

**New Melones Powerplant
100-500 MW**

Ancillary Services

**New Melones
Ancillary Services**

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

Generators

New Melones Generators

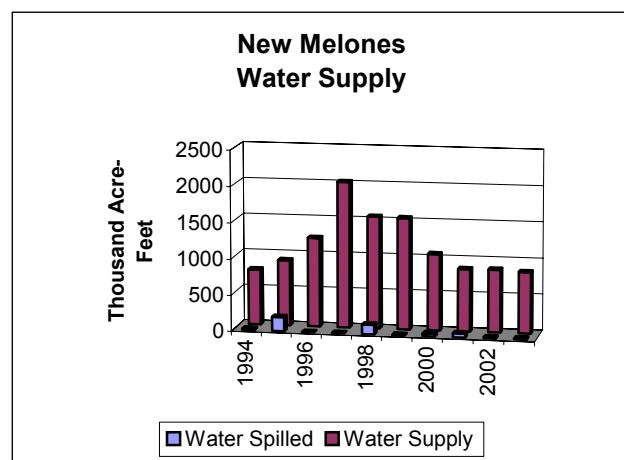
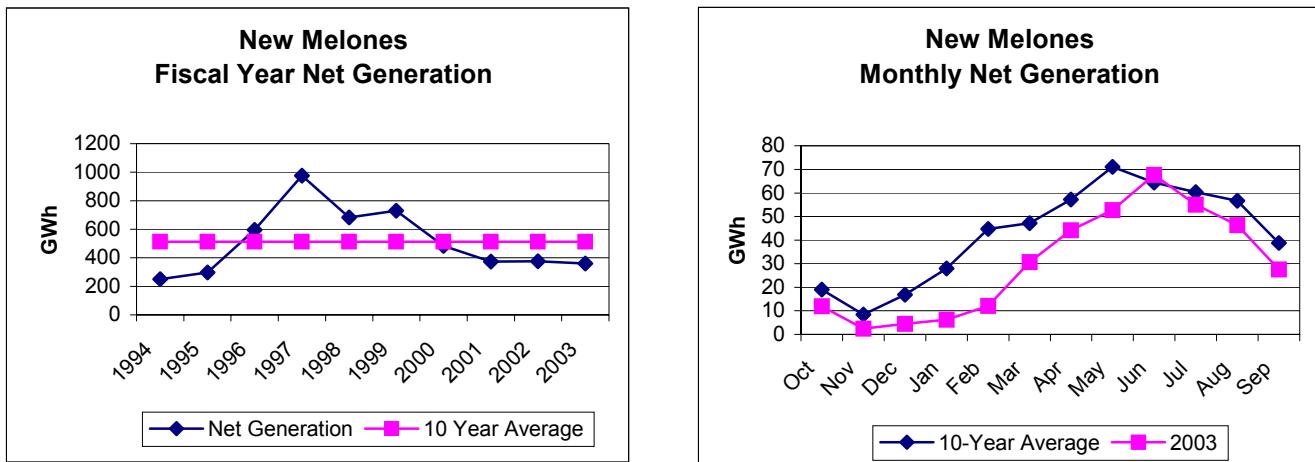
Existing Number and Capacity

Unit #	Original Capacity (kW)	Capacity Increased (kW)	Present Capacity (kW)
1	150,000	0	150,000
2	150,000	0	150,000
2 Units	300,000	0	300,000

The maximum operational capacity is 380,000 kW

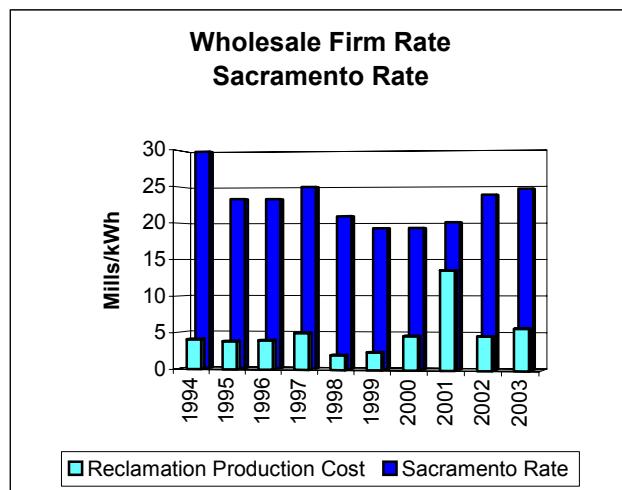
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Generation

