

Black Canyon Powerplant Boise Project

Ancillary Services

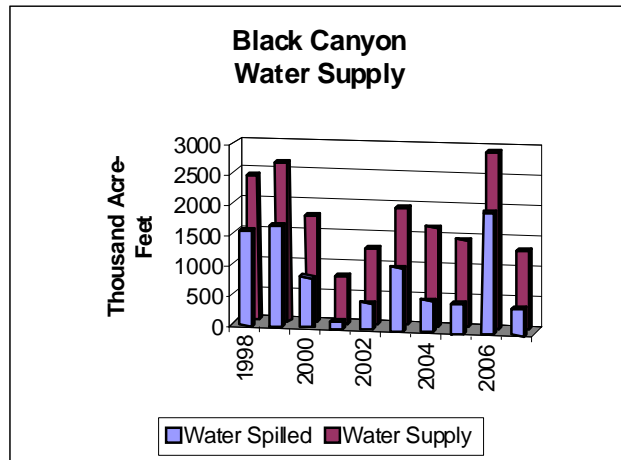
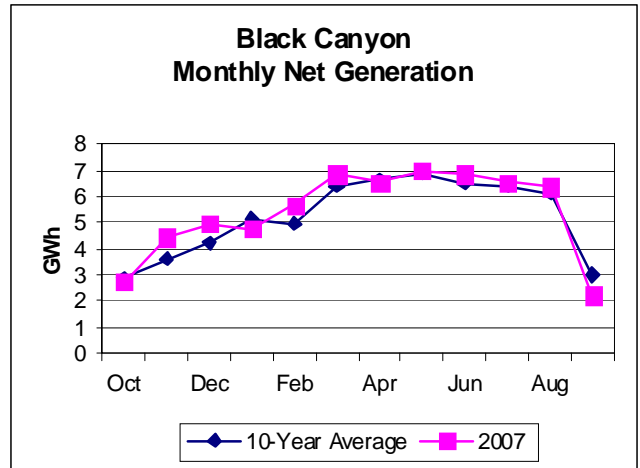
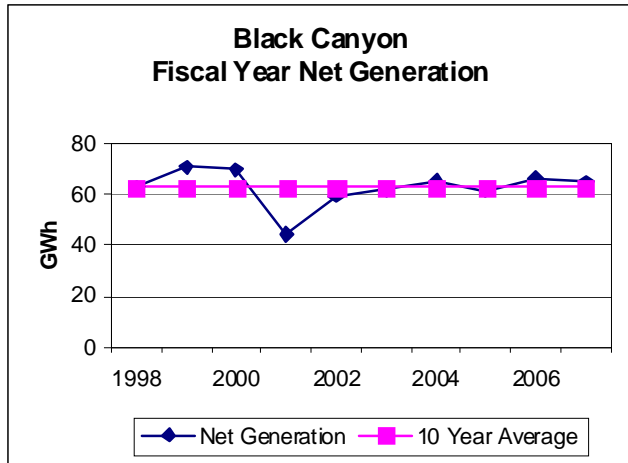
| Black Canyon Ancillary Services | |
|--|-----|
| Spinning Reserve | Yes |
| Non-Spinning Reserve | Yes |
| Replacement Reserve | Yes |
| Regulation/Load Following | Yes |
| Black Start | Yes |
| Voltage Support | Yes |

Generators

| Black Canyon Generators | | | |
|--------------------------------|------------------------|-------------------------|-----------------------|
| Existing Number and Capacity | | | |
| Unit # | Original Capacity (kW) | Capacity Increased (kW) | Present Capacity (kW) |
| 1 | 4,000 | 1,100 | 5,100 |
| 2 | 4,000 | 1,100 | 5,100 |
| 2 units | 8,000 | 2,200 | 10,200 |

