

Keswick Powerplant
100-500 MW

Ancillary Services

**Keswick
Ancillary Services**

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

Generators

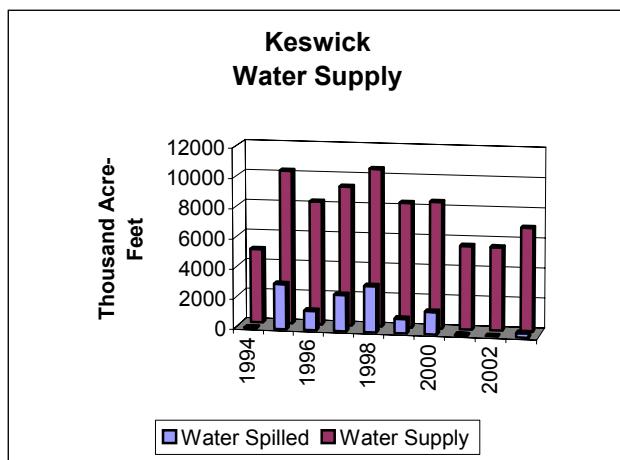
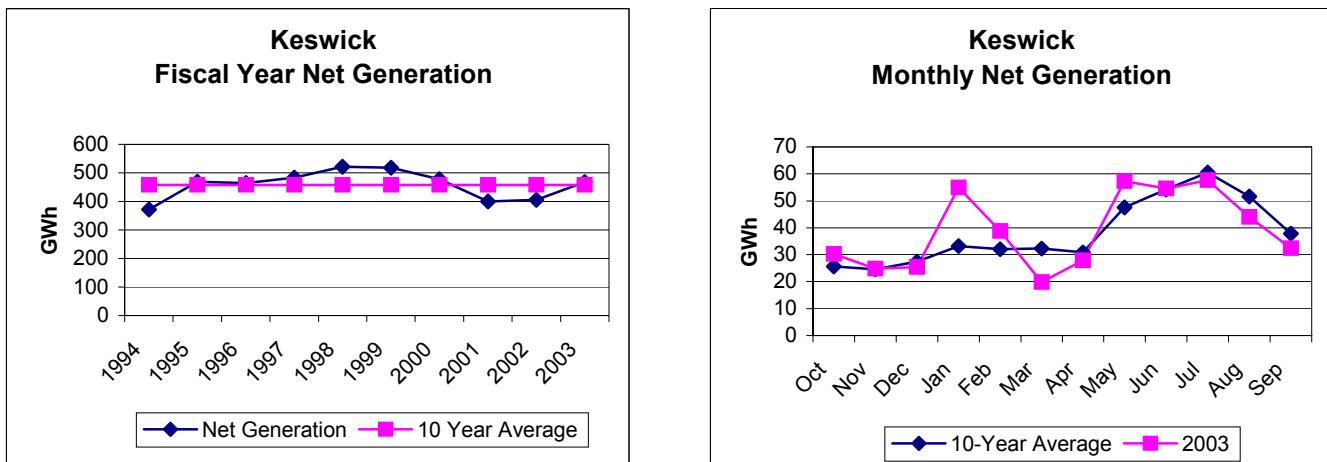
Keswick Generators

Existing Number and Capacity

Unit #	Original Capacity (kW)	Capacity Increased (kW)	Present Capacity (kW)
1	25,000	14,000	39,000
2	25,000	14,000	39,000
3	25,000	14,000	39,000
3 Units	75,000	42,000	117,000

