

Spring Creek Powerplant Central Valley Project

Ancillary Services

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

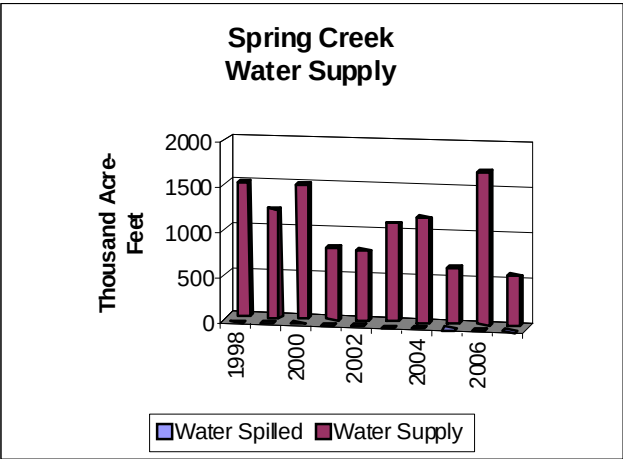
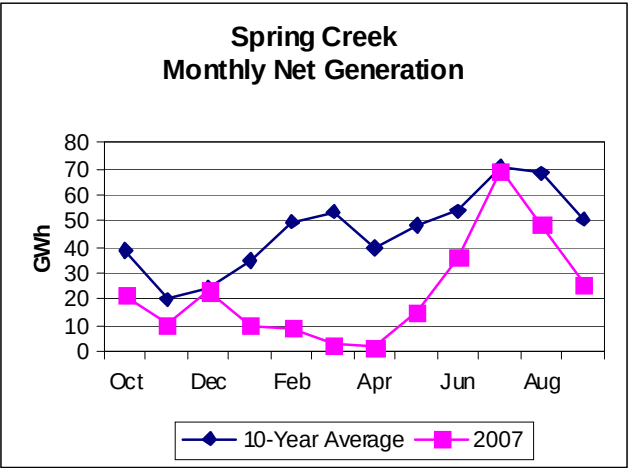
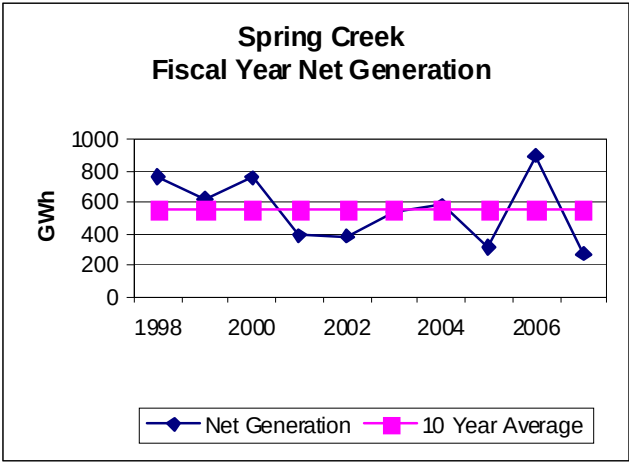
Generators

Spring Creek Generators			
Existing Number and Capacity			
Unit #	Original Capacity (kW)	Capacity Increased (kW)	Present Capacity (kW)
1	75,000	15,000	90,000
2	75,000	15,000	90,000
2 units	150,000	30,000	180,000

