

**Glen Canyon Powerplant  
 Colorado River Storage Project  
 Glen Canyon Storage Unit**

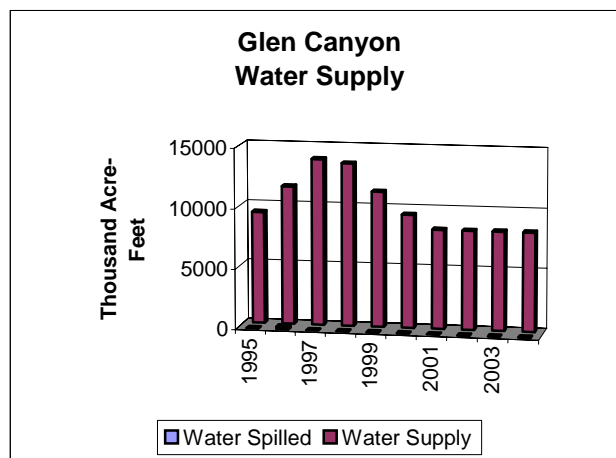
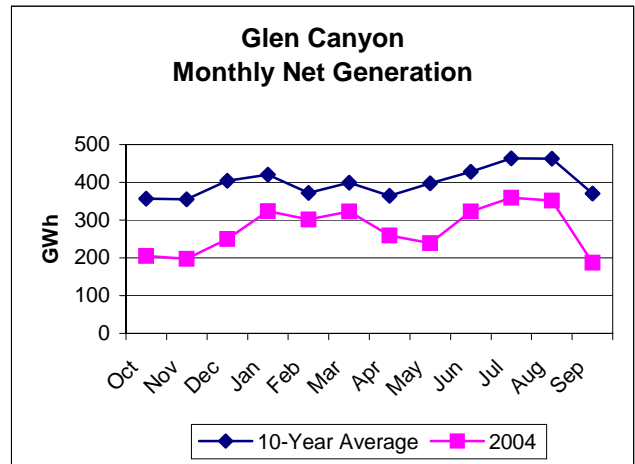
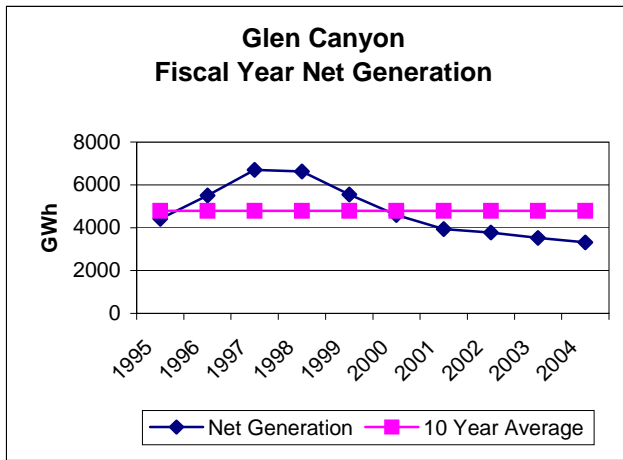
**Ancillary Services**

<b>Glen Canyon Ancillary Services</b>	
Spinning Reserve	Yes
Non-Spinning Reserve	Yes
Replacement Reserve	Yes
Regulation/Load Following	Yes
Black Start	Yes
Voltage Support	Yes

**Generators**

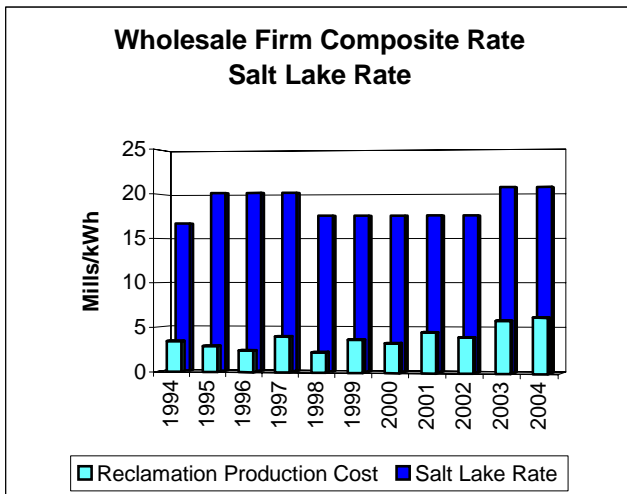
<b>Glen Canyon Generators Existing Number and Capacity</b>			
Unit #	Original Capacity (kW)	Capacity Increased (kW)	Present Capacity (kW)
1	118,750	46,250	165,000
2	118,750	46,250	165,000
3	118,750	46,250	165,000
4	118,750	46,250	165,000
5	118,750	46,250	165,000
6	118,750	46,250	165,000
7	118,750	38,250	157,000
8	118,750	46,250	165,000
8 Units	950,000	382,000	1,312,000

