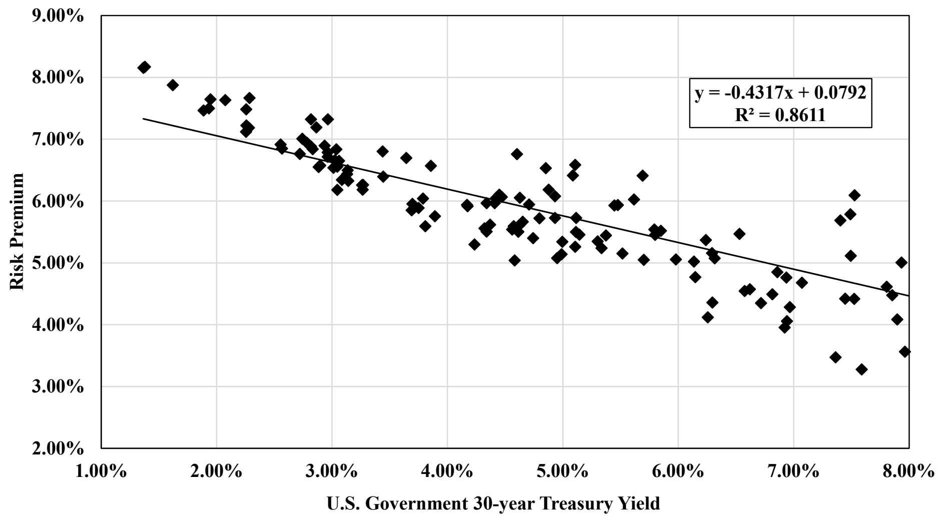
| Name | Ticker | [4] Shares Outst'g | [5] Price | [6] Market Capitalization | [7] Weight in Index | [8] Estimated Dividend Yield | [9] Cap-Weighted Dividend Yield | [10] Bloomberg Long-Term Growth Est. | [11] Cap-Weighted Long-Term Growth Est. |
|---|---|---|---|---|---|---|---|---|---|
| Whirlpool Corp | WHR | 55.00 | 109.52 | 6,023.60 | | 6.39% | | -1.36% | |
| Williams Cos Inc/The | WMB | 1,216.50 | 34.66 | 42,163.86 | 0.13% | 5.48% | 0.01% | 3.50% | 0.00% |
| Constellation Energy Corp | CEG | 319.38 | 122.00 | 38,964.60 | | 0.92% | | 27.95% | |
| WEC Energy Group Inc | WEC | 315.44 | 80.76 | 25,474.53 | 0.08% | 4.14% | 0.00% | 6.39% | 0.01% |
| Adobe Inc | ADBE | 452.00 | 617.78 | 279,236.56 | 0.88% | | | 16.91% | 0.15% |
| AES Corp/The | AES | 669.63 | 16.68 | 11,169.41 | 0.04% | 4.14% | 0.00% | 10.14% | 0.00% |
| Expeditors International of Washington Inc | EXPD | 145.39 | 126.33 | 18,366.99 | | 1.09% | | -16.00% | |
| Amgen Inc | AMGN | 535.18 | 314.26 | 168,185.04 | 0.53% | 2.86% | 0.02% | 4.23% | 0.02% |
| Apple Inc | AAPL | 15,461.90 | 184.40 | 2,851,173.62 | 9.01% | 0.52% | 0.05% | 13.00% | 1.17% |
| Autodesk Inc | ADSK | 213.92 | 253.81 | 54,293.77 | 0.17% | | | 12.48% | 0.02% |
| Cintas Corp | CTAS | 101.37 | 604.57 | 61,285.87 | 0.19% | 0.89% | 0.00% | 11.35% | 0.02% |
| Comcast Corp | CMCSA | 3,962.41 | 46.54 | 184,410.70 | 0.58% | 2.66% | 0.02% | 9.65% | 0.06% |
| Molson Coors Beverage Co | TAP | 200.96 | 61.79 | 12,417.01 | 0.04% | 2.65% | 0.00% | 12.08% | 0.00% |
| KLA Corp | KLAC | 135.23 | 594.04 | 80,334.41 | 0.25% | 0.98% | 0.00% | 9.06% | 0.02% |
| Marriott International Inc/MD | MAR | 293.69 | 239.73 | 70,406.54 | 0.22% | 0.87% | 0.00% | 17.45% | 0.04% |
| Fiserv Inc | FI | 600.19 | 141.87 | 85,148.39 | 0.27% | | | 15.20% | 0.04% |
| McCormick & Co Inc/MD | MKC | 251.44 | 68.16 | 17,138.22 | 0.05% | 2.46% | 0.00% | 5.40% | 0.00% |
| PACCAR Inc | PCAR | 523.30 | 100.39 | 52,534.09 | 0.17% | 1.08% | 0.00% | 12.00% | 0.02% |
| Costco Wholesale Corp | COST | 443.73 | 693.86 | 307,885.11 | 0.97% | 0.59% | 0.01% | 7.64% | 0.07% |
| Stryker Corp | SYK | 379.90 | 335.48 | 127,447.17 | 0.40% | 0.95% | 0.00% | 8.20% | 0.03% |
| Tyson Foods Inc | TSN | 286.35 | 54.76 | 15,680.58 | | 3.58% | | 46.71% | |
| Lamb Weston Holdings Inc | LW | 144.37 | 102.08 | 14,737.49 | 0.05% | 1.41% | 0.00% | 15.46% | 0.01% |
| Applied Materials Inc | AMAT | 832.06 | 164.30 | 136,707.79 | 0.43% | 0.78% | 0.00% | 5.50% | 0.02% |
| American Airlines Group Inc | AAL | 653.54 | 14.23 | 9,299.89 | | | | -7.46% | |
| Cardinal Health Inc | CAH | 246.47 | 109.19 | 26,911.84 | 0.09% | 1.83% | 0.00% | 13.66% | 0.01% |
| Cincinnati Financial Corp | CINF | 156.91 | 110.80 | 17,385.41 | 0.05% | 2.92% | 0.00% | 15.15% | 0.01% |
| Paramount Global | PARA | 610.70 | 14.59 | 8,910.17 | | 1.37% | | -21.36% | |
| DR Horton Inc | DHI | 331.82 | 142.91 | 47,419.97 | 0.15% | 0.84% | 0.00% | 4.49% | 0.01% |
| Electronic Arts Inc | EA | 268.97 | 137.58 | 37,004.34 | 0.12% | 0.55% | 0.00% | 11.07% | 0.01% |
| Fair Isaac Corp | FICO | 24.85 | 1,198.83 | 29,793.32 | | | | 22.00% | |
| Fastenal Co | FAST | 571.98 | 68.23 | 39,026.33 | | 2.29% | | | |
| M&T Bank Corp | MTB | 166.15 | 138.10 | 22,945.18 | 0.07% | 3.77% | 0.00% | 8.08% | 0.01% |
| Xcel Energy Inc | XEL | 551.82 | 59.87 | 33,037.22 | 0.10% | 3.47% | 0.00% | 6.21% | 0.01% |
| Fifth Third Bancorp | FITB | 681.13 | 34.24 | 23,321.72 | | 4.09% | | 25.00% | |
| Gilead Sciences Inc | GILD | 1,246.04 | 78.26 | 97,515.25 | 0.31% | 3.83% | 0.01% | 3.06% | 0.01% |
| Hasbro Inc | HAS | 138.76 | 48.95 | 6,792.50 | | 5.72% | | -3.49% | |
| Huntington Bancshares Inc/OH | HBAN | 1,448.00 | 12.73 | 18,433.04 | | 4.87% | | -5.65% | |
| Welltower Inc | WELL | 556.09 | 86.51 | 48,107.69 | 0.15% | 2.82% | 0.00% | 9.22% | 0.01% |
| Biogen Inc | BIIB | 144.90 | 246.66 | 35,740.54 | 0.11% | | | 10.50% | 0.01% |
| Northern Trust Corp | NTRS | 205.13 | 79.64 | 16,336.23 | 0.05% | 3.77% | 0.00% | 2.57% | 0.00% |
| Packaging Corp of America | PKG | 89.62 | 165.88 | 14,866.83 | 0.05% | 3.01% | 0.00% | 3.00% | 0.00% |
| Paychex Inc | PAYX | 359.82 | 121.73 | 43,801.13 | 0.14% | 2.92% | 0.00% | 7.00% | 0.01% |
| QUALCOMM Inc | QCOM | 1,116.00 | 148.51 | 165,737.16 | 0.52% | 2.15% | 0.01% | 10.81% | 0.06% |
| Ross Stores Inc | ROST | 336.67 | 140.28 | 47,227.51 | 0.15% | 0.96% | 0.00% | 10.00% | 0.01% |
| IDEXX Laboratories Inc | IDXX | 83.05 | 515.08 | 42,778.42 | 0.14% | | | 16.36% | 0.02% |
| Starbucks Corp | SBUX | 1,132.20 | 93.03 | 105,328.57 | 0.33% | 2.45% | 0.01% | 15.41% | 0.05% |
| KeyCorp | KEY | 936.56 | 14.53 | 13,608.27 | | 5.64% | | -1.67% | |
| Fox Corp | FOXA | 247.23 | 32.30 | 7,985.43 | 0.03% | 1.61% | 0.00% | 12.00% | 0.00% |
| Fox Corp | FOX | 235.58 | 30.01 | 7,069.79 | 0.02% | 1.73% | 0.00% | 12.00% | 0.00% |
| State Street Corp | STT | 301.94 | 73.87 | 22,304.60 | 0.07% | 3.74% | 0.00% | 7.85% | 0.01% |
| Norwegian Cruise Line Holdings Ltd | NCLH | 425.43 | 17.80 | 7,572.57 | | | | | |
| US Bancorp | USB | 1,558.00 | 41.54 | 64,719.32 | 0.20% | 4.72% | 0.01% | 6.00% | 0.01% |
| A O Smith Corp | AOS | 122.83 | 77.61 | 9,532.68 | | 1.65% | | | |
| Gen Digital Inc | GEN | 640.72 | 23.48 | 15,043.99 | 0.05% | 2.13% | 0.00% | 12.98% | 0.01% |
| T Rowe Price Group Inc | TROW | 223.47 | 108.45 | 24,235.32 | | 4.57% | | -1.21% | |
| Waste Management Inc | WM | 402.78 | 185.63 | 74,767.12 | 0.24% | 1.51% | 0.00% | 10.39% | 0.02% |
| Constellation Brands Inc | STZ | 182.80 | 245.08 | 44,799.64 | 0.14% | 1.45% | 0.00% | 10.63% | 0.02% |
| DENTSPLY SIRONA Inc | XRAY | 211.86 | 34.75 | 7,362.14 | 0.02% | 1.61% | 0.00% | 7.93% | 0.00% |
| Zions Bancorp NA | ZION | 148.15 | 41.90 | 6,207.61 | | 3.91% | | -9.40% | |
| Invesco Ltd | IVZ | 449.50 | 15.83 | 7,115.59 | 0.02% | 5.05% | 0.00% | 4.00% | 0.00% |
| Intuit Inc | INTU | 279.94 | 631.33 | 176,731.99 | 0.56% | 0.57% | 0.00% | 18.96% | 0.11% |
| Morgan Stanley | MS | 1,641.31 | 87.24 | 143,188.06 | 0.45% | 3.90% | 0.02% | 5.28% | 0.02% |
| Microchip Technology Inc | MCHP | 541.05 | 85.18 | 46,086.21 | | 2.06% | | -1.85% | |
| Chubb Ltd | CB | 405.27 | 245.00 | 99,291.15 | 0.31% | 1.40% | 0.00% | 6.00% | 0.02% |
| Hologic Inc | HOLX | 234.72 | 74.44 | 17,472.63 | 0.06% | | | 8.86% | 0.00% |
| Citizens Financial Group Inc | CFG | 466.42 | 32.70 | 15,251.87 | | 5.14% | | -6.96% | |
| Jabil Inc | JBL | 127.55 | 125.29 | 15,980.24 | 0.05% | 0.26% | 0.00% | 12.00% | 0.01% |
| O'Reilly Automotive Inc | ORLY | 59.16 | 1,023.05 | 60,525.68 | 0.19% | | | 11.80% | 0.02% |
| Allstate Corp/The | ALL | 261.69 | 155.25 | 40,626.91 | | 2.29% | | -7.00% | |
| Equity Residential | EQR | 379.29 | 60.19 | 22,829.53 | 0.07% | 4.40% | 0.00% | 4.75% | 0.00% |
| BorgWarner Inc | BWA | 235.06 | 33.90 | 7,968.36 | 0.03% | 1.30% | 0.00% | 4.81% | 0.00% |
| Keurig Dr Pepper Inc | KDP | 1,398.34 | 31.44 | 43,963.68 | 0.14% | 2.74% | 0.00% | 6.81% | 0.01% |
| Host Hotels & Resorts Inc | HST | 705.40 | 19.22 | 13,557.79 | | 4.16% | | | |
| Incyte Corp | INCY | 224.11 | 58.77 | 13,170.89 | | | | 37.00% | |
| Simon Property Group Inc | SPG | 326.25 | 138.61 | 45,221.10 | 0.14% | 5.48% | 0.01% | 1.71% | 0.00% |
| Eastman Chemical Co | EMN | 118.56 | 83.55 | 9,906.02 | 0.03% | 3.88% | 0.00% | 5.02% | 0.00% |
| AvalonBay Communities Inc | AVB | 142.02 | 179.01 | 25,422.11 | 0.08% | 3.80% | 0.00% | 5.95% | 0.00% |
| Prudential Financial Inc | PRU | 361.00 | 104.93 | 37,879.73 | 0.12% | 4.77% | 0.01% | 10.55% | 0.01% |
| United Parcel Service Inc | UPS | 723.26 | 141.90 | 102,630.17 | | 4.59% | | -0.39% | |
| Walgreens Boots Alliance Inc | WBA | 862.38 | 22.57 | 19,463.83 | 0.06% | 4.43% | 0.00% | 0.31% | 0.00% |
| STERIS PLC | STE | 98.80 | 218.95 | 21,632.26 | | 0.95% | | | |

| | | [4] | [5] | [6] | [7] | [8] | [9] | [10] | [11] |
|---|---|---|---|---|---|---|---|---|---|
| Name | Ticker | Shares Outst'g | Price | Market Capitalization | Weight in Index | Estimated Dividend Yield | Cap-Weighted Dividend Yield | Bloomberg Long-Term Growth Est. | Cap-Weighted Long-Term Growth Est. |
| McKesson Corp | MCK | 133.06 | 499.89 | 66,516.36 | 0.21% | 0.50% | 0.00% | 10.04% | 0.02% |
| Lockheed Martin Corp | LMT | 241.64 | 429.41 | 103,763.92 | 0.33% | 2.93% | 0.01% | 5.39% | 0.02% |
| Cencora Inc | COR | 199.48 | 232.68 | 46,415.47 | 0.15% | 0.88% | 0.00% | 8.66% | 0.01% |
| Capital One Financial Corp | COF | 380.40 | 135.32 | 51,475.73 | | 1.77% | | 50.24% | |
| Waters Corp | WAT | 59.13 | 317.71 | 18,785.24 | 0.06% | | | 4.87% | 0.00% |
| Nordson Corp | NDSN | 57.02 | 251.72 | 14,352.07 | | 1.08% | | 45.00% | |
| Dollar Tree Inc | DLTR | 217.87 | 130.62 | 28,458.44 | 0.09% | | | 7.77% | 0.01% |
| Darden Restaurants Inc | DRI | 119.41 | 162.58 | 19,413.84 | 0.06% | 3.22% | 0.00% | 3.78% | 0.00% |
| Evergy Inc | EVRG | 229.58 | 50.77 | 11,655.93 | 0.04% | 5.06% | 0.00% | 4.35% | 0.00% |
| Match Group Inc | MTCH | 271.81 | 38.38 | 10,432.14 | | | | 28.33% | |
| Domino's Pizza Inc | DPZ | 34.88 | 426.22 | 14,866.98 | 0.05% | 1.14% | 0.00% | 12.71% | 0.01% |
| NVR Inc | NVR | 3.20 | 7,075.29 | 22,605.55 | 0.07% | | | 4.41% | 0.00% |
| NetApp Inc | NTAP | 206.03 | 87.20 | 17,965.90 | 0.06% | 2.29% | 0.00% | 6.00% | 0.00% |
| Old Dominion Freight Line Inc | ODFL | 109.11 | 391.02 | 42,665.76 | 0.13% | 0.53% | 0.00% | 9.31% | 0.01% |
| DaVita Inc | DVA | 91.30 | 108.16 | 9,875.01 | 0.03% | | | 19.69% | 0.01% |
| Hartford Financial Services Group Inc/The | HIG | 300.77 | 86.96 | 26,154.96 | 0.08% | 2.16% | 0.00% | 7.00% | 0.01% |
| Iron Mountain Inc | IRM | 291.99 | 67.52 | 19,715.16 | 0.06% | 3.85% | 0.00% | 4.00% | 0.00% |
| Estee Lauder Cos Inc/The | EL | 232.31 | 131.99 | 30,661.94 | 0.10% | 2.00% | 0.00% | 10.88% | 0.01% |
| Cadence Design Systems Inc | CDNS | 272.06 | 288.46 | 78,479.00 | 0.25% | | | 17.03% | 0.04% |
| Tyler Technologies Inc | TYL | 42.12 | 422.75 | 17,807.92 | | | | | |
| Universal Health Services Inc | UHS | 61.01 | 158.81 | 9,688.52 | 0.03% | 0.50% | 0.00% | 11.38% | 0.00% |
| Skyworks Solutions Inc | SWKS | 160.23 | 104.46 | 16,737.21 | 0.05% | 2.60% | 0.00% | 9.03% | 0.00% |
| Quest Diagnostics Inc | DGX | 112.44 | 128.43 | 14,440.03 | | 2.21% | | -1.18% | |
| Rockwell Automation Inc | ROK | 114.59 | 253.28 | 29,023.86 | 0.09% | 1.97% | 0.00% | 11.06% | 0.01% |
| Kraft Heinz Co/The | KHC | 1,226.54 | 37.13 | 45,541.39 | 0.14% | 4.31% | 0.01% | 4.46% | 0.01% |
| American Tower Corp | AMT | 466.17 | 195.65 | 91,205.18 | 0.29% | 3.48% | 0.01% | 11.81% | 0.03% |
| Regeneron Pharmaceuticals Inc | REGN | 107.13 | 942.78 | 100,999.08 | 0.32% | | | 5.33% | 0.02% |
| Amazon.com Inc | AMZN | 10,334.03 | 155.20 | 1,603,841.61 | | | | 35.10% | |
| Jack Henry & Associates Inc | JKHY | 72.83 | 165.83 | 12,077.07 | 0.04% | 1.25% | 0.00% | 7.06% | 0.00% |
| Ralph Lauren Corp | RL | 39.75 | 143.67 | 5,711.17 | 0.02% | 2.09% | 0.00% | 10.25% | 0.00% |
| Boston Properties Inc | BXP | 156.94 | 66.50 | 10,436.58 | | 5.89% | | -1.26% | |
| Amphenol Corp | APH | 598.31 | 101.10 | 60,489.14 | 0.19% | 0.87% | 0.00% | 9.02% | 0.02% |
| Howmet Aerospace Inc | HWM | 411.74 | 56.26 | 23,164.72 | | 0.36% | | 20.41% | |
| Pioneer Natural Resources Co | PXD | 233.62 | 229.83 | 53,693.57 | 0.17% | 5.57% | 0.01% | 2.00% | 0.00% |
| Valero Energy Corp | VLO | 340.45 | 138.90 | 47,288.92 | 0.15% | 3.08% | 0.00% | 8.16% | 0.01% |
| Synopsys Inc | SNPS | 152.52 | 533.35 | 81,347.08 | 0.26% | | | 17.68% | 0.05% |
| Etsy Inc | ETSY | 119.75 | 66.56 | 7,970.29 | 0.03% | | | 8.47% | 0.00% |
| CH Robinson Worldwide Inc | CHRW | 116.65 | 84.09 | 9,809.18 | | 2.90% | | -10.00% | |
| Accenture PLC | ACN | 666.51 | 363.88 | 242,530.39 | 0.77% | 1.42% | 0.01% | 10.00% | 0.08% |
| TransDigm Group Inc | TDG | 55.59 | 1,092.68 | 60,746.45 | 0.19% | | | 15.56% | 0.03% |
| Yum! Brands Inc | YUM | 280.31 | 129.49 | 36,297.08 | 0.11% | 2.07% | 0.00% | 11.49% | 0.01% |
| Prologis Inc | PLD | 923.97 | 126.69 | 117,057.89 | 0.37% | 2.75% | 0.01% | 8.60% | 0.03% |
| FirstEnergy Corp | FE | 573.82 | 36.68 | 21,047.53 | | 4.47% | | -0.33% | |
| VeriSign Inc | VRSN | 102.10 | 198.88 | 20,305.65 | 0.06% | | | 11.50% | 0.01% |
| Quanta Services Inc | PWR | 145.29 | 194.05 | 28,192.55 | 0.09% | 0.19% | 0.00% | 8.00% | 0.01% |
| Henry Schein Inc | HSIC | 130.59 | 74.84 | 9,772.98 | 0.03% | | | 3.44% | 0.00% |
| Ameren Corp | AEE | 262.95 | 69.57 | 18,293.08 | 0.06% | 3.62% | 0.00% | 6.40% | 0.00% |
| ANSYS Inc | ANSS | 86.92 | 327.83 | 28,494.00 | 0.09% | | | 9.00% | 0.01% |
| FactSet Research Systems Inc | FDS | 38.09 | 475.92 | 18,125.89 | 0.06% | 0.82% | 0.00% | 10.60% | 0.01% |
| NVIDIA Corp | NVDA | 2,470.00 | 615.27 | 1,519,716.90 | | 0.03% | | 43.97% | |
| Cognizant Technology Solutions Corp | CTSH | 501.41 | 77.12 | 38,668.97 | 0.12% | 1.50% | 0.00% | 12.00% | 0.01% |
| Intuitive Surgical Inc | ISRG | 352.33 | 378.22 | 133,256.74 | 0.42% | | | 12.00% | 0.05% |
| Take-Two Interactive Software Inc | TTWO | 170.07 | 164.93 | 28,049.32 | | | | 35.02% | |
| Republic Services Inc | RSG | 314.64 | 171.12 | 53,840.68 | 0.17% | 1.25% | 0.00% | 10.11% | 0.02% |
| eBay Inc | EBAY | 519.00 | 41.07 | 21,315.33 | 0.07% | 2.43% | 0.00% | 0.32% | 0.00% |
| Goldman Sachs Group Inc/The | GS | 326.11 | 384.01 | 125,230.27 | 0.40% | 2.86% | 0.01% | 8.36% | 0.03% |
| SBA Communications Corp | SBAC | 107.89 | 223.86 | 24,151.58 | 0.08% | 1.52% | 0.00% | 8.00% | 0.01% |
| Sempra | SRE | 629.33 | 71.56 | 45,034.71 | 0.14% | 3.33% | 0.00% | 4.95% | 0.01% |
| Moody's Corp | MCO | 183.00 | 392.04 | 71,743.32 | 0.23% | 0.79% | 0.00% | 13.59% | 0.03% |
| ON Semiconductor Corp | ON | 430.70 | 71.13 | 30,635.55 | 0.10% | | | 1.60% | 0.00% |
| Booking Holdings Inc | BKNG | 34.89 | 3,507.47 | 122,375.63 | 0.39% | | | 15.00% | 0.06% |
| F5 Inc | FFIV | 58.80 | 183.70 | 10,801.01 | 0.03% | | | 7.09% | 0.00% |
| Akamai Technologies Inc | AKAM | 150.83 | 123.23 | 18,587.03 | 0.06% | | | 7.87% | 0.00% |
| Charles River Laboratories International Inc | CRL | 51.30 | 216.28 | 11,094.52 | 0.04% | | | 14.00% | 0.00% |
| MarketAxess Holdings Inc | MKTX | 37.91 | 225.51 | 8,547.96 | | 1.31% | | | |
| Devon Energy Corp | DVN | 640.70 | 42.02 | 26,922.21 | | 7.33% | | 21.68% | |
| Alphabet Inc | GOOGL | 5,893.00 | 140.10 | 825,609.30 | 2.61% | | | 10.05% | 0.26% |
| Bio-Techne Corp | TECH | 158.15 | 70.32 | 11,121.11 | 0.04% | 0.46% | 0.00% | 5.00% | 0.00% |
| Teleflex Inc | TFX | 46.99 | 242.83 | 11,411.31 | 0.04% | 0.56% | 0.00% | 7.00% | 0.00% |
| Allegion plc | ALLE | 87.79 | 123.89 | 10,876.06 | 0.03% | 1.45% | 0.00% | 5.14% | 0.00% |
| Netflix Inc | NFLX | 432.76 | 564.11 | 244,124.24 | | | | 31.81% | |
| Warner Bros Discovery Inc | WBD | 2,438.57 | 10.02 | 24,434.43 | | | | 91.04% | |
| Agilent Technologies Inc | A | 293.00 | 130.10 | 38,119.82 | | 0.73% | | | |
| Trimble Inc | TRMB | 248.77 | 50.86 | 12,652.34 | | | | | |
| Elevance Health Inc | ELV | 234.96 | 493.44 | 115,938.17 | 0.37% | 1.32% | 0.00% | 10.83% | 0.04% |
| CME Group Inc | CME | 359.99 | 205.84 | 74,100.34 | 0.23% | 2.14% | 0.01% | 8.54% | 0.02% |
| Juniper Networks Inc | JNPR | 318.87 | 36.96 | 11,785.36 | 0.04% | 2.38% | 0.00% | 7.96% | 0.00% |
| BlackRock Inc | BLK | 148.76 | 774.31 | 115,187.90 | 0.36% | 2.63% | 0.01% | 9.00% | 0.03% |
| DTE Energy Co | DTE | 206.11 | 105.42 | 21,728.01 | 0.07% | 3.87% | 0.00% | 7.00% | 0.00% |
| Celanese Corp | CE | 108.86 | 146.29 | 15,924.40 | 0.05% | 1.91% | 0.00% | 2.16% | 0.00% |
| Nasdaq Inc | NDAQ | 576.97 | 57.77 | 33,331.27 | 0.11% | 1.52% | 0.00% | 9.08% | 0.01% |

| Name | Ticker | [4] Shares Outst'g | [5] Price | [6] Market Capitalization | [7] Weight in Index | [8] Estimated Dividend Yield | [9] Cap-Weighted Dividend Yield | [10] Bloomberg Long-Term Growth Est. | [11] Cap-Weighted Long-Term Growth Est. |
|---|---|---|---|---|---|---|---|---|---|
| Philip Morris International Inc | PM | 1,552.41 | 90.85 | 141,036.09 | 0.45% | 5.72% | 0.03% | 6.49% | 0.03% |
| Ingersoll Rand Inc | IR | 404.80 | 79.86 | 32,327.09 | 0.10% | 0.10% | 0.00% | 14.00% | 0.01% |
| Salesforce Inc | CRM | 968.00 | 281.09 | 272,095.12 | | | | 22.50% | |
| Roper Technologies Inc | ROP | 106.82 | 537.00 | 57,363.41 | 0.18% | 0.56% | 0.00% | 8.00% | 0.01% |
| Huntington Ingalls Industries Inc | HII | 39.72 | 258.92 | 10,285.08 | | 2.01% | | 40.00% | |
| MetLife Inc | MET | 740.19 | 69.32 | 51,309.97 | 0.16% | 3.00% | 0.00% | 9.84% | 0.02% |
| Tapestry Inc | TPR | 229.19 | 38.79 | 8,890.12 | 0.03% | 3.61% | 0.00% | 11.00% | 0.00% |
| CSX Corp | CSX | 1,976.13 | 35.70 | 70,547.88 | 0.22% | 1.23% | 0.00% | 6.75% | 0.02% |
| Edwards Lifesciences Corp | EW | 606.50 | 78.47 | 47,592.06 | 0.15% | | | 8.75% | 0.01% |
| Ameriprise Financial Inc | AMP | 101.20 | 386.83 | 39,145.65 | | 1.40% | | | |
| Zebra Technologies Corp | ZBRA | 51.36 | 239.55 | 12,303.29 | | | | | |
| Zimmer Biomet Holdings Inc | ZBH | 208.98 | 125.60 | 26,248.01 | 0.08% | 0.76% | 0.00% | 7.19% | 0.01% |
| Camden Property Trust | CPT | 106.77 | 93.84 | 10,019.39 | 0.03% | 4.26% | 0.00% | 5.67% | 0.00% |
| CBRE Group Inc | CBRE | 304.79 | 86.31 | 26,306.68 | | | | | |
| Mastercard Inc | MA | 930.44 | 449.23 | 417,980.66 | 1.32% | 0.59% | 0.01% | 16.64% | 0.22% |
| CarMax Inc | KMX | 157.92 | 71.18 | 11,240.82 | | | | 29.90% | |
| Intercontinental Exchange Inc | ICE | 572.36 | 127.33 | 72,879.11 | 0.23% | 1.32% | 0.00% | 9.64% | 0.02% |
| Fidelity National Information Services Inc | FIS | 592.48 | 62.26 | 36,888.05 | 0.12% | 3.34% | 0.00% | 11.42% | 0.01% |
| Chipotle Mexican Grill Inc | CMG | 27.45 | 2,408.77 | 66,108.69 | | | | 24.78% | |
| Wynn Resorts Ltd | WYNN | 112.95 | 94.43 | 10,665.49 | | 1.06% | | 140.51% | |
| Live Nation Entertainment Inc | LYV | 230.33 | 88.85 | 20,464.38 | | | | | |
| Assurant Inc | AIZ | 52.59 | 167.95 | 8,832.66 | 0.03% | 1.71% | 0.00% | 11.66% | 0.00% |
| NRG Energy Inc | NRG | 225.76 | 53.04 | 11,974.52 | 0.04% | 3.07% | 0.00% | 8.88% | 0.00% |
| Monster Beverage Corp | MNST | 1,040.44 | 55.02 | 57,245.06 | 0.18% | | | 15.46% | 0.03% |
| Regions Financial Corp | RF | 930.07 | 18.67 | 17,364.31 | 0.05% | 5.14% | 0.00% | 1.41% | 0.00% |
| Baker Hughes Co | BKR | 1,006.23 | 28.50 | 28,677.67 | 0.09% | 2.81% | 0.00% | 17.00% | 0.02% |
| Mosaic Co/The | MOS | 326.84 | 30.71 | 10,037.10 | | 2.74% | | 24.50% | |
| Expedia Group Inc | EXPE | 133.33 | 148.33 | 19,776.10 | 0.06% | | | 17.50% | 0.01% |
| CF Industries Holdings Inc | CF | 191.06 | 75.51 | 14,426.71 | | 2.65% | | 46.00% | |
| APA Corp | APA | 306.72 | 31.33 | 9,609.51 | 0.03% | 3.19% | 0.00% | 2.00% | 0.00% |
| Leidos Holdings Inc | LDOS | 137.51 | 110.47 | 15,190.29 | 0.05% | 1.38% | 0.00% | 8.12% | 0.00% |
| Alphabet Inc | GOOG | 5,671.00 | 141.80 | 804,147.80 | 2.54% | | | 10.05% | 0.26% |
| First Solar Inc | FSLR | 106.84 | 146.30 | 15,631.28 | | | | 43.22% | |
| TE Connectivity Ltd | TEL | 308.80 | 142.19 | 43,908.13 | 0.14% | 1.66% | 0.00% | 5.27% | 0.01% |
| Discover Financial Services | DFS | 250.06 | 105.52 | 26,386.12 | 0.08% | 2.65% | 0.00% | 17.16% | 0.01% |
| Visa Inc | V | 1,581.59 | 273.26 | 432,185.28 | 1.37% | 0.76% | 0.01% | 13.41% | 0.18% |
| Mid-America Apartment Communities Inc | MAA | 116.69 | 126.38 | 14,747.03 | 0.05% | 4.65% | 0.00% | 1.86% | 0.00% |
| Xylem Inc/NY | XYL | 241.08 | 112.44 | 27,106.81 | | 1.17% | | | |
| Marathon Petroleum Corp | MPC | 379.70 | 165.60 | 62,877.82 | | 1.99% | | -11.89% | |
| Tractor Supply Co | TSCO | 108.11 | 224.60 | 24,282.40 | 0.08% | 1.83% | 0.00% | 3.42% | 0.00% |
| Advanced Micro Devices Inc | AMD | 1,615.79 | 167.69 | 270,951.32 | | | | 29.35% | |
| ResMed Inc | RMD | 147.09 | 190.20 | 27,976.33 | 0.09% | 1.01% | 0.00% | 8.67% | 0.01% |
| Mettler-Toledo International Inc | MTD | 21.68 | 1,197.19 | 25,959.87 | 0.08% | | | 5.96% | 0.00% |
| VICI Properties Inc | VICI | 1,034.53 | 30.12 | 31,160.10 | 0.10% | 5.51% | 0.01% | 4.78% | 0.00% |
| Copart Inc | CPRT | 960.23 | 48.04 | 46,129.50 | | | | | |
| Jacobs Solutions Inc | J | 126.32 | 134.77 | 17,023.61 | 0.05% | 0.86% | 0.00% | 12.31% | 0.01% |
| Albemarle Corp | ALB | 117.35 | 114.74 | 13,465.08 | | 1.39% | | 35.15% | |
| Fortinet Inc | FTNT | 767.91 | 64.49 | 49,522.52 | 0.16% | | | 14.37% | 0.02% |
| Moderna Inc | MRNA | 381.28 | 101.05 | 38,528.75 | | | | -29.33% | |
| Essex Property Trust Inc | ESS | 64.18 | 233.27 | 14,971.97 | 0.05% | 3.96% | 0.00% | 5.71% | 0.00% |
| CoStar Group Inc | CSGP | 408.36 | 83.48 | 34,090.14 | 0.11% | | | 20.00% | 0.02% |
| Realty Income Corp | O | 831.79 | 54.39 | 45,240.89 | 0.14% | 5.66% | 0.01% | 1.39% | 0.00% |
| Westrock Co | WRK | 256.51 | 40.26 | 10,327.01 | 0.03% | 3.01% | 0.00% | 5.70% | 0.00% |
| Westinghouse Air Brake Technologies Corp | WAB | 179.16 | 131.57 | 23,571.95 | 0.07% | 0.52% | 0.00% | 14.08% | 0.01% |
| Pool Corp | POOL | 38.68 | 371.25 | 14,359.58 | | 1.19% | | -0.25% | |
| Western Digital Corp | WDC | 324.24 | 57.25 | 18,562.91 | | | | -13.91% | |
| PepsiCo Inc | PEP | 1,374.86 | 168.53 | 231,705.83 | 0.73% | 3.00% | 0.02% | 8.62% | 0.06% |
| Diamondback Energy Inc | FANG | 178.99 | 153.74 | 27,517.15 | 0.09% | 8.77% | 0.01% | 8.47% | 0.01% |
| Palo Alto Networks Inc | PANW | 315.30 | 338.51 | 106,732.20 | | | | 30.00% | |
| ServiceNow Inc | NOW | 205.00 | 765.40 | 156,907.00 | | | | 30.00% | |
| Church & Dwight Co Inc | CHD | 246.38 | 99.85 | 24,601.24 | 0.08% | 1.09% | 0.00% | 6.28% | 0.00% |
| Federal Realty Investment Trust | FRT | 81.62 | 101.73 | 8,303.00 | 0.03% | 4.29% | 0.00% | 4.42% | 0.00% |
| MGM Resorts International | MGM | 341.58 | 43.37 | 14,814.45 | | | | | |
| American Electric Power Co Inc | AEP | 515.18 | 78.14 | 40,255.85 | 0.13% | 4.50% | 0.01% | 5.11% | 0.01% |
| Invitation Homes Inc | INVH | 611.96 | 32.93 | 20,151.78 | 0.06% | 3.40% | 0.00% | 2.83% | 0.00% |
| PTC Inc | PTC | 119.44 | 180.65 | 21,576.29 | 0.07% | | | 19.53% | 0.01% |
| JB Hunt Transport Services Inc | JBHT | 103.14 | 200.98 | 20,729.68 | 0.07% | 0.86% | 0.00% | 15.00% | 0.01% |
| Lam Research Corp | LRCX | 131.10 | 825.17 | 108,182.26 | 0.34% | 0.97% | 0.00% | 11.37% | 0.04% |
| Mohawk Industries Inc | MHK | 63.68 | 104.25 | 6,638.85 | | | | -2.33% | |
| GE HealthCare Technologies Inc | GEHC | 455.24 | 73.36 | 33,396.63 | 0.11% | 0.16% | 0.00% | 12.70% | 0.01% |
| Pentair PLC | PNR | 165.30 | 73.17 | 12,094.93 | 0.04% | 1.26% | 0.00% | 7.53% | 0.00% |
| Vertex Pharmaceuticals Inc | VRTX | 257.68 | 433.38 | 111,674.66 | 0.35% | | | 13.40% | 0.05% |
| Amcor PLC | AMCR | 1,445.34 | 9.43 | 13,629.58 | 0.04% | 5.30% | 0.00% | 2.20% | 0.00% |
| Meta Platforms Inc | META | 2,219.61 | 390.14 | 865,957.47 | | | | 20.79% | |
| T-Mobile US Inc | TMUS | 1,195.81 | 161.23 | 192,799.96 | 0.61% | 1.61% | 0.01% | 5.25% | 0.03% |
| United Rentals Inc | URI | 67.19 | 625.40 | 42,021.88 | 0.13% | 1.04% | 0.00% | 6.85% | 0.01% |
| Alexandria Real Estate Equities Inc | ARE | 174.97 | 120.90 | 21,153.63 | 0.07% | 4.20% | 0.00% | 5.28% | 0.00% |
| Honeywell International Inc | HON | 659.25 | 202.26 | 133,340.11 | 0.42% | 2.14% | 0.01% | 7.87% | 0.03% |
| Delta Air Lines Inc | DAL | 643.46 | 39.14 | 25,185.14 | 0.08% | 1.02% | 0.00% | 8.37% | 0.01% |
| United Airlines Holdings Inc | UAL | 328.02 | 41.38 | 13,573.34 | | | | 49.56% | |
| Seagate Technology Holdings PLC | STX | 209.51 | 85.68 | 17,950.90 | | 3.27% | | -4.90% | |

| Name | Ticker | [4] Shares Outst'g | [5] Price | [6] Market Capitalization | [7] Weight in Index | [8] Estimated Dividend Yield | [9] Cap-Weighted Dividend Yield | [10] Bloomberg Long-Term Growth Est. | [11] Cap-Weighted Long-Term Growth Est. |
|---|---|---|---|---|---|---|---|---|---|
| News Corp | NWS | 191.39 | 25.57 | 4,893.71 | | 0.78% | | | |
| Centene Corp | CNC | 534.20 | 75.31 | 40,230.68 | 0.13% | | | 9.26% | 0.01% |
| Martin Marietta Materials Inc | MLM | 61.81 | 508.42 | 31,423.91 | | 0.58% | | 20.66% | |
| Teradyne Inc | TER | 152.88 | 96.59 | 14,766.58 | 0.05% | 0.50% | 0.00% | 6.00% | 0.00% |
| PayPal Holdings Inc | PYPL | 1,078.14 | 61.35 | 66,143.89 | 0.21% | | | 6.26% | 0.01% |
| Tesla Inc | TSLA | 3,184.79 | 187.29 | 596,479.32 | 1.88% | | | 2.00% | 0.04% |
| Arch Capital Group Ltd | ACGL | 373.17 | 82.43 | 30,760.57 | 0.10% | | | 15.00% | 0.01% |
| Dow Inc | DOW | 702.29 | 53.60 | 37,642.90 | | 5.22% | | 23.26% | |
| Everest Group Ltd | EG | 43.39 | 384.97 | 16,703.85 | | 1.82% | | 33.50% | |
| Teledyne Technologies Inc | TDY | 47.19 | 418.47 | 19,745.51 | 0.06% | | | 8.03% | 0.01% |
| News Corp | NWSA | 380.67 | 24.64 | 9,379.71 | | 0.81% | | | |
| Exelon Corp | EXC | 994.30 | 34.81 | 34,611.55 | 0.11% | 4.14% | 0.00% | 4.69% | 0.01% |
| Global Payments Inc | GPN | 260.39 | 133.23 | 34,691.63 | 0.11% | 0.75% | 0.00% | 13.05% | 0.01% |
| Crown Castle Inc | CCI | 434.00 | 108.25 | 46,980.50 | 0.15% | 5.78% | 0.01% | 7.00% | 0.01% |
| Aptiv PLC | APTV | 282.86 | 81.33 | 23,005.17 | 0.07% | | | 11.44% | 0.01% |
| Align Technology Inc | ALGN | 76.59 | 267.32 | 20,473.77 | 0.06% | | | 12.52% | 0.01% |
| Illumina Inc | ILMN | 158.80 | 143.01 | 22,709.99 | | | | -9.88% | |
| Kenvue Inc | KVUE | 1,915.00 | 20.76 | 39,755.30 | | 3.85% | | | |
| Targa Resources Corp | TRGP | 222.98 | 84.96 | 18,944.04 | 0.06% | 2.35% | 0.00% | 14.00% | 0.01% |
| Bunge Global SA | BG | 161.43 | 88.09 | 14,220.28 | | 3.01% | | -5.94% | |
| LKQ Corp | LKQ | 267.60 | 46.67 | 12,488.80 | 0.04% | 2.57% | 0.00% | 11.50% | 0.00% |
| Zoetis Inc | ZTS | 459.11 | 187.81 | 86,226.20 | 0.27% | 0.92% | 0.00% | 10.91% | 0.03% |
| Equinix Inc | EQIX | 93.88 | 829.77 | 77,901.30 | 0.25% | 2.05% | 0.01% | 14.63% | 0.04% |
| Digital Realty Trust Inc | DLR | 302.85 | 140.46 | 42,537.75 | 0.13% | 3.47% | 0.00% | 6.80% | 0.01% |
| Molina Healthcare Inc | MOH | 58.30 | 356.44 | 20,780.45 | 0.07% | | | 11.24% | 0.01% |
| Las Vegas Sands Corp | LVS | 764.49 | 48.92 | 37,398.90 | | 1.64% | | | |

Notes:
[1] Equals sum of Col. [9]
[2] Equals sum of Col. [11]
[3] Equals ([1] x (1 + (0.5 x [2]))) + [2]
[4] Source: Bloomberg Professional as of January 31 2024
[5] Source: Bloomberg Professional as of January 31 2024
[6] Equals [4] x [5]
[7] Equals weight in S&P 500 based on market capitalization [6] if Growth Rate >0% and ≤20%
[8] Source: Bloomberg Professional, as of January 31 2024
[9] Equals [7] x [8]
[10] Source: Bloomberg, as of January 31 2024
[11] Equals [7] x [10]




SUMMARY OUTPUT

| *Regression Statistics* | |
|---|---|
| Multiple R | 0.927975 |
| R Square | 0.861137 |
| Adjusted R Square | 0.860321 |
| Standard Error | 0.005397 |
| Observations | 172.000000 |

ANOVA

| | *df* | *SS* | *MS* | *F* | *Significance F* |
|---|---|---|---|---|---|
| Regression | 1.000000 | 0.030710 | 0.030710 | 1,054.231629 | 0.000000 |
| Residual | 170.000000 | 0.004952 | 0.000029 | | |
| Total | 171.000000 | 0.035663 | | | |

| | *Coefficients* | *Standard Error* | *t Stat* | *P-value* | *Lower 95%* | *Upper 95%* | *Lower 95.0%* | *Upper 95.0%* |
|---|---|---|---|---|---|---|---|---|
| Intercept | 0.0792 | 0.0009 | 87.3018 | 0.0000 | 0.0774 | 0.0810 | 0.0774 | 0.0810 |
| U.S. Govt. 30-year Treasury | (0.4317) | 0.0133 | (32.4689) | 0.0000 | (0.4580) | (0.4055) | (0.4580) | (0.4055) |

| | [7] | [8] | [9] |
|---|---|---|---|
| | U.S. Govt. 30-year Treasury | Risk Premium | Cost of Equity |
| Current 30-day average of 30-year U.S. Treasury bond yield [4] | 4.19% | 6.11% | 10.30% |
| *Blue Chip* Near-Term Projected Forecast (Q2 2024 - Q2 2025) [5] | 4.10% | 6.15% | 10.25% |
| *Blue Chip* Long-Term Projected Forecast (2025-2029) [6] | 4.10% | 6.15% | 10.25% |
| AVERAGE | | | 10.27% |

Notes:
[1] Source: Regulatory Research Associates, rate cases through December 31, 2023
[2] Source: S&P Capital IQ Pro, quarterly bond yields are the average of each trading day in the quarter
[3] Equals Column [1] − Column [2]
[4] Source: S&P Capital IQ Pro, 30-day average as of December 31, 2023
[5] Source: Blue Chip Financial Forecasts, Vol. 43, No. 1, December 28, 2023, at 2
[6] Source: Blue Chip Financial Forecasts, Vol. 42, No. 12, December 1, 2023, at 14
[7] See notes [4], [5] & [6]
[8] Equals 0.079192 + (-0.431720 x Column [7])
[9] Equals Column [7] + Column [8]

