

**Seminole Powerplant
Kendrick Project**

Ancillary Services

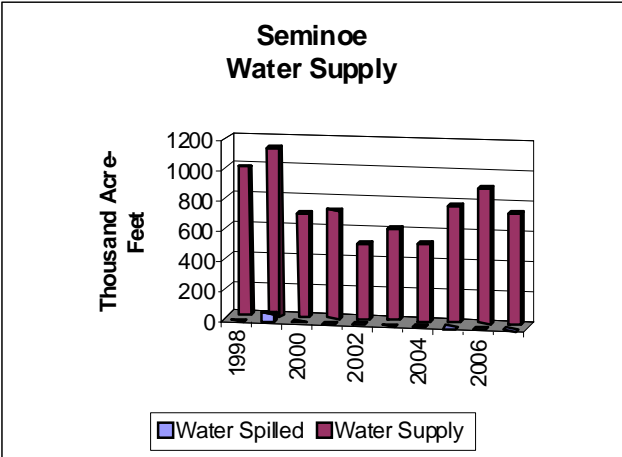
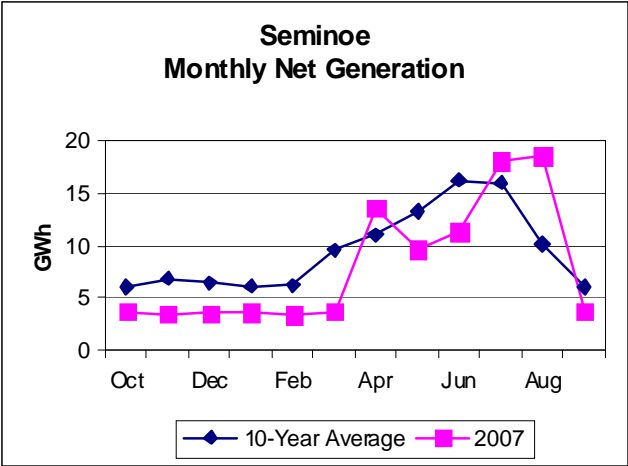
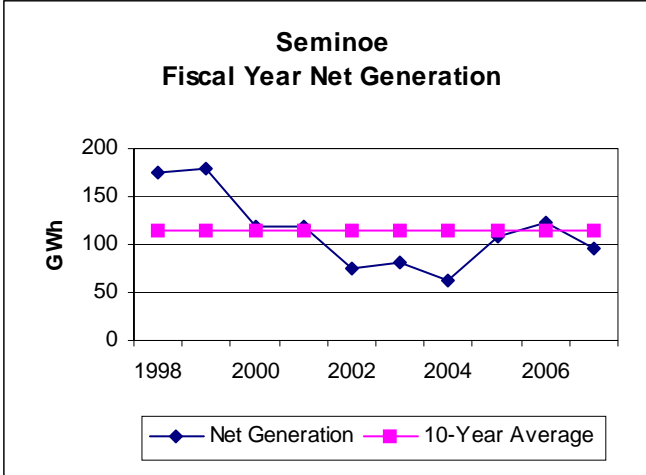
Seminole Ancillary Services	
Spinning Reserve	Yes
Non-Spinning Reserve	Yes
Replacement Reserve	Yes
Regulation/Load Following	Yes
Black Start	No
Voltage Support	Yes

Generators

Seminole Generators			
Existing Number and Capacity			
Unit #	Original Capacity (kW)	Capacity Increased (kW)	Present Capacity (kW)
1	10,800	6,450	17,250
2	10,800	6,450	17,250
3	10,800	6,450	17,250
3 units	32,400	19,350	51,750

