

## Nimbus Powerplant Central Valley Project

### Ancillary Services

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

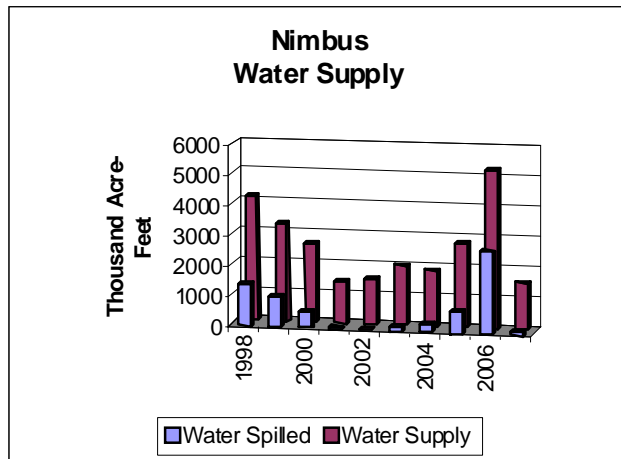
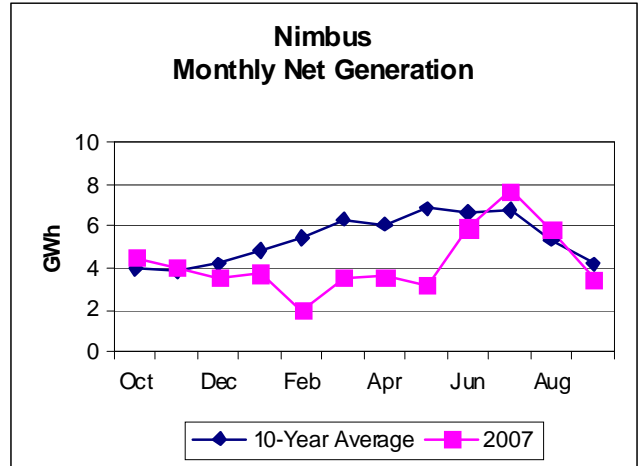
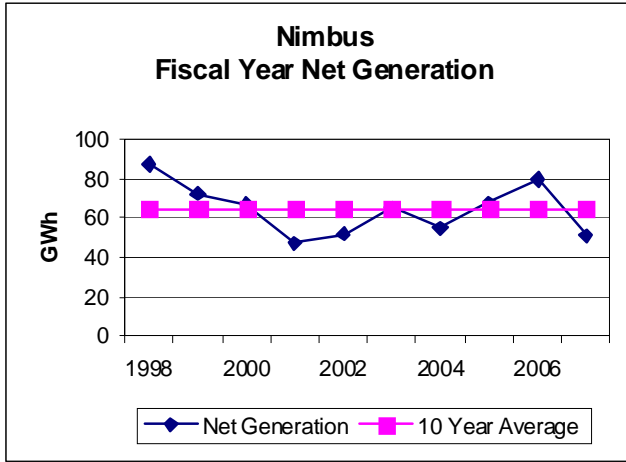
### Generators

<b>Nimbus Generators</b>			
Existing Number and Capacity			
Unit #	Original Capacity (kW)	Capacity Increased (kW)	Present Capacity (kW)
1	6,750	-	6,750
2	6,750	-	6,750
4 units	13,500	-	13,500

The maximum operational capacity is  
limited to 12,00 kW due to head.

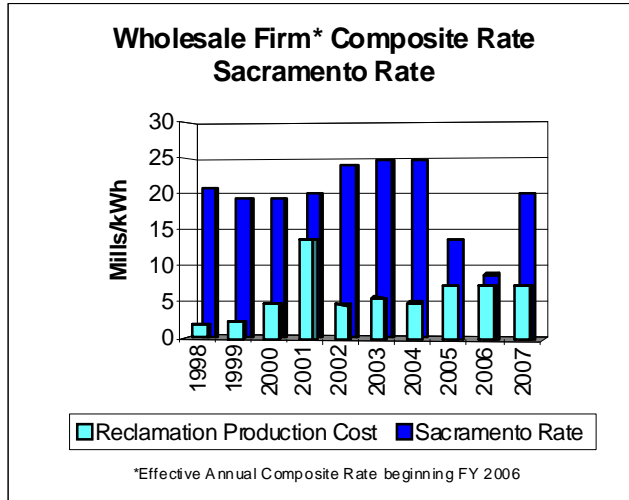
**Nimbus Powerplant  
10-30 Powerplant**