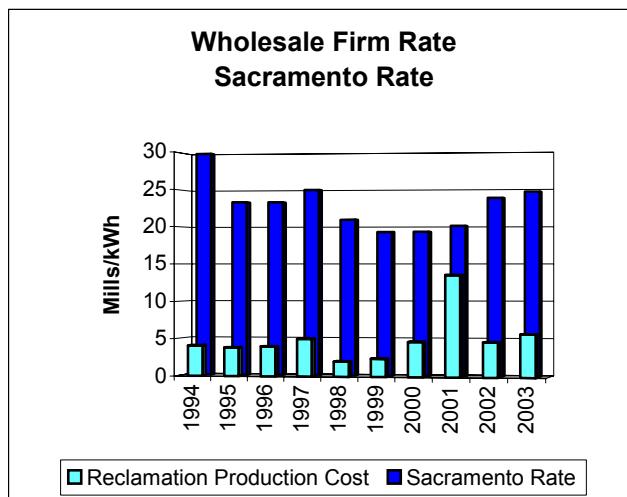
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Generation

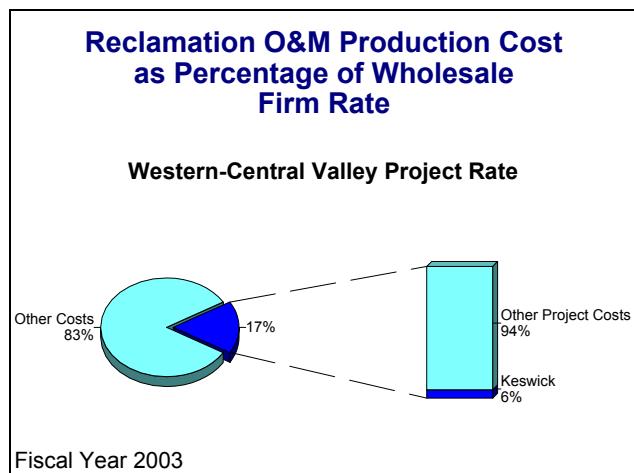


Prime Laboratory Benchmarks