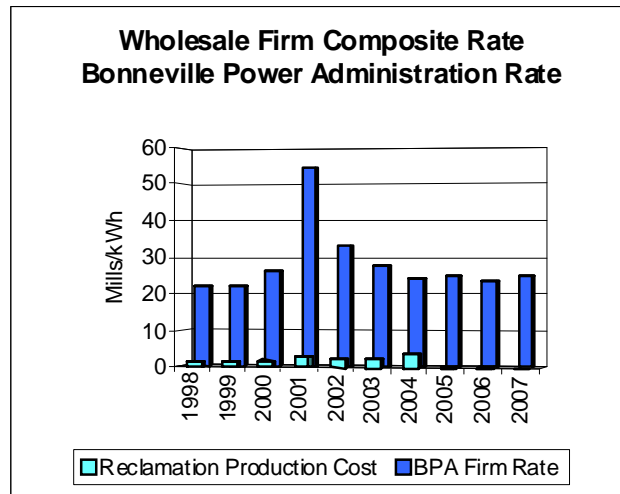
**Black Canyon Powerplant
0-10 MW**

Generation

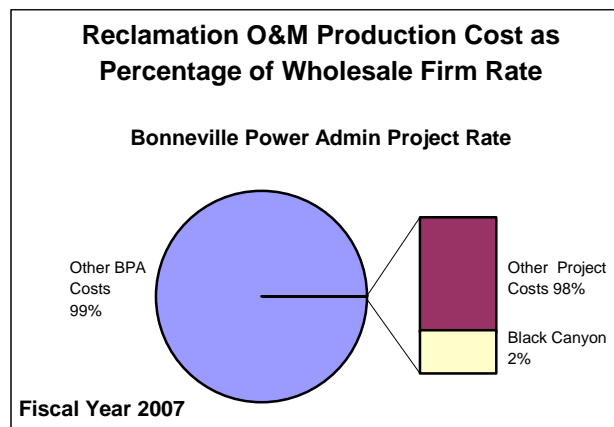


Prime Laboratory Benchmarks