**BOND YIELD PLUS RISK PREMIUM**

| | [1] | [2] | [3] |
|---|---|---|---|
| Quarter | Average Authorized Natual Gas ROE | U.S. Govt. 30-year Treasury | Risk Premium |
| 1980.1 | 13.45% | 11.66% | 1.79% |
| 1980.2 | 14.38% | 10.52% | 3.85% |
| 1980.3 | 13.87% | 10.85% | 3.02% |
| 1980.4 | 14.35% | 12.10% | 2.25% |
| 1981.1 | 14.71% | 12.53% | 2.18% |
| 1981.2 | 14.61% | 13.24% | 1.36% |
| 1981.3 | 14.86% | 14.13% | 0.72% |
| 1981.4 | 15.70% | 13.85% | 1.86% |
| 1982.1 | 15.55% | 13.96% | 1.59% |
| 1982.2 | 15.62% | 13.52% | 2.10% |
| 1982.3 | 15.77% | 12.79% | 2.97% |
| 1982.4 | 15.63% | 10.75% | 4.89% |
| 1983.1 | 15.41% | 10.71% | 4.71% |
| 1983.2 | 14.84% | 10.65% | 4.19% |
| 1983.3 | 15.24% | 11.62% | 3.62% |
| 1983.4 | 15.40% | 11.74% | 3.66% |
| 1984.1 | 15.39% | 12.04% | 3.35% |
| 1984.2 | 15.07% | 13.18% | 1.89% |
| 1984.3 | 15.46% | 12.69% | 2.77% |
| 1984.4 | 15.33% | 11.70% | 3.63% |
| 1985.1 | 15.03% | 11.58% | 3.45% |
| 1985.2 | 15.44% | 11.00% | 4.45% |
| 1985.3 | 14.64% | 10.55% | 4.08% |
| 1985.4 | 14.37% | 10.04% | 4.33% |
| 1986.1 | 14.05% | 8.77% | 5.28% |
| 1986.2 | 13.28% | 7.49% | 5.79% |
| 1986.3 | 13.09% | 7.40% | 5.69% |
| 1986.4 | 13.62% | 7.53% | 6.09% |
| 1987.1 | 12.61% | 7.49% | 5.11% |
| 1987.2 | 13.04% | 8.53% | 4.51% |
| 1987.3 | 12.70% | 9.06% | 3.64% |
| 1987.4 | 12.69% | 9.23% | 3.46% |
| 1988.1 | 12.94% | 8.63% | 4.31% |
| 1988.2 | 12.48% | 9.06% | 3.41% |
| 1988.3 | 12.79% | 9.18% | 3.61% |
| 1988.4 | 12.98% | 8.97% | 4.00% |
| 1989.1 | 12.99% | 9.04% | 3.96% |
| 1989.2 | 13.25% | 8.70% | 4.55% |
| 1989.3 | 12.56% | 8.12% | 4.44% |
| 1989.4 | 12.94% | 7.93% | 5.00% |
| 1990.1 | 12.68% | 8.44% | 4.24% |
| 1990.2 | 12.81% | 8.65% | 4.16% |
| 1990.3 | 12.36% | 8.79% | 3.57% |
| 1990.4 | 12.78% | 8.56% | 4.22% |
| 1991.1 | 12.69% | 8.20% | 4.49% |
| 1991.2 | 12.53% | 8.31% | 4.22% |
| 1991.3 | 12.43% | 8.19% | 4.24% |
| 1991.4 | 12.33% | 7.85% | 4.48% |
| 1992.1 | 12.42% | 7.81% | 4.61% |
| 1992.2 | 11.98% | 7.90% | 4.09% |
| 1992.3 | 11.87% | 7.45% | 4.42% |
| 1992.4 | 11.94% | 7.52% | 4.42% |
| 1993.1 | 11.75% | 7.07% | 4.68% |
| 1993.2 | 11.71% | 6.86% | 4.85% |
| 1993.3 | 11.39% | 6.32% | 5.07% |
| 1993.4 | 11.16% | 6.14% | 5.02% |
| 1994.1 | 11.12% | 6.58% | 4.54% |
| 1994.2 | 10.84% | 7.36% | 3.47% |
| 1994.3 | 10.87% | 7.59% | 3.28% |
| 1994.4 | 11.53% | 7.96% | 3.56% |
| 1995.2 | 11.00% | 6.94% | 4.06% |
| 1995.3 | 11.07% | 6.72% | 4.35% |
| 1995.4 | 11.61% | 6.24% | 5.37% |
| 1996.1 | 11.45% | 6.29% | 5.16% |

**BOND YIELD PLUS RISK PREMIUM**

| | [1] | [2] | [3] |
|---|---|---|---|
| Quarter | Average Authorized Natual Gas ROE | U.S. Govt. 30-year Treasury | Risk Premium |
| 1996.2 | 10.88% | 6.92% | 3.95% |
| 1996.3 | 11.25% | 6.97% | 4.28% |
| 1996.4 | 11.19% | 6.62% | 4.57% |
| 1997.1 | 11.31% | 6.82% | 4.49% |
| 1997.2 | 11.70% | 6.94% | 4.76% |
| 1997.3 | 12.00% | 6.53% | 5.47% |
| 1997.4 | 10.92% | 6.15% | 4.77% |
| 1998.2 | 11.37% | 5.85% | 5.52% |
| 1998.3 | 11.41% | 5.48% | 5.93% |
| 1998.4 | 11.69% | 5.11% | 6.58% |
| 1999.1 | 10.82% | 5.37% | 5.44% |
| 1999.2 | 11.25% | 5.80% | 5.45% |
| 1999.4 | 10.38% | 6.26% | 4.12% |
| 2000.1 | 10.66% | 6.30% | 4.36% |
| 2000.2 | 11.03% | 5.98% | 5.05% |
| 2000.3 | 11.33% | 5.79% | 5.54% |
| 2000.4 | 12.10% | 5.69% | 6.41% |
| 2001.1 | 11.38% | 5.45% | 5.93% |
| 2001.2 | 10.75% | 5.70% | 5.05% |
| 2001.4 | 10.65% | 5.30% | 5.35% |
| 2002.1 | 10.67% | 5.52% | 5.15% |
| 2002.2 | 11.64% | 5.62% | 6.03% |
| 2002.3 | 11.50% | 5.09% | 6.41% |
| 2002.4 | 11.01% | 4.93% | 6.08% |
| 2003.1 | 11.38% | 4.85% | 6.53% |
| 2003.2 | 11.36% | 4.60% | 6.76% |
| 2003.3 | 10.61% | 5.11% | 5.50% |
| 2003.4 | 10.84% | 5.11% | 5.73% |
| 2004.1 | 11.06% | 4.88% | 6.18% |
| 2004.2 | 10.57% | 5.34% | 5.24% |
| 2004.3 | 10.37% | 5.11% | 5.26% |
| 2004.4 | 10.66% | 4.93% | 5.73% |
| 2005.1 | 10.65% | 4.71% | 5.94% |
| 2005.2 | 10.54% | 4.47% | 6.07% |
| 2005.3 | 10.47% | 4.42% | 6.05% |
| 2005.4 | 10.32% | 4.65% | 5.66% |
| 2006.1 | 10.68% | 4.63% | 6.05% |
| 2006.2 | 10.60% | 5.14% | 5.46% |
| 2006.3 | 10.34% | 5.00% | 5.34% |
| 2006.4 | 10.14% | 4.74% | 5.40% |
| 2007.1 | 10.52% | 4.80% | 5.72% |
| 2007.2 | 10.13% | 4.99% | 5.14% |
| 2007.3 | 10.03% | 4.95% | 5.08% |
| 2007.4 | 10.12% | 4.61% | 5.50% |
| 2008.1 | 10.38% | 4.41% | 5.97% |
| 2008.2 | 10.17% | 4.57% | 5.59% |
| 2008.3 | 10.55% | 4.45% | 6.10% |
| 2008.4 | 10.34% | 3.64% | 6.69% |
| 2009.1 | 10.24% | 3.44% | 6.80% |
| 2009.2 | 10.11% | 4.17% | 5.94% |
| 2009.3 | 9.88% | 4.32% | 5.56% |
| 2009.4 | 10.31% | 4.34% | 5.97% |
| 2010.1 | 10.24% | 4.62% | 5.61% |
| 2010.2 | 9.99% | 4.37% | 5.62% |
| 2010.3 | 10.43% | 3.86% | 6.57% |
| 2010.4 | 10.09% | 4.17% | 5.92% |
| 2011.1 | 10.10% | 4.56% | 5.54% |
| 2011.2 | 9.85% | 4.34% | 5.51% |
| 2011.3 | 9.65% | 3.70% | 5.95% |
| 2011.4 | 9.88% | 3.04% | 6.84% |
| 2012.1 | 9.63% | 3.14% | 6.50% |

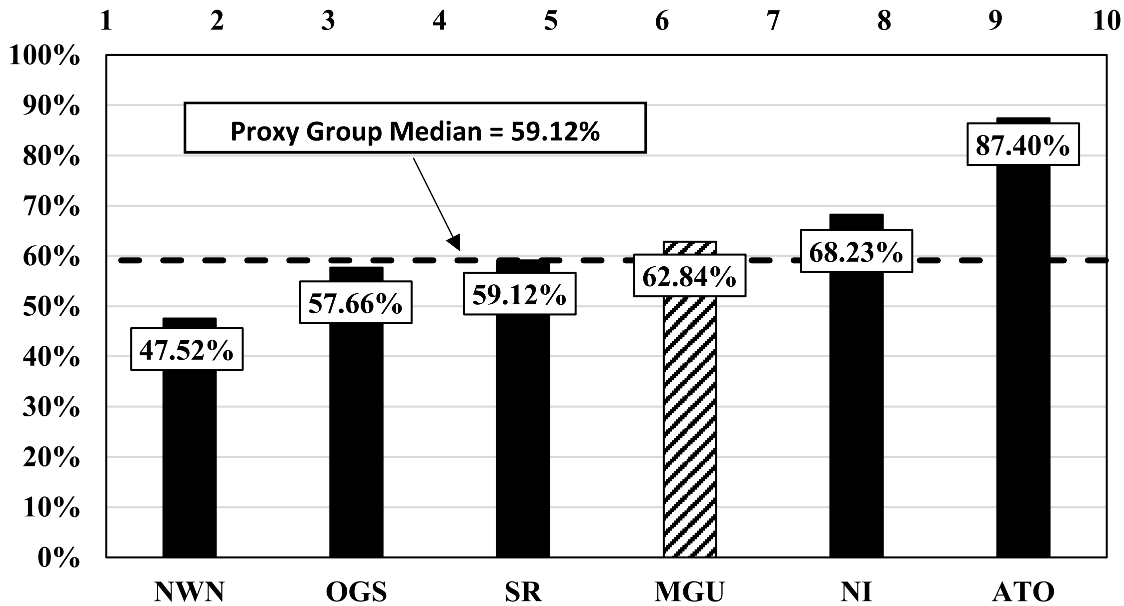
**BOND YIELD PLUS RISK PREMIUM**

| | [1] | [2] | [3] |
|---|---|---|---|
| Quarter | Average Authorized Natual Gas ROE | U.S. Govt. 30-year Treasury | Risk Premium |
| 2012.2 | 9.83% | 2.94% | 6.89% |
| 2012.3 | 9.75% | 2.74% | 7.01% |
| 2012.4 | 10.06% | 2.86% | 7.19% |
| 2013.1 | 9.57% | 3.13% | 6.44% |
| 2013.2 | 9.47% | 3.14% | 6.33% |
| 2013.3 | 9.60% | 3.71% | 5.89% |
| 2013.4 | 9.83% | 3.79% | 6.04% |
| 2014.1 | 9.54% | 3.69% | 5.85% |
| 2014.2 | 9.84% | 3.44% | 6.39% |
| 2014.3 | 9.45% | 3.27% | 6.18% |
| 2014.4 | 10.28% | 2.96% | 7.32% |
| 2015.1 | 9.47% | 2.55% | 6.91% |
| 2015.2 | 9.43% | 2.88% | 6.55% |
| 2015.3 | 9.75% | 2.96% | 6.79% |
| 2015.4 | 9.68% | 2.96% | 6.71% |
| 2016.1 | 9.48% | 2.72% | 6.76% |
| 2016.2 | 9.42% | 2.57% | 6.85% |
| 2016.3 | 9.47% | 2.28% | 7.19% |
| 2016.4 | 9.67% | 2.83% | 6.84% |
| 2017.1 | 9.60% | 3.05% | 6.55% |
| 2017.2 | 9.47% | 2.90% | 6.57% |
| 2017.3 | 10.14% | 2.82% | 7.32% |
| 2017.4 | 9.70% | 2.82% | 6.88% |
| 2018.1 | 9.68% | 3.02% | 6.66% |
| 2018.2 | 9.43% | 3.09% | 6.34% |
| 2018.3 | 9.71% | 3.06% | 6.65% |
| 2018.4 | 9.53% | 3.27% | 6.26% |
| 2019.1 | 9.55% | 3.01% | 6.54% |
| 2019.2 | 9.73% | 2.78% | 6.94% |
| 2019.3 | 9.95% | 2.29% | 7.67% |
| 2019.4 | 9.74% | 2.26% | 7.48% |
| 2020.1 | 9.35% | 1.89% | 7.46% |
| 2020.2 | 9.55% | 1.38% | 8.17% |
| 2020.3 | 9.52% | 1.37% | 8.15% |
| 2020.4 | 9.50% | 1.62% | 7.87% |
| 2021.1 | 9.71% | 2.07% | 7.63% |
| 2021.2 | 9.48% | 2.26% | 7.22% |
| 2021.3 | 9.43% | 1.93% | 7.50% |
| 2021.4 | 9.59% | 1.95% | 7.65% |
| 2022.1 | 9.38% | 2.25% | 7.12% |
| 2022.2 | 9.23% | 3.05% | 6.18% |
| 2022.3 | 9.52% | 3.26% | 6.26% |
| 2022.4 | 9.65% | 3.89% | 5.75% |
| 2023.1 | 9.64% | 3.75% | 5.89% |
| 2023.2 | 9.40% | 3.81% | 5.59% |
| 2023.3 | 9.53% | 4.23% | 5.30% |
| 2023.4 | 9.62% | 4.58% | 5.04% |
| AVERAGE | 11.37% | 6.08% | 5.29% |
| MEDIAN | 10.83% | 5.22% | 5.50% |

**2024-2028 CAPITAL EXPENDITURES AS A PERCENTAGE OF 2023 NET PLANT**
*($ Millions)*

| | | [1] 2023 | [2] 2024 | [3] 2025 | [4] 2026 | [5] 2027 | [6] 2028 | [7] 2024-2028 Cap. Ex. / 2023 Net Plant |
|---|---|---|---|---|---|---|---|---|
| Atmos Energy Corporation | ATO | | | | | | | |
| Capital Spending per Share | | | $ 18.70 | $ 20.10 | $ 21.50 | $ 21.50 | $ 21.50 | |
| Common Shares Outstanding | | | $ 155.00 | $ 162.50 | $ 170.00 | $ 170.00 | $ 170.00 | |
| Capital Expenditures | | | $ 2,898.50 | $ 3,266.25 | $ 3,655.00 | $ 3,655.00 | $ 3,655.00 | 87.40% |
| Net Plant | | $ 19,600 | | | | | | |
| NiSource Inc. | NI | | | | | | | |
| Capital Spending per Share | | | $ 7.95 | $ 7.35 | $ 6.75 | $ 6.75 | $ 6.75 | |
| Common Shares Outstanding | | | $ 415.00 | $ 427.50 | $ 440.00 | $ 440.00 | $ 440.00 | |
| Capital Expenditures | | | $ 3,299.25 | $ 3,142.13 | $ 2,970.00 | $ 2,970.00 | $ 2,970.00 | 68.23% |
| Net Plant | | $ 22,500 | | | | | | |
| Northwest Natural Gas Company | NWN | | | | | | | |
| Capital Spending per Share | | | $ 7.75 | $ 7.63 | $ 7.50 | $ 7.50 | $ 7.50 | |
| Common Shares Outstanding | | | $ 38.00 | $ 40.00 | $ 42.00 | $ 42.00 | $ 42.00 | |
| Capital Expenditures | | | $ 294.50 | $ 305.00 | $ 315.00 | $ 315.00 | $ 315.00 | 47.52% |
| Net Plant | | $ 3,250 | | | | | | |
| ONE Gas, Inc. | OGS | | | | | | | |
| Capital Spending per Share | | | $ 11.95 | $ 12.23 | $ 12.50 | $ 12.50 | $ 12.50 | |
| Common Shares Outstanding | | | $ 55.50 | $ 56.25 | $ 57.00 | $ 57.00 | $ 57.00 | |
| Capital Expenditures | | | $ 663.23 | $ 687.66 | $ 712.50 | $ 712.50 | $ 712.50 | 57.66% |
| Net Plant | | $ 6,050 | | | | | | |
| Spire, Inc. | SR | | | | | | | |
| Capital Spending per Share | | | $ 12.85 | $ 12.60 | $ 12.35 | $ 12.35 | $ 12.35 | |
| Common Shares Outstanding | | | $ 53.00 | $ 54.00 | $ 55.00 | $ 55.00 | $ 55.00 | |
| Capital Expenditures | | | $ 681.05 | $ 680.40 | $ 679.25 | $ 679.25 | $ 679.25 | 59.12% |
| Net Plant | | $ 5,750 | | | | | | |
| Michigan Gas Utilities Corporation | MGU | | | | | | | |
| Capital Expenditures [8] | | | $ 63.12 | $ 56.73 | $ 48.88 | $ 42.38 | $ 35.27 | 62.84% |
| Net Plant [9] | | $ 392.06 | | | | | | |

Notes:
[1] - [6] Value Line, dated November 24, 2023
[7] Equals (Column [2] + [3] + [4] + [5] + [6]) / Column [1]
[8] Source: Company Provided Data
[9] Source: Company Provided Data




**Projected CAPEX/2023 Net Plant**

| | Company | Ticker | Projected CAPEX / 2023 Net Plant |
|---|---|---|---|
| 1 | Northwest Natural Gas Company | NWN | 47.52% |
| 2 | ONE Gas, Inc. | OGS | 57.66% |
| 3 | Spire, Inc. | SR | 59.12% |
| 4 | Michigan Gas Utilities Corporation | MGU | 62.84% |
| 5 | NiSource Inc. | NI | 68.23% |
| 6 | Atmos Energy Corporation | ATO | 87.40% |
| | Proxy Group Median | | 59.12% |
| | Michigan Gas Utilities Corporation in % of Median | | 1.15 |

Notes:
MGU Schedule D13, pg. 1 col. [7]

**COMPARISON OF**
**REGULATORY RISK ASSESSMENT**

| | | | | [1] | [2] | [3] | [4] | [ |
|---|---|---|---|---|---|---|---|---|
| | | | | | Revenue Stabilization | | | |
| **Company** | **Operating Subsidiary** | **State** | **Utility Type** | **Test Year Convention** | **Revenue Decoupling** | **Formula-Based Rates** | **Straight Fixed Variable Rate Design** | **Overall Stabil** |
| Atmos Energy Corporation | | | | | | | | |
| | Atmos Energy Corporation | Kansas | Gas | Historical | Partial | No | No | |
| | Atmos Energy Corporation | Kentucky | Gas | Fully Forecast | Partial | No | No | |
| | Atmos Energy Corporation | Louisiana | Gas | Historical | Partial | Yes | No | |
| | Atmos Energy Corporation | Mississippi | Gas | Historical | Partial | Yes | No | |
| | Atmos Energy Corporation | Tennessee | Gas | Historical | Partial | Yes | No | |
| | Atmos Energy Corporation | Texas | Gas | Historical | Partial | Yes | No | |
| NiSource Inc. | | | | | | | | |
| | Northern Indiana Public Service Co. | Indiana | Electric | Fully Forecast | Partial | No | No | |
| | Northern Indiana Public Service Co. | Indiana | Gas | Fully Forecast | No | No | No | |
| | Columbia Gas of Kentucky Inc. | Kentucky | Gas | Fully Forecast | Partial | No | No | |
| | Columbia Gas of Maryland Inc. | Maryland | Gas | Partially Forecast | Partial | No | No | |
| | Columbia Gas of Ohio Inc. | Ohio | Gas | Partially Forecast | No | No | Yes | |
| | Columbia Gas of Pennsylvania Inc. | Pennsylvania | Gas | Fully Forecast | Partial | No | No | |
| | Columbia Gas of Virginia Inc. | Virginia | Gas | Historical | Partial | No | No | |
| Northwest Natural Gas Company | | | | | | | | |
| | Northwest Natural Gas Co. | Oregon | Gas | Fully Forecast | Partial | No | No | |
| | Northwest Natural Gas Co. | Washington | Gas | Historical | No | No | No | |
| ONE Gas, Inc. | | | | | | | | |
| | Kansas Gas Service Co. | Kansas | Gas | Historical | Partial | No | No | |
| | Oklahoma Natural Gas Co. | Oklahoma | Gas | Historical | Partial | Yes | No | |
| | Texas Gas Service Co. Inc. | Texas | Gas | Historical | Partial | Yes | No | |
| Spire, Inc. | | | | | | | | |
| | Spire Alabama Inc. | Alabama | Gas | Fully Forecast | Partial | Yes | No | |
| | Spire Gulf Inc. | Alabama | Gas | Fully Forecast | Partial | Yes | No | |
| | Spire Missouri Inc. | Missouri | Gas | Partially Forecast | Partial | No | No | |
| Proxy Group Totals | | | Fully Forecast | 8 | | | | |
| | | | Partially Forecast | 3 | | | | Yes |
| | | | Historical | 10 | | | | No |
| | | | % Forecast | 52.4% | | | | % Yes |
| MGUC [7] | | Michigan | Gas | Fully Forecast | No | No | No | |

Notes:
[1] Regulatory Research Associates, Rate Case History, Company Tariffs, Company Form 10-K.

**SIZE PREMIUM CALCULATION**

Proxy Group Market Capitalization and Market-to-Book Ratio

| Company | Ticker | [1] Market Capitalization ($ billions) |
|---|---|---|
| Atmos Energy Corporation | ATO | 17.28 |
| NiSource Inc. | NI | 10.88 |
| Northwest Natural Gas Company | NWN | 1.42 |
| ONE Gas Inc. | OGS | 3.46 |
| Spire, Inc. | SR | 3.25 |
| Median | | 3.46 |

| | | | |
|---|---|---|---|
| Michigan Gas Utilities Corporation | | | |
| Test Year Rate Base ($millions) | [2] | $ | 509.07 |
| Company-Projected Common Equity Ratio | [3] | | 50.90% |
| Common Equity ($millions) | [4] | $ | 259.12 |
| Market Capitalization of Proxy Group (median) ($millions) | [5] | $ | 3,460.02 |

Kroll Cost of Capital Navigator -- Size Premium

| Breakdown of Deciles 1-10 | | | [6] Market Capitalization of Largest Company ($ millions) | [7] Size Premium |
|---|---|---|---|---|
| 1-Largest | | | 2,662,326.05 | -0.26% |
| 2 | | | 36,391.11 | 0.45% |
| 3 | | | 14,820.05 | 0.57% |
| 4 | | | 7,461.28 | 0.58% |
| 5 | | | 4,621.79 | 0.93% |
| 6 | | | 3,010.81 | 1.16% |
| 7 | | | 1,862.49 | 1.37% |
| 8 | | | 1,046.04 | 1.18% |
| 9 | | | 554.52 | 2.15% |
| 10-Smallest | | | 212.64 | 4.83% |
| Michigan Gas Common Equity | [4] | $ | 259.12 | 2.15% |
| Proxy Group Market Capitalization (median) | [5] | $ | 3,460.02 | 0.93% |
| Size Premium | [8] | | | 1.22% |

Notes:
[1] S&P Capital IQ Pro, equals 30-day average as of January 31, 2024
[2] Data provided by the Company
[3] Data provided by the Company
[4] Equals [2] x [3]
[5] Equals median market capitalization of proxy group x 1000
[6]-[7] Kroll Cost of Capital Navigator - Size Premium: Annual Data as of 12/31/2023
[8] Size Premium of Michigan Gas less Size Premium of Proxy Group

## CAPITAL STRUCTURE ANALYSIS

COMMON EQUITY RATIO [1]

| Proxy Group Company | Ticker | 2022 | 2021 | 2020 | 3-yr Avg. |
|---|---|---|---|---|---|
| Atmos Energy Corporation | ATO | 60.01% | 59.88% | 58.31% | 59.40% |
| NiSource Inc. | NI | 54.17% | 54.85% | 54.43% | 54.48% |
| Northwest Natural Gas Company | NWN | 47.72% | 44.08% | 41.92% | 44.57% |
| One Gas Inc. | OGS | 58.24% | 61.09% | 60.04% | 59.79% |
| Spire Inc. | SR | 47.30% | 49.08% | 52.75% | 49.71% |
| | | | | | |
| Proxy Group | | | | | |
| MEAN | | 53.49% | 53.80% | 53.49% | 53.59% |
| LOW | | 47.30% | 44.08% | 41.92% | 44.57% |
| HIGH | | 60.01% | 61.09% | 60.04% | 59.79% |

COMMON EQUITY RATIO - UTILITY OPERATING COMPANIES [2]

| Company Name | Ticker | 2022 | 2021 | 2020 | 3-yr Avg. |
|---|---|---|---|---|---|
| Atmos Energy Corporation | ATO | 60.01% | 59.88% | 58.31% | 59.40% |
| Northern Indiana Public Service Company LLC | NI | 56.92% | 58.59% | 58.01% | 57.84% |
| Columbia Gas of Kentucky, Inc. | NI | 54.91% | 53.87% | 54.68% | 54.49% |
| Columbia Gas of Maryland, Inc. | NI | 51.96% | 55.26% | 54.95% | 54.06% |
| Columbia Gas of Ohio, Inc. | NI | 50.67% | 50.79% | 50.45% | 50.64% |
| Columbia Gas of Pennsylvania, Inc. | NI | 56.64% | 56.05% | 55.68% | 56.12% |
| Columbia Gas of Virginia, Inc. | NI | 44.25% | 44.52% | 43.69% | 44.15% |
| Northwest Natural Gas Company | NWN | 47.72% | 44.08% | 41.92% | 44.57% |
| Kansas Gas Service Company, Inc. | OGS | 58.37% | 61.37% | 60.33% | 60.02% |
| Oklahoma Natural Gas Company | OGS | 58.26% | 60.99% | 59.85% | 59.70% |
| Texas Gas Service Company, Inc. | OGS | 58.13% | 60.98% | 59.99% | 59.70% |
| Spire Alabama Inc. | SR | 52.01% | 56.67% | 58.82% | 55.84% |
| Spire Gulf Inc. | SR | 41.35% | 41.14% | 39.49% | 40.66% |
| Spire Mississippi Inc. | SR | | 39.18% | 38.74% | 38.96% |
| Spire Missouri Inc. | SR | 45.49% | 46.20% | 50.65% | 47.45% |

Notes:

[1] Ratios are weighted by actual common capital, preferred equity, long-term debt and short-term debt of Operating Subsidiaries.

[2] Natural Gas, Electric and Water operating subsidiaries where data was unable to be obtained for 2022, 2021 and 2020 were removed from the analysis.

**CAPITAL STRUCTURE ANALYSIS**

LONG-TERM DEBT RATIO [1]

| Proxy Group Company | Ticker | 2022 | 2021 | 2020 | 3-yr Avg. |
|---|---|---|---|---|---|
| Atmos Energy Corporation | ATO | 39.99% | 40.12% | 41.69% | 40.60% |
| NiSource Inc. | NI | 45.83% | 45.15% | 45.57% | 45.52% |
| Northwest Natural Gas Company | NWN | 45.46% | 44.85% | 46.45% | 45.59% |
| One Gas Inc. | OGS | 41.76% | 38.91% | 39.96% | 40.21% |
| Spire Inc. | SR | 39.78% | 39.42% | 37.24% | 38.82% |

| Proxy Group | | | | | |
|---|---|---|---|---|---|
| MEAN | | 42.56% | 41.69% | 42.18% | 42.14% |
| LOW | | 39.78% | 38.91% | 37.24% | 38.82% |
| HIGH | | 45.83% | 45.15% | 46.45% | 45.59% |

LONG-TERM DEBT RATIO - UTILITY OPERATING COMPANIES

| Company Name | Ticker | 2022 | 2021 | 2020 | 3-yr Avg. |
|---|---|---|---|---|---|
| Atmos Energy Corporation | ATO | 39.99% | 40.12% | 41.69% | 40.60% |
| Northern Indiana Public Service Company LLC | NI | 43.08% | 41.41% | 41.99% | 42.16% |
| Columbia Gas of Kentucky, Inc. | NI | 45.09% | 46.13% | 45.32% | 45.51% |
| Columbia Gas of Maryland, Inc. | NI | 48.04% | 44.74% | 45.05% | 45.94% |
| Columbia Gas of Ohio, Inc. | NI | 49.33% | 49.21% | 49.55% | 49.36% |
| Columbia Gas of Pennsylvania, Inc. | NI | 43.36% | 43.95% | 44.32% | 43.88% |
| Columbia Gas of Virginia, Inc. | NI | 55.75% | 55.48% | 56.31% | 55.85% |
| Northwest Natural Gas Company | NWN | 45.46% | 44.85% | 46.45% | 45.59% |
| Kansas Gas Service Company, Inc. | OGS | 41.63% | 38.63% | 39.67% | 39.98% |
| Oklahoma Natural Gas Company | OGS | 41.74% | 39.01% | 40.15% | 40.30% |
| Texas Gas Service Company, Inc. | OGS | 41.87% | 39.02% | 40.01% | 40.30% |
| Spire Alabama Inc. | SR | 33.01% | 40.18% | 32.80% | 35.33% |
| Spire Gulf Inc. | SR | 38.77% | 42.00% | 57.90% | 46.22% |
| Spire Mississippi Inc. | SR | | 0.00% | 0.00% | 0.00% |
| Spire Missouri Inc. | SR | 42.91% | 39.42% | 38.72% | 40.35% |

Notes:

[1] Ratios are weighted by actual common capital, preferred equity, long-term debt and short-term debt of Operating Subsidiaries.

[2] Natural Gas, Electric and Water operating subsidiaries where data was unable to be obtained for 2022, 2021 and 2020 were removed from the analysis.

## CAPITAL STRUCTURE ANALYSIS

PREFERRED EQUITY RATIO [1]

| Proxy Group Company | Ticker | 2022 | 2021 | 2020 | 3-yr Avg. |
|---|---|---|---|---|---|
| Atmos Energy Corporation | ATO | 0.00% | 0.00% | 0.00% | 0.00% |
| NiSource Inc. | NI | 0.00% | 0.00% | 0.00% | 0.00% |
| Northwest Natural Gas Company | NWN | 0.00% | 0.00% | 0.00% | 0.00% |
| One Gas Inc. | OGS | 0.00% | 0.00% | 0.00% | 0.00% |
| Spire Inc. | SR | 0.00% | 0.00% | 0.00% | 0.00% |
| | | | | | |
| Proxy Group | | | | | |
| MEAN | | 0.00% | 0.00% | 0.00% | 0.00% |
| LOW | | 0.00% | 0.00% | 0.00% | 0.00% |
| HIGH | | 0.00% | 0.00% | 0.00% | 0.00% |

PREFERRED EQUITY RATIO - UTILITY OPERATING COMPANIES

| Company Name | Ticker | 2022 | 2021 | 2020 | 3-yr Avg. |
|---|---|---|---|---|---|
| Atmos Energy Corporation | ATO | 0.00% | 0.00% | 0.00% | 0.00% |
| Northern Indiana Public Service Company LLC | NI | 0.00% | 0.00% | 0.00% | 0.00% |
| Columbia Gas of Kentucky, Inc. | NI | 0.00% | 0.00% | 0.00% | 0.00% |
| Columbia Gas of Maryland, Inc. | NI | 0.00% | 0.00% | 0.00% | 0.00% |
| Columbia Gas of Ohio, Inc. | NI | 0.00% | 0.00% | 0.00% | 0.00% |
| Columbia Gas of Pennsylvania, Inc. | NI | 0.00% | 0.00% | 0.00% | 0.00% |
| Columbia Gas of Virginia, Inc. | NI | 0.00% | 0.00% | 0.00% | 0.00% |
| Northwest Natural Gas Company | NWN | 0.00% | 0.00% | 0.00% | 0.00% |
| Kansas Gas Service Company, Inc. | OGS | 0.00% | 0.00% | 0.00% | 0.00% |
| Oklahoma Natural Gas Company | OGS | 0.00% | 0.00% | 0.00% | 0.00% |
| Texas Gas Service Company, Inc. | OGS | 0.00% | 0.00% | 0.00% | 0.00% |
| Spire Alabama Inc. | SR | 0.00% | 0.00% | 0.00% | 0.00% |
| Spire Gulf Inc. | SR | 0.00% | 0.00% | 0.00% | 0.00% |
| Spire Mississippi Inc. | SR | | 0.00% | 0.00% | 0.00% |
| Spire Missouri Inc. | SR | 0.00% | 0.00% | 0.00% | 0.00% |

Notes:

[1] Ratios are weighted by actual common capital, preferred equity, long-term debt and short-term debt of Operating Subsidiaries.

[2] Natural Gas, Electric and Water operating subsidiaries where data was unable to be obtained for 2022, 2021 and 2020 were removed from the analysis.

# Schedule E1

Michigan Public Service Commission
Michigan Gas Utilities
Market Outlook: 5-Year Annual Calendar Gas Forecast by Class
Units in MMcf

Case No.: U-21540
Exhibit No.: A-15
Schedule: E1
Page: 1 of 1
Witness: Jared J. Peccarelli

| Line No. | (a) Year | (b) Residential | (c) Commercial | (d) Industrial | (e) Other | (f) Total | (g) Losses and CU | (h) % of Output | (i) System Output |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2024 | 14,410 | 7,161 | 13,523 | - | 35,093 | 397 | 1.1311% | 35,490 |
| 2 | 2025 | 13,793 | 7,434 | 13,067 | - | 34,294 | 388 | 1.1311% | 34,682 |
| 3 | 2026 | 13,821 | 7,516 | 13,249 | - | 34,586 | 391 | 1.1311% | 34,977 |
| 4 | 2027 | 13,882 | 7,600 | 13,378 | - | 34,861 | 394 | 1.1311% | 35,255 |
| 5 | 2028 | 13,951 | 7,633 | 13,508 | - | 35,092 | 397 | 1.1311% | 35,489 |

Notes:
1) Commercial includes Small General Service and Medium General Service
2) Industrial includes Large General Service and EUT volumes

Michigan Gas Utilities Corporation
Gas Cost of Service Study
Test Year Ending December 31, 2025
Level 7 Revenue Requirements
Return Summary by Rate Class

Case No.: U-21540
Exhibit No.: A-16
Schedule: F1.1

Witness: Riley O'Brien

| | (A) | (B) | (C) | (D) | (E) | (F) | (G) | (H) |
|---|---|---|---|---|---|---|---|---|
| Line No. | Line Description | Total MGU Natural Gas | Total GS Residential | Total GS Small Commercial | Total GS Medium Commercial | Total GS Large Commercial | Total Transport | Total Special Contract |
| 1 | Development of Rate Base | | | | | | | |
| 2 | Net Plant | | | | | | | |
| 3 | Total-Utility Plant in Service | 735,319,808 | 475,406,105 | 104,525,853 | 377,517 | 3,626,572 | 151,209,852 | 173,909 |
| 4 | Total-Construction Work in Progress | 9,728,030 | 5,751,655 | 1,464,676 | 6,002 | 58,497 | 2,445,506 | 1,694 |
| 5 | Total-Accumulated Depreciation | (292,060,735) | (195,771,260) | (38,092,350) | (137,017) | (1,308,758) | (56,663,149) | (88,202) |
| 6 | Net Plant | 452,987,103 | 285,386,500 | 67,898,179 | 246,502 | 2,376,311 | 96,992,210 | 87,402 |
| 7 | Other Rate Base Components | | | | | | | |
| 8 | Total-Gas Stored Underground | 20,181,385 | 12,087,157 | 5,545,432 | 29,128 | 295,255 | 2,223,584 | 829 |
| 9 | Total-Material and Supplies | 2,033,967 | 1,379,035 | 263,570 | 828 | 7,733 | 382,247 | 554 |
| 10 | Total-Prepayments | 1,831,048 | 1,130,976 | 289,288 | 1,122 | 10,832 | 398,504 | 326 |
| 11 | Total-Working Capital | 32,033,312 | 14,449,739 | 6,431,103 | 34,275 | 321,460 | 10,795,249 | 1,485 |
| 12 | Total-Other Rate Base Components | 56,079,712 | 29,046,908 | 12,529,394 | 65,353 | 635,280 | 13,799,584 | 3,193 |
| 13 | Total Rate Base | | | | | | | |
| 14 | Total Rate Base | 509,066,815 | 314,433,408 | 80,427,573 | 311,855 | 3,011,591 | 110,791,794 | 90,595 |
| 15 | Operating Income | | | | | | | |
| 16 | Operating Revenues | | | | | | | |
| 17 | Total-Sales Revenue | 180,399,335 | 115,699,922 | 43,264,455 | 204,417 | 2,274,911 | 18,855,708 | 99,923 |
| 18 | Total-Other Operating Revenues | 1,512,805 | 1,009,053 | 316,958 | 1,417 | 15,497 | 169,206 | 674 |
| 19 | Total-Other Misc Revenues | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 20 | Total-Operating Revenues | 181,912,140 | 116,708,975 | 43,581,413 | 205,834 | 2,290,408 | 19,024,914 | 100,597 |
| 21 | Operating Expenses | | | | | | | |
| 22 | Total-Operation & Maintenance | 126,290,238 | 84,329,916 | 32,203,163 | 156,890 | 1,717,922 | 7,871,361 | 10,986 |
| 23 | Total-Book Depreciation Expense | 23,178,254 | 15,270,826 | 3,241,597 | 11,075 | 105,512 | 4,543,860 | 5,384 |
| 24 | Total-Taxes Other than Income Taxes | 11,468,271 | 7,162,843 | 1,776,780 | 6,796 | 65,586 | 2,454,145 | 2,121 |
| 25 | Total-State Income Taxes | (326,859) | (201,890) | (51,640) | (200) | (1,934) | (71,137) | (58) |
| 26 | Total-Federal Income Taxes | (622,260) | (384,349) | (98,311) | (381) | (3,681) | (135,427) | (111) |
| 27 | Total-Deferred Income Taxes | 2,479,711 | 1,531,634 | 391,770 | 1,519 | 14,670 | 539,677 | 441 |
| 28 | Total-Regulatory Debits and Credits | 1,169,995 | 740,279 | 182,863 | 689 | 6,619 | 239,325 | 220 |
| 29 | Total-Investment Tax Credits | (10,569) | (6,528) | (1,670) | (6) | (63) | (2,300) | (2) |
| 30 | Total-Operating Expenses | 163,626,781 | 108,442,731 | 37,644,552 | 176,381 | 1,904,631 | 15,439,505 | 18,981 |
| 31 | Revenue Deficiency | | | | | | | |
| 32 | Revenue Deficiency at Present Rates | | | | | | | |
| 33 | Total-Adjustments to Operating Income | 318,055 | 196,452 | 50,250 | 195 | 1,882 | 69,221 | 57 |
| 34 | Adjusted Operating Income | 18,603,414 | 8,462,696 | 5,987,110 | 29,648 | 387,659 | 3,654,629 | 81,672 |
| 35 | Earned Rate of Return | 0.0365 | 0.0269 | 0.0744 | 0.0951 | 0.1287 | 0.0330 | 0.9015 |
| 36 | Required Rate of Return | 0.0622 | 0.0622 | 0.0622 | 0.0622 | 0.0622 | 0.0622 | 0.0622 |
| 37 | Income Deficiency (Sufficiency) % | 0.0256 | 0.0353 | (0.0123) | (0.0329) | (0.0665) | 0.0292 | (0.8393) |
| 38 | Income Deficiency (Sufficiency) $ | 13,051,204 | 11,089,294 | (985,990) | (10,256) | (200,393) | 3,234,588 | (76,039) |
| 39 | Tax Gross-up Factor | 0.34662 | | | | | | |
| 40 | Additional Taxes on Income Deficiency | 4,523,808 | 2,794,204 | 714,717 | 2,771 | 26,762 | 984,548 | 805 |
| 41 | Revenue Deficiency (Sufficiency) $ | 17,575,013 | 13,883,498 | (271,273) | (7,485) | (173,631) | 4,219,136 | (75,233) |
| 42 | Revenue Deficiency (Sufficiency) % | 0.0974 | 0.1200 | (0.0063) | (0.0366) | (0.0763) | 0.2238 | (0.7529) |
| 43 | Adjustments to Revenue Deficiency | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 44 | Revenue Deficiency After Specified Adjustments $ | 17,575,013 | 13,883,498 | (271,273) | (7,485) | (173,631) | 4,219,136 | (75,233) |
| 45 | Revenue Deficiency After Specified Adjustments % | 0.0974 | 0.1200 | (0.0063) | (0.0366) | (0.0763) | 0.2238 | (0.7529) |
| 46 | Adjustments to Requested Revenue | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 47 | Revenue Deficiency For 2025 Rate Design $ | 17,575,013 | 13,883,498 | (271,273) | (7,485) | (173,631) | 4,219,136 | (75,233) |
| 48 | Revenue Deficiency For 2025 Rate Design % | 0.0974 | 0.1200 | (0.0063) | (0.0366) | (0.0763) | 0.2238 | (0.7529) |
| 49 | Utility Sales (from above) | 180,399,335 | 115,699,922 | 43,264,455 | 204,417 | 2,274,911 | 18,855,708 | 99,923 |
| 50 | Revenue Requirement | 197,974,348 | 129,583,420 | 42,993,182 | 196,933 | 2,101,280 | 23,074,844 | 24,689 |
| 51 | Cost of Gas | 85,020,153 | 56,385,665 | 26,947,551 | 138,850 | 1,546,907 | 0 | 1,179 |
| 52 | Revenue Requirement excl Gas Costs | 112,954,194 | 73,197,754 | 16,045,631 | 58,083 | 554,373 | 23,074,844 | 23,510 |

Michigan Gas Utilities Corporation
Gas Cost of Service Study
Test Year Ending December 31, 2025
Level 7 Revenue Requirements
Balances by Rate Schedule

Case No.: U-21540
Exhibit No.: A-16
Schedule: F1.2
Page: 1 of 2
Witness: Riley O'Brien

| | (A) | (B) | (C) | (D) | (E) | (F) | (G) | (H) | (I) |
|---|---|---|---|---|---|---|---|---|---|
| | | | Residential | | | Small | | | |
| Line No. | Line Description | Total MGU Natural Gas | General Service-Residential | Customer Choice-Residential | Agg Transport-Residential | General Service-Small | Customer Choice-GS-Small | Agg Transport-GS-Small | Transport-TR-1 |
| 1 | Development of Rate Base | | | | | | | | |
| 2 | Net Plant | | | | | | | | |
| 3 | Total-Utility Plant in Service | 735,319,808 | 475,406,105 | 51,060,503 | 66,092 | 104,525,853 | 17,291,525 | 5,138,763 | 15,101,748 |
| 4 | Total-Construction Work in Progress | 9,728,030 | 5,751,655 | 609,881 | 832 | 1,464,676 | 233,195 | 80,929 | 280,080 |
| 5 | Total-Accumulated Depreciation | (292,060,735) | (195,771,260) | (21,083,637) | (21,236) | (38,092,350) | (6,228,698) | (1,798,628) | (5,363,606) |
| 6 | Net Plant | 452,987,103 | 285,386,500 | 30,586,747 | 45,688 | 67,898,179 | 11,296,021 | 3,421,064 | 10,018,223 |
| 7 | Other Rate Base Components | | | | | | | | |
| 8 | Total-Gas Stored Underground | 20,181,385 | 12,087,157 | 1,308,808 | 0 | 5,545,432 | 886,721 | 0 | 0 |
| 9 | Total-Material and Supplies | 2,033,967 | 1,379,035 | 148,417 | 196 | 263,570 | 44,336 | 13,717 | 35,910 |
| 10 | Total-Prepayments | 1,831,048 | 1,130,976 | 121,304 | 174 | 289,288 | 47,832 | 13,830 | 41,599 |
| 11 | Total-Working Capital | 32,033,312 | 14,449,739 | 1,559,662 | 2,405 | 6,431,103 | 1,023,386 | 396,272 | 1,469,523 |
| 12 | Total-Other Rate Base Components | 56,079,712 | 29,046,908 | 3,138,191 | 2,775 | 12,529,394 | 2,002,276 | 423,818 | 1,547,031 |
| 13 | Total Rate Base | | | | | | | | |
| 14 | Total Rate Base | 509,066,815 | 314,433,408 | 33,724,938 | 48,463 | 80,427,573 | 13,298,297 | 3,844,882 | 11,565,254 |
| 15 | Operating Income | | | | | | | | |
| 16 | Operating Revenues | | | | | | | | |
| 17 | Total-Sales Revenue | 180,399,335 | 115,699,922 | 6,369,864 | 10,323 | 43,264,455 | 2,578,504 | 916,988 | 2,763,003 |
| 18 | Total-Other Operating Revenues | 1,512,805 | 1,009,053 | 75,354 | 85 | 316,958 | 21,874 | 6,823 | 19,528 |
| 19 | Total-Other Misc Revenues | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 20 | Total-Operating Revenues | 181,912,140 | 116,708,975 | 6,445,218 | 10,408 | 43,581,413 | 2,600,378 | 923,812 | 2,782,531 |
| 21 | Operating Expenses | | | | | | | | |
| 22 | Total-Operation & Maintenance | 126,290,238 | 84,329,916 | 2,973,113 | 14,206 | 32,203,163 | 836,339 | 589,153 | 819,379 |
| 23 | Total-Book Depreciation Expense | 23,178,254 | 15,270,826 | 1,634,267 | 2,157 | 3,241,597 | 534,834 | 156,568 | 437,222 |
| 24 | Total-Taxes Other than Income Taxes | 11,468,271 | 7,162,843 | 766,618 | 1,328 | 1,776,780 | 292,524 | 92,369 | 254,778 |
| 25 | Total-State Income Taxes | (326,859) | (201,890) | (21,654) | (31) | (51,640) | (8,538) | (2,469) | (7,426) |
| 26 | Total-Federal Income Taxes | (622,260) | (384,349) | (41,224) | (59) | (98,311) | (16,255) | (4,700) | (14,137) |
| 27 | Total-Deferred Income Taxes | 2,479,711 | 1,531,634 | 164,277 | 236 | 391,770 | 64,777 | 18,729 | 56,335 |
| 28 | Total-Regulatory Debits and Credits | 1,169,995 | 740,279 | 79,367 | 113 | 182,863 | 30,315 | 8,427 | 23,937 |
| 29 | Total-Investment Tax Credits | (10,569) | (6,528) | (700) | (1) | (1,670) | (276) | (80) | (240) |
| 30 | Total-Operating Expenses | 163,626,781 | 108,442,731 | 5,554,064 | 17,949 | 37,644,552 | 1,733,718 | 857,998 | 1,569,848 |
| 31 | Revenue Deficiency | | | | | | | | |
| 32 | Revenue Deficiency at Present Rates | | | | | | | | |
| 33 | Total-Adjustments to Operating Income | 318,055 | 196,452 | 21,071 | 30 | 50,250 | 8,309 | 2,402 | 7,226 |
| 34 | Adjusted Operating Income | 18,603,414 | 8,462,696 | 912,225 | (7,510) | 5,987,110 | 874,968 | 68,215 | 1,219,909 |
| 35 | Earned Rate of Return | 0.0365 | 0.0269 | 0.0270 | (0.1550) | 0.0744 | 0.0658 | 0.0177 | 0.1055 |
| 36 | Required Rate of Return | 0.0622 | 0.0622 | 0.0622 | 0.0622 | 0.0622 | 0.0622 | 0.0622 | 0.0622 |
| 37 | Income Deficiency (Sufficiency) % | 0.0256 | 0.0353 | 0.0351 | 0.2171 | (0.0123) | (0.0036) | 0.0444 | (0.0433) |
| 38 | Income Deficiency (Sufficiency) $ | 13,051,204 | 11,089,294 | 1,184,848 | 10,523 | (985,990) | (48,058) | 170,866 | (500,762) |
| 39 | Tax Gross-up Factor | 0.34662 | | | | | | | |
| 40 | Additional Taxes on Income Deficiency | 4,523,808 | 2,794,204 | 299,696 | 431 | 714,717 | 118,175 | 34,167 | 102,774 |
| 41 | Revenue Deficiency (Sufficiency) $ | 17,575,013 | 13,883,498 | 1,484,543 | 10,954 | (271,273) | 70,117 | 205,033 | (397,988) |
| 42 | Revenue Deficiency (Sufficiency) % | 0.0974 | 0.1200 | 0.2331 | 1.0611 | (0.0063) | 0.0272 | 0.2236 | (0.1440) |
| 43 | Adjustments to Revenue Deficiency | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 44 | Revenue Deficiency After Specified Adjustments $ | 17,575,013 | 13,883,498 | 1,484,543 | 10,954 | (271,273) | 70,117 | 205,033 | (397,988) |
| 45 | Revenue Deficiency After Specified Adjustments % | 0.0974 | 0.1200 | 0.2331 | 1.0611 | (0.0063) | 0.0272 | 0.2236 | (0.1440) |
| 46 | Adjustments to Requested Revenue | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 47 | Revenue Deficiency For 2024 Rate Design $ | 17,575,013 | 13,883,498 | 1,484,543 | 10,954 | (271,273) | 70,117 | 205,033 | (397,988) |
| 48 | Revenue Deficiency For 2025 Rate Design % | 0.0974 | 0.1200 | 0.2331 | 1.0611 | (0.0063) | 0.0272 | 0.2236 | (0.1440) |
| 49 | Utility Sales (from above) | 180,399,335 | 115,699,922 | 6,369,864 | 10,323 | 43,264,455 | 2,578,504 | 916,988 | 2,763,003 |
| 50 | Revenue Requirement | 197,974,348 | 129,583,420 | 7,854,408 | 21,277 | 42,993,182 | 2,648,621 | 1,122,022 | 2,365,016 |
| 51 | Cost of Gas | 85,020,153 | 56,385,665 | 0 | 0 | 26,947,551 | 0 | 0 | 0 |
| 52 | Revenue Requirement excl Gas Costs | 112,954,194 | 73,197,754 | 7,854,408 | 21,277 | 16,045,631 | 2,648,621 | 1,122,022 | 2,365,016 |
| 53 | | | | | | | | | |
| 54 | Company Use: Company Use | 0 | | | | | | | |
| 55 | Gas-in-Kind: Gas-in-Kind | 0 | | | | | | | |
| 56 | Lost Gas: Lost Gas | 0 | | | | | | | |

