

## **Parker Powerplant Parker-Davis Project**

### **Ancillary Services**

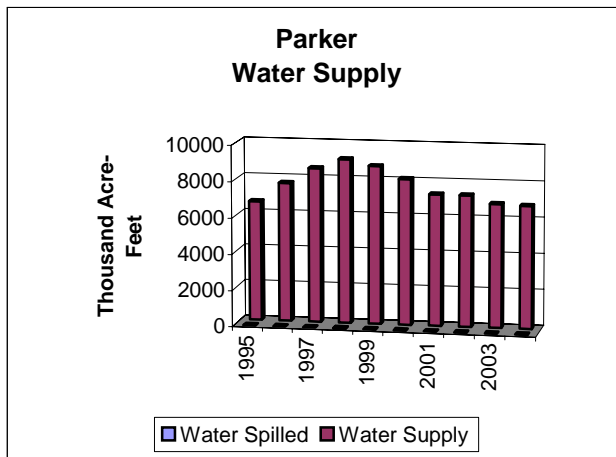
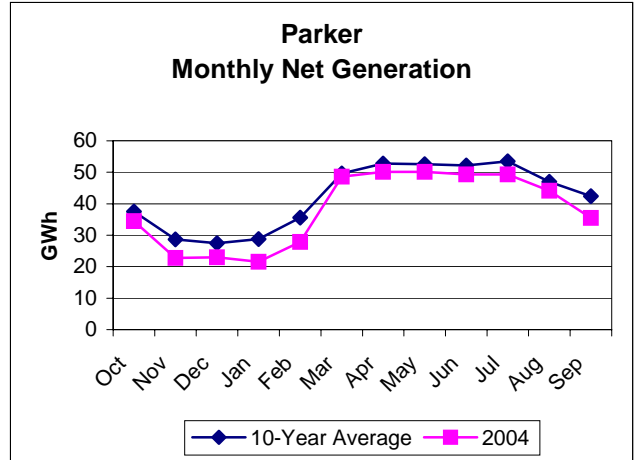
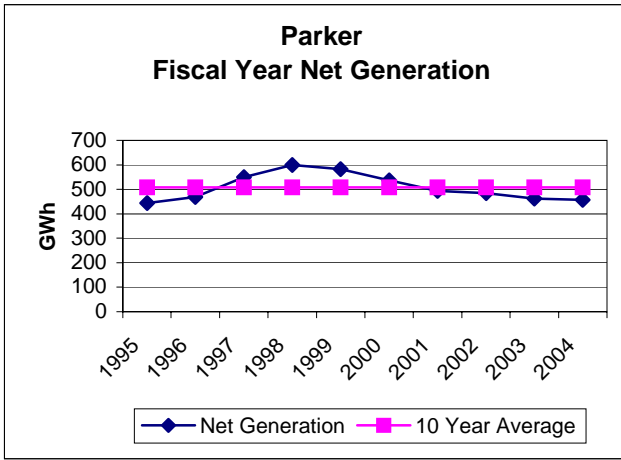
<b>Parker Ancillary Services</b>	
Spinning Reserve	Yes
Non-Spinning Reserve	Yes
Replacement Reserve	Yes
Regulation/Load Following	No
Black Start	No
Voltage Support	Yes

### **Generators**

<b>Parker Generators</b> Existing Number and Capacity			
<b>Unit #</b>	<b>Original Nameplate (kW)</b>	<b>Increased (kW)</b>	<b>Present Nameplate (kW)</b>
1	30,000	0	30,000
2	30,000	0	30,000
3	30,000	0	30,000
4	30,000	0	30,000
4 Units	120,000	0	120,000

