

Judge Francis Carr Powerplant Central Valley Project

Ancillary Services

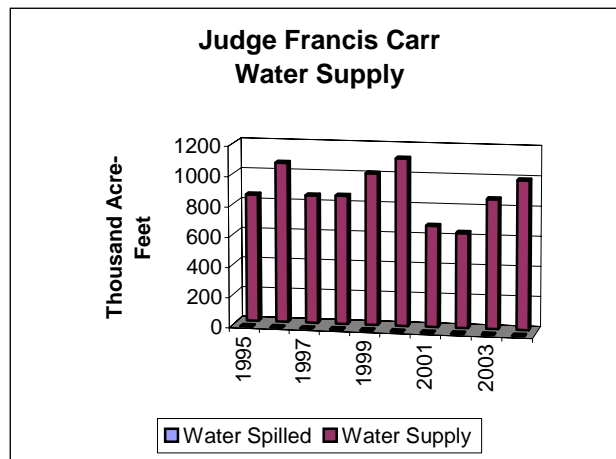
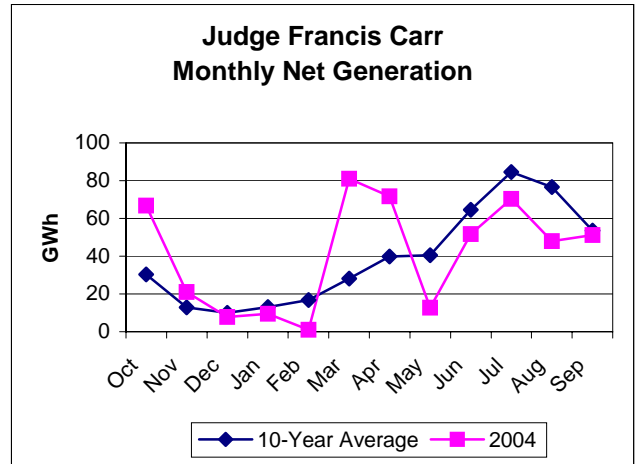
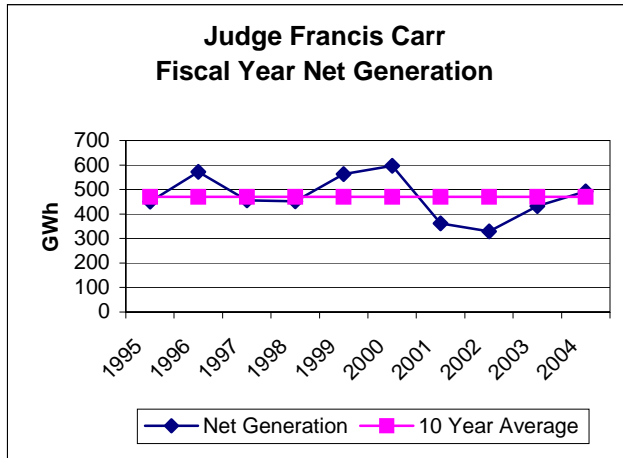
Judge Francis Carr Ancillary Services	
Spinning Reserve	Yes
Non-Spinning Reserve	Yes
Replacement Reserve	Yes
Regulation/Load Following	Yes
Black Start	No
Voltage Support	Yes

Generators

Judge Francis Carr Generators			
Existing Number and Capacity			
Unit #	Original Capacity (kW)	Capacity Increased (kW)	Present Capacity (kW)
1	71,840	5,360	77,200
2	71,840	5,360	77,200
2 Units	143,680	10,720	154,400

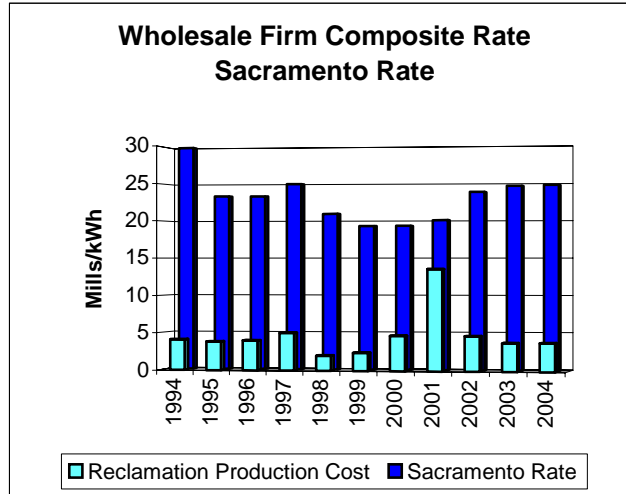
The maximum operational capacity is restricted to 150,000 kW due to the tunnel.

