

Shoshone Powerplant
Pick-Sloan Missouri Basin Program

Ancillary Services

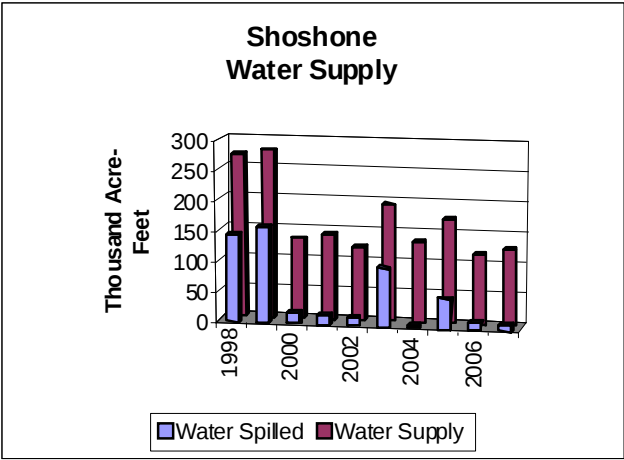
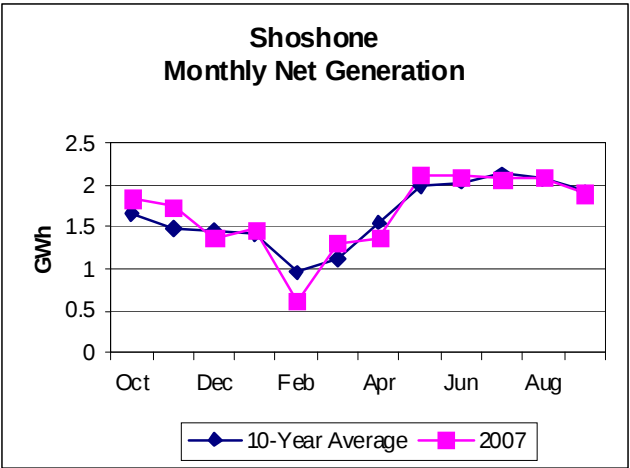
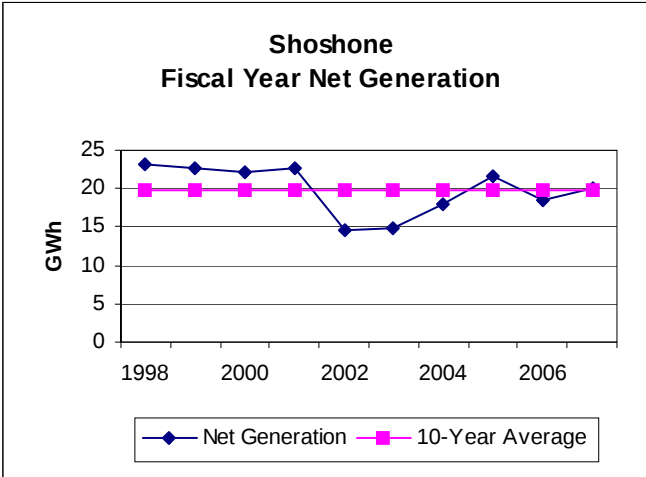
Shoshone Ancillary Services	
Spinning Reserve	No
Non-Spinning Reserve	No
Replacement Reserve	No
Regulation/Load Following	No
Black Start	No
Voltage Support	No

Generators

Shoshone Generators Existing Number and Capacity			
Unit #	Original Capacity (kW)	Capacity Increased (kW)	Present Capacity (kW)
1	3,000	-	3,000
1 Unit	3,000	-	3,000

