

Kortes Powerplant Pick-Sloan Missouri Basin Program

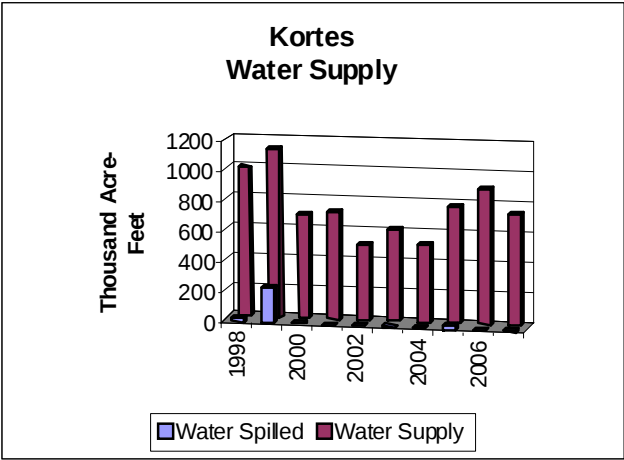
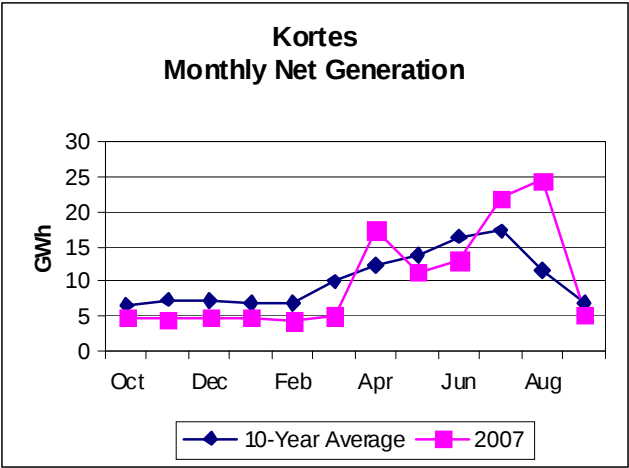
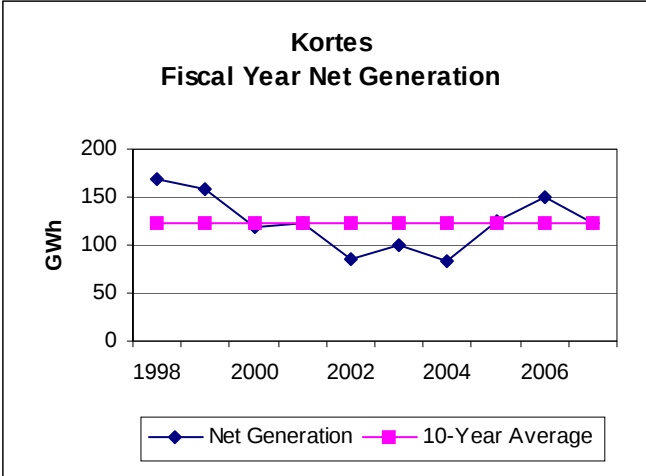
Ancillary Services

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

Generators

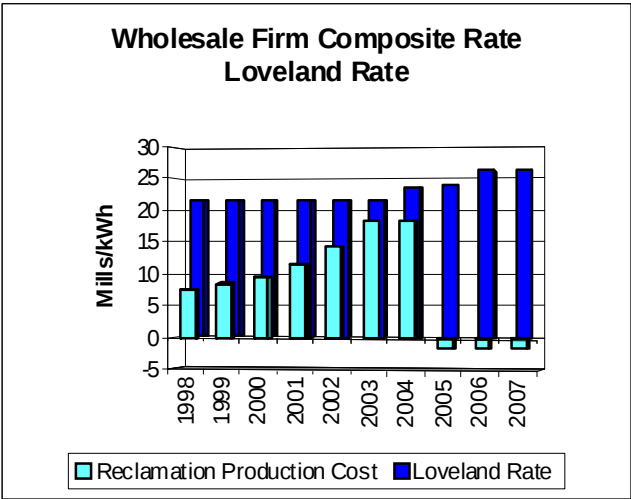
Kortes Generators			
Existing Number and Capacity			
Unit #	Original Capacity (kW)	Capacity Increased (kW)	Present Capacity (kW)
1	12,000	-	12,000
2	12,000	-	12,000
3	12,000	-	12,000
3 units	36,000	-	36,000