Benchmark 1 **Wholesale Firm Rate**

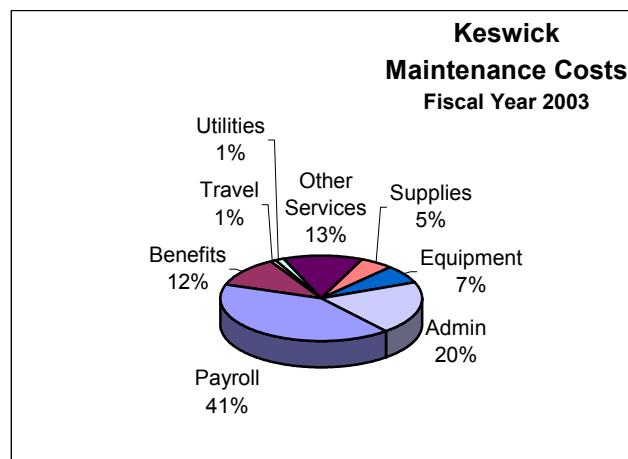
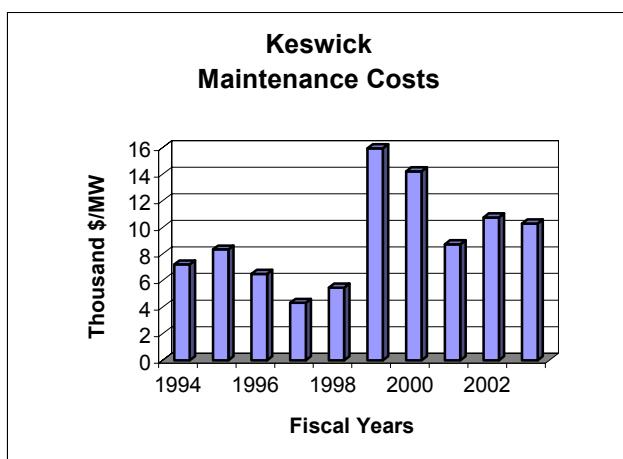
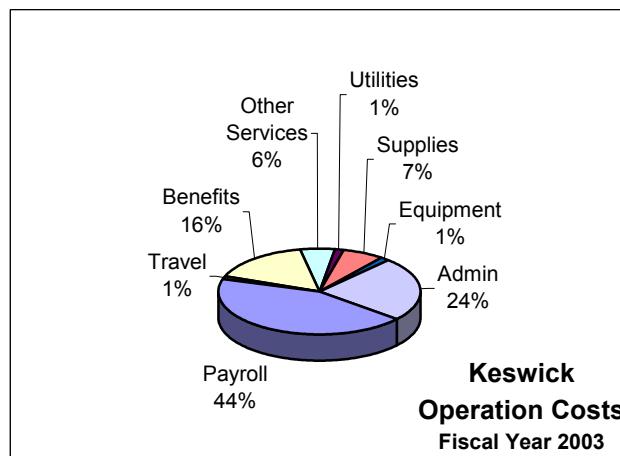
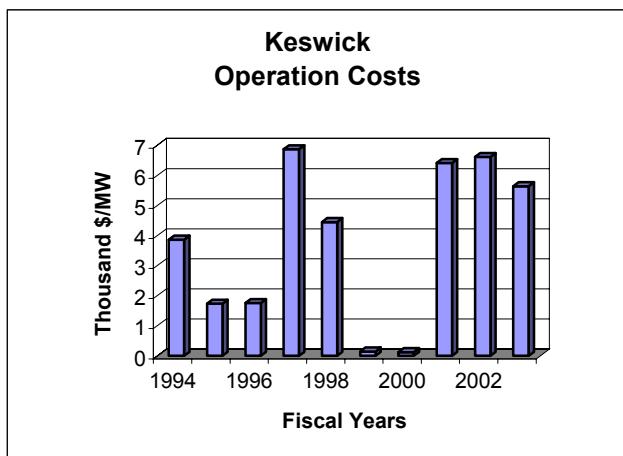


