Green Springs Powerplant
Rogue River Project

Ancillary Services

<table>
<thead>
<tr>
<th>Green Springs Ancillary Services</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spinning Reserve</td>
</tr>
<tr>
<td>Non-Spinning Reserve</td>
</tr>
<tr>
<td>Replacement Reserve</td>
</tr>
<tr>
<td>Regulation/Load Following</td>
</tr>
<tr>
<td>Black Start</td>
</tr>
<tr>
<td>Voltage Support</td>
</tr>
</tbody>
</table>

Generators

<table>
<thead>
<tr>
<th>Green Springs Generators Existing Number and Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Unit #</td>
</tr>
<tr>
<td>--------</td>
</tr>
<tr>
<td>1</td>
</tr>
<tr>
<td>1 Unit</td>
</tr>
</tbody>
</table>
Green Springs Powerplant
10-30 MW

Generation

Green Springs
Fiscal Year Net Generation

Green Springs
Monthly Net Generation

Green Springs
Water Supply

Water Spilled  Water Supply
Prime Laboratory Benchmarks

Benchmark 1
Whole Sale Firm Rate

Benchmark 2
Reclamation’s Production Costs as Percentage of Wholesale Firm Rate
Green Springs Powerplant
10-30 MW

Benchmark 3
Production Cost

Green Springs Operation Costs

Fiscal Years

Green Springs Operation Costs
Fiscal Year 2007

Other
27%
Utilities
1%
Admin
19%
Travel
1%
Benefits
8%
Payroll
44%

Green Springs Maintenance Costs

Fiscal Years

Green Springs Maintenance Costs
Fiscal Year 2007

Payroll
54%
Benefits
10%
Travel
3%
Other
4%
Supplies
3%
Admin
24%
Green Springs Powerplant
10-30 MW

Benchmark 3
Production Cost

Green Springs Operation and Maintenance Costs

Fiscal Year 2007
Total Production Costs
External Comparison

External Group Average = $163.9/MWh  Reclamation Group Average = $20.9/MWh

External Group Average = $40,852/MW  Reclamation Group Average = $67,610/MW
### Green Springs FY 2007 Equivalent Work Staffing Year Levels

<table>
<thead>
<tr>
<th></th>
<th>Equivalent Work Year Staffing Charged to Powerplant</th>
<th>Leave Additive</th>
<th>Denver and Washington Equivalent Work Year Staffing Additive</th>
<th>Total Equivalent Work Year Allocated to Powerplant</th>
<th>Total Equivalent Staffing Work Year per Generating Unit</th>
<th>Total Equivalent Work Year Staffing per Megawatt</th>
</tr>
</thead>
<tbody>
<tr>
<td>General</td>
<td>0.01</td>
<td>0.00</td>
<td>0.02</td>
<td>0.02</td>
<td>0.02</td>
<td>0.00</td>
</tr>
<tr>
<td>Operation</td>
<td>0.88</td>
<td>0.09</td>
<td>0.00</td>
<td>0.97</td>
<td>0.97</td>
<td>0.06</td>
</tr>
<tr>
<td>Maintenance</td>
<td>0.65</td>
<td>0.07</td>
<td>0.00</td>
<td>0.71</td>
<td>0.71</td>
<td>0.04</td>
</tr>
<tr>
<td>Total Staffing</td>
<td>1.53</td>
<td>0.16</td>
<td>0.02</td>
<td>1.71</td>
<td>1.71</td>
<td>0.10</td>
</tr>
</tbody>
</table>

---

### Green Springs Equivalent Work Year per Unit


- **Employees**: General, Operation, Maintenance

### Green Springs O&M Equivalent Work Years per Unit


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### Green Springs O&M Equivalent Work Years per MW

**Benchmark 5**
Availability Factor

**Benchmark 6**
Forced Outage Factor
Benchmark 7
Scheduled Outage Factor

Green Springs
Scheduled Outage Factor

Starts

Green Springs
Average Starts per Unit
# Green Springs Powerplant
## 10-30 MW

### Benchmark Data Comparison

<table>
<thead>
<tr>
<th>Fiscal Year 2007</th>
<th>Green Springs Powerplant</th>
<th>Reclamation Average 10-30 MW Group</th>
<th>Total Reclamation Average</th>
<th>Industry Average</th>
<th>Best Performers</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wholesale Firm Rate Mills/kWh</td>
<td>24.8</td>
<td>Not Applicable</td>
<td>*22.45</td>
<td>Not Available</td>
<td>Not Available</td>
</tr>
<tr>
<td>Production Cost as Percentage of Wholesale Firm Rate</td>
<td>0.01%</td>
<td>Not Applicable</td>
<td>12.1%</td>
<td>Not Available</td>
<td>Not Available</td>
</tr>
<tr>
<td>O&amp;M Cost $/MWh</td>
<td>6.38</td>
<td>16.40</td>
<td>2.76</td>
<td>***163.95</td>
<td>1.00</td>
</tr>
<tr>
<td>O&amp;M Costs $/MW</td>
<td>23,610</td>
<td>62,731</td>
<td>7,847</td>
<td>***40,852</td>
<td>2,897</td>
</tr>
<tr>
<td>O&amp;M Equiv Work Year per MW</td>
<td>0.10</td>
<td>0.22</td>
<td>0.03</td>
<td>Not Available</td>
<td>0.00</td>
</tr>
<tr>
<td>Availability Factor</td>
<td>87.1</td>
<td>88.5</td>
<td>82.3</td>
<td>**88.64</td>
<td>98.5</td>
</tr>
<tr>
<td>Forced Outage Factor</td>
<td>0.4</td>
<td>0.1</td>
<td>2.6</td>
<td>**2.61</td>
<td>0.0</td>
</tr>
<tr>
<td>Scheduled Outage Factor</td>
<td>12.5</td>
<td>11.4</td>
<td>15.1</td>
<td>**8.74</td>
<td>0.0</td>
</tr>
</tbody>
</table>

*Weighted by Net Generation

**2006 NERC Average

*** Energy Information Administration Data