

**Elephant Butte Powerplant
Seasonal**

Ancillary Services

**Elephant Butte
Ancillary Services**

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

Generators

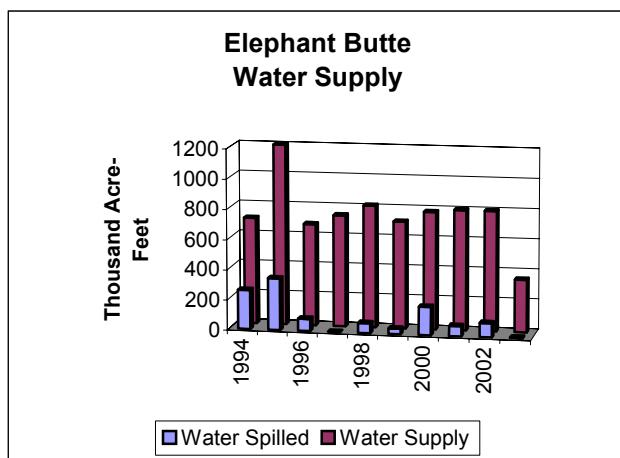
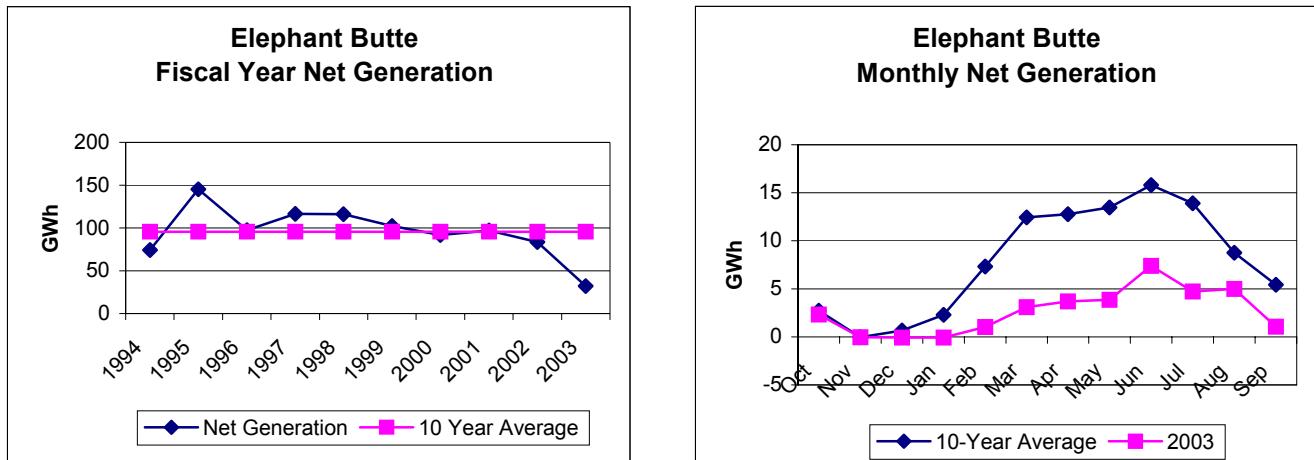
Elephant Butte Generators

Existing Number and Capacity

Unit #	Original Capacity (kW)	Capacity Increased (kW)	Present Capacity (kW)
1	8,100	1,215	9,315
2	8,100	1,215	9,315
3	8,100	1,215	9,315
3 Units	24,300	3,645	27,945

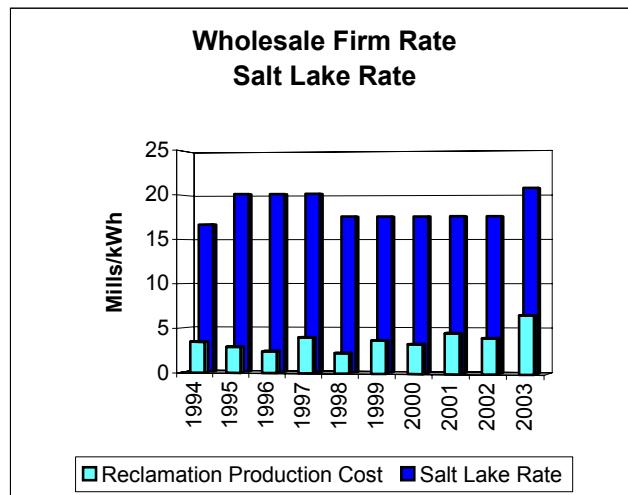
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Generation