Generation

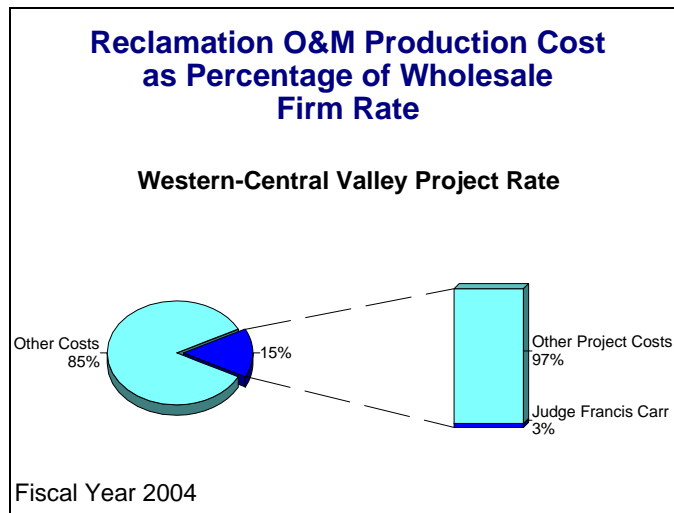


Prime Laboratory Benchmarks

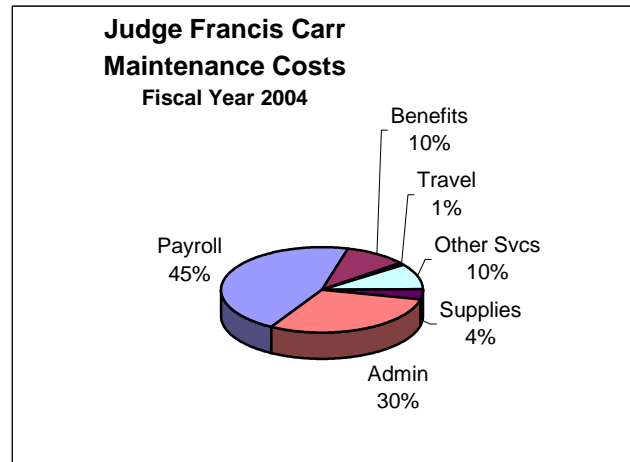
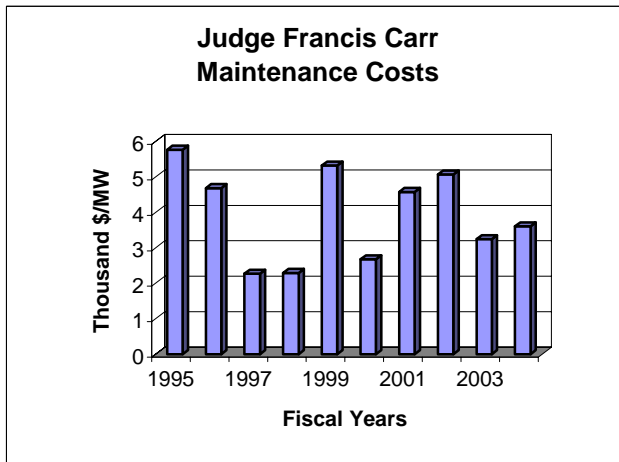
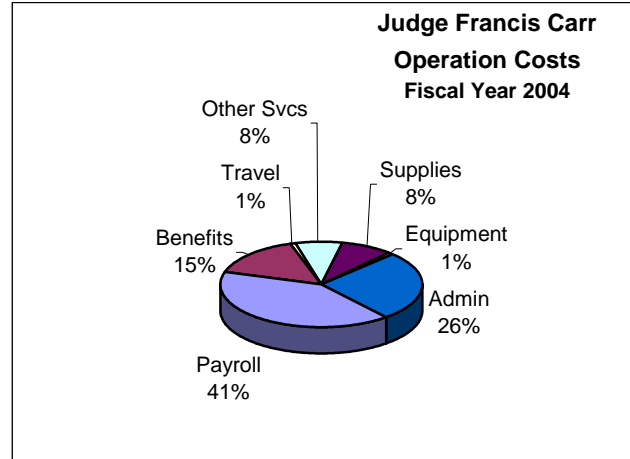
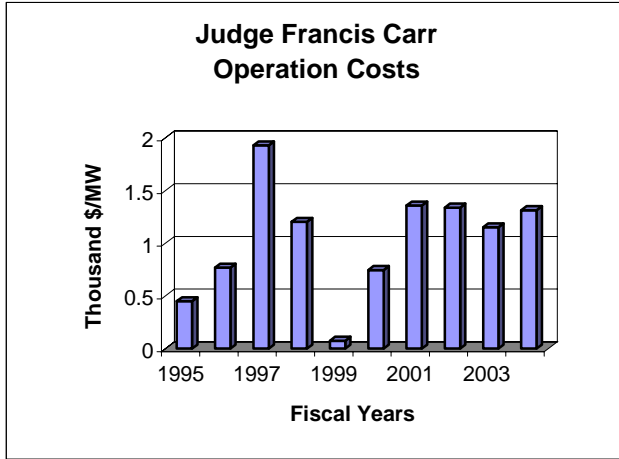
**Benchmark 1
Wholesale Firm Rate**



