

Crystal Powerplant Colorado River Storage Project Wayne N. Aspinall Storage Unit

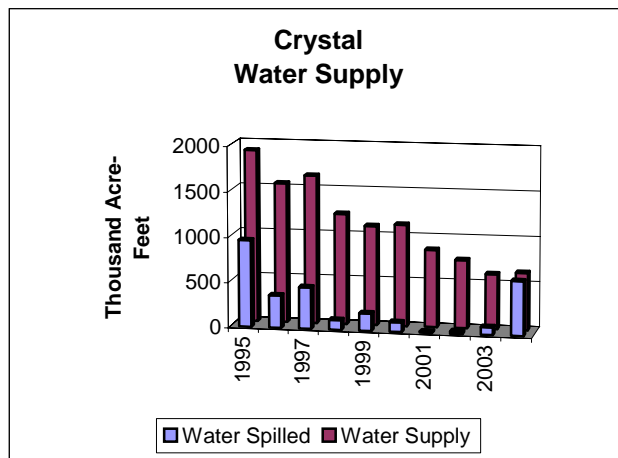
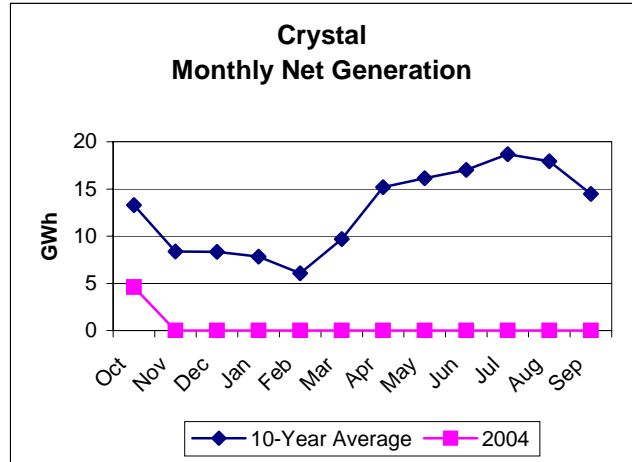
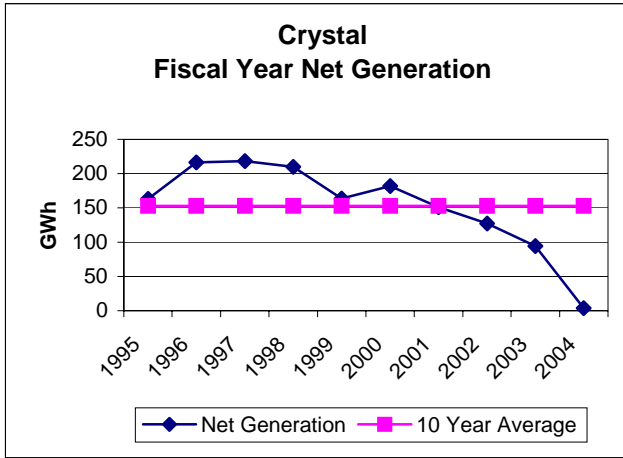
Ancillary Services

Crystal Ancillary Services	
Spinning Reserve	Yes
Non-Spinning Reserve	Yes
Replacement Reserve	Yes
Regulation/Load Following	Yes
Black Start	Yes
Voltage Support	Yes

Generators

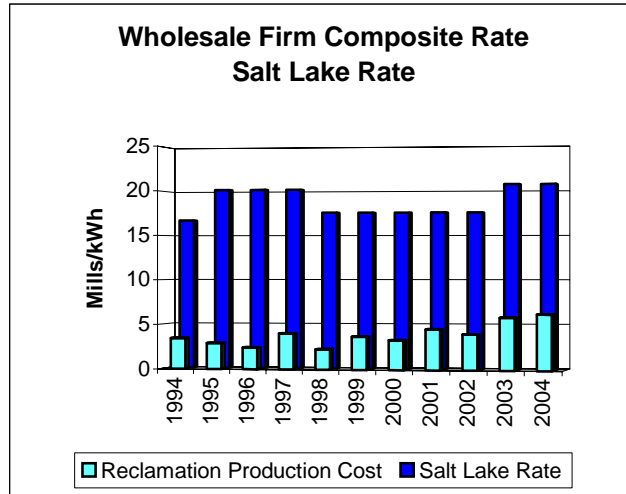
Crystal Generators Existing Number and Capacity			
Unit #	Original Capacity (kW)	Capacity Increased (kW)	Present Capacity (kW)
1	28,000	3,500	31,500
1 Unit	28,000	3,500	31,500

