Glendo Powerplant Pick-Sloan Missouri Basin Program

Ancillary Services

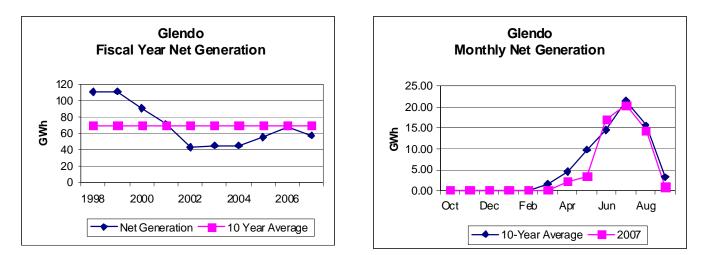
Glendo Ancillary Services

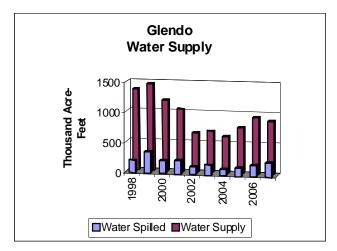
Spinning Reserve	No		
Non-Spinning Reserve	No		
Replacement Reserve	Yes		
Regulation/Load Following	No		
Black Start	No		
Voltage Support	Yes		

Generators

Glendo Generators Existing Number and Capacity					
		Tiber and Capacity			
Unit #	Original Capacity (kW)	Capacity Increased (kW)	Present Capacity (kW)		
1	12,000	7,000	19,000		
2	12,000	7,000	19,000		
2 units	24,000	14,000	38,000		

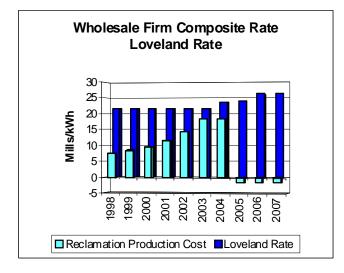
Generation



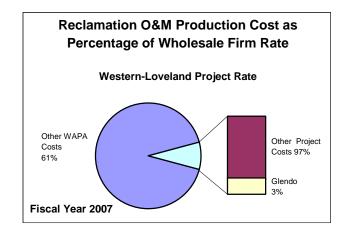


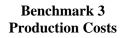
Prime Laboratory Benchmarks

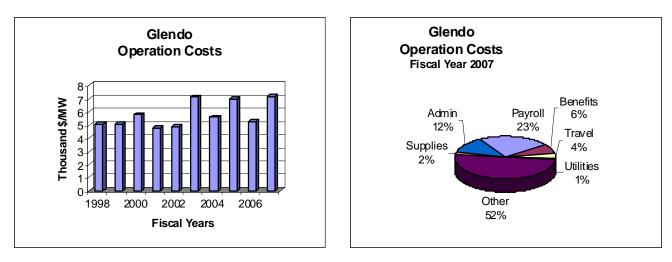
Benchmark 1 Wholesale Firm Rate

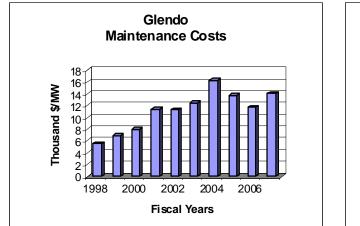


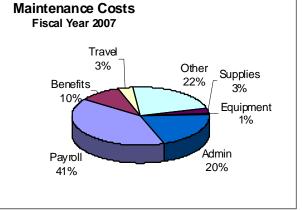
Benchmark 2 Reclamation's Production Costs as Percentage of Wholesale Firm Rate