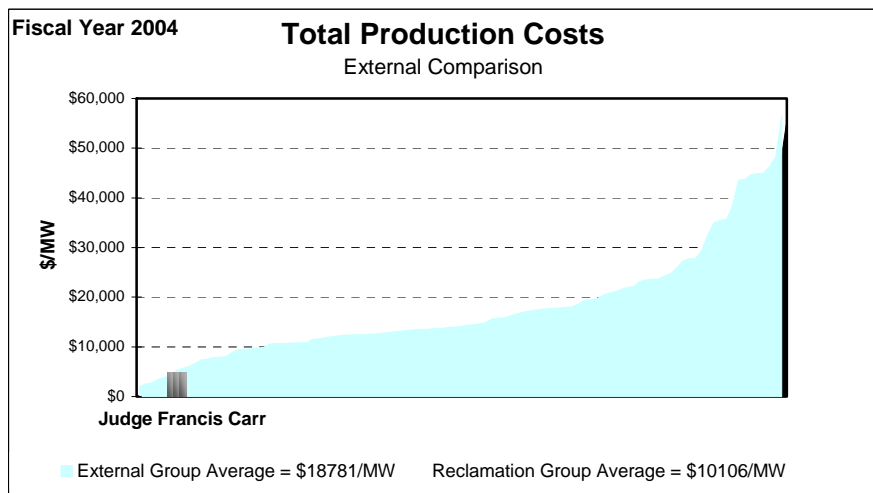
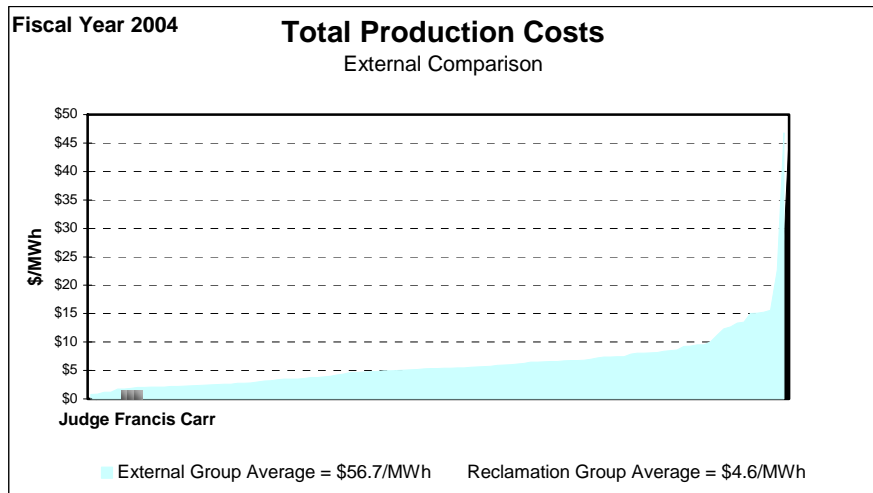
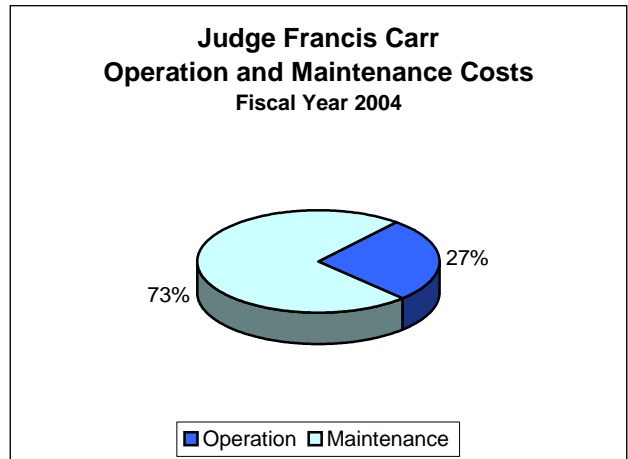
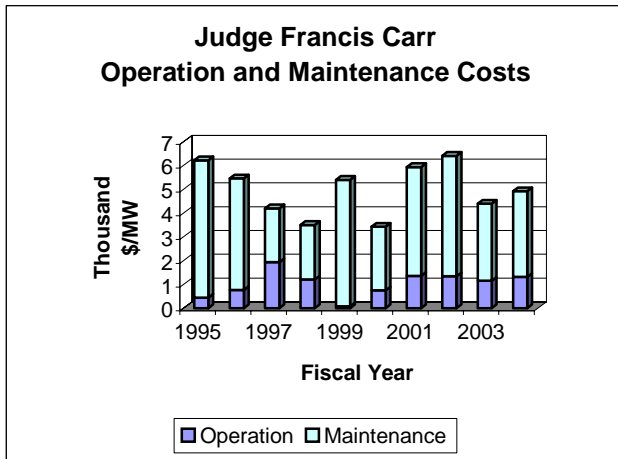
**Benchmark 2
Reclamation's Production Cost as Percentage of Wholesale Firm Rate**