**Generation**

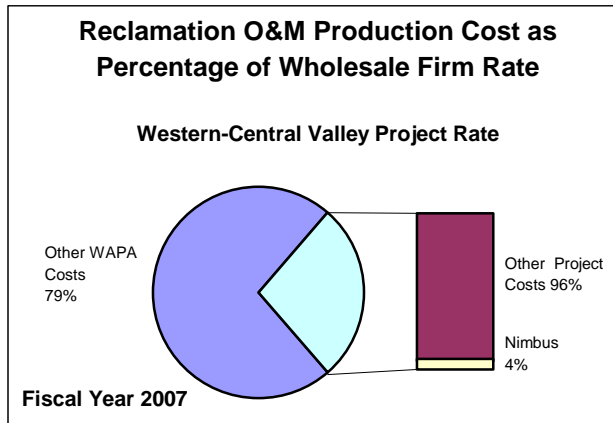


**Prime Laboratory Benchmarks**

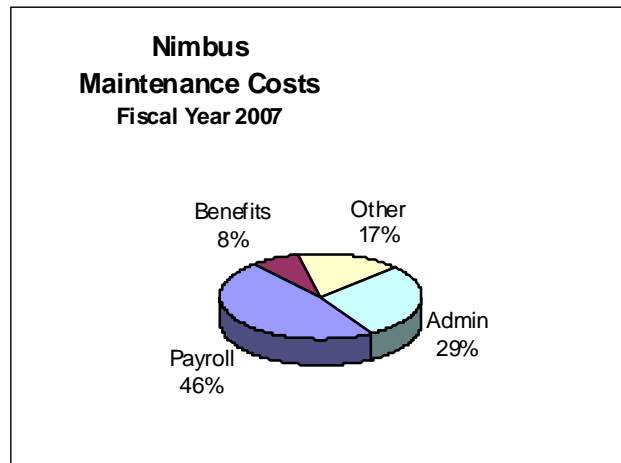
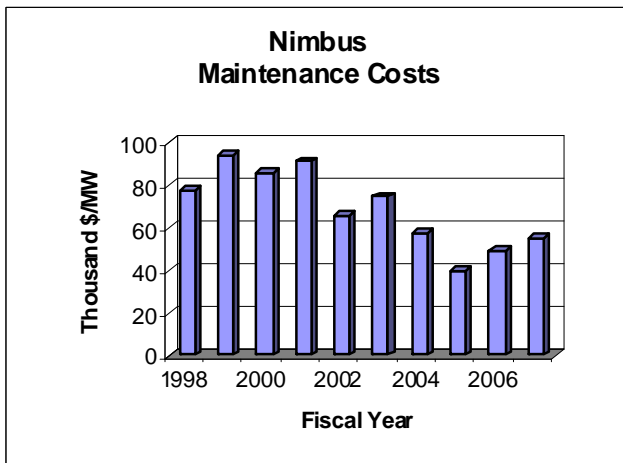
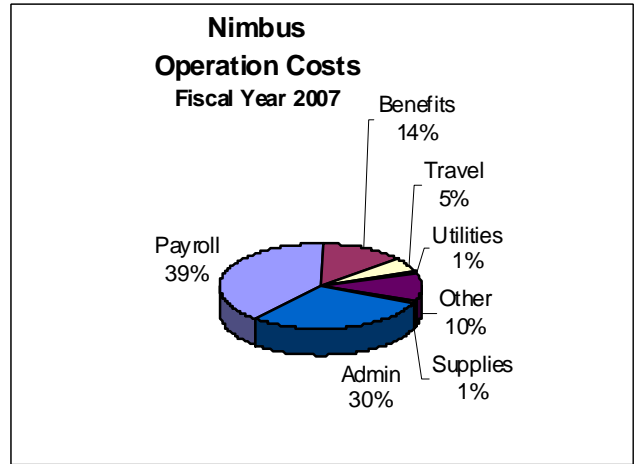
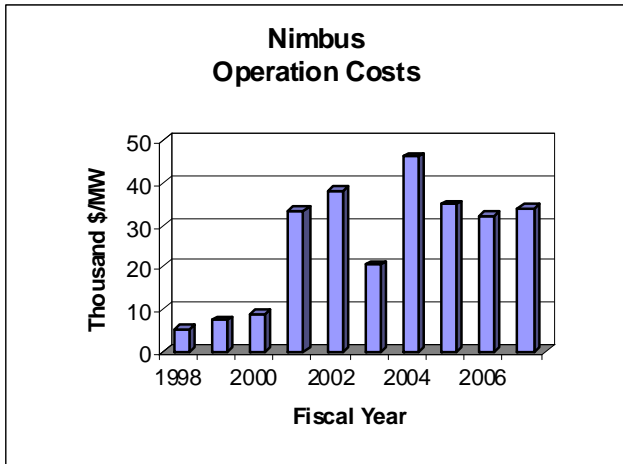
**Benchmark 1  
Wholesale Firm Rate**



