

Roza Powerplant Yakima Project

Ancillary Services

Roza Ancillary Services	
Spinning Reserve	No
Non-Spinning Reserve	No
Replacement Reserve	No
Regulation/Load Following	No
Black Start	No
Voltage Support	Yes

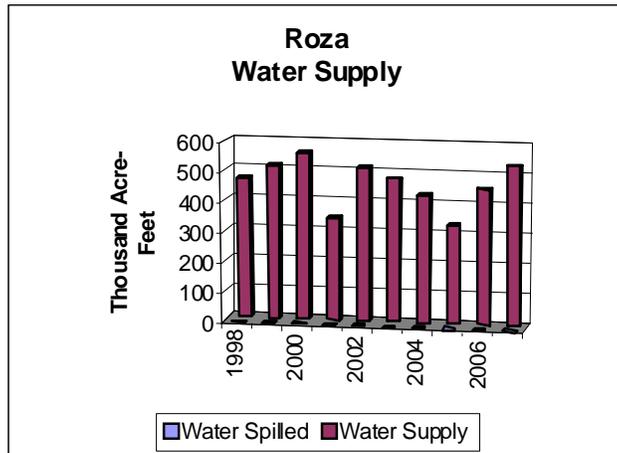
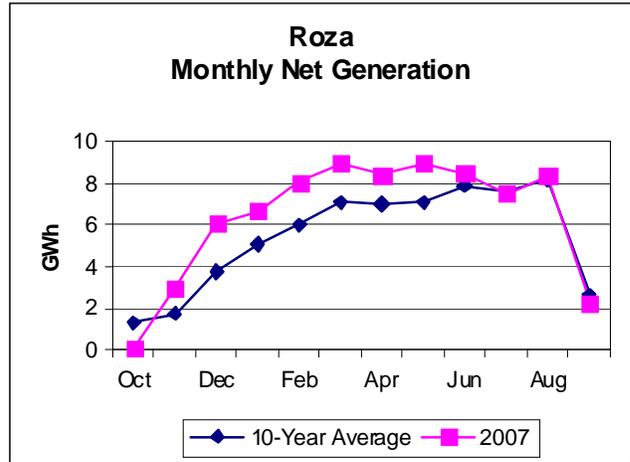
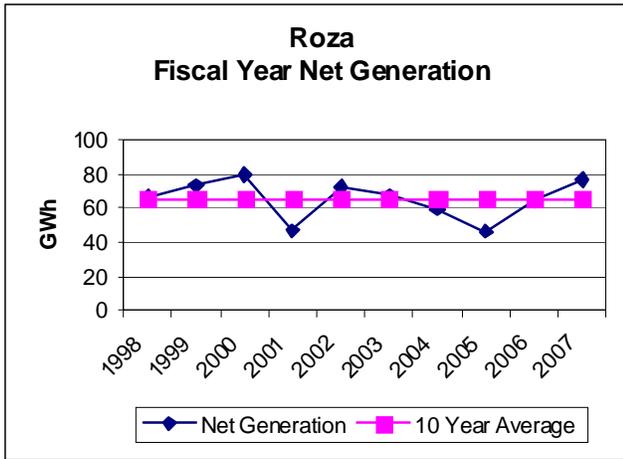
The Roza Powerplant is capable of black start, but it has doubtfully ever been done. The canal feed makes it impractical to operate separate from BPA.

Generators

Roza Generators			
Existing Number and Capacity			
Unit #	Original Capacity (kW)	Capacity Increased (kW)	Present Capacity (kW)
1	11,250	1,687	12,937
1 unit	11,250	1,687	12,937