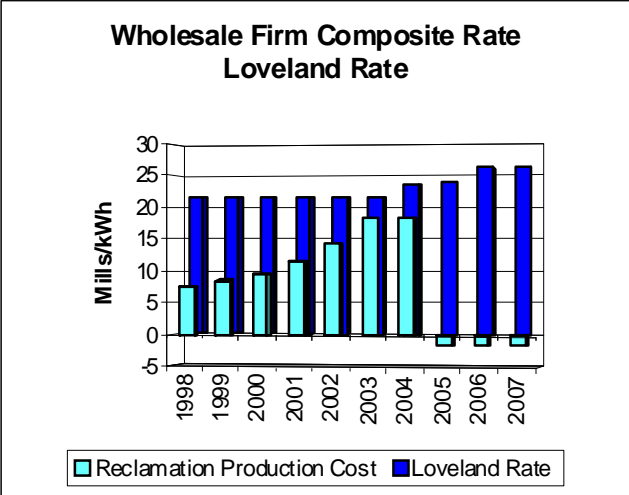
**Seminole Powerplant
30-100 MW**

Generation

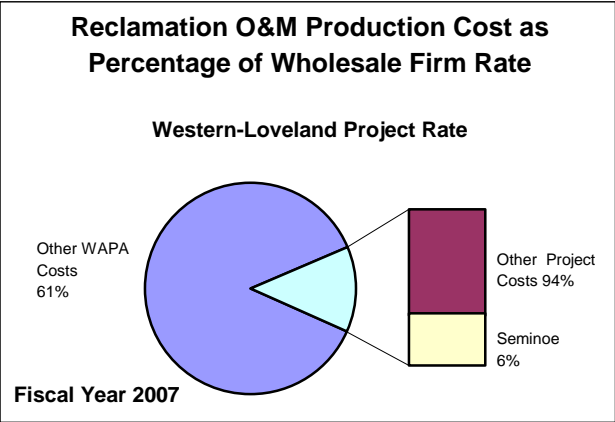


Prime Laboratory Benchmarks

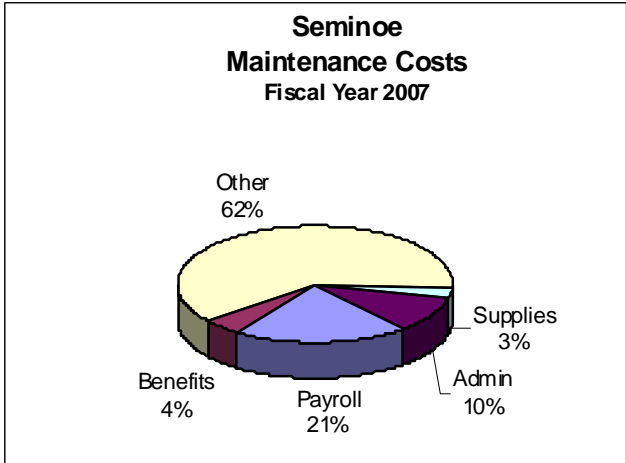
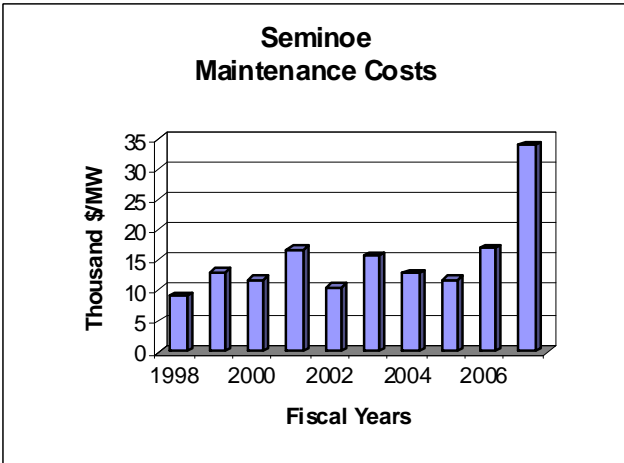
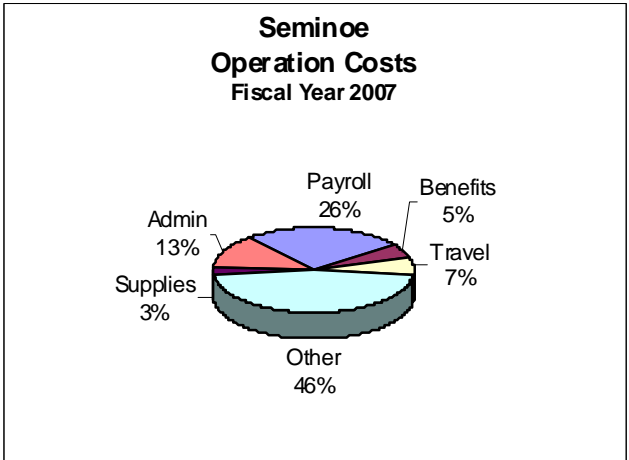
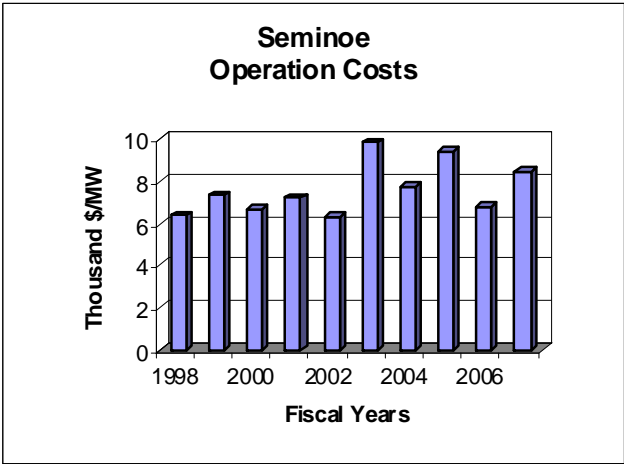
**Benchmark 1
Wholesale Firm Rate**