Benchmark 2 **Reclamation's Production Cost as Percentage of Wholesale Firm Rate**

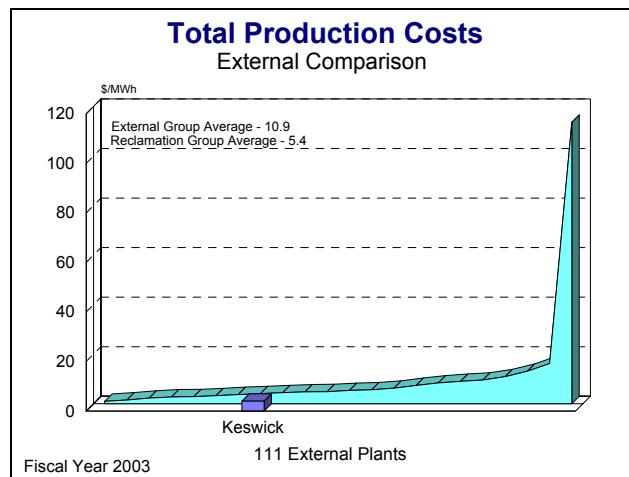
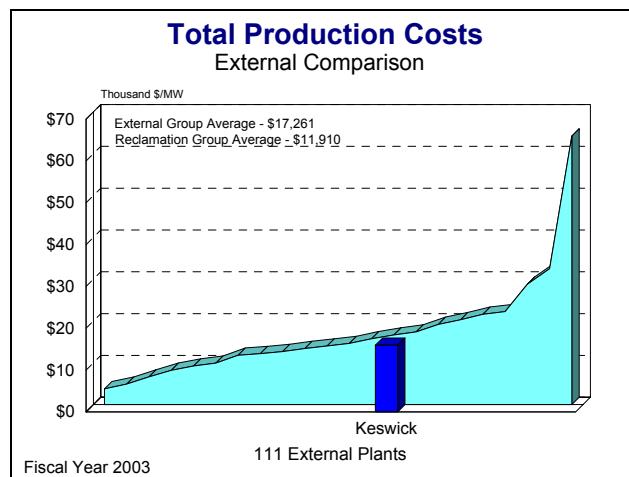
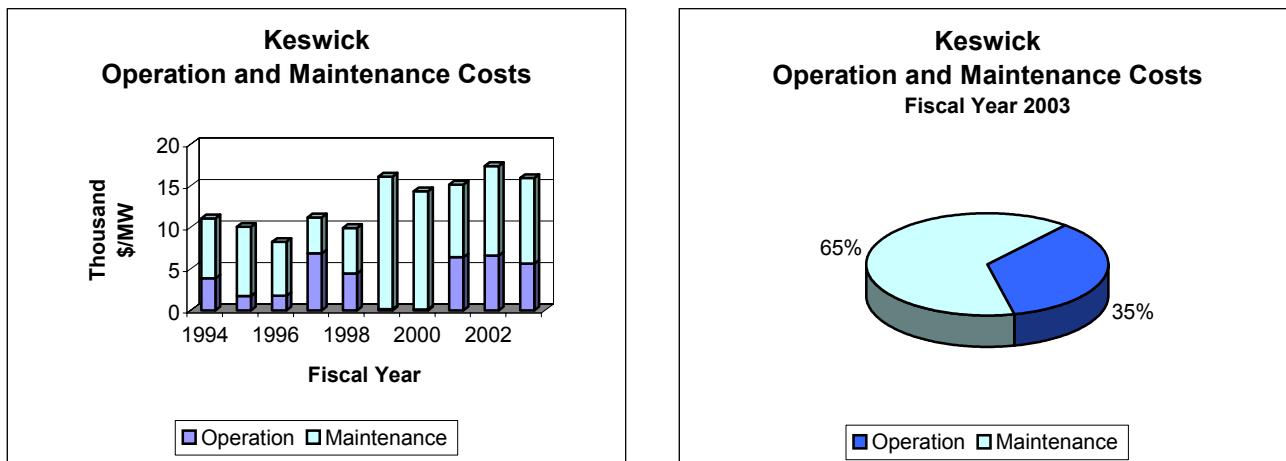