Generation

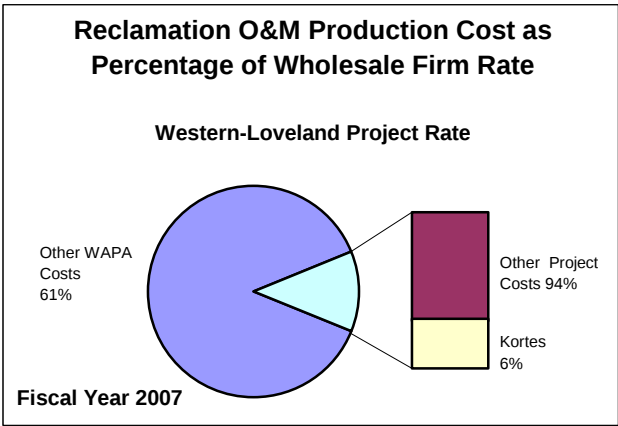


Prime Laboratory Benchmarks

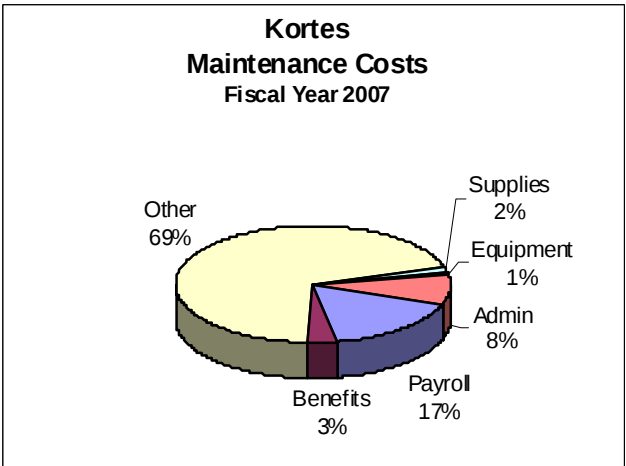
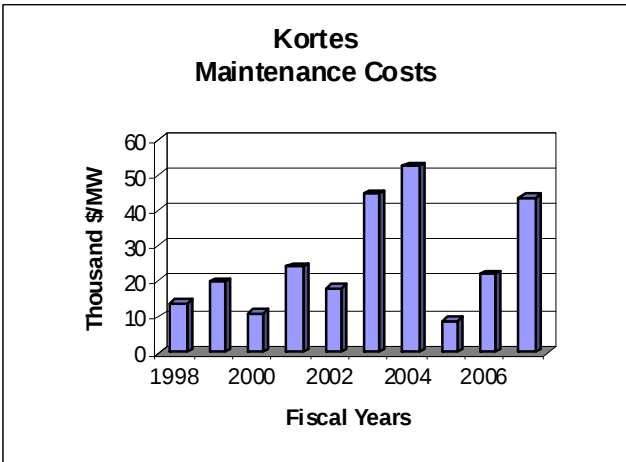
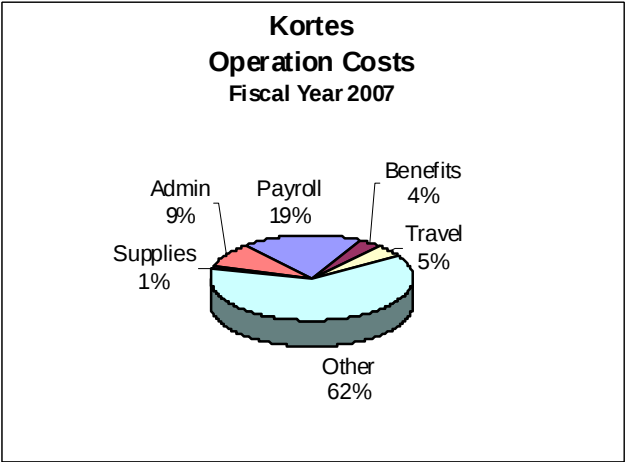
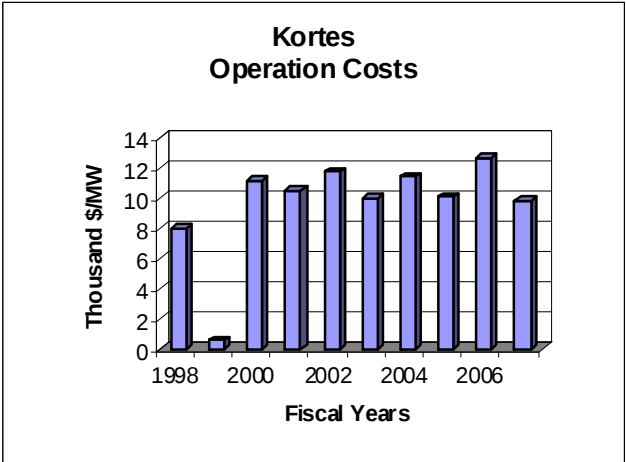
Benchmark 1
Wholesale Firm Rate