Generation

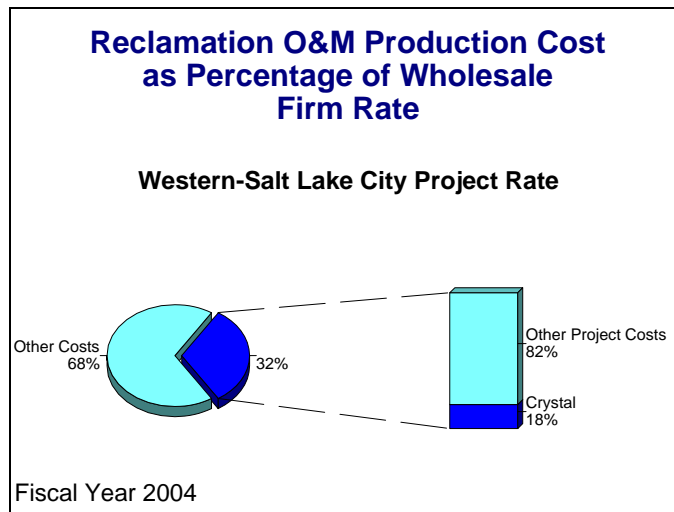


Prime Laboratory Benchmarks

**Benchmark 1
Wholesale Firm Rate**

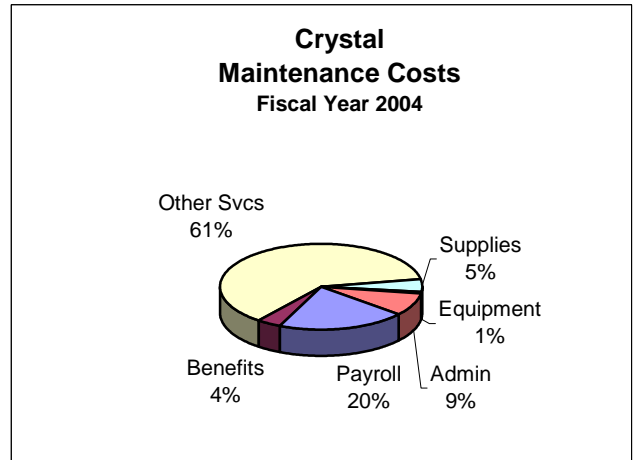