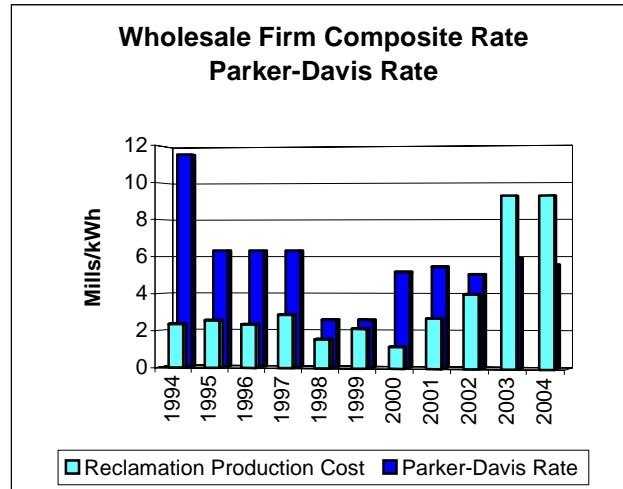
**Parker Powerplant  
100-500 MW**

**Generation**

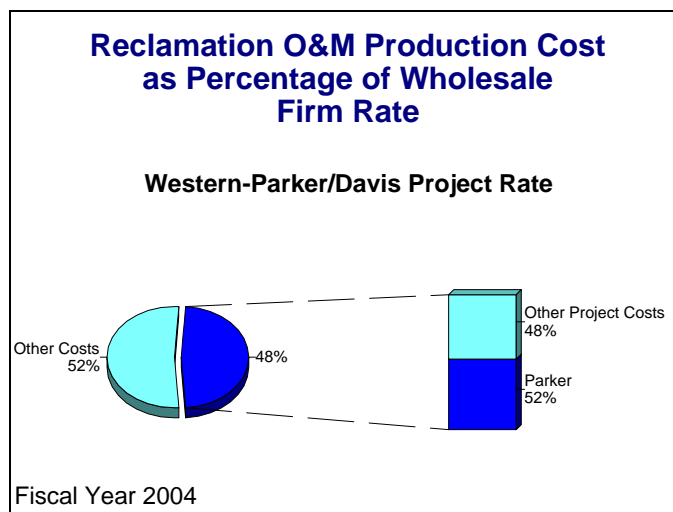


**Prime Laboratory Benchmarks**

**Benchmark 1  
Wholesale Firm Rate**

