

**Spirit Mountain Powerplant  
Pick-Sloan Missouri Basin Program**

**SPIRIT MOUNTAIN POWERPLANT**

**Ancillary Services**

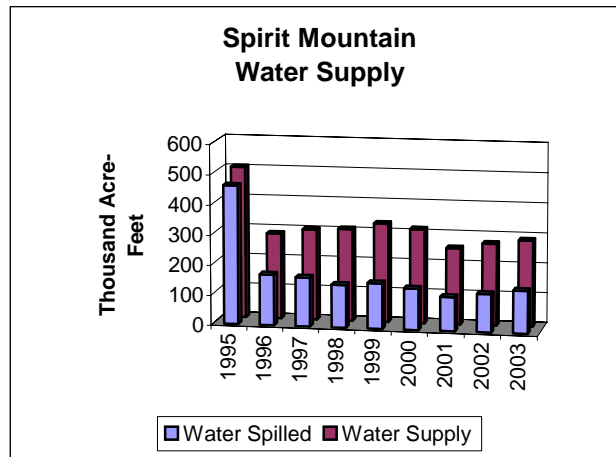
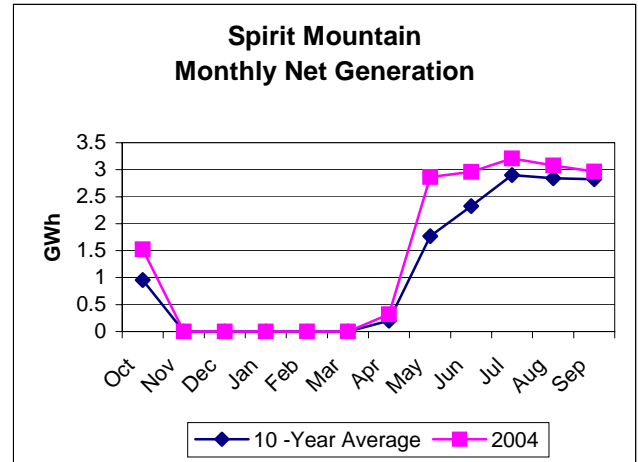
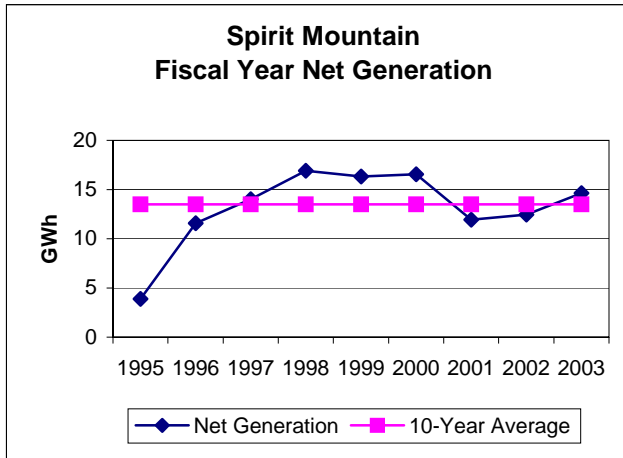
<b>Spirit Mountain Ancillary Services</b>	
Spinning Reserve	No
Non-Spinning Reserve	No
Replacement Reserve	No
Regulation/Load Following	No
Black Start	No
Voltage Support	No

**Generators**

<b>Spirit Mountain Generators</b>			
Existing Number and Capacity			
Unit #	Original Capacity (kW)	Capacity Increased (kW)	Present Capacity (kW)
1	4,500	0	4,500
1 Unit	4,500	0	4,500