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

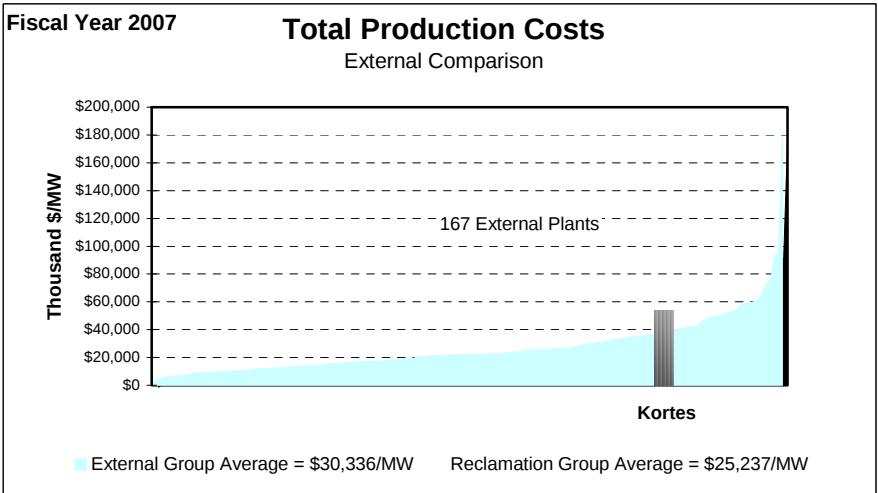
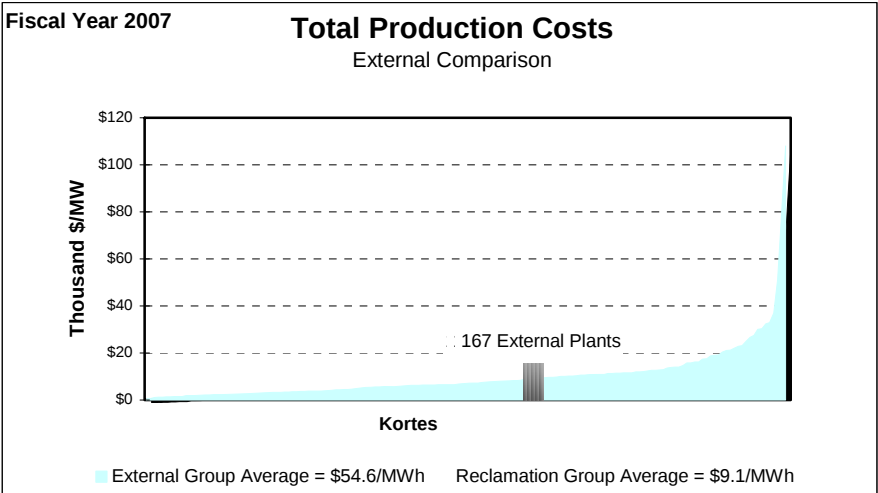
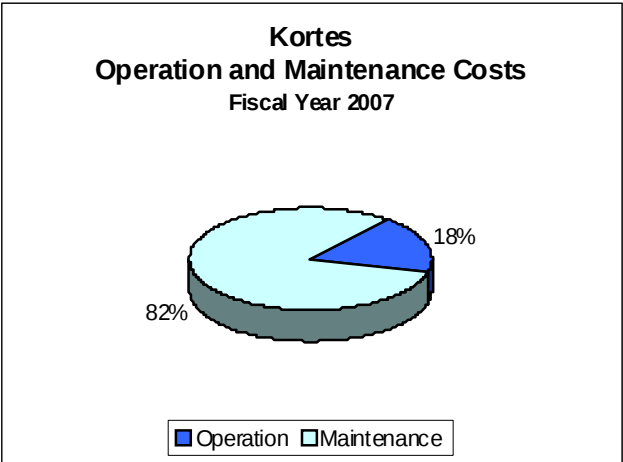
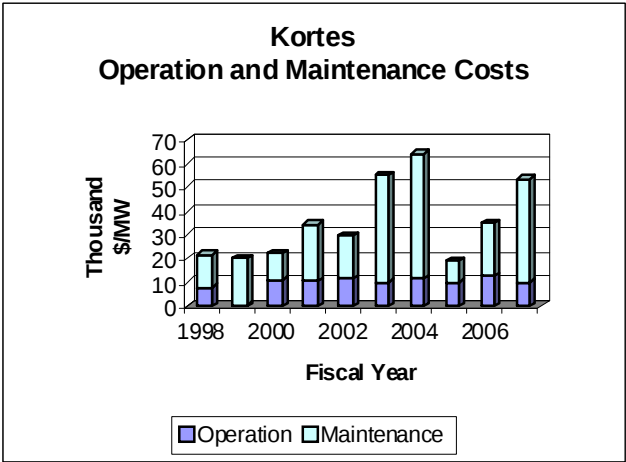


