

**Flaming Gorge Powerplant
100-500 MW**

Ancillary Services

**Flaming Gorge
Ancillary Services**

Spinning Reserve	Yes
Non-Spinning Reserve	Yes
Replacement Reserve	Yes
Regulation/Load Following	Yes
Black Start	Yes
Voltage Support	Yes

Generators

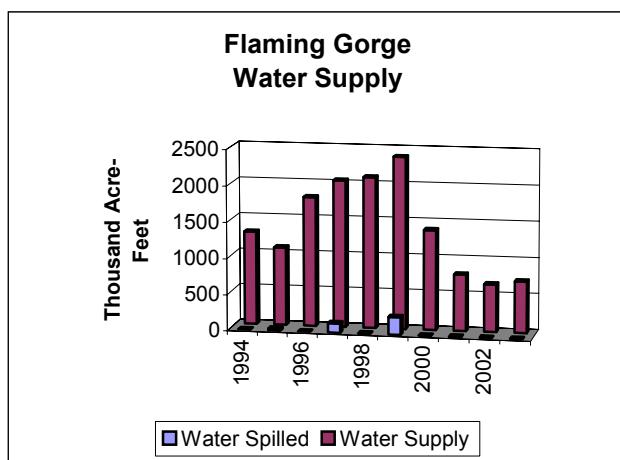
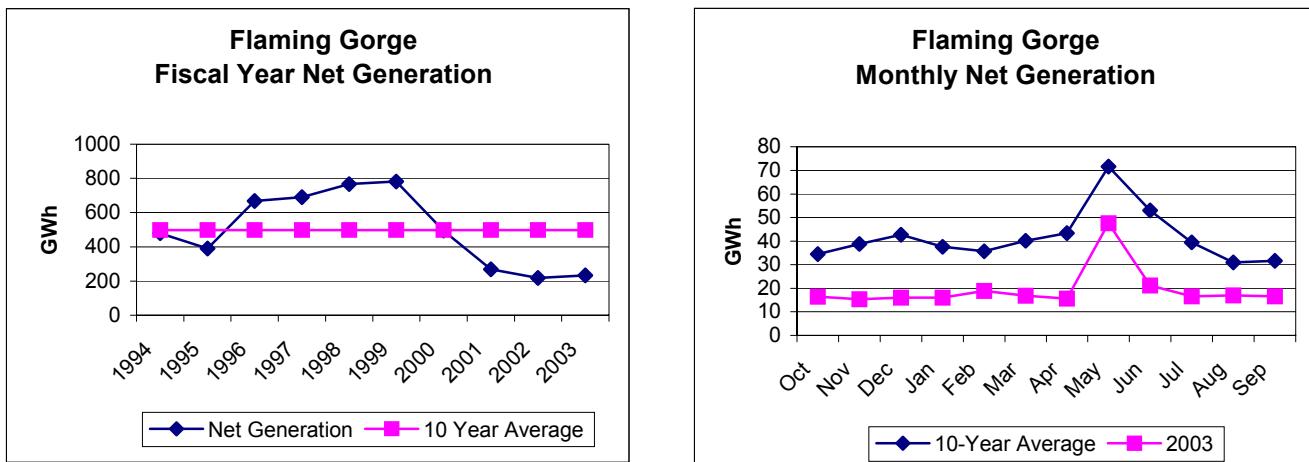
Flaming Gorge Generators

Existing Number and Capacity

Unit #	Original Capacity (kW)	Capacity Increased (kW)	Present Capacity (kW)
1	36,000	14,650	50,650
2	36,000	14,650	50,650
3	36,000	14,650	50,650
3 Units	108,000	43,950	151,950