Michigan Gas Utilities Corporation
Gas Cost of Service Study
Test Year Ending December 31, 2025
Level 7 Revenue Requirements
Balances by Rate Schedule

Case No.: U-21540
Exhibit No.: A-16
Schedule: F1.2

Witness: Riley O'Brien

| | (A) | (B) | (J) | (K) | (L) | (M) | (N) | (O) | (P) |
|---|---|---|---|---|---|---|---|---|---|
| | | | Medium | | | Large | | | |
| Line No. | Line Description | Total MGU Natural Gas | Agg Transport-GS-Medium | Customer Choice-GS-Medium | General Service-Medium | General Service-Large | Transport-TR-2 | Customer Choice-GS-Large | Agg Transport-GS-Large |
| 1 | Development of Rate Base | | | | | | | | |
| 2 | Net Plant | | | | | | | | |
| 3 | Total-Utility Plant in Service | 735,319,808 | 748,146 | 26,329 | 377,517 | 3,626,572 | 40,121,974 | 348,906 | 496,125 |
| 4 | Total-Construction Work in Progress | 9,728,030 | 13,082 | 391 | 6,002 | 58,497 | 789,555 | 5,141 | 8,240 |
| 5 | Total-Accumulated Depreciation | (292,060,735) | (275,707) | (9,403) | (137,017) | (1,308,758) | (14,272,566) | (127,408) | (187,030) |
| 6 | Net Plant | 452,987,103 | 485,522 | 17,317 | 246,502 | 2,376,311 | 26,638,963 | 226,639 | 317,335 |
| 7 | Other Rate Base Components | | | | | | | | |
| 8 | Total-Gas Stored Underground | 20,181,385 | 0 | 1,849 | 29,128 | 295,255 | 0 | 26,205 | 0 |
| 9 | Total-Material and Supplies | 2,033,967 | 1,874 | 61 | 828 | 7,733 | 90,318 | 810 | 1,298 |
| 10 | Total-Prepayments | 1,831,048 | 2,023 | 78 | 1,122 | 10,832 | 110,984 | 1,044 | 1,336 |
| 11 | Total-Working Capital | 32,033,312 | 72,893 | 2,248 | 34,275 | 321,460 | 4,015,475 | 35,554 | 51,474 |
| 12 | Total-Other Rate Base Components | 56,079,712 | 76,789 | 4,235 | 65,353 | 635,280 | 4,216,777 | 63,612 | 54,108 |
| 13 | Total Rate Base | | | | | | | | |
| 14 | Total Rate Base | 509,066,815 | 562,310 | 21,552 | 311,855 | 3,011,591 | 30,855,739 | 290,251 | 371,444 |
| 15 | Operating Income | | | | | | | | |
| 16 | Operating Revenues | | | | | | | | |
| 17 | Total-Sales Revenue | 180,399,335 | 159,253 | 3,865 | 204,417 | 2,274,911 | 4,165,063 | 40,206 | 86,914 |
| 18 | Total-Other Operating Revenues | 1,512,805 | 1,135 | 29 | 1,417 | 15,497 | 30,372 | 297 | 620 |
| 19 | Total-Other Misc Revenues | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 20 | Total-Operating Revenues | 181,912,140 | 160,388 | 3,895 | 205,834 | 2,290,408 | 4,195,435 | 40,503 | 87,534 |
| 21 | Operating Expenses | | | | | | | | |
| 22 | Total-Operation & Maintenance | 126,290,238 | 59,941 | 1,174 | 156,890 | 1,717,922 | 1,695,956 | 15,019 | 31,632 |
| 23 | Total-Book Depreciation Expense | 23,178,254 | 21,820 | 773 | 11,075 | 105,512 | 1,143,296 | 10,046 | 14,483 |
| 24 | Total-Taxes Other than Income Taxes | 11,468,271 | 12,849 | 468 | 6,796 | 65,586 | 668,885 | 6,274 | 8,320 |
| 25 | Total-State Income Taxes | (326,859) | (361) | (14) | (200) | (1,934) | (19,812) | (186) | (238) |
| 26 | Total-Federal Income Taxes | (622,260) | (687) | (26) | (381) | (3,681) | (37,717) | (355) | (454) |
| 27 | Total-Deferred Income Taxes | 2,479,711 | 2,739 | 105 | 1,519 | 14,670 | 150,301 | 1,414 | 1,809 |
| 28 | Total-Regulatory Debits and Credits | 1,169,995 | 1,191 | 48 | 689 | 6,619 | 62,214 | 652 | 805 |
| 29 | Total-Investment Tax Credits | (10,569) | (12) | (0) | (6) | (63) | (641) | (6) | (8) |
| 30 | Total-Operating Expenses | 163,626,781 | 97,479 | 2,526 | 176,381 | 1,904,631 | 3,662,483 | 32,858 | 56,349 |
| 31 | Revenue Deficiency | | | | | | | | |
| 32 | Revenue Deficiency at Present Rates | | | | | | | | |
| 33 | Total-Adjustments to Operating Income | 318,055 | 351 | 13 | 195 | 1,882 | 19,278 | 181 | 232 |
| 34 | Adjusted Operating Income | 18,603,414 | 63,260 | 1,382 | 29,648 | 387,659 | 552,230 | 7,827 | 31,417 |
| 35 | Earned Rate of Return | 0.0365 | 0.1125 | 0.0641 | 0.0951 | 0.1287 | 0.0179 | 0.0270 | 0.0846 |
| 36 | Required Rate of Return | 0.0622 | 0.0622 | 0.0622 | 0.0622 | 0.0622 | 0.0622 | 0.0622 | 0.0622 |
| 37 | Income Deficiency (Sufficiency) % | 0.0256 | (0.0503) | (0.0019) | (0.0329) | (0.0665) | 0.0443 | 0.0352 | (0.0224) |
| 38 | Income Deficiency (Sufficiency) $ | 13,051,204 | (28,295) | (42) | (10,256) | (200,393) | 1,366,431 | 10,221 | (8,320) |
| 39 | Tax Gross-up Factor | 0.34662 | | | | | | | |
| 40 | Additional Taxes on Income Deficiency | 4,523,808 | 4,997 | 192 | 2,771 | 26,762 | 274,199 | 2,579 | 3,301 |
| 41 | Revenue Deficiency (Sufficiency) $ | 17,575,013 | (23,298) | 150 | (7,485) | (173,631) | 1,640,629 | 12,801 | (5,020) |
| 42 | Revenue Deficiency (Sufficiency) % | 0.0974 | (0.1463) | 0.0388 | (0.0366) | (0.0763) | 0.3939 | 0.3184 | (0.0578) |
| 43 | Adjustments to Revenue Deficiency | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 44 | Revenue Deficiency After Specified Adjustments $ | 17,575,013 | (23,298) | 150 | (7,485) | (173,631) | 1,640,629 | 12,801 | (5,020) |
| 45 | Revenue Deficiency After Specified Adjustments % | 0.0974 | (0.1463) | 0.0388 | (0.0366) | (0.0763) | 0.3939 | 0.3184 | (0.0578) |
| 46 | Adjustments to Requested Revenue | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 47 | Revenue Deficiency For 2024 Rate Design $ | 17,575,013 | (23,298) | 150 | (7,485) | (173,631) | 1,640,629 | 12,801 | (5,020) |
| 48 | Revenue Deficiency For 2025 Rate Design % | 0.0974 | (0.1463) | 0.0388 | (0.0366) | (0.0763) | 0.3939 | 0.3184 | (0.0578) |
| 49 | Utility Sales (from above) | 180,399,335 | 159,253 | 3,865 | 204,417 | 2,274,911 | 4,165,063 | 40,206 | 86,914 |
| 50 | Revenue Requirement | 197,974,348 | 135,955 | 4,015 | 196,933 | 2,101,280 | 5,805,693 | 53,007 | 81,895 |
| 51 | Cost of Gas | 85,020,153 | 0 | 0 | 138,850 | 1,546,907 | 0 | 0 | 0 |
| 52 | Revenue Requirement excl Gas Costs | 112,954,194 | 135,955 | 4,015 | 58,083 | 554,373 | 5,805,693 | 53,007 | 81,895 |
| 53 | | | | | | | | | |
| 54 | Company Use: Company Use | 0 | | | | | | | |
| 55 | Gas-in-Kind: Gas-in-Kind | 0 | | | | | | | |
| 56 | Lost Gas: Lost Gas | 0 | | | | | | | |

Michigan Gas Utilities Corporation
Gas Cost of Service Study
Test Year Ending December 31, 2025
Level 8 Revenue Requirements
Unbundled Revenue Requirement



| | (A) | (B) | (C) | (D) | (E) | (F) | (G) | (H) | (I) |
|---|---|---|---|---|---|---|---|---|---|
| | | | Residential | | | Small | | | |
| Line No. | Line Description | Total MGU Natural Gas | General Service-Residential | Customer Choice-Residential | Agg Transport-Residential | General Service-Small | Customer Choice GS-Small | Agg Transport-GS-Small | Transport-TR-1 |
| 1 | Units | | | | | | | | |
| 2 | Throughput total | 34,294,114 | 12,443,860 | 1,346,322 | 2,666 | 5,947,106 | 951,896 | 420,113 | 2,129,704 |
| 3 | Customers average | 186,733 | 154,964 | 16,799 | 7 | 12,485 | 2,008 | 223 | 98 |
| 4 | Commodity total | 18,763,259 | 12,443,860 | 0 | 0 | 5,947,106 | 0 | 0 | 0 |
| 5 | | | | | | | | | |
| 6 | Revenue Requirement | | | | | | | | |
| 7 | Cost of Gas | | | | | | | | |
| 8 | Demand | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 |
| 9 | Customer | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 |
| 10 | Commodity | $85,020,153 | $56,385,665 | $0 | $0 | $26,947,551 | $0 | $0 | $0 |
| 11 | Sub-total | **$85,020,153** | **$56,385,665** | **$0** | **$0** | **$26,947,551** | **$0** | **$0** | **$0** |
| 12 | Production | | | | | | | | |
| 13 | Demand | $786,475 | $347,107 | $37,615 | $66 | $152,800 | $24,407 | $10,939 | $39,342 |
| 14 | Customer | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 |
| 15 | Commodity | $861,702 | $571,484 | $0 | $0 | $273,121 | $0 | $0 | $0 |
| 16 | Sub-total | **$1,648,177** | **$918,591** | **$37,615** | **$66** | **$425,921** | **$24,407** | **$10,939** | **$39,342** |
| 17 | Storage | | | | | | | | |
| 18 | Demand | $6,721,024 | $4,025,396 | $435,874 | $0 | $1,846,800 | $295,306 | $0 | $0 |
| 19 | Customer | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 |
| 20 | Commodity | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 |
| 21 | Sub-total | **$6,721,024** | **$4,025,396** | **$435,874** | **$0** | **$1,846,800** | **$295,306** | **$0** | **$0** |
| 22 | Transmission | | | | | | | | |
| 23 | Demand | $10,134,163 | $4,028,625 | $436,204 | $803 | $1,852,491 | $296,232 | $128,387 | $565,112 |
| 24 | Customer | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 |
| 25 | Commodity | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 |
| 26 | Sub-total | **$10,134,163** | **$4,028,625** | **$436,204** | **$803** | **$1,852,491** | **$296,232** | **$128,387** | **$565,112** |
| 27 | Distribution | | | | | | | | |
| 28 | Demand | $26,106,830 | $11,455,794 | $1,252,778 | $2,202 | $5,057,049 | $815,745 | $366,060 | $1,317,474 |
| 29 | Customer | $57,071,409 | $44,445,630 | $4,791,284 | $7,483 | $5,867,851 | $1,058,044 | $258,452 | $219,175 |
| 30 | Commodity | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 |
| 31 | Sub-total | **$83,178,239** | **$55,901,424** | **$6,044,061** | **$9,684** | **$10,924,900** | **$1,873,790** | **$624,512** | **$1,536,649** |
| 32 | Customer | | | | | | | | |
| 33 | Demand | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 |
| 34 | Customer | $11,272,591 | $8,323,718 | $900,654 | $10,724 | $995,519 | $158,887 | $358,183 | $223,912 |
| 35 | Commodity | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 |
| 36 | Sub-total | **$11,272,591** | **$8,323,718** | **$900,654** | **$10,724** | **$995,519** | **$158,887** | **$358,183** | **$223,912** |
| 37 | Grand Total | | | | | | | | |
| 38 | Demand | $43,748,492 | $19,856,922 | $2,162,470 | $3,071 | $8,909,140 | $1,431,690 | $505,386 | $1,921,928 |
| 39 | Customer | $68,344,000 | $52,769,348 | $5,691,938 | $18,207 | $6,863,370 | $1,216,931 | $616,635 | $443,088 |
| 40 | Commodity | $85,881,856 | $56,957,150 | $0 | $0 | $27,220,672 | $0 | $0 | $0 |
| 41 | Sub-total | **$197,974,348** | **$129,583,420** | **$7,854,408** | **$21,277** | **$42,993,182** | **$2,648,621** | **$1,122,022** | **$2,365,016** |

Michigan Gas Utilities Corporation
Gas Cost of Service Study
Test Year Ending December 31, 2025
Level 8 Revenue Requirements
Unbundled Revenue Requirement

| | (A) | (B) | (J) | (K) | (L) | (M) | (N) | (O) | (P) |
|---|---|---|---|---|---|---|---|---|---|
| | | | Medium | | | Large | | | |
| Line No. | Line Description | Total MGU Natural Gas | Agg Transport-GS-Medium | Customer Choice-GS-Medium | General Service-Medium | General Service-Large | Transport-TR-2 | Customer Choice-GS-Large | Agg Transport-GS-Large |
| 1 | Units | | | | | | | | |
| 2 | Throughput total | 34,294,114 | 82,398 | 1,849 | 30,643 | 341,390 | 6,715,089 | 21,316 | 48,401 |
| 3 | Customers average | 186,733 | 16 | 1 | 17 | 62 | 40 | 3 | 6 |
| 4 | Commodity total | 18,763,259 | 0 | 0 | 30,643 | 341,390 | 0 | 0 | 0 |
| 5 | | | | | | | | | |
| 6 | Revenue Requirement | | | | | | | | |
| 7 | Cost of Gas | | | | | | | | |
| 8 | Demand | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 |
| 9 | Customer | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 |
| 10 | Commodity | $85,020,153 | $0 | $0 | $138,850 | $1,546,907 | $0 | $0 | $0 |
| 11 | Sub-total | **$85,020,153** | **$0** | **$0** | **$138,850** | **$1,546,907** | **$0** | **$0** | **$0** |
| 12 | Production | | | | | | | | |
| 13 | Demand | $786,475 | $2,007 | $55 | $819 | $7,465 | $105,131 | $906 | $1,463 |
| 14 | Customer | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 |
| 15 | Commodity | $861,702 | $0 | $0 | $1,407 | $15,678 | $0 | $0 | $0 |
| 16 | Sub-total | **$1,648,177** | **$2,007** | **$55** | **$2,226** | **$23,143** | **$105,131** | **$906** | **$1,463** |
| 17 | Storage | | | | | | | | |
| 18 | Demand | $6,721,024 | $0 | $616 | $9,701 | $98,329 | $0 | $8,727 | $0 |
| 19 | Customer | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 |
| 20 | Commodity | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 |
| 21 | Sub-total | **$6,721,024** | **$0** | **$616** | **$9,701** | **$98,329** | **$0** | **$8,727** | **$0** |
| 22 | Transmission | | | | | | | | |
| 23 | Demand | $10,134,163 | $24,013 | $615 | $9,720 | $98,285 | $1,716,547 | $7,713 | $13,604 |
| 24 | Customer | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 |
| 25 | Commodity | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 |
| 26 | Sub-total | **$10,134,163** | **$24,013** | **$615** | **$9,720** | **$98,285** | **$1,716,547** | **$7,713** | **$13,604** |
| 27 | Distribution | | | | | | | | |
| 28 | Demand | $26,106,830 | $67,169 | $1,828 | $27,146 | $246,765 | $3,526,461 | $30,380 | $49,031 |
| 29 | Customer | $57,071,409 | $14,526 | $750 | $6,718 | $64,768 | $280,577 | $4,024 | $6,922 |
| 30 | Commodity | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 |
| 31 | Sub-total | **$83,178,239** | **$81,695** | **$2,578** | **$33,864** | **$311,533** | **$3,807,039** | **$34,404** | **$55,953** |
| 32 | Customer | | | | | | | | |
| 33 | Demand | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 |
| 34 | Customer | $11,272,591 | $28,241 | $152 | $2,572 | $23,083 | $176,976 | $1,257 | $10,875 |
| 35 | Commodity | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 |
| 36 | Sub-total | **$11,272,591** | **$28,241** | **$152** | **$2,572** | **$23,083** | **$176,976** | **$1,257** | **$10,875** |
| 37 | Grand Total | | | | | | | | |
| 38 | Demand | $43,748,492 | $93,189 | $3,113 | $47,385 | $450,844 | $5,348,139 | $47,725 | $64,098 |
| 39 | Customer | $68,344,000 | $42,766 | $902 | $9,290 | $87,850 | $457,553 | $5,281 | $17,797 |
| 40 | Commodity | $85,881,856 | $0 | $0 | $140,257 | $1,562,586 | $0 | $0 | $0 |
| 41 | Sub-total | **$197,974,348** | **$135,955** | **$4,015** | **$196,933** | **$2,101,280** | **$5,805,693** | **$53,007** | **$81,895** |

| | (A) | (B) | (Q) | (R) |
|---|---|---|---|---|
| | | | Super Large | Other |
| Line No. | Line Description | Total MGU Natural Gas | Transport-TR-3 | Special Contract |
| 1 | Units | | | |
| 2 | Throughput total | 34,294,114 | 3,811,100 | 260 |
| 3 | Customers average | 186,733 | 4 | 1 |
| 4 | Commodity total | 18,763,259 | 0 | 260 |
| 5 | | | | |
| 6 | Revenue Requirement | | | |
| 7 | Cost of Gas | | | |
| 8 | Demand | $0 | $0 | $0 |
| 9 | Customer | $0 | $0 | $0 |
| 10 | Commodity | $85,020,153 | $0 | $1,179 |
| 11 | Sub-total | **$85,020,153** | **$0** | **$1,179** |
| 12 | Production | | | |
| 13 | Demand | $786,475 | $56,313 | $40 |
| 14 | Customer | $0 | $0 | $0 |
| 15 | Commodity | $861,702 | $0 | $12 |
| 16 | Sub-total | **$1,648,177** | **$56,313** | **$52** |
| 17 | Storage | | | |
| 18 | Demand | $6,721,024 | $0 | $276 |
| 19 | Customer | $0 | $0 | $0 |
| 20 | Commodity | $0 | $0 | $0 |
| 21 | Sub-total | **$6,721,024** | **$0** | **$276** |
| 22 | Transmission | | | |
| 23 | Demand | $10,134,163 | $955,548 | $266 |
| 24 | Customer | $0 | $0 | $0 |
| 25 | Commodity | $0 | $0 | $0 |
| 26 | Sub-total | **$10,134,163** | **$955,548** | **$266** |
| 27 | Distribution | | | |
| 28 | Demand | $26,106,830 | $1,889,793 | $1,156 |
| 29 | Customer | $57,071,409 | $26,264 | $18,940 |
| 30 | Commodity | $0 | $0 | $0 |
| 31 | Sub-total | **$83,178,239** | **$1,916,057** | **$20,096** |
| 32 | Customer | | | |
| 33 | Demand | $0 | $0 | $0 |
| 34 | Customer | $11,272,591 | $55,018 | $2,821 |
| 35 | Commodity | $0 | $0 | $0 |
| 36 | Sub-total | **$11,272,591** | **$55,018** | **$2,821** |
| 37 | Grand Total | | | |
| 38 | Demand | $43,748,492 | $2,901,654 | $1,738 |
| 39 | Customer | $68,344,000 | $81,282 | $21,760 |
| 40 | Commodity | $85,881,856 | $0 | $1,191 |
| 41 | Sub-total | **$197,974,348** | **$2,982,936** | **$24,689** |

| | (A) | (B) | (C) | (D) | (E) | (F) | (G) | (H) | (I) |
|---|---|---|---|---|---|---|---|---|---|
| | | | Residential | | | Small | | | |
| Line No. | Line Description | Total MGU Natural Gas | General Service-Residential | Customer Choice-Residential | Agg Transport-Residential | General Service-Small | Customer Choice GS-Small | Agg Transport-GS-Small | Transport-TR-1 |
| 1 | Units | | | | | | | | |
| 2 | Throughput total | 34,294,114 | 12,443,860 | 1,346,322 | 2,666 | 5,947,106 | 951,896 | 420,113 | 2,129,704 |
| 3 | Customers average | 186,733 | 154,964 | 16,799 | 7 | 12,485 | 2,008 | 223 | 98 |
| 4 | Commodity total | 18,763,259 | 12,443,860 | 0 | 0 | 5,947,106 | 0 | 0 | 0 |
| 5 | | | | | | | | | |
| 6 | Rate Base | | | | | | | | |
| 7 | Cost of Gas | | | | | | | | |
| 8 | Demand | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 |
| 9 | Customer | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 |
| 10 | Commodity | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 |
| 11 | Sub-total | **$0** | **$0** | **$0** | **$0** | **$0** | **$0** | **$0** | **$0** |
| 12 | Production | | | | | | | | |
| 13 | Demand | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 |
| 14 | Customer | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 |
| 15 | Commodity | $1,305,391 | $865,740 | $0 | $0 | $413,750 | $0 | $0 | $0 |
| 16 | Sub-total | **$1,305,391** | **$865,740** | **$0** | **$0** | **$413,750** | **$0** | **$0** | **$0** |
| 17 | Storage | | | | | | | | |
| 18 | Demand | $48,847,969 | $29,256,321 | $3,167,901 | $0 | $13,422,424 | $2,146,262 | $0 | $0 |
| 19 | Customer | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 |
| 20 | Commodity | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 |
| 21 | Sub-total | **$48,847,969** | **$29,256,321** | **$3,167,901** | **$0** | **$13,422,424** | **$2,146,262** | **$0** | **$0** |
| 22 | Transmission | | | | | | | | |
| 23 | Demand | $69,133,705 | $27,482,659 | $2,975,713 | $5,477 | $12,637,410 | $2,020,851 | $875,835 | $3,855,105 |
| 24 | Customer | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 |
| 25 | Commodity | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 |
| 26 | Sub-total | **$69,133,705** | **$27,482,659** | **$2,975,713** | **$5,477** | **$12,637,410** | **$2,020,851** | **$875,835** | **$3,855,105** |
| 27 | Distribution | | | | | | | | |
| 28 | Demand | $133,513,796 | $58,925,724 | $6,385,638 | $11,214 | $25,939,670 | $4,143,432 | $1,857,107 | $6,678,861 |
| 29 | Customer | $256,013,493 | $197,706,314 | $21,174,485 | $31,680 | $27,992,149 | $4,984,097 | $1,108,784 | $1,028,804 |
| 30 | Commodity | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 |
| 31 | Sub-total | **$389,527,289** | **$256,632,039** | **$27,560,123** | **$42,894** | **$53,931,818** | **$9,127,529** | **$2,965,891** | **$7,707,665** |
| 32 | Customer | | | | | | | | |
| 33 | Demand | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 |
| 34 | Customer | $252,461 | $196,649 | $21,201 | $92 | $22,170 | $3,654 | $3,156 | $2,485 |
| 35 | Commodity | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 |
| 36 | Sub-total | **$252,461** | **$196,649** | **$21,201** | **$92** | **$22,170** | **$3,654** | **$3,156** | **$2,485** |
| 37 | Grand Total | | | | | | | | |
| 38 | Demand | $251,495,470 | $115,664,704 | $12,529,252 | $16,692 | $51,999,504 | $8,310,545 | $2,732,942 | $10,533,966 |
| 39 | Customer | $256,265,954 | $197,902,963 | $21,195,686 | $31,772 | $28,014,319 | $4,987,752 | $1,111,940 | $1,031,289 |
| 40 | Commodity | $1,305,391 | $865,740 | $0 | $0 | $413,750 | $0 | $0 | $0 |
| 41 | Sub-total | **$509,066,815** | **$314,433,408** | **$33,724,938** | **$48,463** | **$80,427,573** | **$13,298,297** | **$3,844,882** | **$11,565,254** |

Michigan Gas Utilities Corporation
Gas Cost of Service Study
Test Year Ending December 31, 2025
Level 8 Revenue Requirements
Unbundled Rate Base

| | (A) | (B) | (J) | (K) | (L) | (M) | (N) | (O) | (P) |
|---|---|---|---|---|---|---|---|---|---|
| | | | Medium | | | Large | | | |
| Line No. | Line Description | Total MGU Natural Gas | Agg Transport-GS-Medium | Customer Choice GS-Medium | General Service-Medium | General Service-Large | Transport-TR-2 | Customer Choice GS-Large | Agg Transport-GS-Large |
| 1 | Units | | | | | | | | |
| 2 | Throughput total | 34,294,114 | 82,398 | 1,849 | 30,643 | 341,390 | 6,715,089 | 21,316 | 48,401 |
| 3 | Customers average | 186,733 | 16 | 1 | 17 | 62 | 40 | 3 | 6 |
| 4 | Commodity total | 18,763,259 | 0 | 0 | 30,643 | 341,390 | 0 | 0 | 0 |
| 5 | | | | | | | | | |
| 6 | Rate Base | | | | | | | | |
| 7 | Cost of Gas | | | | | | | | |
| 8 | Demand | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 |
| 9 | Customer | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 |
| 10 | Commodity | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 |
| 11 | Sub-total | **$0** | **$0** | **$0** | **$0** | **$0** | **$0** | **$0** | **$0** |
| 12 | Production | | | | | | | | |
| 13 | Demand | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 |
| 14 | Customer | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 |
| 15 | Commodity | $1,305,391 | $0 | $0 | $2,132 | $23,751 | $0 | $0 | $0 |
| 16 | Sub-total | **$1,305,391** | **$0** | **$0** | **$2,132** | **$23,751** | **$0** | **$0** | **$0** |
| 17 | Storage | | | | | | | | |
| 18 | Demand | $48,847,969 | $0 | $4,475 | $70,503 | $714,649 | $0 | $63,428 | $0 |
| 19 | Customer | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 |
| 20 | Commodity | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 |
| 21 | Sub-total | **$48,847,969** | **$0** | **$4,475** | **$70,503** | **$714,649** | **$0** | **$63,428** | **$0** |
| 22 | Transmission | | | | | | | | |
| 23 | Demand | $69,133,705 | $163,812 | $4,197 | $66,307 | $670,483 | $11,710,023 | $52,614 | $92,802 |
| 24 | Customer | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 |
| 25 | Commodity | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 |
| 26 | Sub-total | **$69,133,705** | **$163,812** | **$4,197** | **$66,307** | **$670,483** | **$11,710,023** | **$52,614** | **$92,802** |
| 27 | Distribution | | | | | | | | |
| 28 | Demand | $133,513,796 | $340,680 | $9,266 | $138,986 | $1,267,281 | $17,847,206 | $153,790 | $248,412 |
| 29 | Customer | $256,013,493 | $57,644 | $3,611 | $33,888 | $335,132 | $1,296,416 | $20,401 | $30,144 |
| 30 | Commodity | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 |
| 31 | Sub-total | **$389,527,289** | **$398,324** | **$12,877** | **$172,874** | **$1,602,413** | **$19,143,622** | **$174,191** | **$278,556** |
| 32 | Customer | | | | | | | | |
| 33 | Demand | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 |
| 34 | Customer | $252,461 | $174 | $3 | $39 | $295 | $2,094 | $19 | $86 |
| 35 | Commodity | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 |
| 36 | Sub-total | **$252,461** | **$174** | **$3** | **$39** | **$295** | **$2,094** | **$19** | **$86** |
| 37 | Grand Total | | | | | | | | |
| 38 | Demand | $251,495,470 | $504,492 | $17,939 | $275,796 | $2,652,412 | $29,557,229 | $269,832 | $341,214 |
| 39 | Customer | $256,265,954 | $57,818 | $3,614 | $33,927 | $335,427 | $1,298,510 | $20,419 | $30,230 |
| 40 | Commodity | $1,305,391 | $0 | $0 | $2,132 | $23,751 | $0 | $0 | $0 |
| 41 | Sub-total | **$509,066,815** | **$562,310** | **$21,552** | **$311,855** | **$3,011,591** | **$30,855,739** | **$290,251** | **$371,444** |

Michigan Gas Utilities Corporation
Gas Cost of Service Study
Test Year Ending December 31, 2025
Level 8 Revenue Requirements
Unbundled Rate Base

Case No.: U-21540
Exhibit No.: A-16
Schedule: F1.4

Witness: Riley O'Brien

| | (A) | (B) | (Q) | (R) |
|---|---|---|---|---|
| Line No. | Line Description | Total MGU Natural Gas | Super Large<br>Transport-TR-3 | Other<br>Special Contract |
| 1 | Units | | | |
| 2 | Throughput total | 34,294,114 | 3,811,100 | 260 |
| 3 | Customers average | 186,733 | 4 | 1 |
| 4 | Commodity total | 18,763,259 | 0 | 260 |
| 5 | | | | |
| 6 | Rate Base | | | |
| 7 | Cost of Gas | | | |
| 8 | Demand | $0 | $0 | $0 |
| 9 | Customer | $0 | $0 | $0 |
| 10 | Commodity | $0 | $0 | $0 |
| 11 | Sub-total | **$0** | **$0** | **$0** |
| 12 | Production | | | |
| 13 | Demand | $0 | $0 | $0 |
| 14 | Customer | $0 | $0 | $0 |
| 15 | Commodity | $1,305,391 | $0 | $18 |
| 16 | Sub-total | **$1,305,391** | **$0** | **$18** |
| 17 | Storage | | | |
| 18 | Demand | $48,847,969 | $0 | $2,006 |
| 19 | Customer | $0 | $0 | $0 |
| 20 | Commodity | $0 | $0 | $0 |
| 21 | Sub-total | **$48,847,969** | **$0** | **$2,006** |
| 22 | Transmission | | | |
| 23 | Demand | $69,133,705 | $6,518,603 | $1,813 |
| 24 | Customer | $0 | $0 | $0 |
| 25 | Commodity | $0 | $0 | $0 |
| 26 | Sub-total | **$69,133,705** | **$6,518,603** | **$1,813** |
| 27 | Distribution | | | |
| 28 | Demand | $133,513,796 | $9,559,762 | $6,767 |
| 29 | Customer | $256,013,493 | $129,983 | $79,961 |
| 30 | Commodity | $0 | $0 | $0 |
| 31 | Sub-total | **$389,527,289** | **$9,689,744** | **$86,728** |
| 32 | Customer | | | |
| 33 | Demand | $0 | $0 | $0 |
| 34 | Customer | $252,461 | $315 | $30 |
| 35 | Commodity | $0 | $0 | $0 |
| 36 | Sub-total | **$252,461** | **$315** | **$30** |
| 37 | Grand Total | | | |
| 38 | Demand | $251,495,470 | $16,078,365 | $10,586 |
| 39 | Customer | $256,265,954 | $130,297 | $79,991 |
| 40 | Commodity | $1,305,391 | $0 | $18 |
| 41 | Sub-total | **$509,066,815** | **$16,208,662** | **$90,595** |

Michigan Gas Utilities Corporation
Gas Cost of Service Study
Test Year Ending December 31, 2025
Level 8 Revenue Requirements
Unbundled Unit Costs



| | (A) | (B) | (C) | (D) | (E) | (F) | (G) | (H) | (I) |
|---|---|---|---|---|---|---|---|---|---|
| | | | Residential | | | Small | | | |
| Line No. | Line Description | Total MGU Natural Gas | General Service-Residential | Customer Choice-Residential | Agg Transport-Residential | General Service-Small | Customer Choice GS-Small | Agg Transport-GS-Small | Transport-TR-1 |
| 1 | Units | | | | | | | | |
| 2 | Throughput total | 34,294,114 | 12,443,860 | 1,346,322 | 2,666 | 5,947,106 | 951,896 | 420,113 | 2,129,704 |
| 3 | Customers average | 186,733 | 154,964 | 16,799 | 7 | 12,485 | 2,008 | 223 | 98 |
| 4 | Commodity total | 18,763,259 | 12,443,860 | 0 | 0 | 5,947,106 | 0 | 0 | 0 |
| 5 | | | | | | | | | |
| 6 | Cost per Unit | | | | | | | | |
| 7 | Cost of Gas | | | | | | | | |
| 8 | Demand | $0.0000 | $0.0000 | $0.0000 | $0.0000 | $0.0000 | $0.0000 | $0.0000 | $0.0000 |
| 9 | Customer | $0.0000 | $0.0000 | $0.0000 | $0.0000 | $0.0000 | $0.0000 | $0.0000 | $0.0000 |
| 10 | Commodity | $4.5312 | $4.5312 | $0.0000 | $0.0000 | $4.5312 | $0.0000 | $0.0000 | $0.0000 |
| 11 | Production | | | | | | | | |
| 12 | Demand | $0.0229 | $0.0279 | $0.0279 | $0.0248 | $0.0257 | $0.0256 | $0.0260 | $0.0185 |
| 13 | Customer | $0.0000 | $0.0000 | $0.0000 | $0.0000 | $0.0000 | $0.0000 | $0.0000 | $0.0000 |
| 14 | Commodity | $0.0459 | $0.0459 | $0.0000 | $0.0000 | $0.0459 | $0.0000 | $0.0000 | $0.0000 |
| 15 | Storage | | | | | | | | |
| 16 | Demand | $0.3188 | $0.3235 | $0.3238 | $0.0000 | $0.3105 | $0.3102 | $0.0000 | $0.0000 |
| 17 | Customer | $0.0000 | $0.0000 | $0.0000 | $0.0000 | $0.0000 | $0.0000 | $0.0000 | $0.0000 |
| 18 | Commodity | $0.0000 | $0.0000 | $0.0000 | $0.0000 | $0.0000 | $0.0000 | $0.0000 | $0.0000 |
| 19 | Transmission | | | | | | | | |
| 20 | Demand | $0.2955 | $0.3237 | $0.3240 | $0.3011 | $0.3115 | $0.3112 | $0.3056 | $0.2653 |
| 21 | Customer | $0.0000 | $0.0000 | $0.0000 | $0.0000 | $0.0000 | $0.0000 | $0.0000 | $0.0000 |
| 22 | Commodity | $0.0000 | $0.0000 | $0.0000 | $0.0000 | $0.0000 | $0.0000 | $0.0000 | $0.0000 |
| 23 | Distribution | | | | | | | | |
| 24 | Demand | $0.7613 | $0.9206 | $0.9305 | $0.8257 | $0.8503 | $0.8570 | $0.8713 | $0.6186 |
| 25 | Customer | $25.4693 | $23.9011 | $23.7677 | $89.0793 | $39.1672 | $43.9095 | $96.5816 | $186.3737 |
| 26 | Commodity | $0.0000 | $0.0000 | $0.0000 | $0.0000 | $0.0000 | $0.0000 | $0.0000 | $0.0000 |
| 27 | Customer | | | | | | | | |
| 28 | Demand | $0.0000 | $0.0000 | $0.0000 | $0.0000 | $0.0000 | $0.0000 | $0.0000 | $0.0000 |
| 29 | Customer | $5.0306 | $4.4762 | $4.4678 | $127.6649 | $6.6450 | $6.5939 | $133.8502 | $190.4017 |
| 30 | Commodity | $0.0000 | $0.0000 | $0.0000 | $0.0000 | $0.0000 | $0.0000 | $0.0000 | $0.0000 |
| 31 | Grand Total | | | | | | | | |
| 32 | Demand | $1.3985 | $1.5957 | $1.6062 | $1.1517 | $1.4981 | $1.5040 | $1.2030 | $0.9024 |
| 33 | Customer | $30.4999 | $28.3773 | $28.2355 | $216.7441 | $45.8121 | $50.5035 | $230.4318 | $376.7754 |
| 34 | Commodity | $4.5771 | $4.5771 | $0.0000 | $0.0000 | $4.5771 | $0.0000 | $0.0000 | $0.0000 |

Michigan Gas Utilities Corporation
Gas Cost of Service Study
Test Year Ending December 31, 2025
Level 8 Revenue Requirements
Unbundled Unit Costs

| | (A) | (B) | (J) | (K) | (L) | (M) | (N) | (O) | (P) |
|---|---|---|---|---|---|---|---|---|---|
| | | | Medium | | | Large | | | |
| Line No. | Line Description | Total MGU Natural Gas | Agg Transport-GS-Medium | Customer Choice-GS-Medium | General Service-Medium | General Service-Large | Transport-TR-2 | Customer Choice-GS-Large | Agg Transport-GS-Large |
| 1 | Units | | | | | | | | |
| 2 | Throughput total | 34,294,114 | 82,398 | 1,849 | 30,643 | 341,390 | 6,715,089 | 21,316 | 48,401 |
| 3 | Customers average | 186,733 | 16 | 1 | 17 | 62 | 40 | 3 | 6 |
| 4 | Commodity total | 18,763,259 | 0 | 0 | 30,643 | 341,390 | 0 | 0 | 0 |
| 5 | | | | | | | | | |
| 6 | Cost per Unit | | | | | | | | |
| 7 | Cost of Gas | | | | | | | | |
| 8 | Demand | $0.0000 | $0.0000 | $0.0000 | $0.0000 | $0.0000 | $0.0000 | $0.0000 | $0.0000 |
| 9 | Customer | $0.0000 | $0.0000 | $0.0000 | $0.0000 | $0.0000 | $0.0000 | $0.0000 | $0.0000 |
| 10 | Commodity | $4.5312 | $0.0000 | $0.0000 | $4.5312 | $4.5312 | $0.0000 | $0.0000 | $0.0000 |
| 11 | Production | | | | | | | | |
| 12 | Demand | $0.0229 | $0.0244 | $0.0295 | $0.0267 | $0.0219 | $0.0157 | $0.0425 | $0.0302 |
| 13 | Customer | $0.0000 | $0.0000 | $0.0000 | $0.0000 | $0.0000 | $0.0000 | $0.0000 | $0.0000 |
| 14 | Commodity | $0.0459 | $0.0000 | $0.0000 | $0.0459 | $0.0459 | $0.0000 | $0.0000 | $0.0000 |
| 15 | Storage | | | | | | | | |
| 16 | Demand | $0.3188 | $0.0000 | $0.3331 | $0.3166 | $0.2880 | $0.0000 | $0.4094 | $0.0000 |
| 17 | Customer | $0.0000 | $0.0000 | $0.0000 | $0.0000 | $0.0000 | $0.0000 | $0.0000 | $0.0000 |
| 18 | Commodity | $0.0000 | $0.0000 | $0.0000 | $0.0000 | $0.0000 | $0.0000 | $0.0000 | $0.0000 |
| 19 | Transmission | | | | | | | | |
| 20 | Demand | $0.2955 | $0.2914 | $0.3328 | $0.3172 | $0.2879 | $0.2556 | $0.3618 | $0.2811 |
| 21 | Customer | $0.0000 | $0.0000 | $0.0000 | $0.0000 | $0.0000 | $0.0000 | $0.0000 | $0.0000 |
| 22 | Commodity | $0.0000 | $0.0000 | $0.0000 | $0.0000 | $0.0000 | $0.0000 | $0.0000 | $0.0000 |
| 23 | Distribution | | | | | | | | |
| 24 | Demand | $0.7613 | $0.8152 | $0.9886 | $0.8859 | $0.7228 | $0.5252 | $1.4252 | $1.0130 |
| 25 | Customer | $25.4693 | $75.6552 | $62.5224 | $32.7511 | $87.1689 | $584.5362 | $111.7844 | $101.7100 |
| 26 | Commodity | $0.0000 | $0.0000 | $0.0000 | $0.0000 | $0.0000 | $0.0000 | $0.0000 | $0.0000 |
| 27 | Customer | | | | | | | | |
| 28 | Demand | $0.0000 | $0.0000 | $0.0000 | $0.0000 | $0.0000 | $0.0000 | $0.0000 | $0.0000 |
| 29 | Customer | $5.0306 | $147.0860 | $12.6346 | $12.5403 | $31.0664 | $368.7003 | $34.9208 | $159.7973 |
| 30 | Commodity | $0.0000 | $0.0000 | $0.0000 | $0.0000 | $0.0000 | $0.0000 | $0.0000 | $0.0000 |
| 31 | Grand Total | | | | | | | | |
| 32 | Demand | $1.3985 | $1.1310 | $1.6840 | $1.5464 | $1.3206 | $0.7964 | $2.2389 | $1.3243 |
| 33 | Customer | $30.4999 | $222.7412 | $75.1570 | $45.2913 | $118.2353 | $953.2364 | $146.7052 | $261.5074 |
| 34 | Commodity | $4.5771 | $0.0000 | $0.0000 | $4.5771 | $4.5771 | $0.0000 | $0.0000 | $0.0000 |

Michigan Gas Utilities Corporation
Gas Cost of Service Study
Test Year Ending December 31, 2025
Level 8 Revenue Requirements
Unbundled Unit Costs

Case No.: U-21540
Exhibit No.: A-16
Schedule: F1.5
Page: 3 of 3
Witness: Riley O'Brien

| | (A) | (B) | (Q) | (R) |
|---|---|---|---|---|
| | | | Super Large | Other |
| Line No. | Line Description | Total MGU Natural Gas | Transport-TR-3 | Special Contract |
| 1 | Units | | | |
| 2 | Throughput total | 34,294,114 | 3,811,100 | 260 |
| 3 | Customers average | 186,733 | 4 | 1 |
| 4 | Commodity total | 18,763,259 | 0 | 260 |
| 5 | | | | |
| 6 | Cost per Unit | | | |
| 7 | Cost of Gas | | | |
| 8 | Demand | $0.0000 | $0.0000 | $0.0000 |
| 9 | Customer | $0.0000 | $0.0000 | $0.0000 |
| 10 | Commodity | $4.5312 | $0.0000 | $4.5312 |
| 11 | Production | | | |
| 12 | Demand | $0.0229 | $0.0148 | $0.1532 |
| 13 | Customer | $0.0000 | $0.0000 | $0.0000 |
| 14 | Commodity | $0.0459 | $0.0000 | $0.0459 |
| 15 | Storage | | | |
| 16 | Demand | $0.3188 | $0.0000 | $1.0607 |
| 17 | Customer | $0.0000 | $0.0000 | $0.0000 |
| 18 | Commodity | $0.0000 | $0.0000 | $0.0000 |
| 19 | Transmission | | | |
| 20 | Demand | $0.2955 | $0.2507 | $1.0212 |
| 21 | Customer | $0.0000 | $0.0000 | $0.0000 |
| 22 | Commodity | $0.0000 | $0.0000 | $0.0000 |
| 23 | Distribution | | | |
| 24 | Demand | $0.7613 | $0.4959 | $4.4439 |
| 25 | Customer | $25.4693 | $547.1724 | $1,578.3135 |
| 26 | Commodity | $0.0000 | $0.0000 | $0.0000 |
| 27 | Customer | | | |
| 28 | Demand | $0.0000 | $0.0000 | $0.0000 |
| 29 | Customer | $5.0306 | $1,146.2103 | $235.0495 |
| 30 | Commodity | $0.0000 | $0.0000 | $0.0000 |
| 31 | Grand Total | | | |
| 32 | Demand | $1.3985 | $0.7614 | $6.6789 |
| 33 | Customer | $30.4999 | $1,693.3827 | $1,813.3630 |
| 34 | Commodity | $4.5771 | $0.0000 | $4.5771 |

Schedule F2.1

**Michigan Public Service Commission**
**Michigan Gas Utilities Corporation**
**Summary of Present and Proposed Revenue by Rate Schedule**
**Including Cost of Gas**

| | |
|---|---|
| Case No.: | U-21540 |
| Exhibit No.: | A-16 |
| Schedule: | F2.1 |
| Page: | 1 of 1 |
| Witness: | S. L. Burzycki |
| Date: | March 1, 2024 |

| Line No. | MGUC Rate Schedule | Current Revenue $ | Proposed Revenue $ | Revenue Increase $ | Revenue Increase % |
|---|---|---|---|---|---|
| 1 | Residential | $115,634,942 | $129,576,704 | $13,941,762 | 12.06% |
| 2 | General Service - Small (incl. Comm. Lighting) | 43,264,250 | 44,214,377 | 950,127 | 2.20% |
| 3 | General Service - Medium | 204,417 | 206,539 | 2,122 | 1.04% |
| 4 | General Service - Large | 2,274,910 | 2,313,900 | 38,990 | 1.71% |
| 5 | Special Contract | 99,923 | 99,938 | 16 | 0.02% |
| 6 | TR-1 Transport | 2,763,034 | 2,989,403 | 226,369 | 8.19% |
| 7 | TR-2 Transport | 4,164,919 | 4,641,786 | 476,867 | 11.45% |
| 8 | TR-3 Transport | 1,761,718 | 2,017,129 | 255,411 | 14.50% |
| 9 | Aggregated - Residential to Residential | 10,323 | 13,292 | 2,969 | 28.76% |
| 10 | Aggregated - Small to General Service - Small | 916,976 | 941,699 | 24,723 | 2.70% |
| 11 | Aggregated - Small to General Service - Medium | 159,251 | 162,601 | 3,350 | 2.10% |
| 12 | Aggregated - Large to General Service - Large | 86,914 | 91,180 | 4,265 | 4.91% |
| 13 | Choice - Residential | 6,369,882 | 7,869,110 | 1,499,228 | 23.54% |
| 14 | Choice - General Service - Small | 2,578,055 | 2,724,176 | 146,121 | 5.67% |
| 15 | Choice - General Service - Medium | 3,865 | 3,979 | 114 | 2.94% |
| 16 | Choice - General Service - Large | 40,206 | 42,236 | 2,030 | 5.05% |
| 17 | Inc Assistance Cr in Misc Rev (COSS Sched 13) | 65,100 | 66,300 | 1,200 | 1.84% |
| 18 | Rounding | 651 | | (651) | 0.00% |
| 19 | **TOTAL MGUC** | $180,399,335 | $197,974,348 | $17,575,013 | 9.74% |

Note: Gas costs are included in both the Current Revenues or the Proposed Revenues above.