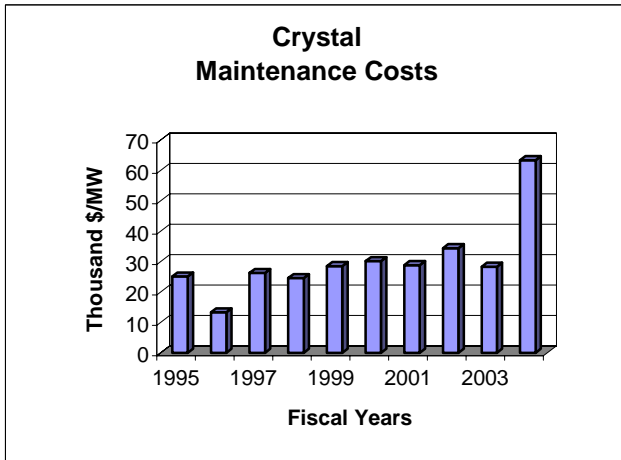
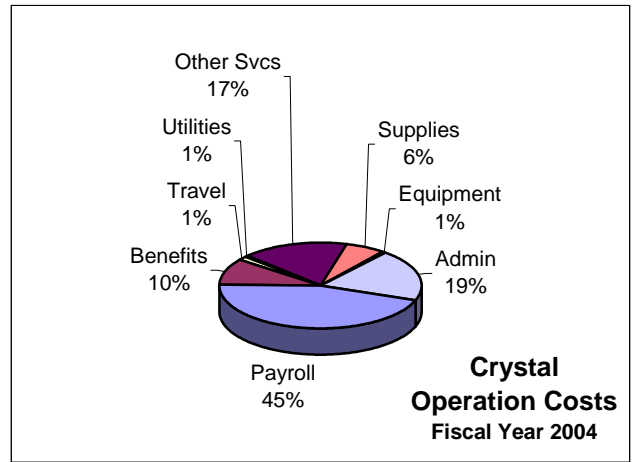
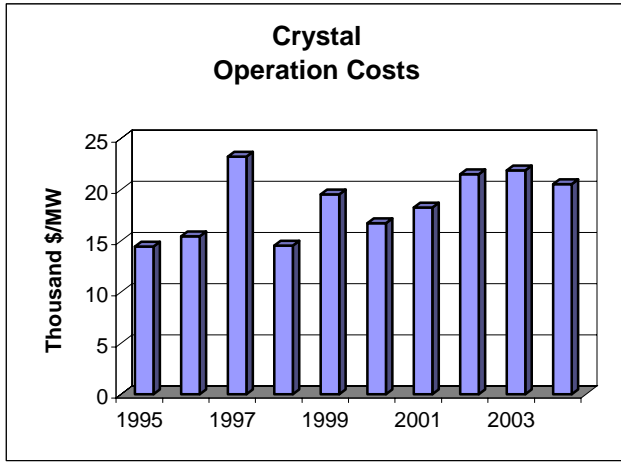