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Benchmark 3
Production Cost

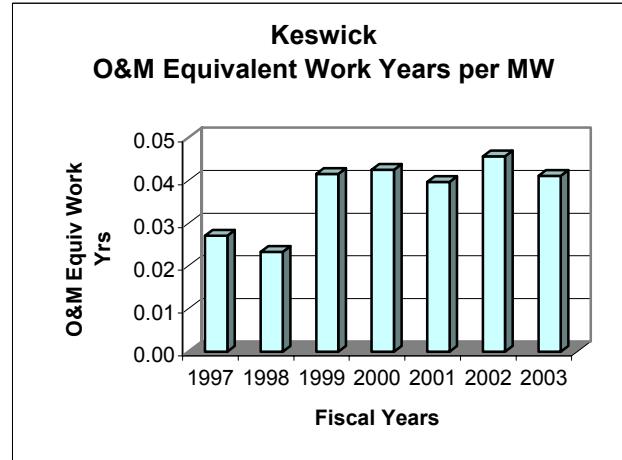
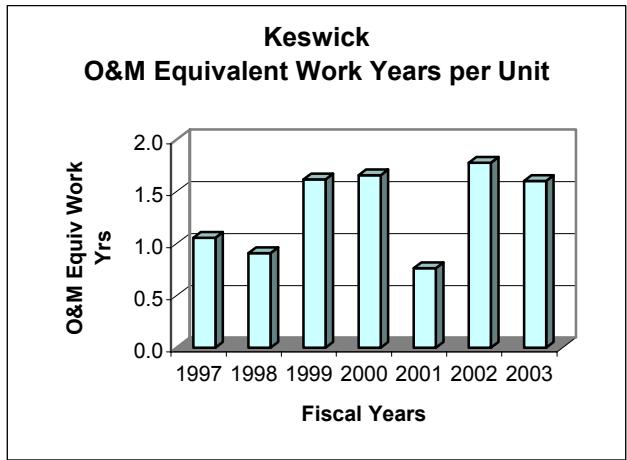
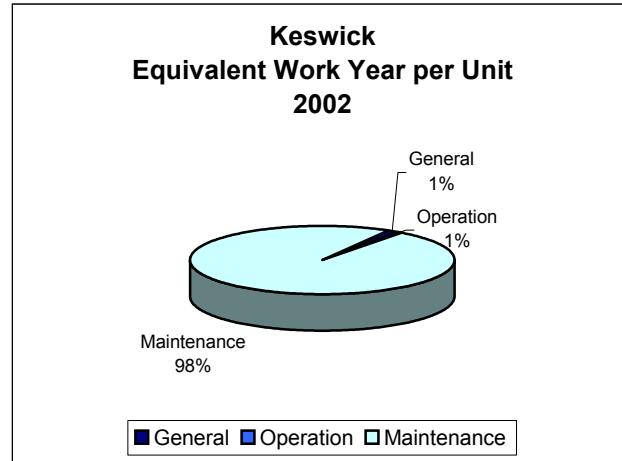
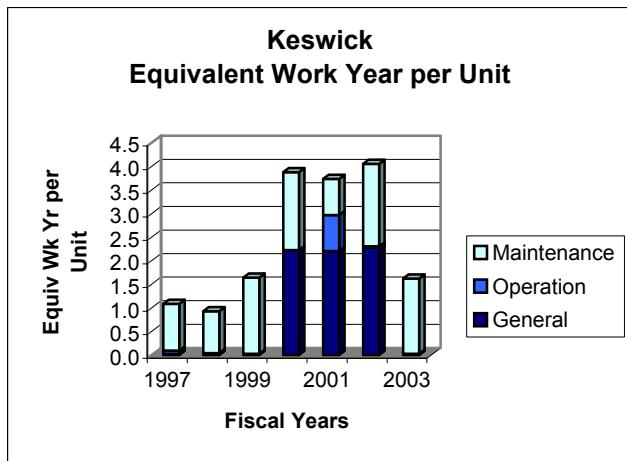