**Schedule F2.2**

| | |
|---|---|
| **Michigan Public Service Commission** | Case No.: U-21540 |
| **Michigan Gas Utilities Corporation** | Exhibit No.: A-16 |
| **Summary of Present and Proposed Revenue by Rate Schedule** | Schedule: F2.2 |
| **Excluding Cost of Gas** | Page: 1 of 1 |
| | Witness: S. L. Burzycki |
| | Date: March 1, 2024 |

| Line No. | MGUC Rate Schedule | Current Revenue $ | Proposed Revenue $ | Revenue Increase $ | Revenue Increase % |
|---|---|---|---|---|---|
| 1 | Residential | $59,249,323 | $73,191,085 | $13,941,762 | 23.5% |
| 2 | General Service - Small (incl. Comm. Lighting) | 16,316,722 | 17,266,849 | 950,127 | 5.8% |
| 3 | General Service - Medium | 65,567 | 67,689 | 2,122 | 3.2% |
| 4 | General Service - Large | 728,003 | 766,993 | 38,990 | 5.4% |
| 5 | Special Contract | 98,744 | 98,759 | 16 | 0.0% |
| 6 | TR-1 Transport | 2,763,034 | 2,989,403 | 226,369 | 8.2% |
| 7 | TR-2 Transport | 4,164,919 | 4,641,786 | 476,867 | 11.4% |
| 8 | TR-3 Transport | 1,761,718 | 2,017,129 | 255,411 | 14.5% |
| 9 | Aggregated - Residential to Residential | 10,323 | 13,292 | 2,969 | 28.8% |
| 10 | Aggregated - Small to General Service - Small | 916,976 | 941,699 | 24,723 | 2.7% |
| 11 | Aggregated - Small to General Service - Medium | 159,251 | 162,601 | 3,350 | 2.1% |
| 12 | Aggregated - Large to General Service - Large | 86,914 | 91,180 | 4,265 | 4.9% |
| 13 | Choice - Residential | 6,369,882 | 7,869,110 | 1,499,228 | 23.5% |
| 14 | Choice - General Service - Small | 2,578,055 | 2,724,176 | 146,121 | 5.7% |
| 15 | Choice - General Service - Medium | 3,865 | 3,979 | 114 | 2.9% |
| 16 | Choice - General Service - Large | 40,206 | 42,236 | 2,030 | 5.0% |
| 17 | Inc Assistance Cr in Misc Rev (COSS Sched 13) | 65,100 | 66,300 | 1,200 | 5.0% |
| 18 | Rounding | 651 | | (651) | |
| 19 | **TOTAL MGUC** | $95,379,254 | $112,954,266 | $17,575,013 | 18.3% |

Note: No gas costs are included in either the Current Revenues or the Proposed Revenues above.

# Schedule F3.1

**Michigan Public Service Commission**
**Michigan Gas Utilities Corporation**
**Present and Proposed Revenue Detail Including Cost of Gas**

Case No.: U-21540
Exhibit No.: A-16
Schedule: F3.1

Witness: S. L. Burzycki
Date: March 1, 2024

| | (a) | (b) | | (c) | (d) | (e) | (f) |
|---|---|---|---|---|---|---|---|
| | | Billing Determinants | | Present | | Proposed | |
| Line No. | Description | Quantity | Units | Rate | Revenue | Rate | Revenue |
| 1 | **Residential*** | | | | | | |
| 2 | Monthly Customer Charge | 1,859,554 | Bills | $13.00 | $24,174,207 | $13.00 | $24,174,207 |
| 3 | Distribution Charge | 12,443,860 | Mcf | 2.7848 | 34,653,661 | 3.8984 | 48,510,805 |
| 4 | Gas Supply Acquisition Charge | 12,443,860 | Mcf | 0.0391 | 486,555 | 0.0459 | 571,173 |
| 5 | Cost of Gas | 12,443,860 | Mcf | 4.5312 | 56,385,618 | 4.5312 | 56,385,618 |
| 6 | **Provisions** | | | | | | |
| 7 | Income Assistance - RIA | 1,200 | Bills | $ (13.00) | ($15,600) | $ (13.00) | ($15,600) |
| 8 | Income Assistance - SIA | 3,000 | Bills | $ (6.50) | (19,500) | $ (6.50) | (19,500) |
| 9 | Income Assistance - LIAC | 1,000 | Bills | $ (30.00) | (30,000) | $ (30.00) | (30,000) |
| 10 | **Total Residential** | | | | **$115,634,942** | | **$129,576,704** |
| 11 | | | | | | | |
| 12 | **Notice Calculation** | | | | | | |
| 13 | Monthly Customer Charges | 12 | Bills | $13.00 | $156 | $13.00 | $156 |
| 14 | Distribution Charge | 80.3 | Mcf | 2.7848 | 224 | 3.8984 | 313 |
| 15 | Gas Supply Acquisition Charge | 80.3 | Mcf | 0.0391 | 3 | 0.0459 | 4 |
| 16 | Cost of Gas | 80.3 | Mcf | 4.5312 | 364 | 4.5312 | 364 |
| 17 | **Total Annual Residential Bill** | | | | **$747** | | **$837** |
| 18 | | | | | | | |
| 19 | **Annual Residential Increase** | | | | | 12.0% | **$89.97** |
| 20 | **Monthly Residential Increase** | | | | | 12.0% | **$7.50** |

## Schedule F3.1

**Michigan Public Service Commission**
**Michigan Gas Utilities Corporation**
**Present and Proposed Revenue Detail Including Cost of Gas**

Case No.: U-21540
Exhibit No.: A-16
Schedule: F3.1

Witness: S. L. Burzycki
Date: March 1, 2024

| | (a) | (b) | | (c) | (d) | (e) | (f) |
|---|---|---|---|---|---|---|---|
| Line | | **Billing Determinants** | | **Present** | | **Proposed** | |
| No. | **Description** | **Quantity** | **Units** | **Rate** | **Revenue** | **Rate** | **Revenue** |
| 1 | **General Service - Small* (incl. Comm. Lighting)** | | | | | | |
| 2 | Monthly Customer Charge | 149,823 | Bills | $35.00 | $5,243,805 | $40.00 | $5,992,920 |
| 3 | Distribution Charge | 5,947,106.2 | Mcf | 1.8228 | 10,840,385 | 1.8498 | 11,000,957 |
| 4 | Gas Supply Acquisition Charge | 5,947,106.2 | Mcf | 0.0391 | 232,532 | 0.0459 | 272,972 |
| 5 | Cost of Gas | 5,947,106.2 | Mcf | 4.5312 | 26,947,528 | 4.5312 | 26,947,528 |
| 6 | **Total General Service - Small** | | | | **$43,264,250** | | **$44,214,377** |
| 7 | | | | | | | |
| 8 | | | | | | | |
| 9 | **General Service - Medium*** | | | | | | |
| 10 | Monthly Customer Charge | 205 | Bills | 50.00 | $10,250 | 55.00 | $11,275 |
| 11 | Distribution Charge | 30,643.0 | Mcf | 1.7661 | 54,119 | 1.7951 | 55,007 |
| 12 | Gas Supply Acquisition Charge | 30,643.0 | Mcf | 0.0391 | 1,198 | 0.0459 | 1,407 |
| 13 | Cost of Gas | 30,643.0 | Mcf | 4.5312 | 138,850 | 4.5312 | 138,850 |
| 14 | **Total General Service - Medium** | | | | **$204,417** | | **$206,539** |
| 15 | | | | | | | |
| 16 | | | | | | | |
| 17 | **General Service - Large*** | | | | | | |
| 18 | Monthly Customer Charge | 743 | Bills | $425.00 | $315,775 | $450.00 | $334,350 |
| 19 | Distribution Charge | 341,390.0 | Mcf | 1.1684 | 398,880 | 1.2214 | 416,974 |
| 20 | Gas Supply Acquisition Charge | 341,390.0 | Mcf | 0.0391 | 13,348 | 0.0459 | 15,670 |
| 21 | Cost of Gas | 341,390.0 | Mcf | 4.5312 | 1,546,906 | 4.5312 | 1,546,906 |
| 22 | **Total General Service - Large** | | | | **$2,274,910** | | **$2,313,900** |

**Michigan Public Service Commission**
**Michigan Gas Utilities Corporation**
**Present and Proposed Revenue Detail Including Cost of Gas**

Case No.: U-21540
Exhibit No.: A-16
Schedule: F3.1

Witness: S. L. Burzycki
Date: March 1, 2024

| | (a) | (b) | | (c) | (d) | (e) | (f) |
|---|---|---|---|---|---|---|---|
| Line | | Billing Determinants | | Present | | Proposed | |
| No. | Description | Quantity | Units | Rate | Revenue | Rate | Revenue |
| 1 | **Special Contract** | | | | | | |
| 2 | Monthly Customer Charge | 12 | Bills | $8,202 | $98,429 | $8,202.45 | $98,429 |
| 3 | Distribution Charge | 260.2 | Mcf | 1.2075 | 314 | 1.2673 | 330 |
| 4 | Gas Supply Acquisition Charge | 260.2 | Mcf | 0.0000 | 0 | 0.0000 | 0 |
| 5 | Cost of Gas | 260.2 | Mcf | 4.5312 | 1,179 | 4.5312 | 1,179 |
| 6 | **Total Special Contract** | | | | **$99,923** | | **$99,938** |

## Schedule F3.1

**Michigan Public Service Commission**
**Michigan Gas Utilities Corporation**
**Present and Proposed Revenue Detail Including Cost of Gas**

Case No.: U-21540
Exhibit No.: A-16
Schedule: F3.1

Witness: S. L. Burzycki
Date: March 1, 2024

| | (a) | (b) | | (c) | (d) | (e) | (f) |
|---|---|---|---|---|---|---|---|
| Line | | Billing Determinants | | Present | | Proposed | |
| No. | Description | Quantity | Units | Rate | Revenue | Rate | Revenue |
| 1 | **TR-1 Transport** | | | | | | |
| 2 | Customer Charge | 1,176 | Bills | $925.00 | $1,087,800 | $1,000.00 | $1,176,000 |
| 3 | Distribution Charge - Peak | 1,185,486.7 | Mcf | 0.8606 | 1,020,230 | 0.9133 | 1,082,705 |
| 4 | Off Peak | 944,217.6 | Mcf | 0.6937 | 655,004 | 0.7739 | 730,698 |
| 5 | **Total TR-1 Transport** | | | | **$2,763,034** | | **$2,989,403** |
| 1 | **TR-2 Transport** | | | | | | |
| 2 | Customer Charge | 480 | Bills | $ 2,525.00 | $1,212,000 | $ 2,600.00 | $1,248,000 |
| 3 | Distribution Charge - Peak | 3,157,022.6 | Mcf | 0.5268 | 1,663,120 | 0.5779 | 1,824,443 |
| 4 | Off Peak | 3,558,066.2 | Mcf | 0.3625 | 1,289,799 | 0.4411 | 1,569,342 |
| 5 | **Total TR-2 Transport** | | | | **$4,164,919** | | **$4,641,786** |
| 1 | **TR-3 Transport** | | | | | | |
| 2 | Customer Charge | 48 | Bills | $ 3,205.00 | $153,840 | $ 3,300.00 | $158,400 |
| 3 | Distribution Charge - Peak | 1,706,689.4 | Mcf | 0.5135 | 876,385 | 0.5641 | 962,743 |
| 4 | Off Peak | 2,104,410.6 | Mcf | 0.3476 | 731,493 | 0.4258 | 895,986 |
| 5 | **Total TR-3 Transport** | | | | **$1,761,718** | | **$2,017,129** |

## Schedule F3.1

**Michigan Public Service Commission**
**Michigan Gas Utilities Corporation**
**Present and Proposed Revenue Detail Including Cost of Gas**

Case No.: U-21540
Exhibit No.: A-16
Schedule: F3.1
Page: 5 of 6
Witness: S. L. Burzycki
Date: March 1, 2024

| | (a) | (b) | | (c) | (d) | (e) | (f) |
|---|---|---|---|---|---|---|---|
| | | **Billing Determinants** | | **Present** | | **Proposed** | |
| Line No. | **Description** | **Quantity** | **Units** | **Rate** | **Revenue** | **Rate** | **Revenue** |
| 1 | **Aggregated - Residential to Residential** | | | | | | |
| 2 | Customer Charge | 84 | Bills | $ 34.50 | $2,898 | $ 34.50 | $2,898 |
| 3 | Distribution Charge | 2,666.3 | Mcf | 2.7848 | 7,425 | 3.8984 | 10,394 |
| 4 | Total | | | | **$10,323** | | **$13,292** |
| 5 | | | | | | | |
| 6 | **Aggregated - Small to General Service - Small** | | | | | | |
| 7 | Customer Charge | 2,676 | Bills | 56.50 | $151,194 | 61.50 | $ 164,574 |
| 8 | Distribution Charge | 420,112.8 | Mcf | 1.8228 | 765,782 | 1.8498 | 777,125 |
| 9 | Total | | | | **$916,976** | | **$941,699** |
| 10 | | | | | | | |
| 11 | **Aggregated - Small to General Service - Medium** | | | | | | |
| 12 | Customer Charge | 192 | Bills | 71.50 | $13,728 | 76.50 | $ 14,688 |
| 13 | Distribution Charge | 82,398.2 | Mcf | 1.7661 | 145,523 | 1.7951 | 147,913 |
| 14 | Total | | | | **$159,251** | | **$162,601** |
| 15 | | | | | | | |
| 16 | **Aggregated - Large to General Service - Large** | | | | | | |
| 17 | Customer Charge | 68 | Bills | 446.50 | $30,362 | 471.50 | $ 32,062 |
| 18 | Distribution Charge | 48,401.4 | Mcf | 1.1684 | 56,552 | 1.2214 | 59,118 |
| 19 | Total | | | | **$86,914** | | **$91,180** |
| 20 | | | | | | | |
| 21 | **Total Aggregated** | | | | **$1,014,213** | | **$1,046,170** |

## Schedule F3.1

**Michigan Public Service Commission**
**Michigan Gas Utilities Corporation**
**Present and Proposed Revenue Detail Including Cost of Gas**

Case No.: U-21540
Exhibit No.: A-16
Schedule: F3.1

Witness: S. L. Burzycki
Date: March 1, 2024

| | (a) | (b) | | (c) | (d) | (e) | (f) |
|---|---|---|---|---|---|---|---|
| Line | | **Billing Determinants** | | **Present** | | **Proposed** | |
| No. | **Description** | **Quantity** | **Units** | **Rate** | **Revenue** | **Rate** | **Revenue** |
| 1 | **Choice - Residential** | | | | | | |
| 2 | Customer Charge | 201,588 | Bills | $ 13.00 | $2,620,644 | $ 13.00 | $2,620,644 |
| 3 | Distribution Charge | 1,346,322.3 | Mcf | 2.7848 | 3,749,238 | 3.8984 | 5,248,466 |
| 4 | Total | | | | **$6,369,882** | | **$7,869,110** |
| 5 | | | | | | | |
| 6 | **Choice - General Service - Small** | | | | | | |
| 7 | Customer Charge | 24,084 | Bills | 35.00 | $842,940 | 40.00 | $963,360 |
| 8 | Distribution Charge | 951,895.6 | Mcf | 1.8228 | 1,735,115 | 1.8498 | 1,760,816 |
| 9 | Total | | | | **$2,578,055** | | **$2,724,176** |
| 10 | | | | | | | |
| 11 | **Choice - General Service - Medium** | | | | | | |
| 12 | Customer Charge | 12 | Bills | 50.00 | $600 | 55.00 | $660 |
| 13 | Distribution Charge | 1,848.8 | Mcf | 1.7661 | 3,265 | 1.7951 | 3,319 |
| 14 | Total | | | | **$3,865** | | **$3,979** |
| 15 | | | | | | | |
| 16 | **Choice - General Service - Large** | | | | | | |
| 17 | Customer Charge | 36 | Bills | 425.00 | $15,300 | 450.00 | $16,200 |
| 18 | Distribution Charge | 21,316.3 | Mcf | 1.1684 | 24,906 | 1.2214 | 26,036 |
| 19 | Total | | | | **$40,206** | | **$42,236** |
| 20 | | | | | | | |
| 21 | **Total Choice** | | | | **$8,988,143** | | **$10,635,522** |
| 22 | | | | | | | |
| 23 | **MGUC Totals** | | | | | | |
| 24 | Monthly Customer Charge | 2,240,781.4 | Bills | | $35,973,773 | | $37,008,668 |
| 25 | Income Assistance Provision Credits | 5,200.0 | Bills | | ($65,100) | | ($65,100) |
| 26 | Distribution Charge | 34,294,114.1 | Mcf | | 58,671,196.6 | | 75,083,177.1 |
| 27 | Gas Supply Acquisition Charge | 18,732,616.4 | Mcf | | 733,633 | | 861,222 |
| 28 | Cost of Gas | 18,732,616.4 | Mcf | | 85,020,081 | | 85,020,081 |
| 29 | **Total MGUC** | | | | **$180,333,584** | | **$197,908,048** |

# Schedule F3.2

**Michigan Public Service Commission**
**Michigan Gas Utilities Corporation**
**Present and Proposed Revenue Detail Excluding Cost of Gas**

Case No.: U-21540
Exhibit No.: A-16
Schedule: F3.2
Page: 1 of 6
Witness: S. L. Burzycki
Date: March 1, 2024

| | (a) | (b) | | (c) | (d) | (e) | (f) |
|---|---|---|---|---|---|---|---|
| Line | | **Billing Determinants** | | **Present** | | **Proposed** | |
| No. | **Description** | **Quantity** | **Units** | **Rate** | **Revenue** | **Rate** | **Revenue** |
| 1 | **Residential*** | | | | | | |
| 2 | Monthly Customer Charge | 1,859,554 | Bills | $13.00 | $24,174,207 | $13.00 | $24,174,207 |
| 3 | Distribution Charge | 12,443,860 | Mcf | 2.7848 | 34,653,661 | 3.8984 | 48,510,805 |
| 4 | Gas Supply Acquisition Charge | 12,443,860 | Mcf | 0.0391 | 486,555 | 0.0459 | 571,173 |
| 5 | Cost of Gas | 12,443,860 | Mcf | 0.0000 | 0 | 0.0000 | 0 |
| 6 | **Provisions** | | | | | | |
| 7 | Income Assistance - RIA | 1,200 | Bills | $ (13.00) | ($15,600) | $ (13.00) | ($15,600) |
| 8 | Income Assistance - SIA | 3,000 | Bills | $ (6.50) | (19,500) | $ (6.50) | (19,500) |
| 9 | Income Assistance - LIAC | 1,000 | Bills | $ (30.00) | (30,000) | $ (30.00) | (30,000) |
| 10 | **Total Residential** | | | | **$59,249,323** | | **$73,191,085** |
| 11 | | | | | | | |
| 12 | **Notice Calculation** | | | | | | |
| 13 | Monthly Customer Charges | 12 | Bills | $13.00 | $156 | $13.00 | $156 |
| 14 | Distribution Charge | 80.3 | Mcf | 2.7848 | 224 | 3.8984 | 313 |
| 15 | Gas Supply Acquisition Charge | 80.3 | Mcf | 0.0391 | 3 | 0.0459 | 4 |
| 16 | Cost of Gas | 80.3 | Mcf | 0.0000 | 0 | 0.0000 | 0 |
| 17 | **Total Annual Residential Bill** | | | | **$383** | | **$473** |
| 18 | | | | | | | |
| 19 | **Annual Residential Increase** | | | | | | **$89.97** |
| 20 | | | | | | | |
| 21 | **Monthly Residential Increase** | | | | | | **$7.50** |

## Schedule F3.2

**Michigan Public Service Commission**
**Michigan Gas Utilities Corporation**
**Present and Proposed Revenue Detail Excluding Cost of Gas**

Case No.: U-21540
Exhibit No.: A-16
Schedule: F3.2

Witness: S. L. Burzycki
Date: March 1, 2024

| | (a) | (b) | | (c) | (d) | (e) | (f) |
|---|---|---|---|---|---|---|---|
| Line | | Billing Determinants | | Present | | Proposed | |
| No. | Description | Quantity | Units | Rate | Revenue | Rate | Revenue |
| 1 | **General Service - Small* (incl. Comm. Lighting)** | | | | | | |
| 2 | Monthly Customer Charge | 149,823 | Bills | $35.00 | $5,243,805 | $40.00 | $5,992,920 |
| 3 | Distribution Charge | 5,947,106.2 | Mcf | 1.8228 | 10,840,385 | 1.8498 | 11,000,957 |
| 4 | Gas Supply Acquisition Charge | 5,947,106.2 | Mcf | 0.0391 | 232,532 | 0.0459 | 272,972 |
| 5 | Cost of Gas | 5,947,106.2 | Mcf | 0.0000 | 0 | 0.0000 | 0 |
| 6 | **Total General Service - Small** | | | | **$16,316,722** | | **$17,266,849** |
| 7 | | | | | | | |
| 8 | | | | | | | |
| 9 | **General Service - Medium*** | | | | | | |
| 10 | Monthly Customer Charge | 205 | Bills | 50.00 | $10,250 | 55.00 | $11,275 |
| 11 | Distribution Charge | 30,643.0 | Mcf | 1.7661 | 54,119 | 1.7951 | 55,007 |
| 12 | Gas Supply Acquisition Charge | 30,643.0 | Mcf | 0.0391 | 1,198 | 0.0459 | 1,407 |
| 13 | Cost of Gas | 30,643.0 | Mcf | 0.0000 | 0 | 0.0000 | 0 |
| 14 | **Total General Service - Medium** | | | | **$65,567** | | **$67,689** |
| 15 | | | | | | | |
| 16 | | | | | | | |
| 17 | **General Service - Large*** | | | | | | |
| 18 | Monthly Customer Charge | 743 | Bills | $425.00 | $315,775 | $450.00 | $334,350 |
| 19 | Distribution Charge | 341,390.0 | Mcf | 1.1684 | 398,880 | 1.2214 | 416,974 |
| 20 | Gas Supply Acquisition Charge | 341,390.0 | Mcf | 0.0391 | 13,348 | 0.0459 | 15,670 |
| 21 | Cost of Gas | 341,390.0 | Mcf | 0.0000 | 0 | 0.0000 | 0 |
| 22 | **Total General Service - Large** | | | | **$728,003** | | **$766,993** |

# Schedule F3.2

**Michigan Public Service Commission**
**Michigan Gas Utilities Corporation**
**Present and Proposed Revenue Detail Excluding Cost of Gas**

Case No.: U-21540
Exhibit No.: A-16
Schedule: F3.2
Page: 3 of 6
Witness: S. L. Burzycki
Date: March 1, 2024

| | (a) | (b) | | (c) | (d) | (e) | (f) |
|---|---|---|---|---|---|---|---|
| Line | | **Billing Determinants** | | **Present** | | **Proposed** | |
| No. | **Description** | **Quantity** | **Units** | **Rate** | **Revenue** | **Rate** | **Revenue** |
| 1 | **Special Contract** | | | | | | |
| 2 | Monthly Customer Charge | 12 | Bills | $8,202.45 | $98,429 | $8,202.45 | $98,429 |
| 3 | Distribution Charge | 260.2 | Mcf | 1.2075 | 314 | 1.2673 | 330 |
| 4 | Gas Supply Acquisition Charge | 260.2 | Mcf | 0.0000 | 0 | 0.0000 | 0 |
| 5 | Cost of Gas | 260.2 | Mcf | 0.0000 | 0 | 0.0000 | 0 |
| 6 | **Total Special Contract** | | | | **$98,744** | | **$98,759** |

## Schedule F3.2

**Michigan Public Service Commission**
**Michigan Gas Utilities Corporation**
**Present and Proposed Revenue Detail Excluding Cost of Gas**

Case No.: U-21540
Exhibit No.: A-16
Schedule: F3.2

Witness: S. L. Burzycki
Date: March 1, 2024

| | (a) | (b) | | (c) | (d) | (e) | (f) |
|---|---|---|---|---|---|---|---|
| | | **Billing Determinants** | | **Present** | | **Proposed** | |
| **Line No.** | **Description** | **Quantity** | **Units** | **Rate** | **Revenue** | **Rate** | **Revenue** |
| 1 | **TR-1 Transport** | | | | | | |
| 2 | Customer Charge | 1,176 | Bills | $925.00 | $1,087,800 | $1,000.00 | $1,176,000 |
| 3 | Distribution Charge - Peak | 1,185,486.7 | Mcf | 0.8606 | 1,020,230 | 0.9133 | 1,082,705 |
| 4 | Off Peak | 944,217.6 | Mcf | 0.6937 | 655,004 | 0.7739 | 730,698 |
| 5 | **Total TR-1 Transport** | | | | **$2,763,034** | | **$2,989,403** |
| 6 | | | | | | | |
| 7 | | | | | | | |
| 8 | **TR-2 Transport** | | | | | | |
| 9 | Customer Charge | 480 | Bills | $ 2,525.00 | $1,212,000 | $ 2,600.00 | $1,248,000 |
| 10 | Distribution Charge - Peak | 3,157,022.6 | Mcf | 0.5268 | 1,663,120 | 0.5779 | 1,824,443 |
| 11 | Off Peak | 3,558,066.2 | Mcf | 0.3625 | 1,289,799 | 0.4411 | 1,569,342 |
| 12 | **Total TR-2 Transport** | | | | **$4,164,919** | | **$4,641,786** |
| 13 | | | | | | | |
| 14 | | | | | | | |
| 15 | **TR-3 Transport** | | | | | | |
| 16 | Customer Charge | 48 | Bills | $ 3,205.00 | $153,840 | $ 3,300.00 | $158,400 |
| 17 | Distribution Charge - Peak | 1,706,689.4 | Mcf | 0.5135 | 876,385 | 0.5641 | 962,743 |
| 18 | Off Peak | 2,104,410.6 | Mcf | 0.3476 | 731,493 | 0.4258 | 895,986 |
| 19 | **Total TR-3 Transport** | | | | **$1,761,718** | | **$2,017,129** |

## Schedule F3.2

**Michigan Public Service Commission**
**Michigan Gas Utilities Corporation**
**Present and Proposed Revenue Detail Excluding Cost of Gas**

Case No.: U-21540
Exhibit No.: A-16
Schedule: F3.2

Witness: S. L. Burzycki
Date: March 1, 2024

| | (a) | (b) | | (c) | (d) | (e) | (f) |
|---|---|---|---|---|---|---|---|
| Line | | **Billing Determinants** | | **Present** | | **Proposed** | |
| No. | **Description** | **Quantity** | **Units** | **Rate** | **Revenue** | **Rate** | **Revenue** |
| 1 | **Aggregated - Residential to Residential** | | | | | | |
| 2 | Customer Charge | 84 | Bills | $ 34.50 | $2,898 | $ 34.50 | $2,898 |
| 3 | Distribution Charge | 2,666.3 | Mcf | 2.7848 | 7,425 | 3.8984 | 10,394 |
| 4 | Total | | | | **$10,323** | | **$13,292** |
| 5 | | | | | | | |
| 6 | **Aggregated - Small to General Service - Small** | | | | | | |
| 7 | Customer Charge | 2,676 | Bills | 56.50 | $151,194 | 61.50 | $ 164,574 |
| 8 | Distribution Charge | 420,112.8 | Mcf | 1.8228 | 765,782 | 1.8498 | 777,125 |
| 9 | Total | | | | **$916,976** | | **$941,699** |
| 10 | | | | | | | |
| 11 | **Aggregated - Small to General Service - Medium** | | | | | | |
| 12 | Customer Charge | 192 | Bills | 71.50 | $13,728 | 76.50 | $ 14,688 |
| 13 | Distribution Charge | 82,398.2 | Mcf | 1.7661 | 145,523 | 1.7951 | 147,913 |
| 14 | Total | | | | **$159,251** | | **$162,601** |
| 15 | | | | | | | |
| 16 | **Aggregated - Large to General Service - Large** | | | | | | |
| 17 | Customer Charge | 68 | Bills | 446.50 | $30,362 | 471.50 | $ 32,062 |
| 18 | Distribution Charge | 48,401.4 | Mcf | 1.1684 | 56,552 | 1.2214 | 59,118 |
| 19 | Total | | | | **$86,914** | | **$91,180** |
| 20 | | | | | | | |
| 21 | **Total Aggregated** | | | | **$1,014,213** | | **$1,046,170** |

# Schedule F3.2

**Michigan Public Service Commission**
**Michigan Gas Utilities Corporation**
**Present and Proposed Revenue Detail Excluding Cost of Gas**

Case No.: U-21540
Exhibit No.: A-16
Schedule: F3.2

Witness: S. L. Burzycki
Date: March 1, 2024

| | (a) | (b) | | (c) | (d) | (e) | (f) |
|---|---|---|---|---|---|---|---|
| Line | | Billing Determinants | | Present | | Proposed | |
| No. | Description | Quantity | Units | Rate | Revenue | Rate | Revenue |
| 1 | **Choice - Residential** | | | | | | |
| 2 | Customer Charge | 201,588 | Bills | $ 13.00 | $2,620,644 | $ 13.00 | $2,620,644 |
| 3 | Distribution Charge | 1,346,322.3 | Mcf | 2.7848 | 3,749,238 | 3.8984 | 5,248,466 |
| 4 | Total | | | | **$6,369,882** | | **$7,869,110** |
| 5 | | | | | | | |
| 6 | **Choice - General Service - Small** | | | | | | |
| 7 | Customer Charge | 24,084 | Bills | 35.00 | $842,940 | 40.00 | $963,360 |
| 8 | Distribution Charge | 951,895.6 | Mcf | 1.8228 | 1,735,115 | 1.8498 | 1,760,816 |
| 9 | Total | | | | **$2,578,055** | | **$2,724,176** |
| 10 | | | | | | | |
| 11 | **Choice - General Service - Medium** | | | | | | |
| 12 | Customer Charge | 12 | Bills | 50.00 | $600 | 55.00 | $660 |
| 13 | Distribution Charge | 1,848.8 | Mcf | 1.7661 | 3,265 | 1.7951 | 3,319 |
| 14 | Total | | | | **$3,865** | | **$3,979** |
| 15 | | | | | | | |
| 16 | **Choice - General Service - Large** | | | | | | |
| 17 | Customer Charge | 36 | Bills | 425.00 | $15,300 | 450.00 | $16,200 |
| 18 | Distribution Charge | 21,316.3 | Mcf | 1.1684 | 24,906 | 1.2214 | 26,036 |
| 19 | Total | | | | **$40,206** | | **$42,236** |
| 20 | | | | | | | |
| 21 | **Total Choice** | | | | **$8,988,143** | | **$10,635,522** |
| 22 | | | | | | | |
| 23 | **MGUC Totals** | | | | | | |
| 24 | Monthly Customer Charge | 2,240,781 | Bills | | $35,973,773 | | $37,008,668 |
| 25 | Income Assistance Provision Credits | 5,200 | Bills | | ($65,100) | | ($65,100) |
| 26 | Distribution Charge | 34,294,114.1 | Mcf | | 58,671,197 | | 75,083,177 |
| 27 | Gas Supply Acquisition Charge | 18,732,616.4 | Mcf | | 733,633 | | 861,222 |
| 28 | Cost of Gas | 18,732,616.4 | Mcf | | 0 | | 0 |
| 29 | **Total MGUC** | | | | **$95,313,503** | | **$112,887,966** |

**Michigan Public Service Commission**
**Michigan Gas Utilities Corporation**
**Comparison of Present and Proposed Monthly Bills**

RESIDENTIAL Service Rate

Case No.: U-21540
Exhibit No.: A-16
Schedule: F4

Witness: S. L. Burzycki
Date: March 1, 2024

| | (a) | (b) | (c) | (d) | (e) | (f) |
|---|---|---|---|---|---|---|
| | | | | Increase | | |
| Line No. | Monthly Usage (Mcf) | Present Net Monthly Bill ($/Month) | Proposed Net Monthly Bill ($/Month) | Amount ($/Month) | Percent (%) | Unit Cost ($/Mcf) |
| 1 | 0 | $13.00 | $13.00 | $0.00 | 0.00% | |
| 2 | 2 | 27.71 | 29.95 | 2.24 | 8.09% | $14.98 |
| 3 | 5 | 49.78 | 55.38 | 5.60 | 11.25% | 11.08 |
| 4 | 7 | 64.49 | 72.33 | 7.84 | 12.16% | 10.33 |
| 5 | 10 | 86.55 | 97.75 | 11.20 | 12.94% | 9.78 |
| 6 | 15 | 123.33 | 140.13 | 16.81 | 13.63% | 9.34 |
| 7 | 20 | 160.10 | 182.51 | 22.41 | 14.00% | 9.13 |
| 8 | 25 | 196.88 | 224.89 | 28.01 | 14.23% | 9.00 |
| 9 | 30 | 233.65 | 267.26 | 33.61 | 14.39% | 8.91 |

**Michigan Public Service Commission**
**Michigan Gas Utilities Corporation**
**Comparison of Present and Proposed Monthly Bills**

SMALL GENERAL SERVICE Rate

Case No.: U-21540
Exhibit No.: A-16
Schedule: F4
Page: 2 of 7
Witness: S. L. Burzycki
Date: March 1, 2024

| | (a) | (b) | (c) | (d) | (e) | (f) |
|---|---|---|---|---|---|---|
| | | | | Increase | | |
| **Line No.** | **Monthly Usage (Mcf)** | **Present Net Monthly Bill ($/Month)** | **Proposed Net Monthly Bill ($/Month)** | **Amount ($/Month)** | **Percent (%)** | **Unit Cost ($/Mcf)** |
| 1 | 0 | $35.00 | $40.00 | $5.00 | 14.29% | |
| 2 | 10 | 98.93 | 104.27 | 5.34 | 5.40% | $10.43 |
| 3 | 25 | 194.83 | 200.67 | 5.84 | 3.00% | 8.03 |
| 4 | 50 | 354.66 | 361.35 | 6.69 | 1.89% | 7.23 |
| 5 | 75 | 514.48 | 522.02 | 7.53 | 1.46% | 6.96 |
| 6 | 100 | 674.31 | 682.69 | 8.38 | 1.24% | 6.83 |

**Michigan Public Service Commission**
**Michigan Gas Utilities Corporation**
**Comparison of Present and Proposed Monthly Bills**

MEDIUM GENERAL SERVICE Rate

Case No.: U-21540
Exhibit No.: A-16
Schedule: F4
Page: 3 of 7
Witness: S. L. Burzycki
Date: March 1, 2024

| | (a) | (b) | (c) | (d) | (e) | (f) |
|---|---|---|---|---|---|---|
| **Line No.** | **Monthly Usage (Mcf)** | **Present Net Monthly Bill ($/Month)** | **Proposed Net Monthly Bill ($/Month)** | **Increase Amount ($/Month)** | **Increase Percent (%)** | **Unit Cost ($/Mcf)** |
| 1 | 0 | $50.00 | $55.00 | $5.00 | 10.00% | |
| 2 | 10 | $113.36 | $118.72 | 5.36 | 4.73% | $11.87 |
| 3 | 50 | $366.82 | $373.61 | 6.79 | 1.85% | 7.47 |
| 4 | 100 | $683.64 | $692.22 | 8.58 | 1.26% | 6.92 |
| 5 | 500 | $3,218.20 | $3,241.10 | 22.90 | 0.71% | 6.48 |
| 6 | 1,000 | $6,386.40 | $6,427.20 | 40.80 | 0.64% | 6.43 |

**Michigan Public Service Commission**
**Michigan Gas Utilities Corporation**
**Comparison of Present and Proposed Monthly Bills**

LARGE GENERAL SERVICE Rate

Case No.: U-21540
Exhibit No.: A-16
Schedule: F4
Page: 4 of 7
Witness: S. L. Burzycki
Date: March 1, 2024

| | (a) | (b) | (c) | (d) | (e) | (f) |
|---|---|---|---|---|---|---|
| **Line No.** | **Monthly Usage (Mcf)** | **Present Net Monthly Bill ($/Month)** | **Proposed Net Monthly Bill ($/Month)** | **Increase Amount ($/Month)** | **Increase Percent (%)** | **Unit Cost ($/Mcf)** |
| 1 | 0 | $425.00 | $450.00 | $25.00 | 5.88% | |
| 2 | 10 | 482.39 | 507.99 | 25.60 | 5.31% | $50.80 |
| 3 | 50 | 711.94 | 739.93 | 27.99 | 3.93% | 14.80 |
| 4 | 100 | 998.87 | 1,029.85 | 30.98 | 3.10% | 10.30 |
| 5 | 250 | 1,859.68 | 1,899.63 | 39.95 | 2.15% | 7.60 |
| 6 | 500 | 3,294.35 | 3,349.25 | 54.90 | 1.67% | 6.70 |
| 7 | 750 | 4,729.03 | 4,798.88 | 69.85 | 1.48% | 6.40 |
| 8 | 1,000 | 6,163.70 | 6,248.50 | 84.80 | 1.38% | 6.25 |
| 9 | 1,250 | 7,598.38 | 7,698.13 | 99.75 | 1.31% | 6.16 |
| 10 | 1,500 | 9,033.05 | 9,147.75 | 114.70 | 1.27% | 6.10 |

**Michigan Public Service Commission**
**Michigan Gas Utilities Corporation**
**Comparison of Present and Proposed Monthly Bills**

TRANSPORT Service Rate

Case No.: U-21540
Exhibit No.: A-16
Schedule: F4
Page: 5 of 7
Witness: S. L. Burzycki
Date: March 1, 2024

| | (a) | (b) | (c) | (d) | (e) | (f) | (g) |
|---|---|---|---|---|---|---|---|
| | | | | | Increase | | |
| Line No. | Meter Class | Monthly Usage (Mcf) | Present Net Monthly Bill ($/Month) | Proposed Net Monthly Bill ($/Month) | Amount ($/Month) | Percent (%) | Unit Cost ($/Mcf) |
| 1 | TR-1 Transport | 0 | 925.00 | 1,000.00 | $75.00 | 8.11% | |
| 2 | TR-1 Transport | 500 | 1,318.30 | 1,425.74 | 107.44 | 8.15% | $2.85 |
| 3 | TR-1 Transport | 1,000 | 1,711.60 | 1,851.48 | 139.88 | 8.17% | 1.85 |
| 4 | TR-1 Transport | 2,000 | 2,498.21 | 2,702.96 | 204.75 | 8.20% | 1.35 |
| 5 | TR-1 Transport | 3,000 | 3,284.81 | 3,554.44 | 269.63 | 8.21% | 1.18 |
| 6 | | | | | | | |
| 7 | TR-2 Transport | 0 | 2,525.00 | 2,600.00 | 75.00 | 2.97% | |
| 8 | TR-2 Transport | 1,000 | 2,964.74 | 3,105.40 | 140.65 | 4.74% | $3.11 |
| 9 | TR-2 Transport | 2,500 | 3,624.36 | 3,863.49 | 239.13 | 6.60% | 1.55 |
| 10 | TR-2 Transport | 5,000 | 4,723.72 | 5,126.99 | 403.27 | 8.54% | 1.03 |
| 11 | TR-2 Transport | 10,000 | 6,922.44 | 7,653.97 | 731.53 | 10.57% | 0.77 |
| 12 | | | | | | | |
| 13 | TR-3 Transport | 0 | 3,205.00 | 3,300.00 | 95.00 | 2.96% | |
| 14 | TR-3 Transport | 2,500 | 4,259.73 | 4,519.29 | 259.55 | 6.09% | $1.81 |
| 15 | TR-3 Transport | 5,000 | 5,314.47 | 5,738.57 | 424.11 | 7.98% | 1.15 |
| 16 | TR-3 Transport | 10,000 | 7,423.93 | 8,177.15 | 753.21 | 10.15% | 0.82 |
| 17 | TR-3 Transport | 25,000 | 13,752.34 | 15,492.87 | 1,740.53 | 12.66% | 0.62 |
| 18 | TR-3 Transport | 50,000 | 24,299.67 | 27,685.73 | 3,386.06 | 13.93% | 0.55 |
| 19 | TR-3 Transport | 75,000 | 34,847.01 | 39,878.60 | 5,031.59 | 14.44% | 0.53 |

**Michigan Public Service Commission**
**Michigan Gas Utilities Corporation**
**Comparison of Present and Proposed Monthly Bills**

AGGREGATED TRANSPORT Service Rate

Case No.: U-21540
Exhibit No.: A-16
Schedule: F4

Witness: S. L. Burzycki
Date: March 1, 2024

| | (a) | (b) | (c) | (d) | (e) | (f) | (g) |
|---|---|---|---|---|---|---|---|
| | | | | | Increase | | |
| Line No. | Meter Class | Monthly Usage (Mcf) | Present Net Monthly Bill ($/Month) | Proposed Net Monthly Bill ($/Month) | Amount ($/Month) | Percent (%) | Unit Cost ($/Mcf) |
| 1 | Aggregated - Residential to Residential | 0 | $34.50 | $34.50 | $0.00 | 0.00% | |
| 2 | Aggregated - Residential to Residential | 2 | 40.07 | 42.30 | 2.23 | 5.56% | $21.15 |
| 3 | Aggregated - Residential to Residential | 5 | 48.42 | 53.99 | 5.57 | 11.50% | 10.80 |
| 4 | Aggregated - Residential to Residential | 7 | 53.99 | 61.79 | 7.80 | 14.44% | 8.83 |
| 5 | Aggregated - Residential to Residential | 10 | 62.35 | 73.48 | 11.14 | 17.86% | 7.35 |
| 6 | Aggregated - Residential to Residential | 15 | 76.27 | 92.98 | 16.70 | 21.90% | 6.20 |
| 7 | Aggregated - Residential to Residential | 20 | 90.20 | 112.47 | 22.27 | 24.69% | 5.62 |
| 8 | Aggregated - Residential to Residential | 25 | 104.12 | 131.96 | 27.84 | 26.74% | 5.28 |
| 9 | Aggregated - Residential to Residential | 30 | 118.04 | 151.45 | 33.41 | 28.30% | 5.05 |
| 10 | | | | | | | |
| 11 | Aggregated - Small to General Service - Small | 0 | 56.50 | 61.50 | 5.00 | 8.85% | |
| 12 | Aggregated - Small to General Service - Small | 10 | 74.73 | 80.00 | 5.27 | 7.05% | $8.00 |
| 13 | Aggregated - Small to General Service - Small | 25 | 102.07 | 107.75 | 5.68 | 5.56% | 4.31 |
| 14 | Aggregated - Small to General Service - Small | 50 | 147.64 | 153.99 | 6.35 | 4.30% | 3.08 |
| 15 | Aggregated - Small to General Service - Small | 75 | 193.21 | 200.24 | 7.02 | 3.64% | 2.67 |
| 16 | Aggregated - Small to General Service - Small | 100 | 238.78 | 246.48 | 7.70 | 3.22% | 2.46 |
| 17 | | | | | | | |
| 18 | Aggregated - Small to General Service - Medium | 0 | 71.50 | 76.50 | 5.00 | 6.99% | |
| 19 | Aggregated - Small to General Service - Medium | 10 | 89.16 | 94.45 | 5.29 | 5.93% | $9.45 |
| 20 | Aggregated - Small to General Service - Medium | 50 | 159.81 | 166.26 | 6.45 | 4.04% | 3.33 |
| 21 | Aggregated - Small to General Service - Medium | 100 | 248.11 | 256.01 | 7.90 | 3.18% | 2.56 |
| 22 | Aggregated - Small to General Service - Medium | 500 | 954.55 | 974.05 | 19.50 | 2.04% | 1.95 |
| 23 | Aggregated - Small to General Service - Medium | 1,000 | 1,837.60 | 1,871.60 | 34.00 | 1.85% | 1.87 |
| 24 | | | | | | | |
| 25 | Aggregated - Large to General Service - Large | 0 | 446.50 | 471.50 | 25.00 | 5.60% | |
| 26 | Aggregated - Large to General Service - Large | 10 | 458.18 | 483.71 | 25.53 | 5.57% | $48.37 |
| 27 | Aggregated - Large to General Service - Large | 50 | 504.92 | 532.57 | 27.65 | 5.48% | 10.65 |
| 28 | Aggregated - Large to General Service - Large | 100 | 563.34 | 593.64 | 30.30 | 5.38% | 5.94 |
| 29 | Aggregated - Large to General Service - Large | 250 | 738.60 | 776.85 | 38.25 | 5.18% | 3.11 |
| 30 | Aggregated - Large to General Service - Large | 500 | 1,030.70 | 1,082.20 | 51.50 | 5.00% | 2.16 |
| 31 | Aggregated - Large to General Service - Large | 750 | 1,322.80 | 1,387.55 | 64.75 | 4.89% | 1.85 |
| 32 | Aggregated - Large to General Service - Large | 1,000 | 1,614.90 | 1,692.90 | 78.00 | 4.83% | 1.69 |
| 33 | Aggregated - Large to General Service - Large | 1,250 | 1,907.00 | 1,998.25 | 91.25 | 4.79% | 1.60 |
| 34 | Aggregated - Large to General Service - Large | 1,500 | 2,199.10 | 2,303.60 | 104.50 | 4.75% | 1.54 |