The maximum operational capacity is 190,000 kW

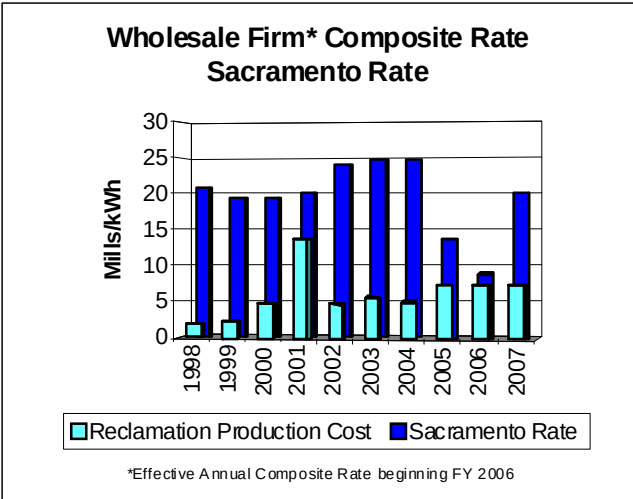
Spring Creek Powerplant
100-500 MW

Generation

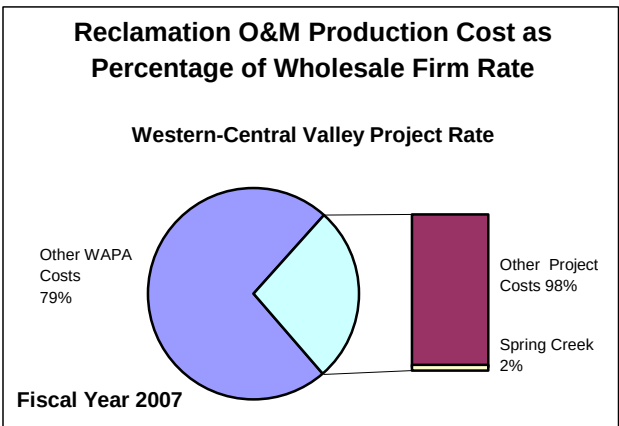


Prime Laboratory Benchmarks

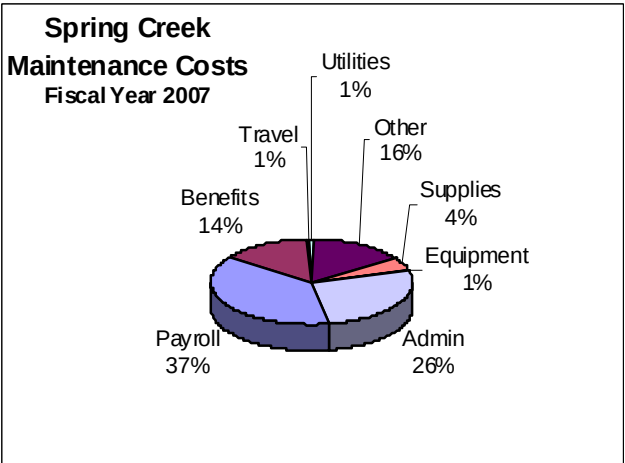
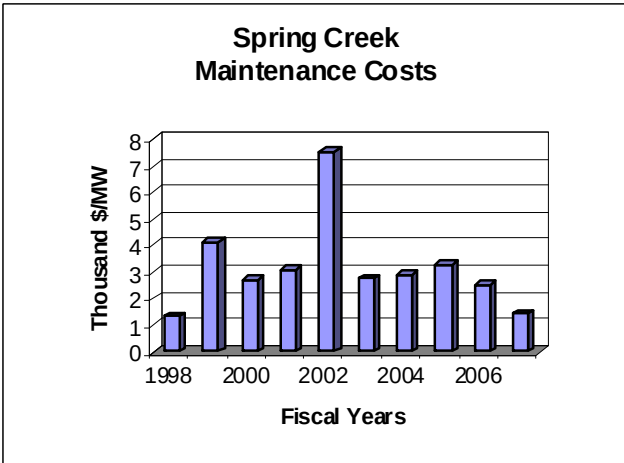
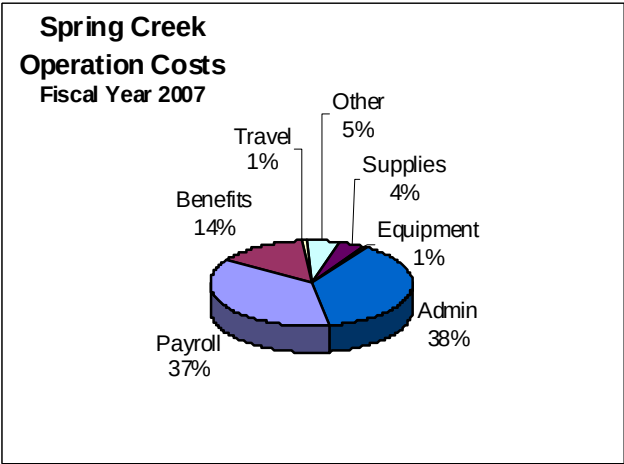
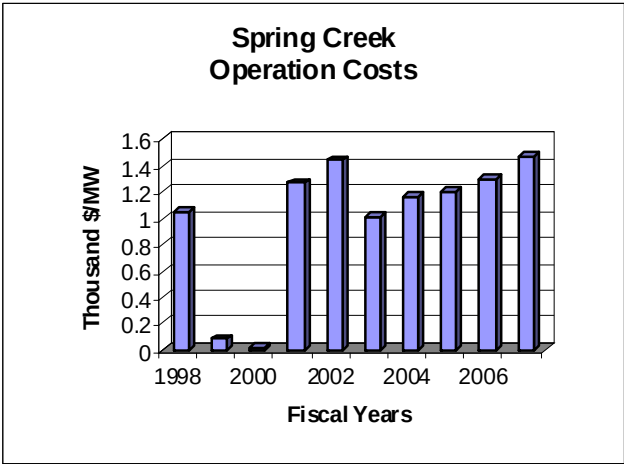
Benchmark 1
Wholesale Firm Rate