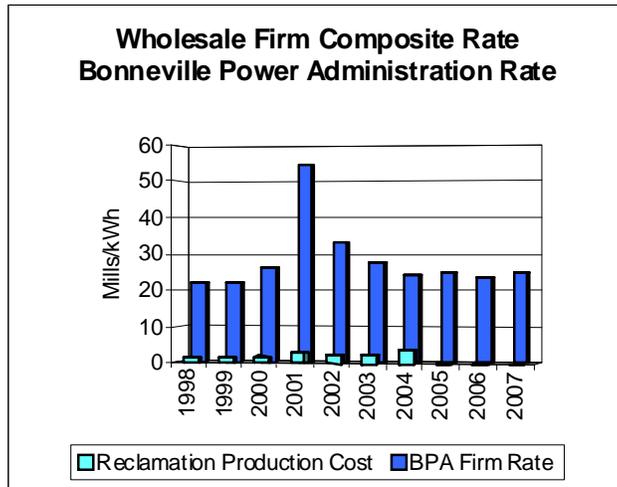
Winding capacity is 12,937 kW, but actual capacity of plant is 11,845 kW due to canal restrictions on load rejection.

Generation

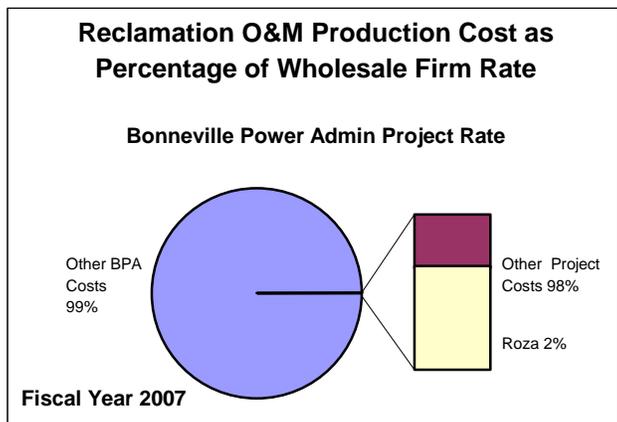