# Schedule F4

**Michigan Public Service Commission**
**Michigan Gas Utilities Corporation**
**Comparison of Present and Proposed Monthly Bills**

CHOICE Service Rates

Case No.: U-21540
Exhibit No.: A-16
Schedule: F4

Witness: S. L. Burzycki
Date: March 1, 2024

| | (a) | (b) | (c) | (d) | (e) | (f) | (g) |
|---|---|---|---|---|---|---|---|
| | | Monthly | Present Net | Proposed Net | Increase | | Unit |
| Line No. | Meter Class | Usage (Mcf) | Monthly Bill ($/Month) | Monthly Bill ($/Month) | Amount ($/Month) | Percent (%) | Cost ($/Mcf) |
| 1 | Choice - Residential | 0 | $13.00 | $13.00 | $0.00 | 0.00% | |
| 2 | Choice - Residential | 2 | 18.57 | 20.80 | 2.23 | 11.99% | $10.40 |
| 3 | Choice - Residential | 5 | 26.92 | 32.49 | 5.57 | 20.68% | 6.50 |
| 4 | Choice - Residential | 7 | 32.49 | 40.29 | 7.80 | 23.99% | 5.76 |
| 5 | Choice - Residential | 10 | 40.85 | 51.98 | 11.14 | 27.26% | 5.20 |
| 6 | Choice - Residential | 15 | 54.77 | 71.48 | 16.70 | 30.50% | 4.77 |
| 7 | Choice - Residential | 20 | 68.70 | 90.97 | 22.27 | 32.42% | 4.55 |
| 8 | Choice - Residential | 25 | 82.62 | 110.46 | 27.84 | 33.70% | 4.42 |
| 9 | Choice - Residential | 30 | 96.54 | 129.95 | 33.41 | 34.60% | 4.33 |
| 10 | | | | | | | |
| 11 | Choice - General Service - Small | 0 | 35.00 | 40.00 | 5.00 | 14.29% | |
| 12 | Choice - General Service - Small | 10 | 53.23 | 58.50 | 5.27 | 9.90% | $5.85 |
| 13 | Choice - General Service - Small | 25 | 80.57 | 86.25 | 5.68 | 7.04% | 3.45 |
| 14 | Choice - General Service - Small | 50 | 126.14 | 132.49 | 6.35 | 5.03% | 2.65 |
| 15 | Choice - General Service - Small | 75 | 171.71 | 178.74 | 7.02 | 4.09% | 2.38 |
| 16 | Choice - General Service - Small | 100 | 217.28 | 224.98 | 7.70 | 3.54% | 2.25 |
| 17 | | | | | | | |
| 18 | Choice - General Service - Medium | 0 | 50.00 | 55.00 | 5.00 | 10.00% | |
| 19 | Choice - General Service - Medium | 10 | 67.66 | 72.95 | 5.29 | 7.82% | $7.30 |
| 20 | Choice - General Service - Medium | 50 | 138.31 | 144.76 | 6.45 | 4.66% | 2.90 |
| 21 | Choice - General Service - Medium | 100 | 226.61 | 234.51 | 7.90 | 3.49% | 2.35 |
| 22 | Choice - General Service - Medium | 500 | 933.05 | 952.55 | 19.50 | 2.09% | 1.91 |
| 23 | Choice - General Service - Medium | 1,000 | 1,816.10 | 1,850.10 | 34.00 | 1.87% | 1.85 |
| 24 | | | | | | | |
| 25 | Choice - General Service - Large | 0 | 425.00 | 450.00 | 25.00 | 5.88% | |
| 26 | Choice - General Service - Large | 10 | 436.68 | 462.21 | 25.53 | 5.85% | $46.22 |
| 27 | Choice - General Service - Large | 50 | 483.42 | 511.07 | 27.65 | 5.72% | 10.22 |
| 28 | Choice - General Service - Large | 100 | 541.84 | 572.14 | 30.30 | 5.59% | 5.72 |
| 29 | Choice - General Service - Large | 250 | 717.10 | 755.35 | 38.25 | 5.33% | 3.02 |
| 30 | Choice - General Service - Large | 500 | 1,009.20 | 1,060.70 | 51.50 | 5.10% | 2.12 |
| 31 | Choice - General Service - Large | 750 | 1,301.30 | 1,366.05 | 64.75 | 4.98% | 1.82 |
| 32 | Choice - General Service - Large | 1,000 | 1,593.40 | 1,671.40 | 78.00 | 4.90% | 1.67 |
| 33 | Choice - General Service - Large | 1,250 | 1,885.50 | 1,976.75 | 91.25 | 4.84% | 1.58 |
| 34 | Choice - General Service - Large | 1,500 | 2,177.60 | 2,282.10 | 104.50 | 4.80% | 1.52 |

Case No.: U-21540
Exhibit No: A-16
Schedule: F5
Witness: Shannon L. Burzycki

MICHIGAN GAS UTILITIES CORPORATION
SUMMARY OF TARIFF CHANGES

| Tariff Sheet No. | Rule No. | Paragraph | Description of Changes |
|---|---|---|---|
| A-6.00 - A-11.00 | | Table of Contents | Administrative updates |
| B-2.00 | | | Continuation of R 460.2351 Waiver |
| C-36.00 | C11 | Carry Cost Rate | Updated rate |
| C-37.00 | C11 | Discount Rate | Updated rate |
| C-38.00 - C-45.00 | C11 | Customer Attachment Program | Updated CAPs |
| D-1.01 | D2 | Supplemental Charges | Updated rates |
| D-1.04 - D-1.07 | D2 | Supplemental Charges | MRP Surcharge updates |
| D-4.00 | D3.2 | Special Credits | Remove rates and reseve for future use |
| D-6.00 | D4 | Residential Rate Schedules | Updated rates |
| D-9.00 - D-13.00 | D5 - D7 | General Service Rate Schedules | Updated rates |
| D-15.00 | D8 | Gas Lighting Schedule | Updates rates and clarifying language added |
| E-1.00 | E1.1 | General Provisions and Definitions | Update language |
| E-7.00 | E4 | Quantities | Update language |
| E-13.00 | E5.4 | Rates and Charges | Updated Customer Charge and rates |

Continued From Sheet No. A-5.00

# INDEX

## SECTION D
## RATE SCHEDULES



## SECTION E
## GAS TRANSPORTATION SERVICE



Continued on Sheet No. A-7.00

## TABLE OF CONTENTS - CHECKLIST



Continued on Sheet No. A-9.00

Continued From Sheet No. A-8.00

**TABLE OF CONTENTS - CHECKLIST (Contd.)**



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Issued: ~~**December 12, 2023**~~
By: Theodore Eidukas
**VP - Regulatory Affairs**
Milwaukee, Wisconsin

Continued From Sheet No. A-9.00

**TABLE OF CONTENTS - CHECKLIST (Contd.)**



Continued on Sheet No. A-11.00

Continued From Sheet No. A-10.00

**TABLE OF CONTENTS - CHECKLIST (Contd.)**



Issued: ~~December 12, 2023~~
By: Theodore Eidukas
**VP - Regulatory Affairs**
Milwaukee, Wisconsin

Continued From Sheet No. B-1.00

**B1. TECHNICAL STANDARDS FOR GAS SERVICE (R 460.2301 – R 460.2384) (Contd.)**
**https://ars.apps.lara.state.mi.us/AdminCode/DownloadAdminCodeFile?FileName=R%20460.2301%20to%20R%20460.2384.pdf**

**PART 5 METERS METERING EQUIPMENT INSPECTIONS AND TESTS**

R 460.2351 Meters and associated metering devices; inspections; tests; and records. **(WAIVED)**
R 460.2351a Statistical quality sampling program for diaphragm-type meters.
R 460.2352 Rescinded.
R 460.2353 Retirement of meters.
R 460.2354 Accuracy of metering equipment; tests; standards.
R 460.2355 Meter shop; design; meter testing system; standards; handling; calibration cards; calibrated orifices.
R 460.2356 Pressure measurement standards.
R 460.2357 Records; meter tests.
R 460.2358 Records; meter and associated metering device data.

**PART 6 BILL ADJUSTMENT; METER ACCURACY**

R 460.2361 Rescinded.
R 460.2362 Determination of adjustment.
R 460.2363 Refunds.
R 460.2364 Rescinded.
R 460.2365 Consumption data records.

**PART 7 SHUTOFF OF SERVICE**

R 460.2371 Conditions for establishing gas service; liability; notice and record of Inability to establish service; refusal of service to customer using other gaseous fuel; exception; service quality.
R 460.2372 Gas facilities hazard.
R 460.2373 Shutoff of service.
R 460.2374 Rescinded.

*Refer to the Company's approved Rule C5.1, Access to Premises.*

*R 460.101 et seq. are the rules pertaining to CONSUMER STANDARDS AND BILLING PRACTICES FOR ELECTRIC AND NATURAL GAS SERVICE. See Administrative Rule B2, PART 8, PROCEDURES FOR SHUTOFF AND RESTORATION OF SERVICE R 460.136, R 460.137, R 460.138, R 460.139, R 460.140, R 460.141, R 460.142 and R 460.143.*

**PART 8 GAS QUALITY**

R 460.2381 Gas purity.
R 460.2382 Heating value; authorized variations.
R 460.2383 Heating value records; location and accuracy of measuring equipment; frequency of heating value determination.
R 460.2384 Rescinded.

Continued on Sheet No. B-3.00

Continued from Sheet No. C-35.00

## C11. Customer Attachment Program (Contd.)

(7) Customer Attachment Project

A Project may consist of a single customer, requiring only the installation of a service line and meter, or may consist of numerous customers requiring the installation of mains, service lines and meters. A Project will generally be defined as a customer or group of customers that may be served from the contiguous expansion of new distribution facilities.

(8) Revenue Deficiency

A discounted Cost of Service Model (Model) will be used to calculate the Net Present Value (NPV) Revenue Deficiency anticipated from a Project. The Model will use the expected incremental revenues and incremental costs associated with the Project for each year of a twenty year period. From this information an annual net revenue excess or deficiency will be calculated. The annual net revenue excess or deficiency will be discounted and summed to determine the NPV revenue deficiency of the Project. If the NPV revenue deficiency is negative, the discounted revenues exceed the discounted costs, then a NPV revenue deficiency of zero will be used.

(9) Model Assumptions:

Incremental Revenues:

The Incremental Revenues will be calculated based on current rates and a forecast of the timing and number of customer attachments as well as the customers' annual consumption levels.

Incremental Costs:

(i) Carrying Cost Rate

The Carrying Cost Rate will be based on the weighted rate of debt, equity and associated taxes. The cost will be equal to and weighted in proportion to those authorized in the Company's most recent rate order. The Carrying Cost Rate is equal to ~~8.45~~9.10**%.**

Continued on Sheet No. C-37.00

Continued from Sheet No. C-36.00

**C11. Customer Attachment Program (Contd.)**

(ii) Plant in Service

Plant in Service shall reflect the Company's estimated cost to construct distribution mains, customer service lines, meters and pressure regulators or regulating facilities for the Project. The timing of the facility investment, primarily service lines, will correspond with the projected timing of the customer attachments.

The facility investment for an individual customer service line will be limited to the greater of 400 feet or 150% of the average length of all service lines within the Project.

(iii) Carrying Costs

The Carrying Costs will be the product of the average of beginning and end-of-year net plant, Plant in Service minus accumulated depreciation minus deferred taxes, multiplied by the Carrying Cost Rate, noted in paragraph 1 above.

(iv) Depreciation

Depreciation expense will be the product of Plant in Service multiplied by the appropriate prescribed depreciation rates approved for the Company.

(v) Property Taxes and Other Operating Expenses

Property taxes will be the product of Plant in Service multiplied by the Company's average property tax rate. All other incremental operating expenses will be included as identified. Incremental O&M will at a minimum include a proportional cost for monthly meter reading, billing and mailing.

(vi) Discount Rate

The Discount Rate will be a weighted rate of long-term debt and common equity. The cost will be equal to and weighted in proportion to those authorized in the Company's most recent rate order. Based on the Company's rate order in Case No. **U-~~21366~~ 21540** dated ~~**August 30, 2023**~~, the Discount Rate is equal to ~~**6.83**~~**7.41%.**

Continued on Sheet No. C-38.00

Continued from Sheet No. C-37.00

**C11. Customer Attachment Program (Contd.)**

(10) Customer Attachment Project Areas

All gas sold in any area specifically listed below is subject to the following Customer Attachment Project (CAP) charges. CAP areas and charges shall be added to or removed from the list from time to time by the Company.

| CAP No. | CAP Name | CAP Charge Per Month | Last Billing Month For Surcharge |
|---|---|---|---|
| ~~X368~~ | ~~Cheyenne Tr & 120th~~ | ~~$37.03~~ | ~~June 2024~~ |
| ~~X371~~ | ~~Strasburg S Otter & Hubbard~~ | ~~$34.48~~ | ~~March 2024~~ |
| ~~X372~~ | ~~M140~~ | ~~$12.66~~ | ~~May 2024~~ |
| ~~X373~~ | ~~Plum~~ | ~~$18.26~~ | ~~January 2024~~ |
| ~~X374~~ | ~~Airport Road~~ | ~~$14.82~~ | ~~January 2024~~ |
| ~~X375~~ | ~~Scottdale~~ | ~~$16.59~~ | ~~July 2024~~ |
| ~~X376~~ | ~~72nd s of 16~~ | ~~$29.59~~ | ~~May 2024~~ |
| ~~X377~~ | ~~2nd Ave~~ | ~~$32.39~~ | ~~June 2024~~ |
| ~~X378~~ | ~~California~~ | ~~$26.26~~ | ~~July 2024~~ |
| ~~X382~~ | ~~114th Ave.~~ | ~~$30.00~~ | ~~September 2024~~ |
| ~~X383~~ | ~~Date Rd~~ | ~~$22.89~~ | ~~July 2024~~ |
| ~~X386~~ | ~~102nd from 13th to 15th~~ | ~~$25.88~~ | ~~July 2024~~ |
| ~~X387~~ | ~~108th - Allegan~~ | ~~$30.00~~ | ~~August 2024~~ |
| ~~X388~~ | ~~Kendra Rd~~ | ~~$31.02~~ | ~~July 2024~~ |
| ~~X389~~ | ~~Ferris St.~~ | ~~$43.12~~ | ~~June 2024~~ |
| ~~X390~~ | ~~Territorial Rd~~ | ~~$20.08~~ | ~~September 2024~~ |
| ~~X392~~ | ~~Hagar Shore II~~ | ~~$33.43~~ | ~~October 2024~~ |
| X393 | Lake Allegan North | $26.64 | June 2025 |
| ~~X395~~ | ~~Kelly~~ | ~~$33.90~~ | ~~July 2024~~ |
| ~~X396~~ | ~~34th North of 138th~~ | ~~$32.03~~ | ~~October 2024~~ |
| ~~X397~~ | ~~56th Street~~ | ~~$22.02~~ | ~~September 2024~~ |
| ~~X398~~ | ~~Echo Rd~~ | ~~$12.00~~ | ~~August 2024~~ |
| X399 | 112th & Brielle | $32.75 | March 2025 |
| ~~X400~~ | ~~Reading Rd~~ | ~~$37.91~~ | ~~November 2024~~ |
| ~~X401~~ | ~~Tawas Drive~~ | ~~$14.98~~ | ~~September 2024~~ |
| ~~X402~~ | ~~Finzel Road~~ | ~~$45.25~~ | ~~August 2024~~ |
| ~~X403~~ | ~~E Randall~~ | ~~$31.50~~ | ~~December 2024~~ |

Continued on Sheet No. C-39.00

Continued from Sheet No. C-38.00

## C11. Customer Attachment Program (Contd.)

| CAP No. | CAP Name | CAP Charge Per Month | Last Billing Month For Surcharge |
|---|---|---|---|
| ~~X404~~ | ~~Carleton West Project~~ | ~~$58.83~~ | ~~November 2024~~ |
| ~~X405~~ | ~~Big Hill Rd.~~ | ~~$23.56~~ | ~~December 2024~~ |
| ~~X406~~ | ~~Wolcott St.~~ | ~~$8.84~~ | ~~October 2024~~ |
| ~~X408~~ | ~~Ferndale Road~~ | ~~$18.30~~ | ~~December 2024~~ |
| ~~X409~~ | ~~119th~~ | ~~$28.27~~ | ~~October 2024~~ |
| X410 | Benton Center | $19.60 | November 2025 |
| X413 | Coloma Road II | $24.15 | January 2026 |
| X414 | Kay Drive | $14.15 | December 2025 |
| ~~X415~~ | ~~Division Drive~~ | ~~$260.22~~ | ~~August 2024~~ |
| X416 | Chabot/Off Riverside | $18.11 | March 2025 |
| ~~X417~~ | ~~13865 Carleton West Rd~~ | ~~$52.12~~ | ~~November 2024~~ |
| ~~X418~~ | ~~Miller Drive~~ | ~~$14.64~~ | ~~December 2024~~ |
| ~~X419~~ | ~~Suder & Substation~~ | ~~$37.57~~ | ~~November 2024~~ |
| ~~X420~~ | ~~Wells & Central~~ | ~~$25.41~~ | ~~November 2024~~ |
| ~~X421~~ | ~~Laplaisance~~ | ~~$26.32~~ | ~~December 2024~~ |
| ~~X422~~ | ~~36th - Dorr~~ | ~~$45.16~~ | ~~December 2024~~ |
| ~~X423~~ | ~~Country Lane Main~~ | ~~$32.27~~ | ~~December 2024~~ |
| ~~X424~~ | ~~Washington~~ | ~~$15.63~~ | ~~December 2024~~ |
| X425 | Lake Chapin | $25.01 | January 2025 |
| X426 | Hull Rd. | $35.65 | May 2025 |
| X427 | War, Buhl, Mentel | $46.15 | October 2025 |
| X428 | Stanley Dr | $21.51 | June 2025 |
| X429 | 68th St | $19.55 | July 2025 |
| X430 | 58th St | $18.94 | July 2025 |
| X431 | Taylor Street | $15.68 | August 2025 |
| X432 | Pershing Drive | $25.39 | July 2025 |
| X433 | Black River Rd | $22.27 | August 2025 |
| X434 | Waldron | $15.99 | December 2025 |
| X435 | CR380/69th | $24.76 | August 2025 |
| X436 | Territorial #2 | $16.57 | December 2025 |

Continued on Sheet No. C-40.00

Continued from Sheet No. C-39.00

## C11. Customer Attachment Program (Contd.)

| CAP No. | CAP Name | CAP Charge Per Month | Last Billing Month For Surcharge |
|---|---|---|---|
| X437 | Tudor Rd | $24.45 | September 2025 |
| ~~X438~~ | ~~Bankers/Cambria~~ | ~~$42.69~~ | ~~December 2024~~ |
| X440 | S Fremont Rd | $14.72 | May 2025 |
| X441 | Onway Dr (E of Whiteford Rd.) | $20.10 | May 2025 |
| X442 | Chabot/Off Broderick | $29.38 | August 2025 |
| X443 | E. Beach | $20.73 | December 2025 |
| X444 | Walnut | $21.23 | August 2025 |
| X446 | Ida Center (W of Lewis Ave) | $41.88 | June 2025 |
| X447 | 106th Ave & 6th St | $5.85 | September 2025 |
| X448 | Ida West W of Summerfield | $38.70 | June 2025 |
| X449 | Ida West E of Gloff | $12.81 | July 2025 |
| X450 | E Substation Rd | $49.48 | June 2025 |
| X451 | Brewer Rd | $9.01 | June 2025 |
| X453 | Long Lake Road | $51.28 | January 2026 |
| X455 | Consear Rd | $35.39 | April 2026 |
| X456 | Lincoln St Pvt Drive | $38.51 | November 2025 |
| X457 | Tudor Rd. #2 | $37.22 | November 2025 |
| X459 | 73rd 1/2 Street | $18.85 | March 2026 |
| X460 | Erie | $21.10 | September 2026 |
| X461 | Lime Lake | $18.53 | October 2026 |
| X462 | Edgewood Rd-W of M125 | $35.80 | April 2026 |
| X463 | Handy Dr -W of Spaulding | $18.30 | July 2026 |
| X465 | Samaria Rd-W of Whiteford | $40.09 | April 2026 |
| X466 | Secor and Todd-S of Ida Cntr | $45.12 | August 2026 |
| X467 | Summerfield Rd-N of Cortz | $39.51 | May 2026 |
| X468 | Whiteford-W of Temperance | $48.42 | June 2026 |
| X470 | Lincoln at Carolyn | $26.74 | April 2026 |
| X471 | Hillandale | $22.26 | May 2026 |
| X473 | Rich St & 128th Ave | $30.25 | June 2026 |
| X474 | Grand Mere | $41.74 | July 2026 |

Continued on Sheet No. C-41.00

Continued from Sheet No. C-40.00

**C11. Customer Attachment Program (Contd.)**

| CAP No. | CAP Name | CAP Charge Per Month | Last Billing Month For Surcharge |
|---|---|---|---|
| X475 | TULIP | $22.29 | September 2027 |
| X477 | Fox Hollow Dr | $12.21 | June 2026 |
| X478 | Tantre Drive | $25.32 | August 2026 |
| X479 | Garfield Rd | $19.39 | September 2026 |
| X480 | Stumpmier Road | $24.10 | November 2026 |
| X481 | Blue Star @ Private Dr | $19.02 | June 2027 |
| X482 | Briar Hill Road | $19.88 | May 2027 |
| X483 | 1167 102nd | $5.94 | October 2026 |
| X484 | 11360 168th | $95.62 | November 2026 |
| X485 | 13th & 130th | $20.00 | March 2027 |
| X486 | 129th Ave | $20.00 | March 2027 |
| X487 | Maxwell Rd. | $97.23 | November 2026 |
| X488 | Jakes Alley | $60.09 | November 2026 |
| X489 | 136th Ave and 14th Ave | $30.00 | March 2027 |
| X490 | Kruse Rd | $26.49 | July 2027 |
| X492 | Suder Rd, Lotus Dr. | $49.99 | September 2027 |
| X493 | Victory Road | $39.22 | August 2027 |
| X494 | Hallett Rd | $28.20 | October 2027 |
| X495 | Melvin & 44th | $40.35 | October 2027 |
| X496 | N Hillsdale Rd. at Moore | $19.05 | October 2027 |
| X497 | Laplaisance & Lavigne Rd | $49.45 | August 2027 |
| X498 | Lake Forest Path | $24.91 | November 2027 |
| X499 | Whisper Ln & CT | $29.53 | October 2027 |
| X500 | Dale Ct. | $20.93 | October 2027 |
| X501 | Niebles Landing | $9.07 | October 2027 |
| X502 | Ida West Road | $48.38 | December 2027 |
| X503 | Burr Oak Rd. Bronson | $21.42 | January 2028 |
| X504 | 26th Street - Monterey Twp. | $20.00 | May 2028 |
| X505 | Morocco Rd | $32.12 | May 2028 |
| X506 | Baseline at 71 1/2 St. | $19.52 | July 2028 |

Continued on Sheet No. C-42.00

**Continued from Sheet No. C-41.00**

## C11. Customer Attachment Program (Contd.)

| CAP No. | CAP Name | CAP Charge Per Month | Last Billing Month For Surcharge |
|---|---|---|---|
| X507 | Whiteford Center Rd. | $31.52 | July 2028 |
| X508 | Swartz Rd | $36.98 | July 2028 |
| X509 | Donnell & Bennett | $11.58 | July 2028 |
| X510 | 7th Street | $32.76 | August 2028 |
| X511 | 13th St off 102nd | $19.41 | July 2028 |
| X512 | Pierce @ Carolyn | $29.38 | August 2028 |
| X513 | Farr Rd. W | $57.52 | August 2028 |
| X514 | Carter/Anabell Roads | $64.39 | September 2028 |
| X515 | 137th E of 30th | $51.74 | September 2028 |
| X516 | Holden Rd | $24.94 | September 2028 |
| X517 | Browntown Rd | $27.46 | October 2028 |
| X518 | Euclid Street | $13.70 | October 2028 |
| X520 | E. Creek | $47.83 | November 2028 |
| X521 | Rich St W of M231 | $39.24 | November 2028 |
| X522 | N Telegraph - Newport/I275 | $58.81 | December 2028 |
| X523 | Bercaw - 8 Mile | $19.95 | November 2028 |
| X524 | Post Rd | $20.00 | February 2029 |
| X525 | Stutzman Farms | $20.85 | April 2029 |
| X526 | Olnhausen | $18.26 | April 2029 |
| X527 | Meanwell Rd | $38.21 | May 2029 |
| X528 | Edgewood Rd | $21.28 | May 2029 |
| ~~X529~~ | ~~Beach Drive~~ | ~~$10.49~~ | ~~June 2024~~ |
| X530 | Lost Peninsula Phase 2 | $31.82 | July 2029 |
| X531 | Wood Rd/Minx Rd | $30.37 | July 2029 |
| X532 | Blatchford & Paw Paw Rd. | $35.00 | August 2029 |
| X533 | 8th st n of 146th | $59.51 | July 2029 |
| X534 | Stadler & Doty Rd. | $35.22 | August 2029 |
| X535 | Johnson Rd | $36.43 | September 2029 |
| X536 | Pier Rd | $35.33 | August 2029 |

Continued on Sheet No. C-43.00

Continued from Sheet No. C-42.00

## C11. Customer Attachment Program (Contd.)

| CAP No. | CAP Name | CAP Charge Per Month | Last Billing Month For Surcharge |
|---|---|---|---|
| X537 | South Stoney Creek Rd. | $40.75 | September 2029 |
| X538 | California @ Ott | $35.01 | September 2029 |
| X539 | S. Telegraph Rd. | $34.58 | September 2029 |
| X540 | E. Stein Rd. | $50.76 | October 2029 |
| X541 | Carter Rd | $40.86 | October 2029 |
| X542 | Orchard Trail | $44.47 | December 2029 |
| X543 | Rockey Weed @ Ann Ct | $35.40 | January 2030 |
| X544 | Browntown Phase 2 | $36.16 | January 2030 |
| X545 | Niles Rd | $35.00 | March 2030 |
| X546 | Dunks Rd | $35.22 | March 2030 |
| X547 | 50TH ST CAP | $65.44 | June 2030 |
| X548 | Kelly Rd | $45.05 | April 2030 |
| X549 | EGGERT RD | $50.55 | May 2030 |
| X550 | Rosehill Rd | $31.90 | June 2030 |
| X551 | Reinhardt Rd | $36.30 | June 2030 |
| X552 | Maxwell Rd | $48.85 | June 2030 |
| X553 | 463 & 467 6TH STREET | $31.70 | July 2030 |
| X555 | M86 Main | $32.21 | July 2030 |
| X556 | Meanwell/Ida West Rd | $27.72 | July 2030 |
| X557 | Tulip Street | $18.02 | August 2030 |
| X558 | Lavign/S Otter Creek | $35.00 | September 2030 |
| X559 | CR 384 | $25.11 | September 2030 |
| X560 | Port Creek | $57.83 | September 2030 |
| X561 | 120th/27th/Haas Dr | $36.76 | October 2030 |
| X562 | 1934 Lincoln Rd | $106.15 | August 2030 |
| X563 | LULU/Wells/Ida Center | $41.15 | October 2030 |
| X564 | Cherry @ Plum | $18.51 | November 2030 |
| X565 | 810 N 16th St Main Ext | $56.92 | September 2030 |
| X566 | Carter Rd | $43.17 | November 2030 |

Continued on Sheet No. C-44.00

Continued from Sheet No. C-43.00

## C11. Customer Attachment Program (Contd.)

| CAP No. | CAP Name | CAP Charge Per Month | Last Billing Month For Surcharge |
|---|---|---|---|
| X567 | Ruggles Rd | $20.31 | November 2030 |
| X568 | 2760 Half Moon Lake Rd | $33.66 | November 2030 |
| X569 | Woods of Lochaven Condos | $34.50 | December 2030 |
| X570 | Mckinley | $17.22 | December 2030 |
| X571 | PAW PAW LAKE @ HAGAR SHORE | $27.88 | December 2030 |
| X572 | MARRS @ 2170 | $34.09 | December 2030 |
| X573 | HOLDEN @ LEMON CREEK | $50.14 | February 2031 |
| X574 | LEMON CREEK @ JERICHO | $29.28 | March 2031 |
| X575 | Gast @ Browntown | $28.76 | March 2031 |
| X576 | Wildlife Rd | $29.94 | August 2030 |
| X577 | Brockelbank | $30.00 | September 2030 |
| X578 | Homer Rd | $31.32 | September 2030 |
| X579 | Blue Star S of 20th | $22.01 | March 2031 |
| X580 | Scottdale #2 | $45.00 | May 2031 |
| X581 | Rocky Weed-Linco Grain Dryers | $35.00 | May 2031 |
| X582 | Morocco Rd | $72.32 | May 2031 |
| X583 | East Gateway Dr | $34.87 | March 2031 |
| X584 | Kline St. | $33.47 | June 2031 |
| X585 | Secor Rd | $97.37 | July 2031 |
| X586 | Marrs Rd GD | $35.25 | September 2031 |
| X587 | AMY @ BOYER | $30.42 | October 2031 |
| X588 | 8TH ST NORTH | $70.81 | October 2031 |
| X589 | 37TH ST S OF 140TH | $84.72 | November 2031 |
| X590 | Telegraph Rd | $40.83 | August 2031 |
| X591 | Telegraph (N of Labo) | $39.96 | November 2031 |
| X592 | Long Lake Rd | $42.40 | August 2031 |
| X593 | Niles @ John Beers | $35.00 | November 2031 |
| X594 | Maple St @ 11910 | $24.93 | July 2031 |
| X595 | Driftboat Ln | $68.55 | January 2032 |
| X596 | Atlantic Ave @ Blue Star | $32.36 | February 2032 |

Continued on Sheet No. C-45.00

Continued from Sheet No. C-44.00

## C11. Customer Attachment Program (Contd.)

| CAP No. | CAP Name | CAP Charge Per Month | Last Billing Month For Surcharge |
|---|---|---|---|
| X597 | 442 Riverview Dr Main Ext | $48.42 | August 2032 |
| X598 | CHERRY @ TULIP | $22.44 | August 2032 |
| X599 | Ready Rd | $24.28 | August 2032 |
| X600 | Sylvania-Petersburg Rd | $68.73 | July 2032 |
| X601 | GEIGER RD | $53.91 | September 2032 |
| X602 | 909 Burr Oak Rd Main Ext. | $32.78 | September 2032 |
| X603 | Maxwell Rd | $59.86 | September 2032 |
| X604 | S Angola & E Pearl | $35.00 | October 2032 |
| X605 | Riverside @ Dogwood | $9.81 | October 2032 |
| X606 | N. Stoney Creek | $88.88 | July 2032 |
| X607 | LAKE FOREST PATH | $34.57 | December 2032 |
| X608 | Stevensville Baroda-Hinchman BH | $47.60 | December 2032 |
| X609 | Lost Peninsula Phase 3A | $43.62 | December 2032 |
| X610 | 12th & 102nd | $35.04 | October 2032 |
| X611 | 10271 Buchanan Main Ext | $81.99 | January 2033 |
| X612 | 142nd | $35.00 | January 2033 |
| X613 | Russell Rd | $23.55 | June 2033 |
| X614 | Suder Road | $48.49 | May 2033 |
| X615 | 5th St Main Ext | $15.86 | March 2033 |
| X616 | PINE CT | $22.20 | August 2033 |
| X617 | 132nd West of 47th | $182.87 | August 2032 |
| X618 | W ERIE | $78.81 | July 2033 |
| X619 | M40 EASMENT, SOUTH OF 134TH | $128.84 | November 2032 |
| X620 | DIXON | $67.03 | September 2033 |
| **X621** | **ROBINSON TWP** | **$55.40** | **July 2032** |
| **X622** | **GRAND HAVEN** | **$50.93** | **May 2032** |
| **X623** | **GRAND HAVEN TWP** | **$35.63** | **September 2032** |
| **X624** | **FRUITPORT** | **$94.59** | **September 2032** |
| **X625** | **ROBINSON TWP** | **$35.00** | **June 2032** |
| **X626** | **IDA TWP** | **$86.95** | **November 2033** |
| **X627** | **Whiteford TWP** | **$65.99** | **December 2033** |
| **X628** | **Fennville** | **$33.46** | **November 2033** |
| **X629** | **ERIE TWP** | **$43.26** | **January 2034** |

Continued from Sheet No. D-1.00

## SECTION D
## RATE SCHEDULES

### D2. SUPPLEMENTAL CHARGES (contd.)

| Customer Class | EWR Surcharge (per Mcf) | | Distribution Charge + Gas Supply Acquisition Charge (per Mcf)* | | Total Distribution Charge (per Mcf) | |
|---|---|---|---|---|---|---|
| RESIDENTIAL SERVICE | $0.1512 | + | **$~~2.8239~~3.9443** | = | **$~~2.9751~~4.0955** | per Mcf |
| CHOICE RESIDENTIAL GEN SERVICE | $0.1512 | + | **$~~2.7848~~3.8984** | = | **$~~2.9360~~4.0496** | per Mcf |
| TR - Res | $0.1512 | + | **$~~2.7848~~3.8984** | = | **$~~2.9360~~4.0496** | per Mcf |

| Customer Class | EWR Surcharge (per meter, daily) | | Fixed Customer Charge (daily) | | Total Customer Charge (daily) | |
|---|---|---|---|---|---|---|
| SMALL GENERAL SERVICE | $0.1200 | + | $~~1.1507~~**1.3151** | = | $~~1.2707~~**1.4351** | per customer |
| MEDIUM GENERAL SERVICE | $1.0054 | + | $~~1.6438~~**1.8082** | = | $~~2.6492~~**2.8136** | per customer |
| LARGE GENERAL SERVICE | $4.8470 | + | $~~13.9726~~**14.7945** | = | $~~18.8196~~**19.6415** | per customer |
| STREET LIGHTS | $0.1253 | + | $~~1.1507~~**1.3151** | = | $~~1.2760~~**1.4404** | per contract |

| Customer Class | EWR Surcharge (per month) | | Fixed Customer Charge (monthly) | | Total Customer Charge (monthly) | |
|---|---|---|---|---|---|---|
| TRANSPORTATION | | | | | | |
| TR-1 | $38.91 | + | **$~~925~~1,000** | **=** | **$~~963.91~~1,038.91** | per meter |
| TR-2 | $211.34 | + | **$~~2,525~~2,600** | **=** | **$~~2,736.34~~2,811.34** | per meter |
| TR-3 | $918.93 | + | **$~~3,205~~3,300** | **=** | **$~~4,123.93~~4,218.93** | per meter |
| TR - GS | $3.65 | + | $~~35~~**40** | = | $~~38.65~~**43.65** | per meter |
| TR - GM | $30.58 | + | $~~50~~**55** | = | $~~80.58~~**85.58** | per meter |
| TR - GL | 147.43 | + | $~~425~~**450** | = | $~~572.43~~**597.43** | per meter |
| | | | | | | |
| SPECIAL CONTRACTS | $136.39 | | | | | per meter |

*Gas Supply Acquisition Charge is not applicable to Gas Choice customers or Aggregated Transportation accounts.

Continued on Sheet No. D-1.02

**Continued from Sheet No. D-1.03**

## SECTION D
## RATE SCHEDULES

### D2. SUPPLEMENTAL CHARGES (contd.)

**MRP RIDER**
**MAIN REPLACEMENT PROGRAM RIDER**

1. The MRP Rider is limited to the recovery of the removal and/or replacement of transmission facilities only, specifically those impacted by 49 CFR Part 192 Subpart O or the 2019 Mega Rule.

2. The revenue distribution and the accounting provisions produced from this MRP Rider shall have no precedential value in the company's next rate case.

3. The Company will set up special accounts for the removal and replacement transmission mains affected by 49 CFR Part 192 Subpart O or the 2019 Mega Rule.

4. The Company's proposed recovery is based upon an annual revenue requirement calculation by rate schedule with the main allocation factor of average and peak and the corresponding number of customers as approved by the Commission in the Company's most recent rate case.

5. The Company's calculation is based upon the following:

   a. Original Cost and Accumulated Reserve for Post 12/31/~~2024~~2025

      1. Used and useful after 1/1/~~2025~~2026
      2. Capital expenditures is limited to new plant under this rider
      3. Adjustments for the retirement of existing assets

   b. Calculation of post in - service carrying charges on net plant additions and related deferred taxes

      1. Calculated from the date that the applicable assets are used and useful, January 1 of the year following installation.
      2. Based on the Company's embedded interest cost and recorded at the gross rate for recovery on deferred taxes that lessens amount for recovery.

   c. Calculation of deferred taxes on depreciation

**Continued on Sheet No. D-1.05**

**Continued from Sheet No. D-1.05**

## SECTION D
## RATE SCHEDULES

### D2. SUPPLEMENTAL CHARGES (contd.)

**MRP RIDER**

**MAIN REPLACEMENT PROGRAM RIDER**

**APPLICABILITY**

Applicable to all customers receiving service under the Company's sales and transportation rate schedules and Special Contract Customers.

**MAIN REPLACEMENT PROGRAM (MRP)**

This MRP Rider as approved by the MPSC recovers the cost of the MRP not included in MGUC's base rates. These projects included pipeline replacements and related costs. By having this surcharge in place, MCUC recovers over time the costs associated with these replacement projects, which should reduce the frequency of expensive general rate cases in the future.

All customers receiving service under Rate Schedules Residential, Small General Service, Medium General Service, Large General Service, TR-1, TR-2, TR-3 and Special Contract shall be assessed a monthly charge in addition to the Customer Charge component of their applicable rate which will enable the Company to begin and complete the replacement initiative.

The company can bill this surcharge to all of its customers monthly.

This Rider surcharge will become effective with the first billing cycle of January ~~2025~~2026, and reflects the allocation of the required annual revenue increase needed based upon the main allocation factor of average and the number of customers per rate group as defined and approved in the Company's last rate proceeding.

**Continued on Sheet No. D-1.07**

**Continued from Sheet No. D-1.06**

## SECTION D
## RATE SCHEDULES

## D2. SUPPLEMENTAL CHARGES (contd.)

### MRP RIDER

### MAIN REPLACEMENT PROGRAM RIDER

The Rider MRP charge will be implemented on a **bill** rendered basis beginning in January ~~2025~~2026 and will continue as approved in **U-**~~21366~~21540 **or** until the earlier of either: (i) base rates are established in a future contested case addressing the MRP, or (ii) December 31, **2027**. Per Customer Meter charges may change annually. The charge for the specific Rate Schedule by year is:

| Line | Customer Class | Per Customer Meter Per Month<br>~~2025~~ | 2026 | 2027 |
|---|---|---|---|---|
| 1 | Residential | ~~$0.19~~ | ~~$0.64~~ $0.23 | ~~$0.90~~$0.56 |
| 2 | Small General Service | ~~$0.46~~ | ~~$1.55~~$0.59 | ~~$2.17~~$1.41 |
| 3 | Medium General Service | ~~$0.15~~ | ~~$0.50~~$0.32 | ~~$0.70~~$0.78 |
| 4 | Large General Service | ~~$10.06~~ | ~~$34.00~~$4.39 | ~~$47.77~~$10.59 |
| 5 | Transportation: | | | |
| 6 | TR-1 | ~~$12.44~~ | ~~$42.06~~$87.29 | ~~$59.11~~$210.63 |
| 7 | TR-2 | ~~$75.83~~ | ~~$256.41~~$92.47 | ~~$360.31~~$223.12 |
| 8 | TR-3 | ~~$632.01~~ | ~~$2,137.04~~$494.62 | ~~$3,003.04~~$1,193.53 |
| 9 | Aggregated - Residential | ~~$0.47~~ | ~~$1.58~~$0.49 | ~~$2.22~~$1.17 |
| 10 | Aggregated - Small General Service | ~~$1.77~~ | ~~$5.97~~$1.88 | ~~$8.39~~$4.53 |
| 11 | Aggregated - Medium General Service | ~~$6.81~~ | ~~$23.00~~$4.27 | ~~$32.32~~$10.30 |
| 12 | Aggregated - Large General Service | ~~$7.43~~ | ~~$25.12~~$9.22 | ~~$35.30~~$22.24 |
| 13 | Choice - Residential | ~~$0.19~~ | ~~$0.64~~$0.23 | ~~$0.90~~$0.56 |
| 14 | Choice - Small General Service | ~~$0.46~~ | ~~$1.53~~$0.58 | ~~$2.15~~$1.40 |
| 15 | Choice - Medium General Service | ~~$0.15~~ | ~~$0.50~~$2.07 | ~~$0.70~~$4.99 |
| 16 | Choice - Large General Service | ~~$8.33~~ | ~~$28.17~~$10.76 | ~~$39.58~~$25.96 |
| 17 | Special Contract | ~~$1.28~~ | ~~$4.32~~$1.56 | ~~$6.07~~$3.75 |

**Continued on Sheet No. D-2.00**

~~D3.2 Special Credits~~

~~PIPELINE REFUND CREDIT~~

~~This credit allows the Company to refund customers the FERC ordered PEPL refund addressed in Opinion No. 885-A dated September 25, 2023 in Docket No. RP19-78-000, et al.~~

~~GCR Residential, Small General Service, Medium & Large General Service, and Gas Choice Customers paying the Reservation Charge shall receive "Pipeline Refund" credits beginning with the Company's January 2024 billing month and ending with the March 2024 billing month.~~

| ~~Rate Schedule~~ | ~~Credit per Mcf~~ | | ~~Credit per Meter~~ |
|---|---|---|---|
| ~~Residential~~ | ~~($0.3223)~~ | | |
| ~~Small General Service~~ | ~~($0.3168)~~ | | |
| ~~Medium General Service~~ | ~~($0.1462)~~ | ~~+~~ | ~~($16.37)~~ |
| ~~Large General Service~~ | ~~($0.2272)~~ | ~~+~~ | ~~($344.62)~~ |
| ~~Choice - Residential~~ | ~~($0.3223)~~ | | |
| ~~Choice - Small General Service~~ | ~~($0.3168)~~ | | |
| ~~Choice - Medium General Service~~ | ~~($0.1462)~~ | ~~+~~ | ~~($16.37)~~ |
| ~~Choice - Large General Service~~ | ~~($0.2272)~~ | ~~+~~ | ~~($344.62)~~ |

~~*Sales and Choice Medium General Service and Large General Service credits will be delivered 50% at a per Mcf rate and 50% as a per meter rate to balance the heating and non-heat load impacts.~~

***This sheet has been cancelled and is reserved for future use.***

Continued From Sheet No. D-5.00

**D4. RESIDENTIAL RATE - (General and Heating) (Contd.)**

**RATE**

| Customer Charge: | Daily | Monthly |
| --- | --- | --- |
| | $ 0.4274 per customer, or | $ 13.00 per customer, plus |

Distribution Charge
**$ ~~2.7848~~3.8984** per Mcf, plus

Gas Supply Acquisition Charge
**$ ~~0.0391~~ 0.0459**per Mcf (This charge is not applicable to Gas Choice customers or Aggregated Transportation accounts.)

**Residential Income Assistance (RIA) Service Provision:**

When service is supplied to a residential customer for primary residence, where the total household income does not exceed 150% of the Federal Poverty Level, a credit shall be applied during all billing months. *The total household income is verified when the customer has provided proof that they have received, or are currently participating in, one or more of the following within the past 12 months:*

1. *A Home Heating Credit energy draft*
2. *State Emergency Relief*
3. *Assistance from a Michigan Energy Assistance Program (MEAP)*
4. *SNAP*
5. *Medicaid*

**If the customer does not meet any of the above requirements, a low-income verification form will be provided by the Company for the customer to complete and return.**

The monthly credit for the Income Assistance Service Provision (RIA) shall be applied as follows:
Income Assistance Credit: $(13.00) per customer per month

**Low Income Assistance Credit (LIAC):**

Company selected residential customers may receive the LIAC. This credit is available for up to **83** qualifying residential customers where the total household income does not exceed 150% of the Federal Poverty Level, a credit shall be applied during all billing months. *The total household income is verified when the customer has provided proof that they have received, or are currently participating in, one or more of the following within the past 12 months:*

1. *A Home Heating Credit energy draft*
2. *State Emergency Relief*
3. *Assistance from a Michigan Energy Assistance Program (MEAP)*
4. *SNAP*
5. *Medicaid*

The monthly credit for the LIAC shall be applied as follows:
Low Income Assistance Credit: $(30.00) per customer per month

If a credit balance occurs, the credit shall apply to the customer's future utility charges.

Continued on Sheet No. D-7.00

Continued From Sheet No. D-8.00

## D5. SMALL GENERAL SERVICE RATE - (General and Heating)

### AVAILABILITY

Subject to limitations and restrictions contained in orders of the Michigan Public Service Commission in effect from time to time and in the Rules and Regulations of the Company, service is available under this rate schedule to any non-residential customer for any purpose.

### RATE

Customer Charge:

| Daily | Monthly |
|---|---|
| $ ~~1.1507~~**1.3151** per customer, or | $ ~~35~~**40**.00 per customer, plus |

Distribution Charge
**$ ~~1.8228~~ 1.8498** per Mcf, plus

Gas Supply Acquisition Charge
**$ ~~0.0391~~0.0459** per Mcf (This charge is not applicable to Gas Choice customers or Aggregated Transportation accounts.)

Gas Cost Recovery Charge
The monthly gas cost recovery charge as set forth on Sheet No. D-2.00.

Supplemental Charges
This rate is subject to the Supplemental Charges set forth on Sheet Nos. D-1.00 and D-1.01.

Main Replacement Program Rider
This rate is subject to the Main Replacement Program Rider charges set forth on Sheet Nos. D-1.04, D-1.05, D-1.06 and D-1.07.

Seasonal Service Charge
A charge of $50.00, payable in either a flat amount or three equal installments, will be made to partially cover the cost of restoring service when it has been temporarily discontinued at the customer's request.

