

## Green Springs Powerplant Rogue River Project

### Ancillary Services

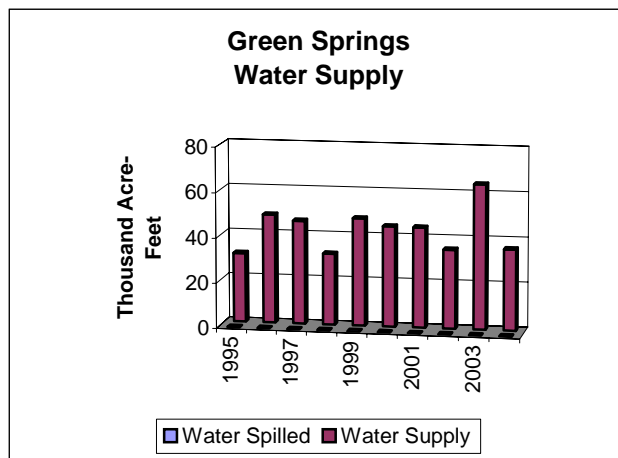
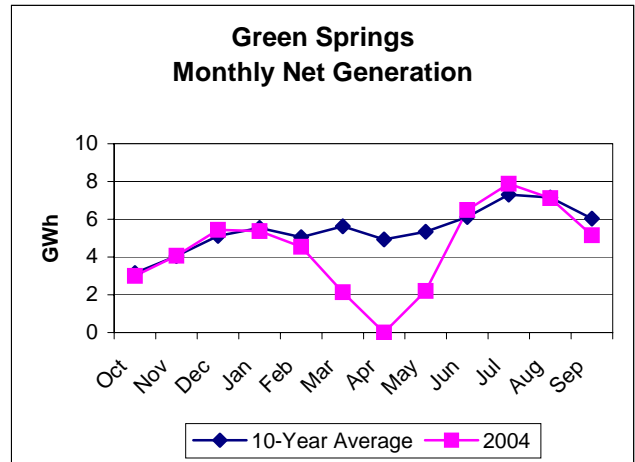
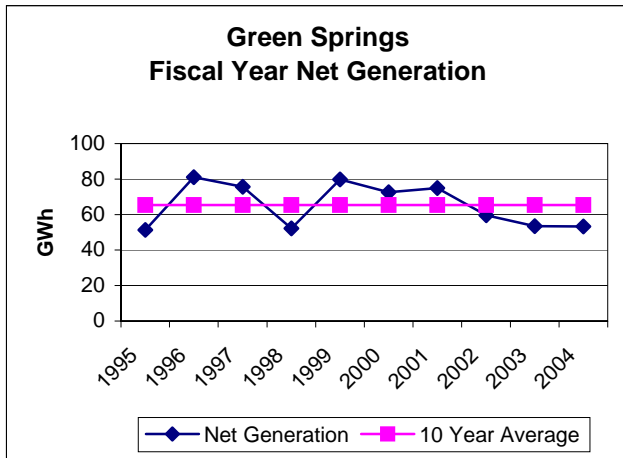
<b>Green Springs Ancillary Services</b>	
Spinning Reserve	Yes
Non-Spinning Reserve	Yes
Replacement Reserve	Yes
Regulation/Load Following	Yes
Black Start	Yes
Voltage Support	Yes

### Generators

<b>Green Springs Generators</b>			
Existing Number and Capacity			
Unit #	Original Nameplate (kW)	Increased (kW)	Present Nameplate (kW)
1	16,000	0	16,000
1 Unit	16,000	0	16,000