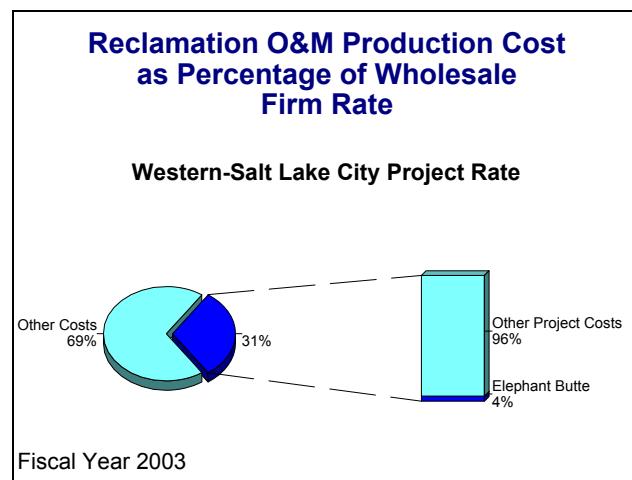


Prime Laboratory Benchmarks

**Benchmark 1
Wholesale Firm Rate**

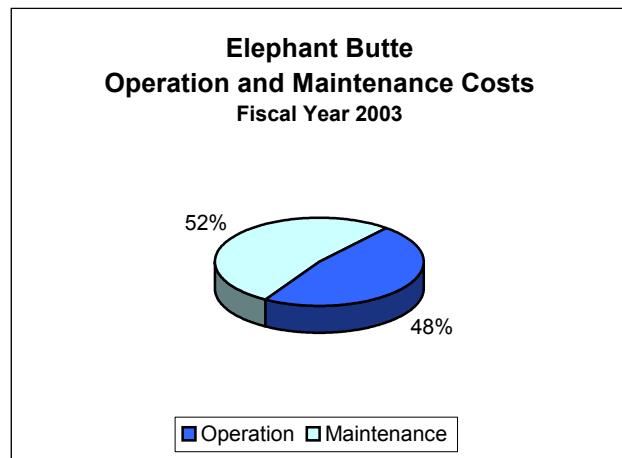
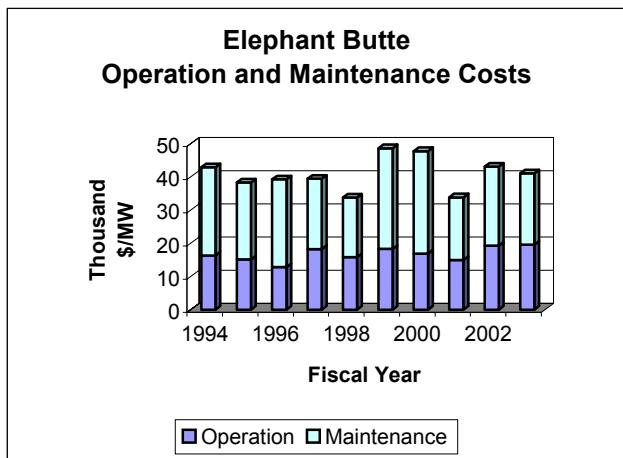