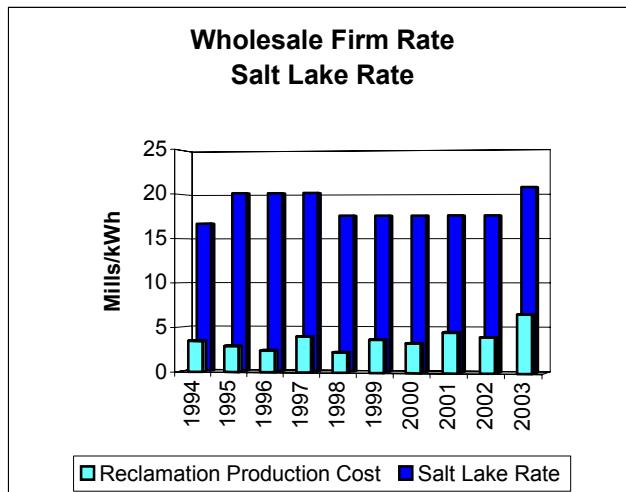
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Generation

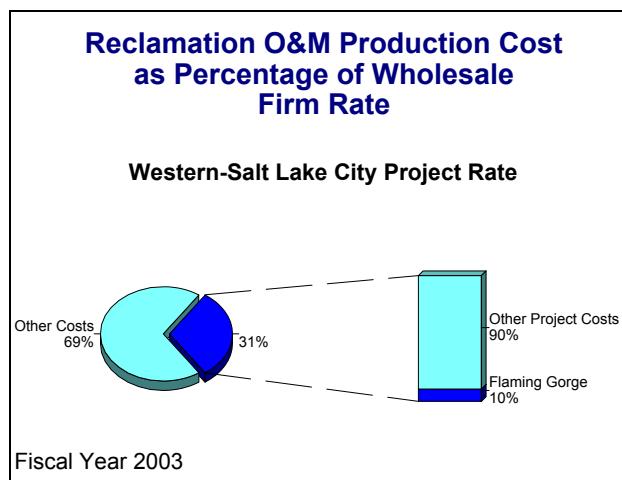


Prime Laboratory Benchmarks