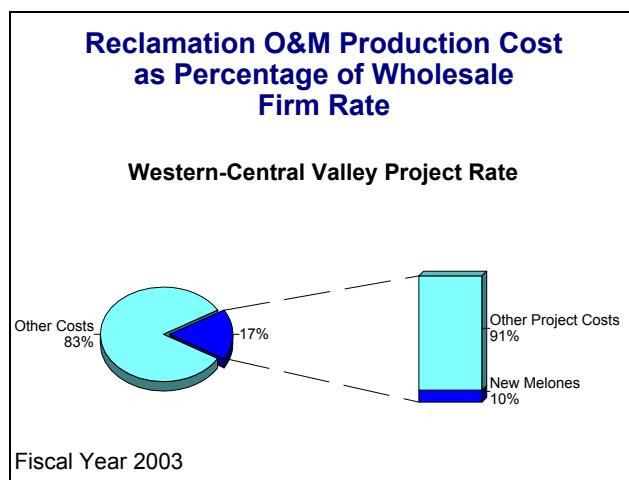


Prime Laboratory Benchmarks

Benchmark 1
Wholesale Firm Rate

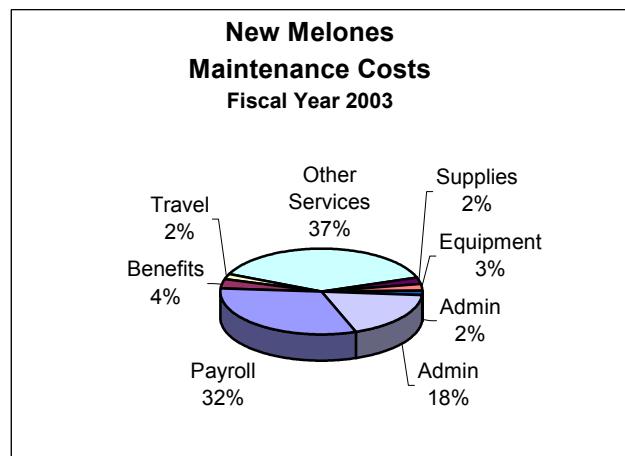
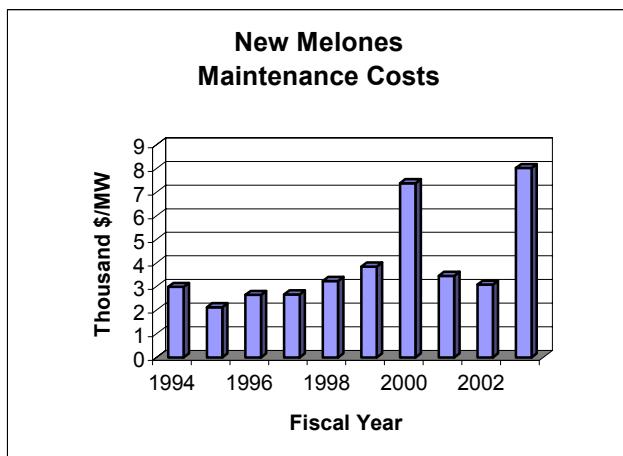
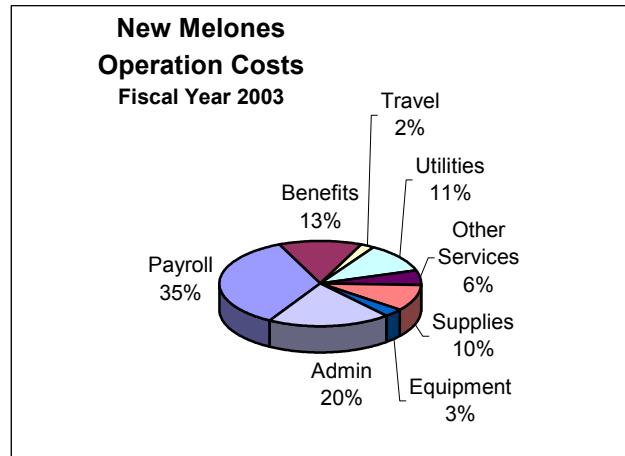
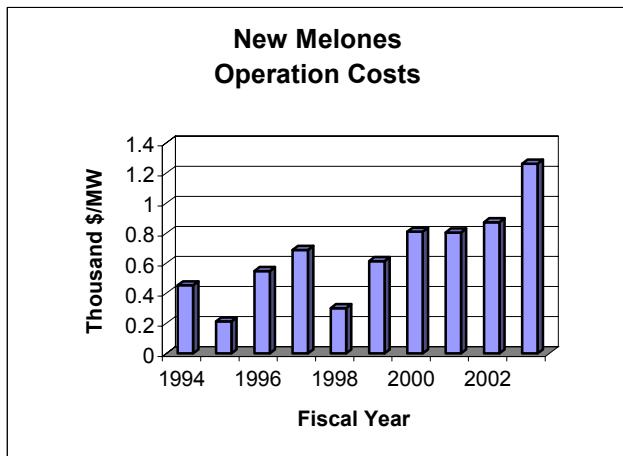


