# Appendix C.2

# Rate Impact Calculations

**Hiawatha 115 kV Project**
**Rate Impact Calculations**

| **Low Cost** | Capital | CO RR | CO RR | Rate Impact | Typical Cust | MN RR | MN RR | Rate Impact | Typical Cust |
|---|---|---|---|---|---|---|---|---|---|
| Substation | $27,600,000 | $3,877,030 | 14.05% | $0.000105 | $0.08 | $3,430,877 | 12.43% | $0.000106 | $0.08 |
| Lines | $2,800,000 | $385,212 | 13.76% | $0.000010 | $0.01 | $340,883 | 12.17% | $0.000011 | $0.01 |
| | $30,400,000 | $4,262,242 | 14.02% | $0.000115 | $0.09 | $3,771,760 | 12.41% | $0.000117 | $0.09 |

| **Mid Cost** | Capital | CO RR | CO RR | Rate Impact | Typical Cust | MN RR | MN RR | Rate Impact | Typical Cust |
|---|---|---|---|---|---|---|---|---|---|
| Substation | $35,200,000 | $4,944,619 | 14.05% | $0.000134 | $0.10 | $4,375,612 | 12.43% | $0.000136 | $0.10 |
| Lines | $4,700,000 | $646,606 | 13.76% | $0.000018 | $0.01 | $572,197 | 12.17% | $0.000018 | $0.01 |
| | $39,900,000 | $5,591,225 | 14.01% | $0.000152 | $0.11 | $4,947,809 | 12.40% | $0.000154 | $0.12 |

| **High Cost** | Capital | CO RR | CO RR | Rate Impact | Typical Cust | MN RR | MN RR | Rate Impact | Typical Cust |
|---|---|---|---|---|---|---|---|---|---|
| Substation | $35,200,000 | $4,944,619 | 14.05% | $0.000134 | $0.10 | $4,375,612 | 12.43% | $0.000136 | $0.10 |
| Lines | $15,500,000 | $2,132,433 | 13.76% | $0.000058 | $0.04 | $1,887,032 | 12.17% | $0.000059 | $0.04 |
| | $50,700,000 | $7,077,052 | 13.96% | $0.000192 | $0.14 | $6,262,644 | 12.35% | $0.000195 | $0.15 |