Generation

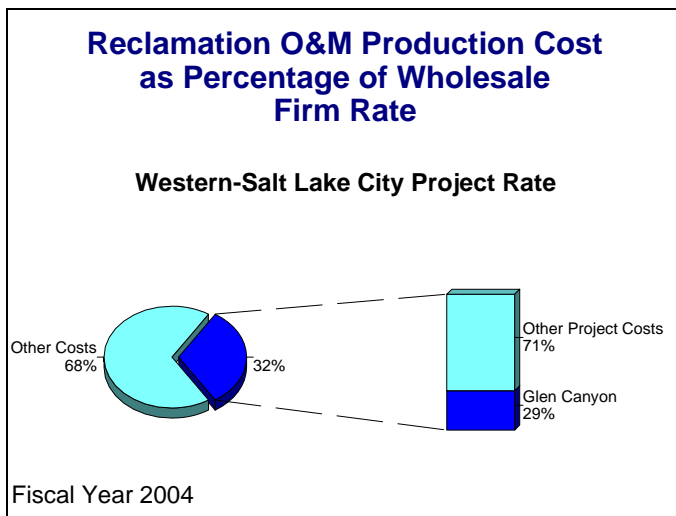


**Prime Laboratory Benchmarks**

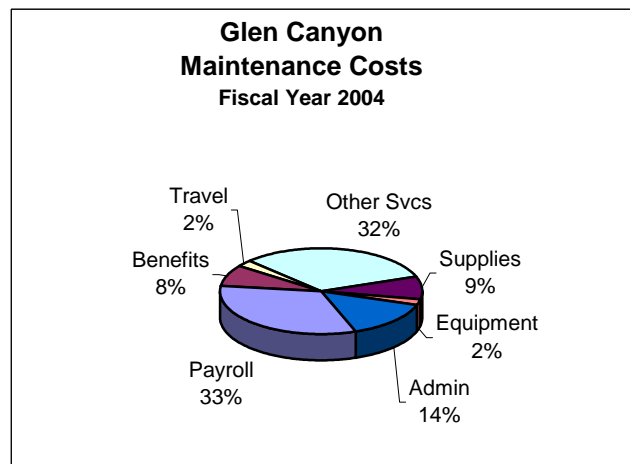
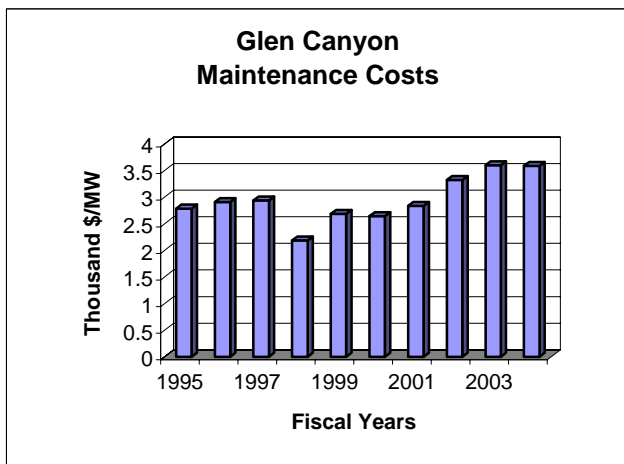
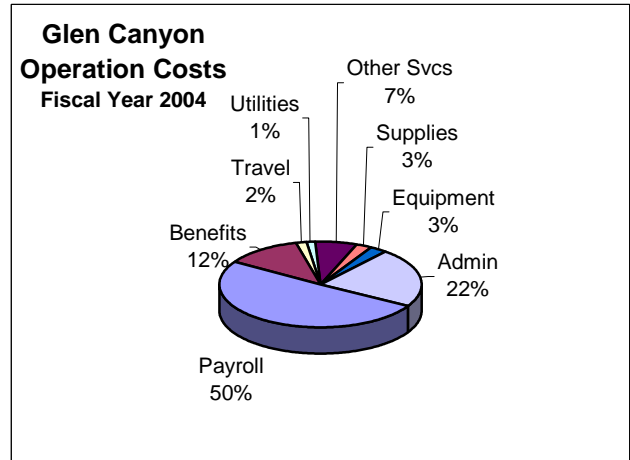
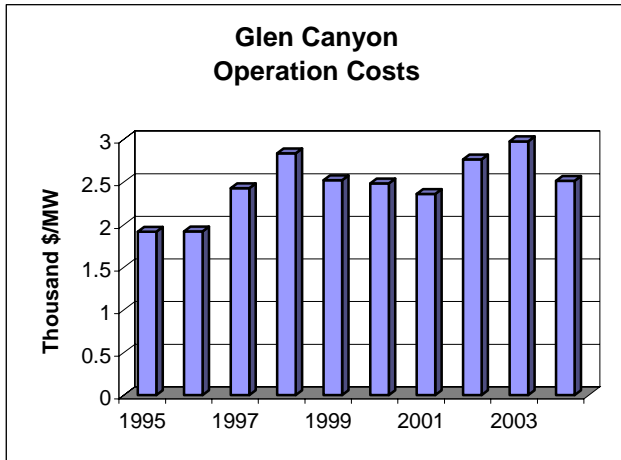
**Benchmark 1  
Wholesale Firm Rate**