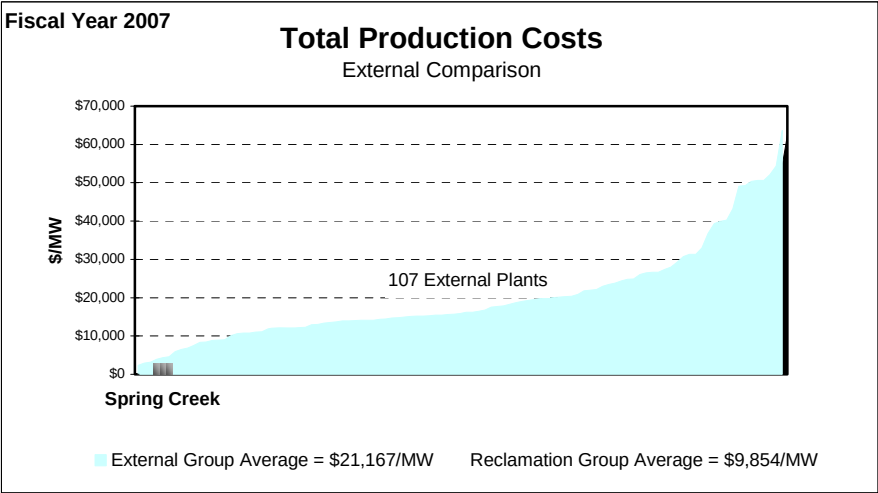
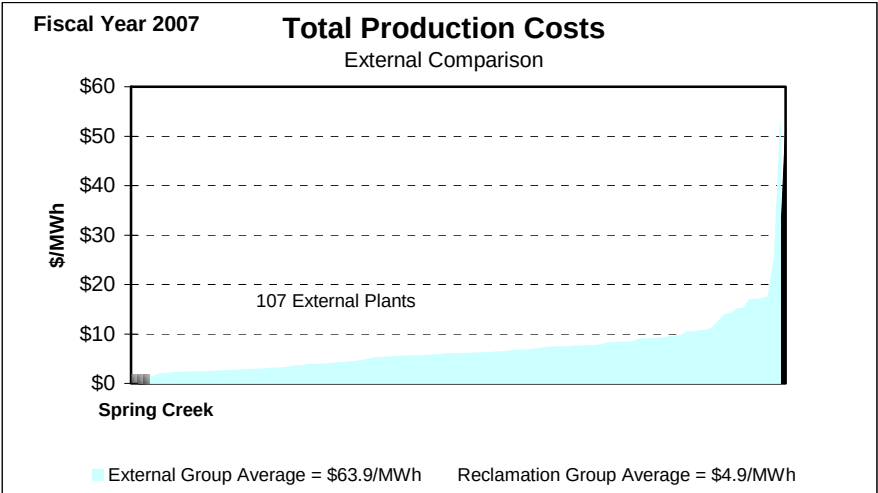
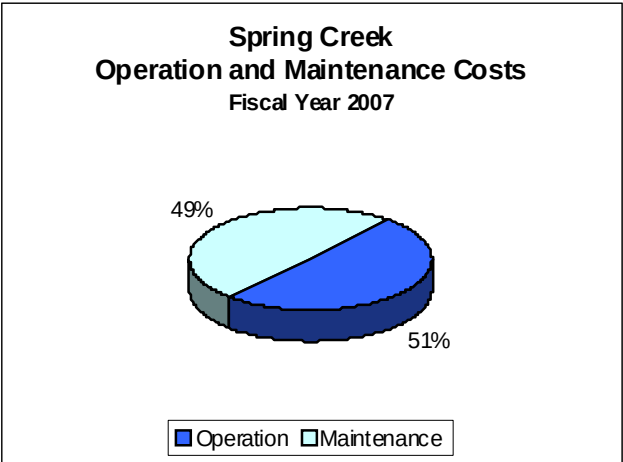
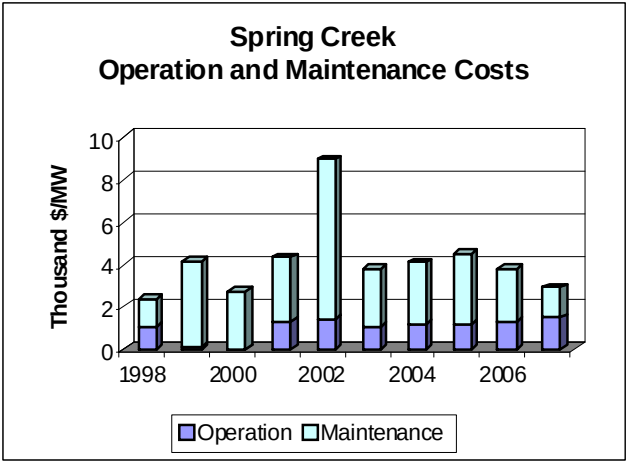
Benchmark 2
Reclamation’s Production Cost as Percentage of Wholesale Firm Rate