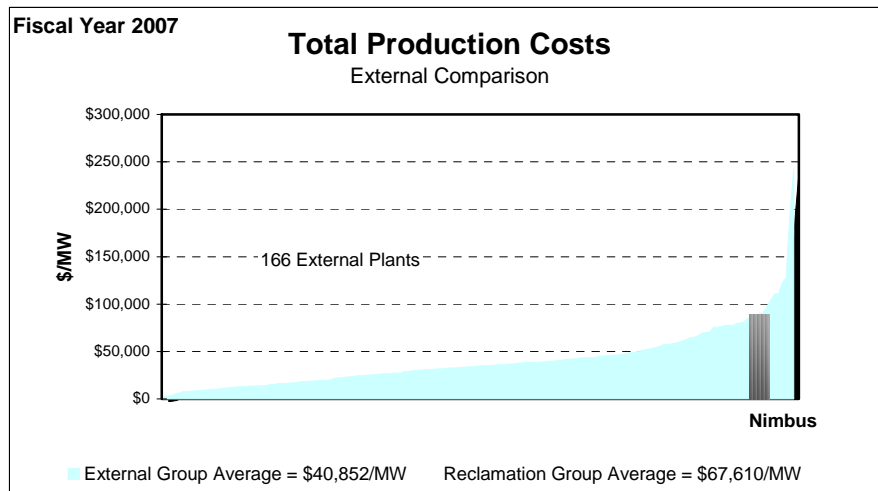
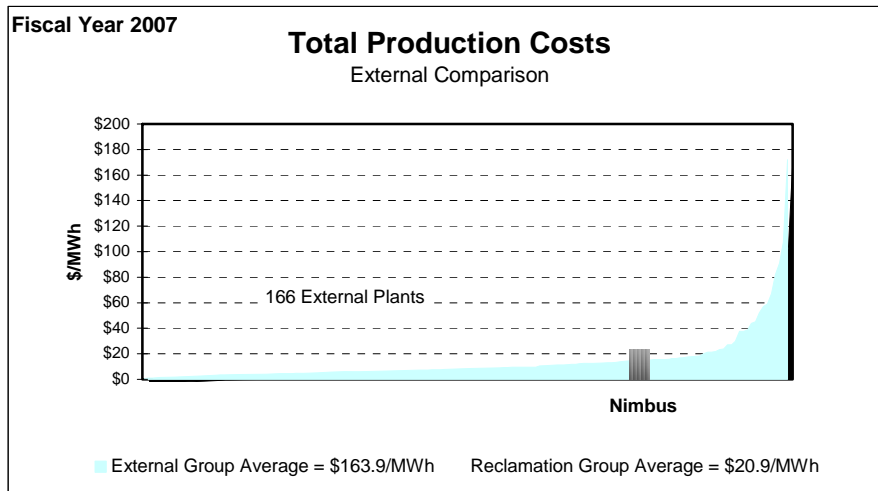
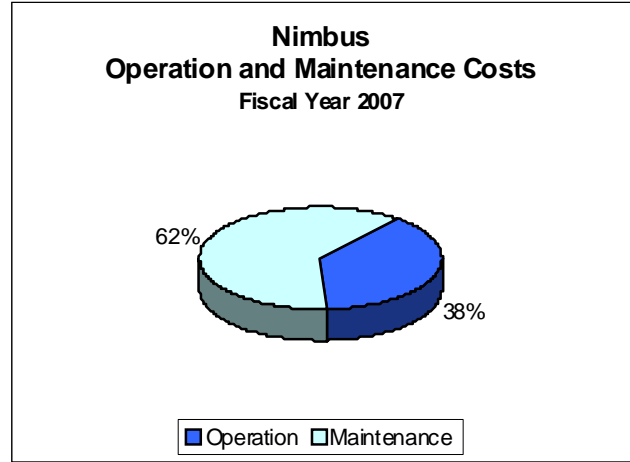
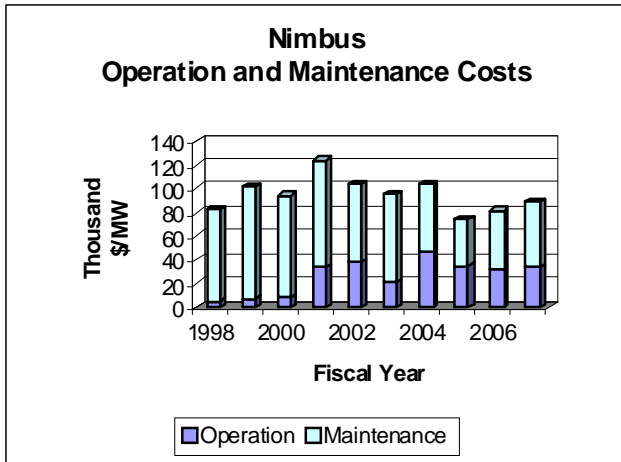
**Benchmark 2  
Reclamation's Production Cost as Percentage of Wholesale Firm Rate**