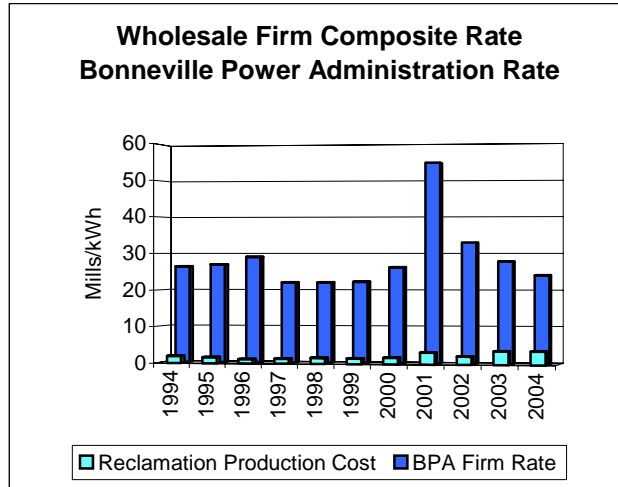
**Green Springs Powerplant  
10-30 MW**

**Generation**

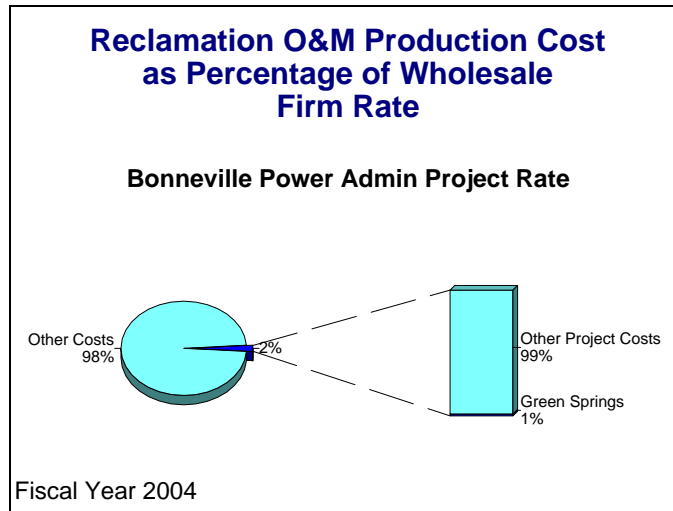


**Prime Laboratory Benchmarks**

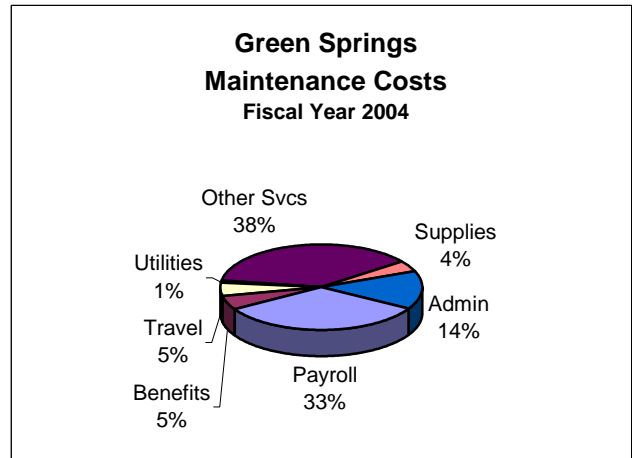
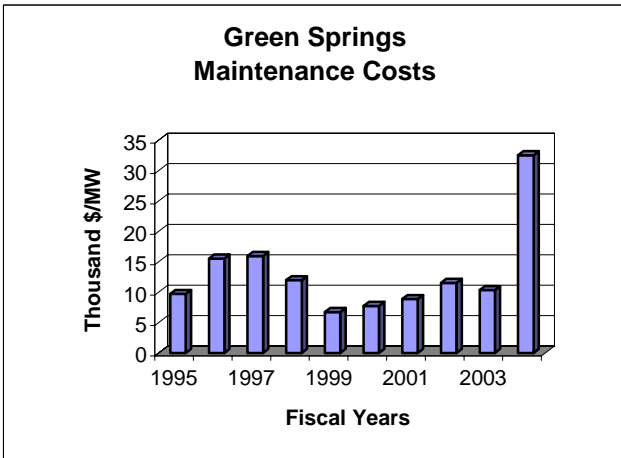
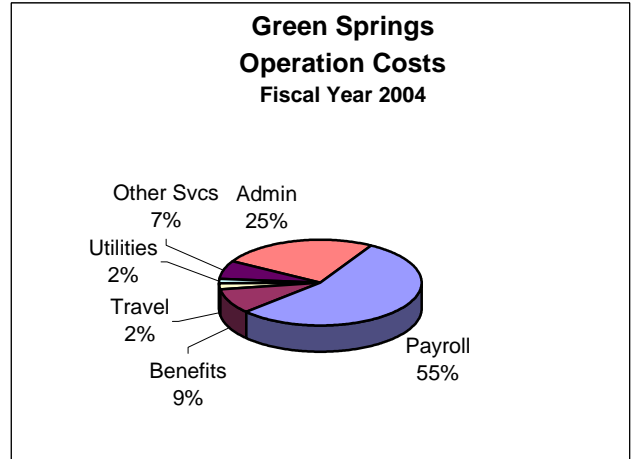
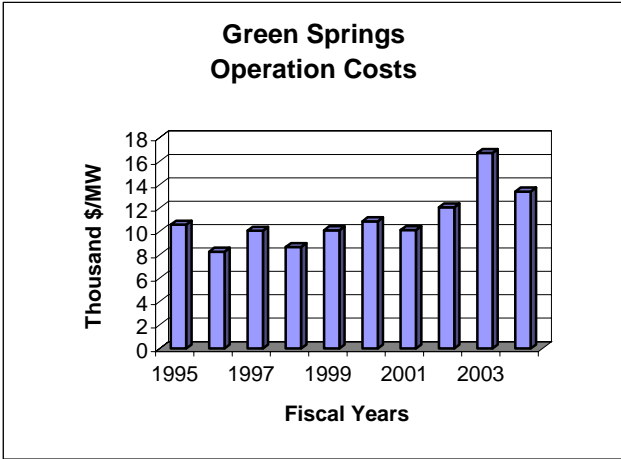
**Benchmark 1  
Wholesale Firm Rate**