Benchmark 1 Wholesale Firm Rate

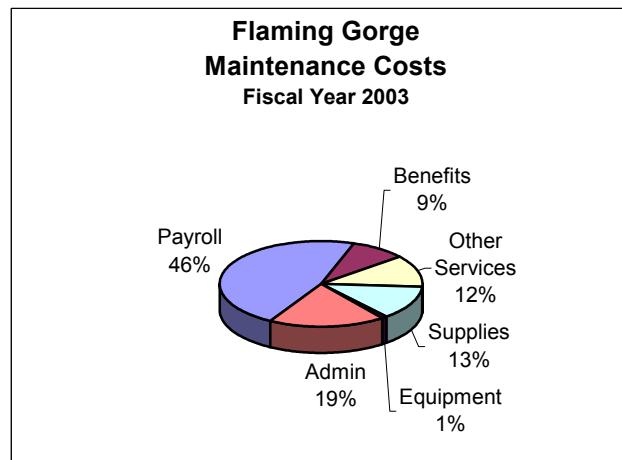
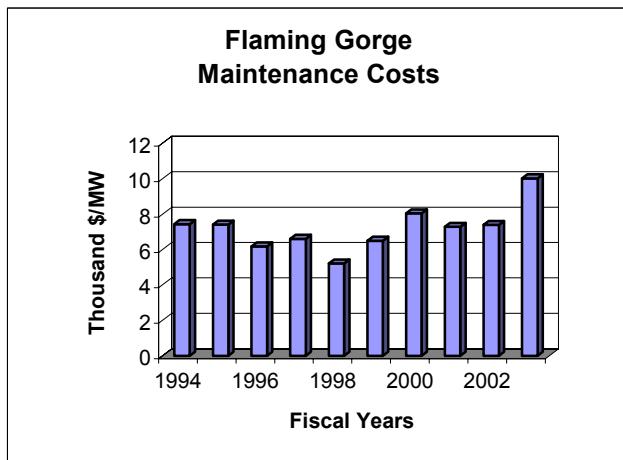
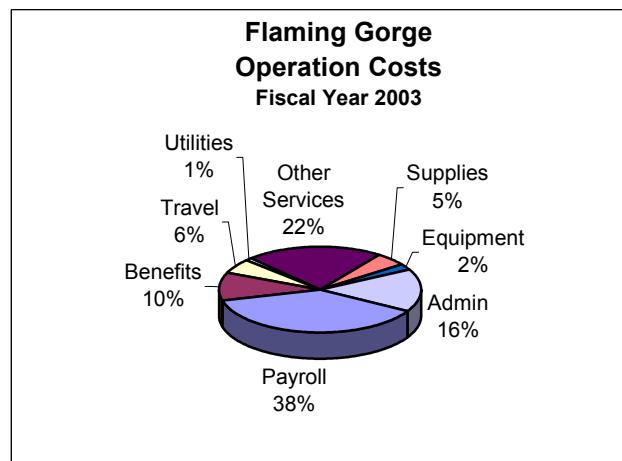
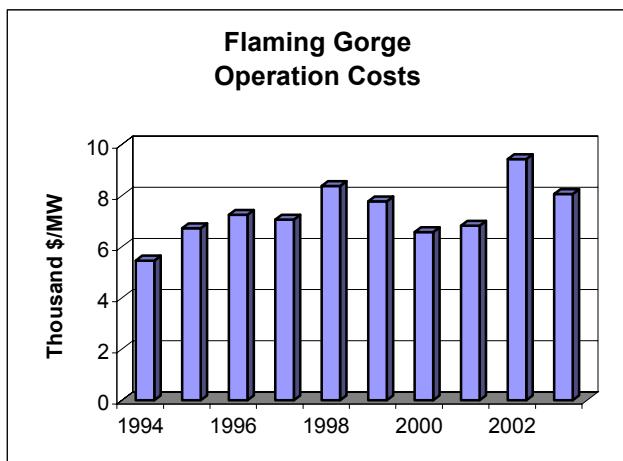