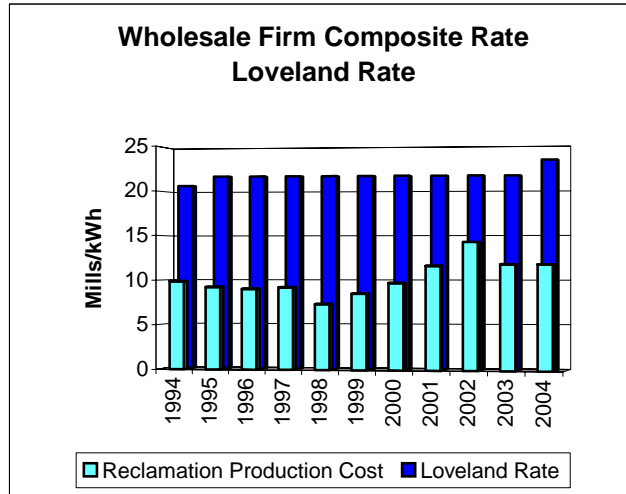
Spirit Mountain Powerplant  
Other

Generation

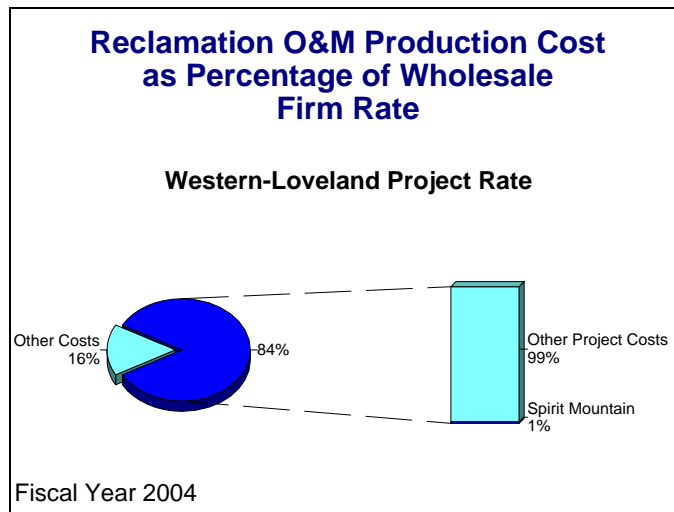


**Prime Laboratory Benchmarks**

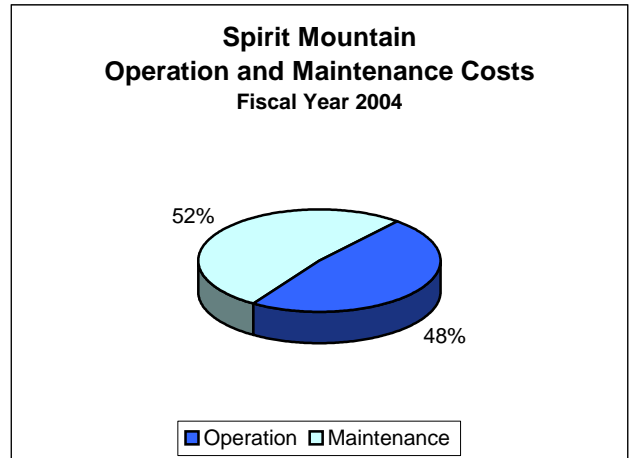