Delayed Payment Charge and Due Date
A delayed payment charge of 2%, shall be applied to the unpaid balance outstanding not compounded, net of sales tax, of any bill which is not paid on or before the due date shown thereon. The due date shall be 21 days following the date of mailing.

Continued on Sheet No. D-10.00

**Continued from Sheet No. D-10.00**

**D6. MEDIUM GENERAL SERVICE RATE - (General and Heating)**

**AVAILABILITY**

Subject to limitations and restrictions contained in orders of the Michigan Public Service Commission in effect from time to time and in the Rules and Regulations of the Company, service is available under this rate schedule to any non-residential customer for any purpose.

**RATE**

Customer Charge:

| Daily | Monthly |
|---|---|
| $ ~~1.6438~~**1.8082** per customer, or | $ ~~50~~**55**~~.00~~ per customer, plus |

Distribution Charge
**$** ~~**1.7661**~~**1.7951** per Mcf, plus

Gas Supply Acquisition Charge
**$** ~~**0.0391**~~**0.0459** per Mcf (This charge is not applicable to Gas Choice customers or Aggregated Transportation accounts.)

Gas Cost Recovery Charge
The monthly gas cost recovery charge as set forth on Sheet No. D-2.00.

Supplemental Charges
This rate is subject to the Supplemental Charges set forth on Sheet Nos. D-1.00 and D-1.01.

Seasonal Service Charge
A charge of $50.00, payable in either a flat amount or three equal installments, will be made to partially cover the cost of restoring service when it has been temporarily discontinued at the customer's request.

Main Replacement Program Rider
This rate is subject to the Main Replacement Program Rider charges set forth on Sheet Nos. D-1.04, D-1.05, D-1.06 and D-1.07.

Delayed Payment Charge and Due Date
A delayed payment charge of 2%, shall be applied to the unpaid balance outstanding not compounded, net of sales tax, of any bill which is not paid on or before the due date shown thereon. The due date shall be 21 days following the date of mailing.

**Continued on Sheet No. D-12.00**

Continued from Sheet No. D-12.00

**D7. LARGE GENERAL SERVICE RATE - (General and Heating)**

**AVAILABILITY**

Subject to limitations and restrictions contained in orders of the Michigan Public Service Commission in effect from time to time and in the Rules and Regulations of the Company, service is available under this rate schedule to any non-residential customer for any purpose.

**RATE**

Customer Charge:

| Daily | Monthly |
|---|---|
| $ ~~13.9726~~**14.7945** per customer, or | $ ~~425~~**450**.00 per customer, |

plus

Distribution Charge
**$ ~~1.1684~~1.2214** per Mcf, plus

Gas Supply Acquisition Charge
**$ ~~0.0391~~0.0459** per Mcf (This charge is not applicable to Gas Choice customers or Aggregated Transportation accounts.)

Gas Cost Recovery Charge
The monthly gas cost recovery charge as set forth on Sheet No. D-2.00.

Supplemental Charges:
This rate is subject to the Supplemental Charges set forth on Sheet Nos. D-1.00 and D-1.01.

Main Replacement Program Rider
This rate is subject to the Main Replacement Program Rider charges set forth on Sheet Nos. D-1.04, D-1.05, D-1.06 and D-1.07.

Seasonal Service Charge
A charge of $50.00, payable in either a flat amount or three equal installments, will be made to partially cover the cost of restoring service when it has been temporarily discontinued at the customer's request.

Delayed Payment Charge and Due Date
A delayed payment charge of 2% shall be applied to the unpaid balance outstanding not compounded, net of sales tax, of any bill which is not paid on or before the due date shown thereon. The due date shall be 21 days following the date of mailing.

Continued on Sheet No. D-14.00

Continued from Sheet No. D-14.00

## D8. GAS LIGHTING RATE

### AVAILABILITY

Subject to limitations and restrictions contained in orders of the Michigan Public Service Commission in effect from time to time and in the Rules and Regulations of the Company.

| Rate Schedule | Distribution Charge |
|---|---|
| Commercial - | **$ ~~1.8228~~1.8498** per Mcf (In accordance with the terms of the service agreement) |

Street Lights - (In accordance with the terms of the service agreement)

Gas Supply Acquisition Charge
**$ ~~0.0391~~0.0459** per Mcf

Gas Cost Recovery Charge
The monthly gas cost recovery charge as set forth on Sheet No. D-2.00.

Supplemental Charges
This rate is subject to the Supplemental Charges set forth on Sheet Nos. D-1.00 and D-1.01.

Main Replacement Program Rider
This rate is subject to the Main Replacement Program Rider charges set forth on Sheet Nos. D-1.04, D-1.05, D-1.06 and D-1.07.

### RULES AND REGULATIONS

Service under this rate schedule shall be subject to the Standard Rules and Regulations of the Company plus the following condition:

No additional gas burning devices may be attached to the service connection for light(s) served under this rate.

### SPECIAL TAXES

(1) In municipalities which levy special taxes, license fees, or street rentals against the Company, and which levy has been successfully maintained, the standard of rates shall be increased within the limits of such municipalities so as to offset such special charges and thereby prevent the customers in other localities from being compelled to share any portion of such local increase.

(2) Bills shall be increased to offset any new or increased special tax or excise imposed by any governmental authority upon the Company's production, transmission or sale of gas.

Continued on Sheet No. D-16.00

## SECTION E
## GAS TRANSPORTATION

### E1. GAS TRANSPORTATION SERVICE RULES

#### E1.1 General provisions and definitions.

(a) "Gas" means natural gas, manufactured gas, or a combination of the two.

(b) "Alternate-fuel capability" means the ability to actually utilize a fuel other than gas, in place of gas.

(c) "Nominations" means the process by which the customer notifies the Company of expected transportation quantities.

(d) "Day" means a period of 24 consecutive hours (23 hours when changing from standard to daylight time and 25 hours when changing back to standard time) beginning at **9:00** a.m. **Central clock** time, **as defined by the North American Energy Standards Board (NAESB)**, or at such other time as may be mutually agreed.

(e) "Annual Contract Quantity" (ACQ) means a quantity of gas, as specified in the transportation contract between the customer and the Company, that is based on the customer's maximum historical 12-month usage (determined from the customer's 36-month base period) plus adjustments for known or expected changes.

(f) "Maximum Daily Quantity" (MDQ) means a quantity of gas, as specified in the transportation contract between the customer and the Company, that is based on the customer's historical peak-month usage (determined from the customer's 36-month base period) plus adjustments for known or expected changes. The MDQ will be available, subject to updates, on the Company's secured internet-enabled portal. The MDQ is the greatest quantity of gas that the Company agrees to accept for transportation on the customer's behalf on any day.

(g) "Average Daily Quantity" (ADQ) means a quantity of gas equal to the customer's contractual ACQ divided by 365.

(h) "Month" means a period beginning at **9:00** a.m. **Central clock** time on the first day of a calendar month and ending at **9:00** a.m. **Central clock** time on the first day of the following calendar month.

(i) "Broker" means an intermediary that arranges the purchase of gas from the producer and the sale of that gas to a Buyer.

Continued on Sheet No. E-2.00

Continued From Sheet No. E-6.00

**E3. Gas quality. (Contd)**

(vii) Gas shall not contain a nitrogen content in excess of three percent by volume.

(b) Gas delivered to the Company shall have a total heating value per cubic foot of not less than 950 British thermal unit (BTUs) nor more than 1,100 BTUs.

**E4. SERVICE REQUIREMENTS**

(a) Quantities

(i) The customer may deliver or cause to be delivered and the Company will accept quantities of gas up to the MDQ ~~agreed to in the contract with the customer.~~ as calculated annually and made available on a secured internet-enabled portal. Such deliveries shall be made to the Company at a location(s) agreed to by the Company and the customer where the Company's pipeline facilities are connected with: (a) the facilities where the gas is being produced; or (b) with other facilities through which the gas is being transported. Deliveries to the Company in excess of the agreed upon quantities shall be grounds for termination of the contract by the Company.

Iii) Gas delivered to the Company shall be thermally evaluated at the point of receipt into the Company's system, and the Company will deliver to the customer gas with an equivalent British thermal unit (BTU) content based on: (a) the Company's calculated average BTU content; or (b) test results from a BTU sampler located at the point of redelivery to the customer.

(b) Pressure.

The Company shall not be required to alter its prevailing line pressure at the delivery point or at the redelivery point.

(c) Measurement.

(i) When delivered to the customer, all gas shall be measured by the Company. The accuracy of meters used for that purpose shall be evaluated and maintained in accordance with the Michigan Public Service Commission Technical Standards For Gas Service (Technical Standards R460.2301).

Continued on Sheet No. E-8.00

Continued From Sheet No. E-12.00

## E5. TRANSPORTATION SERVICE AND RATES (Contd.)

### E5.3 AGGREGATION OF ACCOUNTS OPTION

(b) Only the subsidiary accounts will be eligible for aggregation with the master account. To qualify as a subsidiary account a facility must be served under any of the Sales Service Rates or Transportation Service Rates. The customer, or the customer's agent, must specify which of the other facilities will be designated as a subsidiary account. The customer may designate some or all of its other facilities as subsidiary accounts.

(c) The facility designated as the master account shall be subject to and billed under the provisions of its transportation tariff. Facilities designated as subsidiary accounts shall be subject to all the terms and conditions of the master account tariff, except that each subsidiary account will pay the customer charge, distribution charge and all applicable Supplemental charges as set forth on Sheet Nos. D-1.00 and D-1.01 in effect for its designated sales or transportation rate**,** rather than the customer charge and transportation charge in effect for the master account.

(d) Each subsidiary account will be required to have remote metering installed and will be subject to the Daily Balancing provisions contained in Section 5.8 below. Each subsidiary account will be subject to a monthly telemetering charge of $21.50, which is in addition to the charges specified in Section E5.3 (c) above.

### E5.4 RATES AND CHARGES

| | Transportation Service Rate | | |
|---|---|---|---|
| Monthly Charges: | TR-1 | TR-2 | TR-3 |
| Customer Charge - | | | |
| Each Meter | **$ ~~925.00~~1,000** / meter | **$ ~~2,525.00~~2,600** / meter | **$ ~~3,205.00~~3,300** / meter |
| Each Subsidiary Account | $ 21.50 / meter | $ 21.50 / meter | $ 21.50 / meter |
| Transportation Rates: | | | |
| Peak (November to March) | **$ ~~0.8606~~0.9133** per Mcf | **$ ~~0.5268~~0.5779** per Mcf | **$ ~~0.5135~~0.5641** per Mcf |
| Off-Peak (April to October) | **$ ~~0.6937~~0.7739** per Mcf | **$ ~~0.3625~~0.4411** per Mcf | **$ ~~0.3476~~0.4258** per Mcf |

Service Category

| | |
|---|---|
| TR-1 | Usage between 0 and 57,500 Mcf annually |
| TR-2 | Usage between 57,500 and 572,400 Mcf annually |
| TR-3 | Usage greater than 572,400 Mcf annually |

Optional Discount Rates - The Company, at its discretion, may negotiate lower rates for individual customers, down to a minimum of $0.20 per Mcf.

| DAILY BALANCING SERVICE<br>% Difference From Nomination | Effective<br>Rate Per Mcf |
|---|---|
| >0.0% up to 8.0% | $0.2291 |
| >8.0% | $0.4041 |

Applicable Daily Balancing Charges for Undertake Imbalances during High Flow Constraint Periods and Overtake Imbalances during Low Flow Constraint Periods

| % Difference From Nomination | Effective<br>Rate Per Mcf |
|---|---|
| >0.0% up to 10.0% | $0.0000 |
| >10.0% | $0.6300 |

Continued on Sheet No. E-14.00

**Michigan Gas Utilities Corporation**
**Operation and Maintenance Expenses - Gas Utility**
**Historical and Forecasted**

| Line No. | | 2023 Historical Total O&M | 2025 Forecasted Total O&M Not Including K&M | K&M | 2025 Forecasted Total O&M Including K&M | K&M Reason |
|---|---|---|---|---|---|---|
| 1 | (1) PRODUCTION EXPENSES | | | | | |
| 2 | A. Gas Steam Production | | | | | |
| 3 | Operation: | | | | | |
| 4 | (700) Operation Supervision & Engineering | - | - | - | - | |
| 5 | (701) Operation Labor | - | - | - | - | |
| 6 | (702) Boiler Fuel | - | - | - | - | |
| 7 | (703) Miscellaneous Steam Expenses | - | - | - | - | |
| 8 | (704) Transferred-Credit | - | - | - | - | |
| 9 | | | | | | |
| 10 | TOTAL Operation | - | - | - | - | |
| 11 | | | | | | |
| 12 | Maintenance: | | | | | |
| 13 | (705) Maintenance Supervision & Engineering | - | - | - | - | |
| 14 | (706) Maintenance of Structures & Improvements | - | - | - | - | |
| 15 | (707) Maintenance of Boiler Plant Equipment | - | - | - | - | |
| 16 | (708) Maint of Oth Stm ProdPlt | - | - | - | - | |
| 17 | | | | | | |
| 18 | TOTAL Maintenance | - | - | - | - | |
| 19 | TOTAL Production Expenses-Gas Steam | - | - | - | - | |
| 20 | | | | | | |
| 21 | B. Liquified Gas Production | | | | | |
| 22 | Operation: | | | | | |
| 23 | (710) Operation Supervision & Engineering | - | - | - | - | |
| 24 | (711) Steam Expenses | - | - | - | - | |
| 25 | (712) Other Power Expenses | - | - | - | - | |
| 26 | (717) Petroleum Gas Expenses | - | - | - | - | |
| 27 | (728) Petroleum Gas | - | - | - | - | |
| 28 | (732) Purification Expenses | - | - | - | - | |
| 29 | (735) Miscellaneous Production Expenses | 969 | 1,016 | (335) | 681 | MGP Amortization |
| 30 | (736) Rents | - | - | - | - | |
| 31 | | | | | | |
| 32 | TOTAL Operation | 969 | 1,016 | (335) | 681 | |
| 33 | | | | | | |
| 34 | Maintenance: | | | | | |
| 35 | (740) Maintenance Supervision & Engineering | - | - | - | - | |
| 36 | (741) Maintenance of Structures & Improvements | - | - | - | - | |
| 37 | (742) Maintenance of Production Equipment | - | - | - | - | |
| 38 | | | | | | |
| 39 | TOTAL Maintenance | - | - | - | - | |
| 40 | TOTAL Production Expenses-Liquified Gas | 969 | 1,016 | (335) | 681 | |

May not cross-check due to rounding.

**Michigan Gas Utilities Corporation**
**Operation and Maintenance Expenses - Gas Utility**
**Historical and Forecasted**

| Line No. | | 2023 Historical Total O&M | 2025 Forecasted Total O&M Not Including K&M | K&M | 2025 Forecasted Total O&M Including K&M | K&M Reason |
|---|---|---|---|---|---|---|
| 41 | | | | | | |
| 42 | C. Natural Gas Production | | | | | |
| 43 | Operation: | | | | | |
| 44 | (754) Field Compressor Station | - | - | - | - | |
| 45 | (756) Field Measuring & Regulating Station | - | - | - | - | |
| 46 | | | | | | |
| 47 | TOTAL Operation | - | - | - | - | |
| 48 | | | | | | |
| 49 | Maintenance: | | - | - | - | |
| 50 | | - | - | - | - | |
| 51 | | | | | | |
| 52 | TOTAL Maintenance | - | - | - | - | |
| 53 | TOTAL Production Expenses-Natural Gas | - | - | - | - | |
| 54 | | | | | | |
| 55 | D. Other Gas Supply Expenses | | | | | |
| 56 | Operation: | | | | | |
| 57 | (800) Natural Gas Well Head Purchases | - | - | - | - | |
| 58 | (804) Natural Gas City Gas Purchases | 273 | 297 | - | 297 | |
| 59 | (804.1) Liquified Natural Gas Purchases | - | - | - | - | |
| 60 | (807) Purchase Gas Expense | - | - | - | - | |
| 61 | (808.1) Gas Withdrawn From Storage-Debit | - | - | - | - | |
| 62 | (808.2) Gas Delivered to Storage-Credit | - | - | - | - | |
| 63 | (810) Gas Used for Compress Station Fuel | - | - | - | - | |
| 64 | (812) Gas Used for Other Operations-Credit | - | - | - | - | |
| 65 | (813) Other Gas Supply Expenses | 8 | 9 | - | 9 | |
| 66 | | | | | | |
| 67 | TOTAL Operation | 282 | 306 | - | 306 | |
| 68 | | | | | | |
| 69 | Maintenance: | | | | | |
| 70 | | - | - | - | - | |
| 71 | | | | | | |
| 72 | TOTAL Maintenance | - | - | - | - | |
| 73 | TOTAL Production Expenses-Other Gas Supply | 282 | 306 | - | 306 | |
| 74 | | | | | | |
| 75 | TOTAL PRODUCTION EXPENSES | 1,250 | 1,322 | (335) | 987 | |

May not cross-check due to rounding.

**Michigan Gas Utilities Corporation**
**Operation and Maintenance Expenses - Gas Utility**
**Historical and Forecasted**

| Line No. | | 2023 Historical Total O&M | 2025 Forecasted Total O&M Not Including K&M | K&M | 2025 Forecasted Total O&M Including K&M | K&M Reason |
|---|---|---|---|---|---|---|
| 76 | (2) NATURAL GAS STORAGE | | | | | |
| 77 | Operation: | | | | | |
| 78 | (814) Operation Supervision & Engineering | 153 | 166 | - | 166 | |
| 79 | (815) Maps & Records | 1 | 1 | - | 1 | |
| 80 | (816) Wells | 74 | 79 | - | 79 | |
| 81 | (817) Lines Expense | 30 | 32 | - | 32 | |
| 82 | (818) Compressor Station | 33 | 35 | - | 35 | |
| 83 | (819) Compress Station F&Pwr | - | - | - | - | |
| 84 | (820) Measuring & Regulating Station | 4 | 4 | - | 4 | |
| 85 | (821) Purification Expenses | 10 | 10 | - | 10 | |
| 86 | (824) Other Expenses | 149 | 159 | | 159 | |
| 87 | | | | | | |
| 88 | TOTAL Operation | 454 | 487 | - | 487 | |
| 89 | | | | | | |
| 90 | Maintenance: | | | | | |
| 91 | (830) Maintenance Supervision & Engineering | - | - | - | - | |
| 92 | (831) Maintenance of Structures & Improvements | 34 | 36 | - | 36 | |
| 93 | (832) Maintenance Reservoirs & Wells | 36 | 37 | 60 | 97 | Partello Well Logging |
| 94 | (833) Maintenance of Lines | 1 | 1 | - | 1 | |
| 95 | (834) Maintenance Compressor Station Equipment | 26 | 28 | - | 28 | |
| 96 | (835) Maintenance Measuring & Regulating Equipment | - | - | - | - | |
| 97 | (836) Maintenance Purification Equipment | 5 | 5 | - | 5 | |
| 98 | (837) Maintenance Other Equipment | 4 | 4 | - | 4 | |
| 99 | (840) Supervision & Engineering | - | - | 25 | 25 | Leak Detection & Repair |
| 100 | (843.7) Compressor Equipment | | | 50 | 50 | Leak Detection & Repair |
| 101 | | | | | | |
| 102 | TOTAL Maintenance | 106 | 112 | 135 | 247 | |
| 103 | TOTAL Natural Gas Storage Expenses | 561 | 599 | 135 | 734 | |
| 104 | | | | | | |
| 105 | (3) TRANSMISSION EXPENSES | | | | | |
| 106 | Operation: | | | | | |
| 107 | (850) Operation Supervision & Engineering | 10 | 11 | | 11 | |
| 108 | (851) Sys Cont & Load Disp | - | - | - | - | |
| 109 | (854) Gas For Compressor Station Fuel | 43 | 46 | - | 46 | |
| 110 | (856) Mains Exp | 4 | 5 | 385 | 390 | Casing Vent Replacements, Leak Detection & Repair |
| 111 | (857) Measuring & Regulating Station | 106 | 111 | - | 111 | |
| 112 | (859) Other Expenses | 26 | 27 | - | 27 | |
| 113 | | | | | | |
| 114 | TOTAL Operation | 189 | 199 | 730 | 584 | |
| 115 | | | | | | |
| 116 | Maintenance: | | | | | |
| 117 | (863) Maintenance of Mains | 1 | 1 | 300 | 301 | Leak Detection & Repair |
| 118 | (865) Maintenance Measuring & Regulating Equipment | 112 | 119 | 125 | 244 | Maintenance & Measuring of Regulator Station,Leak Detection & Repair |
| 119 | (867) Maintenance Other Equipment | - | - | - | - | |
| 120 | | | | | | |
| 121 | TOTAL Maintenance | 113 | 120 | 425 | 545 | |
| 122 | TOTAL Transmission Expenses | 302 | 320 | 1,155 | 1,130 | |

May not cross-check due to rounding.

**Michigan Gas Utilities Corporation**
**Operation and Maintenance Expenses - Gas Utility**
**Historical and Forecasted**

| Line No. | | 2023 Historical Total O&M | 2025 Forecasted Total O&M Not Including K&M | K&M | 2025 Forecasted Total O&M Including K&M | K&M Reason |
|---|---|---|---|---|---|---|
| 123 | | | | | | |
| 124 | (4) DISTRIBUTION EXPENSES | | | | | |
| 125 | Operation: | | | | | |
| 126 | (870) Operation Supervision & Engineering | 764 | 824 | 225 | 1,049 | Leak Detection & Repair |
| 127 | (871) Distribution Load Dispatching | 189 | 205 | - | 205 | |
| 128 | (874) Mains and Services Expenses | 2,299 | 2,480 | 1,377 | 3,857 | Locators, Pipeline Safety Management System, Leak Detection & Repair |
| 129 | (875) Measuring & Regulating Station Equipment | 25 | 27 | 25 | 52 | Leak Detection & Repair |
| 130 | (877) Measuring & Regulating Station Equipment-City Gate Check Stati | 195 | 210 | 150 | 360 | Measuring and Regulating Station Expenses - City Gate |
| 131 | (878) Meter & House Regulator Expense | 684 | 740 | 200 | 940 | Leak Detection & Repair |
| 132 | (879) Customer Installations Expense | 823 | 890 | - | 890 | |
| 133 | (880) Other Expenses | 2,720 | 2,926 | 1,019 | 3,944 | In House Dispatch, Deferred Maintenance of Facilities, Gas Code Compliance, Air Testing |
| 134 | (881) Rents | 7 | 7 | - | 7 | |
| 135 | | | | | | |
| 136 | TOTAL Operation | 7,704 | 8,309 | 2,996 | 11,305 | |
| 137 | | | | | | |
| 138 | Maintenance: | | | | | |
| 139 | (885) Maintenance Supervision & Engineering | - | - | 5 | 5 | |
| 140 | (887) Maintenance of Mains | 738 | 793 | 1,025 | 1,818 | Exposed Main Under Bridges, ROW Clearing, Tools, General Maintenance |
| 141 | (889) Maintenance of Measuring & Regulating Station | 69 | 75 | - | 75 | |
| 142 | (891) Maintenance of Measuring & Regulating Gate Station Equipment | 111 | 120 | 150 | 270 | Maintenance Of Meas & Reg Stat Equip-City Gate |
| 143 | (892) Maintenance of Services | 774 | 818 | 275 | 1,093 | Cross Bore Program Camera Maintenance, Other Maintenance Work |
| 144 | (893) Maintenance of Meters & House Regulators | 452 | 489 | | 489 | |
| 145 | (894) Maintenance of Other Equipment | 296 | 317 | - | 317 | |
| 146 | | | | | | |
| 147 | TOTAL Maintenance | 2,440 | 2,612 | 1,455 | 4,067 | |
| 148 | TOTAL Distribution Expenses | 10,144 | 10,921 | 4,451 | 15,372 | |
| 149 | | | | | | |

May not cross-check due to rounding.

**Michigan Gas Utilities Corporation**
**Operation and Maintenance Expenses - Gas Utility**
**Historical and Forecasted**

| Line No. | | 2023 Historical Total O&M | 2025 Forecasted Total O&M Not Including K&M | K&M | 2025 Forecasted Total O&M Including K&M | K&M Reason |
|---|---|---|---|---|---|---|
| 150 | (5) CUSTOMER ACCOUNTS EXPENSES | | | | | |
| 151 | Operation: | | | | | |
| 152 | (901) Supervision | 81 | 88 | - | 88 | |
| 153 | (902) Meter Reading Expenses | 392 | 421 | 463 | 885 | AMI |
| 154 | (903) Customer Records and Collection Expenses | 4,744 | 5,033 | 347 | 5,380 | Care Center, Dispatch In-House, IT Credits |
| 155 | (904) Uncollectible Accounts | 2,273 | 2,385 | (497) | 1,887 | Uncollectible Accounts |
| 156 | (905) Miscellaneous Customer Accounts Expenses | 96 | 102 | - | 102 | |
| 157 | TOTAL Customer Accounts Expenses | 7,587 | 8,029 | 313 | 8,342 | |
| 158 | | | | | | |
| 159 | (6) CUSTOMER SERVICE AND INFORMATIONAL EXPENSES | | | | | |
| 160 | Operation: | | | | | |
| 161 | (907) Supervision | 19 | 20 | - | 20 | |
| 162 | (908) Customer Assistance Expenses | 317 | 341 | - | 341 | |
| 163 | (909) Informational and Instructional Expenses | 152 | 159 | - | 159 | |
| 164 | (910) Miscellaneous Customer Service and Informational Expenses | - | - | - | - | |
| 165 | TOTAL Cust. Service and Informational Expenses | 487 | 520 | - | 520 | |
| 166 | | | | | | |
| 167 | (7) SALES EXPENSES | | | | | |
| 168 | Operation: | | | | | |
| 169 | (911) Supervision | - | - | - | - | |
| 170 | (912) Demonstrating and Selling Expenses | - | - | - | - | |
| 171 | (913) Advertising Expenses | - | - | - | - | |
| 172 | (916) Miscellaneous Sales Expenses | - | - | - | - | |
| 173 | TOTAL Sales Expenses | - | - | - | - | |
| 174 | | | | | | |

May not cross-check due to rounding.

**Michigan Gas Utilities Corporation**
**Operation and Maintenance Expenses - Gas Utility**
**Historical and Forecasted**

| Line No. | | 2023 Historical Total O&M | 2025 Forecasted Total O&M Not Including K&M | K&M | 2025 Forecasted Total O&M Including K&M | K&M Reason |
|---|---|---|---|---|---|---|
| 175 | (8) ADMINISTRATIVE AND GENERAL EXPENSES | | | | | |
| 176 | Operation: | | | | | |
| 177 | (920) Administrative and General Salaries | 2,972 | 3,230 | 189 | 3,419 | Executive, Audit Backfills, HR Backfills, Physical & IT Security, Vacation Accrual Adjustment |
| 178 | (921) Office Supplies and Expenses | 381 | 400 | 1,116 | 1,516 | Admin Serivce Contractor, COO, Consulting, Deloitte, Supply Chain Credits, Pipeline Penalties Reserve Adjustment |
| 179 | (922) Administrative Expenses Transferred-Credit | (187) | (196) | - | (196) | |
| 180 | (923) Outside Services Employed | 500 | 525 | 493 | 1,018 | Legal & Regulatory Services |
| 181 | (924) Property Insurance | 88 | 93 | 6 | 99 | Property Insurance |
| 182 | (925) Injuries and Damages | 1,034 | 1,086 | 125 | 1,211 | Injuries & Damages |
| 183 | (926) Employee Pensions and Benefits | 189 | 2,779 | 2,491 | 5,271 | Pension & Benefits |
| 184 | (927) Franchise Requirements | 1,116 | - | - | - | |
| 185 | (928) Regulatory Commission Expenses | 663 | 703 | 51 | 754 | Rate Case, Michicagn Clean Air Act |
| 186 | (929) Duplicate Charges-Cr. | - | - | - | - | |
| 187 | (930) Advertising Expenses | - | - | - | - | |
| 188 | (930.1) General Advertising Expenses | - | - | - | - | |
| 189 | (930.2) Miscellaneous General Expenses | 576 | 605 | 67 | 673 | Return On/Of |
| 190 | (931) Rents | 402 | 422 | - | 422 | |
| 191 | TOTAL Operation | 7,735 | 9,646 | 4,539 | 14,186 | |
| 192 | | | | | | |
| 193 | Maintenance: | | | | | |
| 194 | (935) Maintenance of General Plant | - | - | - | - | |
| 195 | TOTAL Maintenance | - | - | - | - | |
| 196 | TOTAL Administrative and General Expenses | 7,735 | 9,646 | 4,539 | 14,186 | |
| 197 | | | | | | |
| 198 | **Total Operations and Maintenance Expense** | **28,066** | **31,357** | **10,258** | **41,270** | |

May not cross-check due to rounding.

## Michigan Gas Utilities Corporation
## Operation and Maintenance Expenses - Gas Utility - Labor
## Historical and Forecasted

| Line No. | | 2023 Historical Total O&M | 2024 CPI | 2025 CPI | 2025 Forecaste Total O&M Not Including K&M |
|---|---|---|---|---|---|
| 1 | (1) PRODUCTION EXPENSES | | | | |
| 2 | A. Gas Steam Production | | | | |
| 3 | Operation: | | | | |
| 4 | (700) Operation Supervision & Engineering | - | 4.528% | 3.986% | - |
| 5 | (701) Operation Labor | - | 4.528% | 3.986% | - |
| 6 | (702) Boiler Fuel | - | 4.528% | 3.986% | - |
| 7 | (703) Miscellaneous Steam Expenses | - | 4.528% | 3.986% | - |
| 8 | (704) Transferred-Credit | - | 4.528% | 3.986% | - |
| 9 | | | | | |
| 10 | TOTAL Operation | - | | | - |
| 11 | | | | | |
| 12 | Maintenance: | | | | |
| 13 | (705) Maintenance Supervision & Engineering | - | 4.528% | 3.986% | - |
| 14 | (706) Maintenance of Structures & Improveme | - | 4.528% | 3.986% | - |
| 15 | (707) Maintenance of Boiler Plant Equipment | - | 4.528% | 3.986% | - |
| 16 | (708) Maint of Oth Stm ProdPlt | - | 4.528% | 3.986% | - |
| 17 | | | | | |
| 18 | TOTAL Maintenance | - | | | - |
| 19 | TOTAL Production Expenses-Gas Steam | - | | | - |
| 20 | | | | | |
| 21 | B. Liquified Gas Production | | | | |
| 22 | Operation: | | | | |
| 23 | (710) Operation Supervision & Engineering | - | 4.528% | 3.986% | - |
| 24 | (711) Steam Expenses | - | 4.528% | 3.986% | - |
| 25 | (712) Other Power Expenses | - | 4.528% | 3.986% | - |
| 26 | (717) Petroleum Gas Expenses | - | 4.528% | 3.986% | - |
| 27 | (728) Petroleum Gas | - | 4.528% | 3.986% | - |
| 28 | (732) Purification Expenses | - | 4.528% | 3.986% | - |
| 29 | (735) Miscellaneous Production Expenses | - | 4.528% | 3.986% | - |
| 30 | (736) Rents | - | 4.528% | 3.986% | - |
| 31 | | | | | |
| 32 | TOTAL Operation | - | | | - |
| 33 | | | | | |
| 34 | Maintenance: | | | | |
| 35 | (740) Maintenance Supervision & Engineering | - | 4.528% | 3.986% | - |
| 36 | (741) Maintenance of Structures & Improveme | - | 4.528% | 3.986% | - |
| 37 | (742) Maintenance of Production Equipment | - | 4.528% | 3.986% | - |
| 38 | | | | | |
| 39 | TOTAL Maintenance | - | | | - |
| 40 | TOTAL Production Expenses-Liquified Gas | - | | | - |

May not cross-check due to rounding.

**Michigan Gas Utilities Corporation**
**Operation and Maintenance Expenses - Gas Utility - Labor**
**Historical and Forecasted**

| Line No. | | 2023 Historical Total O&M | 2024 CPI | 2025 CPI | 2025 Forecaste Total O&M Not Including K&M |
|---|---|---|---|---|---|
| 41 | | | | | |
| 42 | C. Natural Gas Production | | | | |
| 43 | Operation: | | | | |
| 44 | (754) Field Compressor Station | - | 4.528% | 3.986% | - |
| 45 | (756) Field Measuring & Regulating Station | - | 4.528% | 3.986% | - |
| 46 | | | | | |
| 47 | TOTAL Operation | - | | | - |
| 48 | | | | | |
| 49 | Maintenance: | | | | - |
| 50 | | - | 4.528% | 3.986% | - |
| 51 | | | | | |
| 52 | TOTAL Maintenance | - | | | - |
| 53 | TOTAL Production Expenses-Natural Gas | - | | | - |
| 54 | | | | | |
| 55 | D. Other Gas Supply Expenses | | | | |
| 56 | Operation: | | | | |
| 57 | (800) Natural Gas Well Head Purchases | - | 4.528% | 3.986% | - |
| 58 | (804) Natural Gas City Gas Purchases | 257 | 4.528% | 3.986% | 279 |
| 59 | (804.1) Liquified Natural Gas Purchases | - | 4.528% | 3.986% | - |
| 60 | (807) Purchase Gas Expense | - | 4.528% | 3.986% | - |
| 61 | (808.1) Gas Withdrawn From Storage-Debit | - | 4.528% | 3.986% | - |
| 62 | (808.2) Gas Delivered to Storage-Credit | - | 4.528% | 3.986% | - |
| 63 | (810) Gas Used for Compress Station Fuel | - | 4.528% | 3.986% | - |
| 64 | (812) Gas Used for Other Operations-Credit | - | 4.528% | 3.986% | - |
| 65 | (813) Other Gas Supply Expenses | 8 | 4.528% | 3.986% | 9 |
| 66 | | | | | |
| 67 | TOTAL Operation | 265 | | | 288 |
| 68 | | | | | |
| 69 | Maintenance: | | | | |
| 70 | | - | 4.528% | 3.986% | - |
| 71 | | | | | |
| 72 | TOTAL Maintenance | - | | | - |
| 73 | TOTAL Production Expenses-Other Gas Sur | 265 | | | 288 |
| 74 | | | | | |
| 75 | TOTAL PRODUCTION EXPENSES | 265 | | | 288 |

May not cross-check due to rounding.

**Michigan Gas Utilities Corporation**
**Operation and Maintenance Expenses - Gas Utility - Labor**
**Historical and Forecasted**

| Line No. | | 2023 Historical Total O&M | 2024 CPI | 2025 CPI | 2025 Forecaste Total O&M Not Including K&M |
|---|---|---|---|---|---|
| 76 | (2) NATURAL GAS STORAGE | | | | |
| 77 | Operation: | | | | |
| 78 | (814) Operation Supervision & Engineering | 153 | 4.528% | 3.986% | 167 |
| 79 | (815) Maps & Records | 1 | 4.528% | 3.986% | 1 |
| 80 | (816) Wells | 20 | 4.528% | 3.986% | 22 |
| 81 | (817) Lines Expense | 19 | 4.528% | 3.986% | 21 |
| 82 | (818) Compressor Station | 7 | 4.528% | 3.986% | 8 |
| 83 | (819) Compress Station F&Pwr | - | 4.528% | 3.986% | - |
| 84 | (820) Measuring & Regulating Station | 2 | 4.528% | 3.986% | 2 |
| 85 | (821) Purification Expenses | 8 | 4.528% | 3.986% | 8 |
| 86 | (824) Other Expenses | 72 | 4.528% | 3.986% | 79 |
| 87 | | | | | |
| 88 | TOTAL Operation | 283 | | | 307 |
| 89 | | | | | |
| 90 | Maintenance: | | | | |
| 91 | (830) Maintenance Supervision & Engineering | - | 4.528% | 3.986% | - |
| 92 | (831) Maintenance of Structures & Improveme | - | 4.528% | 3.986% | - |
| 93 | (832) Maintenance Reservoirs & Wells | 2 | 4.528% | 3.986% | 2 |
| 94 | (833) Maintenance of Lines | 1 | 4.528% | 3.986% | 1 |
| 95 | (834) Maintenance Compressor Station Equip | 4 | 4.528% | 3.986% | 4 |
| 96 | (835) Maintenance Measuring & Regulating Ec | - | 4.528% | 3.986% | - |
| 97 | (836) Maintenance Purification Equipment | 3 | 4.528% | 3.986% | 3 |
| 98 | (837) Maintenance Other Equipment | - | 4.528% | 3.986% | - |
| 99 | (840) Supervision & Engineering | - | 4.528% | 3.986% | - |
| 100 | (843.7) Compressor Equipment | | | | |
| 101 | | | | | |
| 102 | TOTAL Maintenance | 9 | | | 10 |
| 103 | TOTAL Natural Gas Storage Expenses | 292 | | | 317 |
| 104 | | | | | |
| 105 | (3) TRANSMISSION EXPENSES | | | | |
| 106 | Operation: | | | | |
| 107 | (850) Operation Supervision & Engineering | 7 | 4.528% | 3.986% | 7 |
| 108 | (851) Sys Cont & Load Disp | - | 4.528% | 3.986% | - |
| 109 | (854) Gas For Compressor Station Fuel | - | 4.528% | 3.986% | - |
| 110 | (856) Mains Exp | 4 | 4.528% | 3.986% | 4 |
| 111 | (857) Measuring & Regulating Station | 5 | 4.528% | 3.986% | 6 |
| 112 | (859) Other Expenses | 2 | 4.528% | 3.986% | 3 |
| 113 | | - | | | |
| 114 | TOTAL Operation | 18 | | | 20 |
| 115 | | | | | |
| 116 | Maintenance: | | | | |
| 117 | (863) Maintenance of Mains | 0 | 4.528% | 3.986% | 1 |
| 118 | (865) Maintenance Measuring & Regulating Ec | 54 | 4.528% | 3.986% | 59 |
| 119 | (867) Maintenance Other Equipment | - | 4.528% | 3.986% | - |
| 120 | | | | | |
| 121 | TOTAL Maintenance | 55 | | | 59 |
| 122 | TOTAL Transmission Expenses | 73 | | | 79 |

May not cross-check due to rounding.

## Michigan Gas Utilities Corporation
## Operation and Maintenance Expenses - Gas Utility - Labor
## Historical and Forecasted

| Line No. | | 2023 Historical Total O&M | 2024 CPI | 2025 CPI | 2025 Forecaste Total O&M Not Including K&M |
|---|---|---|---|---|---|
| 123 | | | | | |
| 124 | (4) DISTRIBUTION EXPENSES | | | | |
| 125 | Operation: | | | | |
| 126 | (870) Operation Supervision & Engineering | 619 | 4.528% | 3.986% | 673 |
| 127 | (871) Distribution Load Dispatching | 188 | 4.528% | 3.986% | 205 |
| 128 | (874) Mains and Services Expenses | 1,819 | 4.528% | 3.986% | 1,977 |
| 129 | (875) Measuring & Regulating Station Equipm | 21 | 4.528% | 3.986% | 23 |
| 130 | (877) Measuring & Regulating Station Equipm | 142 | 4.528% | 3.986% | 154 |
| 131 | (878) Meter & House Regulator Expense | 598 | 4.528% | 3.986% | 650 |
| 132 | (879) Customer Installations Expense | 699 | 4.528% | 3.986% | 760 |
| 133 | (880) Other Expenses | 1,908 | 4.528% | 3.986% | 2,074 |
| 134 | (881) Rents | - | 4.528% | 3.986% | - |
| 135 | | - | | | |
| 136 | TOTAL Operation | 5,994 | | | 6,515 |
| 137 | | | | | |
| 138 | Maintenance: | | | | |
| 139 | (885) Maintenance Supervision & Engineering | - | 4.528% | 3.986% | - |
| 140 | (887) Maintenance of Mains | 497 | 4.528% | 3.986% | 540 |
| 141 | (889) Maintenance of Measuring & Regulating | 59 | 4.528% | 3.986% | 65 |
| 142 | (891) Maintenance of Measuring & Regulating | 84 | 4.528% | 3.986% | 91 |
| 143 | (892) Maintenance of Services | 141 | 4.528% | 3.986% | 153 |
| 144 | (893) Maintenance of Meters & House Regulat | 397 | 4.528% | 3.986% | 431 |
| 145 | (894) Maintenance of Other Equipment | 192 | 4.528% | 3.986% | 209 |
| 146 | | | | | |
| 147 | TOTAL Maintenance | 1,370 | | | 1,489 |
| 148 | TOTAL Distribution Expenses | 7,364 | | | 8,005 |
| 149 | | | | | |

May not cross-check due to rounding.

**Michigan Gas Utilities Corporation**
**Operation and Maintenance Expenses - Gas Utility - Labor**
**Historical and Forecasted**

| Line No. | | 2023 Historical Total O&M | 2024 CPI | 2025 CPI | 2025 Forecaste Total O&M Not Including K&M |
|---|---|---|---|---|---|
| 150 | (5) CUSTOMER ACCOUNTS EXPENSES | | | | |
| 151 | Operation: | | | | |
| 152 | (901) Supervision | 80 | 4.528% | 3.986% | 87 |
| 153 | (902) Meter Reading Expenses | 254 | 4.528% | 3.986% | 276 |
| 154 | (903) Customer Records and Collection Exper | 1,477 | 4.528% | 3.986% | 1,605 |
| 155 | (904) Uncollectible Accounts | - | 4.528% | 3.986% | - |
| 156 | (905) Miscellaneous Customer Accounts Expe | 35 | 4.528% | 3.986% | 38 |
| 157 | TOTAL Customer Accounts Expenses | 1,846 | | | 2,006 |
| 158 | | | | | |
| 159 | (6) CUSTOMER SERVICE AND INFORMATIONAL EXPENSES | | | | |
| 160 | Operation: | | | | |
| 161 | (907) Supervision | 18 | 4.528% | 3.986% | 20 |
| 162 | (908) Customer Assistance Expenses | 224 | 4.528% | 3.986% | 243 |
| 163 | (909) Informational and Instructional Expenses | - | 4.528% | 3.986% | - |
| 164 | (910) Miscellaneous Customer Service and Inf | - | 4.528% | 3.986% | - |
| 165 | TOTAL Cust. Service and Informational Expe | 242 | | | 263 |
| 166 | | | | | |
| 167 | (7) SALES EXPENSES | | | | |
| 168 | Operation: | | | | |
| 169 | (911) Supervision | - | 4.528% | 3.986% | - |
| 170 | (912) Demonstrating and Selling Expenses | - | 4.528% | 3.986% | - |
| 171 | (913) Advertising Expenses | - | 4.528% | 3.986% | - |
| 172 | (916) Miscellaneous Sales Expenses | - | 4.528% | 3.986% | - |
| 173 | TOTAL Sales Expenses | - | | | - |
| 174 | | | | | |

May not cross-check due to rounding.

**Michigan Gas Utilities Corporation**
**Operation and Maintenance Expenses - Gas Utility - Labor**
**Historical and Forecasted**

| Line No. | | 2023 Historical Total O&M | 2024 CPI | 2025 CPI | 2025 Forecaste Total O&M Not Including K&M |
|---|---|---|---|---|---|
| 175 | (8) ADMINISTRATIVE AND GENERAL EXPENSES | | | | |
| 176 | Operation: | | | | |
| 177 | (920) Administrative and General Salaries | 2,960 | 4.528% | 3.986% | 3,217 |
| 178 | (921) Office Supplies and Expenses | - | 4.528% | 3.986% | - |
| 179 | (922) Administrative Expenses Transferred-Cr | - | 4.528% | 3.986% | - |
| 180 | (923) Outside Services Employed | - | 4.528% | 3.986% | - |
| 181 | (924) Property Insurance | - | 4.528% | 3.986% | - |
| 182 | (925) Injuries and Damages | 49 | 4.528% | 3.986% | 53 |
| 183 | (926) Employee Pensions and Benefits | - | 4.528% | 3.986% | - |
| 184 | (927) Franchise Requirements | - | 4.528% | 3.986% | - |
| 185 | (928) Regulatory Commission Expenses | 188 | 4.528% | 3.986% | 204 |
| 186 | (929) Duplicate Charges-Cr. | - | 4.528% | 3.986% | - |
| 187 | (930) Advertising Expenses | - | 4.528% | 3.986% | - |
| 188 | (930.1) General Advertising Expenses | - | 4.528% | 3.986% | - |
| 189 | (930.2) Miscellaneous General Expenses | 29 | 4.528% | 3.986% | 32 |
| 190 | (931) Rents | 2 | 4.528% | 3.986% | 2 |
| 191 | TOTAL Operation | 3,228 | | | 3,509 |
| 192 | | | | | |
| 193 | Maintenance: | | | | |
| 194 | (935) Maintenance of General Plant | - | 4.528% | 3.986% | - |
| 195 | TOTAL Maintenance | - | | | - |
| 196 | TOTAL Administrative and General Expenses | 3,228 | | | 3,509 |
| 197 | | | | | |
| 198 | TOTAL Operation and Maintenance Expense | 13,310 | | | 14,468 |

May not cross-check due to rounding.

**Michigan Gas Utilities Corporation**
**Operation and Maintenance Expenses - Gas Utility - Non-Labor**
**Historical and Forecasted**

| Line No. | | 2,023 Historical Total O&M | 2024 CPI | 2025 CPI | 2025 Forecasted Total O&M Not Including K&M |
|---|---|---|---|---|---|
| 1 | (1) PRODUCTION EXPENSES | | | | |
| 2 | A. Gas Steam Production | | | | |
| 3 | Operation: | | | | |
| 4 | (700) Operation Supervision & Engineering | - | 2.500% | 2.350% | - |
| 5 | (701) Operation Labor | - | 2.500% | 2.350% | - |
| 6 | (702) Boiler Fuel | - | 2.500% | 2.350% | - |
| 7 | (703) Miscellaneous Steam Expenses | - | 2.500% | 2.350% | - |
| 8 | (704) Transferred-Credit | - | 2.500% | 2.350% | - |
| 9 | | | | | |
| 10 | TOTAL Operation | - | | | - |
| 11 | | | | | |
| 12 | Maintenance: | | | | |
| 13 | (705) Maintenance Supervision & Engineering | - | 2.500% | 2.350% | - |
| 14 | (706) Maintenance of Structures & Improvements | - | 2.500% | 2.350% | - |
| 15 | (707) Maintenance of Boiler Plant Equipment | - | 2.500% | 2.350% | - |
| 16 | (708) Maint of Oth Stm ProdPlt | - | 2.500% | 2.350% | - |
| 17 | | | | | |
| 18 | TOTAL Maintenance | - | | | - |
| 19 | TOTAL Production Expenses-Gas Steam | - | | | - |
| 20 | | | | | |
| 21 | B. Liquified Gas Production | | | | |
| 22 | Operation: | | | | |
| 23 | (710) Operation Supervision & Engineering | - | 2.500% | 2.350% | - |
| 24 | (711) Steam Expenses | - | 2.500% | 2.350% | - |
| 25 | (712) Other Power Expenses | - | 2.500% | 2.350% | - |
| 26 | (717) Petroleum Gas Expenses | - | 2.500% | 2.350% | - |
| 27 | (728) Petroleum Gas | - | 2.500% | 2.350% | - |
| 28 | (732) Purification Expenses | - | 2.500% | 2.350% | - |
| 29 | (735) Miscellaneous Production Expenses | 969 | 2.500% | 2.350% | 1,016 |
| 30 | (736) Rents | - | 2.500% | 2.350% | - |
| 31 | | | | | |
| 32 | TOTAL Operation | 969 | | | 1,016 |
| 33 | | | | | |
| 34 | Maintenance: | | | | |
| 35 | (740) Maintenance Supervision & Engineering | - | 2.500% | 2.350% | - |
| 36 | (741) Maintenance of Structures & Improvements | - | 2.500% | 2.350% | - |
| 37 | (742) Maintenance of Production Equipment | - | 2.500% | 2.350% | - |
| 38 | | | | | |
| 39 | TOTAL Maintenance | - | | | - |
| 40 | TOTAL Production Expenses-Liquified Gas | 969 | | | 1,016 |

May not cross-check due to rounding.