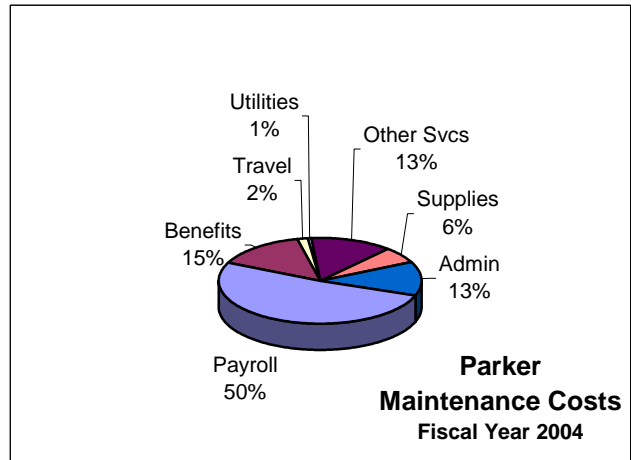
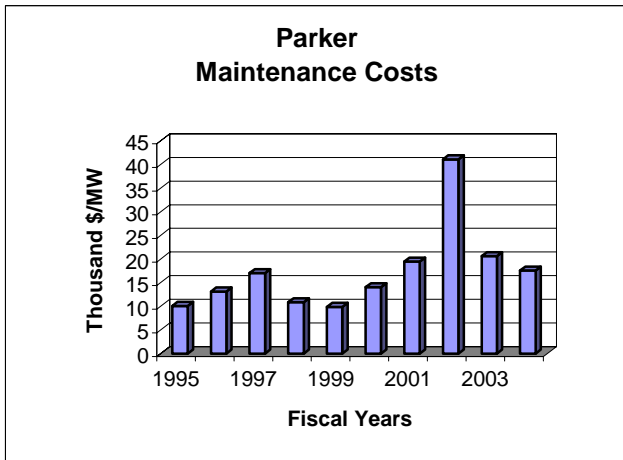
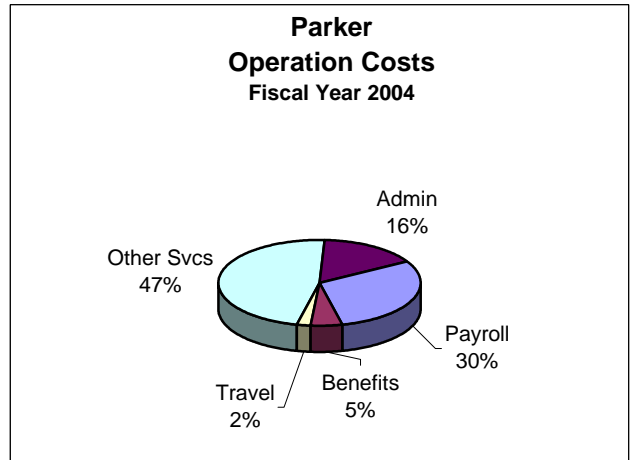
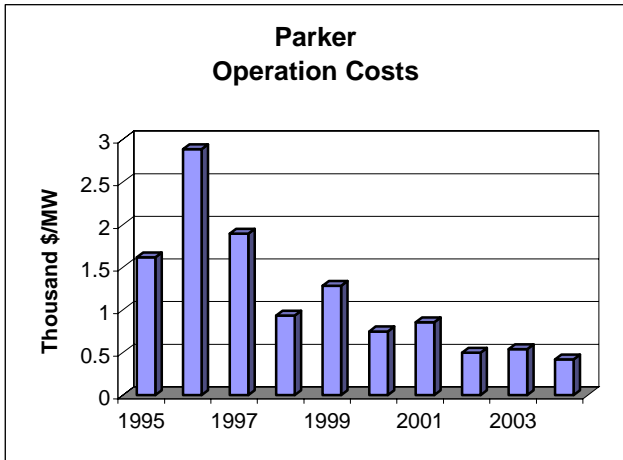