Benchmark 3
Production Cost



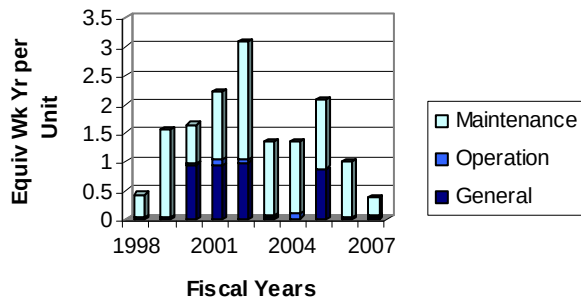
Benchmark 3
Production Cost



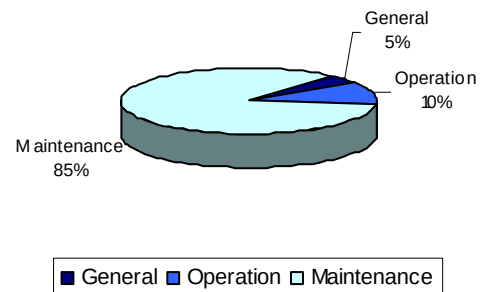
**Benchmark 4
Workforce Deployment**

Spring Creek 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	0.00	0.00	0.04	0.04	0.02	0.00
Operation	0.07	0.01	0.00	0.08	0.04	0.00
Maintenance	0.57	0.06	0.00	0.63	0.31	0.00
Total Staffing	0.64	0.06	0.04	0.74	0.37	0.00

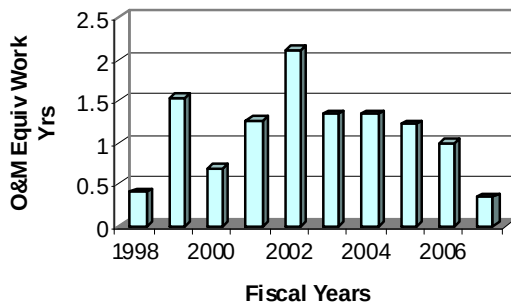
**Spring Creek
Equivalent Work Year per Unit**



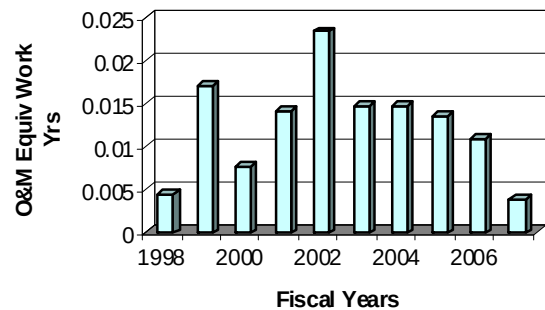
**Spring Creek
Equivalent Work Year per Unit
2007**



