

Alcova Powerplant Kendrick Project

Ancillary Services

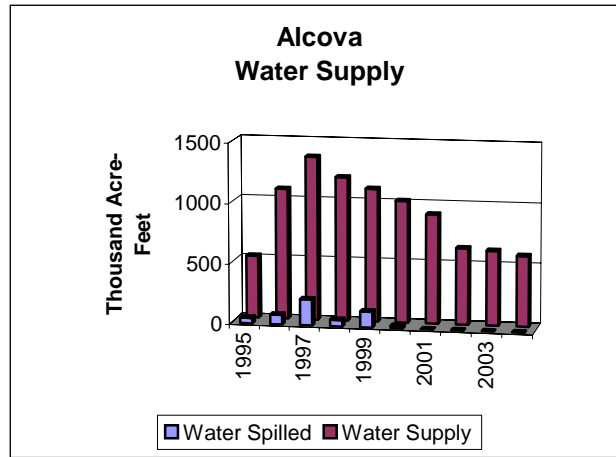
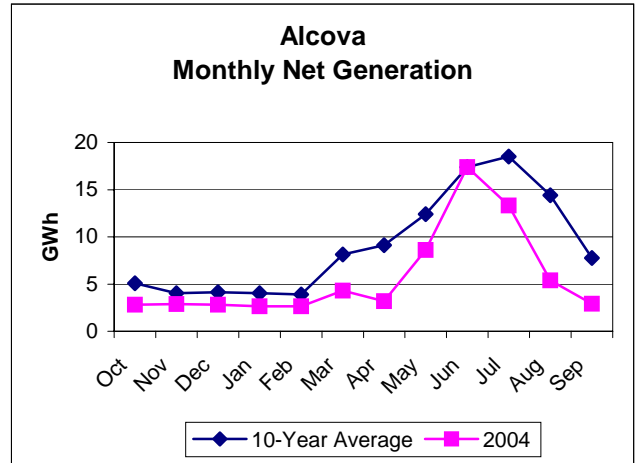
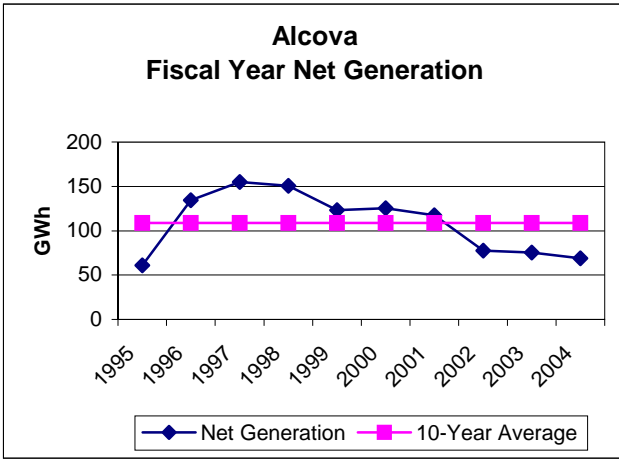
Alcova Ancillary Services	
Spinning Reserve	Yes
Non-Spinning Reserve	Yes
Replacement Reserve	Yes
Regulation/Load Following	Yes
Black Start	No
Voltage Support	Yes

Generators

Alcova Generators Existing Number and Capacity			
Unit #	Original Capacity (kW)	Capacity Increased (kW)	Present Capacity (kW)
1	18,000	2,700	20,700
2	18,000	2,700	20,700
2 Units	36,000	5,400	41,400

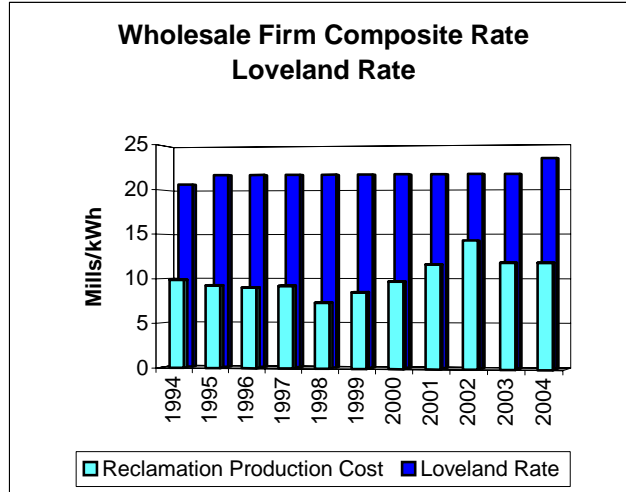
Units 1 and 2 were rewound in FY-2002 and FY-2001, respectively, for a 1.0 power factor which increased the rating per unit to 20,700 kW.

