

BHE System Losses

(These system losses exclude losses over PTF facilities)

Loss Factors by Voltage Level	
	<u>Average</u>
Secondary	0.109878
Primary	0.059547
Sub-Transmission	0.030715
Transmission	0.016157

Weighted Average Loss Factors by Class

Medium Class

	<u>Total Class</u>	<u>SO Only</u>
% of Class @ Secondary Voltage	80.7%	80.9%
% of Class @ Primary Voltage	<u>19.3%</u>	<u>19.1%</u>
	100.0%	100.0%

Medium Class Weighted Average Loss Factor

0.100169

0.100260

Large Class

	<u>Total Class</u>	<u>SO Only</u>
% of Class @ Secondary	0.0%	0.0%
% of Class @ Primary	35.0%	46.2%
% of Class @ Sub-Transmission	65.0%	53.8%
% of Class @ Transmission	<u>0.0%</u>	<u>0.0%</u>
	100.0%	100.0%

Large Class Weighted Average Loss Factor

0.040818

0.044030

Application of Loss Factors

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

Example: Usage @ meter = 9,700 MWh

$$\text{Total MWh to be provided} = 9,700 \times (1 + .100169) = 10,672$$