Benchmark 3  
Production Cost

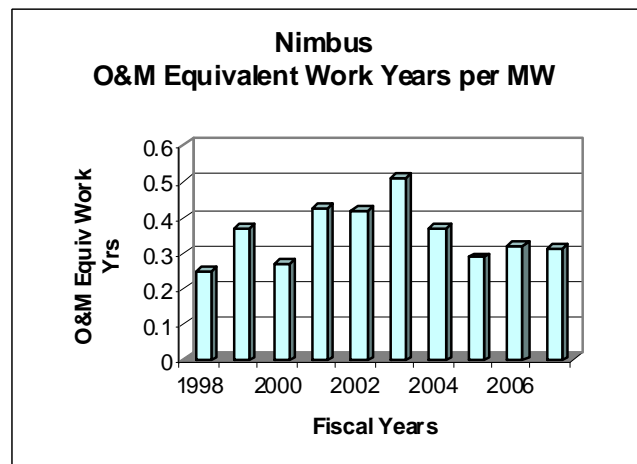
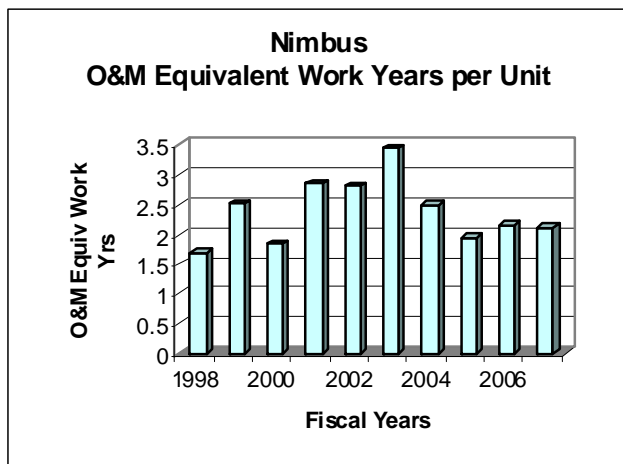
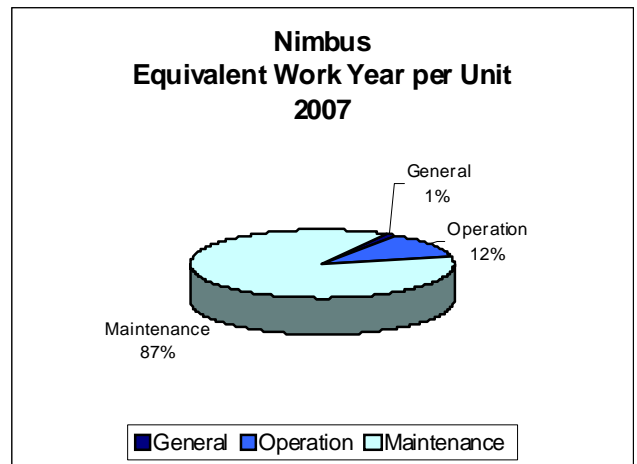
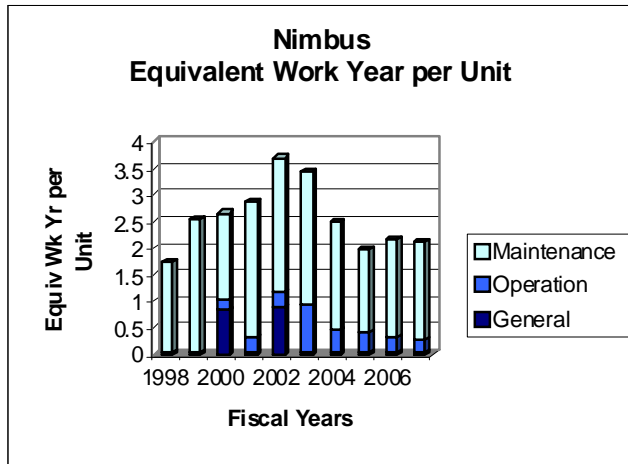