Prime Laboratory Benchmarks

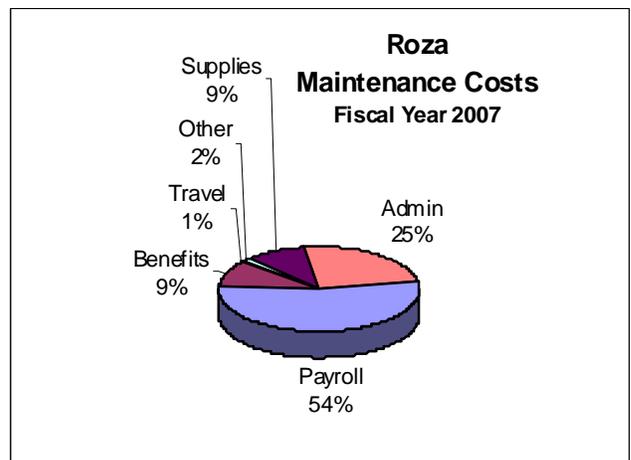
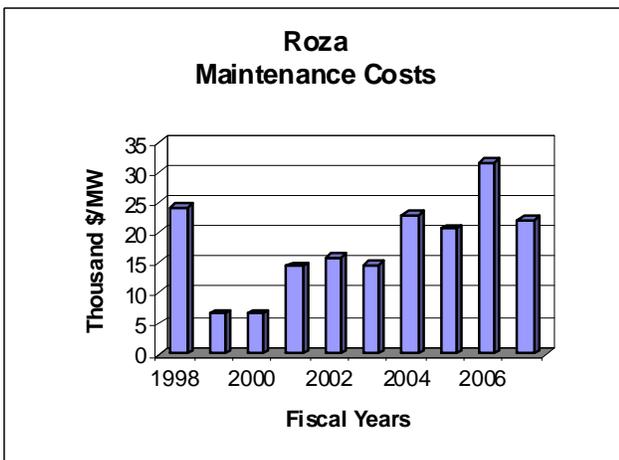
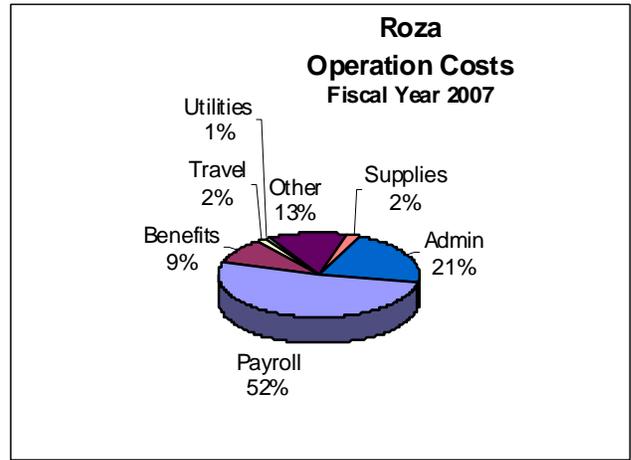
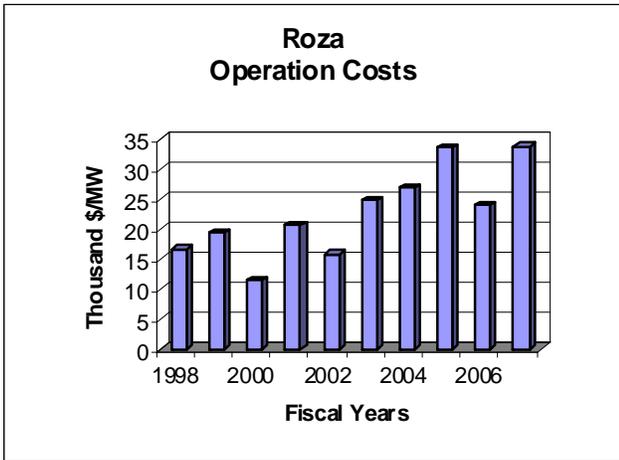
**Benchmark 1
Wholesale Firm Rate**