Benchmark 2 Reclamation's Production Cost as Percentage of Wholesale Firm Rate



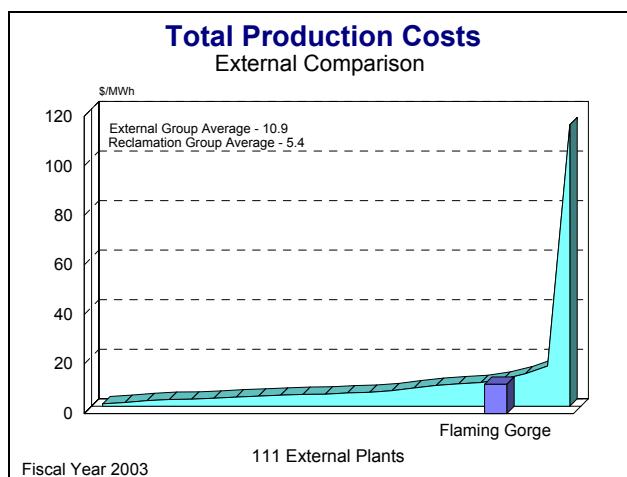
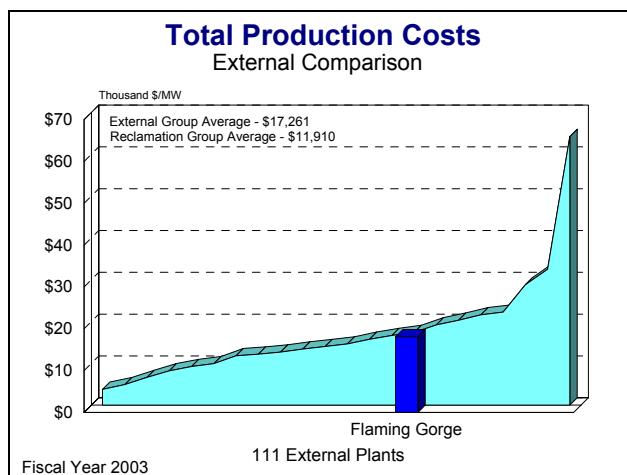
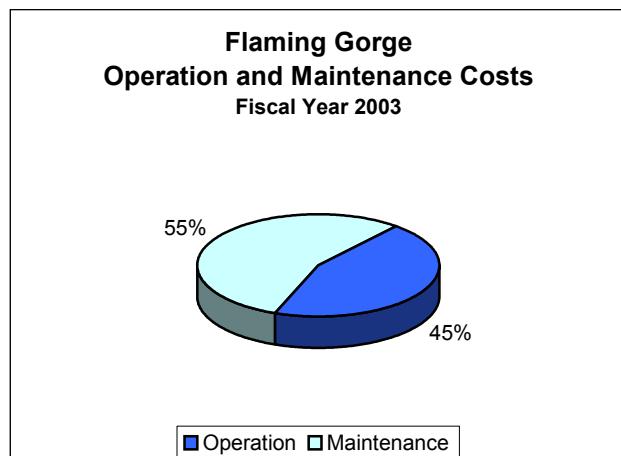
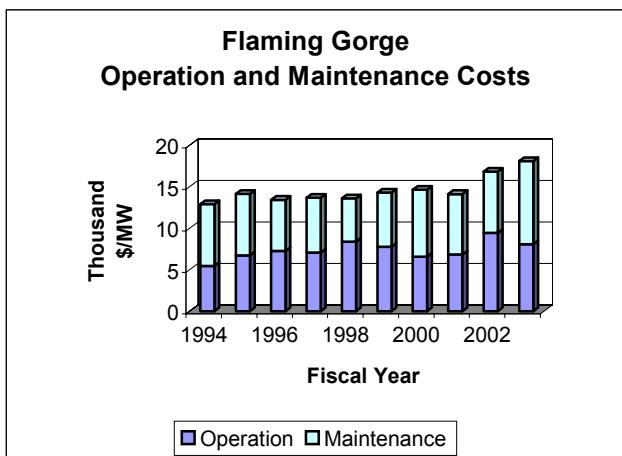
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Benchmark 3
Production Cost