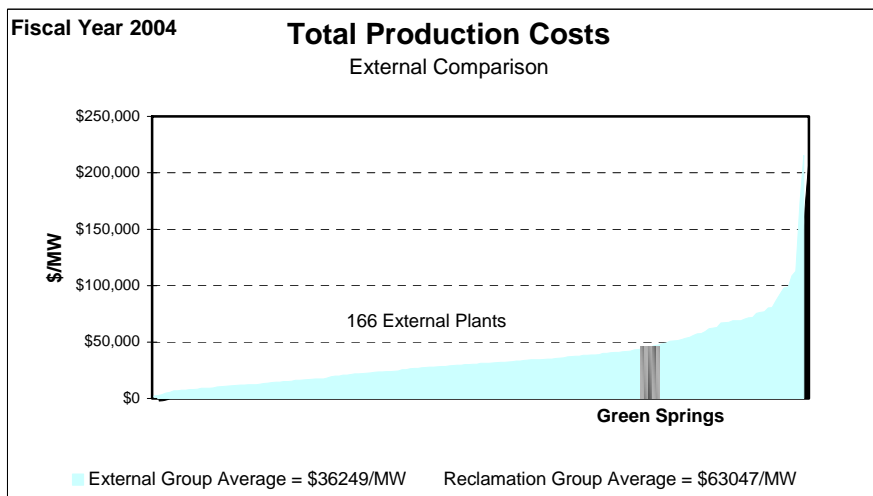
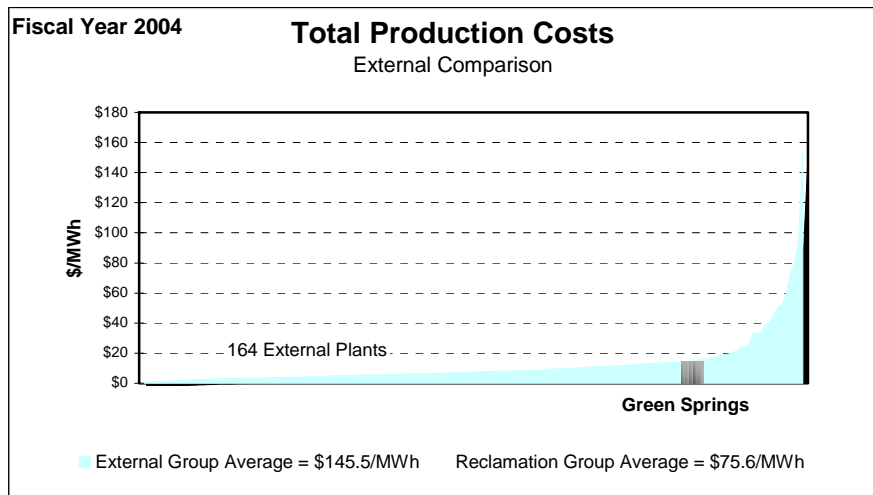
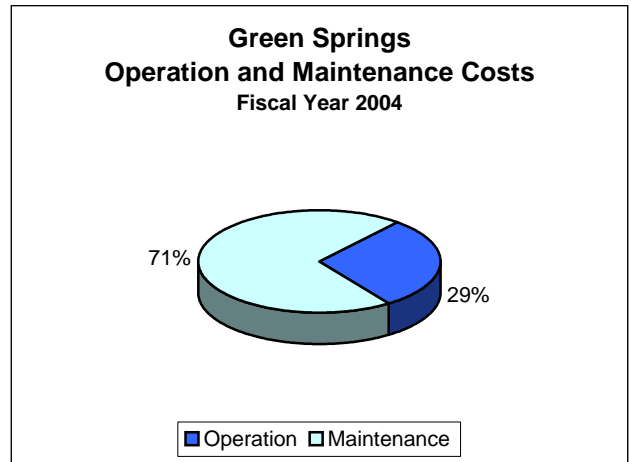
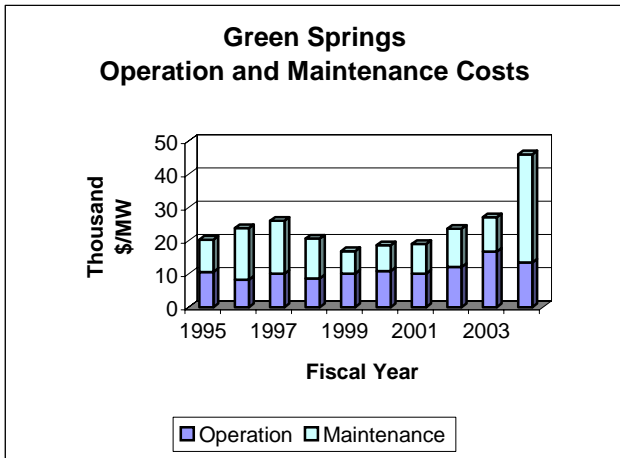
**Benchmark 2  
Reclamation's Production Costs as Percentage of Wholesale Firm Rate**