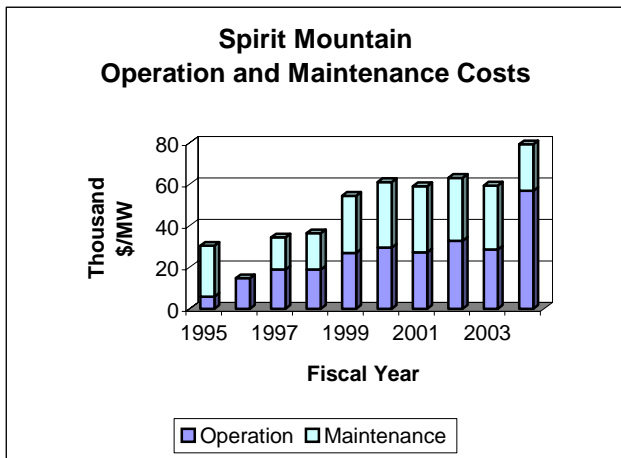
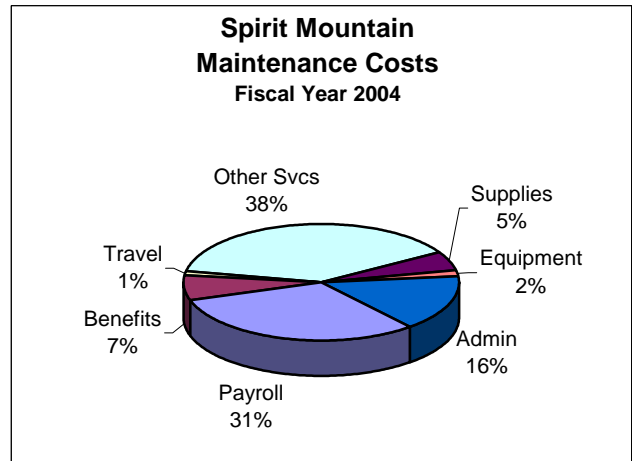
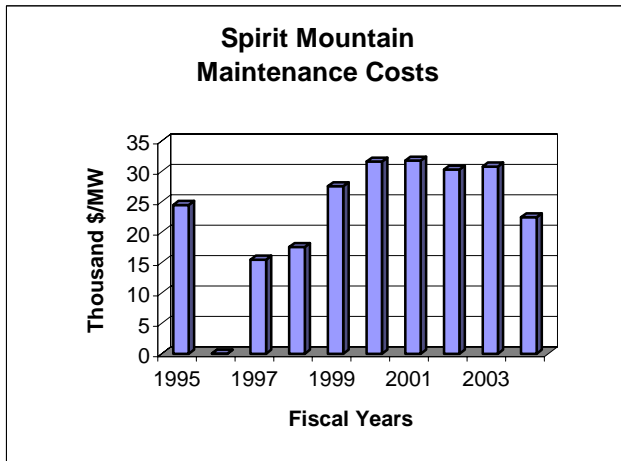
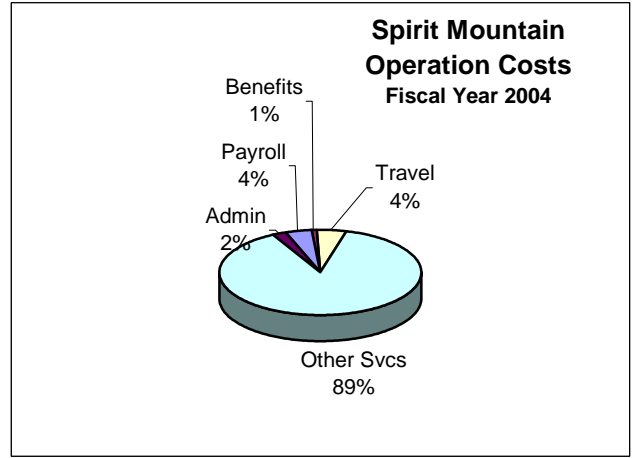
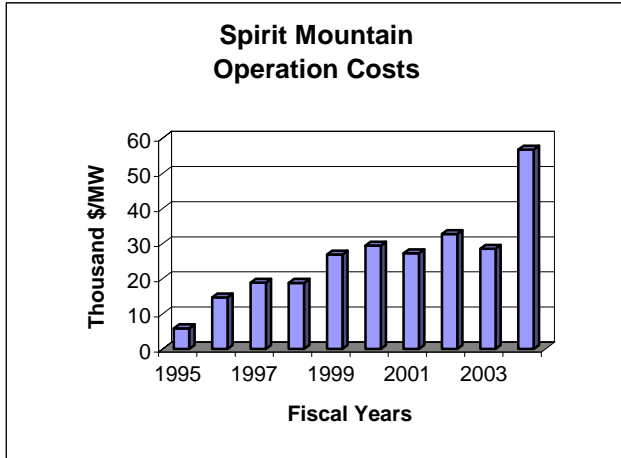
**Benchmark 1  
Wholesale Firm Rate**