Generation

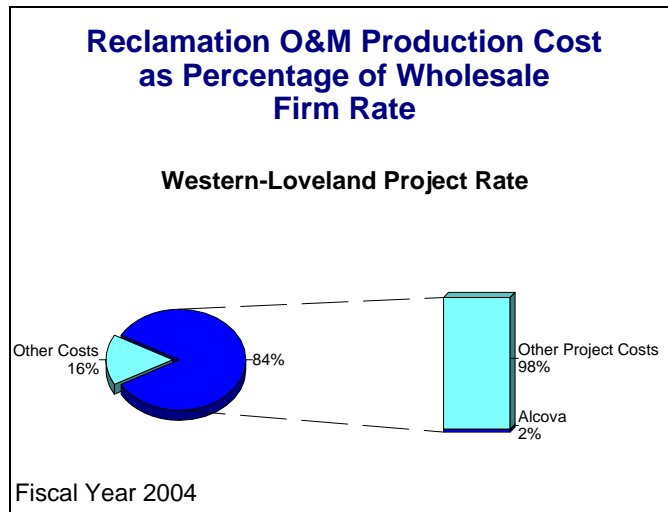


Prime Laboratory Benchmarks

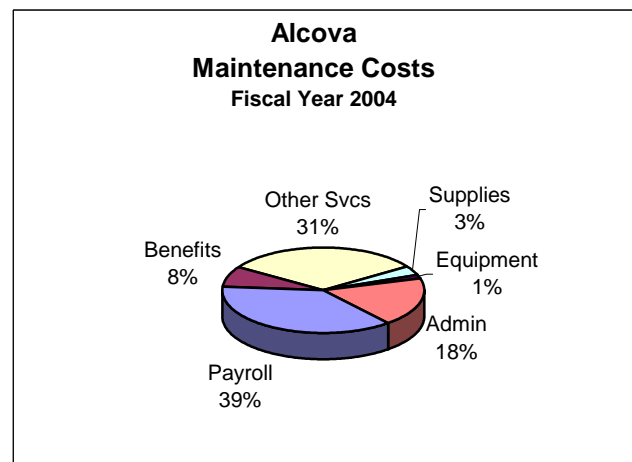
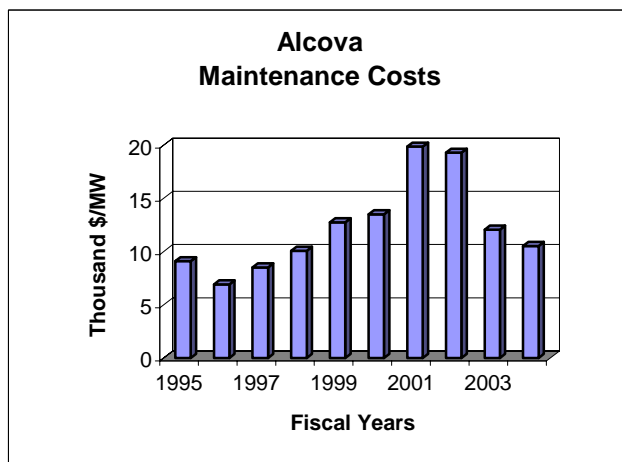
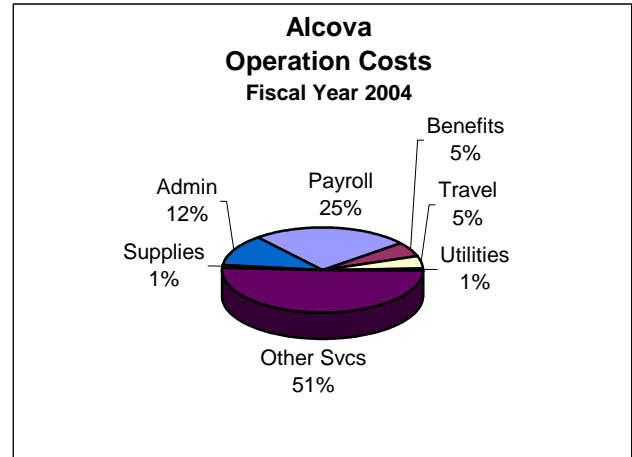
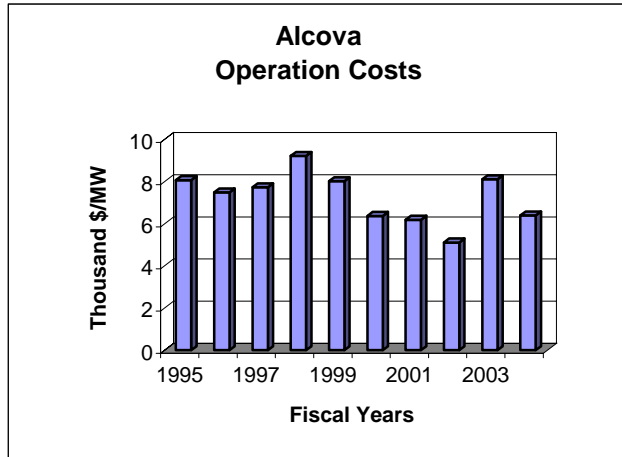
Benchmark 1
Wholesale Firm Rate