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

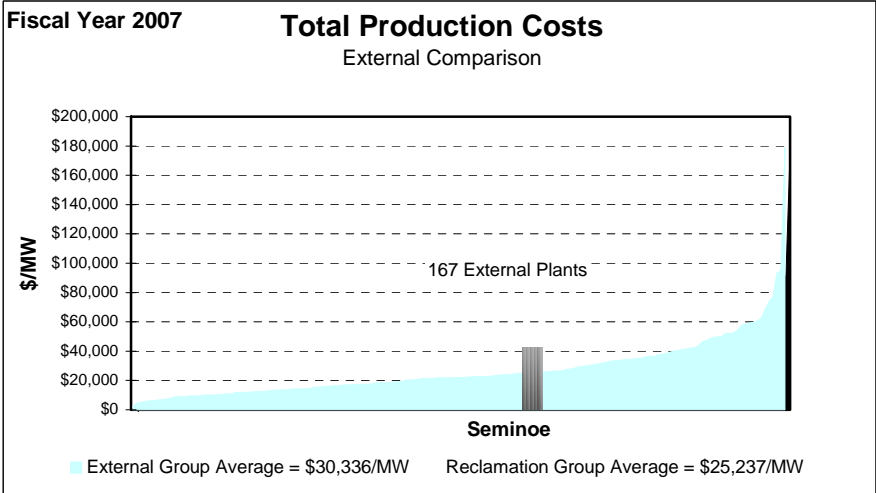
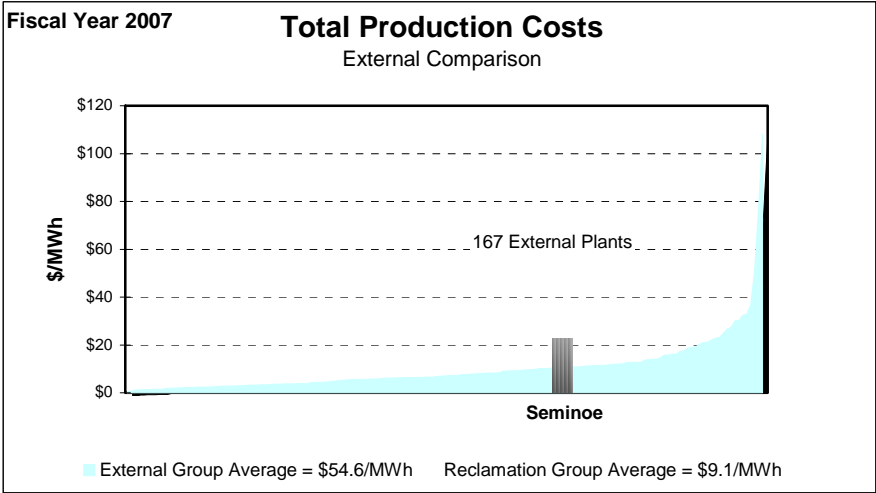
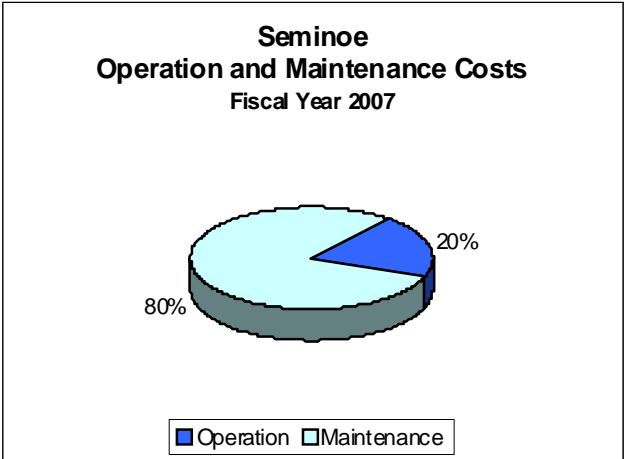
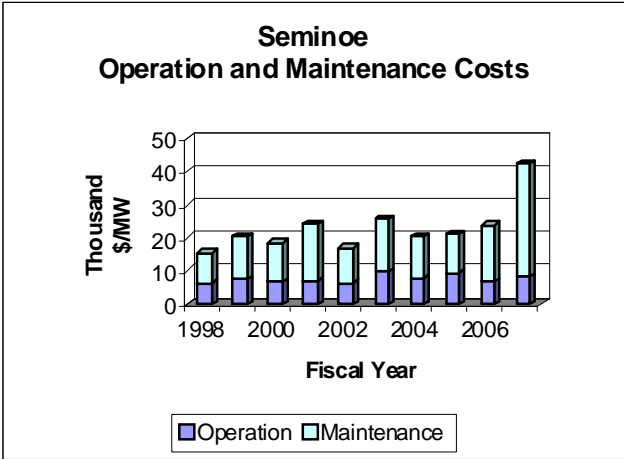