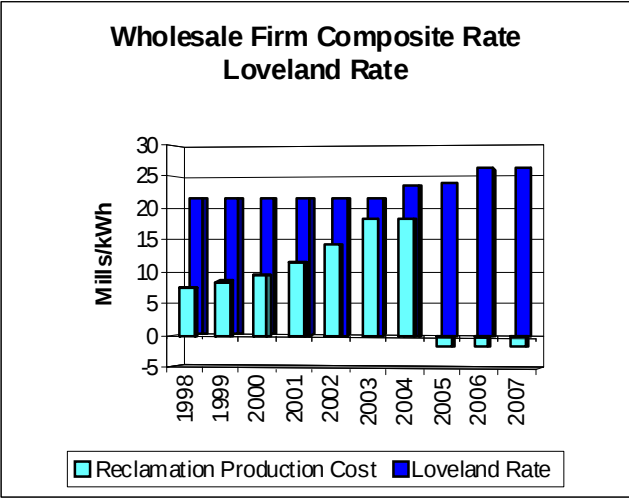
Shoshone Powerplant
0-10 MW

Generation

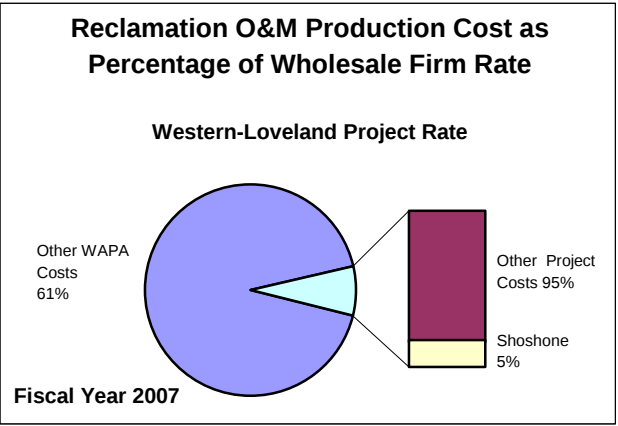


Prime Laboratory Benchmarks

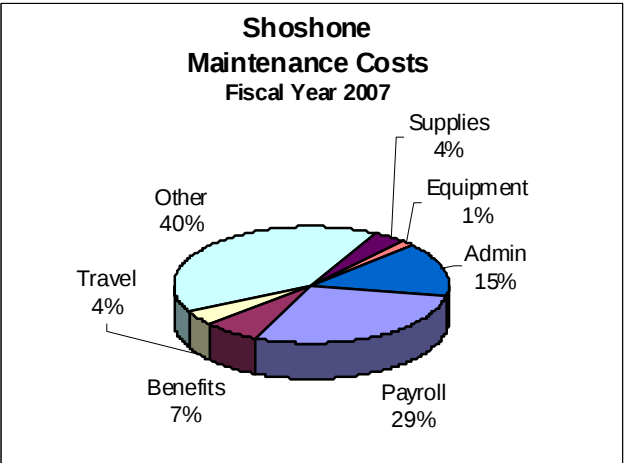
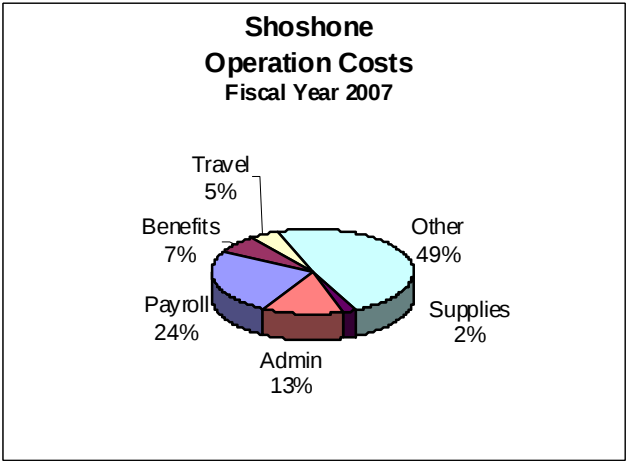
Benchmark 1
Wholesale Firm Rate



