

FAC BASE FACTOR CALCULATION

	Empire Direct Proposed FAC Base Total Company	Staff Direct Proposed FAC Base Total Company	Empire Surrebittal \$2.42 NG Proposed FAC Base Total Company
<u>FUEL</u>			
Fuel	\$ 73,963,828	\$ 81,329,145	\$ 88,773,426
Nat Gas Transportation Variable (Nat Gas Commodity Costs)	\$ 290,672	\$ 288,248	\$ 314,760
Natural Gas Losses at the Cost of Natural Gas	\$ 1,028,587	\$ 1,178,715	\$ 1,291,495
Other Fuel Related (Undistributed & Other and Unit Train)	\$ 2,191,400	\$ 2,191,400	\$ 2,191,400
Total Fuel and Related Costs	\$ 77,474,486	\$ 84,987,508	\$ 92,571,081
<u>PURCHASED POWER ENERGY</u>			
Purchased Power Energy (e.g. Plum Point PPA and Wind PPAs)	\$ 32,544,328	\$ 34,497,047	\$ 26,494,599
Plum Point O&M Cost-Variable	\$ 2,541,193	\$ 2,541,193	\$ 2,651,968
Total Purchased Power	\$ 35,085,521	\$ 37,038,240	\$ 29,146,567
Total F&PP (without purchase demand or Nat Gas Transport)	\$ 112,560,008	\$ 122,025,748	\$ 121,717,648
<u>RESOURCE REVENUES</u>			
Resource sales into the SPP IM, MJMEUC energy sale, owned wind renewable PTC/REC revenue	\$ (193,552,241)	\$ (208,475,609)	\$ (206,227,618)
<u>NATIVE LOAD COST</u>			
SPP Charge - Liberty-Empire Load	\$ 132,020,085	\$ 143,030,070	\$ 143,477,057
Ancillary/Other	\$ 1,814,044	\$ 1,818,658	\$ 1,814,044
Net ARR/TCR	\$ (14,527,626)	\$ (14,464,960)	\$ (14,527,626)
Total Native Load Cost	\$ 119,306,503	\$ 130,383,768	\$ 130,763,475
<u>NET F&PP</u>			
Total Net F&PP (without purchase demand or Nat Gas Transport)	\$ 38,314,270	\$ 43,933,907	\$ 46,253,505
<u>OTHER ENERGY RELATED AND ADJUSTMENTS</u>			
Net Emissions Allowances	\$ -	\$ -	\$ -
Consumables (Ammonia, Limestone, PAC) - Variable	\$ 929,785	\$ 825,561	\$ 1,030,136
Other Renewable Energy Credits (RECs)	\$ (221,928)	\$ (281,951)	\$ (221,928)
Fuel Admin/Labor	\$ (258,926)	\$ (308,664)	\$ (258,926)
RTO Transmission	\$ 13,568,075	\$ 4,162,206	\$ 13,568,075
Net Metering Credits	\$ 68,750	\$ 68,750	\$ 68,750
Total Other Energy Related and Adjustments	\$ 14,085,755	\$ 4,465,902	\$ 14,186,107
Total F&PP for FAC Base	\$ 52,400,026	\$ 48,399,809	\$ 60,439,612
Total Kwh	5,181,472,595	5,077,206,660	5,181,471,008
FAC Base Factor \$ per kWh	0.01011	0.00953	0.01166
FAC Base Factor \$ per MWh	10.11	9.53	11.66