**Benchmark 2  
Reclamation's Production Cost as Percentage of Wholesale Firm Rate**

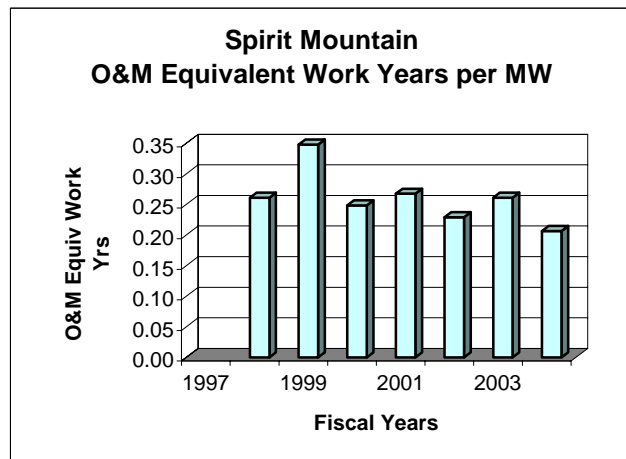
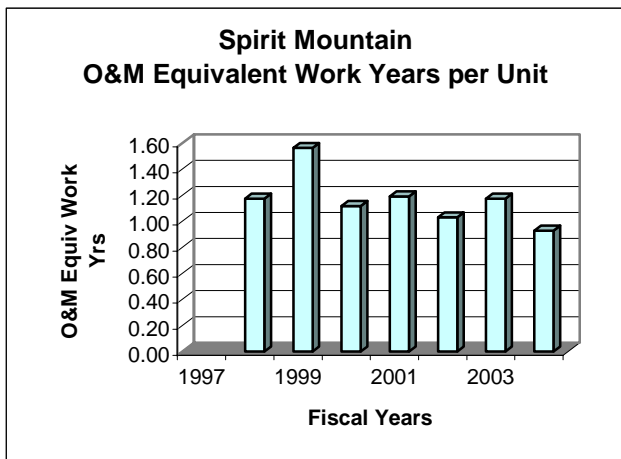
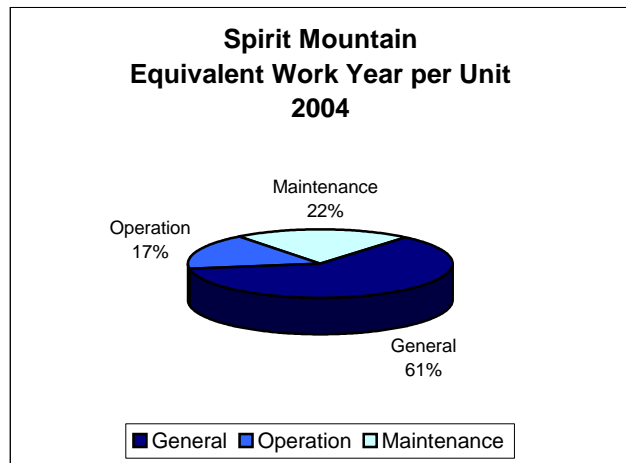
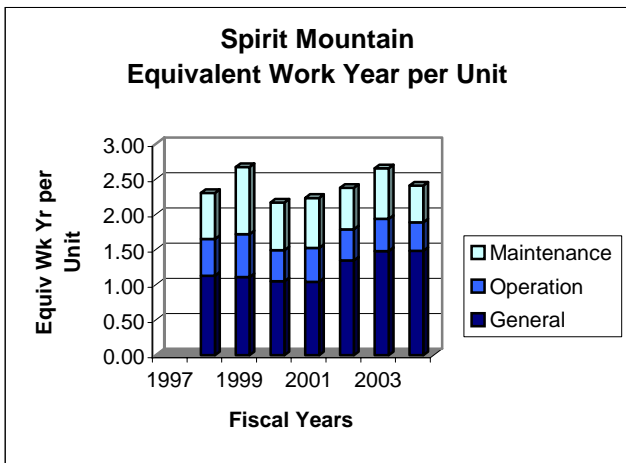