**Benchmark 2
Reclamation's Production Cost as Percentage of Wholesale Firm Rate**

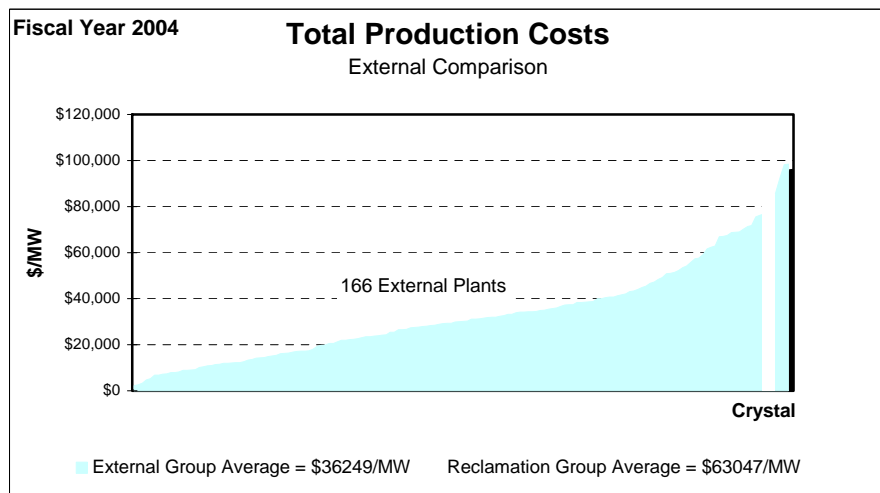
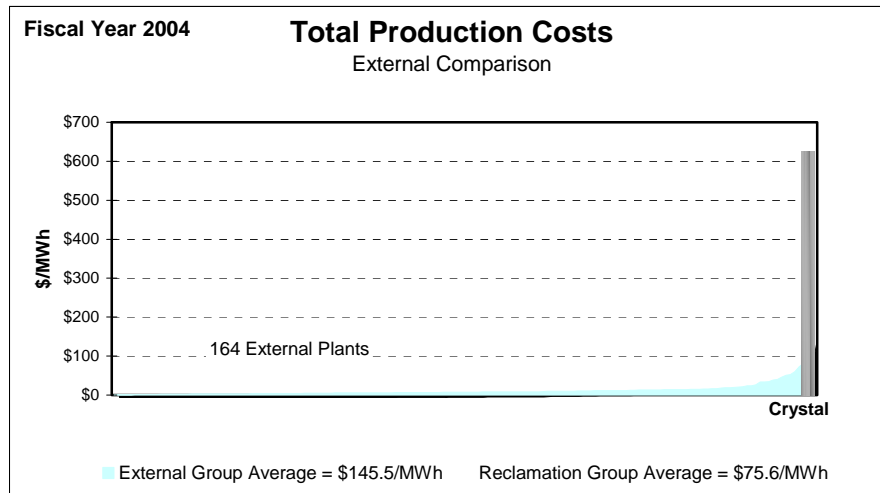
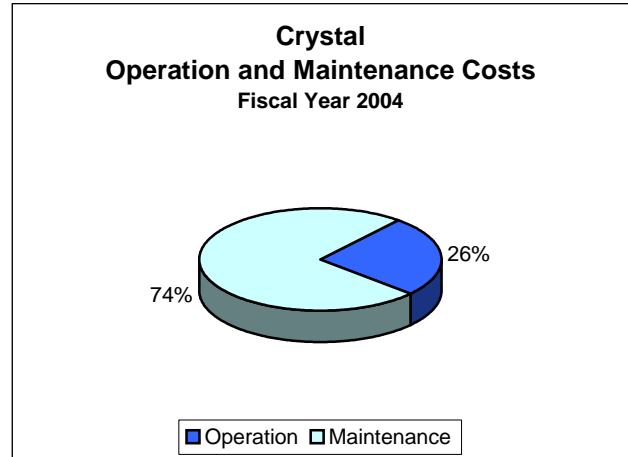
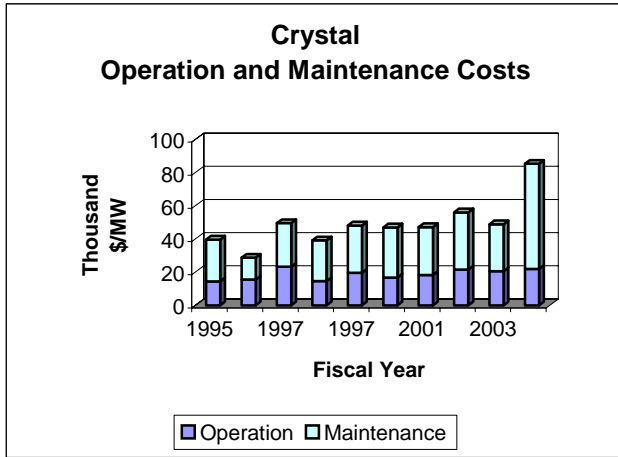