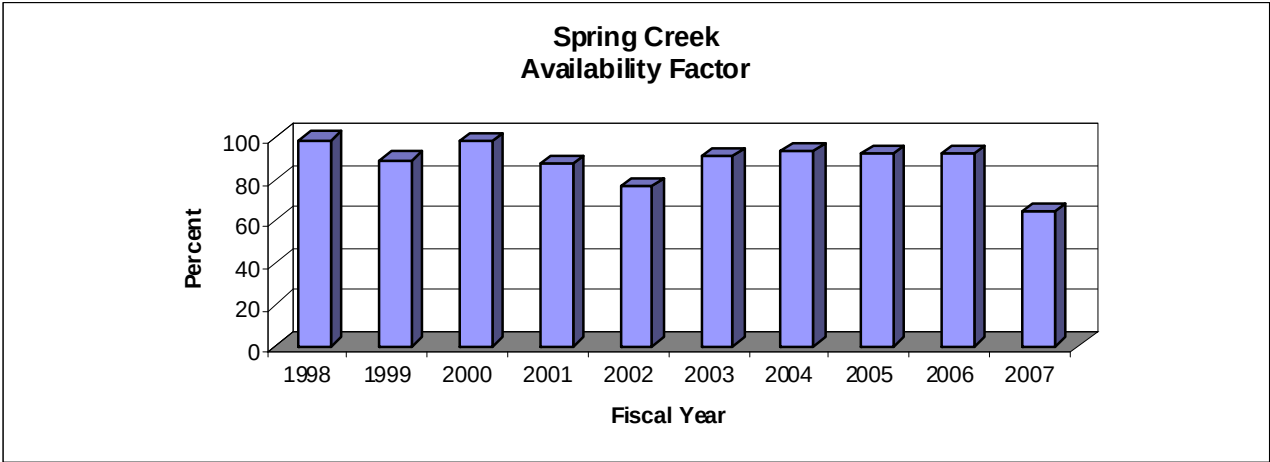
**Spring Creek
O&M Equivalent Work Years per Unit**



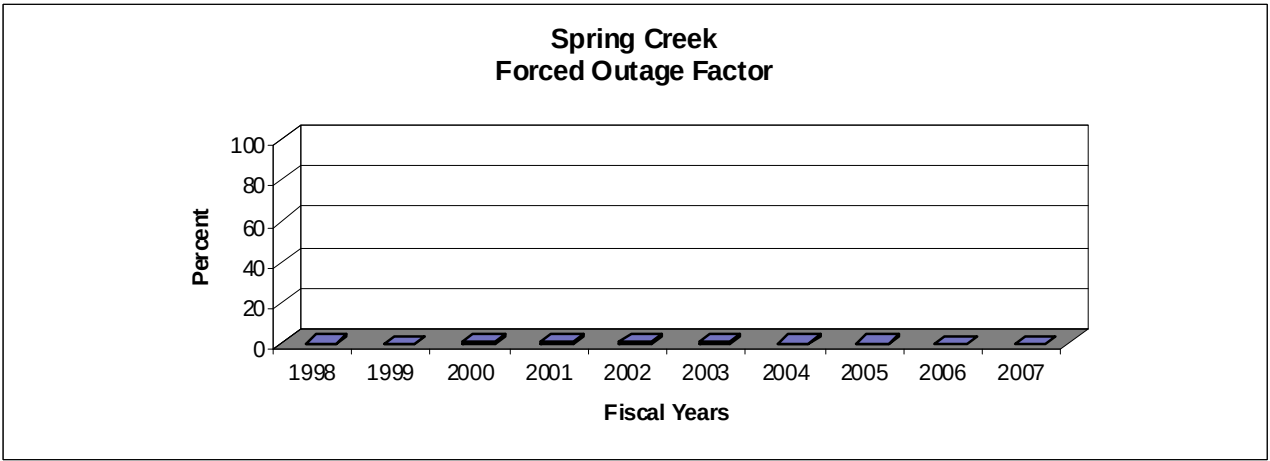
**Spring Creek
O&M Equivalent Work Years per MW**