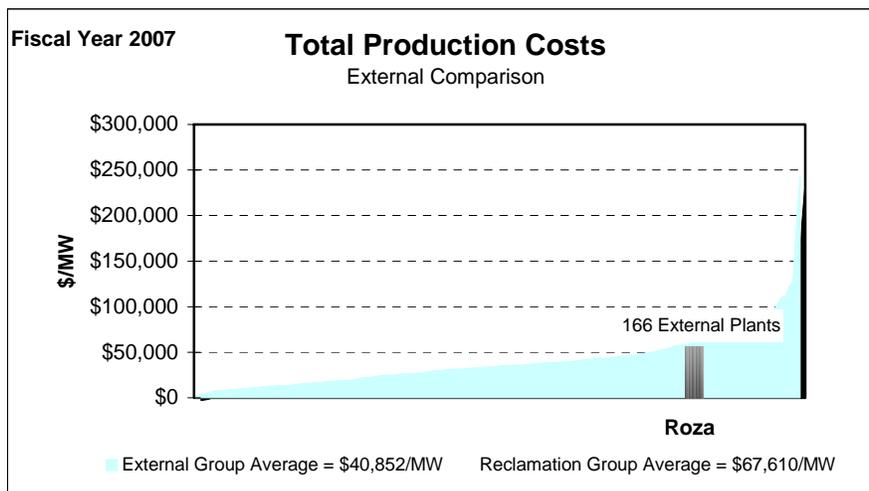
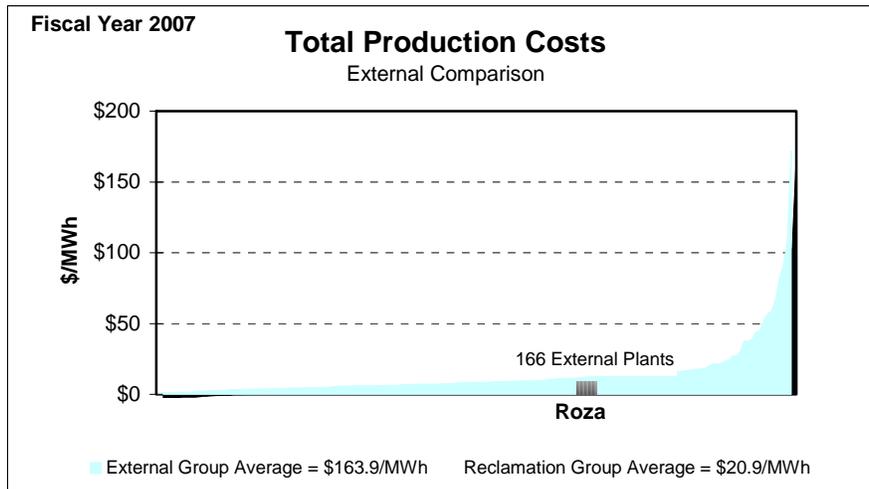
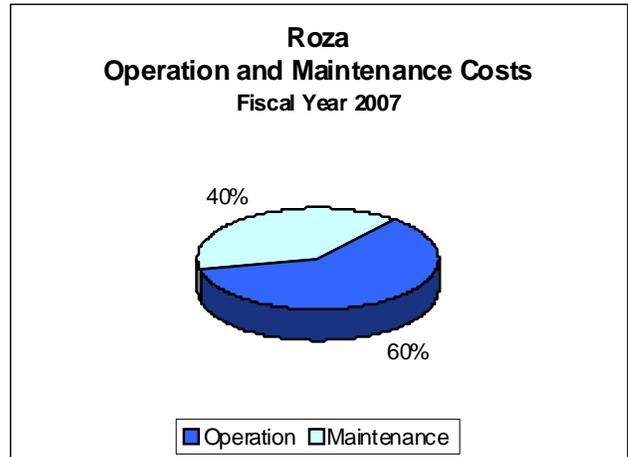
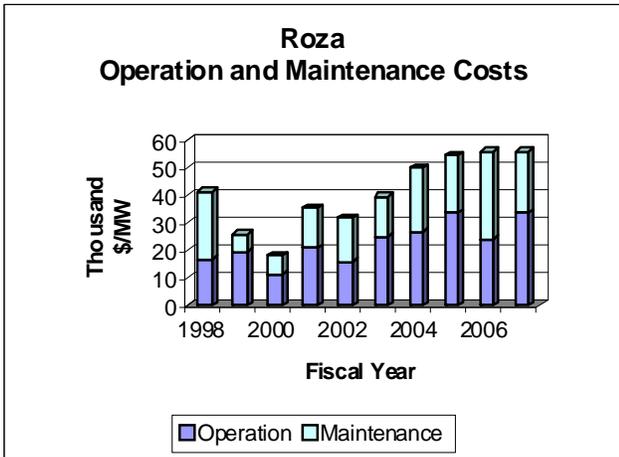
**Benchmark 2
Reclamation's Production Costs as Percentage of Wholesale Firm Rate**