**Crystal Powerplant
10-30 MW**

**Benchmark 3
Production Cost**

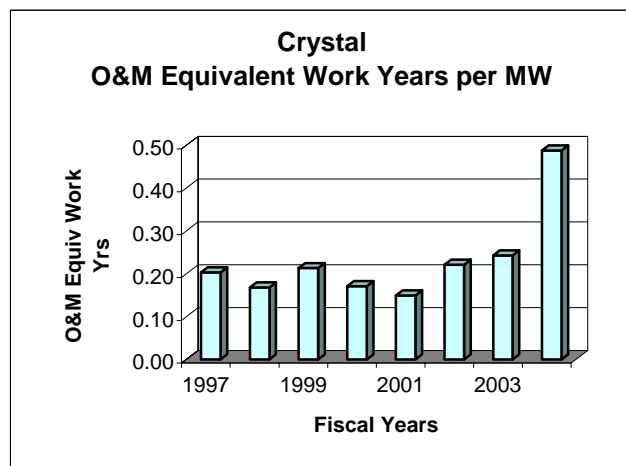
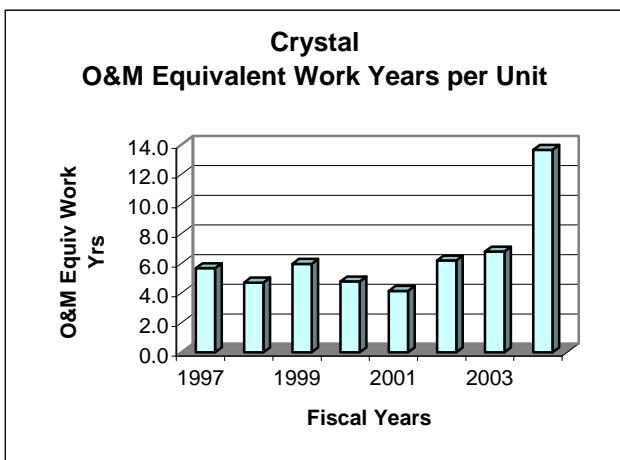
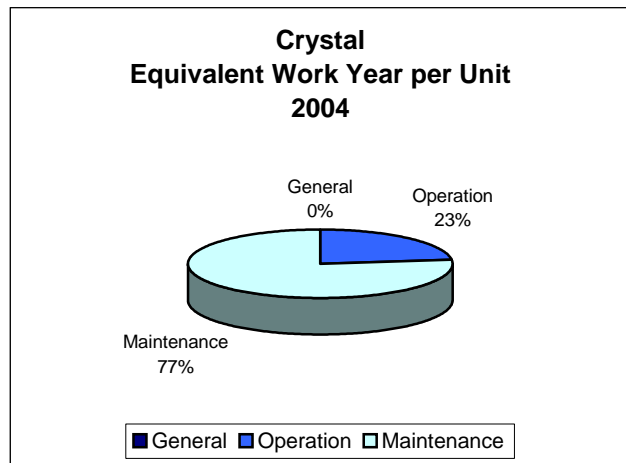
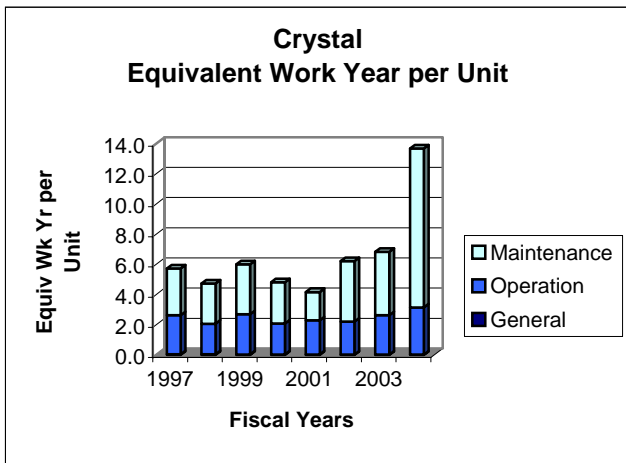