**Benchmark 3  
Production Cost**



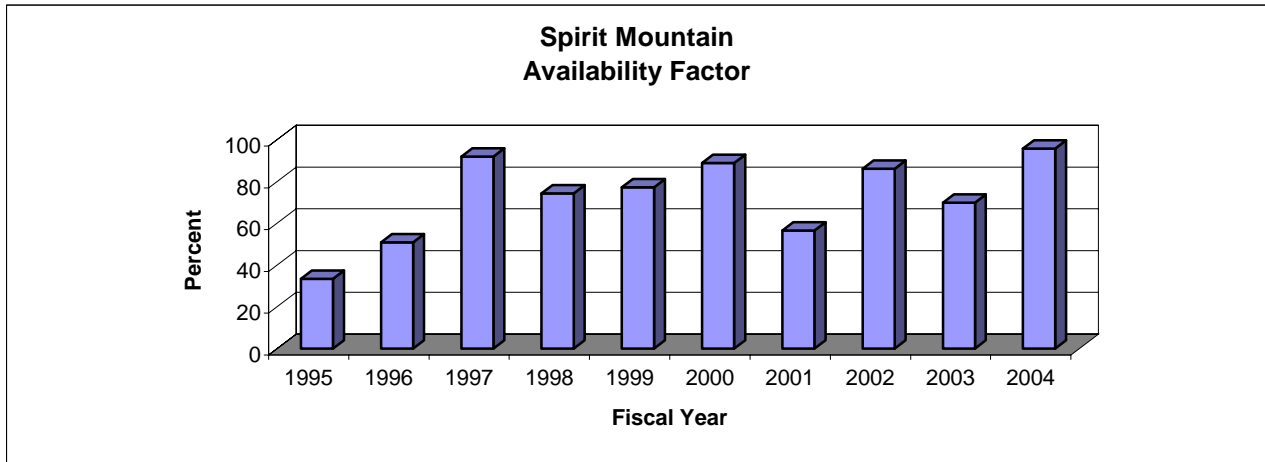
**Benchmark 4  
Workforce Deployment**

<b>Spirit Mountain 2004 Equivalent Work Year Levels</b>						
	<b>Equiv Work Year Charged to Powerplant</b>	<b>Leave Additive</b>	<b>Denver and Washington Equiv Work Year Additive</b>	<b>Total Equiv Work Year Allocated to Powerplant</b>	<b>Total Equiv Work Year per Generating Unit</b>	<b>Total Equiv Work Year per Megawatt</b>
General	1.31	0.15	0.02	1.48	1.48	0.33
Operation	0.37	0.04	0.00	0.41	0.41	0.09
Maintenance	0.47	0.05	0.00	0.52	0.52	0.12
Total Staffing	2.14	0.25	0.02	2.41	2.41	0.53



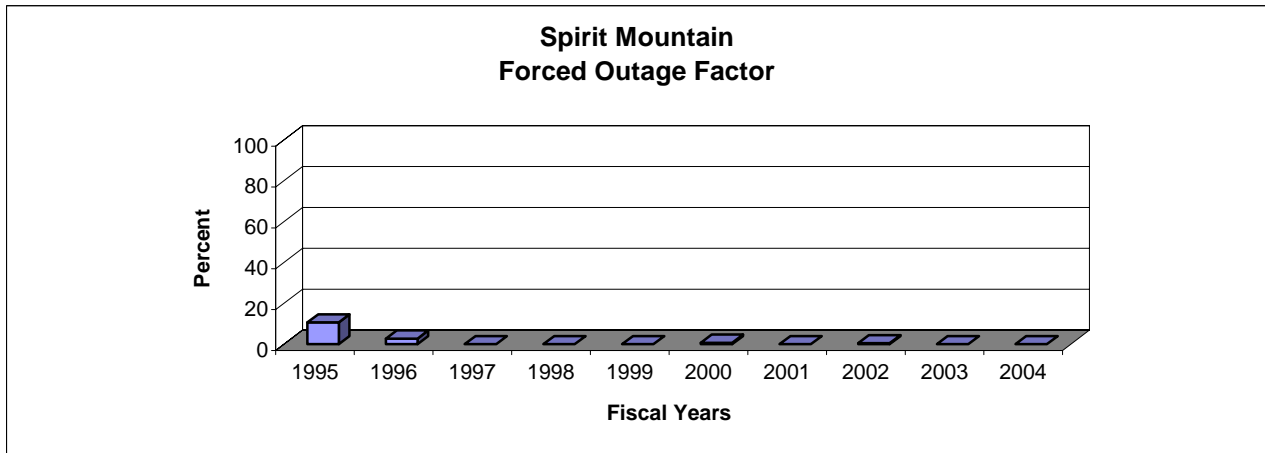
Distributive Accounts not available for FY-97

**Benchmark 5  
Availability Factor**



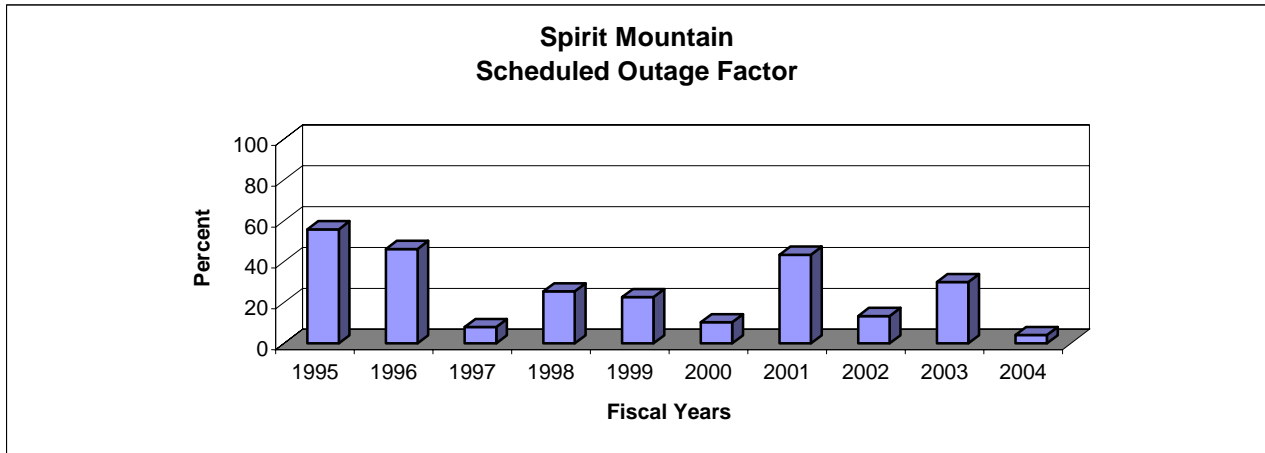
FY-01-Extended outages due to coating repairs in the Buffalo Bill penstock and to the sleeve valves.