Benchmark 3
Production Costs



FY-2003 Maintenance Costs include a \$900,000 RAX expense on the Kortes Tunnel Repair.

Benchmark 3
Production Cost

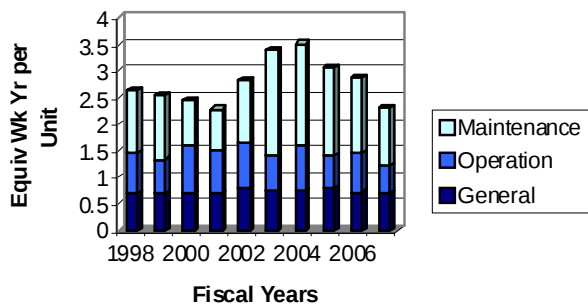


Benchmark 4
Workforce Deployment

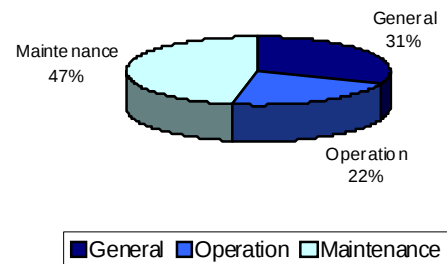
Kortes FY 2007 Equivalent Work Staffing Year Levels

	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	1.86	0.21	0.05	2.12	0.71	0.06
Operation	1.38	0.16	0.00	1.54	0.51	0.04
Maintenance	2.90	0.33	0.00	3.23	1.08	0.09
Total Staffing	6.14	0.69	0.05	6.88	2.29	0.19

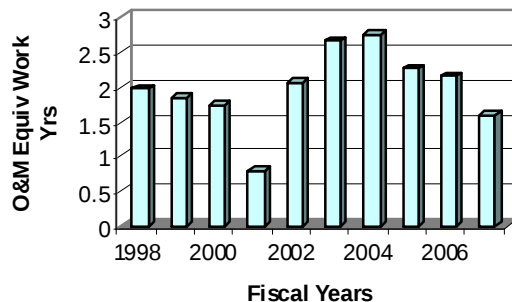
Kortes
Equivalent Work Year per Unit



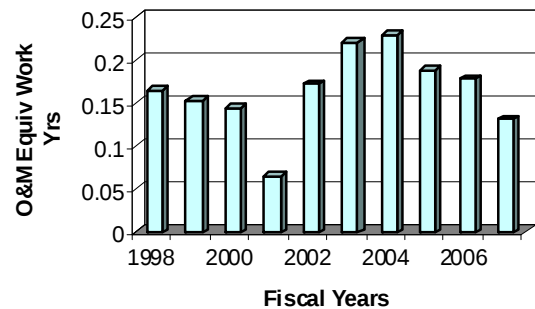
Kortes
Equivalent Work Year per Unit 2007