Benchmark 2
Reclamation's Production Cost as Percentage of Wholesale Firm Rate



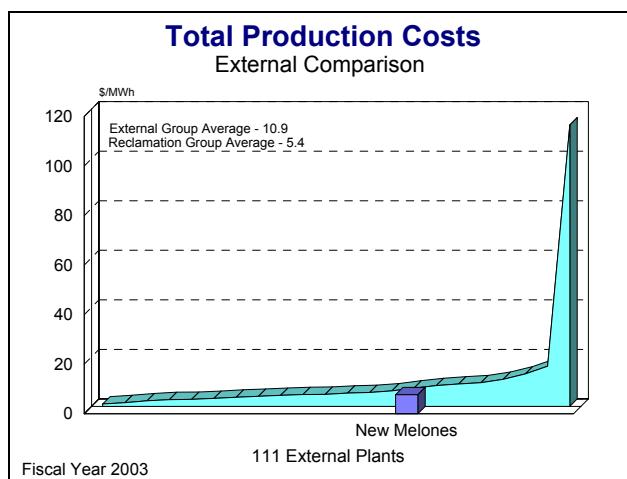
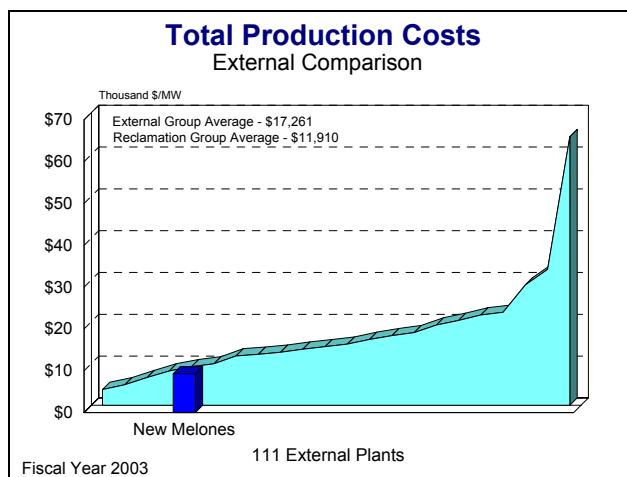
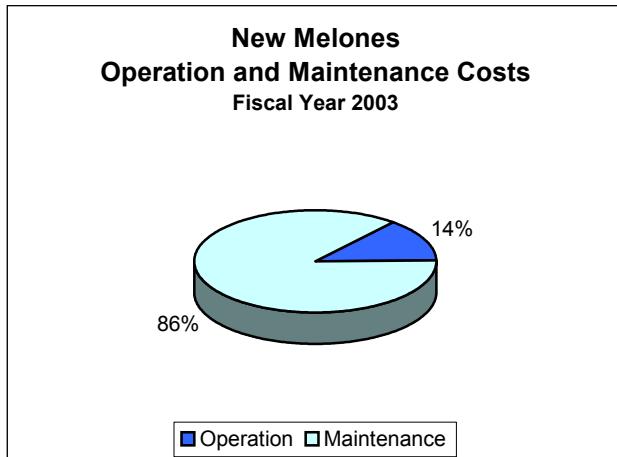
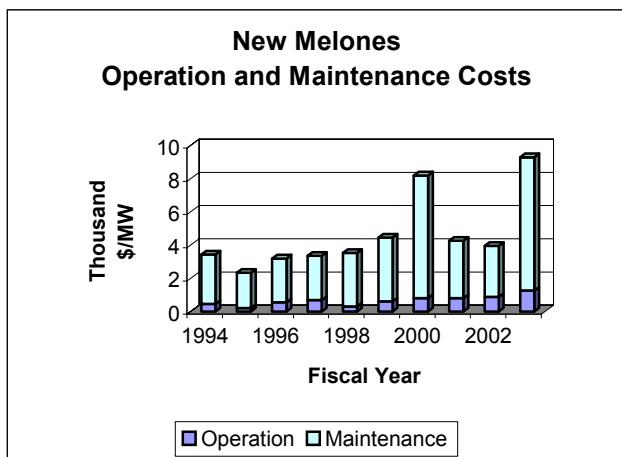
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Benchmark 3
Production Cost