**Benchmark 2  
Reclamation's Production Cost as Percentage of Wholesale Firm Rate**

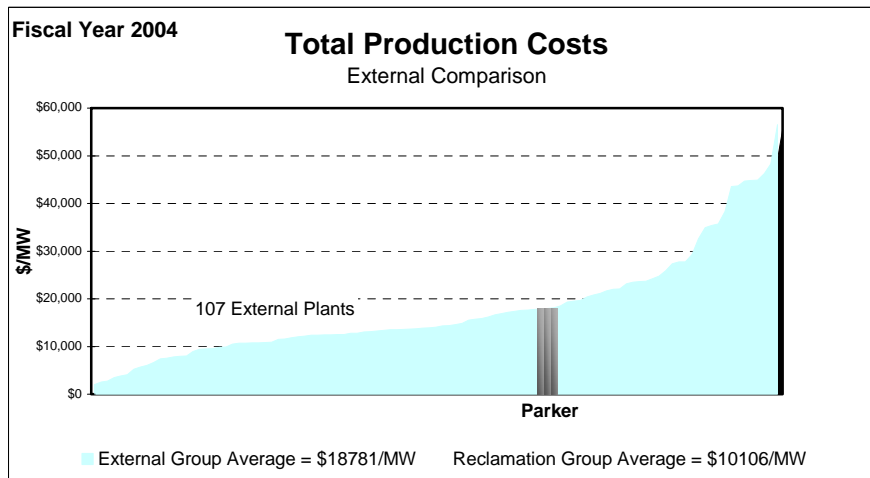
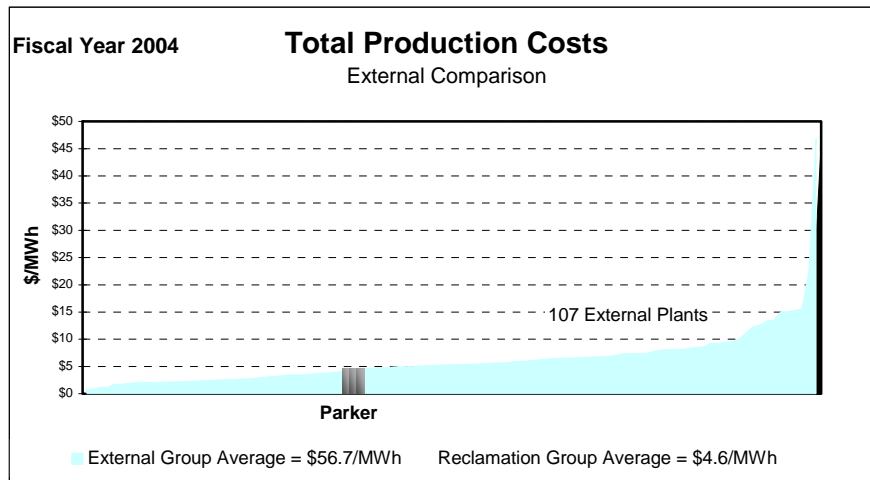
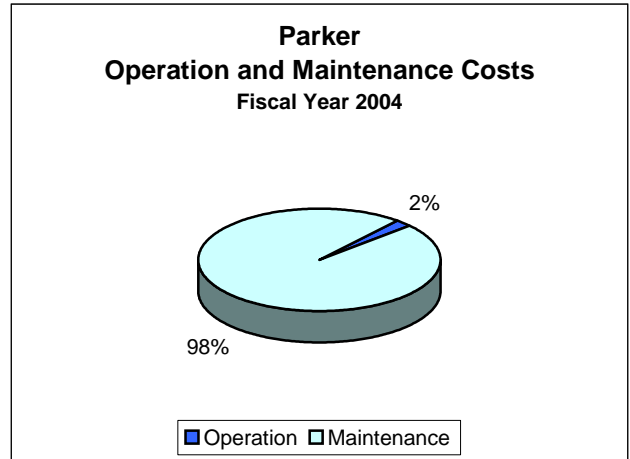
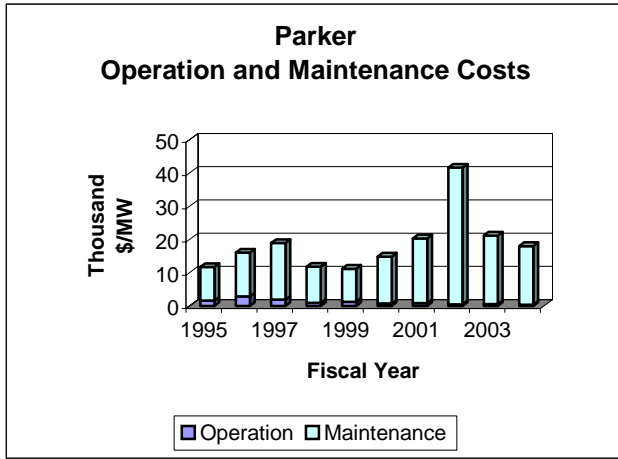


Reclamation expenses, as a percentage of the rate, do not reflect the total expenditures of this project.