**Benchmark 3
Production Costs**

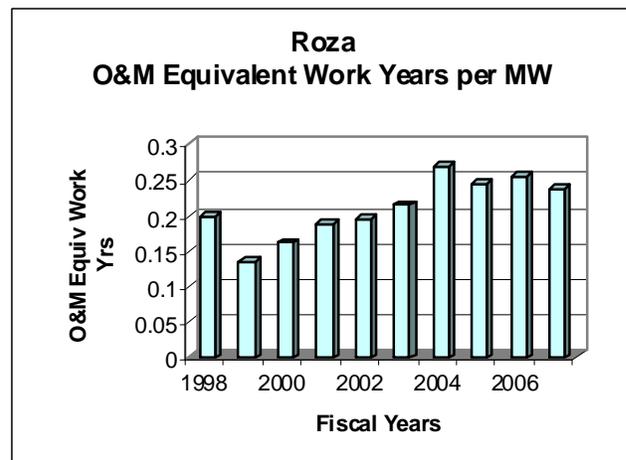
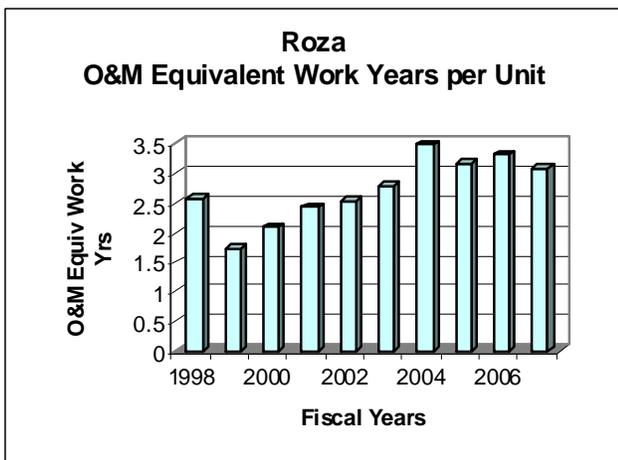
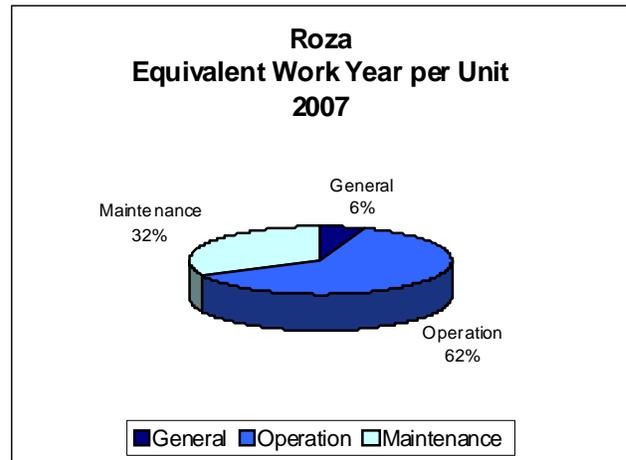
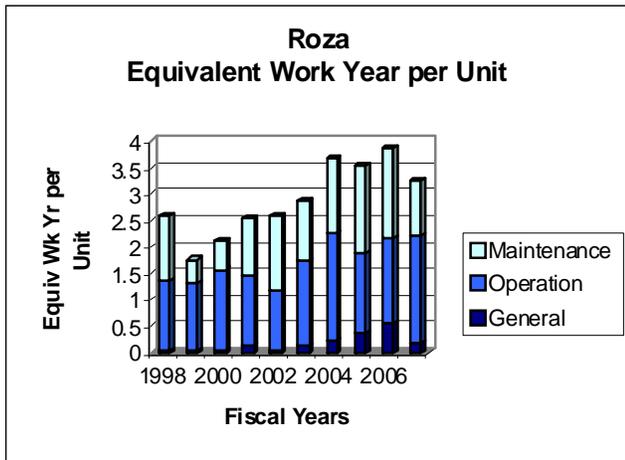