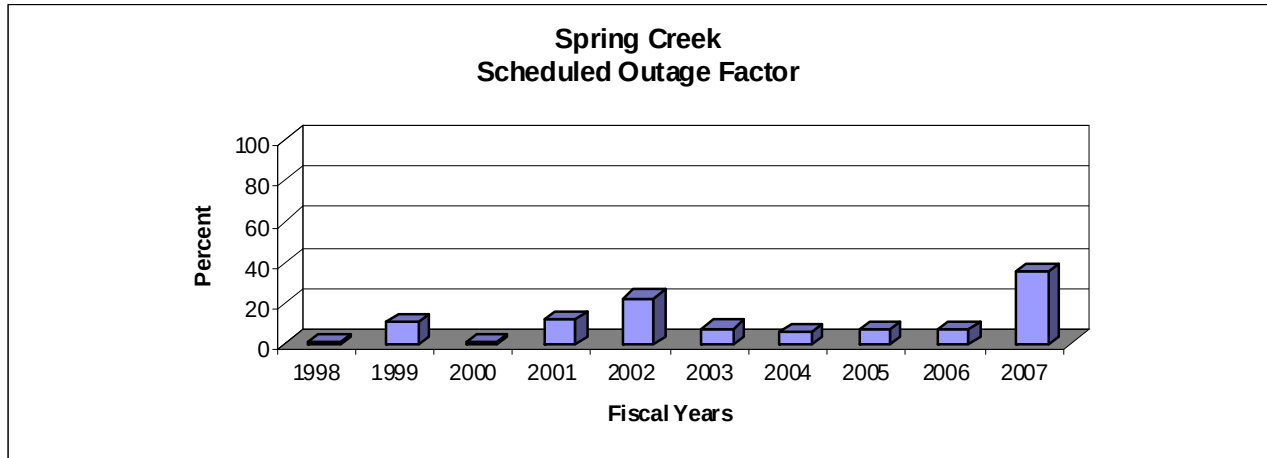
**Benchmark 5
Availability Factor**



**Benchmark 6
Forced Outage Factor**



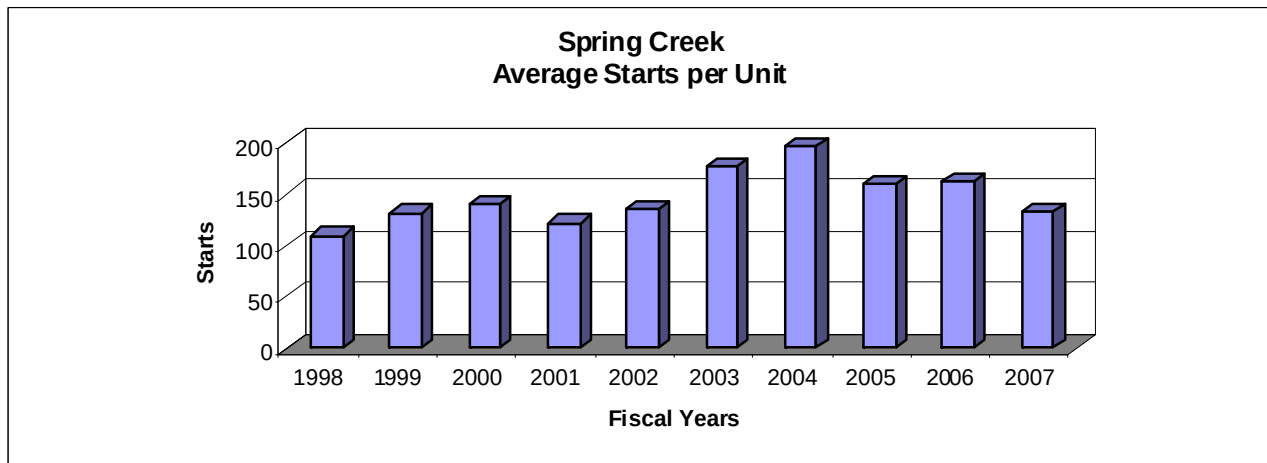
**Benchmark 7
Scheduled Outage Factor**



FY-01 – Re-gasketed transformers

FY-01 and FY-02 – Re-gasketed transformers and installation of penstock flow meters.

Starts



**Spring Creek Powerplant
100-500 MW**

Benchmark Data Comparison					
Fiscal Year 2007	Spring Creek Powerplant	Reclamation Average 100-500 MW Group	Total Reclamation Average	Industry Average	Best Performers
Wholesale Firm Rate Mills/kWh	13.7	Not Applicable	*22.45	Not Available	Not Available
Production Cost as Percentage of Wholesale Firm Rate	0.6%	Not Applicable	12.1%	Not Applicable	Not Applicable
O&M Cost \$/MWh	1.90	4.44	2.76	***63.88	1.00
O&M Costs \$/MW	2,897	10,502	7,847	***21,167	2,897
O&M Equiv Work Year per MW	0.00	0.04	0.03	Not Available	0.00
Availability Factor	64.2	83.5	82.3	**88.64	98.5
Forced Outage Factor	0.1	1.2	2.6	**2.61	0.0
Scheduled Outage Factor	35.7	15.4	15.1	**8.74	0.0

*Weighted by Net Generation

**2006 NERC Average

*** Energy Information Administration Data