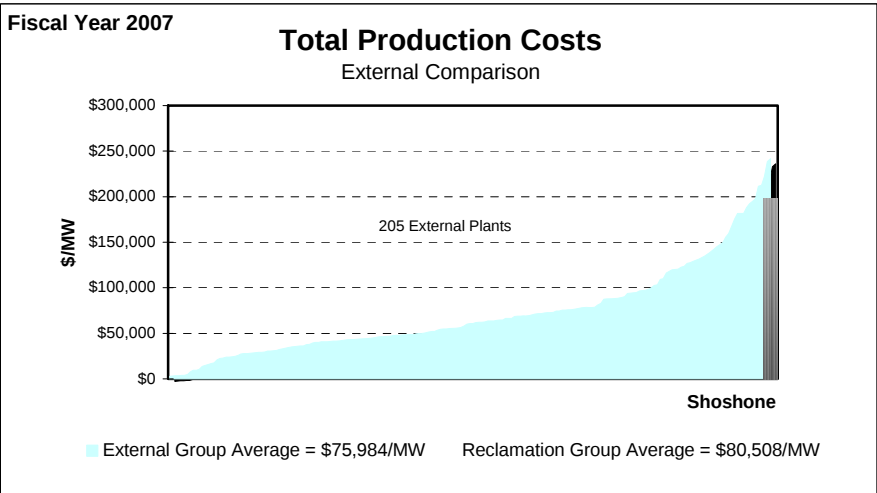
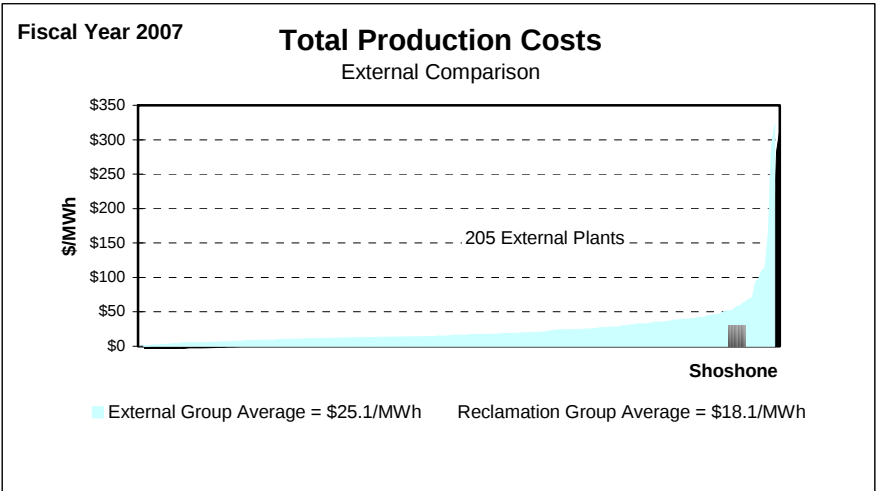
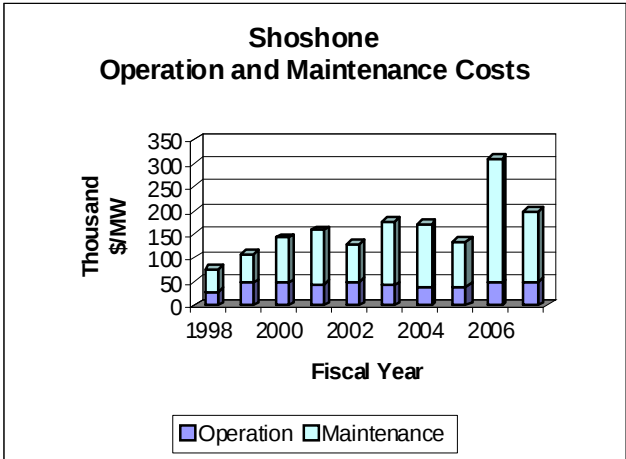
Benchmark 2
Reclamation's Production Costs as Percentage of Wholesale Firm Rate