**Benchmark 3
Production Cost**

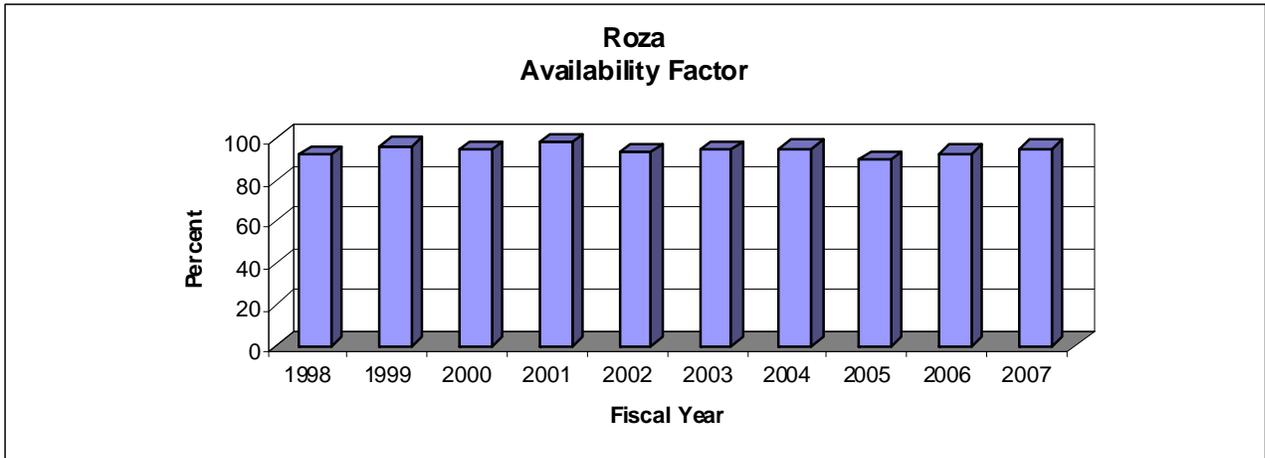


**Benchmark 4
Workforce Deployment**

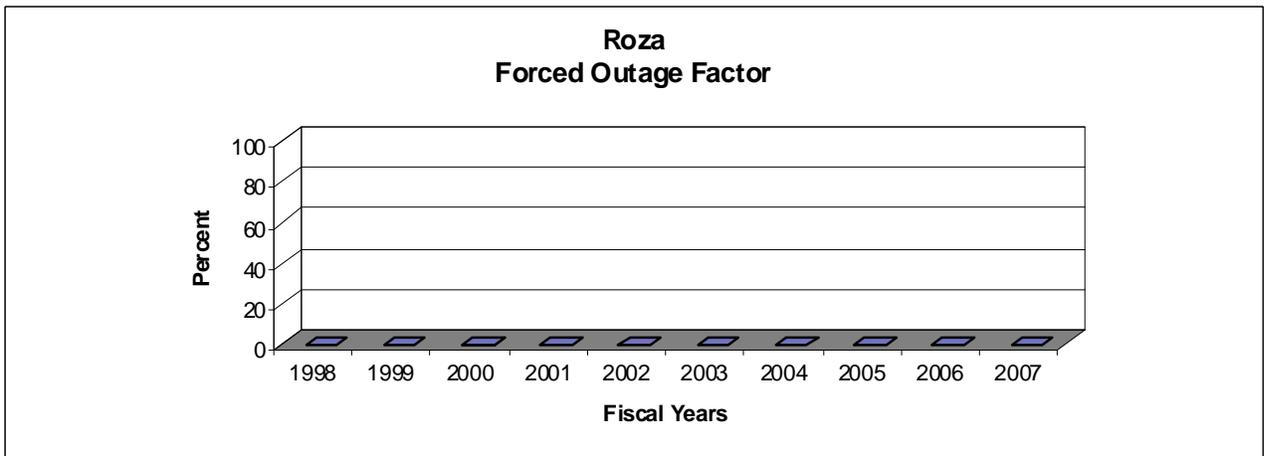
Roza FY 2007 Equivalent Work Staffing Year Levels						
	Equivalent Work Year Staffing Charged to Powerplant	Leave Additive	Denver and Washington Equivalent Work Year Staffing Additive	Total Equivalent Work Year Allocated to Powerplant	Total Equivalent Staffing Work Year per Generating Unit	Total Equivalent Work Year Staffing per Megawatt
General	0.15	0.02	0.02	0.18	0.18	0.01
Operation	1.84	0.20	0.00	2.04	2.04	0.16
Maintenance	0.94	0.10	0.00	1.04	1.04	0.08
Total Staffing	2.93	0.31	0.02	3.26	3.26	0.25