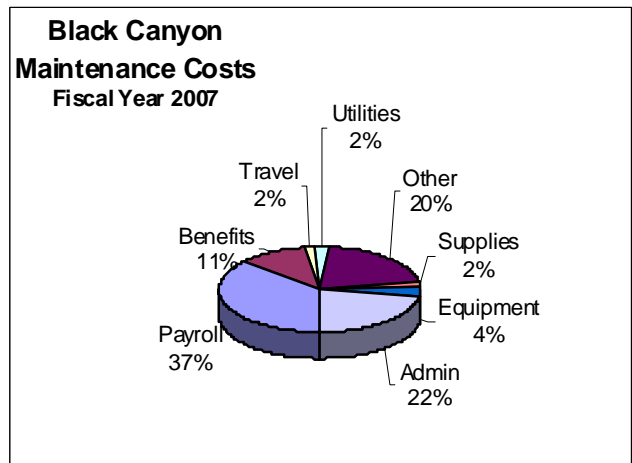
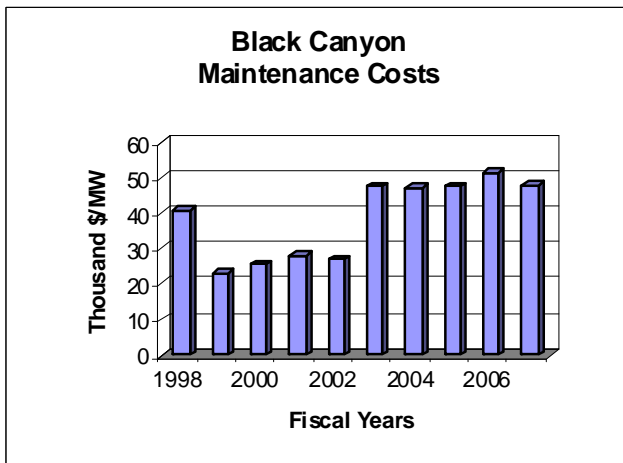
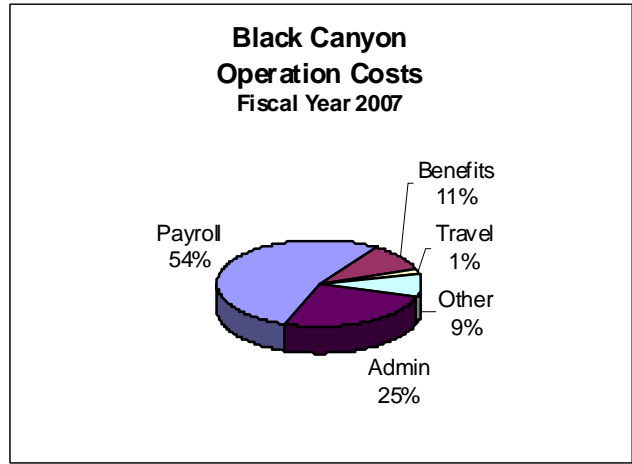
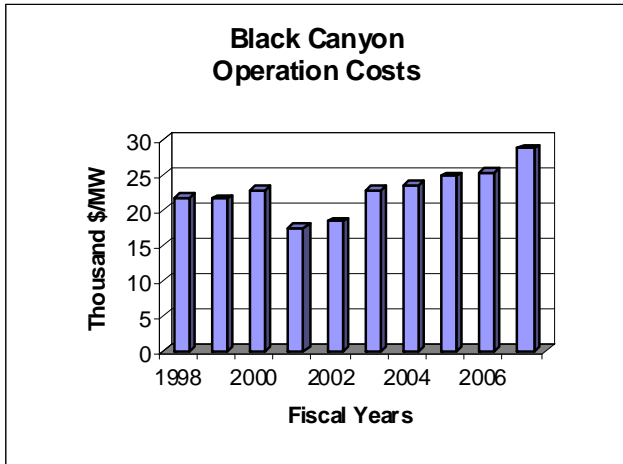
**Benchmark 1
Wholesale Firm Rate**