**Benchmark 3  
Production Cost**

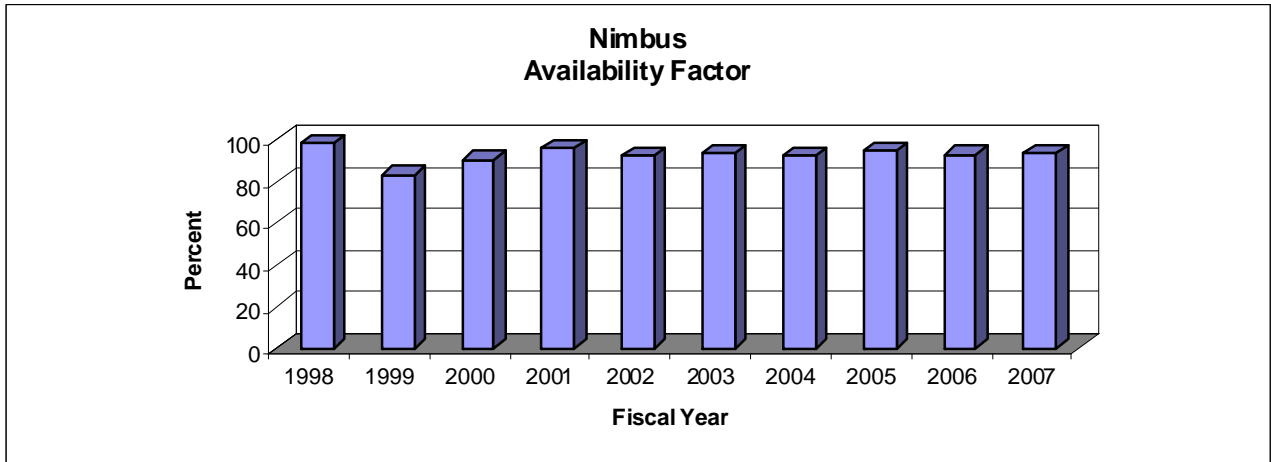


Benchmark 4  
Workforce Deployment

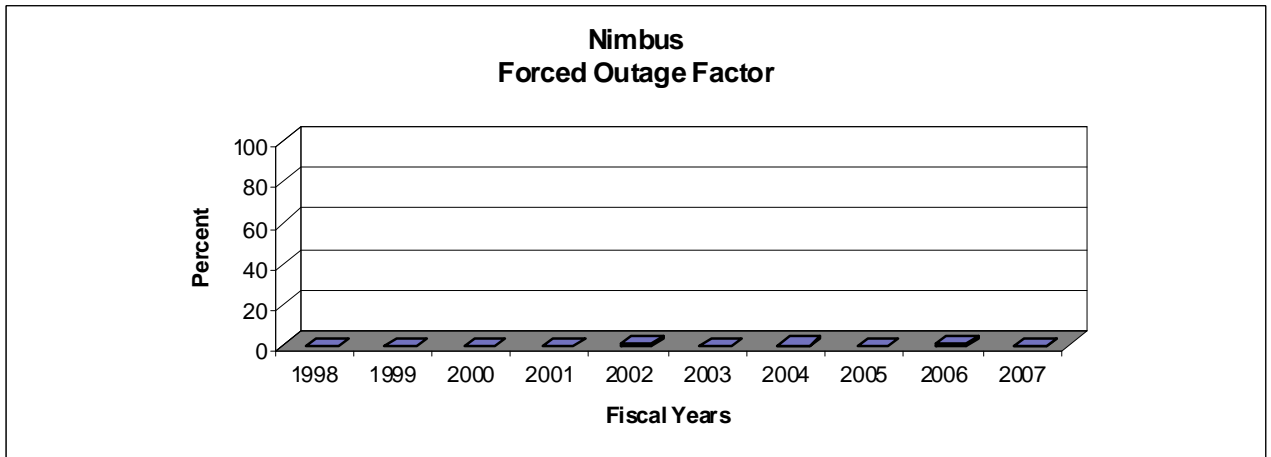
Nimbus FY 2007 Equivalent Work Staffing Year Levels						
	Equivalent Work Year Staffing Charged to Powerplant	Leave Additive	Denver and Washington Equivalent Work Year Staffing Additive	Total Equivalent Work Year Allocated to Powerplant	Total Equivalent Staffing Work Year per Generating Unit	Total Equivalent Work Year Staffing per Megawatt
General	0.00	0.00	0.04	0.04	0.02	0.00
Operation	0.47	0.05	0.00	0.52	0.26	0.04
Maintenance	3.40	0.33	0.00	3.72	1.86	0.28
Total Staffing	3.87	0.37	0.04	4.28	2.14	0.32