## Michigan Gas Utilities Corporation
## Operation and Maintenance Expenses - Gas Utility - Non-Labor
## Historical and Forecasted

| Line No. | | 2,023 Historical Total O&M | 2024 CPI | 2025 CPI | 2025 Forecasted Total O&M Not Including K&M |
|---|---|---|---|---|---|
| 41 | | | | | |
| 42 | C. Natural Gas Production | | | | |
| 43 | Operation: | | | | |
| 44 | (754) Field Compressor Station | - | 2.500% | 2.350% | - |
| 45 | (756) Field Measuring & Regulating Station | - | 2.500% | 2.350% | - |
| 46 | | | | | |
| 47 | TOTAL Operation | - | | | - |
| 48 | | | | | |
| 49 | Maintenance: | | | | - |
| 50 | | - | 2.500% | 2.350% | - |
| 51 | | | | | |
| 52 | TOTAL Maintenance | - | | | - |
| 53 | TOTAL Production Expenses-Natural Gas | - | | | - |
| 54 | | | | | |
| 55 | D. Other Gas Supply Expenses | | | | |
| 56 | Operation: | | | | |
| 57 | (800) Natural Gas Well Head Purchases | - | 2.500% | 2.350% | - |
| 58 | (804) Natural Gas City Gas Purchases | 16 | 2.500% | 2.350% | 17 |
| 59 | (804.1) Liquified Natural Gas Purchases | - | 2.500% | 2.350% | - |
| 60 | (807) Purchase Gas Expense | - | 2.500% | 2.350% | - |
| 61 | (808.1) Gas Withdrawn From Storage-Debit | - | 2.500% | 2.350% | - |
| 62 | (808.2) Gas Delivered to Storage-Credit | - | 2.500% | 2.350% | - |
| 63 | (810) Gas Used for Compress Station Fuel | - | 2.500% | 2.350% | - |
| 64 | (812) Gas Used for Other Operations-Credit | - | 2.500% | 2.350% | - |
| 65 | (813) Other Gas Supply Expenses | 0 | 2.500% | 2.350% | 0 |
| 66 | | | | | |
| 67 | TOTAL Operation | 16 | | | 17 |
| 68 | | | | | |
| 69 | Maintenance: | | | | |
| 70 | | - | 2.500% | 2.350% | - |
| 71 | | | | | |
| 72 | TOTAL Maintenance | - | | | - |
| 73 | TOTAL Production Expenses-Other Gas Supply | 16 | | | 17 |
| 74 | | | | | |
| 75 | TOTAL PRODUCTION EXPENSES | 985 | | | 1,033 |

May not cross-check due to rounding.

**Michigan Gas Utilities Corporation**
**Operation and Maintenance Expenses - Gas Utility - Non-Labor**
**Historical and Forecasted**

| Line No. | | 2,023 Historical Total O&M | 2024 CPI | 2025 CPI | 2025 Forecasted Total O&M Not Including K&M |
|---|---|---|---|---|---|
| 76 | (2) NATURAL GAS STORAGE | | | | |
| 77 | Operation: | | | | |
| 78 | (814) Operation Supervision & Engineering | (1) | 2.500% | 2.350% | (1) |
| 79 | (815) Maps & Records | - | 2.500% | 2.350% | - |
| 80 | (816) Wells | 54 | 2.500% | 2.350% | 57 |
| 81 | (817) Lines Expense | 11 | 2.500% | 2.350% | 12 |
| 82 | (818) Compressor Station | 26 | 2.500% | 2.350% | 27 |
| 83 | (819) Compress Station F&Pwr | - | 2.500% | 2.350% | - |
| 84 | (820) Measuring & Regulating Station | 2 | 2.500% | 2.350% | 2 |
| 85 | (821) Purification Expenses | 2 | 2.500% | 2.350% | 2 |
| 86 | (824) Other Expenses | 77 | 2.500% | 2.350% | 81 |
| 87 | | | | | |
| 88 | TOTAL Operation | 172 | | | 180 |
| 89 | | | | | |
| 90 | Maintenance: | | | | |
| 91 | (830) Maintenance Supervision & Engineering | - | 2.500% | 2.350% | - |
| 92 | (831) Maintenance of Structures & Improvements | 34 | 2.500% | 2.350% | 36 |
| 93 | (832) Maintenance Reservoirs & Wells | 33 | 2.500% | 2.350% | 35 |
| 94 | (833) Maintenance of Lines | 1 | 2.500% | 2.350% | 1 |
| 95 | (834) Maintenance Compressor Station Equipment | 22 | 2.500% | 2.350% | 24 |
| 96 | (835) Maintenance Measuring & Regulating Equipment | - | 2.500% | 2.350% | - |
| 97 | (836) Maintenance Purification Equipment | 2 | 2.500% | 2.350% | 2 |
| 98 | (837) Maintenance Other Equipment | 4 | 2.500% | 2.350% | 4 |
| 99 | (840) Supervision & Engineering | - | 2.500% | 2.350% | - |
| 100 | (843.7) Compressor Equipment | | | | |
| 101 | | | | | |
| 102 | TOTAL Maintenance | 97 | | | 102 |
| 103 | TOTAL Natural Gas Storage Expenses | 269 | | | 282 |
| 104 | | | | | |
| 105 | (3) TRANSMISSION EXPENSES | | | | |
| 106 | Operation: | | | | |
| 107 | (850) Operation Supervision & Engineering | 3 | 2.500% | 2.350% | 4 |
| 108 | (851) Sys Cont & Load Disp | - | 2.500% | 2.350% | - |
| 109 | (854) Gas For Compressor Station Fuel | 43 | 2.500% | 2.350% | 46 |
| 110 | (856) Mains Exp | 1 | 2.500% | 2.350% | 1 |
| 111 | (857) Measuring & Regulating Station | 101 | 2.500% | 2.350% | 105 |
| 112 | (859) Other Expenses | 23 | 2.500% | 2.350% | 24 |
| 113 | | | | | |
| 114 | TOTAL Operation | 171 | | | 180 |
| 115 | | | | | |
| 116 | Maintenance: | | | | |
| 117 | (863) Maintenance of Mains | 1 | 2.500% | 2.350% | 1 |
| 118 | (865) Maintenance Measuring & Regulating Equipment | 57 | 2.500% | 2.350% | 60 |
| 119 | (867) Maintenance Other Equipment | - | 2.500% | 2.350% | - |
| 120 | | | | | |
| 121 | TOTAL Maintenance | 58 | | | 61 |
| 122 | TOTAL Transmission Expenses | 229 | | | 241 |

May not cross-check due to rounding.

## Michigan Gas Utilities Corporation
## Operation and Maintenance Expenses - Gas Utility - Non-Labor
## Historical and Forecasted

| Line No. | | 2,023 Historical Total O&M | 2024 CPI | 2025 CPI | 2025 Forecasted Total O&M Not Including K&M |
|---|---|---|---|---|---|
| 123 | | | | | |
| 124 | (4) DISTRIBUTION EXPENSES | | | | |
| 125 | Operation: | | | | |
| 126 | (870) Operation Supervision & Engineering | 145 | 2.500% | 2.350% | 152 |
| 127 | (871) Distribution Load Dispatching | 0 | 2.500% | 2.350% | 1 |
| 128 | (874) Mains and Services Expenses | 480 | 2.500% | 2.350% | 504 |
| 129 | (875) Measuring & Regulating Station Equipment | 3 | 2.500% | 2.350% | 4 |
| 130 | (877) Measuring & Regulating Station Equipment-City Gate Check Station | 53 | 2.500% | 2.350% | 56 |
| 131 | (878) Meter & House Regulator Expense | 86 | 2.500% | 2.350% | 90 |
| 132 | (879) Customer Installations Expense | 124 | 2.500% | 2.350% | 130 |
| 133 | (880) Other Expenses | 812 | 2.500% | 2.350% | 852 |
| 134 | (881) Rents | 7 | 2.500% | 2.350% | 7 |
| 135 | | | | | |
| 136 | TOTAL Operation | 1,710 | | | 1,794 |
| 137 | | | | | |
| 138 | Maintenance: | | | | |
| 139 | (885) Maintenance Supervision & Engineering | - | 2.500% | 2.350% | - |
| 140 | (887) Maintenance of Mains | 241 | 2.500% | 2.350% | 253 |
| 141 | (889) Maintenance of Measuring & Regulating Station | 10 | 2.500% | 2.350% | 10 |
| 142 | (891) Maintenance of Measuring & Regulating Gate Station Equipment | 28 | 2.500% | 2.350% | 29 |
| 143 | (892) Maintenance of Services | 633 | 2.500% | 2.350% | 664 |
| 144 | (893) Maintenance of Meters & House Regulators | 56 | 2.500% | 2.350% | 58 |
| 145 | (894) Maintenance of Other Equipment | 103 | 2.500% | 2.350% | 108 |
| 146 | | | | | |
| 147 | TOTAL Maintenance | 1,070 | | | 1,123 |
| 148 | TOTAL Distribution Expenses | 2,780 | | | 2,917 |
| 149 | | | | | |

May not cross-check due to rounding.

## Michigan Gas Utilities Corporation
## Operation and Maintenance Expenses - Gas Utility - Non-Labor
## Historical and Forecasted

| Line No. | | 2,023 Historical Total O&M | 2024 CPI | 2025 CPI | 2025 Forecasted Total O&M Not Including K&M |
|---|---|---|---|---|---|
| 150 | (5) CUSTOMER ACCOUNTS EXPENSES | | | | |
| 151 | Operation: | | | | |
| 152 | (901) Supervision | 2 | 2.500% | 2.350% | 2 |
| 153 | (902) Meter Reading Expenses | 138 | 2.500% | 2.350% | 145 |
| 154 | (903) Customer Records and Collection Expenses | 3,268 | 2.500% | 2.350% | 3,428 |
| 155 | (904) Uncollectible Accounts | 2,273 | 2.500% | 2.350% | 2,385 |
| 156 | (905) Miscellaneous Customer Accounts Expenses | 60 | 2.500% | 2.350% | 63 |
| 157 | TOTAL Customer Accounts Expenses | 5,741 | | | 6,023 |
| 158 | | | | | |
| 159 | (6) CUSTOMER SERVICE AND INFORMATIONAL EXPENSES | | | | |
| 160 | Operation: | | | | |
| 161 | (907) Supervision | 0 | 2.500% | 2.350% | 0 |
| 162 | (908) Customer Assistance Expenses | 93 | 2.500% | 2.350% | 98 |
| 163 | (909) Informational and Instructional Expenses | 152 | 2.500% | 2.350% | 159 |
| 164 | (910) Miscellaneous Customer Service and Informational Expenses | - | 2.500% | 2.350% | - |
| 165 | TOTAL Cust. Service and Informational Expenses | 245 | | | 257 |
| 166 | | | | | |
| 167 | (7) SALES EXPENSES | | | | |
| 168 | Operation: | | | | |
| 169 | (911) Supervision | - | 2.500% | 2.350% | - |
| 170 | (912) Demonstrating and Selling Expenses | - | 2.500% | 2.350% | - |
| 171 | (913) Advertising Expenses | - | 2.500% | 2.350% | - |
| 172 | (916) Miscellaneous Sales Expenses | - | 2.500% | 2.350% | - |
| 173 | TOTAL Sales Expenses | - | | | - |
| 174 | | | | | |

May not cross-check due to rounding.

**Michigan Gas Utilities Corporation**
**Operation and Maintenance Expenses - Gas Utility - Non-Labor**
**Historical and Forecasted**

| Line No. | | 2,023 Historical Total O&M | 2024 CPI | 2025 CPI | 2025 Forecasted Total O&M Not Including K&M |
|---|---|---|---|---|---|
| 175 | (8) ADMINISTRATIVE AND GENERAL EXPENSES | | | | |
| 176 | Operation: | | | | |
| 177 | (920) Administrative and General Salaries | 12 | 2.500% | 2.350% | 12 |
| 178 | (921) Office Supplies and Expenses | 381 | 2.500% | 2.350% | 400 |
| 179 | (922) Administrative Expenses Transferred-Credit | (187) | 2.500% | 2.350% | (196) |
| 180 | (923) Outside Services Employed | 500 | 2.500% | 2.350% | 525 |
| 181 | (924) Property Insurance | 88 | 2.500% | 2.350% | 93 |
| 182 | (925) Injuries and Damages | 985 | 2.500% | 2.350% | 1,033 |
| 183 | (926) Employee Pensions and Benefits | 2,649 | 2.500% | 2.350% | 2,779 |
| 184 | (927) Franchise Requirements | - | 2.500% | 2.350% | - |
| 185 | (928) Regulatory Commission Expenses | 475 | 2.500% | 2.350% | 498 |
| 186 | (929) Duplicate Charges-Cr. | - | 2.500% | 2.350% | - |
| 187 | (930) Advertising Expenses | - | 2.500% | 2.350% | - |
| 188 | (930.1) General Advertising Expenses | - | 2.500% | 2.350% | - |
| 189 | (930.2) Miscellaneous General Expenses | 547 | 2.500% | 2.350% | 573 |
| 190 | (931) Rents | 400 | 2.500% | 2.350% | 420 |
| 191 | TOTAL Operation | 5,850 | | | 6,137 |
| 192 | | | | | |
| 193 | Maintenance: | | | | |
| 194 | (935) Maintenance of General Plant | - | 2.500% | 2.350% | - |
| 195 | TOTAL Maintenance | - | | | - |
| 196 | TOTAL Administrative and General Expenses | 5,850 | | | 6,137 |
| 197 | | | | | |
| 198 | TOTAL Operation and Maintenance Expenses | 16,099 | | | 16,890 |

May not cross-check due to rounding.

**Michigan Gas Utilities Corporation**
**Known and Measurable Adjustment, account 735**
**Manufactured Gas Plant Remediation**

**Case No.:** U-21540
**Exhibit No.:** A-17
**Schedule:** G2

**Witness:** Anthony Reese

| Line | | | Non Labor | |
|---|---|---|---|---|
| 1 | 2025 Manufactured Gas Plant Remediation Amortization | | | $ 681,190 |
| 2 | 2023 Manufactured Gas Plant Remediation Amortization | | $ 968,589 | |
| 3 | 2024 Inflation | 2.500% | | |
| 4 | 2025 Inflation | 2.350% | | |
| 5 | Composite Inflation | 4.909% | | |
| 6 | Inflation on 2023 Manufactured Gas Plant Remediation Amortization | | $ 47,546 | |
| 7 | 2023 Manufactured Gas Plant Remediation Amortization Inflated to 2025 | | | $ 1,016,134 |
| 8 | Known and Measurable Increase (Decrease) in 2025 | | | $ (334,944) |
| | | | | Account 735 |

**Michigan Gas Utilities Corporation**
**Calculation of Manufactured Gas Plant Costs**
**For the Period Ending December 31, 2025**

**Case No.:** U-21540
**Exhibit No.:** A-17
**Schedule:** G2
**Page:** 2 of 2
**Witness:** Anthony Reese

| | Year Expenditure Incurred | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Vintage Year Costs | 3,887,126 | 1,037,171 | 778,741 | 332,126 | 520,348 | 622,499 | 437,697 | 425,922 | 1,644,256 | 343,545 |
| 2 | Amortization of Costs - Year | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 |
| 3 | January | 66,545 | 74,786 | 81,276 | 74,883 | 73,975 | 75,736 | 76,094 | 70,562 | 80,716 | 83,579 |
| 4 | February | 66,545 | 74,786 | 81,276 | 74,883 | 73,975 | 75,736 | 76,094 | 70,562 | 80,716 | 83,579 |
| 5 | March | 66,545 | 74,786 | 81,276 | 52,680 | 73,975 | 75,736 | 76,094 | 70,562 | 80,716 | 83,579 |
| 6 | April | 66,545 | 74,786 | 81,276 | 74,883 | 73,975 | 75,736 | 76,094 | 70,562 | 80,716 | 83,579 |
| 7 | May | 66,545 | 74,786 | 81,276 | 74,883 | 73,975 | 75,736 | 76,094 | 70,562 | 80,716 | 83,579 |
| 8 | June | 66,545 | 74,786 | 81,276 | 74,883 | 73,975 | 75,736 | 76,094 | 70,562 | 80,716 | 83,579 |
| 9 | July | 66,545 | 74,786 | 81,276 | 74,883 | 73,975 | 75,736 | 76,094 | 70,562 | 80,716 | 83,579 |
| 10 | August | 66,545 | 74,786 | 81,276 | 74,883 | 73,975 | 75,736 | 76,094 | 70,562 | 80,716 | 83,579 |
| 11 | September | 66,545 | 74,786 | 81,276 | 74,883 | 73,975 | 75,736 | 76,094 | 70,562 | 80,716 | 83,579 |
| 12 | October | 66,545 | 74,786 | 81,276 | 74,883 | 73,975 | 75,736 | 76,094 | 70,562 | 80,716 | 83,579 |
| 13 | November | 66,545 | 74,786 | 81,276 | 74,883 | 73,975 | 75,736 | 76,094 | 70,562 | 80,716 | 83,579 |
| 14 | December | 66,545 | 74,786 | 81,276 | 74,883 | 73,975 | 75,736 | 76,094 | 70,562 | 80,716 | 83,579 |
| 15 | Annual Amortization | 798,534 | 897,434 | 975,308 | 876,389 | 887,703 | 908,830 | 913,131 | 846,742 | 968,589 | 1,002,943 |
| 16 | End of Year Env Study Accrual | | | 22,067,000 | 21,176,000 | 19,313,000 | 17,388,000 | 17,997,000 | 14,547,000 | 14,201,000 | 14,201,000 |
| 17 | Net Unamortized Balance | 26,116,308 | 26,914,842 | 27,563,114 | 26,293,870 | 24,165,665 | 21,769,532 | 21,891,323 | 19,238,837 | 18,267,794 | 17,934,451 |

18 **Total Amortization for the Twelve Months Ending, December 31, 2025**

19 Historical Period Amount - Twelve Months Ended, December 31, 2023

**Michigan Gas Utilities Corporation**
**Known and Measurable Adjustment, account 832**
**Underground Storage Expenses - Maintenance of reservoirs and wells**

**Case No.:** U-21540
**Exhibit No.:** A-17
**Schedule:** G3

**Witness:** Anthony Reese

| Line | | | Labor | | Non Labor | |
|---|---|---|---|---|---|---|
| 1 | 2025 FERC (832) maintenance | | | | | $ 97,416 |
| 2 | 2023 FERC (832) maintenance | | $ 2,281 | | $ 33,302 | |
| 3 | 2024 Inflation | 4.528% | | 2.500% | | |
| 4 | 2025 Inflation | 3.986% | | 2.350% | | |
| 5 | Composite Inflation | 8.694% | | 4.909% | | |
| 6 | Inflation on 2023 FERC (832) maintenance | | $ 198 | | $ 1,635 | |
| 7 | 2023 FERC (832) maintenance Inflated to 2025 | | | | | $ 37,416 |
| 8 | Known and Measurable Increase (Decrease) in 2025 | | | | | $ 60,000 |
| | | | | | | Account 832 |

**Michigan Gas Utilities Corporation**
**Known and Measurable Adjustment, account 840**
**Underground Storage Expenses - Operation Supervision and Engineering**

**Case No.:** U-21540
**Exhibit No.:** A-17
**Schedule:** G4
**Page:** 1 of 1
**Witness:** Anthony Reese

| Line | | | Labor | | Non Labor | |
|---|---|---|---|---|---|---|
| 1 | 2025 FERC (840) maintenance | | | | | $ 25,000 |
| 2 | 2023 FERC (840) maintenance | | $ - | | $ - | |
| 3 | 2024 Inflation | 4.528% | | 2.500% | | |
| 4 | 2025 Inflation | 3.986% | | 2.350% | | |
| 5 | Composite Inflation | 8.694% | | 4.909% | | |
| 6 | Inflation on 2023 FERC (840) maintenance | | $ - | | $ - | |
| 7 | 2023 FERC (840) maintenance Inflated to 2025 | | | | | $ - |
| 8 | Known and Measurable Increase (Decrease) in 2025 | | | | | $ 25,000 |
| | | | | | | Account 840 |

**Michigan Gas Utilities Corporation**
**Known and Measurable Adjustment, account 843.7**
**Underground Storage Expenses - Maintenance of Compressor Equipment**



| Line | | | Labor | | Non Labor | |
|---|---|---|---|---|---|---|
| 1 | 2025 FERC (843.7) maintenance | | | | | $ 50,000 |
| 2 | 2023 FERC (843.7) maintenance | | $ - | | $ - | |
| 3 | 2024 Inflation | 4.528% | | 2.500% | | |
| 4 | 2025 Inflation | 3.986% | | 2.350% | | |
| 5 | Composite Inflation | 8.694% | | 4.909% | | |
| 6 | Inflation on 2023 FERC (843.7) maintenance | | $ - | | $ - | |
| 7 | 2023 FERC (843.7) maintenance Inflated to 2025 | | | | | $ - |
| 8 | Known and Measurable Increase (Decrease) in 2025 | | | | | $ 50,000 |
| | | | | | | Account 843.7 |

**Michigan Gas Utilities Corporation**
**Known and Measurable Adjustment, account 856**
**Transmission Operations Mains Expense**

**Case No.:** U-21540
**Exhibit No.:** A-17
**Schedule:** G6

**Witness:** Anthony Reese

| Line | | | Labor | | Non Labor | |
|---|---|---|---|---|---|---|
| 1 | 2025 FERC (856) Mains Exp | | | | | $ 389,840 |
| 2 | 2023 FERC (856) Mains Exp | | $ 4,470 | | | |
| 3 | 2024 Inflation | 4.528% | | 2.500% | | |
| 4 | 2025 Inflation | 3.986% | | 2.350% | | |
| 5 | Composite Inflation | 8.694% | | 4.909% | | |
| 6 | Inflation on 2023 (856) Mains Exp | | $ 389 | | $ - | |
| 7 | 2023 (856) Mains Exp Inflated to 2025 | | | | | $ 4,859 |
| 8 | Known and Measurable Increase (Decrease) in 2025 | | | | | $ 384,981 |

Account 856

**Michigan Gas Utilities Corporation**
**Known and Measurable Adjustment, account 863**
**Maintenance of Mains**

**Case No.:** U-21540
**Exhibit No.:** A-17
**Schedule:** G7

**Witness:** Anthony Reese

| Line | | | Labor | | Non Labor | |
|---|---|---|---|---|---|---|
| 1 | 2025 FERC (863) Mains Exp | | | | | $ 301,339 |
| 2 | 2023 FERC (863) Mains Exp | | $ - | | $ 1,259 | |
| 3 | 2024 Inflation | 4.528% | | 2.500% | | |
| 4 | 2025 Inflation | 3.986% | | 2.350% | | |
| 5 | Composite Inflation | 8.694% | | 4.909% | | |
| 6 | Inflation on 2023 (863) Mains Exp | | $ - | | $ 62 | |
| 7 | 2023 (863) Mains Exp Inflated to 2025 | | | | | $ 1,321 |
| 8 | Known and Measurable Increase (Decrease) in 2025 | | | | | $ 300,018 |
| | | | | | | Account 863 |

**Michigan Gas Utilities Corporation**
**Known and Measurable Adjustment, account 865**
**Maintenance of of Measuring and Regulating Station Equipment**

**Case No.:** U-21540
**Exhibit No.:** A-17
**Schedule:** G8
**Page:** 1 of 1
**Witness:** Anthony Reese

| Line | | | Labor | | Non Labor | |
|---|---|---|---|---|---|---|
| 1 | 2025 FERC (865) Mains Exp | | | | | $ 244,075 |
| 2 | 2023 FERC (865) Mains Exp | | $ 54,243 | | $ 57,303 | |
| 3 | 2024 Inflation | 4.528% | | 2.500% | | |
| 4 | 2025 Inflation | 3.986% | | 2.350% | | |
| 5 | Composite Inflation | 8.694% | | 4.909% | | |
| 6 | Inflation on 2023 (865) Mains Exp | | $ 4,716 | | $ 2,813 | |
| 7 | 2023 (865) Mains Exp Inflated to 2025 | | | | | $ 119,075 |
| 8 | Known and Measurable Increase (Decrease) in 2025 | | | | | $ 125,000 |
| | | | | | | Account 865 |

**Michigan Gas Utilities Corporation**
**Known and Measurable Adjustment, account 870**
**Distribution Operations Operation Supervision and Engineering**

**Case No.:** U-21540
**Exhibit No.:** A-17
**Schedule:** G9
**Page:** 1 of 1
**Witness:** Anthony Reese

| Line | | | Labor | | Non Labor | |
|---|---|---|---|---|---|---|
| 1 | 2025 FERC (870) Mains and Services Expenses | | | | | $ 1,049,448 |
| 2 | 2023 FERC (870) Mains and Services Expenses | | $ 618,773 | | $ 144,769 | |
| 3 | 2024 Inflation | 4.528% | | 2.500% | | |
| 4 | 2025 Inflation | 3.986% | | 2.350% | | |
| 5 | Composite Inflation | 8.694% | | 4.909% | | |
| 6 | Inflation on 2023 (870) Mains and Services Expenses | | $ 53,794 | | $ 7,106 | |
| 7 | 2023 (870) Mains and Services Expenses Inflated to 2025 | | | | | $ 824,443 |
| 8 | Known and Measurable Increase (Decrease) in 2025 | | | | | $ 225,005 |
| | | | | | | Account 870 |

**Michigan Gas Utilities Corporation**
**Known and Measurable Adjustment, account 874**
**Distribution Operations Mains and Services Expenses**

**Case No.:** U-21540
**Exhibit No.:** A-17
**Schedule:** G10
**Page:** 1 of 1
**Witness:** Anthony Reese

| Line | | | Labor | | Non Labor | |
|---|---|---|---|---|---|---|
| 1 | 2025 FERC (874) Mains and Services Expenses | | | | | $ 3,857,160 |
| 2 | 2023 FERC (874) Mains and Services Expenses | | $ 1,818,778 | | $ 480,019 | |
| 3 | 2024 Inflation | 4.528% | | 2.500% | | |
| 4 | 2025 Inflation | 3.986% | | 2.350% | | |
| 5 | Composite Inflation | 8.694% | | 4.909% | | |
| 6 | Inflation on 2023 (874) Mains and Services Expenses | | $ 158,119 | | $ 23,563 | |
| 7 | 2023 (874) Mains and Services Expenses Inflated to 2025 | | | | | $ 2,480,479 |
| 8 | Known and Measurable Increase (Decrease) in 2025 | | | | | $ 1,376,681 |

Account 874

**Michigan Gas Utilities Corporation**
**Known and Measurable Adjustment, account 875**
**Distribution Operations Measuring and Regulating Station Expenses - General**

**Case No.:** U-21540
**Exhibit No.:** A-17
**Schedule:** G11
**Page:** 1 of 1
**Witness:** Anthony Reese

| Line | | | Labor | | Non Labor | |
|---|---|---|---|---|---|---|
| 1 | 2025 FERC (875) Mains and Services Expenses | | | | | $ 51,991 |
| 2 | 2023 FERC (875) Mains and Services Expenses | | $ 21,492 | | $ 3,461 | |
| 3 | 2024 Inflation | 4.528% | | 2.500% | | |
| 4 | 2025 Inflation | 3.986% | | 2.350% | | |
| 5 | Composite Inflation | 8.694% | | 4.909% | | |
| 6 | Inflation on 2023 (875) Mains and Services Expenses | | $ 1,868 | | $ 170 | |
| 7 | 2023 (875) Mains and Services Expenses Inflated to 2025 | | | | | $ 26,991 |
| 8 | Known and Measurable Increase (Decrease) in 2025 | | | | | $ 25,000 |
| | | | | | | Account 875 |

**Michigan Gas Utilities Corporation**
**Known and Measurable Adjustment, account 877**
**Distribution Operations Measuring and Regulating Station Expenses - City Gate Check Stations**

**Case No.:** U-21540
**Exhibit No.:** A-17
**Schedule:** G12
**Page:** 1 of 1
**Witness:** Anthony Reese

| Line | | | Labor | | Non Labor | |
|---|---|---|---|---|---|---|
| 1 | 2025 FERC (877) Mains and Services Expenses | | | | | $ 359,603 |
| 2 | 2023 FERC (877) Mains and Services Expenses | | $ 141,700 | | $ 52,982 | |
| 3 | 2024 Inflation | 4.528% | | 2.500% | | |
| 4 | 2025 Inflation | 3.986% | | 2.350% | | |
| 5 | Composite Inflation | 8.694% | | 4.909% | | |
| 6 | Inflation on 2023 (877) Mains and Services Expenses | | $ 12,319 | | $ 2,601 | |
| 7 | 2023 (877) Mains and Services Expenses Inflated to 2025 | | | | | $ 209,602 |
| 8 | Known and Measurable Increase (Decrease) in 2025 | | | | | $ 150,001 |
| | | | | | | Account 877 |

**Michigan Gas Utilities Corporation**
**Known and Measurable Adjustment, account 878**
**Distribution Operations Meter and House Regulator Expenses**

**Case No.:** U-21540
**Exhibit No.:** A-17
**Schedule:** G13
**Page:** 1 of 1
**Witness:** Anthony Reese

| Line | | | Labor | | Non Labor | |
|---|---|---|---|---|---|---|
| 1 | 2025 FERC (878) Mains and Services Expenses | | | | | $ 940,144 |
| 2 | 2023 FERC (878) Mains and Services Expenses | | $ 598,075 | | $ 85,855 | |
| 3 | 2024 Inflation | 4.528% | | 2.500% | | |
| 4 | 2025 Inflation | 3.986% | | 2.350% | | |
| 5 | Composite Inflation | 8.694% | | 4.909% | | |
| 6 | Inflation on 2023 (878) Mains and Services Expenses | | $ 51,995 | | $ 4,214 | |
| 7 | 2023 (878) Mains and Services Expenses Inflated to 2025 | | | | | $ 740,139 |
| 8 | Known and Measurable Increase (Decrease) in 2025 | | | | | $ 200,005 |
| | | | | | | Account 878 |

**Michigan Gas Utilities Corporation**
**Known and Measurable Adjustment, account 880**
**Distribution Operations Other Expenses**



| Line | | | Labor | | Non Labor | |
|---|---|---|---|---|---|---|
| 1 | 2025 FERC (880) Other Expenses | | | | | $ 3,944,340 |
| 2 | 2023 FERC (880) Other Expenses | | $ 1,907,831 | | $ 811,939 | |
| 3 | 2024 Inflation | 4.528% | | 2.500% | | |
| 4 | 2025 Inflation | 3.986% | | 2.350% | | |
| 6 | Composite Inflation | 8.694% | | 4.909% | | |
| 7 | Inflation on 2023 (880) Other Expenses | | $ 165,861 | | $ 39,856 | |
| 8 | 2023 (880) Other Expenses Inflated to 2025 | | | | | $ 2,925,487 |
| 9 | Known and Measurable Increase (Decrease) in 2025 | | | | | $ 1,018,854 |
| | | | | | | Account 880 |

**Michigan Gas Utilities Corporation**
**Known and Measurable Adjustment, account 885**
**Distribution Maintenance Supervision and Engineering**

**Case No.:** U-21540
**Exhibit No.:** A-17
**Schedule:** G15
**Page:** 1 of 1
**Witness:** Anthony Reese

| Line | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | 2025 FERC (885) Maintenance of Mains | | | | | | $ 5,000 |
| | | | Labor | | Non Labor | | |
| 2 | 2023 FERC (885) Maintenance of Mains | | $ - | | $ - | | |
| 3 | 2024 Inflation | 4.528% | | 2.500% | | | |
| 4 | 2025 Inflation | 3.986% | | 2.350% | | | |
| 6 | Composite Inflation | 8.694% | | 4.909% | | | |
| 7 | Inflation on 2023 (885) Maintenance of Mains | | $ - | | $ - | | |
| 8 | 2023 (885) Maintenance of Mains Inflated to 2025 | | | | | | $ - |
| 9 | Known and Measurable Increase (Decrease) in 2025 | | | | | | $ 5,000 |
| | | | | | | | Account 885 |

**Michigan Gas Utilities Corporation**
**Known and Measurable Adjustment, account 887**
**Distribution Maintenance of Mains**

**Case No.:** U-21540
**Exhibit No.:** A-17
**Schedule:** G16
**Page:** 1 of 1
**Witness:** Anthony Reese

| Line | | | Labor | | Non Labor | |
|---|---|---|---|---|---|---|
| 1 | 2025 FERC (887) Maintenance of Mains | | | | | $ 1,818,147 |
| 2 | 2023 FERC (887) Maintenance of Mains | | $ 496,907 | | $ 241,196 | |
| 3 | 2024 Inflation | 4.528% | | 2.500% | | |
| 4 | 2025 Inflation | 3.986% | | 2.350% | | |
| 6 | Composite Inflation | 8.694% | | 4.909% | | |
| 7 | Inflation on 2023 (887) Maintenance of Mains | | $ 43,200 | | $ 11,840 | |
| 8 | 2023 (887) Maintenance of Mains Inflated to 2025 | | | | | $ 793,143 |
| 9 | Known and Measurable Increase (Decrease) in 2025 | | | | | $ 1,025,004 |
| | | | | | | Account 887 |

**Michigan Gas Utilities Corporation**
**Known and Measurable Adjustment, account 891**
**Distribution Maintenance of Measuring and Regulating Gate Station Equipment- City Gate Check Stations**

**Case No.:** U-21540
**Exhibit No.:** A-17
**Schedule:** G17
**Page:** 1 of 1
**Witness:** Anthony Reese

| Line | | | Labor | | Non Labor | |
|---|---|---|---|---|---|---|
| 1 | 2025 FERC (891) Maintenance of Meters & House Regulators | | | | | $ 270,011 |
| 2 | 2023 FERC (891) Maintenance of Meters & House Regulators | | $ 83,756 | | $ 27,617 | |
| 3 | 2024 Inflation | 4.528% | | 2.500% | | |
| 4 | 2025 Inflation | 3.986% | | 2.350% | | |
| 6 | Composite Inflation | 8.694% | | 4.909% | | |
| 7 | Inflation on 2023 (891) Maintenance of Meters & House Regulators | | $ 7,281 | | $ 1,356 | |
| 8 | 2023 (891) Maintenance of Meters & House Regulators Inflated to 2025 | | | | | $ 120,011 |
| 9 | Known and Measurable Increase (Decrease) in 2025 | | | | | $ 150,001 |
| | | | | | | Account 891 |

**Michigan Gas Utilities Corporation**
**Known and Measurable Adjustment, account 892**
**Distribution Maintenance of Services**

**Case No.:** U-21540
**Exhibit No.:** A-17
**Schedule:** G18

**Witness:** Anthony Reese

| Line | | | Labor | | Non Labor | |
|---|---|---|---|---|---|---|
| 1 | 2025 FERC (892) Maintenance of Meters & House Regulators | | | | | $ 1,092,659 |
| 2 | 2023 FERC (892) Maintenance of Meters & House Regulators | | $ 141,174 | | $ 633,131 | |
| 3 | 2024 Inflation | 4.528% | | 2.500% | | |
| 4 | 2025 Inflation | 3.986% | | 2.350% | | |
| 6 | Composite Inflation | 8.694% | | 4.909% | | |
| 7 | Inflation on 2023 (892) Maintenance of Meters & House Regulators | | $ 12,273 | | $ 31,079 | |
| 8 | 2023 (892) Maintenance of Meters & House Regulators Inflated to 2025 | | | | | $ 817,658 |
| 9 | Known and Measurable Increase (Decrease) in 2025 | | | | | $ 275,001 |
| | | | | | | Account 892 |

**Michigan Gas Utilities Corporation**
**Known and Measurable Adjustment, account 902**
**Customer Accounts Expense - Meter Reading**

**Case No.:** U-21540
**Exhibit No.:** A-17
**Schedule:** G19

**Witness:** Anthony Reese

| Line | | | Labor | | Non Labor | |
|---|---|---|---|---|---|---|
| 1 | 2025 FERC (902) Meter Reading Expenses | | | | | $ 884,647 |
| 2 | 2023 FERC (902) Meter Reading Expenses | | $ 254,296 | | $ 138,181 | |
| 3 | 2024 Inflation | 4.528% | | 2.500% | | |
| 4 | 2025 Inflation | 3.986% | | 2.350% | | |
| 6 | Composite Inflation | 8.694% | | 4.909% | | |
| 7 | Inflation on 2023 (902) Meter Reading Expenses | | $ 22,108 | | $ 6,783 | |
| 8 | 2023 (902) Meter Reading Expenses Inflated to 2025 | | | | | $ 421,368 |
| 9 | Known and Measurable Increase (Decrease) in 2025 | | | | | $ 463,279 |
| | | | | | | Account 902 |

**Michigan Gas Utilities Corporation**
**Known and Measurable Adjustment, account 903**
**Customer Accounts Expenses - Customer Records and Collection**

**Case No.:** U-21540
**Exhibit No.:** A-17
**Schedule:** G20

**Witness:** Anthony Reese

| Line | | | Labor | | Non Labor | |
|---|---|---|---|---|---|---|
| 1 | 2025 FERC (903) Customer Records and Collection Expenses | | | | | $ 5,379,615 |
| 2 | 2023 FERC (903) Customer Records and Collection Expenses | | $ 1,476,524 | | $ 3,267,506 | |
| 3 | 2024 Inflation | 4.528% | | 2.500% | | |
| 4 | 2025 Inflation | 3.986% | | 2.350% | | |
| 6 | Composite Inflation | 8.694% | | 4.909% | | |
| 7 | Inflation on 2023 (903) Customer Records and Collection Expenses | | $ 128,364 | | $ 160,394 | |
| 8 | 2023 (903) Customer Records and Collection Expenses Inflated to 2025 | | | | | $ 5,032,788 |
| 9 | Known and Measurable Increase (Decrease) in 2025 | | | | | $ 346,827 |

**Michigan Gas Utilities Corporation**
**Known and Measurable Adjustment, account 904**
**Customer Accounts Expenses - Uncollectible Accounts**

**Case No.:** U-21540
**Exhibit No.:** A-17
**Schedule:** G21
**Page:** 1 of 2
**Witness:** Anthony Reese

| Line | | | Non Labor | |
|---|---|---|---|---|
| 1 | 2025 Uncollectible Accounts | | | $ 1,887,441 |
| 2 | 2023 Uncollectible Accounts | | $ 2,273,289 | |
| 3 | 2024 Inflation | 2.500% | | |
| 4 | 2025 Inflation | 2.350% | | |
| 6 | Composite Inflation | 4.909% | | |
| 7 | Inflation on 2023 Uncollectible Accounts | | $ 111,590 | |
| 8 | 2023 Uncollectible Accounts Inflated to 2025 | | | $ 2,384,879 |
| 9 | Known and Measurable Increase (Decrease) in 2025 | | | $ (497,437) |
| | | | | Account 904 |

**Michigan Gas Utilities Corporation**
**Allowance for Uncollectibles Expense for 2024**

**Case No.:** U-21540
**Exhibit No.:** A-17
**Schedule:** G21

**Witness:** Anthony Reese

| Line | Year | Write-Offs | Collections | Net Uncollectibles | Total Gas Service Revenues | Net Uncollectibles as a Percent of Revenue |
|---|---|---|---|---|---|---|
| | | [P-522, Page 228A] | | | [P-522, Page 300 less EWR] | |
| 1 | 2018 | $2,411,978 | $0 | $2,411,978 | $145,314,914 | 1.6598% |
| 2 | 2019 | $1,715,822 | $0 | $1,715,822 | $137,937,019 | 1.2439% |
| 3 | 2020 | $904,695 | $0 | $904,695 | $124,639,233 | 0.7259% |
| 4 | 2021 | $729,764 | $0 | $729,764 | $136,597,813 | 0.5342% |
| 5 | 2022 | $2,266,703 | $0 | $2,266,703 | $212,347,848 | 1.0674% |
| 6 | | | | | Average | 1.0463% |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | Allowance for Uncollectible Expense for 2024 | | | | | |
| 10 | | | | | | |
| 11 | | 2024 Forecasted Total Revenue without rate increase | | | $180,399,335 | |
| 12 | | 5-Year Average Net Uncollectibles as a Percent of Revenue | | | 1.046% | |
| 13 | | Net Uncollectibles Allowance for 2024 | | | $1,887,441 | |
| 14 | | | | | | |

**Michigan Gas Utilities Corporation**
**Known and Measurable Adjustment, account 920**
**Administrative and General - Administrative and General Salaries**

**Case No.:** U-21540
**Exhibit No.:** A-17
**Schedule:** G22

**Witness:** Anthony Reese

| Line | | | Labor | | Non Labor | |
|---|---|---|---|---|---|---|
| 1 | 2025 FERC (920) Administrative and General Salaries | | | | | $ 3,419,076 |
| 2 | 2023 FERC (920) Administrative and General Salaries | | $ 2,960,112 | | $ 11,566 | |
| 3 | 2024 Inflation | 4.528% | | 2.500% | | |
| 4 | 2025 Inflation | 3.986% | | 2.350% | | |
| 6 | Composite Inflation | 8.694% | | 4.909% | | |
| 7 | Inflation on 2023 (920) Administrative and General Salaries | | $ 257,343 | | $ 568 | |
| 8 | 2023 (920) Administrative and General Salaries Inflated to 2025 | | | | | $ 3,229,589 |
| 9 | Known and Measurable Increase (Decrease) in 2025 | | | | | $ 189,487 |
| | | | | | | Account 920 |

**Michigan Gas Utilities Corporation**
**Known and Measurable Adjustment, account 921**
**Administrative and General - Office Supplies and Expense**

**Case No.:** U-21540
**Exhibit No.:** A-17
**Schedule:** G23
**Page:** 1 of 1
**Witness:** Anthony Reese

| Line | | | Labor | | Non Labor | |
|---|---|---|---|---|---|---|
| 1 | 2025 FERC (921) Office Supplies and Expenses | | | | | $ 1,516,335 |
| 2 | 2023 FERC (921) Office Supplies and Expenses | | $ - | | $ 380,937 | |
| 3 | 2024 Inflation | 4.528% | | 2.500% | | |
| 4 | 2025 Inflation | 3.986% | | 2.350% | | |
| 6 | Composite Inflation | 8.694% | | 4.909% | | |
| 7 | Inflation on 2023 (921) Office Supplies and Expenses | | - | | $ 18,699 | |
| 8 | 2023 (921) Office Supplies and Expenses Inflated to 2025 | | | | | $ 399,637 |
| 9 | Known and Measurable Increase (Decrease) in 2025 | | | | | $ 1,116,698 |

Account 921

**Michigan Gas Utilities Corporation**
**Known and Measurable Adjustment, account 923**
**Administrative and General - Outside Services Employed**

**Case No.:** U-21540
**Exhibit No.:** A-17
**Schedule:** G24

**Witness:** Anthony Reese

| Line | | | Labor | | Non Labor | |
|---|---|---|---|---|---|---|
| 1 | 2025 FERC (923) Outside Services Employed | | | | | $ 1,017,537 |
| 2 | 2023 FERC (923) Outside Services Employed | | $ - | | $ 500,462 | |
| 3 | 2024 Inflation | 4.528% | | 2.500% | | |
| 4 | 2025 Inflation | 3.986% | | 2.350% | | |
| 6 | Composite Inflation | 8.694% | | 4.909% | | |
| 7 | Inflation on 2023 (923) Outside Services Employed | | $ - | | $ 24,566 | |
| 8 | 2023 (923) Outside Services Employed Inflated to 2025 | | | | | $ 525,028 |
| 9 | Known and Measurable Increase (Decrease) in 2025 | | | | | $ 492,509 |
| | | | | | | Account 923 |

**Michigan Gas Utilities Corporation**
**Known and Measurable Adjustment, account 924**
**Administrative and General - Property Insurance**

**Case No.:** U-21540
**Exhibit No.:** A-17
**Schedule:** G25
**Page:** 1 of 1
**Witness:** Anthony Reese

| Line | | | Labor | | Non Labor | |
|---|---|---|---|---|---|---|
| 1 | 2025 FERC (924) Property Insurance | | | | | $ 99,056 |
| 2 | 2023 FERC (924) Property Insurance | | $ - | | $ 88,286 | |
| 3 | 2024 Inflation | 4.528% | | 2.500% | | |
| 4 | 2025 Inflation | 3.986% | | 2.350% | | |
| 5 | Composite Inflation | 8.694% | | 4.909% | | |
| 6 | Inflation on 2023 (924) Property Insurance | | $ - | | $ 4,334 | |
| 7 | 2023 (924) Property Insurance Inflated to 2025 | | | | | $ 92,619 |
| 8 | Known and Measurable Increase (Decrease) in 2025 | | | | | $ 6,436 |
| | | | | | | Account 924 |

**Michigan Gas Utilities Corporation**
**Known and Measurable Adjustment, account 925**
**Administrative and General - Injuries and Damages Expenses**

**Case No.:** U-21540
**Exhibit No.:** A-17
**Schedule:** G26
**Page:** 1 of 1
**Witness:** Anthony Reese

| Line | | | Labor | | Non Labor | |
|---|---|---|---|---|---|---|
| 1 | 2025 Injuries & Damages | | | | | $ 1,210,819 |
| 2 | 2023 Injuries & Damages | | $ 48,850 | | $ 984,665 | |
| 3 | 2024 Inflation | 4.528% | | 2.500% | | |
| 4 | 2025 Inflation | 3.986% | | 2.350% | | |
| 5 | Composite Inflation | 8.694% | | 4.909% | | |
| 6 | Inflation on 2023 Costs | | $ 4,247 | | $ 48,335 | |
| 7 | 2023 Costs Inflated to 2025 | | | | | $ 1,086,096 |
| 9 | Known and Measurable Increase (Decrease) in 2025 | | | | | $ 124,723 |
| | | | | | | Account 925 |