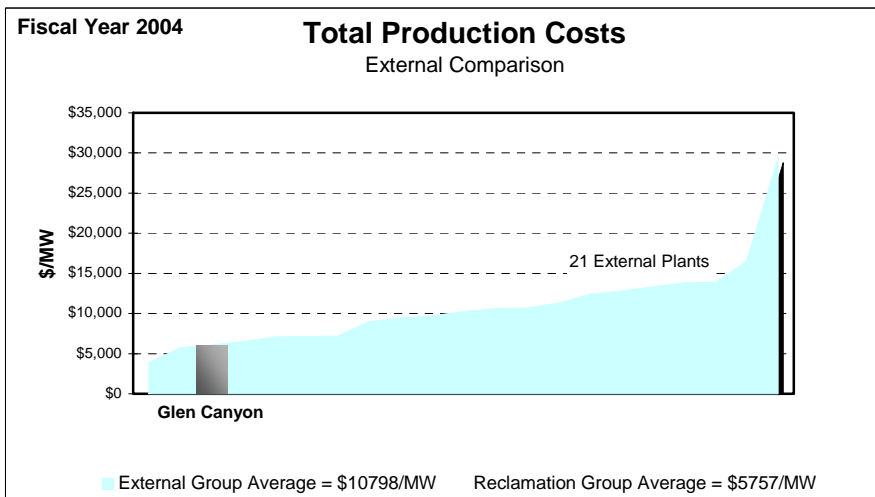
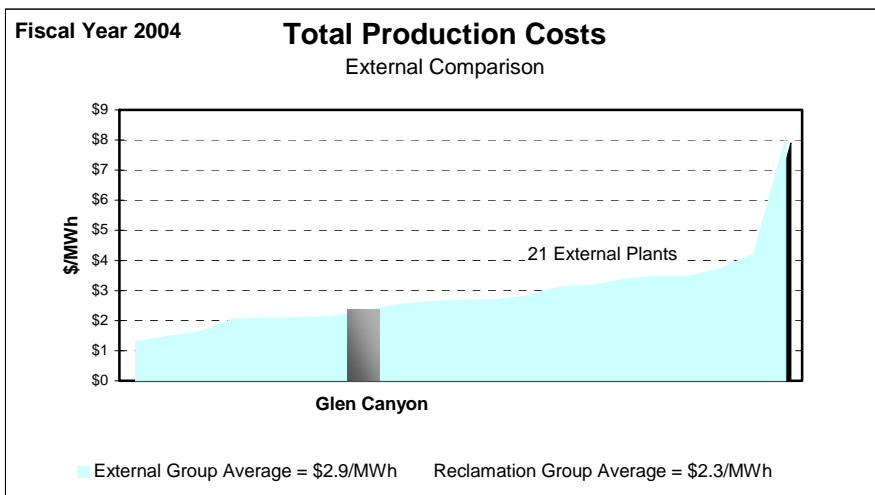
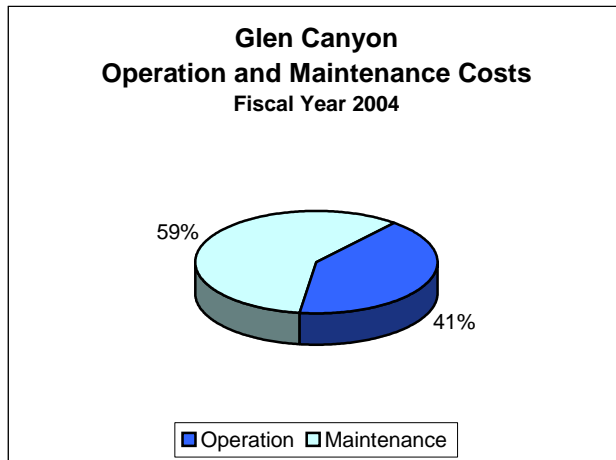
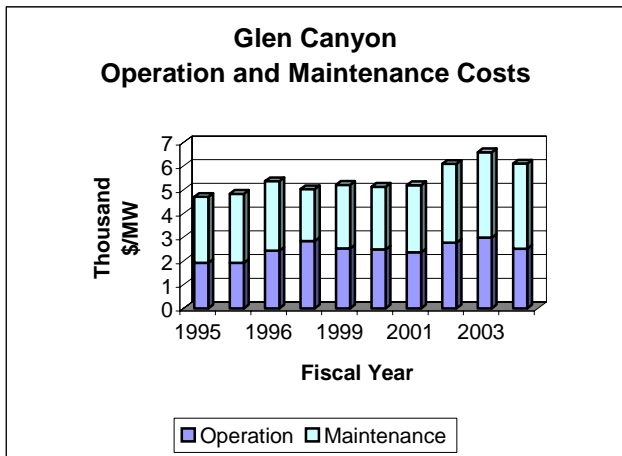
**Benchmark 2  
Reclamation's Production Cost as Percentage of Wholesale Firm Rate**