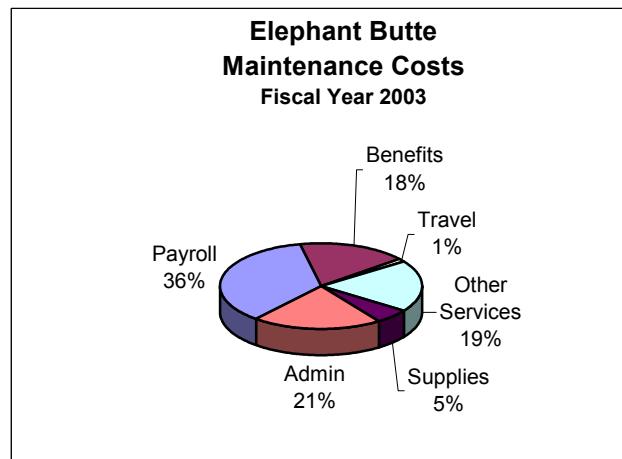
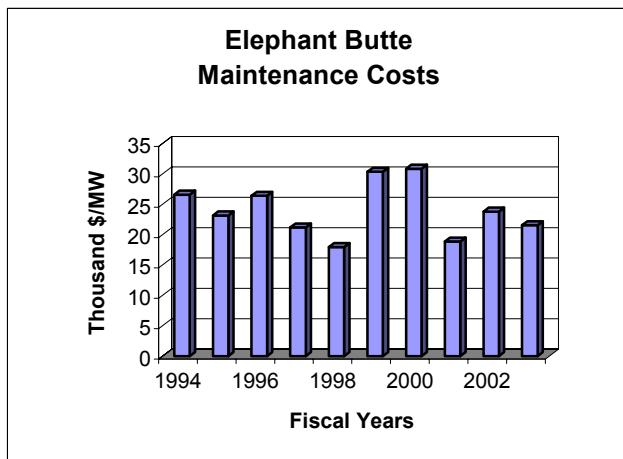
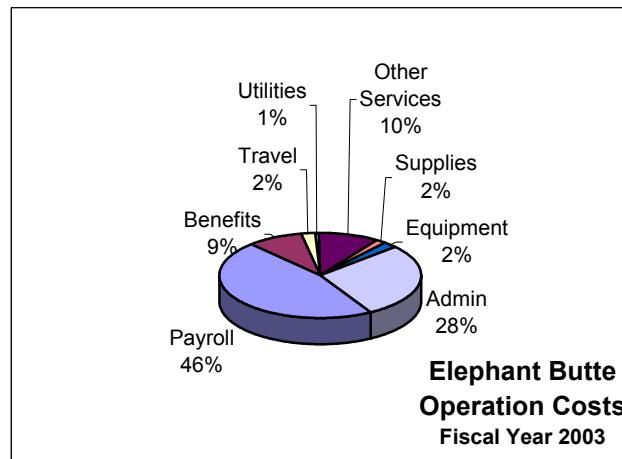
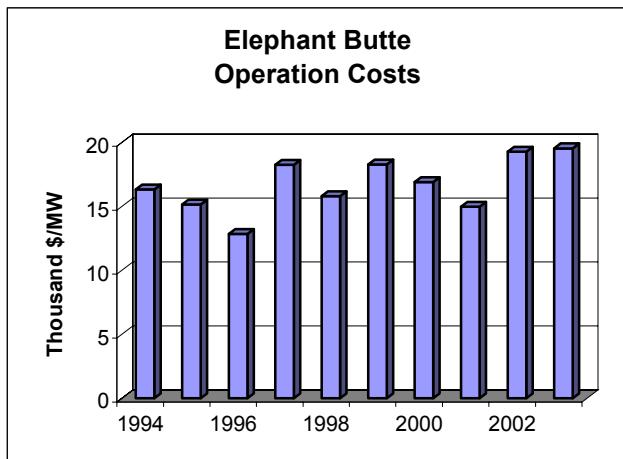