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Benchmark 3
Production Cost

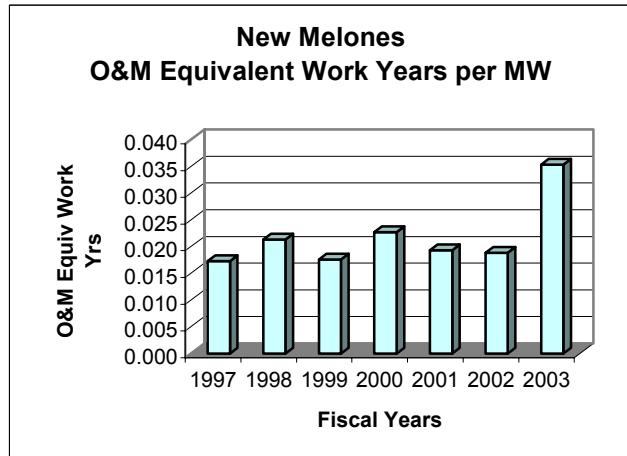
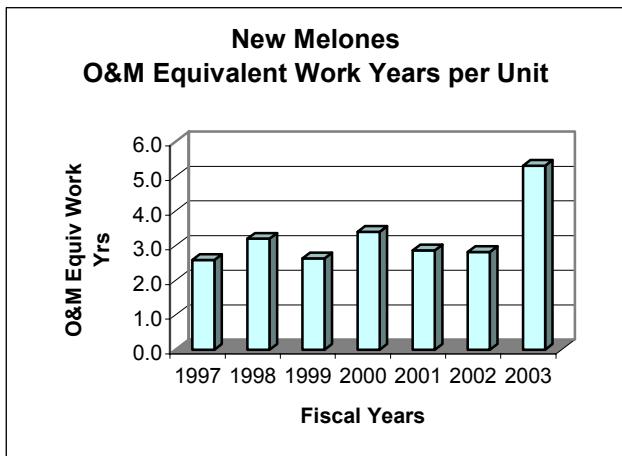
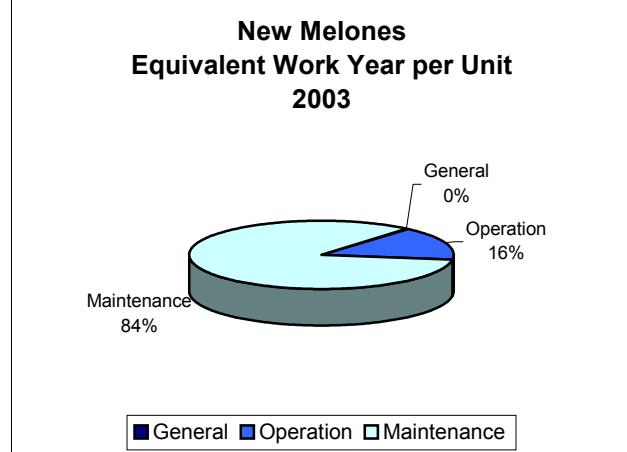
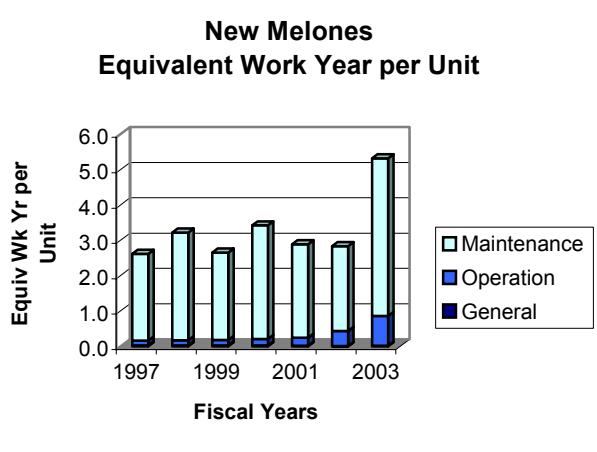


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Benchmark 4
Workforce Deployment