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

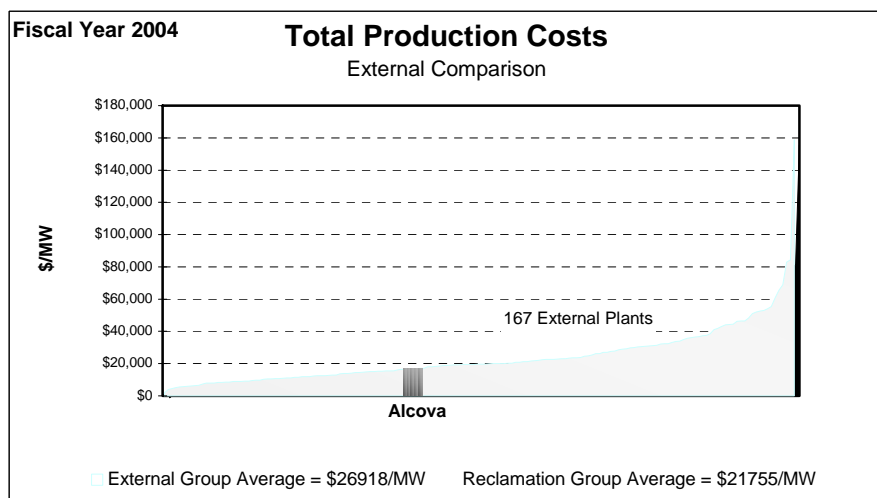
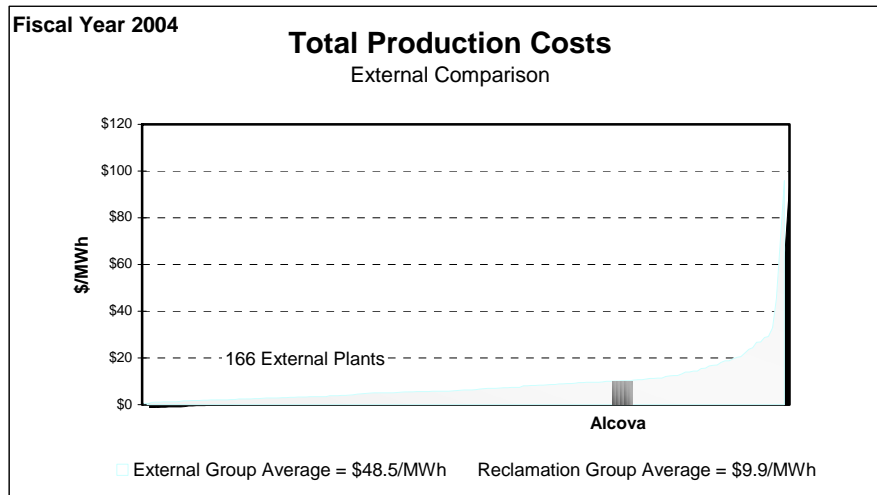
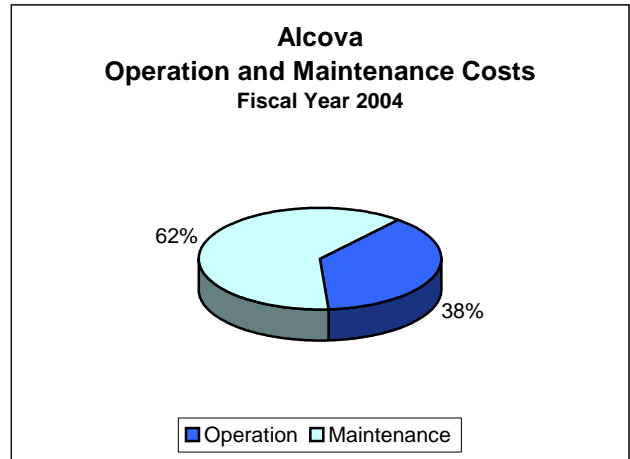
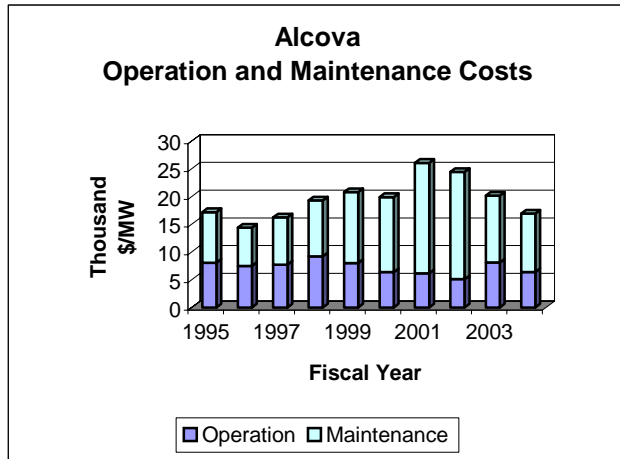