**Benchmark 3  
Production Cost**

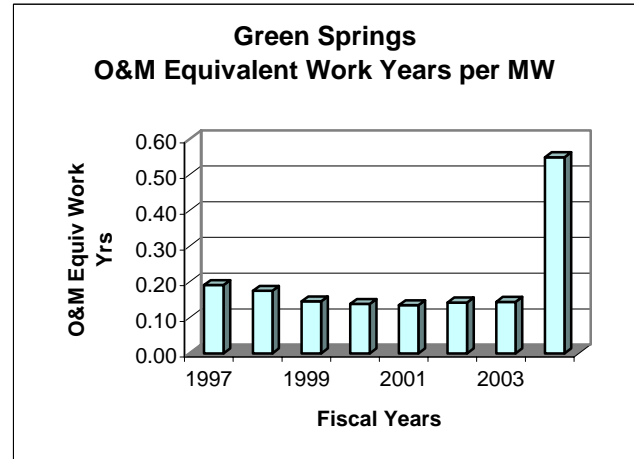
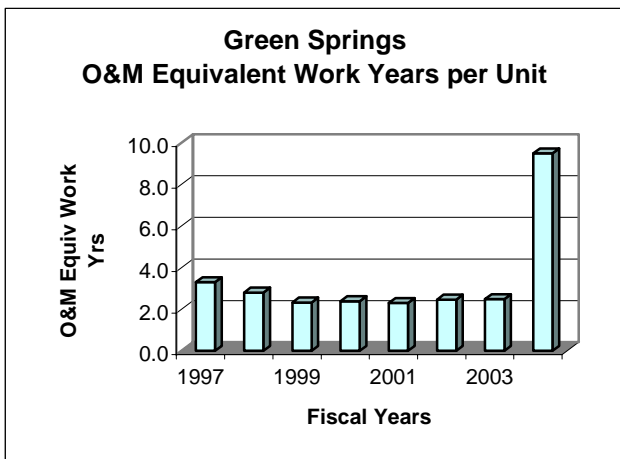
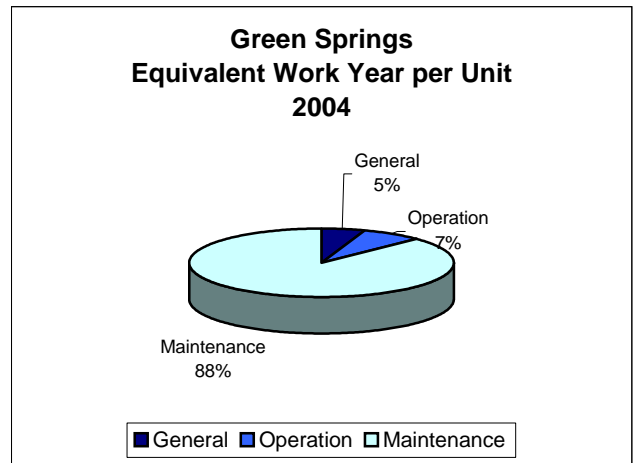
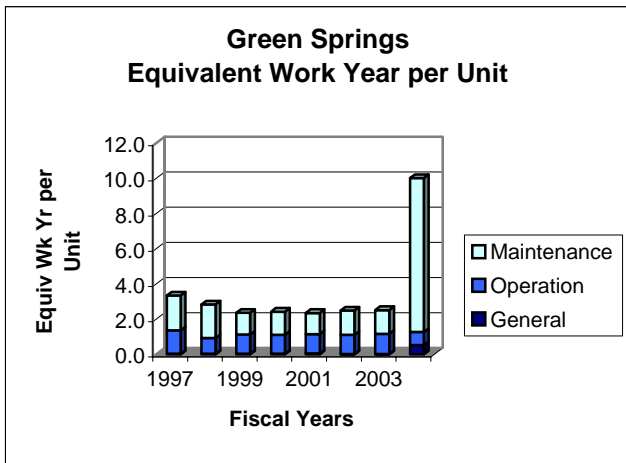