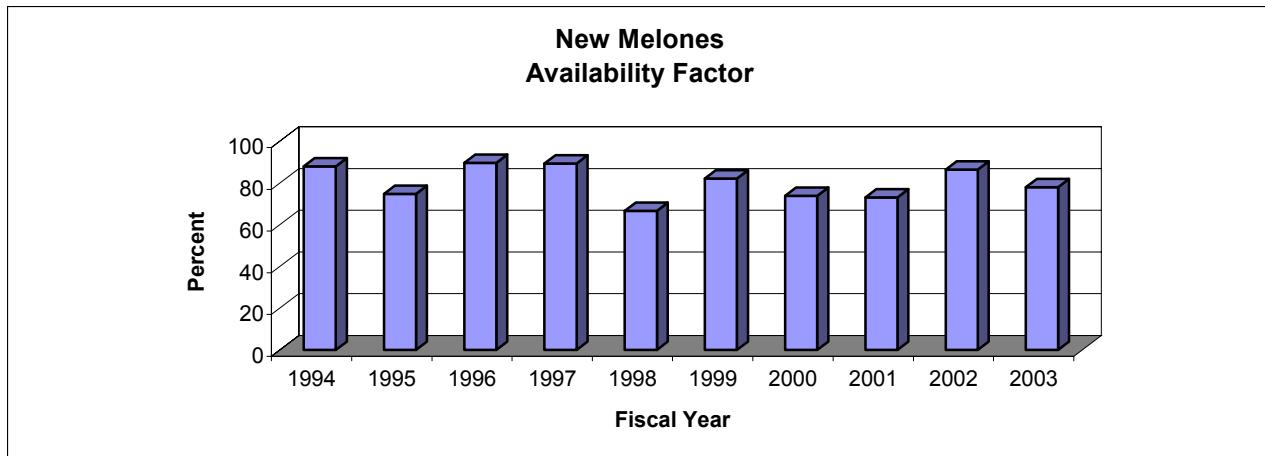
New Melones
2003 Equivalent
Work Year Levels

	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	0.04	0.04	0.02	0
Operation	1.51	0.18	0	1.68	0.84	0.006
Maintenance	7.99	0.93	0	8.92	4.46	0.03
Total Staffing	9.49	1.1	0.04	10.64	5.32	0.04



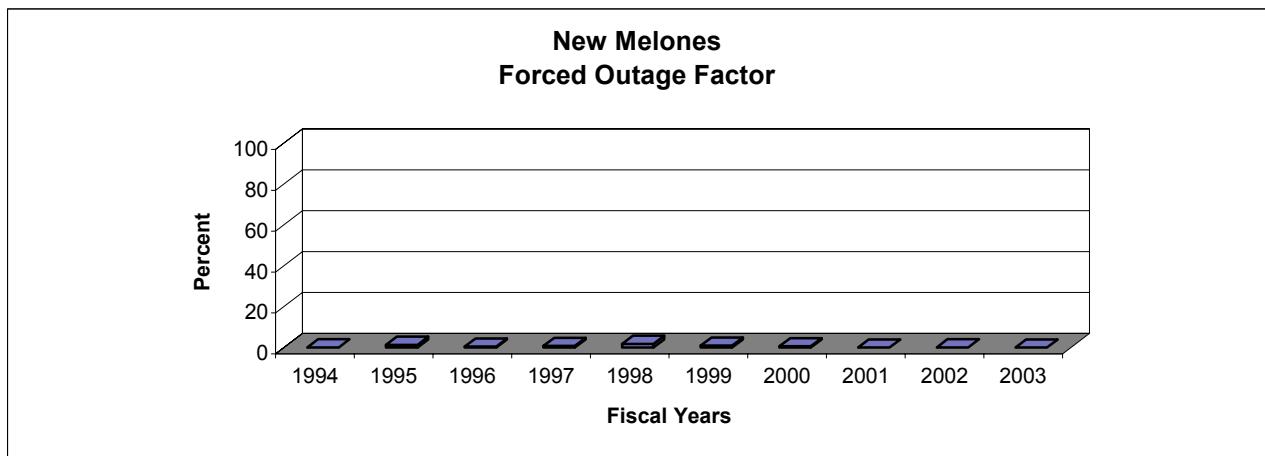
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**Benchmark 5
Availability Factor**