**Benchmark 2
Reclamation's Production Cost as Percentage of Wholesale Firm Rate**



Elephant Butte Powerplant Seasonal

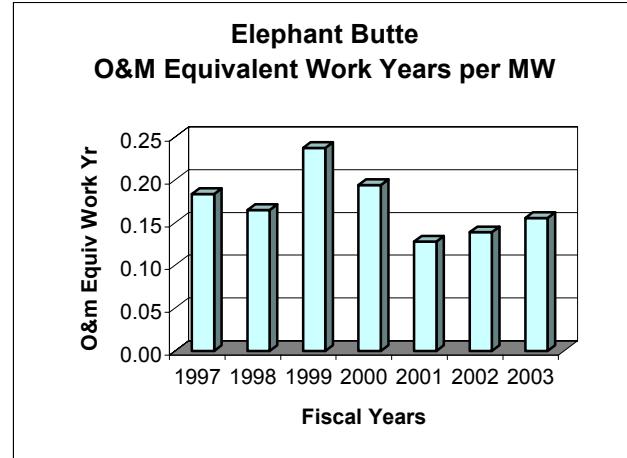
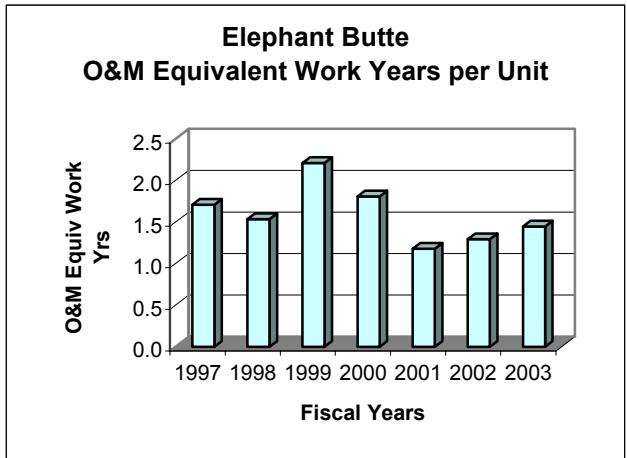
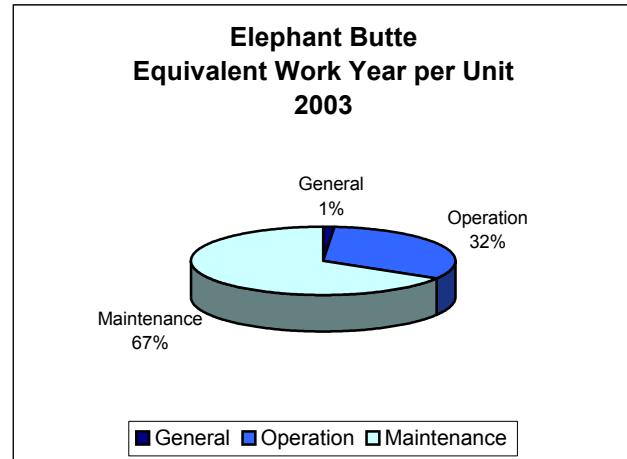
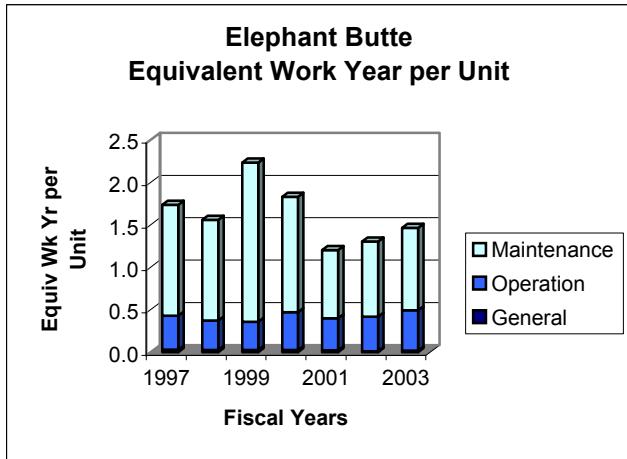
Benchmark 3 Production Cost