Benchmark 3
Production Costs



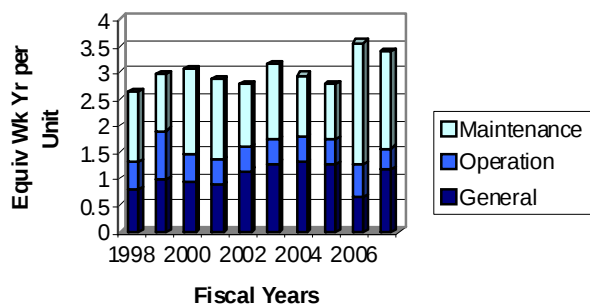
Benchmark 3
Production Costs



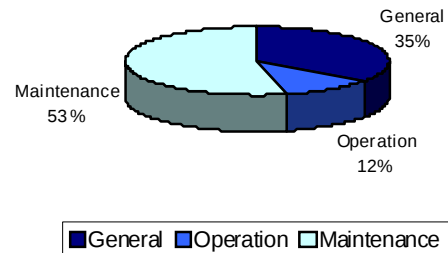
**Benchmark 4
Workforce Deployment**

Shoshone 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	1.04	0.12	0.02	1.17	1.17	0.39
Operation	0.35	0.04	0.00	0.39	0.39	0.13
Maintenance	1.64	0.18	0.00	1.82	1.82	0.61
Total Staffing	3.03	0.34	0.02	3.39	3.39	1.13

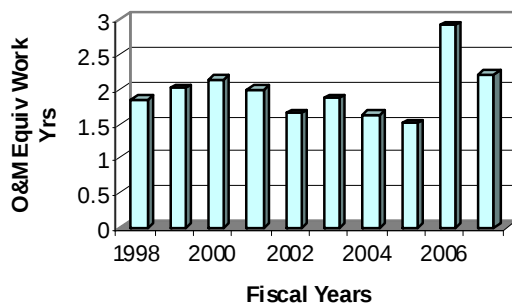
**Shoshone
Equivalent Work Year per Unit**



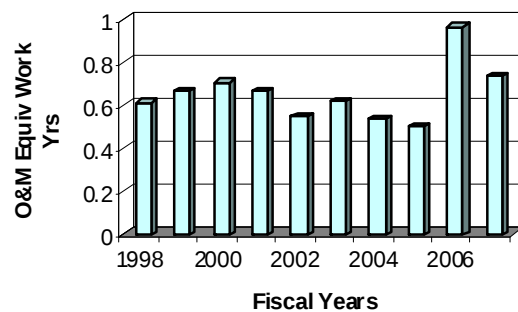
**Shoshone
Equivalent Work Year per Unit
2007**



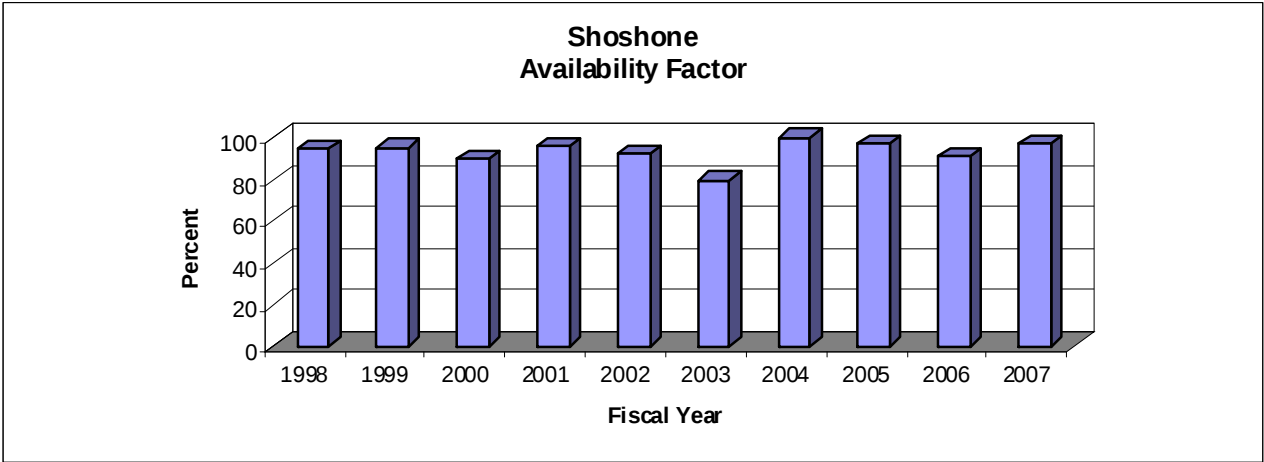
**Shoshone
O&M Equivalent Work Years per Unit**