**Benchmark 3  
Production Cost**

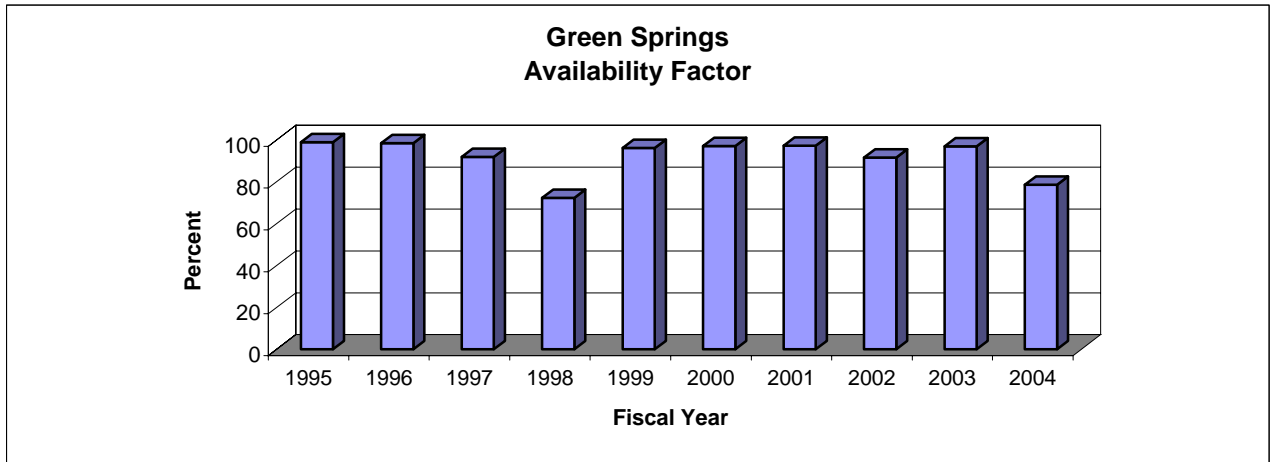


Benchmark 4  
Workforce Deployment

Green Springs 2004 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	0.45	0.05	0.02	0.52	0.52	0.03
Operation	0.68	0.07	0.00	0.75	0.75	0.04
Maintenance	7.91	0.84	0.00	8.74	8.74	0.51
Total Staffing	9.04	0.96	0.02	10.01	10.01	0.58