**Benchmark 3  
Production Cost**

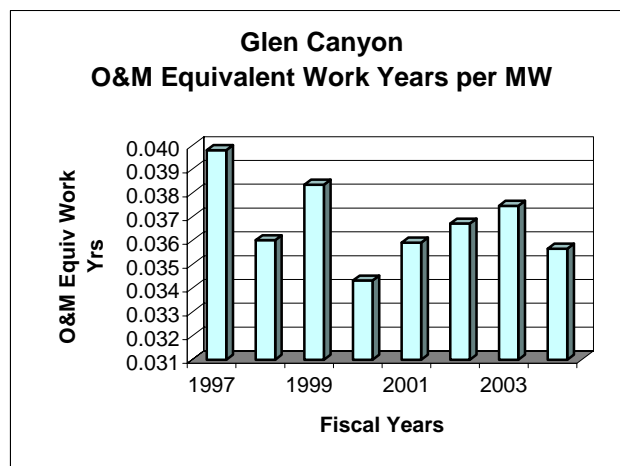
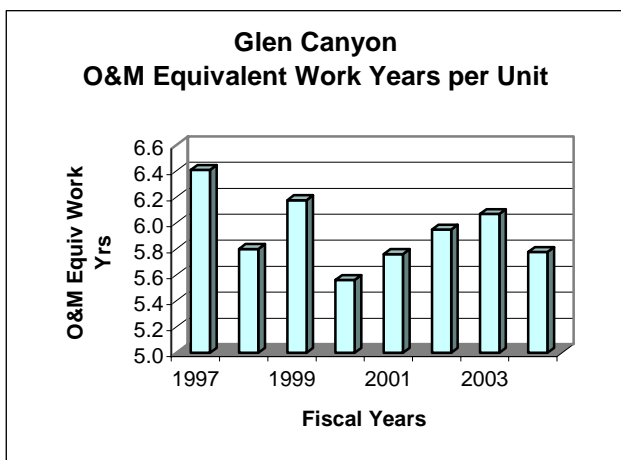
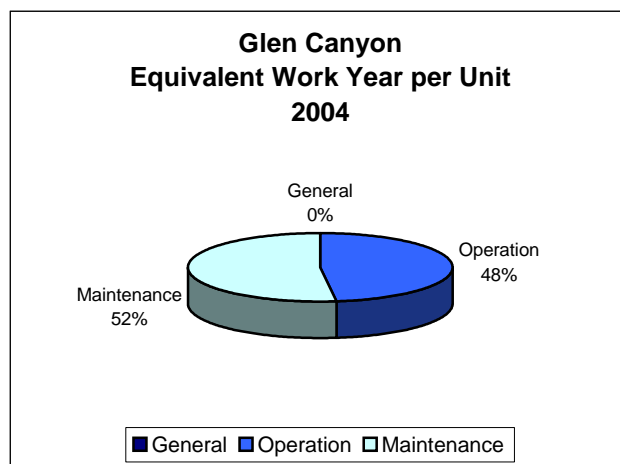
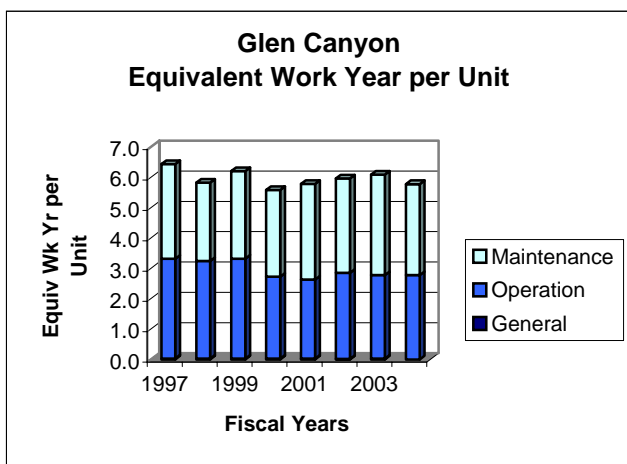