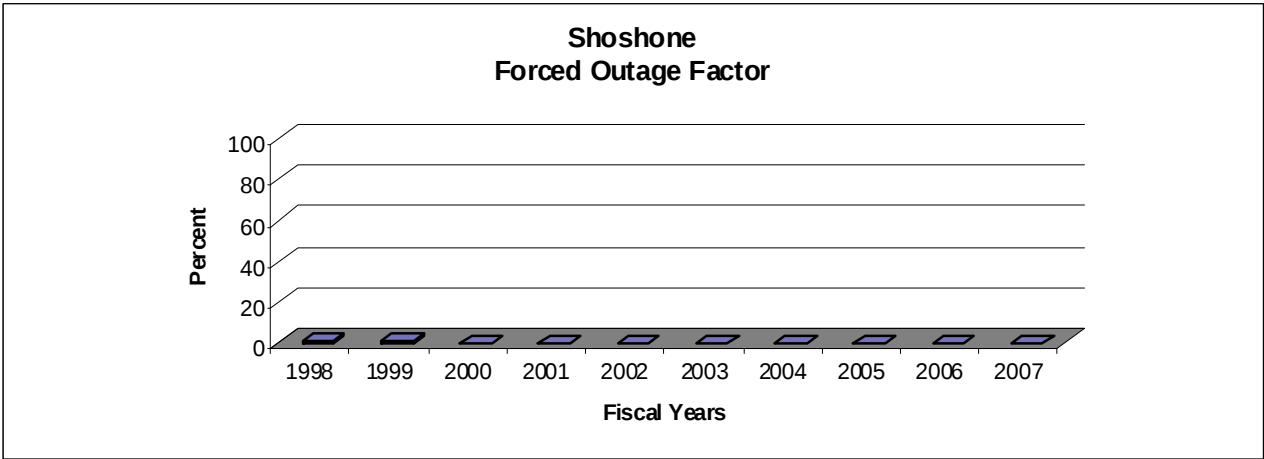
**Shoshone
O&M Equivalent Work Years per MW**