**Benchmark 3
Production Cost**

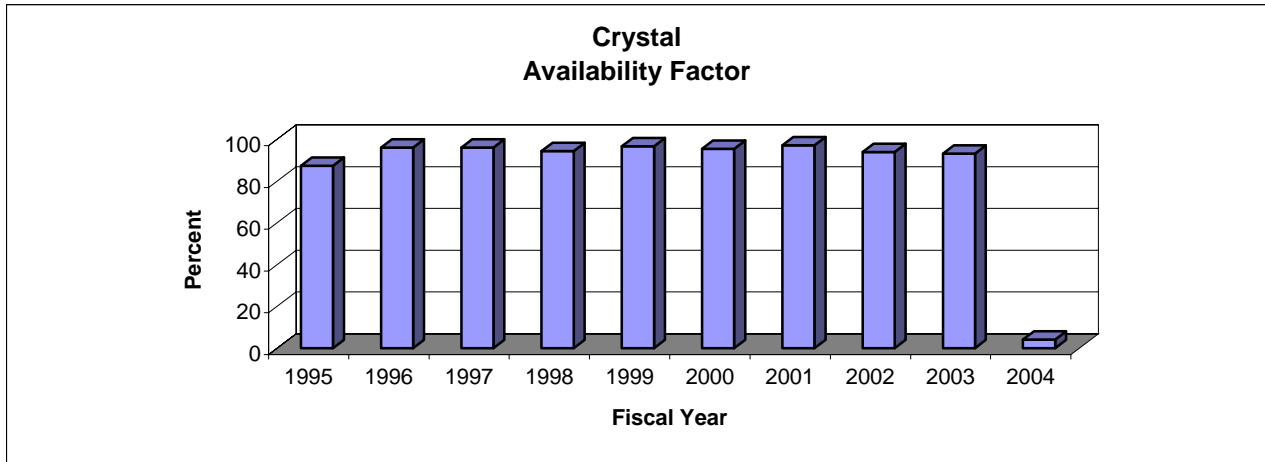


**Benchmark 4
Workforce Deployment**

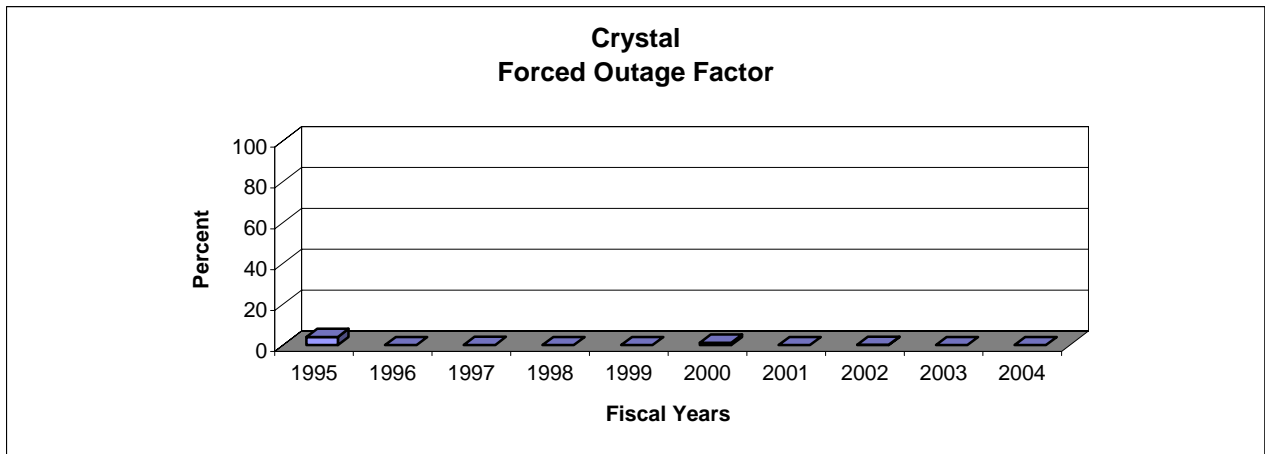
Crystal 2004 Equivalent Work Year Levels						
	Equiv Work Year Charged to Powerplant	Leave Additive	Denver and Washington Equiv Work Year Additive	Total Equiv Work Year Allocated to Powerplant	Total Equiv Work Year per Generating Unit	Total Equiv Work Year per Megawatt
General	0.00	0.00	0.02	0.02	0.02	0.00
Operation	2.81	0.32	0.00	3.12	3.12	0.11
Maintenance	9.45	1.07	0.00	10.52	10.52	0.38
Total Staffing	12.26	1.38	0.02	13.66	13.66	0.49