**Benchmark 3  
Production Cost**

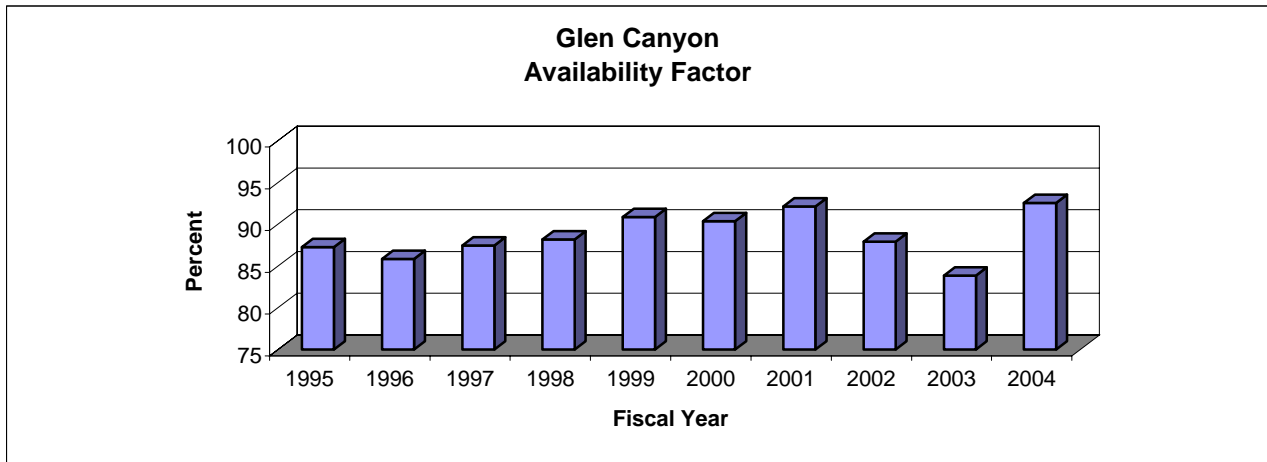


**Benchmark 4  
Workforce Deployment**

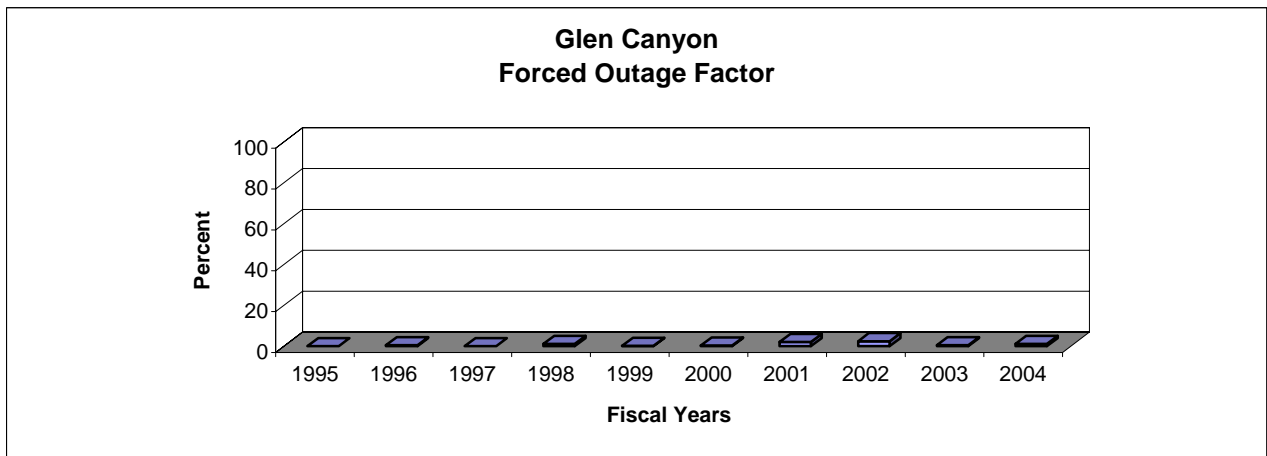
<b>Glen Canyon 2004 Equivalent Work Year Levels</b>						
	<b>Equiv Work Year Charged to Powerplant</b>	<b>Leave Additive</b>	<b>Denver and Washington Equiv Work Year Additive</b>	<b>Total Equiv Work Year Allocated to Powerplant</b>	<b>Total Equiv Work Year per Generating Unit</b>	<b>Total Equiv Work Year per Megawatt</b>
General	0.00	0.00	0.00	0.00	0.00	0.00
Operation	19.98	2.26	0.00	22.24	2.78	0.02
Maintenance	21.54	2.43	0.00	23.98	3.00	0.02
Total Staffing	41.53	4.69	0.00	46.22	5.78	0.04