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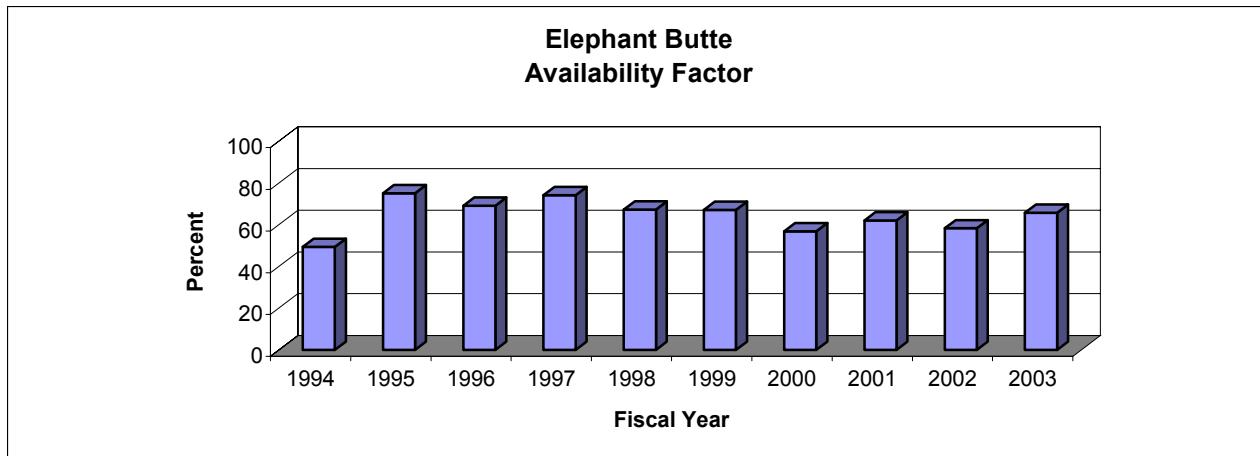
**Benchmark 4
Workforce Deployment**

Elephant Butte 2003 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	0	0.07	0.07	0.02	0.002
Operation	1.27	0.15	0	1.42	0.47	0.05
Maintenance	2.61	0.31	0	2.92	0.97	0.10
Total Staffing	3.87	0.46	0.07	4.4	1.47	0.16



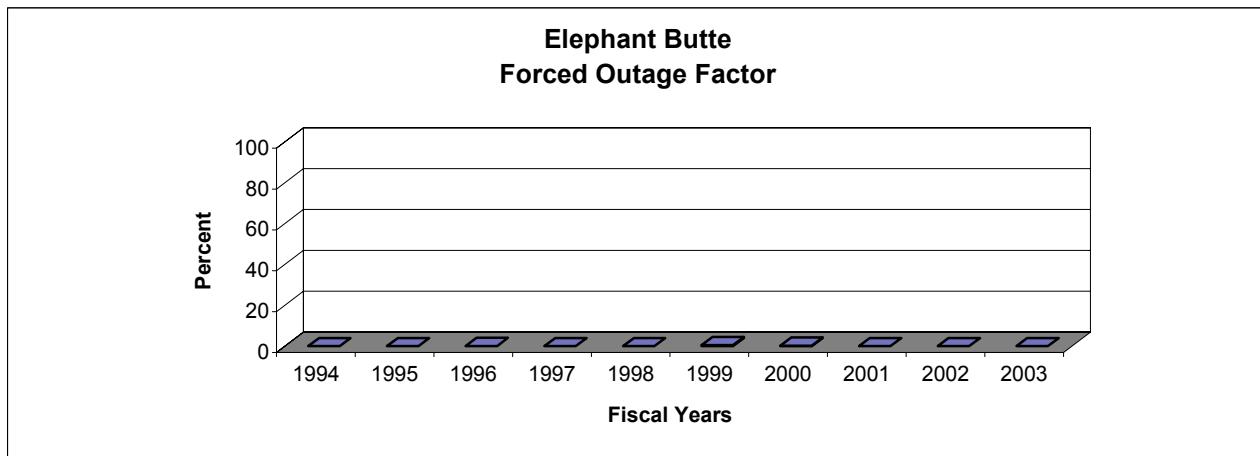
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**Benchmark 5
Availability Factor**