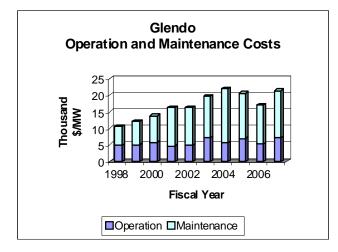


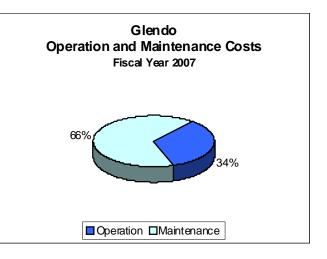






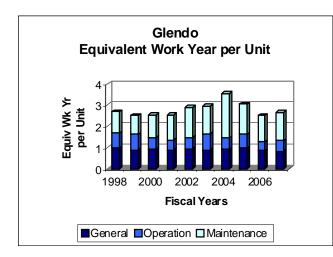
Glendo

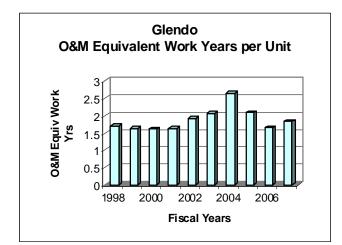


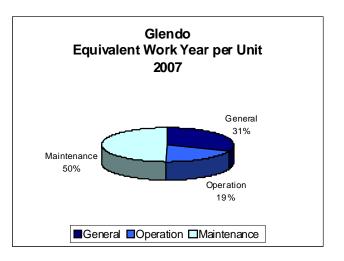


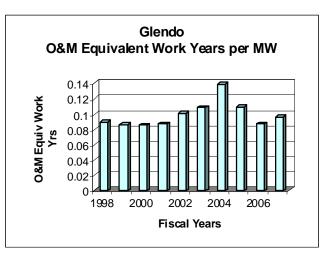
Benchmark 4 Workforce Deployment

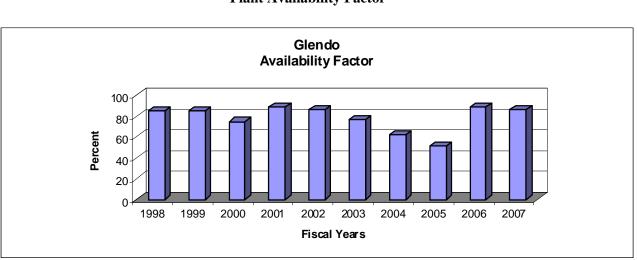
Glendo FY 2007 Equivalent Work Staffing Year Levels						
	Equivalent Work Year Staffing Charged to Powerplant	Leave Additive	Denver and Washington Equivalent Work Year Staffing Additive	Total Equivalent Work Year Allocated to Powerplant	Total Equivalent Staffing Work Year per Generating Unit	Total Equivalent Work Year Staffing per Megawatt
General	1.47	0.17	0.04	1.68	0.84	0.04
Operation	0.90	0.10	0.00	1.00	0.50	0.03
Maintenance	2.38	0.27	0.00	2.65	1.33	0.07
Total Staffing	4.76	0.54	0.04	5.33	2.66	0.14





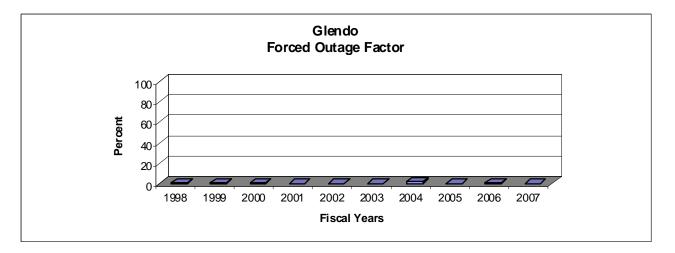


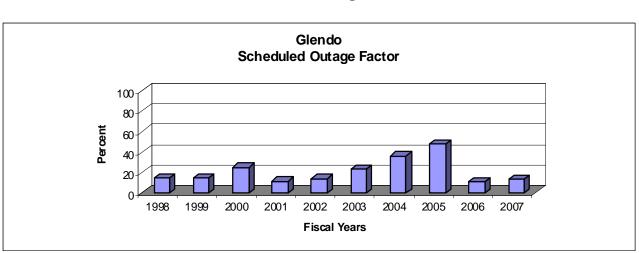




Benchmark 5 Plant Availability Factor

Benchmark 6 Plant Forced Outage Factor





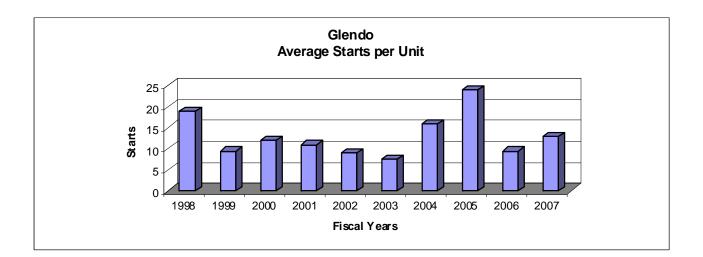
Benchmark 7 Plant Scheduled Outage Factor

Extended maintenance done during winter shutdown.

FY-2003 – Unit 1 schedule outage extended for replacement of water service piping.

FY-2004 – Both unit governors were rebuilt; water service piping was replaced; and new digital generator temperature recorders were installed.

Unit Starts



Benchmark Data Comparison					
Fiscal Year 2007	Glendo	Total Reclamation Average	Industry Average	Best Performers	
Wholesale Firm Rate Mills/kWh	23.9	*22.45	Not Available	Not Available	
Production Cost as Percentage of Wholesale Firm Rate	1.84%	12.1%	Not Applicable	Not Applicable	
O&M Cost \$/MWh	13.98	2.76	Not Applicable	1.00	
O&M Costs \$/MW	21,285	7,847	Not Applicable	2,897	
O&M Equiv Work Year per MW	0.10	0.03	Not Available	0.0	
Availability Factor	86.4	82.3	**88.64	98.5	
Forced Outage Factor	0.10	2.6	**2.61	0.0	
Scheduled Outage Factor	13.5	15.1	**8.74	0.0	

*Weighted by Net Generation **2006 NERC Average