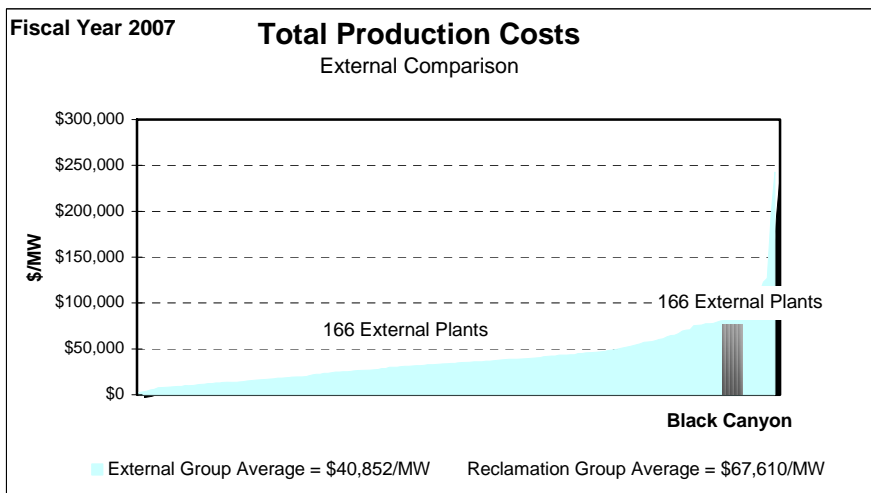
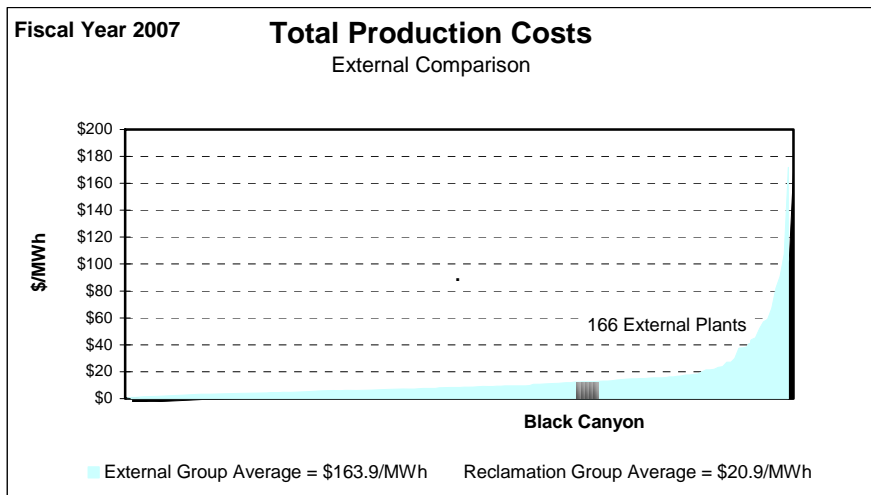
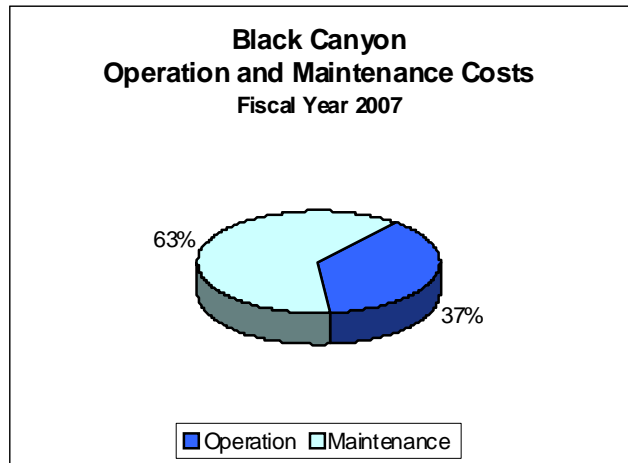
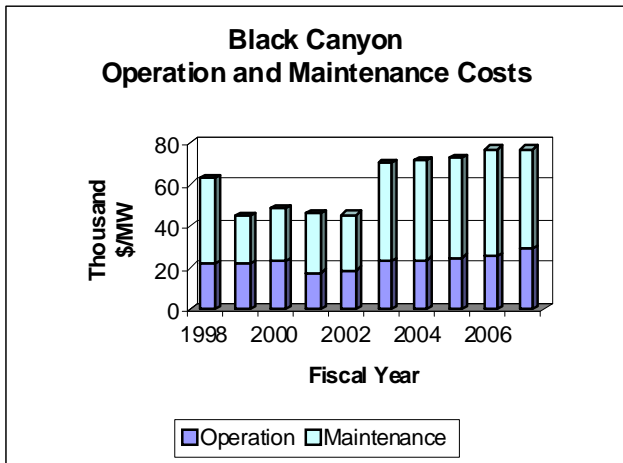
**Benchmark 2
Reclamation's Production Cost as Percentage of Wholesale Firm Rate**