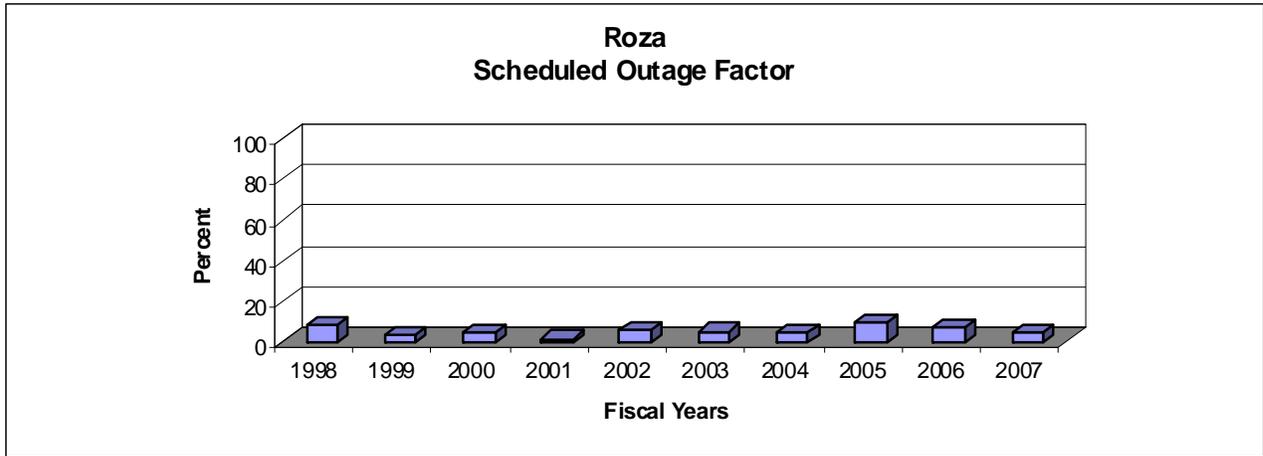
**Benchmark 5
Availability Factor**



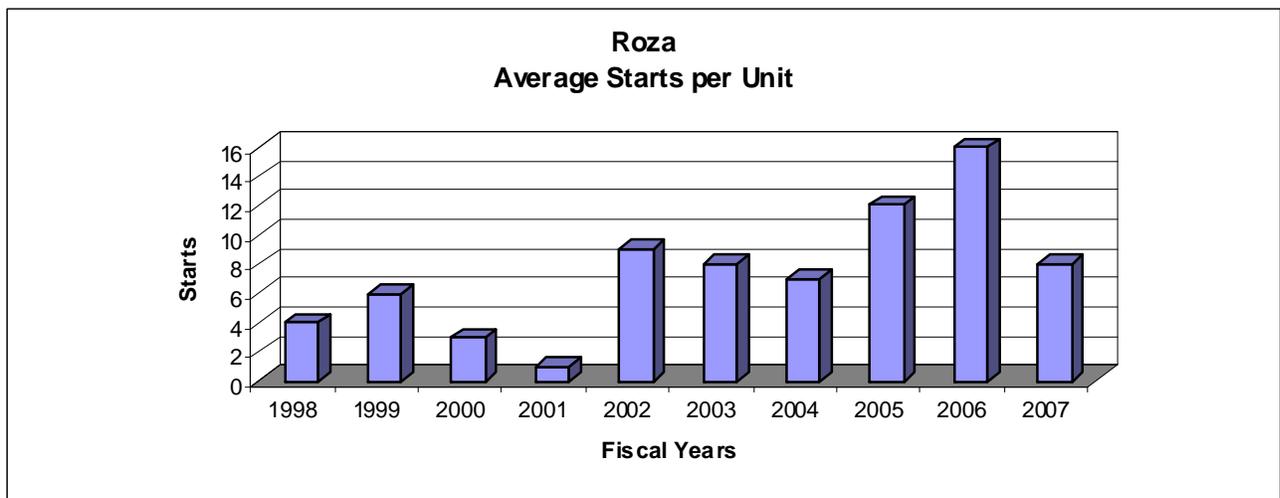
**Benchmark 6
Force Outage Factor**



**Benchmark 7
Scheduled Outage Factor**



Starts



Benchmark Data Comparison					
Fiscal Year 2007	Roza Powerplant	Reclamation Average 10-30 MW Group	Total Reclamation Average	Industry Average	Best Performers
Wholesale Firm Rate Mills/kWh	24.8	Not Applicable	*22.45	Not Available	Not Available
Production Cost as Percentage of Wholesale Firm Rate	0.03%	Not Applicable	12.1%	Not Applicable	Not Applicable
O&M Cost \$/MWh	9.42	16.40	2.76	***163.95	1.00
O&M Costs \$/MW	55,950	62,731	7,847	***40,852	2,897
O&M Equiv Work Year per MW	0.24	0.22	0.03	Not Available	0.00
Availability Factor	95.2	88.5	82.3	**88.64	98.5
Forced Outage Factor	0.0	0.1	2.6	**2.61	0.0
Scheduled Outage Factor	4.8	11.4	15.1	**8.74	0.0

*Weighted by Net Generation

**2006 NERC Average

***Energy Information Administration Data