**Benchmark 5  
Availability Factor**

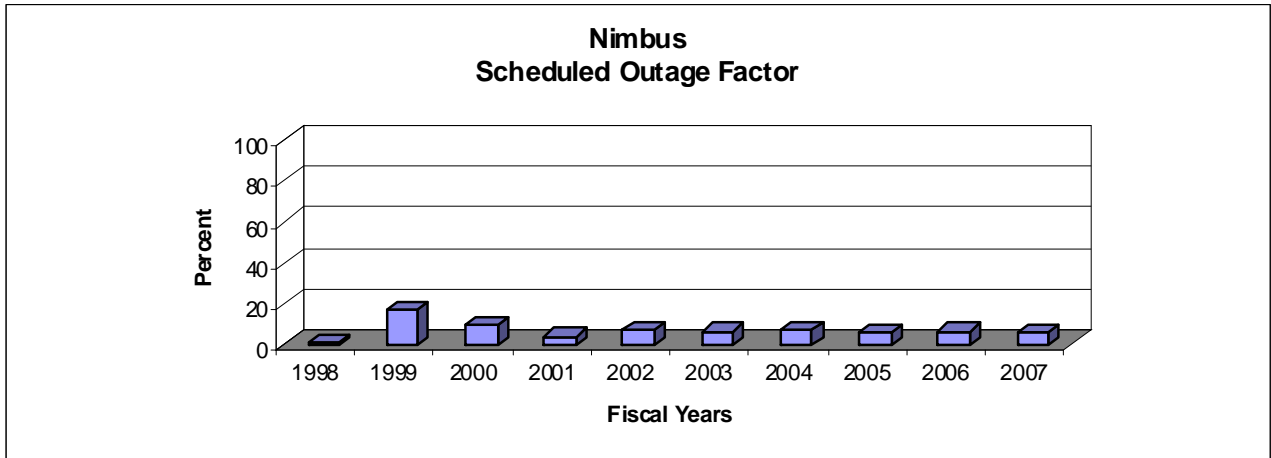


**Benchmark 6  
Forced Outage Factor**

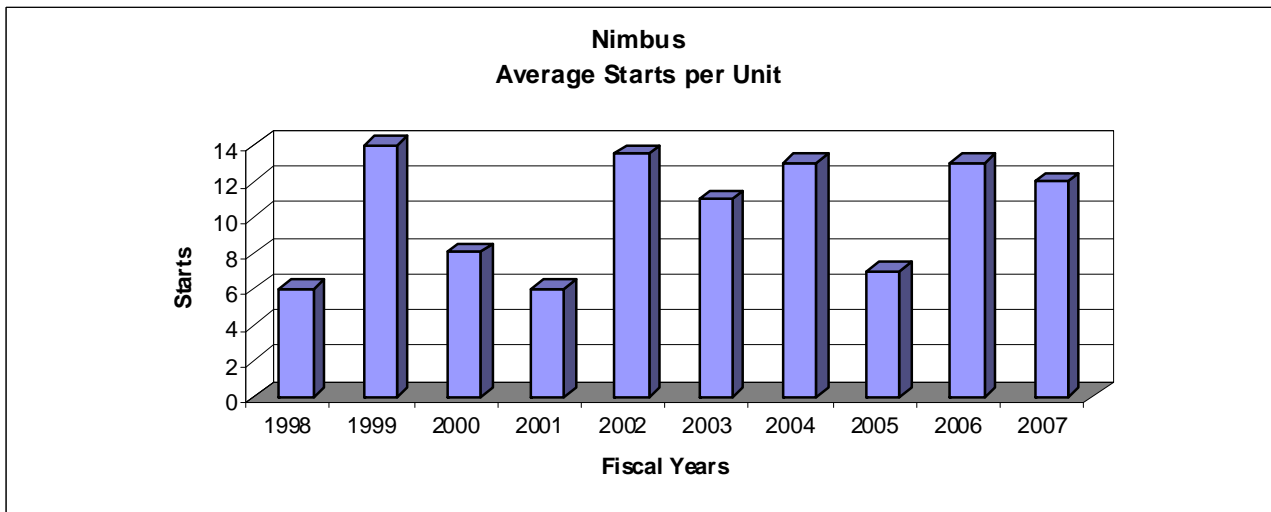


FY-97 - Oil leak in Unit 1 Kaplan wheel control line

**Benchmark 7  
Scheduled Outage Factor**



**Starts**





<b>Benchmark Data Comparison</b>					
<b>Fiscal Year 2007</b>	<b>Nimbus 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>	13.7	Not Applicable	*22.45	Not Available	Not Available
<b>Production Cost as Percentage of Wholesale Firm Rate</b>	1.42%	Not Applicable	12.1%	Not Applicable	Not Applicable
<b>O&amp;M Cost \$/MWh</b>	23.61	16.40	2.76	***163.95	1.00
<b>O&amp;M Costs \$/MW</b>	89,353	62,731	7,847	***40,852	2,897
<b>O&amp;M Equip Work Year per MW</b>	0.31	0.22	0.03	Not Available	0.00
<b>Availability Factor</b>	93.7	88.5	82.3	**88.64	98.5
<b>Forced Outage Factor</b>	0.2	0.1	2.6	**2.61	0.0
<b>Scheduled Outage Factor</b>	6.1	11.4	15.1	**8.74	0.0

\*Weighted by Net Generation

\*\*2006 NERC Average

\*\*\*Energy Information Administration Data