**Benchmark 3
Production Cost**

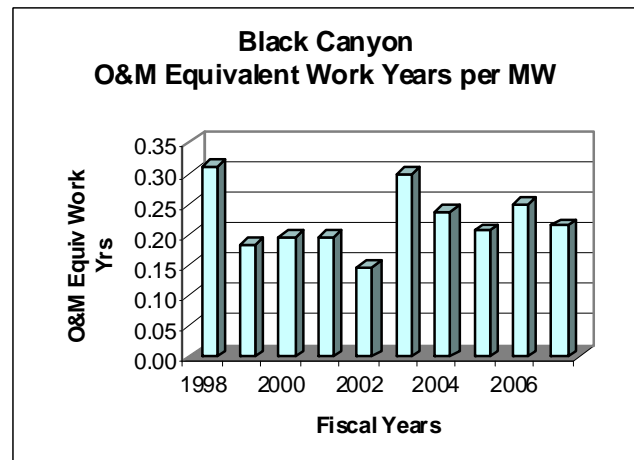
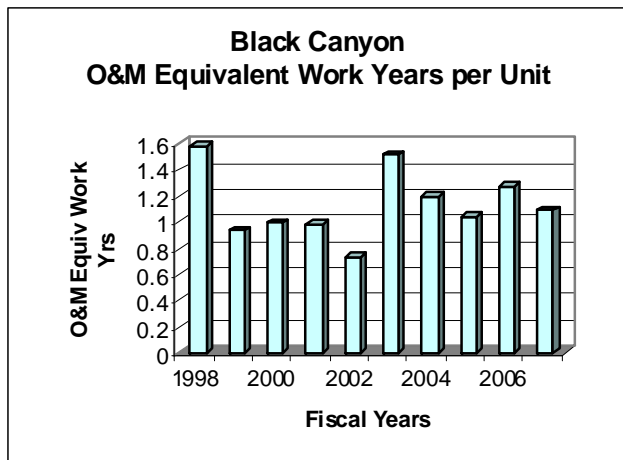
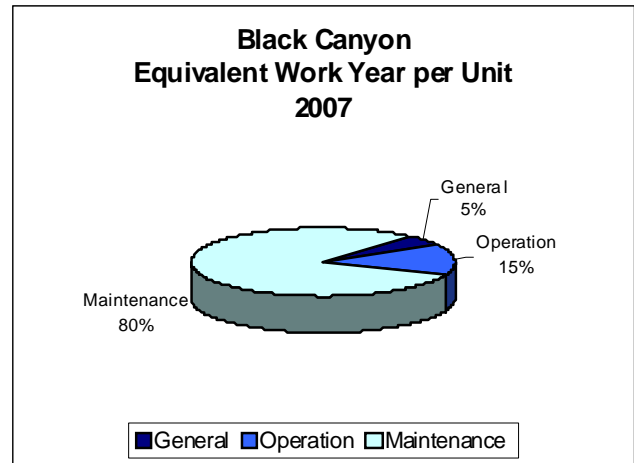
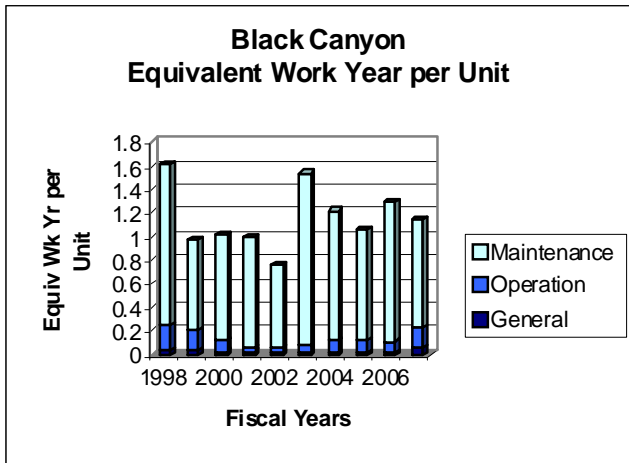