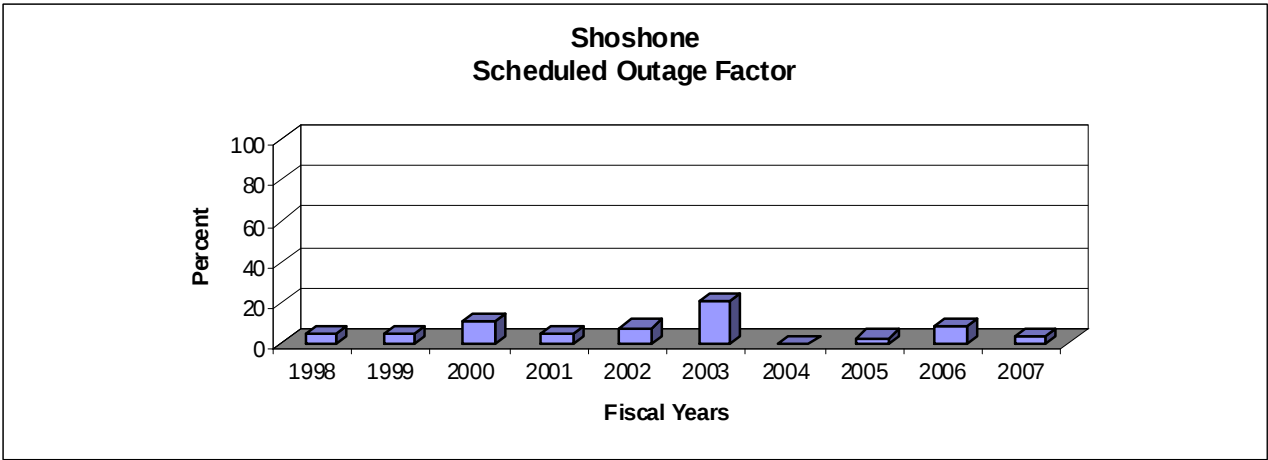
Benchmark 5
Plant Availability Factor



Benchmark 6
Plant Forced Outage Factor

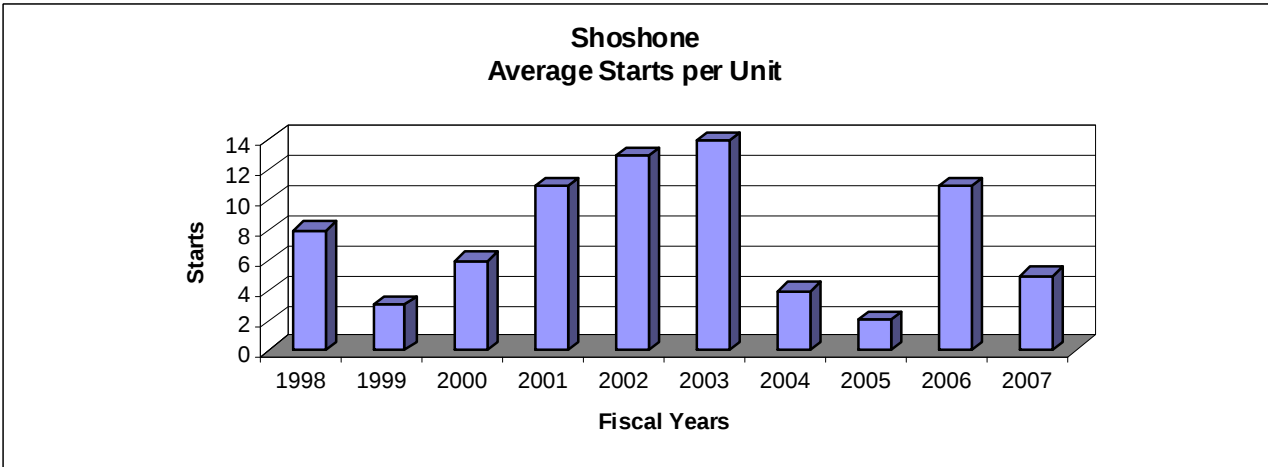


Benchmark 7
Plant Scheduled Outage Factor



FY-2003 – Contract repairs to draft tube.

Unit Starts



**Shoshone Powerplant
0-10 MW**

Benchmark Data Comparison					
Fiscal Year 2007	Shoshone Powerplant	Reclamation Average 0-10 MW Group	Total Reclamation Average	Industry Average	Best Performers
Wholesale Firm Rate Mills/kWh	23.9	Not Applicable	*22.45	Not Available	Not Available
Production Cost as Percentage of Wholesale Firm Rate	1.4%	Not Applicable	12.1%	Not Applicable	Not Applicable
O&M Cost \$/MWh	29.77	14.71	2.76	***25.9	1.00
O&M Costs \$/MW	198,590	60,518	7,847	***75,984	2,897
O&M Equiv Work Year per MW	0.74	0.41	0.03	Not Available	0.0
Availability Factor	96.9	88.73	82.3	**88.64	98.5
Forced Outage Factor	0.0	0.91	2.6	**2.61	0.0
Scheduled Outage Factor	3.1	10.36	15.1	**8.74	0.0

*Weighted by Net Generation

**2006 NERC Average

***Energy Information Administration Data