**Benchmark 3
Production Costs**



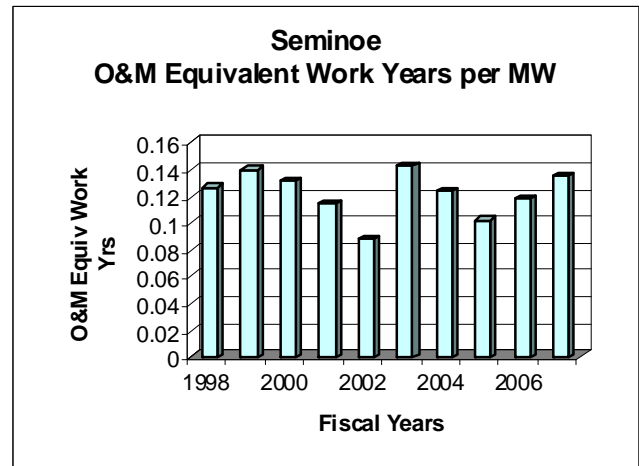
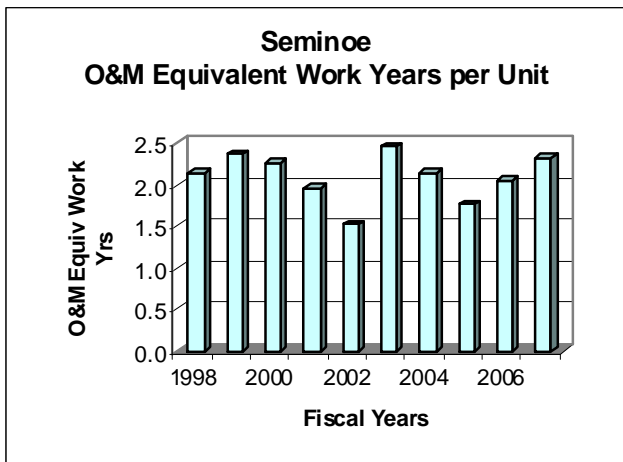
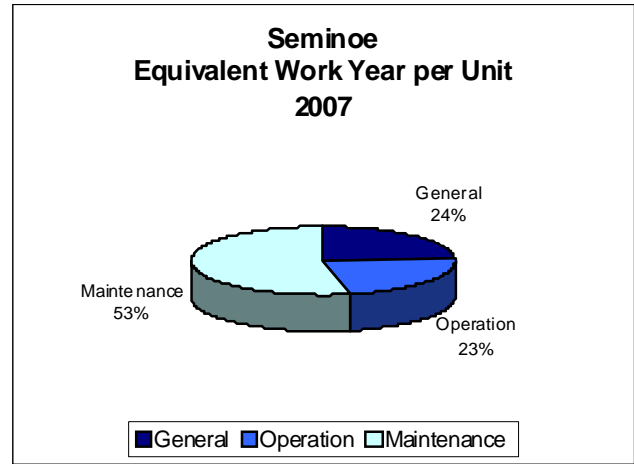
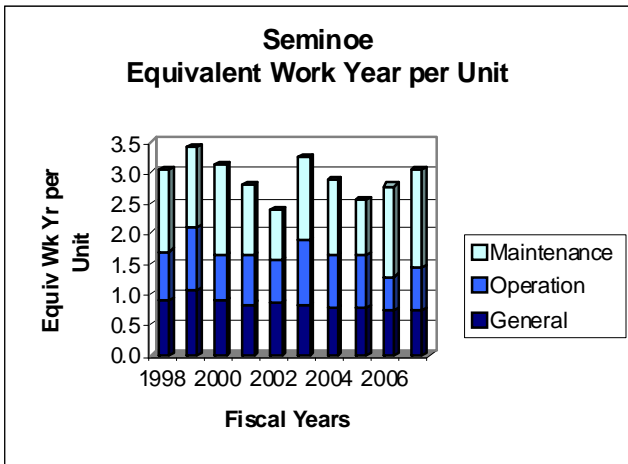
FY-2001- Significant cavitation repairs on all three units.