Benchmark 3
Production Cost

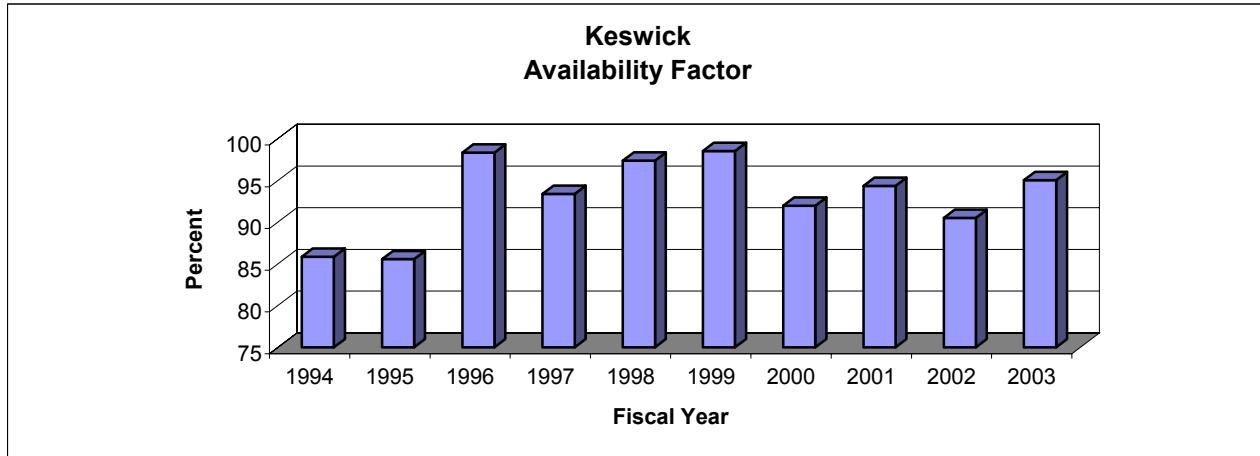


Benchmark 4
Workforce Deployment

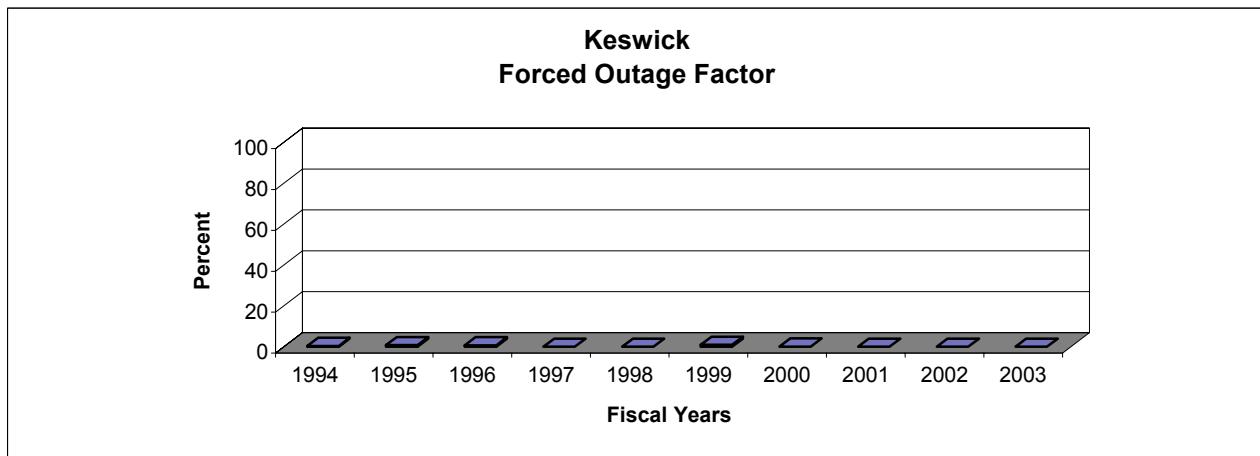
Keswick 2003 Equivalent Work Year Levels						
	Equiv Work Year Charged to Powerplant	Leave Additive	Denver and Washington Equiv Work Year Additive	Total Equiv Work Year Allocated to Powerplant	Total Equiv Work year per Generating Unit	Total Equiv Work Year per Megawatt
General	0	0	0.07	0.07	0.02	0.00
Operation	0.02	0	0	0.03	0.01	0
Maintenance	4.28	0.5	0	4.78	1.59	0.041
Total Staffing	4.3	0.5	0.07	4.87	1.62	0.04