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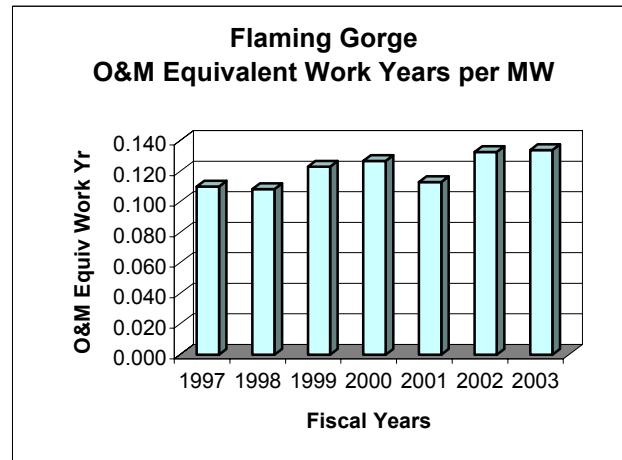
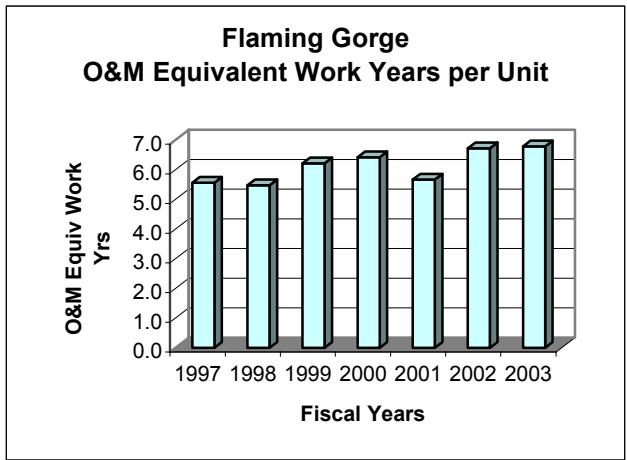
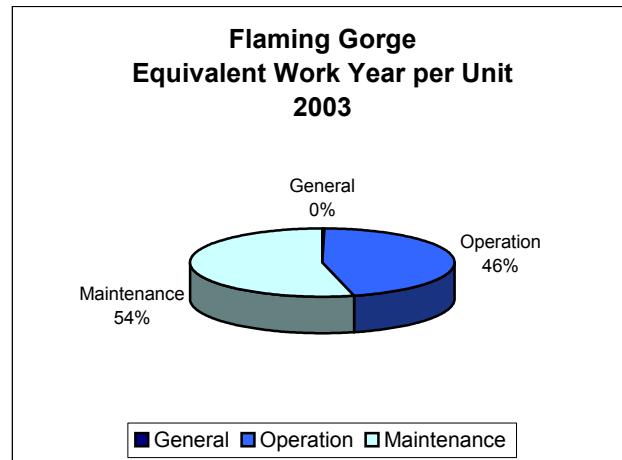
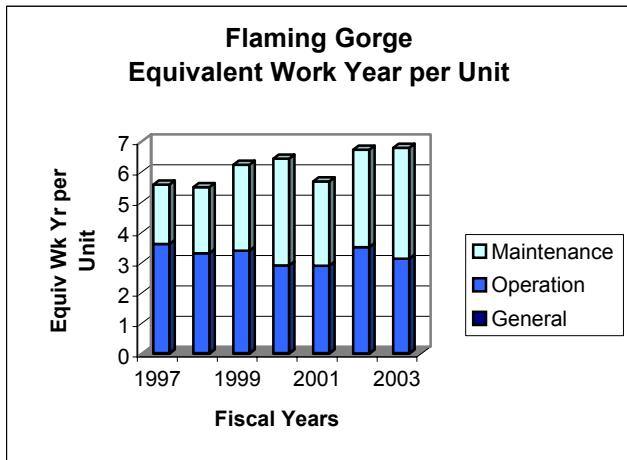
Benchmark 3
Production Cost



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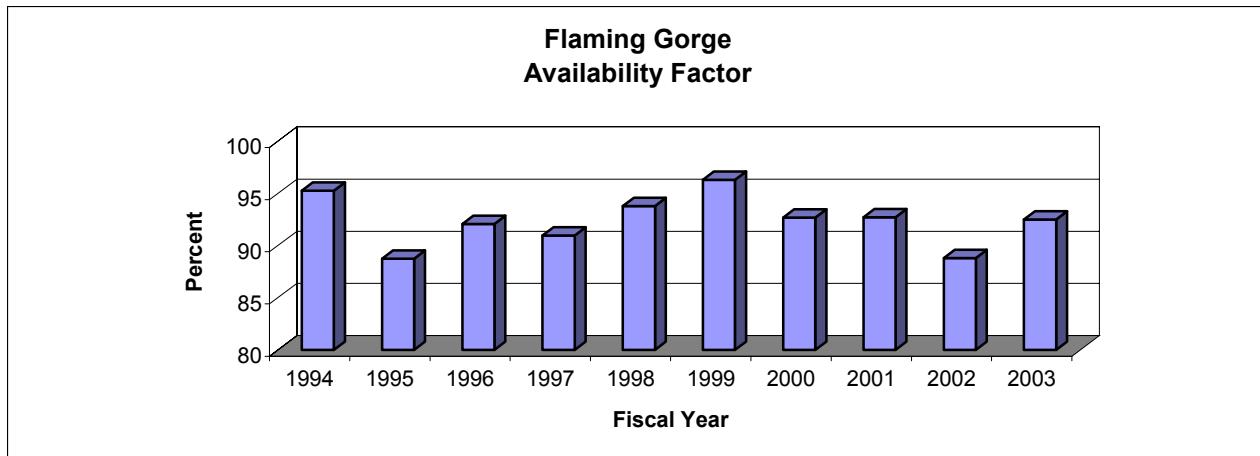
Benchmark 4
Workforce Deployment