**Benchmark 3
Production Costs**



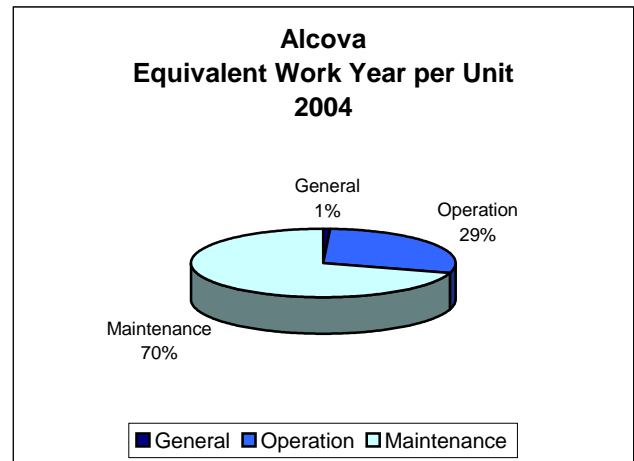
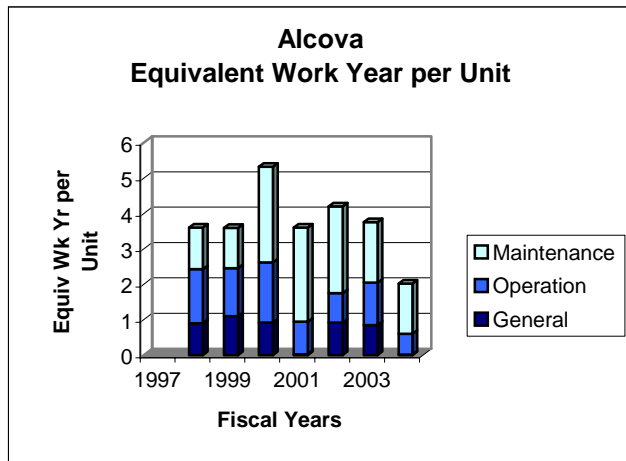
Overhaul of generator turbines in conjunction with rewind of Unit 2 in FY-2001 and Unit 1 in FY-2002.