**Benchmark 3  
Production Cost**

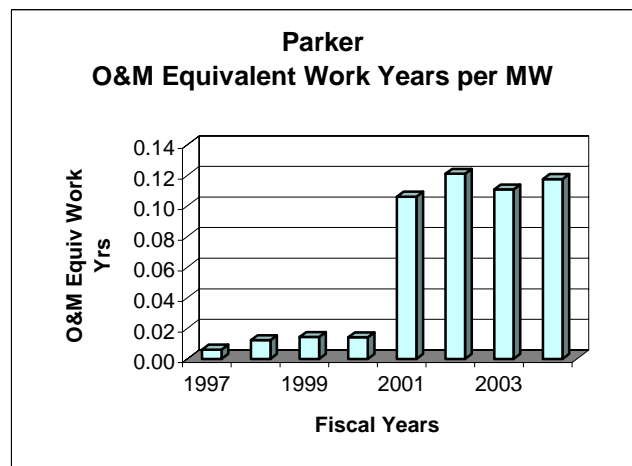
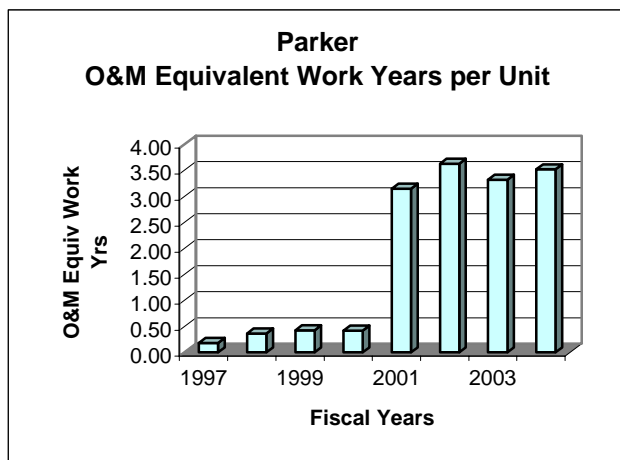
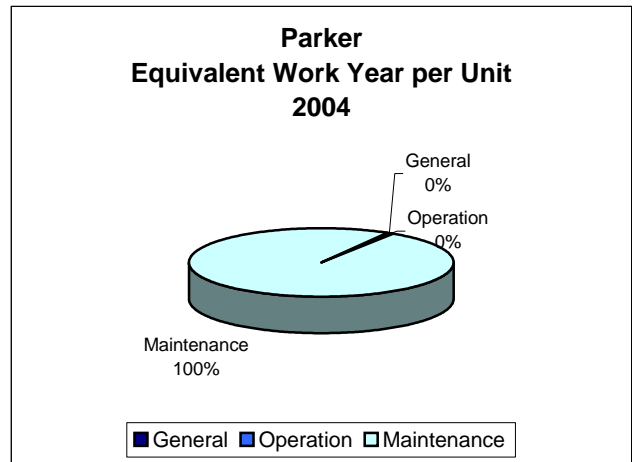
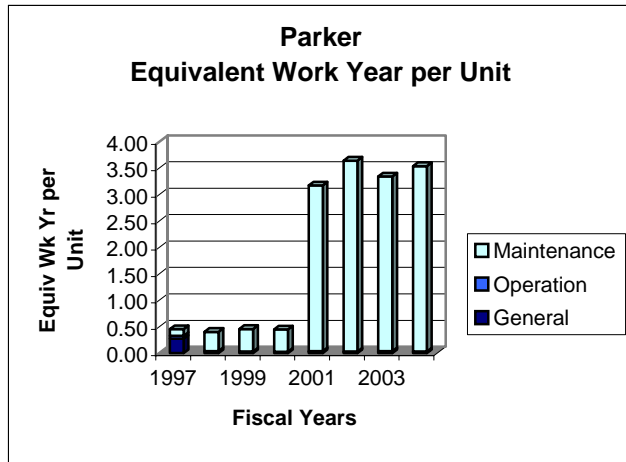