**Benchmark 3
Production Costs**

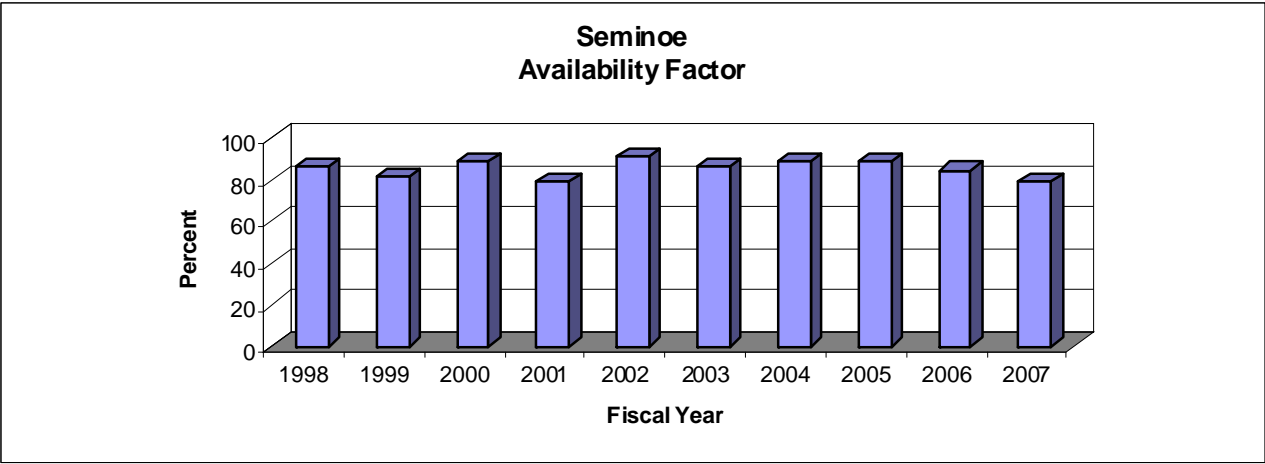


**Benchmark 4
Workforce Deployment**

Seminole 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	1.90	0.21	0.05	2.17	0.72	0.04
Operation	1.90	0.21	0.00	2.12	0.71	0.04
Maintenance	4.38	0.49	0.00	4.88	1.63	0.09
Total Staffing	8.19	0.92	0.05	9.17	3.06	0.18