**Benchmark 3
Production Costs**

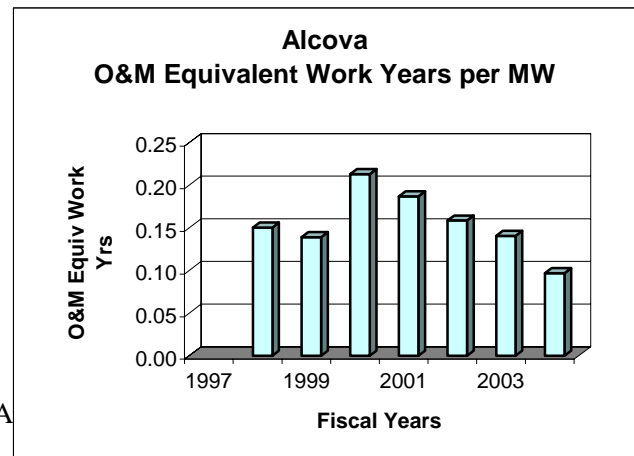
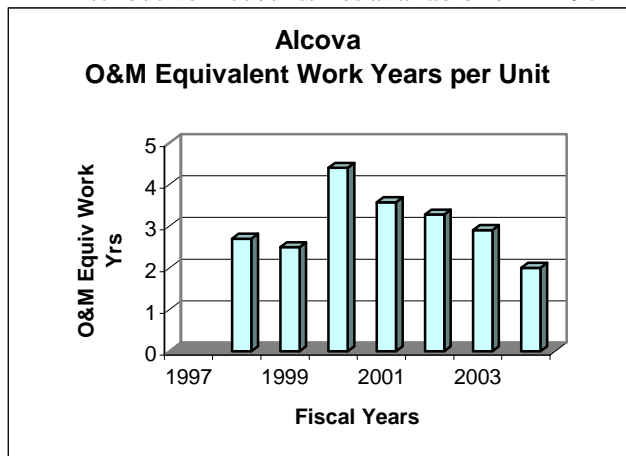


**^Benchmark 4
Workforce Deployment**

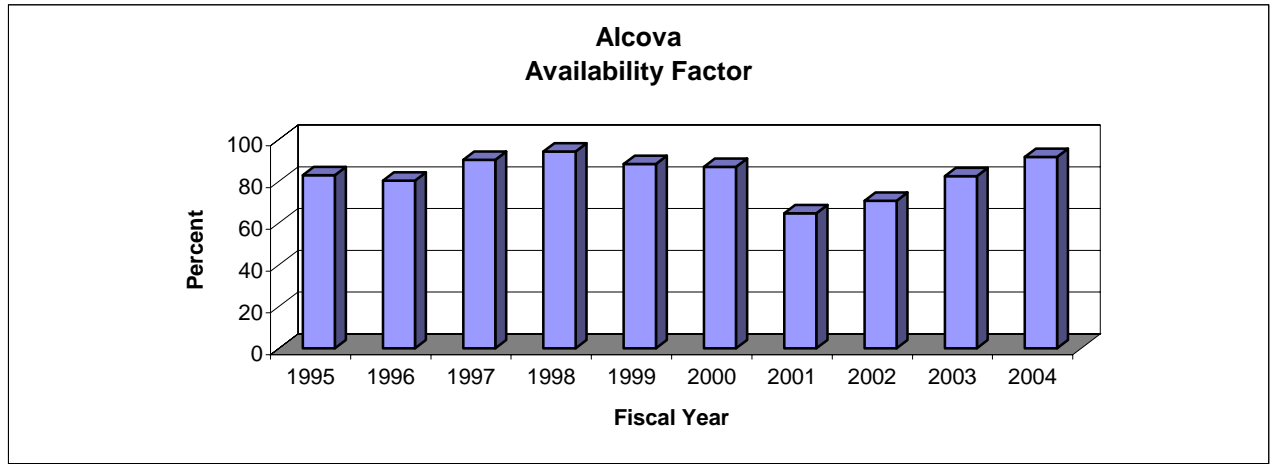
Alcova FY-2004 Equivalent Work Year Staffing Levels						
	Equivalent Work Year Staffing Charged to Powerplant	Leave Additive	Denver and Washington Equivalent Work Year Staffing Additive	Total Equivalent Work Year Staffing Allocated to Powerplant	Total Equivalent Work Year Staffing per Generating Unit	Total Equivalent Work Year Staffing per Megawatt
General	0.00	0.00	0.03	0.03	0.02	0.00
Operation	1.05	0.12	0.00	1.17	0.58	0.03
Maintenance	2.54	0.29	0.00	2.84	1.42	0.07
Total Staffing	3.59	0.41	0.03	4.04	2.02	0.10