Benchmark 5
Availability Factor

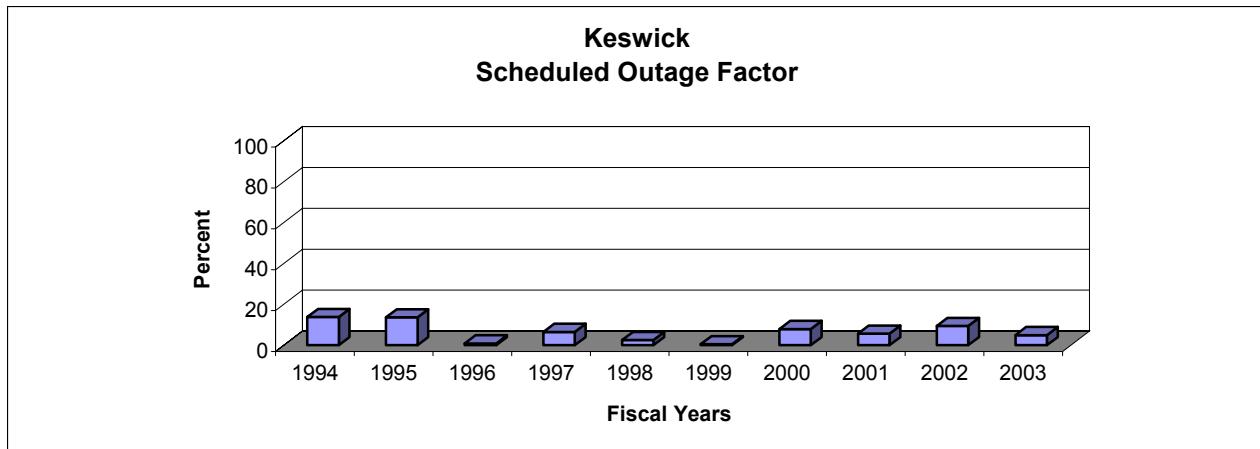


Benchmark 6
Forced Outage Factor

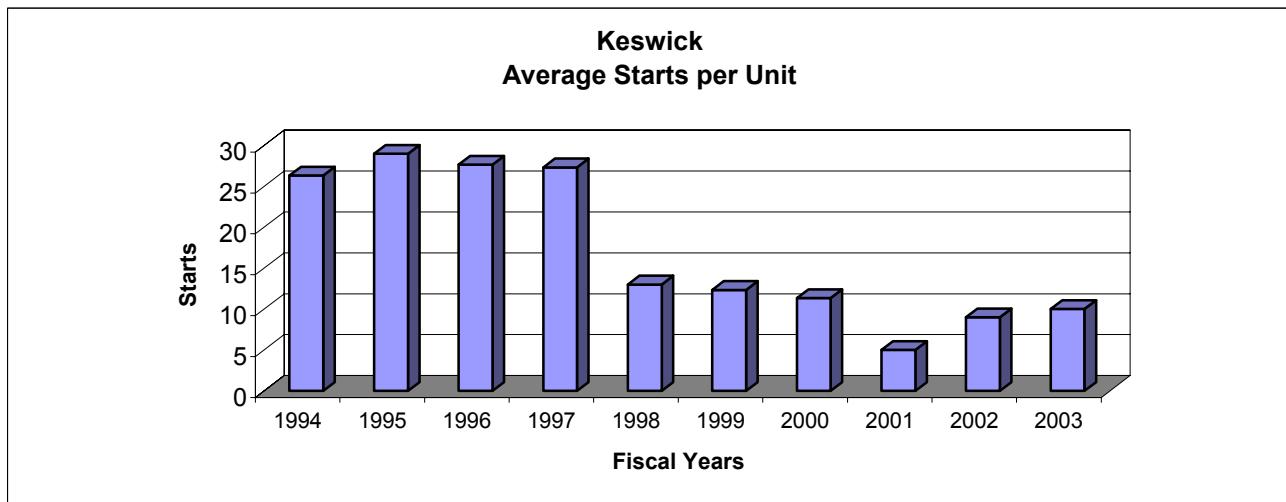


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Benchmark 7
Scheduled Outage Factor



Starts



Benchmark Data Comparison

Fiscal Year 2003	Keswick Powerplant	Reclamation Average 100-500 MW Group	Total Reclamation Average	Industry Average	Best Performers
Wholesale Firm Rate Mills/kWh	24.6	Not Applicable	*23.1	Not Available	Not Available
Production Cost as Percentage of Wholesale Firm Rate	1.1%	Not Applicable	12.0%	Not Applicable	Not Applicable
O&M Cost \$/MWh	4.0	4.5	2.7	10.9	1.1
O&M Costs \$/MW	15,940	10,924	7,315	17,261	3,108
O&M Equiv Work Year per MW	0.04	0.1	0.04	Not Available	0.01
Availability Factor	95.0	87.6	83.6	**88.9	99.1
Forced Outage Factor	0.0	0.8	1.5	**2.4	0.0
Scheduled Outage Factor	5.0	11.7	14.9	**8.7	0.0

*Weighted by Net Generation

**2002 NERC Average