# CMP System Losses

**(These system losses exclude losses over PTF facilities)**

| | Loss Factors by Voltage Level | | |
| --- | --- | --- | --- |
| | **Winter** | **Non-Winter** | **Average** |
| Secondary | 0.078346 | 0.082998 | **0.081299** |
| Primary | 0.040232 | 0.040236 | **0.040785** |
| Sub-Transmission | 0.013918 | 0.015085 | **0.014599** |
| Transmission | 0.002351 | 0.003379 | **0.003017** |
| | | | |
| Average | | | **0.064963** |

## Weighted Average Loss Factors by Class

| **Medium Class** | **Total Class** | **SO Only** |
| --- | --- | --- |
| % of Class @ Secondary Voltage | 96.7% | 96.7% |
| % of Class @ Primary Voltage | 3.3% | 3.3% |
| | 100.0% | 100.0% |
| **Medium Class Weighted Average Loss Factor** | **0.079962** | **0.079962** |

| **Large Class** | **Total Class** | **SO Only** |
| --- | --- | --- |
| % of Class @ Secondary | 15.8% | 32.5% |
| % of Class @ Primary | 26.7% | 50.0% |
| % of Class @ Sub-Transmission | 33.6% | 15.3% |
| % of Class @ Transmission | 23.9% | 2.1% |
| | 100.0% | 100.0% |
| **Large Class Weighted Average Loss Factor** | **0.029347** | **0.049045** |

*Application of Loss Factors*

*Total MWh to be provided = (1+loss factor) x (MWh measured at meter)*

   *Example:   Usage @ meter = 9,700 MWh*

       *Total MWh to be provided = 9,700 x (1+.079962) = 10,476*