Distributive Accounts not available for FY-97

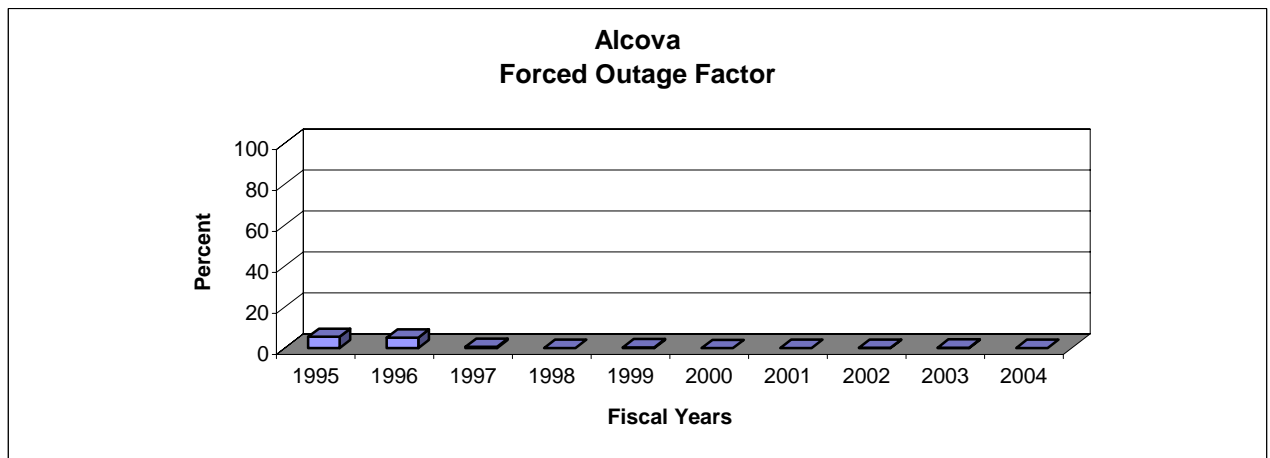


**Benchmark 5
Plant Availability Factor**

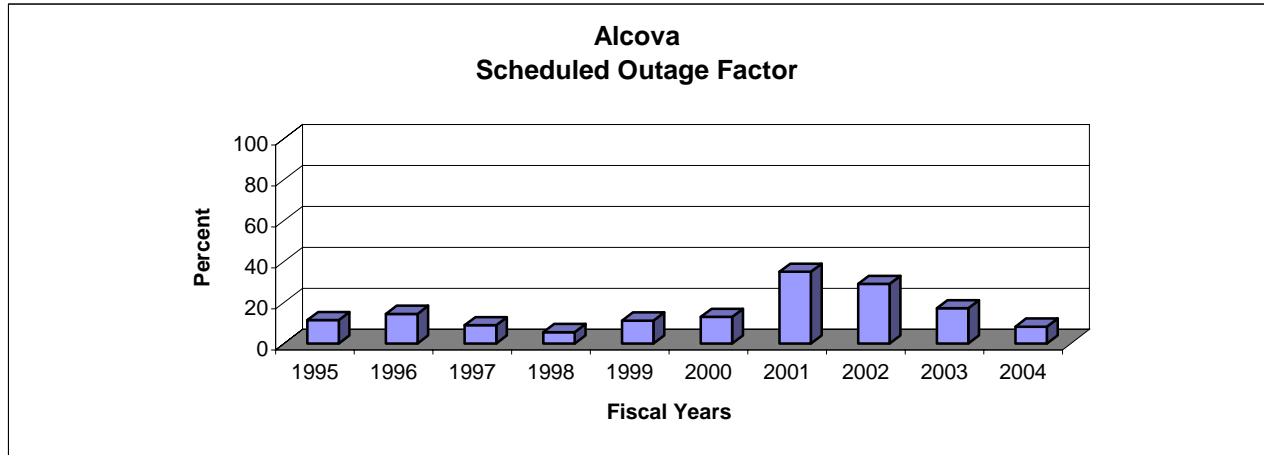


FY-2001 - Extended outage on Unit 2 for rewind and overhaul.
FY-2002 - Extended outage on Unit 1 for rewind and overhaul.

**Benchmark 6
Plant Forced Outage Factor**

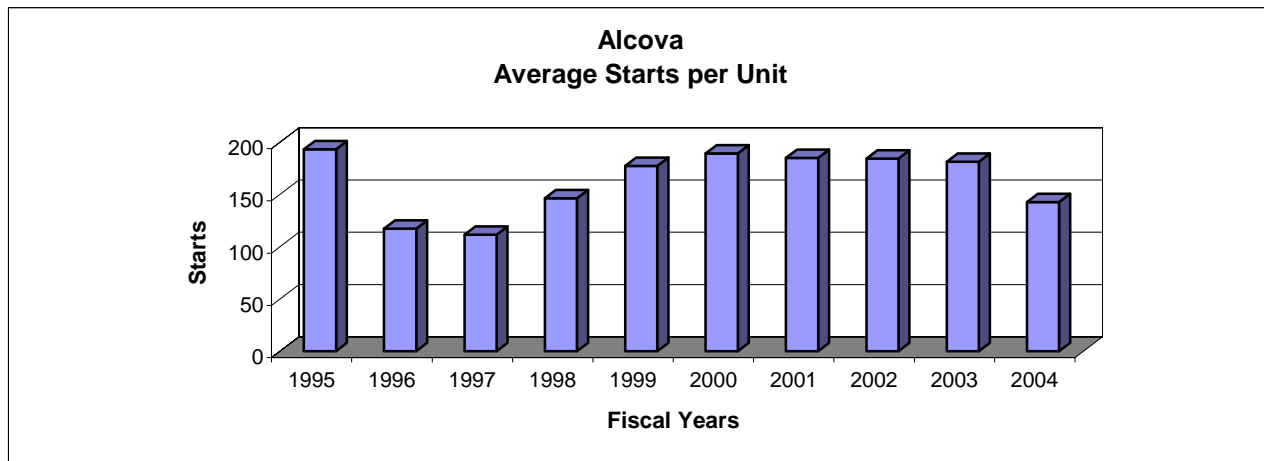


**Benchmark 7
Plant Scheduled Outage Factor**



FY-1996 - Units 1 and 2 transformers replaced
FY-2001 - Extended outage on Unit 2 for rewind and overhaul.
FY-2002 - Extended outage on Unit 1 for rewind and overhaul.
FY-2003 - Unit 2 scheduled outage extended to rebuild governor after the annual inspection.

Unit Starts



Benchmark Data Comparison					
Fiscal Year 2004	Alcova Powerplant	Reclamation Average 30-100 MW Group	Total Reclamation Average	Industry Average	Best Performers
Wholesale Firm Rate (Mills/kWh)	21.7?	Not Applicable	*21.06	Not Applicable	Not Applicable
Production Costs as Percentage of Wholesale Firm Rate	1.94%	Not Applicable	13.5?%	Not Applicable	Not Applicable
O&M Costs (\$/MWh)	10.16	7.90	2.77	48.48	1.23
O&M Costs (\$/MW)	16,926.95	19,931.46	7,316.97	26,917.84	2,951.22
O&M Equivalent Work Year (Staffing per MW)	0.10	0.11	0.04	Not Available	0.0000
Availability Factor (%)	91.72	88.1?	86.9?	**89.2?	99.97
Forced Outage Factor (%)	0.08	0.3?	0.7?	**1.9?	0.00
Scheduled Outage Factor (%)	8.21	11.5?	12.4?	**8.9?	0.02

*Weighted by Net Generation
**2003 NERC Average