**Benchmark 3
Production Cost**

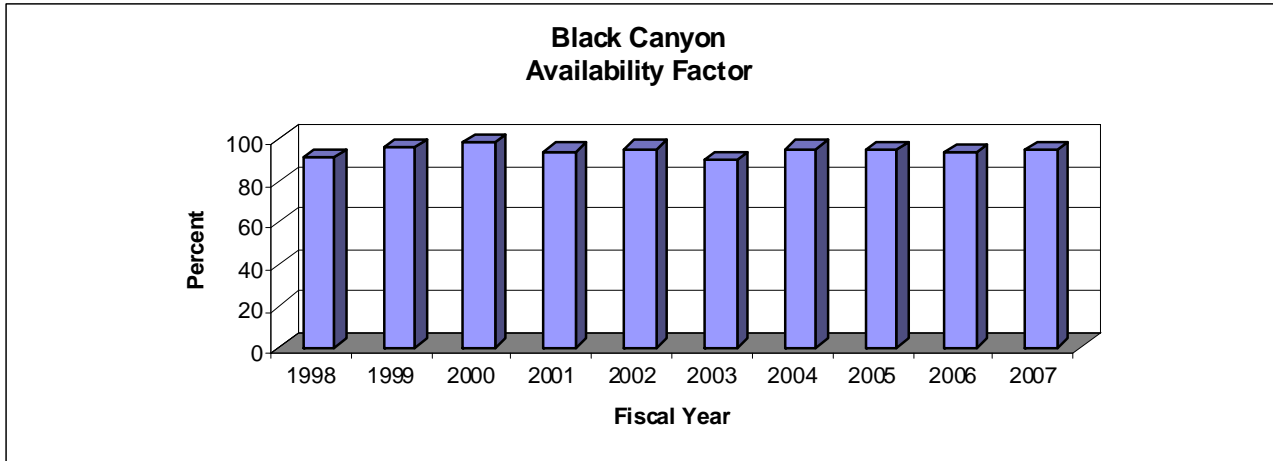


**Benchmark 4
Workforce Deployment**

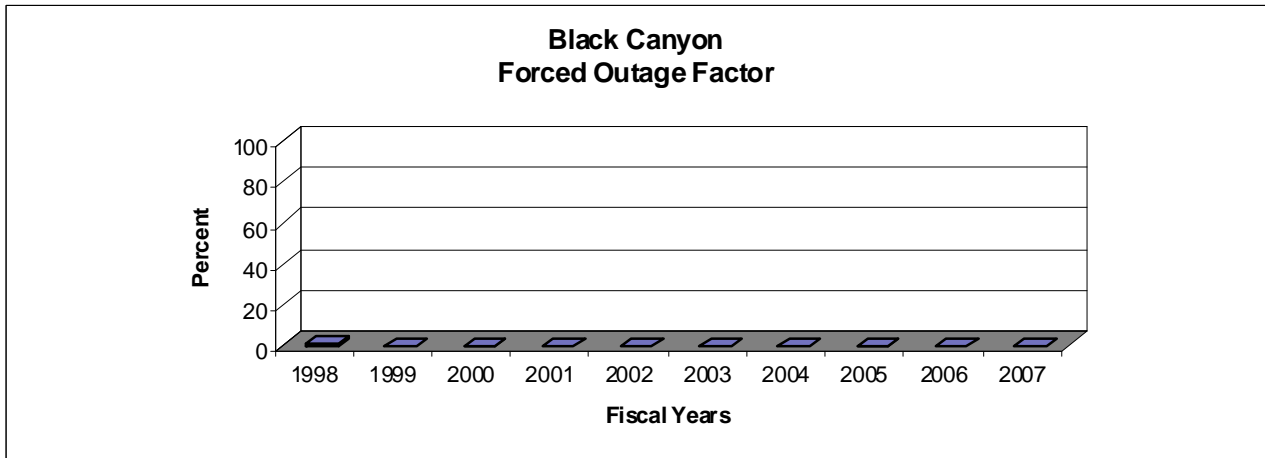
| Black Canyon FY 2007 Equivalent Work Staffing Year Levels | | | | | | |
|--|---|----------------|--|--|---|--|
| | Equivalent Work Year Staffing Charged to Powerplant | Leave Additive | Denver and Washington Equivalent Work Year Staffing Additive | Total Equivalent Work Year Allocated to Powerplant | Total Equivalent Staffing Work Year per Generating Unit | Total Equivalent Work Year Staffing per Megawatt |
| General | 0.08 | 0.01 | 0.04 | 0.12 | 0.06 | 0.01 |
| Operation | 0.31 | 0.03 | 0.00 | 0.34 | 0.17 | 0.03 |
| Maintenance | 1.66 | 0.18 | 0.00 | 1.84 | 0.92 | 0.18 |
| Total Staffing | 2.05 | 0.22 | 0.04 | 2.30 | 1.15 | 0.23 |