**Benchmark 3
Production Cost**

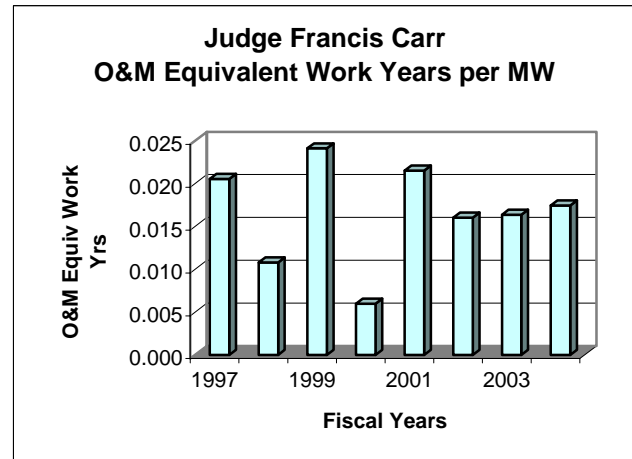
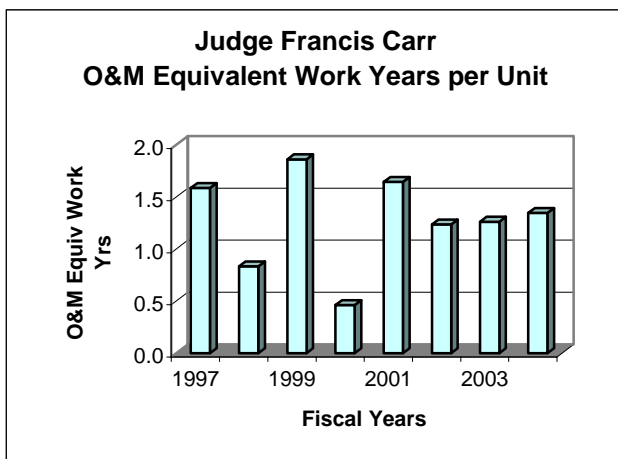
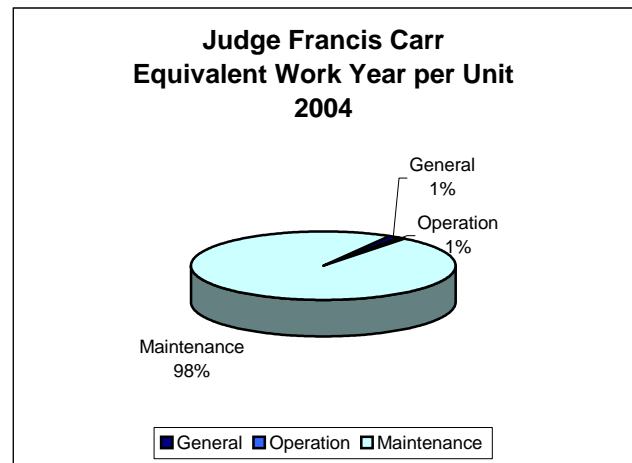
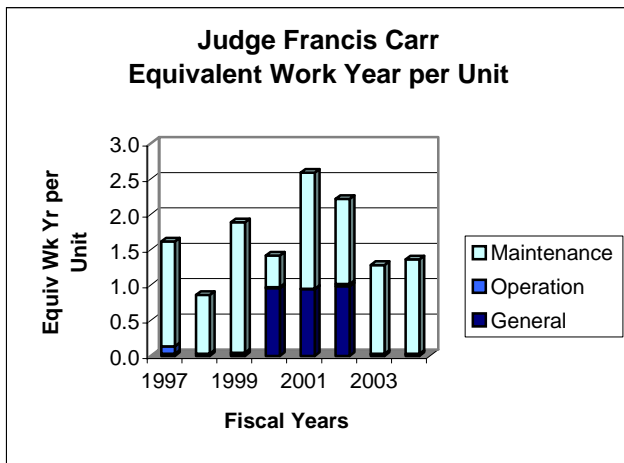