**MICHIGAN GAS UTILITY COMPANY**
**Known and Measurable Adjustment, account 926**
**Administrative and General - Employee Pensions and Benefits Expenses**
Summary of Employee Benefit Costs
Test Year Ended December 31, 2025

**Case No.:** U-21540
**Exhibit No.:** A-17
**Schedule:** G27
**Page:** 1 of 2
**Witness:** Anthony Reese

| Line No. | Description | 2023 Actual $ | 2025 Forecast $ | Increase $ | Increase % | Forecast Method |
|---|---|---|---|---|---|---|
| 1 | Medical Benefits | $ 1,714,217 | $ 2,061,833 | $ 347,616 | 20.3% | MGUC Estimate |
| 2 | Dental Benefits | $ 83,074 | $ 92,416 | $ 9,342 | 11.2% | MGUC Estimate |
| 3 | 401(k) | $ 1,138,672 | $ 1,237,674 | $ 99,002 | 8.7% | MGUC Estimate |
| 4 | Deferred comp | $ (2,033) | $ 9,321 | $ 11,354 | 558.5% | MGUC Estimate |
| 5 | Performance Units | $ 93 | $ 111,900 | $ 111,807 | 120222.6% | MGUC Estimate |
| 6 | **Subtotal - MGUC Estimate** | $ 2,934,023 | $ 3,513,144 | $ 579,121 | 19.7% | |
| 7 | | | | | | |
| 8 | Long Term Disability | $ 63,245 | $ 66,350 | $ 3,105 | 4.9% | Inflationary |
| 9 | Life Insurance | $ 32,155 | $ 33,733 | $ 1,578 | 4.9% | Inflationary |
| 10 | Tuition Reimbursement and Other | $ 15,668 | $ 16,437 | $ 769 | 4.9% | Inflationary |
| 11 | Executive Benefits | $ 47,262 | $ 49,582 | $ 2,320 | 4.9% | Inflationary |
| 12 | Benefit Administration | $ 38,887 | $ 40,796 | $ 1,909 | 4.9% | Inflationary |
| 13 | Benefits Billed to/from Affiliates | $ 109,300 | $ 114,665 | $ 5,365 | 4.9% | Inflationary |
| 14 | Capitalized Benefits | $ (1,310,333) | $ (1,374,654) | $ (64,321) | 4.9% | Inflationary |
| 15 | **Subtotal - Inflationary Items** | $ (1,003,816) | $ (1,053,091) | $ (49,275) | 4.9% | |
| 16 | | | | | | |
| 17 | Qualified Pension | $ 92,305 | $ 1,159,822 | $ 1,067,517 | -1156.5% | Actuarial Analysis |
| 18 | NonQualified Pension | $ 24,482 | $ 22,396 | $ (2,086) | -8.5% | Actuarial Analysis |
| 19 | OPEB | $ 99,092 | $ 165,449 | $ 66,357 | -67.0% | Actuarial Analysis |
| 20 | Postemployment | $ (104,542) | $ - | $ 104,542 | -100.0% | Actuarial Analysis |
| 21 | **Subtotal - Actuarial Analysis** | $ 111,337 | $ 1,347,667 | $ 1,236,330 | -1110.4% | |
| 22 | | | | | | |
| 23 | **Benefits Billed from WBS** | $ 607,702 | $ 1,434,891 | $ 827,189 | 136.1% | See Page 2 |
| 24 | | | | | | |
| 25 | **TOTAL EMPLOYEE BENEFIT COSTS** | $ 2,649,246 | $ 5,242,611 | $ 2,593,365 | 97.9% | |
| 26 | | | | | | |
| 27 | Composite non-labor inflation rate | 4.909% | | | | |
| 28 | | | | | | |
| 29 | 2023 Costs inflated to 2025 | $ 2,779,291 | | | | |
| 30 | | | | | | |
| 31 | Known and Measurable Increase (Decrease) in 2025 | | $ 2,463,321 | | | |

**MICHIGAN GAS UTILITY COMPANY**
**Known and Measurable Adjustment, account 926**
Summary of Employee Benefit Costs

Test Year Ended December 31, 2025

**Case No.:** U-21540
**Exhibit No.:** A-17
**Schedule:** G27
**Page:** 2 of 2
**Witness:** Anthony Reese

| Line No. | Description | 2023 Actual $ | 2025 Forecast $ | Increase $ | Increase % | Forecast Method |
|---|---|---|---|---|---|---|
| 1 | Medical Benefits | $ 15,309,929 | $ 18,689,166 | $ 3,379,237 | 22.1% | MGUC Estimate |
| 2 | Dental Benefits | $ 741,922 | $ 837,667 | $ 95,745 | 12.9% | MGUC Estimate |
| 3 | 401(k) | $ 13,150,774 | $ 14,294,166 | $ 1,143,392 | 8.7% | MGUC Estimate |
| 4 | Deferred comp | $ 8,761,339 | $ 7,472,476 | $ (1,288,863) | 14.7% | MGUC Estimate |
| 5 | Performance Units | $ (1,730,775) | $ 17,514,300 | $ 19,245,075 | 1111.9% | MGUC Estimate |
| 6 | **Subtotal - MGUC Estimate** | $ 36,233,189 | $ 58,807,775 | $ 22,574,586 | 62.3% | |
| 7 | | | | | | |
| 8 | Long Term Disability | $ 530,748 | $ 556,801 | $ 26,053 | 4.9% | Inflationary |
| 9 | Life Insurance | $ 372,883 | $ 391,187 | $ 18,304 | 4.9% | Inflationary |
| 10 | Tuition Reimbursement and Other | $ 168,779 | $ 177,064 | $ 8,285 | 4.9% | Inflationary |
| 11 | Executive Benefits | $ 9,146,936 | $ 9,595,936 | $ 449,000 | 4.9% | Inflationary |
| 12 | Benefit Administration | $ 346,884 | $ 363,912 | $ 17,028 | 4.9% | Inflationary |
| 13 | Benefits Billed to/from Affiliates | $ - | $ - | $ - | 0.0% | Inflationary |
| 14 | **Subtotal - Inflationary Items** | $ 10,566,230 | $ 11,084,900 | $ 518,670 | 4.9% | |
| 15 | | | | | | |
| 16 | Qualified Pension | $ (5,326,946) | $ (3,322,462) | $ 2,004,484 | 37.6% | Actuarial Analysis |
| 17 | NonQualified Pension | $ (10,133,136) | $ 3,545,879 | $ 13,679,015 | -135.0% | Actuarial Analysis |
| 18 | OPEB | $ (1,654,113) | $ (472,187) | $ 1,181,926 | 71.5% | Actuarial Analysis |
| 19 | Postemployment | $ (180,596) | $ 21,164 | $ 201,760 | 111.7% | Actuarial Analysis |
| 20 | **Subtotal - Actuarial Analysis** | $ (17,294,791) | $ (227,606) | $ 17,067,185 | -98.7% | |
| 21 | | | | | | |
| 22 | **TOTAL EMPLOYEE BENEFIT COSTS** | $ 29,504,628 | $ 69,665,069 | $ 40,160,441 | 136.1% | |
| 23 | | | | | | |
| 24 | Allocation Percentage from WBS to MGU | 2.1% | 2.1% | | | |
| 25 | | | | | | |
| 26 | Allocation Dollars from WBS to MGUC | $ 607,702 | $ 1,434,891 | $ 827,189 | 136.1% | |

**Michigan Gas Utilities Corporation**
**Known and Measurable Adjustment, account 928**
**Administrative and General - Regulatory Commission Expense**

**Case No.:** U-21540
**Exhibit No.:** A-17
**Schedule:** G28
**Page:** 1 of 1
**Witness:** Anthony Reese

| Line | | | Labor | | Non Labor | |
|---|---|---|---|---|---|---|
| 1 | 2025 FERC (928) Regulatory Commission Expense | | | | | $ 753,891 |
| 2 | 2023 FERC (928) Regulatory Commission Expense | | $ 187,920 | | $ 475,134 | |
| 3 | 2024 Inflation | 4.528% | | 2.500% | | |
| 4 | 2025 Inflation | 3.986% | | 2.350% | | |
| 6 | Composite Inflation | 8.694% | | 4.909% | | |
| 7 | Inflation on 2023 (928) Regulatory Commission Expense | | $ 16,337 | | $ 23,323 | |
| 8 | 2023 (928) Outside Services Employed Inflated to 2025 | | | | | $ 702,715 |
| 9 | Known and Measurable Increase (Decrease) in 2025 | | | | | $ 51,176 |
| | | | | | | Account 928 |

**Michigan Gas Utilities Corporation**
**Known and Measurable Adjustment, account 930.2**
**Administrative and General - Miscellaneous General Expenses**

**Case No.:** U-21540
**Exhibit No.:** A-17
**Schedule:** G29
**Page:** 1 of 2
**Witness:** Anthony Reese

| Line | | | Labor | Non Labor* | Service Company (WBS) Return on/of | |
|---|---|---|---|---|---|---|
| 1 | 2025 FERC (930.2) Miscellaneous General Expenses | | | | | $ 672,634 |
| 2 | 2023 FERC (930.2) Miscellaneous General Expenses | | $ 29,406 | $ 199,541 | $ 346,965 | |
| 3 | 2024 Inflation | 4.528% | 2.500% | 2.500% | | |
| 4 | 2025 Inflation | 3.986% | 2.350% | 2.350% | | |
| 6 | Composite Inflation | 8.694% | 4.909% | 4.909% | | |
| 7 | Inflation on 2023 (930.2) Miscellaneous General Expenses | | $ 2,556 | $ 9,795 | $ 17,032 | |
| 8 | 2023 (930.2) Miscellaneous General Expenses Inflated to 2025 | | | | | $ 605,295 |
| 9 | Known and Measurable Increase (Decrease) in 2025 | | | | | $ 67,339 |
| 10 | *Service Company Return on/off is in Non Labor but separated here for clarity | | | | | Account 930.2 |

**Michigan Gas Utilities Corporation**
**Known and Measurable Adjustment, account 930.2**
**Service Company Return On/Of**

**Case No.:** U-21540
**Exhibit No.:** A-17
**Schedule:** G29

**Witness:** Anthony Reese

| Line | | Jan-25 | Feb-25 | Mar-25 | Apr-25 | May-25 | Jun-25 | Jul-25 | Aug-25 | Sep-25 | Oct-25 | Nov-25 | Dec-25 | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Service Company Assets earning a Return | -1,250,247 | -1,240,048 | -1,242,582 | -1,298,885 | -1,365,931 | -1,428,620 | -1,515,704 | -1,558,562 | -1,624,806 | -1,675,007 | -1,755,931 | -1,844,739 | |
| 2 | MGU PreTax Weighted Cost of Capital | 7.63% | 7.63% | 7.63% | 7.63% | 7.63% | 7.63% | 7.63% | 7.63% | 7.63% | 7.63% | 7.63% | 7.63% | |
| 3 | Return on Assets | -95,394 | -94,616 | -94,809 | -99,105 | -104,221 | -109,004 | -115,648 | -118,918 | -123,973 | -127,803 | -133,977 | -140,754 | |
| 4 | | | | | | | | | | | | | | |
| 5 | Revenue Req on Service Company AFUDC | -4,049 | -3,717 | -3,488 | -3,347 | -3,167 | -2,976 | -2,733 | -2,611 | -2,464 | -2,377 | -2,342 | -2,312 | |
| 6 | Revenue Req AFUDC Debt - 12 Mos Total | -1,116 | -1,025 | -962 | -923 | -873 | -821 | -754 | -720 | -680 | -655 | -646 | -638 | |
| 7 | | | | | | | | | | | | | | |
| 8 | Total ROA | -100,559 | -99,358 | -99,258 | -103,375 | -108,260 | -112,800 | -119,134 | -122,249 | -127,117 | -130,835 | -136,965 | -143,703 | |
| 9 | | | | | | | | | | | | | | |
| 10 | Monthly Average | -8,380 | -8,280 | -8,272 | -8,615 | -9,022 | -9,400 | -9,928 | -10,187 | -10,593 | -10,903 | -11,414 | -11,975 | |
| 11 | | | | | | | | | | | | | | |
| 12 | Service Company Depreciation | 47,130 | 46,763 | 46,767 | 46,968 | 47,355 | 47,520 | 48,252 | 48,426 | 48,358 | 48,523 | 49,328 | 49,556 | |
| 13 | | | | | | | | | | | | | | |
| 14 | Total Service Company Return On/Of* | 35,154 | 34,787 | 34,792 | 34,993 | 35,380 | 35,545 | 36,277 | 36,451 | 36,382 | 36,548 | 37,353 | 37,581 | **431,242** |
| 15 | | | | | | | | | | | | | | |
| 16 | *Uses Year End Average for Asset Portion | | | | | | | | | | | | | |

**Michigan Gas Utilities Corporation**
**Estimate of Inflation for 2024 and 2025**



| Line | Source | Date | 2024 | 2025 |
|---|---|---|---|---|
| 1 | Philly Fed | August, 2023 | 2.50% | 2.40% |
| 2 | Blue Chip | August, 2023 | 2.50% | 2.30% |
| **3** | **MGUC Estimate (Simple Average)** | | **2.50%** | **2.35%** |
| **4** | **Cumulative Impact from 2023 to 2025** | | | **4.91%** |

Exhibit No. A-19 is FULLY CONFIDENTIAL –

a PUBLIC REDACTED version will not be provided

Exhibit No. A-20 is FULLY CONFIDENTIAL –

a PUBLIC REDACTED version will not be provided

Exhibit No. A-21 is FULLY CONFIDENTIAL –

a PUBLIC REDACTED version will not be provided

# 2024 Annual Incentive Plan Overview

REDACTED

WEC Energy Group

## WEC Business Services (WBS)

| Weighting by measurement | | | Funding | Goals | Example |
|---|---|---|---|---|---|
| **Cost control** [redacted] | [redacted] controllable O&M across WEC Energy Group | | **Thresh**[redacted]<br>**Interm**[redacted]<br>**Target**[redacted]<br>**Maxim**[redacted] | [redacted] | **Fun**[redacted]**t threshold:**<br>**Fun**[redacted]**t intermediat**[redacted]<br>**Fun**[redacted]**t target:**<br>**Fun**[redacted]**t maximum:** [redacted] |
| **Customer satisfaction** [redacted] | [redacted] total company aggregated transaction satisfaction | Weighted based on average customer population: [redacted] | **Thresh**[redacted]<br>**Target**[redacted]<br>**Maxim**[redacted] | [redacted] | **Fun**[redacted]**t threshold:**<br>**Fun**[redacted]**t target:**<br>**Fun**[redacted]**t maximum:** [redacted] |
| | [redacted] total company aggregated satisfaction | | **Thresh**[redacted]<br>**Target**[redacted]<br>**Maxim**[redacted] | [redacted] | **Fun**[redacted]**t threshold:**<br>**Fun**[redacted]**t target:**<br>**Fun**[redacted]**t maximum:** [redacted] |
| **Safety** [redacted] | [redacted]WBS DART incidents | | **Thresh**[redacted]<br>**Target**[redacted]<br>**Maxim**[redacted] | [redacted] | **Fun**[redacted]**t threshold:**<br>**Fun**[redacted]**t maximum:** [redacted] |
| | [redacted]WBS lost-time injuries | | **Thresh**[redacted]<br>**Target**[redacted]<br>**Maxim**[redacted] | [redacted] | **Fun**[redacted]**t threshold:**<br>**Fun**[redacted]**t target:**<br>**Fun**[redacted]**t maximum:** [redacted] |
| **Diversity** [redacted] | [redacted] total company supplier diversity | | Total combined company goals<br>**Thres**[redacted]<br>**Targe**[redacted]<br>**Maxi**[redacted] | [redacted] | **Fun**[redacted]**t threshold:**<br>**Fun**[redacted]**t target:**<br>**Fun**[redacted]**t maximum:** [redacted] |
| | [redacted] total company workforce diversity | | WEC Energy Group workforce diversity goals, as determined by chief executive officer. | | **Funds**[redacted]**t threshold:**<br>**Funds**[redacted]**t target:**<br>**Funds**[redacted]**t maximum:** [redacted] |

### WBS Incentive Plan calculation example

[redacted]

Actual individual target incentive awards may vary, depending on position. Performance below threshold levels will yield no funding.

**O&M:** Operations and maintenance **DART:** Days away, restricted or transferred

# 2024 Annual Incentive Plan Overview

REDACTED

MICHIGAN GAS UTILITIES®

## Michigan Gas Utilities (MGU)

| Weighting by measurement | | Funding | Goals | Example |
|---|---|---|---|---|
| **Cost control** [redacted] | [redacted] MGU net income | **Thres**[redacted]<br>**Interm**[redacted]<br>**Target**[redacted]<br>**Maxin**[redacted] | [redacted] | **Fun**[redacted]**hreshold:**<br>**Fun**[redacted]**ntermediate**<br>**Fun**[redacted]**target:**<br>**Fun**[redacted]**maximum:** [redacted] |
| **Customer satisfaction** [redacted] | [redacted] MGU transaction satisfaction | **Thres**[redacted]<br>**Target**[redacted]<br>**Maxin**[redacted] | [redacted] | **Fun**[redacted]**hreshold:**<br>**Fun**[redacted]**target:**<br>**Fun**[redacted]**maximum:** [redacted] |
| | [redacted] MGU (company) satisfaction | **Thres**[redacted]<br>**Target**[redacted]<br>**Maxin**[redacted] | [redacted] | **Fun**[redacted]**hreshold:**<br>**Fun**[redacted]**target:**<br>**Fun**[redacted]**maximum:** [redacted] |
| **Safety** [redacted] | [redacted] MGU DART incidents | **Thres**[redacted]<br>**Target**[redacted]<br>**Maxin**[redacted] | [redacted] | **Fun**[redacted]**hreshold:**<br>**Fun**[redacted]**maximum:** [redacted] |
| | [redacted] MGU lost-time injuries | **Thres**[redacted]<br>**Target**[redacted]<br>**Maxin**[redacted] | [redacted] | **Fun**[redacted]**hreshold:**<br>**Fun**[redacted]**target:**<br>**Fun**[redacted]**maximum:** [redacted] |
| **Diversity** [redacted] | [redacted] Michigan supplier diversity | **Thres**[redacted]<br>**Target**[redacted]<br>**Maxin**[redacted] | [redacted] | **Funds**[redacted]**t threshold:**<br>**Funds**[redacted]**at target:**<br>**Funds**[redacted]**at maximum:** [redacted] |
| | [redacted] total company workforce diversity | WEC Energy Group workforce diversity goals, as determined by chief executive officer. | | **Funds**[redacted]**t threshold:**<br>**Funds**[redacted]**at target:**<br>**Funds**[redacted]**at maximum:** [redacted] |

### MGU Incentive Plan calculation example

[redacted]

Actual individual target incentive awards may vary, depending on position. Performance below threshold levels will yield no funding.

**O&M:** Operations and maintenance **DART:** Days away, restricted or transferred

Michigan Gas Utilities Company
MRP Revenue Requirement

Case No.: U-21540
Exhibit No.: A-23

Witness: Shannon L. Burzycki

| Line No | Description | Source | 2026 | 2027 |
|---|---|---|---|---|
| | | | (a) | (b) |
| | **Capital Investment** | | | |
| 1 | Annual MRP Investment | Witness Lee Testimony | 11,431,000 | 625,000 |
| | **Net Rate Base** | | | |
| 2 | Cumulative Capital Investment | Prior Year Plus Line 1 | 11,431,000 | 12,056,000 |
| 3 | Accumulated Depreciation | Prior Year - Line 8 | (169,179) | (516,786) |
| 4 | Accumulated Deferred Taxes | Page 2; Line 5 | (259,484) | (501,034) |
| 5 | Ending Net Rate Base | Sum Line 2 - Line 4 | 11,002,338 | 11,038,180 |
| 6 | Average Net Rate Base | Line 5 (PY + CY)/2 | 5,501,169 | 11,020,259 |
| | **Total Cost** | | | |
| 7 | Return on Rate Base | 9.10% | 500,606 | 1,002,844 |
| 8 | Depreciation (1/2 year convention) | 2.96% | 169,179 | 347,608 |
| 9 | Property Taxes | Page 2 | - | 265,771 |
| 10 | Total Revenue Requirement | Line 7 Thru Line 10 | 669,785 | 1,616,222 |

Michigan Gas Utilities Company
MRP Revenue Requirement

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| Line No | Description | Source | 2026 | 2027 |
|---|---|---|---|---|
| | | | (a) | (b) |
| | **Deferred Tax Expense** | | | |
| 1 | Tax Depreciation | Line 7 | 428,663 | 848,641 |
| 2 | Book Depreciation | Page 1 Line 8 | 169,179 | 347,608 |
| 3 | Time Difference | Line 2 - Line 1 | 259,484 | 501,034 |
| 4 | Deferred Tax Expense | 25.7% | 66,791 | 128,966 |
| 5 | Accumulated Deferred Tax Expense | Prior Year Plus Line 4 | 66,791 | 195,757 |
| | | | | |
| | **Tax Depreciation** | | Year 1 | Year 2 |
| 6 | MACRS Tax Depreciation Rate (20 Years) | | 3.750% | 7.219% |
| 7 | Year 1 Additions | Cost & MACRS Rate | 428,663 | 825,204 |
| 8 | Year 2 Additions | Cost & MACRS Rate | | 23,438 |
| 9 | Year 3 Additions | Cost & MACRS Rate | | |
| 10 | Year 4 Additions | Cost & MACRS Rate | | |
| 11 | Year 5 Additions | Cost & MACRS Rate | | |
| 12 | Total Tax Depreciation | Sum of Lines 7 thru 11 | 428,663 | 848,641 |
| | | | | |
| | **Property Tax** | | | |
| 13 | Factor | | 0.93 | 0.87 |
| 14 | Year 1 Investment Taxable Value | Cost X Factor X 50% | 5,315,415 | 4,972,485 |
| 15 | Year 2 Investment Taxable Value | Cost X Factor X 50% | | 290,625 |
| 16 | Year 3 Investment Taxable Value | Cost X Factor X 50% | | |
| 17 | Year 4 Investment Taxable Value | Cost X Factor X 50% | | |
| 18 | Year 5 Investment Taxable Value | Cost X Factor X 50% | | |
| | | | | |
| 19 | Total Taxable Value | Sum of Lines 13 thru 17 | 5,315,415 | 5,263,110 |
| 20 | Millage | $ 50 | $ 50 | $ 50 |
| 21 | Property Tax Assessed | (Line 19 X Line 20) / 1000 | 265,771 | 263,156 |
| 22 | Property Tax Expense | | | 265,771 |

Michigan Gas Utilities Corporation
Proposed MRP Customer Surcharges 2026
Test Year Ending December 31, 2025

Case No.: U-21540
Exhibit No.: A-24

Witness: Shannon L. Burzycki

| | (A) | (B) | (C) | (D) | (E) | (F) | (G) | (H) | (L) | (I) | (K) | (J) | (M) | (N) | (O) | (P) | (Q) | (R) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Residential | | | Small | | | Medium | | | | Large | | | | Super Large | Other |
| Line No. | Line Description | Total MGU Natural Gas | General Service-Residential | Customer Choice-Residential | Agg Transport-Residential | General Service-Small | Customer Choice-GS-Small | Agg Transport-GS-Small | General Service-Medium | Transport-TR-1 | Customer Choice-GS-Medium | Agg Transport-GS-Medium | General Service-Large | Transport-TR-2 | Customer Choice-GS-Large | Agg Transport-GS-Large | Transport-TR-3 | Special Contract |
| 1 | 2025 dist. main plant in service (Workpaper REO-2, Sched 13, Line 33) | 276,715,089 | 176,430,251 | 19,123,778 | 16,742 | 35,951,242 | 5,752,934 | 2,071,766 | 155,353 | 6,923,920 | 10,252 | 361,415 | 1,346,207 | 18,335,979 | 159,990 | 259,044 | 9,808,527 | 7,690 |
| 2 | 2025 dist. main class allocation | 1.000000 | 0.637588 | 0.069110 | 0.000061 | 0.129922 | 0.020790 | 0.007487 | 0.000561 | 0.025022 | 0.000037 | 0.001306 | 0.004865 | 0.066263 | 0.000578 | 0.000936 | 0.035446 | 0.000028 |
| 3 | MRP Revenue Requirement (Exhibit A-23) | $669,785 | $427,047 | $46,289 | $41 | $87,019 | $13,925 | $5,015 | $376 | $16,759 | $25 | $875 | $3,258 | $44,382 | $387 | $627 | $23,741 | $19 |
| 4 | 2025 daily average customers (Exhibit A-16, Schedule F1.3) | 186,733 | 154,964 | 16,799 | 7 | 12,485 | 2,008 | 223 | 98 | 16 | 1 | 17 | 62 | 40 | 3 | 6 | 4 | 1 |
| 5 | Throughput (MCF) (Exhibit A-16, Schedule F1.3) | 34,294,114 | 12,443,860 | 1,346,322 | 2,666 | 5,947,106 | 951,896 | 420,113 | 2,129,704 | 82,398 | 1,849 | 30,643 | 341,390 | 6,715,089 | 21,316 | 48,401 | 3,811,100 | 260 |
| 6 | Average use per customer | | 80.3 | 80.1 | 380.9 | 476.4 | 474.1 | 1,883.9 | 21,731.7 | 5,149.9 | 1,848.8 | 1,792.7 | 5,513.6 | 167,877.2 | 7,105.4 | 8,534.6 | 952,775.0 | 260.2 |
| 7 | Annual cost per customer | | $2.76 | $2.76 | $5.79 | $6.97 | $6.93 | $22.49 | $3.84 | $1,047.45 | $24.82 | $51.18 | $52.63 | $1,109.55 | $129.08 | $110.56 | $5,935.35 | $18.61 |
| 8 | Monthly cost per customer | | $0.23 | $0.23 | $0.49 | $0.59 | $0.58 | $1.88 | $0.32 | $87.29 | $2.07 | $4.27 | $4.39 | $92.47 | $10.76 | $9.22 | $494.62 | $1.56 |

| | (A) | (B) | (C) | (D) | (E) | (F) | (G) | (H) | (L) | (I) | (K) | (J) | (M) | (N) | (O) | (P) | (Q) | (R) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Residential | | | Small | | | Medium | | | | Large | | | | Super Large | Other |
| Line No. | Line Description | Total MGU Natural Gas | General Service-Residential | Customer Choice-Residential | Agg Transport-Residential | General Service-Small | Customer Choice-GS-Small | Agg Transport-GS-Small | General Service-Medium | Transport-TR-1 | Customer Choice-GS-Medium | Agg Transport-GS-Medium | General Service-Large | Transport-TR-2 | Customer Choice-GS-Large | Agg Transport-GS-Large | Transport-TR-3 | Special Contract |
| 1 | 2025 dist. main plant in service (Workpaper REO-3, Sched 13, Line 33) | 276,715,089 | 176,430,251 | 19,123,778 | 16,742 | 35,951,242 | 5,752,934 | 2,071,766 | 155,353 | 6,923,920 | 10,252 | 361,415 | 1,346,207 | 18,335,979 | 159,990 | 259,044 | 9,808,527 | 7,690 |
| 2 | 2025 dist. main class allocation | 1.000000 | 0.637588 | 0.069110 | 0.000061 | 0.129922 | 0.020790 | 0.007487 | 0.000561 | 0.025022 | 0.000037 | 0.001306 | 0.004865 | 0.066263 | 0.000578 | 0.000936 | 0.035446 | 0.000028 |
| 3 | MRP Revenue Requirement (Exhibit A-23) | $1,616,222 | $1,030,484 | $111,697 | $98 | $209,982 | $33,601 | $12,101 | $907 | $40,441 | $60 | $2,111 | $7,863 | $107,096 | $934 | $1,513 | $57,289 | $45 |
| 4 | 2025 daily average customers (Exhibit A-16, Schedule F1.3) | 186,733 | 154,964 | 16,799 | 7 | 12,485 | 2,008 | 223 | 98 | 16 | 1 | 17 | 62 | 40 | 3 | 6 | 4 | 1 |
| 5 | Throughput (MCF) (Exhibit A-16, Schedule F1.3) | 34,294,114 | 12,443,860 | 1,346,322 | 2,666 | 5,947,106 | 951,896 | 420,113 | 2,129,704 | 82,398 | 1,849 | 30,643 | 341,390 | 6,715,089 | 21,316 | 48,401 | 3,811,100 | 260 |
| 6 | Average use per customer | | 80.3 | 80.1 | 380.9 | 476.4 | 474.1 | 1,883.9 | 21,731.7 | 5,149.9 | 1,848.8 | 1,792.7 | 5,513.6 | 167,877.2 | 7,105.4 | 8,534.6 | 952,775.0 | 260.2 |
| 7 | Annual cost per customer | | $6.65 | $6.65 | $13.97 | $16.82 | $16.73 | $54.26 | $9.26 | $2,527.55 | $59.88 | $123.50 | $126.99 | $2,677.39 | $311.49 | $266.79 | $14,322.28 | $44.91 |
| 8 | Monthly cost per customer | | $0.56 | $0.56 | $1.17 | $1.41 | $1.40 | $4.53 | $0.78 | $210.63 | $4.99 | $10.30 | $10.59 | $223.12 | $25.96 | $22.24 | $1,193.53 | $3.75 |

Michigan Gas Utilities Corporation
Necessity of Continuation of Waiver for Meter Testing Requirements Rule 51
Evaluation

Case No.: U-21540
Exhibit No.: A-25
Witness: Shannon L. Burzycki

| | ACTUAL METERS REMOVED | | | | | | | ADDITIONAL METERS TO BE REMOVED | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **District** | **2019** | **2020** | **2021** | **2022** | **2023** | **Total** | **Average Per Year** | **2024** | **2025** | **2026** | **2027** | **2028** | **Total** | **Estimated Complete by December 31, 2028?** |
| Monroe | 1,712 | 1,557 | 1,956 | 1,040 | 1,366 | 7,631 | **1,526** | 3,700 | 3,700 | 3,700 | 3,700 | 3,700 | 18,500 | NO |
| Coldwater | 779 | 1,583 | 1,730 | 1,728 | 1,066 | 6,886 | **1,377** | 1,483 | 1,483 | 1,483 | 1,483 | 1,483 | 7,415 | YES |
| Benton Harbor | 2,265 | 1,142 | 1,690 | 1,368 | 1,094 | 7,559 | **1,512** | 3,316 | 3,316 | 3,316 | 3,316 | 3,316 | 16,580 | NO |
| Grand Haven | 1,005 | 710 | 826 | 648 | 438 | 3,627 | **725** | 1,875 | 1,875 | 1,875 | 1,875 | 1,875 | 9,375 | NO |
| Allegan | 1,089 | 881 | 732 | 772 | 419 | 3,893 | **779** | 822 | 822 | 822 | 822 | 822 | 4,110 | YES |
| TOTAL | 6,850 | 5,873 | 6,934 | 5,556 | 4,383 | 29,596 | **5,919** | 11,196 | 11,196 | 11,196 | 11,196 | 11,196 | 55,980 | |

**Michigan Public Service Commission**
**Michigan Gas Utilities**
**Forecasted Operations and Maintenance Costs and Capital Expenditures Summary from Proposed LDAR Rules**
**for the year ending December 2025**
**($000)**

**Case No.:** U-21540
**Exhibit No.:** A-26

**Witness:** Nathan Lee

| Rule Section | Proposed Rule (As Amended) | Impact | Forecasted Cost Development Strategy | Capital / O&M | Annual Cost Forecast | Labor / Non-Labor | Compliance Requirement Date | Department | FERC Account(s) |
|---|---|---|---|---|---|---|---|---|---|
| 191.19 Large volume gas release report | Each operator of a gas pipeline facility must report a large-volume gas release on DOT Form PHMSA-F7100.5. Each report must be submitted within 30 days after detection of a large-volume gas release. A large-volume gas release report is not required if an incident report has already been submitted under part 191 for the same event and the release volume identified in the incident report is within 10 percent of the total release volume on cessation of the release. | New section, requires reporting of releases > 1 MMCF within 30 days after detection, unless the event is reported under the Incident definition. | Assume one occurence per year | O&M | $ 5.0 | Labor | 2025: Ongoing | Engineering | 856 - Mains Expenses (transmission)<br>874 - Mains and Services Expenses (distribution) |
| 191.23 Safety related conditions | (a)(9) Any safety-related condition that could lead to an imminent hazard to public safety and causes (either directly or indirectly by remedial action of the operator), for purposes other than abandonment, a 20% or more reduction in operating pressure or shutdown of operation of a pipeline, UNGSF, or an LNG facility that contains or processes gas or LNG. | Adds "to public safety". | Assume one occurence per year | O&M | $ 5.0 | Labor | 2025: Ongoing | Engineering | 874 - Mains and services expenses |
| 192.12 Underground natural gas storage facilities. | (c) Procedural manuals. Each operator of an UNGSF must prepare and follow for each facility one or more manuals of written procedures for conducting operations, maintenance, and emergency preparedness and response activities under paragraphs (a) and (b) of this section. Such manuals must include procedures for eliminating leaks and minimizing releases of gas. Each operator must keep records necessary to administer such procedures and review and update these manuals at intervals not exceeding 15 months, but at least once each calendar year. Each operator must keep the appropriate parts of these manuals accessible at locations where UNGSF work is being performed. Each operator must have written procedures in place before commencing operations or beginning an activity not yet implemented. | Added a requirement for procedures to eliminate leaks and minimize releases of gas for storage fields. | Assumes a partial FTE to adminster requirements | O&M | $ 25.0 | Labor | 2025: Ongoing | Engineering | 840 - Operation supervision and engineering (storage) |
| 192.18 How to notify PHMSA | (c) Unless otherwise specified, if an operator submits, pursuant to § 192.8, 192.9, 192.13, 192.179, 192.319, 192.461, 192.506(b), 192.607(e)(4), 192.607(e)(5), 192.619, 192.624(c)(2)(iii), 192.624(c)(6),192.632(b)(3), 192.634, 192.636, 192.703(d)(4), 192.706(a)(2), 192.710(c)(7), 192.712(d)(3)(iv), 192.712(e)(2)(i)(E), 192.714, 192.745, 192.760(h), 192.763(c), 192.917, 192.921(a)(7), 192.927, 192.933, or 192.937(c)(7) a notification for use of a different integrity assessment method, analytical method, compliance period, sampling approach, pipeline material, or technique (e.g., "other technology" or "alternative equivalent technology") than otherwise prescribed in those sections, that notification must be submitted to PHMSA for review at least 90 days in advance of using the other method, approach, compliance timeline, or technique. An operator may proceed to use the other method, approach, compliance timeline, or technique 91 days after submitting the notification unless it receives a letter from the Associate Administrator for Pipeline Safety informing the operator that PHMSA objects to the proposal or that PHMSA requires additional time and/or more information to conduct its review. | PHMSA adding more specific references to notification requirements. 192 part 13, 319, 461, 703, 706, 714, 760, 763, 917, 927, and 933 references are new. 319 and 461 is for the testing of pipeline coating integrity added in RIN-2; 714 covers immediate repair criteria for on-shore transmission lines, 927 covers internal corrosion and I think it's a notification about alternative internal corrosion assessment although I can't find the exact language; 933 covers a notificaiton to PHMSA for a long term pressure reduction responding to a detected anomaly; and 703, 706, 760, and 763 are for requirements added in this rule. | Assume one occurence per year | O&M | $ 5.0 | Labor | 2025: Ongoing | Engineering | 885 - maintenance supervision and engineering |
| 192.167 Compressor stations: emergency shutdown | (a)(2) It must discharge gas from the blowdown piping at a location where the gas will not create a hazard to public safety; | Added "to public safety" | Assume one-time externally-contracted evaluation to validate compliance in 2025 | O&M | $ 50.0 | Non-Labor | 2025: One Time | Engineering | 843.7 - Maintenance of compressor equipment |
| 192.179 Transmission line valves | (c) Each section of a transmission line, other than offshore segments, between main line valves must have a blowdown valve with enough capacity to allow the transmission line to be blown down as rapidly as practicable. Each blowdown discharge must be located so the gas can be blown to the atmosphere without hazard to public safety and, if the transmission line is adjacent to an overhead electric line, so that the gas is directed away from the electrical conductors. | Added "to public safety" | Ongoing evaluations to validate compliance for public safety with adders for discharge facilities | O&M | $ 25.0 | Labor | 2025: Ongoing | Engineering | 865 Maintenance of measuring and regulating station equipmen |
| 192.199 Requirements for design and configuration of pressure relief and limiting<br>devices | (i) All new, replaced, relocated, or otherwise changed pressure relief and limiting devices must be designed and configured, as demonstrated by a documented engineering analysis, to minimize unnecessary releases of gas by ensuring each of the following:<br><br>(1) The set and reset actuation pressure of the pressure relief device and where pressures are taken must minimize release volumes beyond what is necessary to provide adequate overpressure protection;<br><br>(2) The design (including sizing and material) and configuration of the pressure relief device and its associated piping must be appropriate for its set and reset actuation pressure to minimize pressure choking, compatible with the composition of transported gas, and suitable for reliable operation in expected operating and environmental conditions; and<br><br>(3) Installation of the pressure relief device must include upstream and downstream isolation valves to facilitate testing and maintenance. | New requirement. Design standards for new, replaced, relocated, or otherwise changed relief and limiting devices to minimize unnecessary emissions. | Assume annual evaluations to validate compliance | O&M | $ 25.0 | Labor | 2025: Ongoing | Engineering | 875 Measuring and regulating station expenses—General |
| 192.617 Investigation of failures | (e) Failure defined. For the purposes of this section, the term failure means when any portion of a pipeline becomes inoperable, is incapable of safely performing its intended function, or has become unreliable or unsafe for continued use. | New requirement. Defines the term "failure" for "investigation of failures" | Assumes one FTE to administer additional failure analysis | O&M | $ 100.0 | Labor | 2025: Ongoing | Compliance | 870 - Operation supervision and engineering |
| 192.705 Transmission lines: Patrolling | (b) Operators must conduct patrols at least 12 times each calendar year at intervals not exceeding 45 days. | Instead of intervals ranging from quarterly to annual, all transmission lines must now be patrolled monthly. | Assumes total increase are four times current costs | O&M | $ 80.0 | Non-Labor | 2025: Ongoing | Field Operations | 856 - Mains expenses |
| 192.723 Distribution systems: Leakage surveys | (a) General. Each operator of a gas distribution pipeline must conduct periodic leakage surveys with leak detection equipment in accordance with this section. All leakage surveys performed pursuant to this section must use leak detection equipment that meets the requirements of § 192.763. | | Assumes total increase are two times current costs | O&M | $ 600.0 | Non-Labor | 2025: Ongoing | Field Operations | 856 - Mains Expenses<br>874 - Mains and Services Expenses<br>878 - Meter and house regulator expenses |
| 192.760 Leak grading and repair | (a) General. Each operator must have and follow written procedures for grading and repairing leaks that meet or exceed the requirements of this section.<br><br>(1) These requirements are applicable to leaks on all portions of a gas pipeline including, but not limited to, line pipe, valves, flanges, meters, regulators, tie-ins, launchers, and receivers.<br><br>(2) The leak grading and repair procedure must prioritize leaks by the hazard to public safety and the environment.<br><br>(3) Each leak must be investigated immediately and continuously until a leak grade determination has been made. | New code section. Includes 192.760(a)-(i) | Capital Portion of cost estimate based on:<br><br>Assumption that the number of leaks identified will double.<br><br>Of leaks found, 80% estimated to be above ground and cost $300 each. While 20 % would be below grade, and cost $5000.<br><br>Additional rechecks, emergency response, and prospecting costs are included in estimate. | Capital | $ 1,500.0 | Non-Labor | 2025: Ongoing | Field Operations | 382 - Meter Assemblies<br>367 - Transmission Mains<br>380 - Distribution Services<br>376 - Distribution Mains |

**Michigan Public Service Commission**
**Michigan Gas Utilities**
**Forecasted Operations and Maintenance Costs and Capital Expenditures Summary from Proposed LDAR Rules**
**for the year ending December 2025**
**($000)**



| Rule Section | Proposed Rule (As Amended) | Impact | Forecasted Cost Development Strategy | Capital / O&M | Annual Cost Forecast | Labor / Non-Labor | Compliance Requirement Date | Department | FERC Account(s) |
|---|---|---|---|---|---|---|---|---|---|
| 192.760 Leak grading and repair | | Inserted duplicate line for Capital and O&M split | O&M portion of cost estimate based on:<br><br>Assumption that the number of leaks identified will double.<br><br>Of leaks found, 80% estimated to be above ground and cost $300 each. While 20 % would be below grade, and cost $5000.<br><br>Additional rechecks, emergency response, and prospecting costs are included in estimate. | O&M | $ 500.0 | Non-Labor | 2025: Ongoing | Field Operations | 863 - Maintenance of mains (transmission)<br>887 - maintenance of mains (distribution)<br>892 - maintenance of services<br>893 - Maintenance of meters and house regulators |
| 192.763 Advanced Leak Detection Program | (b) Advanced Leak Detection Performance Standard. Each operator's ALDP described in paragraph (a) must be capable of detecting all leaks that have a sufficient release rate to produce a reading of 5 parts per million or more of gas when measured from a distance of 5 feet or less from the pipeline, or within a wall-to-wall paved area.<br><br>(1) The performance of the ALDP must be validated and documented with engineering tests and analyses.<br><br>(2) Records validating that the ALDP meets the performance standard must be maintained for at least 5 years after the date that ALDP is no longer used by the operator. | Performance standards. | Estimated cost associated with the new equipment and support needed for ALD Equipment and software $510,000; comprised of:<br><br>- Equipment $300,000,<br>- Internal Labor: Analyst $10,000<br>- Internal Labor: Leak investigation $200,000 | Capital | $ 500.0 | Non-Labor | 2025: Ongoing | Field Operations | 394 - Tools Shop and Garage Equipment |
| 192.769 Qualification of leakage survey, investigation, grading, and repair personnel | Only individuals qualified under subpart N of this part may conduct leakage survey, investigation, grading, and repair. Individuals qualified under subpart N must also possess training, experience, and knowledge in the field of leakage survey, leak investigation, and leak grading, including documented work history or training associated with those activities. | New code requirement. Makes leakage survey, investigation, and repair subject to OQ. | Additional FTE to train and qualify new requirements | O&M | $ 100.0 | Labor | 2025: Ongoing | Operator Qualificatio | 870 - Operation supervision and engineering |
| 192.770 Minimizing emissions from gas transmission pipeline blowdowns | (a) Except as provided in paragraph (b) of this section, when an operator performs any intentional release of gas (including blowdowns or venting for scheduled repairs, construction, operations, or maintenance) from a gas transmission pipeline, the operator must prevent or minimize the release of gas to the environment through one or more of the following methods:<br><br>(1) Isolating the smallest section of the pipeline necessary to complete the task by use of valves or the installation of control fittings;<br><br>(2) Routing gas released from the pipeline from the nearest isolation valves or control fittings to a flare or to other equipment as fuel gas;<br><br>(3) Reducing pressure by use of in-line compression;<br><br>(4) Reducing pressure by use of mobile compression to a segment or storage vessel adjacent to the nearest isolation valves;<br><br>(5) Transferring the gas to a segment of a lower pressure pipeline system adjacent to the nearest isolation valves; or<br><br>(6) Employing an alternative method demonstrated to result in a release volume reduction of at least 50% compared to venting gas directly to the atmosphere without mitigative action.<br><br>(b) An operator is not required to comply with the provisions of paragraph (a) during an event that activates its emergency plan under § 192.615(a)(3) when such minimization would delay emergency response or result in a safety risk during pipeline assessments or maintenance. Each emergency release conducted without mitigation must be documented, including the justification for release without mitigation.<br><br>(c) Operators must document the methodologies used in paragraph (a) and describe how the methodologies minimize the release of gas to the environment. | New code section, requiring actions to minimize gas loss during pipeline blowdowns including minimizing the affected section, flaring, use of an in-line or mobile compressor to reduce line pressure, or transferring gas to a segment of lower pressure. Exceptions for emergency operations. | Additional FTE to administer and document new requirements: $100,000<br><br>Equiptment lease/rentals: $200,000 | O&M | $ 300.0 | Labor | 2025: Ongoing | Engineering | 863 Maintenance of mains |
| 192.773 Pressure relief device maintenance and adjustment of configuration | (a) Each operator must develop, maintain, and follow written operations and maintenance procedures to assess the proper function of pressure limiting or relief device and to repair or replace each failed pressure limiting or relief device. When a pressure limiting or relief device fails to operate or allows gas to release to the atmosphere at an operating pressure above or below the set actuation pressure range defined for the device in the operator's operations and maintenance procedure, the operator must:<br><br>(1) Assess the pilot, springs, seats, pressure gauges, and other components to ensure proper functioning, sensing, and set/reset actuation pressures are within actuation pressure tolerances;<br><br>(2) Assess the inlet and outlet piping for piping that restricts the inlet or outlet gas flow, piping that restricts the sensing pressure, debris, and other restrictions that could impede the<br>operation or restrict the capacity to relieve overpressure conditions;<br><br>(3) Repair or replace the device to eliminate the malfunction as follows:<br><br>(i) If a pressure relief device activates above its set pressure and above the pressure limits in § 192.201(a) or § 192.739 as applicable, fails to operate, or otherwise fails to provide overpressure protection, the operator must repair or replace the device or pressure sensing equipment immediately.<br><br>(ii) If a pressure relief device allows gas to release to the atmosphere at an operating pressure below the set actuation pressure range, the operator must take immediate and continuous action with on-site personnel to stop the release until the device is repaired or replaced. The relief device or pressure sensing equipment must be repaired or replaced as soon as practicable but within 30 days.<br><br>(b) Each operator must develop, maintain, and follow written operations and maintenance procedures to ensure that a pressure relief device configuration, as demonstrated by a documented engineering analysis, employs set and reset actuation pressures ensuring minimization of release volumes while providing adequate overpressure protection. | New code section. Requirement have written procedures to assess and repair any pressure limiting or relief device that fails to operate or vents gas when it isn't supposed to. Operators also must have procedures to ensure pressure limiting or relief devices have set and reset actuation pressures designed to reduce emissions while still providing adequate overpressure protection. | Partial FTE to evaluate and correct relief issues | O&M | $ 25.0 | Labor | 2025: Ongoing | Engineering | 870 - Operation supervision and engineering |