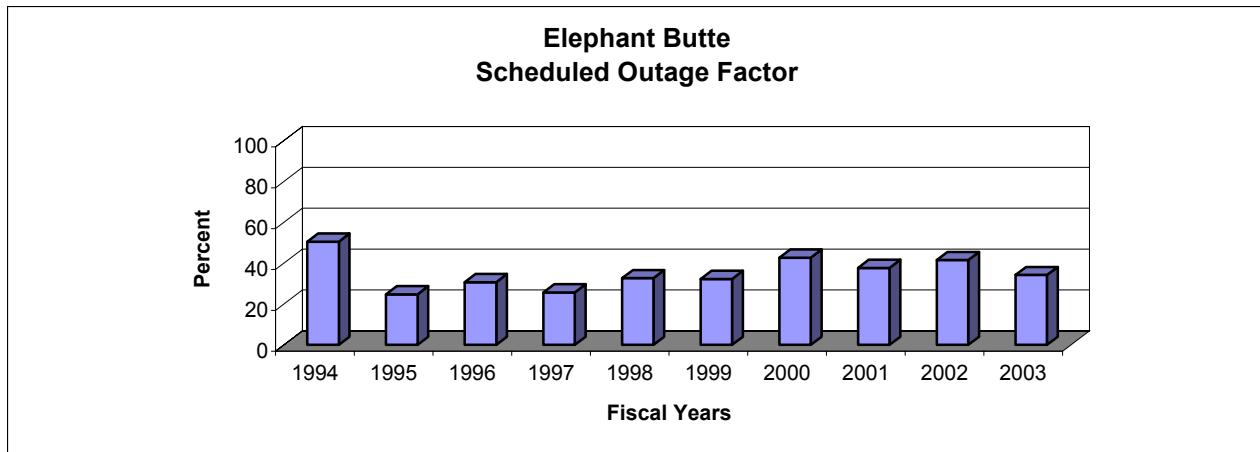
FY-94 - Extended maintenance on all 3 units

**Benchmark 6
Forced Outage Factor**



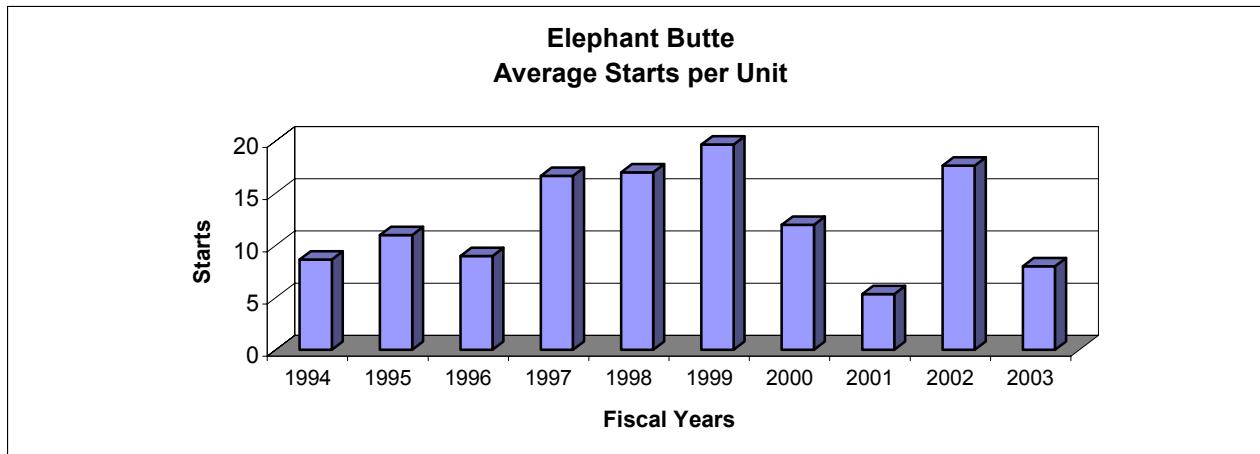
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**Benchmark 7
Scheduled Outage Factor**



FY-94 - Extended maintenance on all 3 units

Starts



Benchmark Data Comparison

Fiscal Year 2003	Elephant Butte Powerplant	Total Reclamation Average	Industry Average	Best Performers
Wholesale Firm Rate Mills/kWh	20.7	*23.1	Not Available	Not Available
Production Cost as Percentage of Wholesale Firm Rate	1.3%	12.0%	Not Applicable	Not Applicable
O&M Cost \$/MWh	36.0	2.7	Not Applicable	1.1
O&M Costs \$/MW	41,118	7,315	Not Applicable	3,108
O&M Equiv Work Year per MW	0.2	0.04	Not Available	0.01
Availability Factor	65.8	83.6	**88.9	99.1
Forced Outage Factor	0.0	1.5	**2.4	0.0
Scheduled Outage Factor	34.2	14.9	**8.7	0.0

*Weighted by Net Generation

**2002 NERC Average