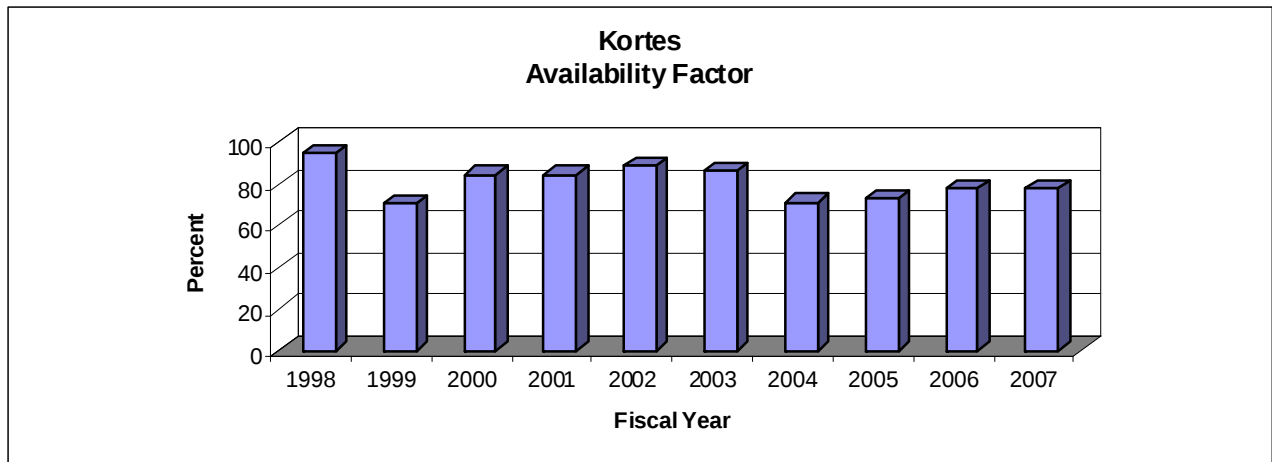
Kortes
O&M Equivalent Work Years per Unit



Kortes
O&M Equivalent Work Years per MW



**Benchmark 5
Plant Availability Factor**

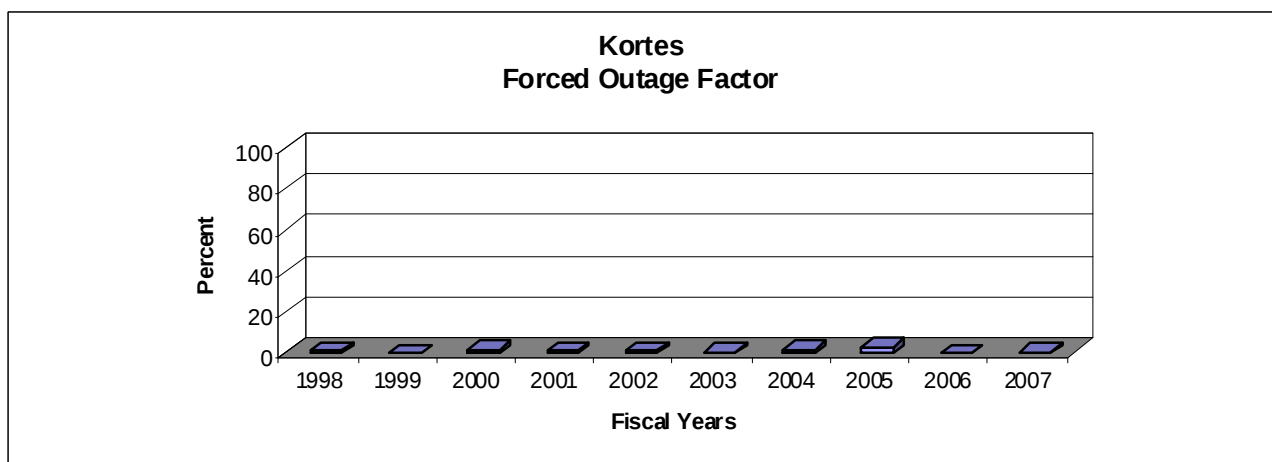


FY-1999 – Unit 2 transformer failure in September 1998 and replacement in June 1999.