**Benchmark 3
Production Cost**

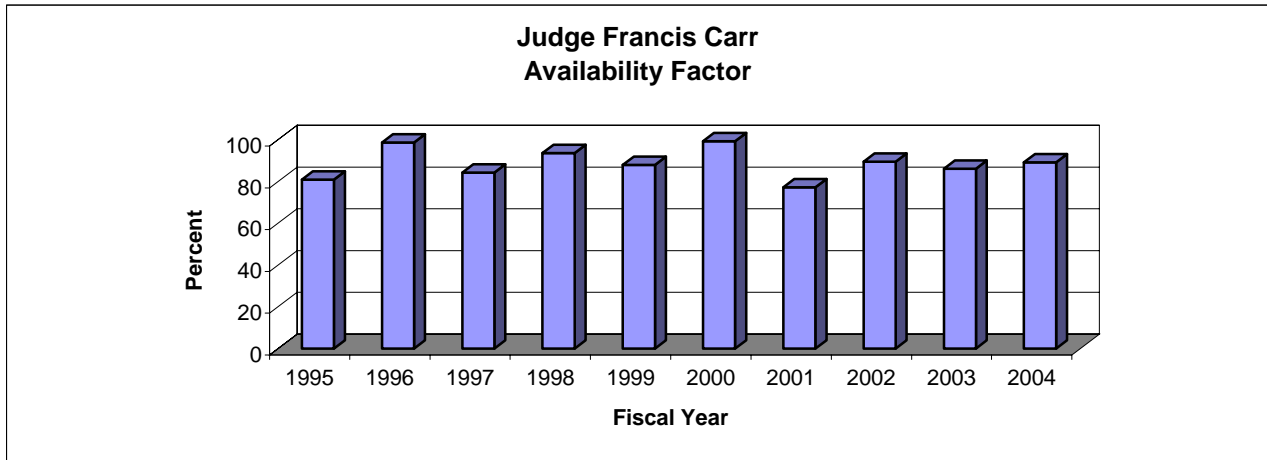


**Benchmark 4
Workforce Deployment**

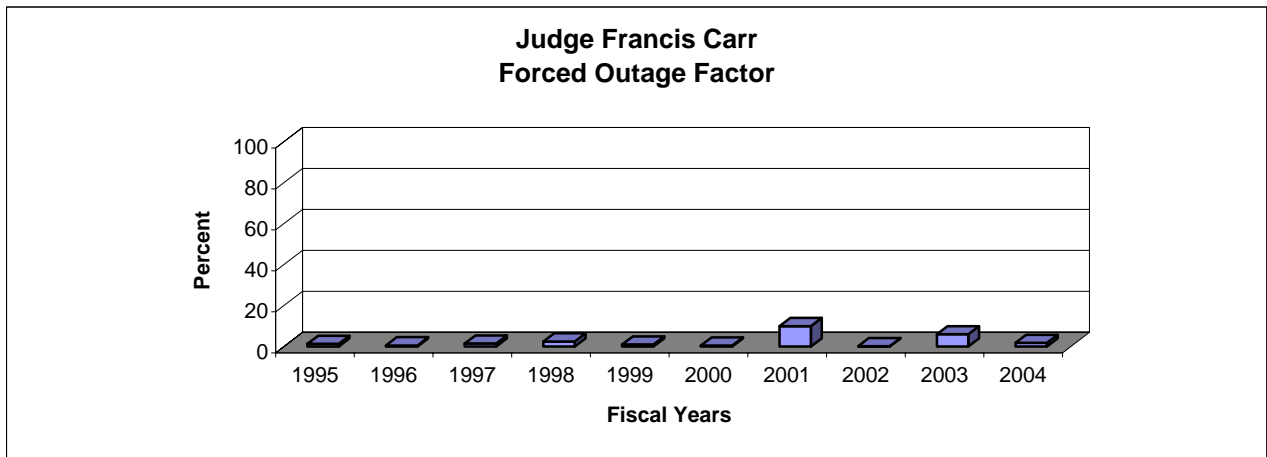
JF Carr 2004 Equivalent Work Year Levels						
	Equiv Work Year Charged to Powerplant	Leave Additive	Denver and Washington Equiv Work Year Additive	Total Equiv Work Year Allocated to Powerplant	Total Equiv Work Year per Generating Unit	Total Equiv Work Year per Megawatt
General	0.00	0.00	0.03	0.03	0.02	0.00
Operation	0.02	0.00	0.00	0.02	0.01	0.00
Maintenance	2.39	0.28	0.00	2.67	1.33	0.02
Total Staffing	2.41	0.28	0.03	2.73	1.36	0.02