Availability Factor

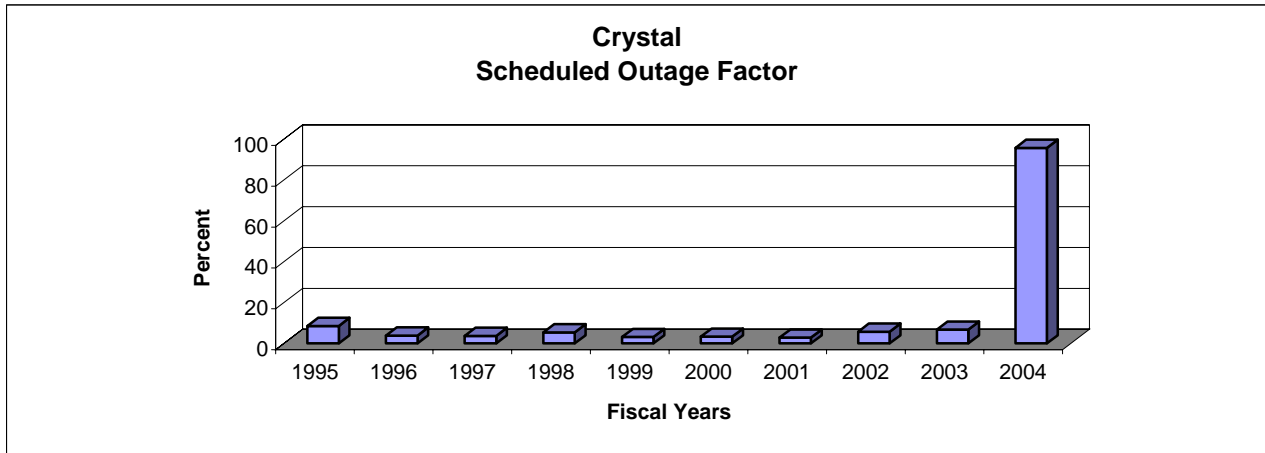


Benchmark 6
Forced Outage Factor

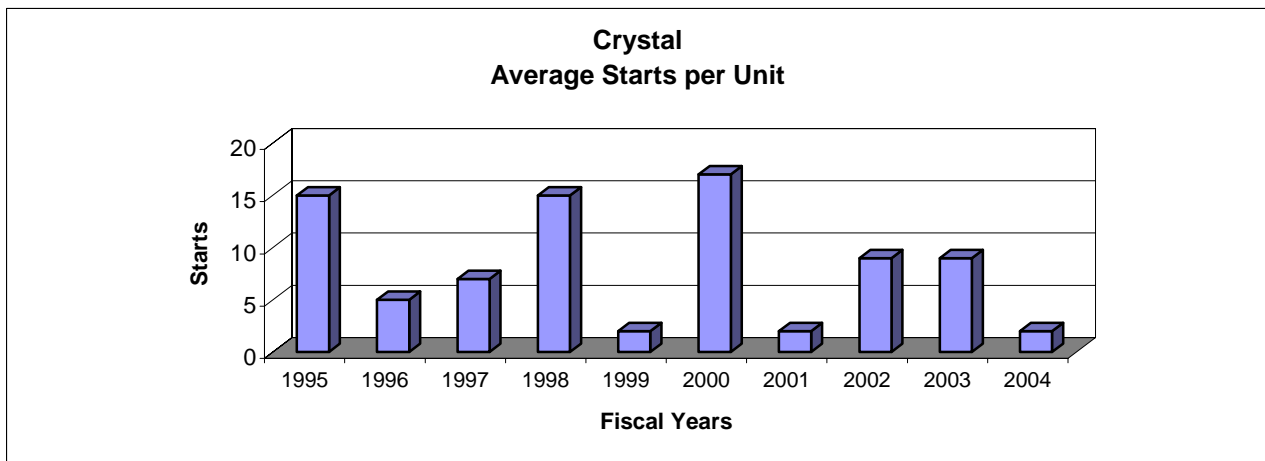


FY-95 - Transformer low voltage bushing failure

**Benchmark 7
Scheduled Outage Factor**



Starts



Benchmark Data Comparison					
Fiscal Year 2004	Crystal Powerplant	Reclamation Average 10-30 MW Group	Total Reclamation Average	Industry Average	Best Performers
Wholesale Firm Rate Mills/kWh	20.7	Not Applicable	*21.06	Not Available	Not Available
Production Cost as Percentage of Wholesale Firm Rate	2.79%	Not Applicable	13.5%	Not Applicable	Not Applicable
O&M Cost \$/MWh	625.85	24.61	2.77	145.47	1.23
O&M Costs \$/MW	85,304.28	65,356.27	7,316.97	36,248.69	2,951.22
O&M Equip Work Year per MW	0.49	0.33	0.04	Not Available	0
Availability Factor	4.2	71.0	86.9	**89.2	99.96983495
Forced Outage Factor	0.00	0.1	0.7	**1.9	0.00
Scheduled Outage Factor	95.8	28.9	12.4	**8.9	0.02

*Weighted by Net Generation

**2003 NERC Average