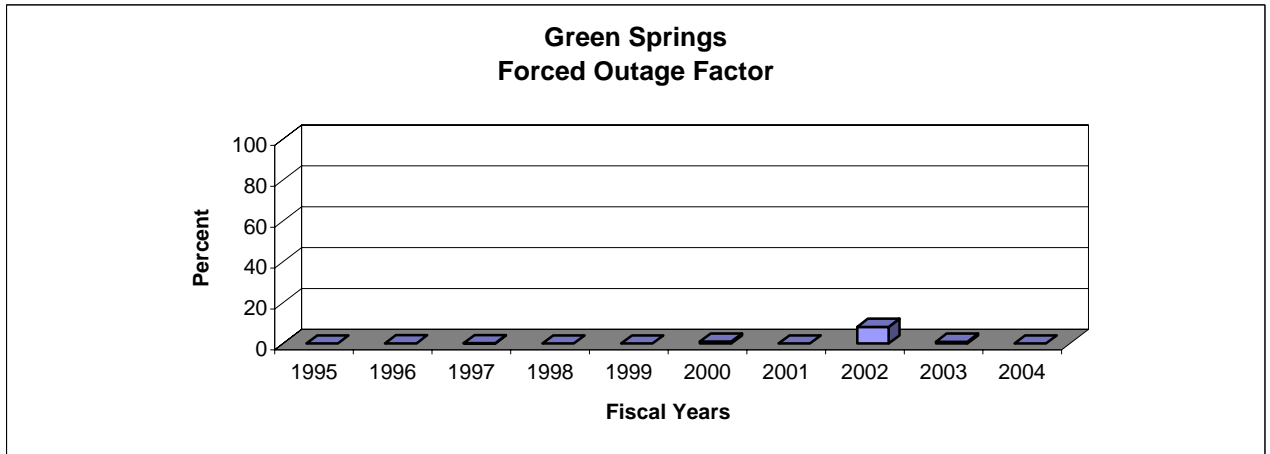


**Benchmark 5  
Availability Factor**

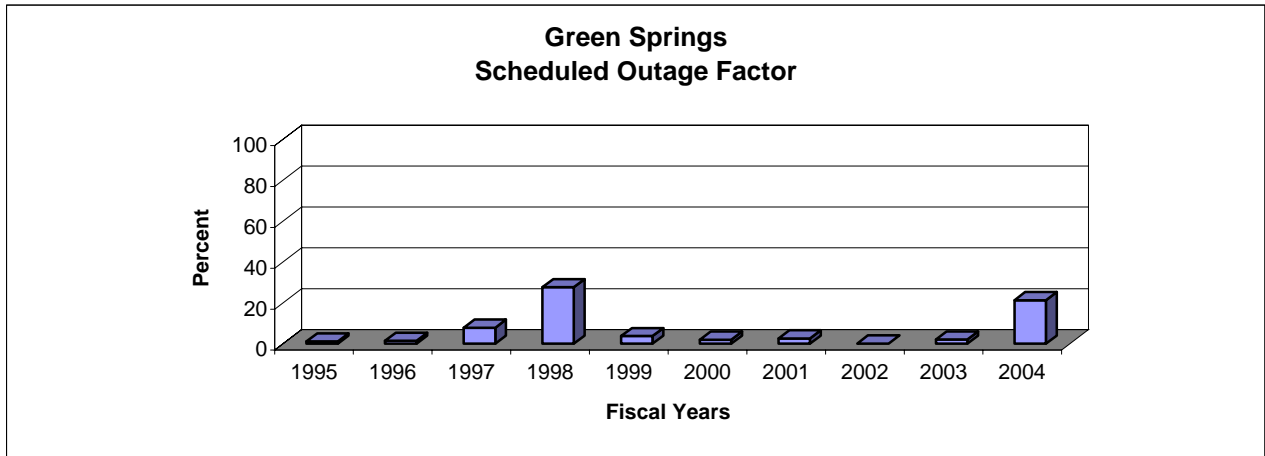


FY-94 unit rewind

**Benchmark 6  
Forced Outage Factor**

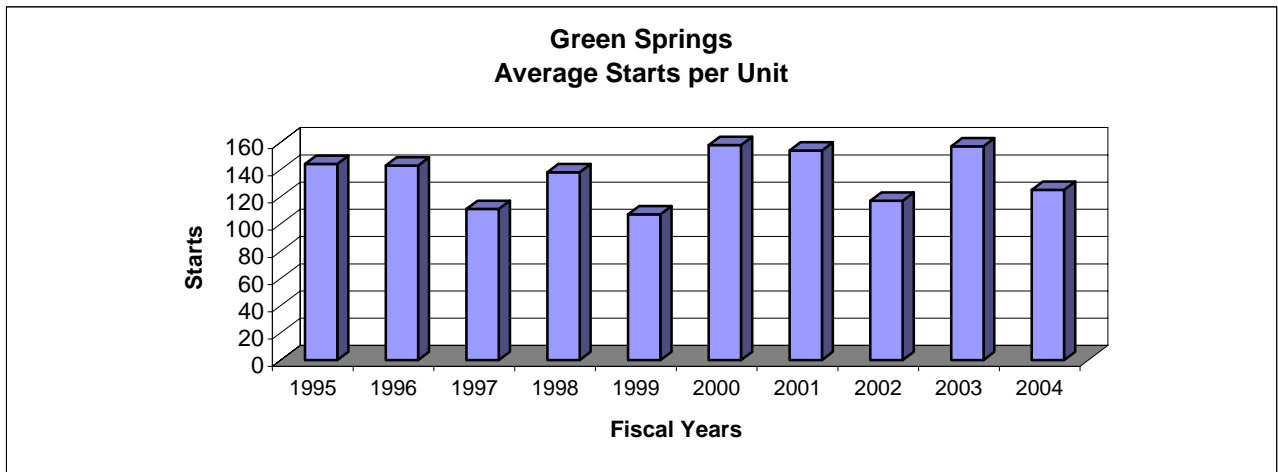


**Benchmark 7  
Scheduled Outage Factor**



FY-94 unit rewind

**Starts**





**Green Springs Powerplant  
10-30 MW**

<b>Benchmark Data Comparison</b>					
<b>Fiscal Year 2004</b>	<b>Green Springs Powerplant</b>	<b>Reclamation Average 10-30 MW Group</b>	<b>Total Reclamation Average</b>	<b>Industry Average</b>	<b>Best Performers</b>
<b>Wholesale Firm Rate Mills/kWh</b>	27.7	Not Applicable	*21.06	Not Available	Not Available
<b>Production Cost as Percentage of Wholesale Firm Rate</b>	0.03%	Not Applicable	13.5%	Not Applicable	Not Applicable
<b>O&amp;M Cost \$/MWh</b>	14.88	24.61	2.77	145.47	1.23
<b>O&amp;M Costs \$/MW</b>	45,959.83	65,356.27	7,316.97	36,248.69	2,951.22
<b>O&amp;M Equip Work Year per MW</b>	0.55	0.33	0.04	Not Available	0.00
<b>Availability Factor</b>	78.6	71.0	86.9	**89.2	99.97
<b>Forced Outage Factor</b>	0.1	0.1	0.7	**1.9	0.00
<b>Scheduled Outage Factor</b>	21.3	28.9	12.4	**8.9	0.02

\*Weighted by Net Generation

\*\*2003 NERC Average