**Benchmark 5  
Availability Factor**

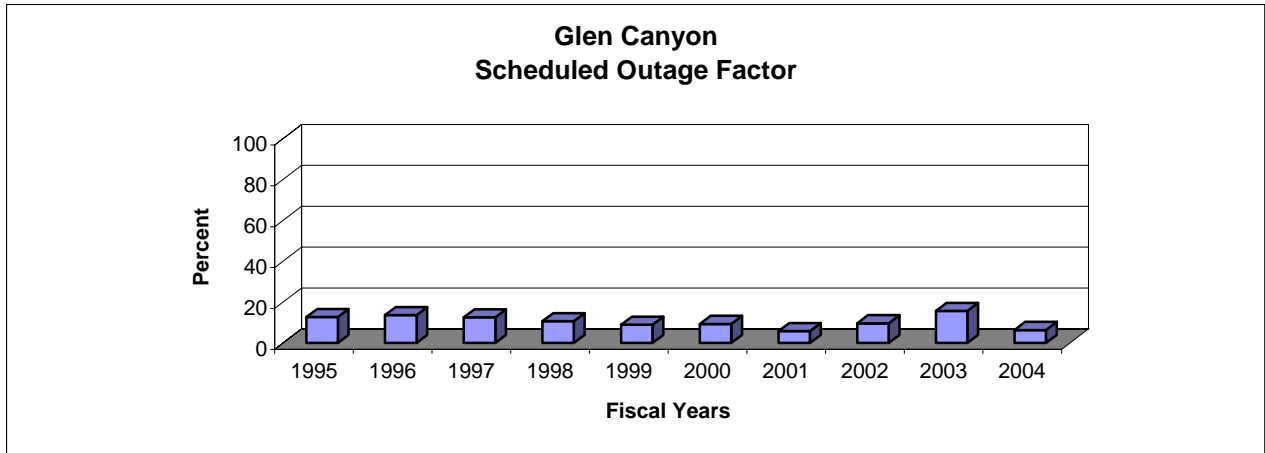


**Benchmark 6  
Forced Outage Factor**

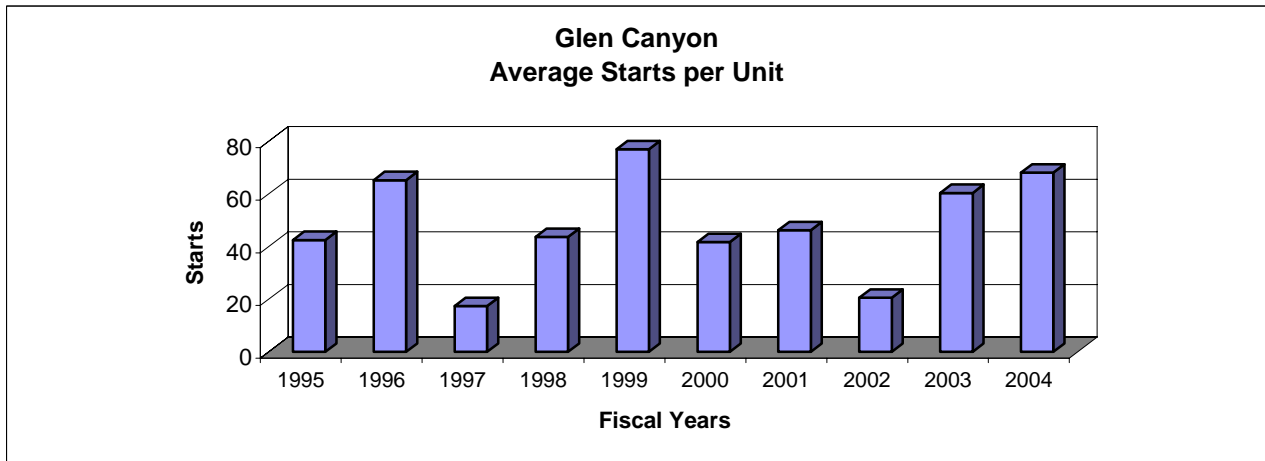


FY-94 - Unit 4 stator and lower guide bearing failure

**Benchmark 7  
Scheduled Outage Factor**



**Starts**





<b>Benchmark Data Comparison</b>					
<b>Fiscal Year 2004</b>	<b>Glen Canyon Powerplant</b>	<b>Reclamation Average 500+ MW Group</b>	<b>Total Reclamation Average</b>	<b>Industry Average</b>	<b>Best Performers</b>
<b>Wholesale Firm Rate Mills/kWh</b>	20.7	Not Applicable	*21.06	Not Available	Not Available
<b>Production Cost as Percentage of Wholesale Firm Rate</b>	9.2%	Not Applicable	13.5%	Not Applicable	Not Applicable
<b>O&amp;M Cost \$/MWh</b>	2.38	1.74	2.77	2.91	1.23
<b>O&amp;M Costs \$/MW</b>	6,104.32	4,684.69	7,316.97	10,798.44	2,951.22
<b>O&amp;M Equip Work Year per MW</b>	0.04	0.02	0.04	Not Available	0.000
<b>Availability Factor</b>	92.6	86.1	86.9	**89.2	99.97
<b>Forced Outage Factor</b>	1.1	0.7	0.7	**1.9	0.00
<b>Scheduled Outage Factor</b>	6.4	13.1	12.4	**8.9	0.02

\*Weighted by Net Generation

\*\*2003 NERC Average