


| Bill Impacts due to Cast Iron and Bare Steel Replacement Program |  |
| :--- | ---: |
|  | Total Yr 1 |
| Annual Increase due to Cast Iron Bare Steel program | $\$ 314,318$ |
| Annual Throughput (based on Nov 07 COG filing) | $154,702,063$ |
| Increase Factor | $\$ 0.0020$ |
| Typical Residential bill (Based on Pk 08-09 and OffPeak 09 COG) | $\$ 1,757$ |
| Typical Usage | 1250 |
| Annual Increase for Residential Heating customer | $\$ 2.54$ |
| Percent bill increase | $0.14 \%$ |
| Annual Revenues 2006-07 from Rate Case | $\$ 176,520,000$ |
| Annual percent increase | $0.18 \%$ |

## Energy North

|  |  | $\begin{gathered} \text { Year } \\ 1 \\ \text { FY09 } \end{gathered}$ |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Deferred Tax Calculation |  |  |  |  |  |
| CIBS Progam Actual Spend |  | 2,465,616 |  |  |  |
| Base Spending Amount |  | 500,000 |  |  |  |
| Incremental Amount |  | 1,965,616 |  |  |  |
| Cumulative REP Program Spend |  | 1,965,616 |  |  |  |
| Book Depreciation Rate (a) |  | 2.23\% |  |  |  |
| 15/20 YR MACRS Tax Depr. Rates |  | 5.00\% |  |  |  |
| Vintage Year Tax Depreciation: |  |  |  |  |  |
| Year 1 Spend |  | 98,281 |  |  |  |
| Year 2 Spend |  |  |  |  |  |
| Year 3 Spend |  |  |  |  |  |
| Year 4 Spend |  |  |  |  |  |
| Year 5 Spend |  |  |  |  |  |
| Annual Tax Depreciation |  | 98,281 |  |  |  |
| Cumulative Tax Depreciation |  | 98,281 |  |  |  |
| Book Depreciation |  | 43,800 |  |  |  |
| Cumulative Book Depreciation |  | 43,800 |  |  |  |
| Book/Tax Timer |  | 54,480 |  |  |  |
| Effective Tax Rate |  | 40.53\% |  |  |  |
| Deferred Tax Reserve |  | 22,078 |  |  |  |
| Rate Base Calculation |  |  |  |  |  |
| Plant In Service |  | 1,965,616 |  |  |  |
| Accum Depr |  | $(43,800)$ |  |  |  |
| Def Tax Reserve |  | $(22,078)$ |  |  |  |
| Year End Rate Base |  | 1,899,737 |  |  |  |
| Revenue Requirement Calculation |  |  |  |  |  |
| Year End Rate Base |  | 1,899,737 |  |  |  |
| Pre-Tax ROR |  | 12.25\% |  |  |  |
| Return and Taxes |  | 232,778 |  |  |  |
| Book Depreciation |  | 43,800 |  |  |  |
| Property Taxes (b) | 1.92\% | 37,740 |  |  |  |
| Annual Revenue Requirement |  | 314,318 |  |  |  |
| Annual Rate Adiustment |  |  |  |  |  |
| Incremental Annual Rate Adjustment |  |  |  |  |  |
| Imputed Capital Structure |  |  |  | Weighted |  |
|  |  | Ratio | Rate | Rate | Pre Tax |
| Long Term Debt (c) |  | 50.00\% | 7.02\% | 3.51\% | 3.51\% |
| Short Term Debt |  | 0.00\% | 0.00\% | 0.00\% | 0.00\% |
| Common Equity (d) |  | 50.00\% | 10.39\% | 5.20\% | 8.74\% |
|  |  | 100.00\% |  | 8.71\% | 12.25\% |

(a) Actual 2007 Composite Depreciation rate for distribution property.
(b) Actual 2007 ratio of municipal tax expense to net plant in service.
(c) Capital structure per Merger Settlement in Docket DG 06-107, Exhibit 1, Section 3(c).