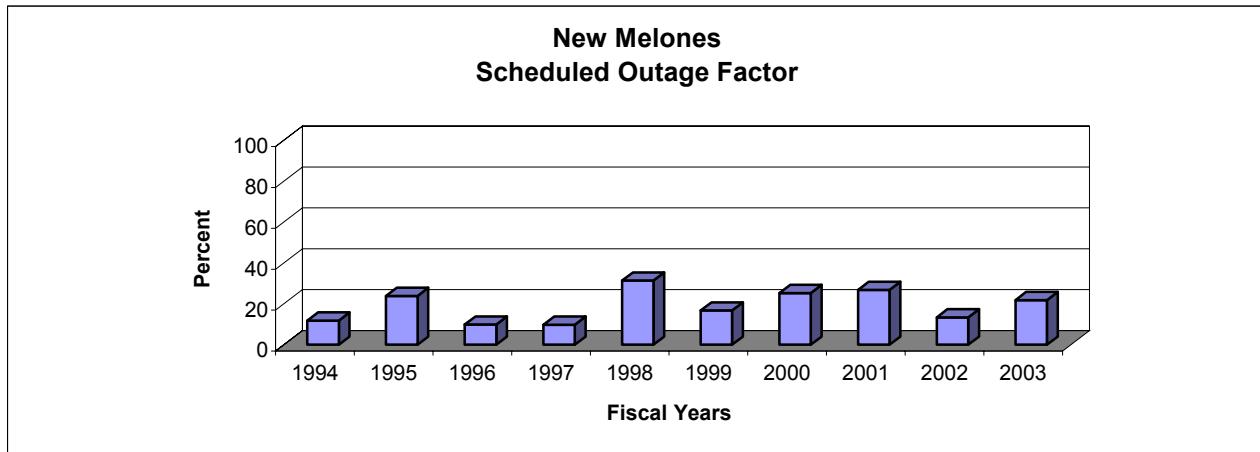
FY-95 - Extended maintenance - limited water supply

**Benchmark 6
Forced Outage Factor**



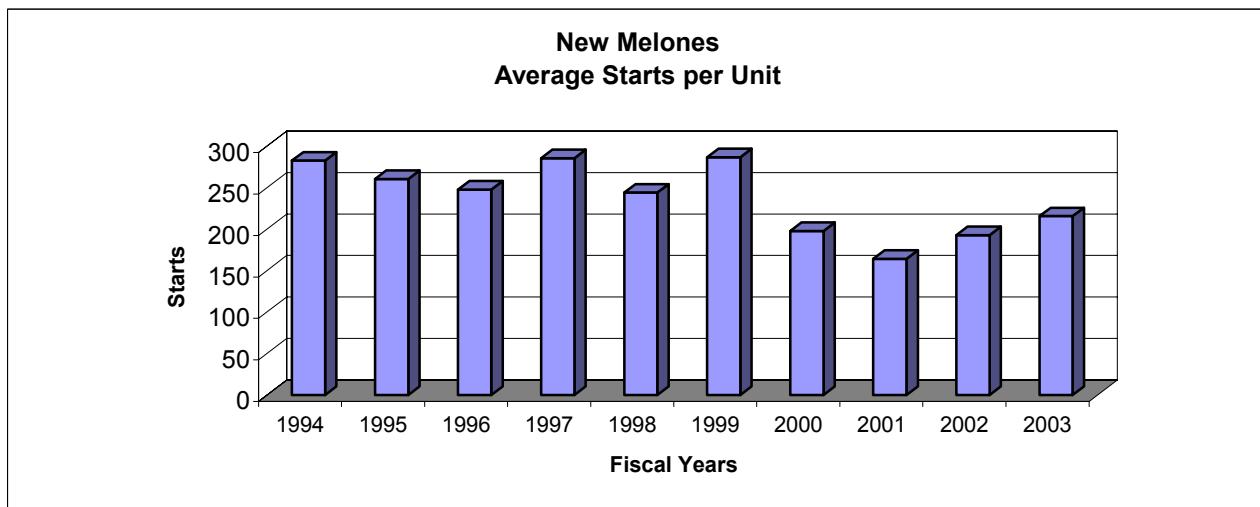
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**Benchmark 7
Scheduled Outage Factor**



FY-95 - Extended maintenance - limited water supply

Starts



Benchmark Data Comparison

Fiscal Year 2003	New Melones 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	1.6%	Not Applicable	12.0%	Not Applicable	Not Applicable
O&M Cost \$/MWh	7.7	4.5	2.7	10.9	1.1
O&M Costs \$/MW	9,281	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	78.1	87.6	83.6	**88.9	99.1
Forced Outage Factor	0.0	0.8	1.5	**2.4	0.0
Scheduled Outage Factor	21.8	11.7	14.9	**8.7	0.0

*Weighted by Net Generation

**2002 NERC Average