Flaming Gorge 2003 Equivalent Work Year Levels						
	Equiv Work Year Charged to Powerplant	Leave Additive	Denver and Washington Equiv Work Year Additive	Total Equiv Work Year Allocated to Powerplant	Total Equiv Work year per Generating Unit	Total Equiv Work Year per Megawatt
General	0	0	0.07	0.07	0.02	0
Operation	8.35	1	0	9.35	3.12	0.06
Maintenance	9.81	1.17	0	10.99	3.66	0.07
Total Staffing	18.17	2.17	0.07	20.4	6.8	0.13

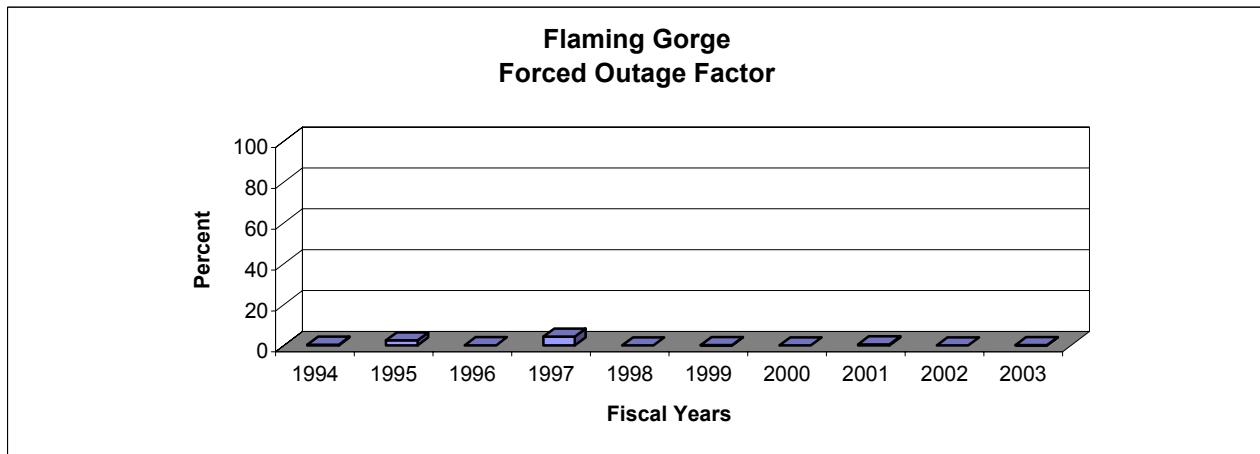


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**Benchmark 5
Availability Factor**