**Benchmark 6  
Forced Outage Factor**



FY-95 - Contractor problems with brakes on new unit

**Benchmark 7  
Scheduled Outage Factor**

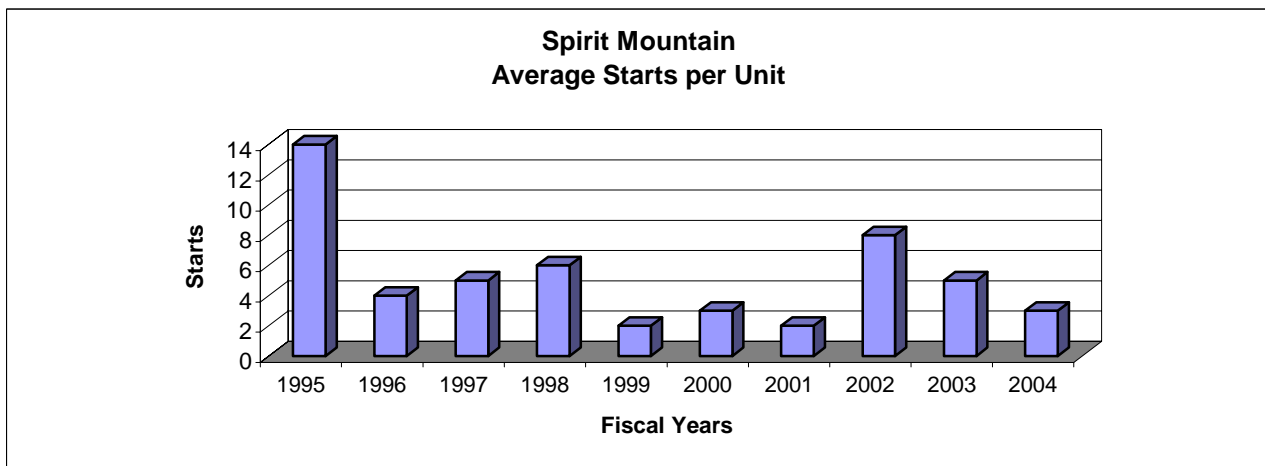


FY-95 and FY-96 – Contractor problems with new unit

FY-01 – Extended outages due to coating repairs in the Buffalo Bill penstock and to the sleeve valves.

FY 03 – Extensive packing box repairs and replacement of failed and disconnected switch.

**Starts**



<b>Benchmark Data Comparison</b>				
<b>Fiscal Year 2004</b>	<b>Spirit Mountain Powerplant</b>	<b>Total Reclamation Average</b>	<b>Industry Average</b>	<b>Best Performers</b>
<b>Wholesale Firm Rate Mills/kWh</b>	21.7	*21.06	Not Available	Not Available
<b>Production Cost as Percentage of Wholesale Firm Rate</b>	1.0%	13.5%	Not Applicable	Not Applicable
<b>O&amp;M Cost \$/MWh</b>	21.25	2.77	Not Applicable	1.23
<b>O&amp;M Costs \$/MW</b>	79,274.66	7,316.97	Not Applicable	2,951.22
<b>O&amp;M Equip Work Year per MW</b>	0.21	0.04	Not Available	0.000
<b>Availability Factor</b>	86.1	86.9	**89.2	99.97
<b>Forced Outage Factor</b>	0.50	0.7	**1.9	0.00
<b>Scheduled Outage Factor</b>	13.4	12.4	**8.9	0.02

\*Weighted by Net Generation

\*\*2003 NERC Average