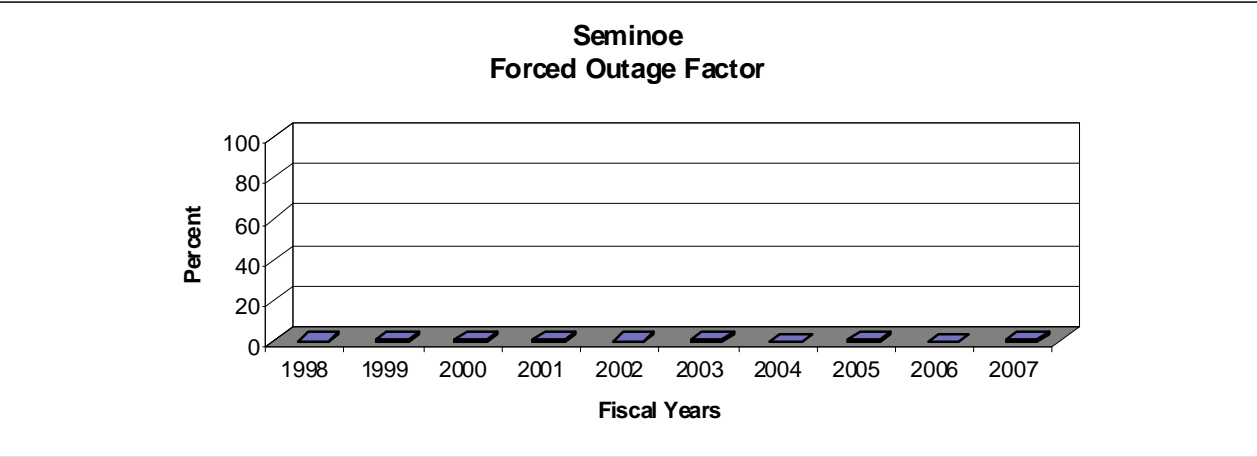


**Benchmark 5
Plant Availability Factor**

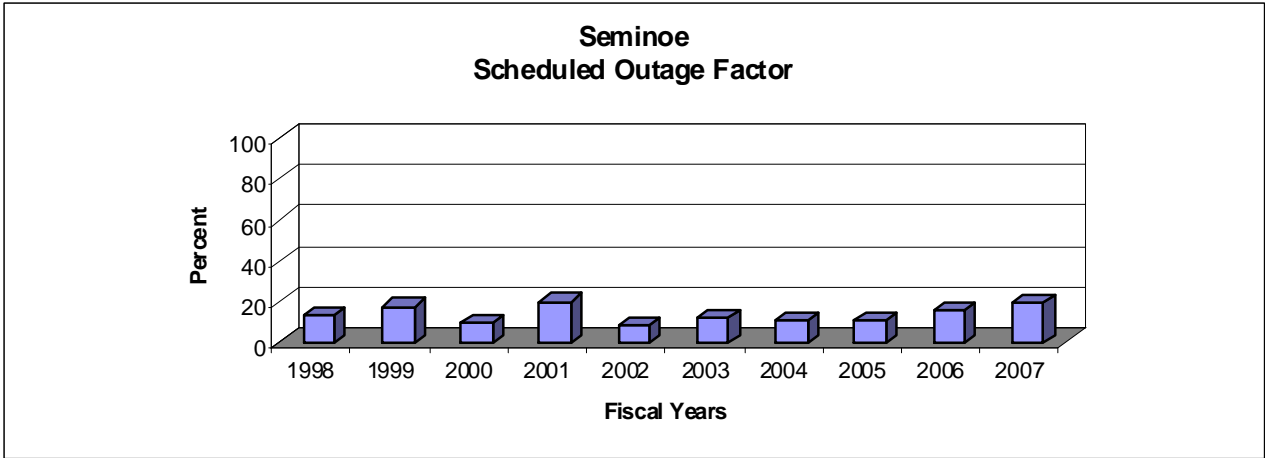


FY-2001– Extended outages on all three units for cavitation repairs

**Benchmark 6
Plant Forced Outage Factor**

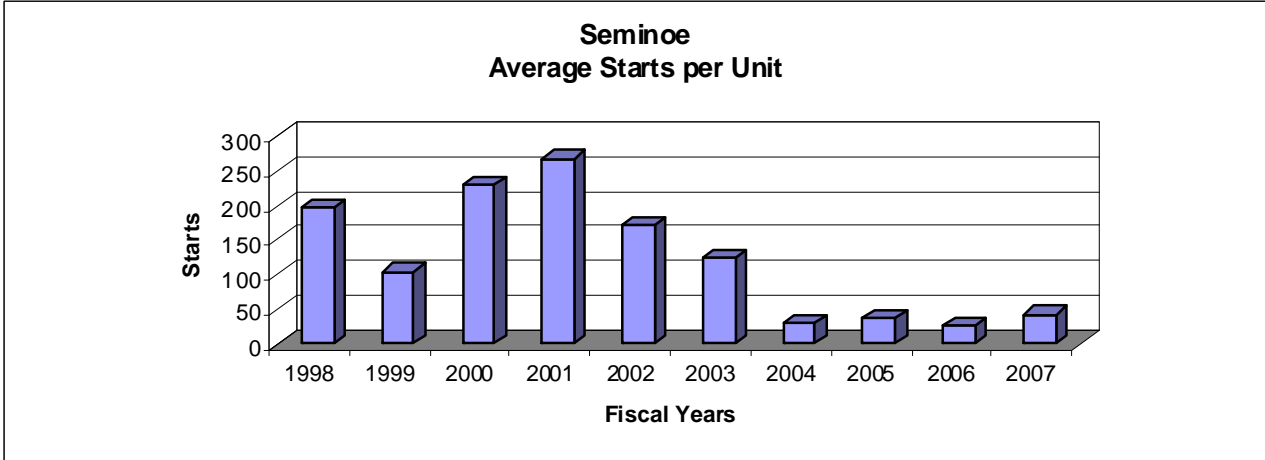


**Benchmark 7
Plant Scheduled Outage Factor**



FY-1996, and FY-1998 – Extended Maintenance.
FY-1999 – Extended maintenance of Unit 3.
FY-2000 – Replacement of Unit 3 transformer.

Unit Starts



**Seminole Powerplant
30-100 MW**

Benchmark Data Comparison					
Fiscal Year 2007	Seminole Powerplant	Reclamation Average 30- 100 MW Group	Total Reclamation Average	Industry Average	Best Performers
Wholesale Firm Rate Mills/kWh	23.9	Not Applicable	*22.45	Not Available	Not Available
Production Cost as Percentage of Wholesale Firm Rate	4.99%	Not Applicable	12.1%	Not Applicable	Not Applicable
O&M Cost \$/MWh	22.83	7.85	2.76	***54.63	1.00
O&M Costs \$/MW	42,530	24,132	7,847	***30,336	2,897
O&M Equiv Work Year per MW	0.14	0.10	0.03	Not Available	0.0
Availability Factor	79.4	81.3	82.3	**88.64	98.5
Forced Outage Factor	0.7	0.2	2.6	**2.61	0.0
Scheduled Outage Factor	19.9	18.5	15.1	**8.74	0.0

*Weighted by Net Generation

**2006 NERC Average

***Energy Information Administration Data