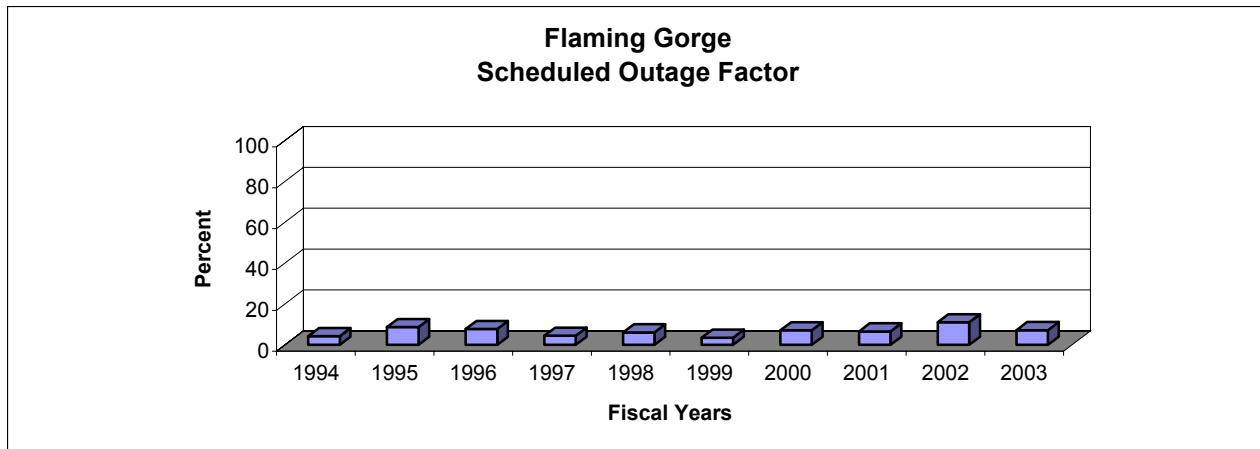
**Benchmark 6
Forced Outage Factor**



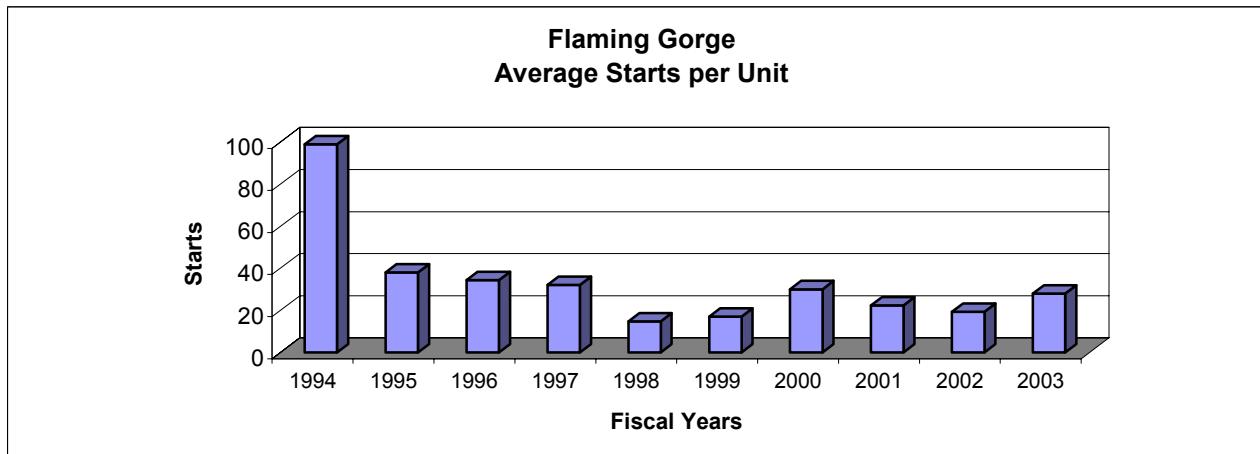
FY-97 - Units out due to plant flooding

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**Benchmark 7
Scheduled Outage Factor**



Starts



Benchmark Data Comparison

Fiscal Year 2003	Flaming Gorge Powerplant	Reclamation Average 100-500 MW Group	Total Reclamation Average	Industry Average	Best Performers
Wholesale Firm Rate Mills/kWh	20.7	Not Applicable	*23.1	Not Available	Not Available
Production Cost as Percentage of Wholesale Firm Rate	3.0%	Not Applicable	12.0%	Not Applicable	Not Applicable
O&M Cost \$/MWh	11.8	4.5	2.7	10.9	1.1
O&M Costs \$/MW	18,093	10,924	7,315	17,261	3,108
O&M Equiv Work Year per MW	0.1	0.1	0.04	Not Available	0.01
Availability Factor	92.5	87.6	83.6	**88.9	99.1
Forced Outage Factor	0.2	0.8	1.5	**2.4	0.0
Scheduled Outage Factor	7.3	11.7	14.9	**8.7	0.0

*Weighted by Net Generation

**2002 NERC Average