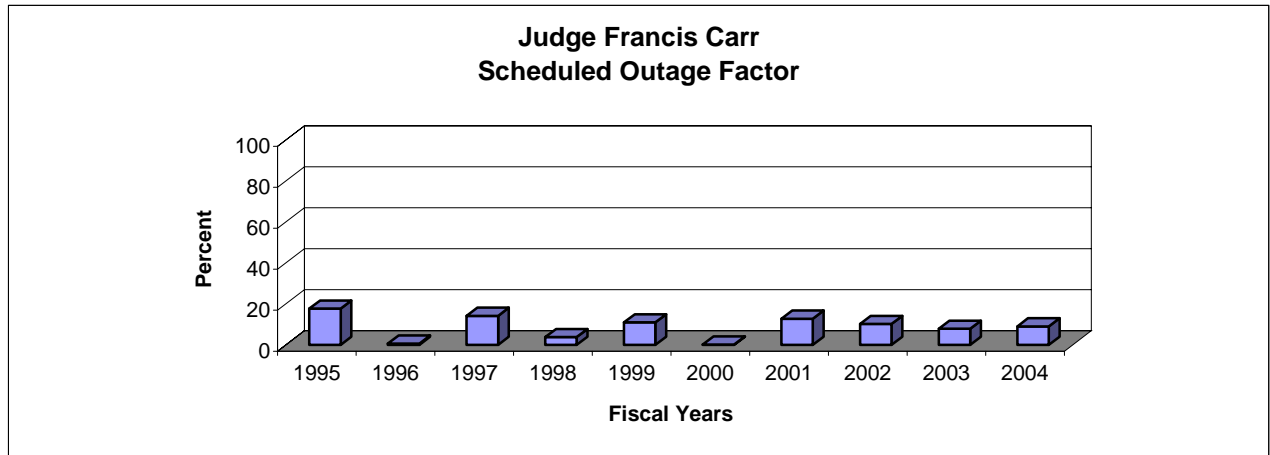
**Benchmark 5
Availability Factor**



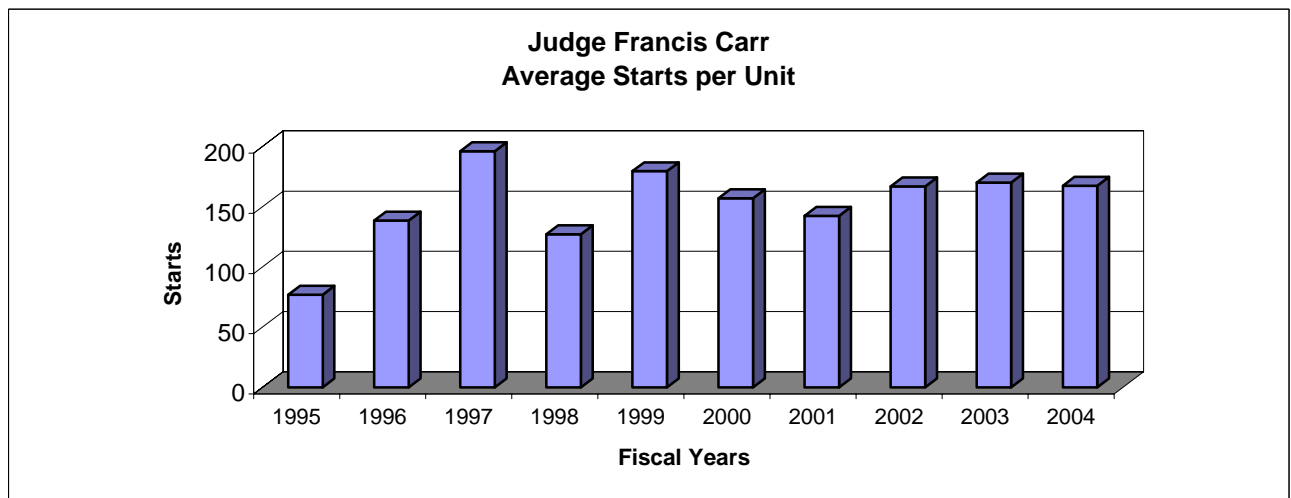
**Benchmark 6
Forced Outage Factor**



**Benchmark 7
Scheduled Outage Factor**



Starts



Benchmark Data Comparison					
Fiscal Year 2004	Judge Francis Carr Powerplant	Reclamation Average 100-500 MW Group	Total Reclamation Average	Industry Average	Best Performers
Wholesale Firm Rate Mills/kWh	24.6	Not Applicable	*21.06	Not Available	Not Available
Production Cost as Percentage of Wholesale Firm Rate	0.4%	Not Applicable	13.5%	Not Applicable	Not Applicable
O&M Cost \$/MWh	1.54	3.59	2.77	56.68	1.23
O&M Costs \$/MW	4,917.65	8,960.28	7,316.97	18,781.34	2,951.22
O&M Equip Work Year per MW	0.02	0.05	0.04	Not Available	0.000
Availability Factor	89.2	91.0	86.9	**89.2	99.97
Forced Outage Factor	1.8	0.6	0.7	**1.9	0.00
Scheduled Outage Factor	9.0	8.4	12.4	**8.9	0.02

*Weighted by Net Generation

**2003 NERC Average

***Energy Information Administration Data