**Benchmark 3  
Production Cost**

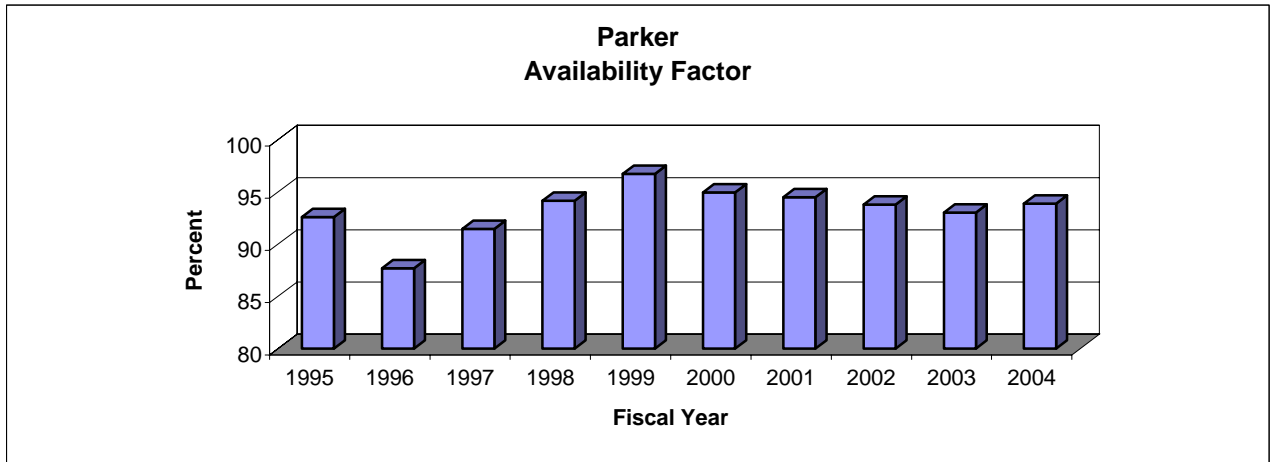


Benchmark 4  
Workforce Deployment

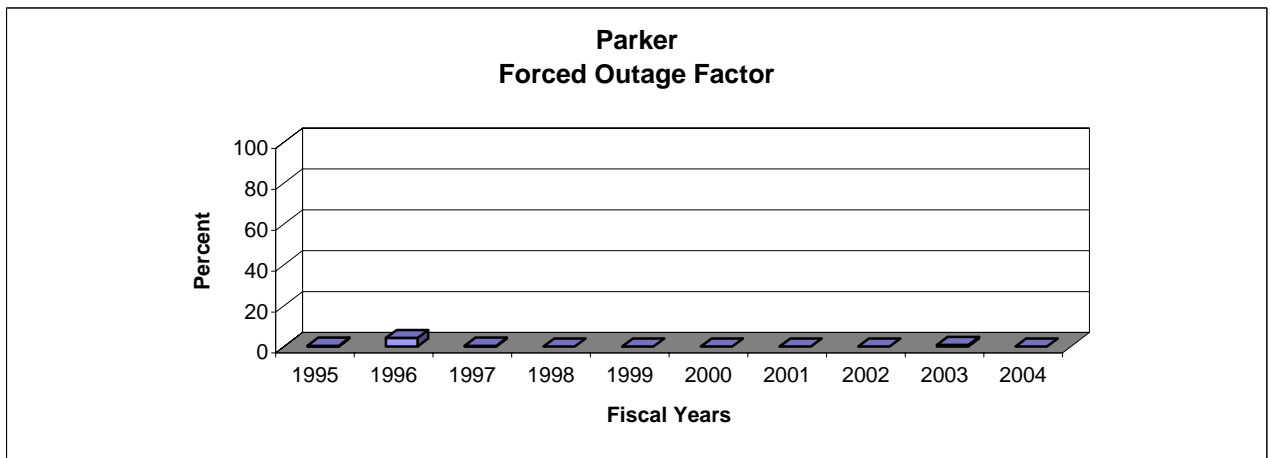
Parker 2004 Equivalent Work Year Levels						
	Equiv Work Year Charged to Powerplant	Leave Additive	Denver and Washington Equiv Work Year Additive	Total Equiv Work Year Allocated to Powerplant	Total Equiv Work Year per Generating Unit	Total Equiv Work Year per Megawatt
General	0.00	0.00	0.07	0.07	0.02	0.00
Operation	0.04	0.00	0.00	0.04	0.01	0.00
Maintenance	12.70	1.35	0.00	14.04	3.51	0.12
Total Staffing	12.74	1.35	0.07	14.16	3.54	0.12