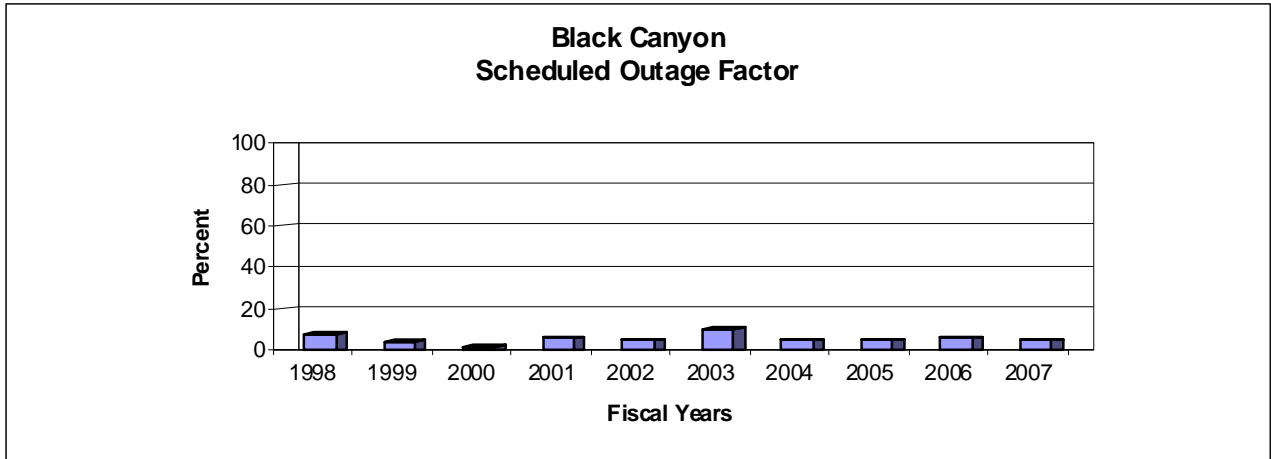
**Benchmark 5
Availability Factor**



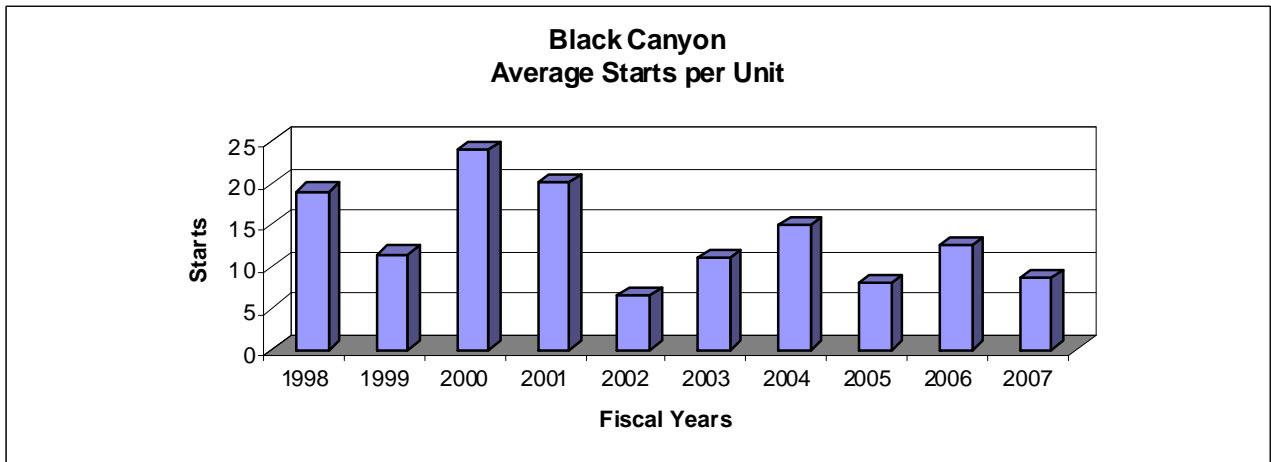
**Benchmark 6
Forced Outage Factor**



**Benchmark 7
Scheduled Outage Factor**



Starts



**Black Canyon Powerplant
0-10 MW**

| Benchmark Data Comparison | | | | | |
|---|--------------------------------|---|----------------------------------|-------------------------|------------------------|
| Fiscal Year 2007 | Black Canyon Powerplant | Reclamation Average 10-30 MW Group | Total Reclamation Average | Industry Average | Best Performers |
| Wholesale Firm Rate Mills/kWh | 24.8 | Not Applicable | *22.45 | Not Available | Not Available |
| Production Cost as Percentage of Wholesale Firm Rate | 0.03% | Not Applicable | 12.1% | Not Applicable | Not Applicable |
| O&M Cost \$/MWh | 12.08 | 16.40 | 2.76 | ***25.9 | 1.00 |
| O&M Costs \$/MW | 76,928 | 62,731 | 7,847 | ***75,984 | 2,897 |
| O&M Equip Work Year per MW | 0.21 | 0.22 | 0.03 | Not Available | 0.00 |
| Availability Factor | 95.0 | 88.5 | 82.3 | **88.64 | 98.5 |
| Forced Outage Factor | 0.02 | 0.1 | 2.6 | **2.61 | 0.0 |
| Scheduled Outage Factor | 5.0 | 11.4 | 15.1 | **8.74 | 0.0 |

*Weighted by Net Generation

**2006 NERC Average

*** Energy Information Administration Data