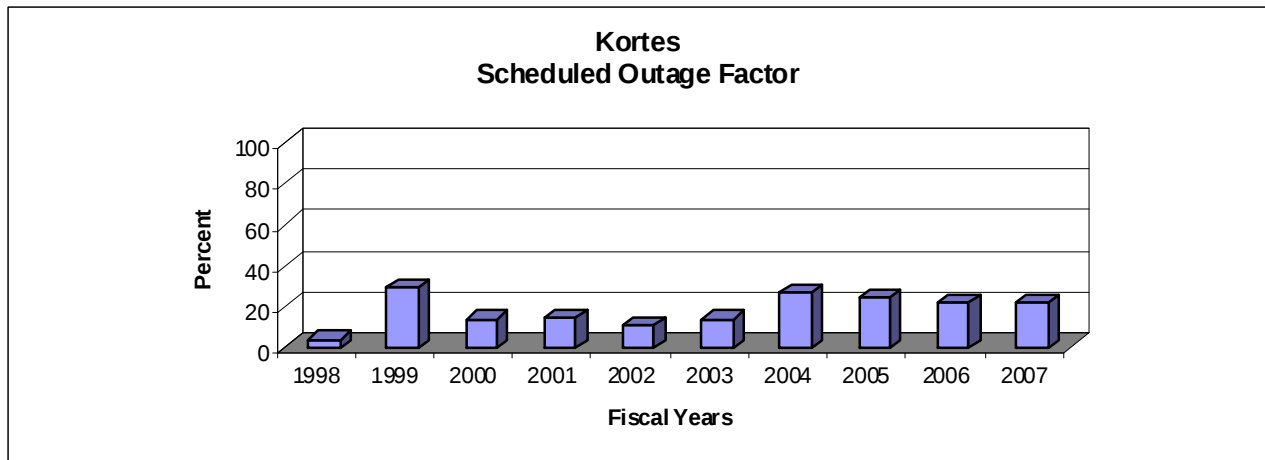
FY-2000 – Replacement of Unit 3 transformer in March 2000.

FY-2001 – Replacement of Unit 1 transformer in February 2001.

**Benchmark 6
Plant Forced Outage Factor**

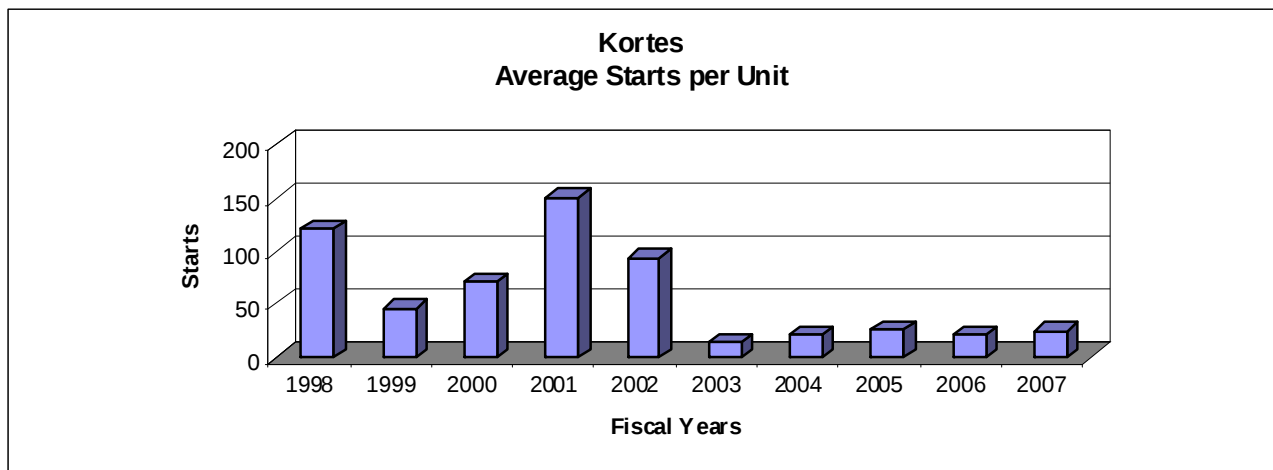


**Benchmark 7
Plant Scheduled Outage Factor**



FY-1999 - Unit 2 transformer replaced.
FY-2001 – Unit 1 transformer replaced.

Unit Starts



**Kortes Powerplant
30-100 MW**

Benchmark Data Comparison					
Fiscal Year 2007	Kortes 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	4.38%	Not Applicable	12.1%	Not Applicable	Not Applicable
O&M Cost \$/MWh	15.75	7.85	2.76	***54.63	1.00
O&M Costs \$/MW	53,564	24,132	7,847	***30,336	2,897
O&M Equiv Work Year per MW	0.13	0.10	0.03	Not Available	0.0
Availability Factor	77.8	84.3	82.3	**88.64	98.5
Forced Outage Factor	0.3	0.5	2.6	**2.61	0.0
Scheduled Outage Factor	21.8	15.3	15.1	**8.74	0.0

*Weighted by Net Generation

**2006 NERC Average

***Energy Information Administration Data