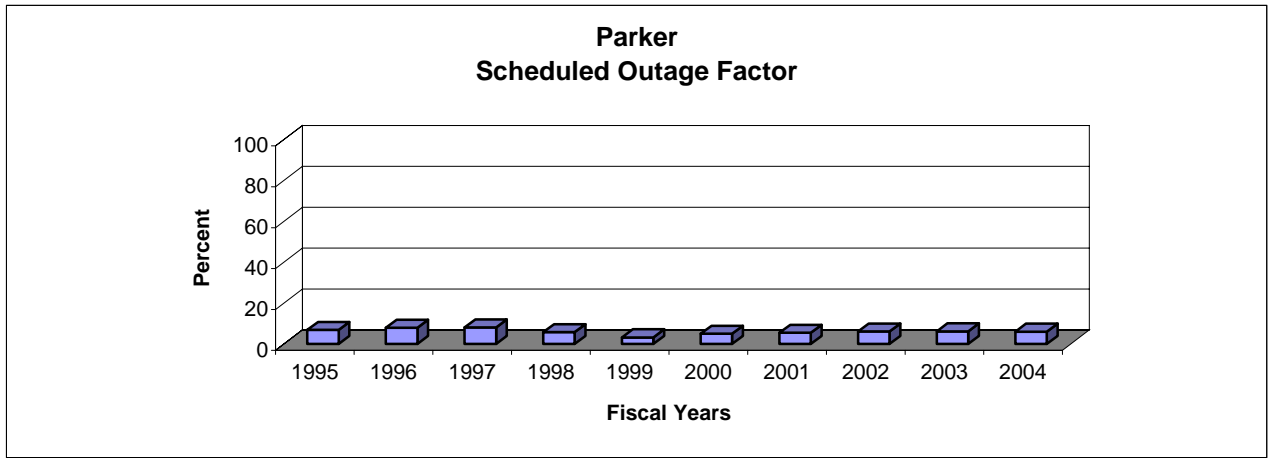
**Benchmark 5  
Availability Factor**



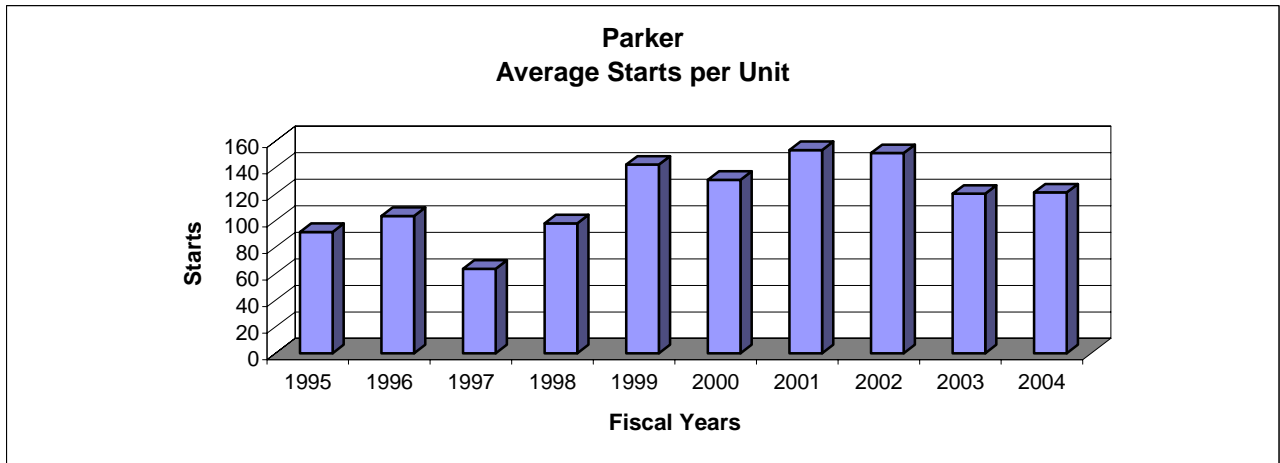
**Benchmark 6  
Forced Outage Factor**



**Benchmark 7  
Scheduled Outage Factor**



**Starts**





**Parker Powerplant  
100-500 MW**

<b>Benchmark Data Comparison</b>					
<b>Fiscal Year 2004</b>	<b>Parker Powerplant</b>	<b>Reclamation Average 100-500 MW Group</b>	<b>Total Reclamation Average</b>	<b>Industry Average</b>	<b>Best Performers</b>
<b>Wholesale Firm Rate Mills/kWh</b>	5.9	Not Applicable	*21.06	Not Available	Not Available
<b>Production Cost as Percentage of Wholesale Firm Rate</b>	25.3%	Not Applicable	13.5%	Not Applicable	Not Applicable
<b>O&amp;M Cost \$/MWh</b>	4.73	3.59	2.77	56.68	1.23
<b>O&amp;M Costs \$/MW</b>	17,992.20	8,960.28	7,316.97	18,781.34	2,951.22
<b>O&amp;M Equip Work Year per MW</b>	0.12	0.05	0.04	Not Available	0.000
<b>Availability Factor</b>	93.9	91.0	86.9	**89.2	99.97
<b>Forced Outage Factor</b>	0.0	0.6	0.7	**1.9	0.00
<b>Scheduled Outage Factor</b>	6.1	8.4	12.4	**8.9	0.02

\*Weighted by Net Generation

\*\*2003 NERC Average