Lower Molina Powerplant
Collbran Project

Ancillary Services

<table>
<thead>
<tr>
<th>Lower Molina 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>Lower Molina Generators</th>
</tr>
</thead>
<tbody>
<tr>
<td>Existing Number and Capacity</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Unit #</th>
<th>Original Capacity (kW)</th>
<th>Capacity Increased (kW)</th>
<th>Present Capacity (kW)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>4,860</td>
<td>-</td>
<td>4,860</td>
</tr>
<tr>
<td>1 Unit</td>
<td>4,860</td>
<td>-</td>
<td>4,860</td>
</tr>
</tbody>
</table>
Lower Molina Powerplant
0-10 MW

Generation

Lower Molina
Fiscal Year Net Generation

Lower Molina
Monthly Net Generation

Lower Molina
Water Supply

Water Spilled
Water Supply
Prime Laboratory Benchmarks

Benchmark 1
Wholesale Firm Rate

Benchmark 2
Reclamation’s Production Cost as Percentage of Wholesale Firm Rate
Lower Molina Powerplant
0-10 MW

Benchmark 3
Production Cost

Lower Molina Operation Costs

Fiscal Year 2007

Lower Molina Operation Costs

Fiscal Years

Lower Molina Maintenance Costs

Fiscal Years

Lower Molina Maintenance Costs

Fiscal Year 2007
Lower Molina Powerplant
0-10 MW

Benchmark 3
Production Cost

**Lower Molina Operation and Maintenance Costs**

Fiscal Year 2007

- **Operation**
- **Maintenance**

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**Lower Molina**

**Operation and Maintenance Costs**

Fiscal Year 2007

- **External Group Average** = $25.1/MWh
- **Reclamation Group Average** = $18.1/MWh

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**Total Production Costs**

External Comparison

Fiscal Year 2007

- **External Group Average** = $75,984/MW
- **Reclamation Group Average** = $80,508/MW

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**Total Production Costs**

External Comparison

Fiscal Year 2007

- **External Group Average** = $25.1/MWh
- **Reclamation Group Average** = $18.1/MWh
Lower Molina 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>0.00</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>0.85</td>
<td>0.09</td>
<td>0.00</td>
<td>0.94</td>
<td>0.94</td>
<td>0.19</td>
</tr>
<tr>
<td>Maintenance</td>
<td>1.76</td>
<td>0.19</td>
<td>0.00</td>
<td>1.95</td>
<td>1.95</td>
<td>0.40</td>
</tr>
<tr>
<td>Total Staffing</td>
<td>2.61</td>
<td>0.28</td>
<td>0.02</td>
<td>2.90</td>
<td>2.90</td>
<td>0.60</td>
</tr>
</tbody>
</table>

Lower Molina Equivalent Work Year per Unit

Lower Molina O&M Equivalent Work Years per Unit

Lower Molina O&M Equivalent Work Years per MW
Benchmark 5
Availability Factor

Benchmark 6
Forced Outage Factor
Benchmark 7  
Scheduled Outage Factor

Lower Molina  
Scheduled Outage Factor

Starts

Lower Molina  
Average Starts per Unit

Fiscal Years
## Benchmark Data Comparison

<table>
<thead>
<tr>
<th>Fiscal Year 2007</th>
<th>Lower Molina Powerplant</th>
<th>Reclamation Average 0-10 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>20.7</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>0.3%</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>20.33</td>
<td>14.71</td>
<td>2.76</td>
<td>***25.9</td>
<td>1.00</td>
</tr>
<tr>
<td>O&amp;M Costs $/MW</td>
<td>68,514</td>
<td>60,518</td>
<td>7,847</td>
<td>***75,984</td>
<td>2,897</td>
</tr>
<tr>
<td>O&amp;M Equiv Work Year per MW</td>
<td>0.59</td>
<td>0.39</td>
<td>0.03</td>
<td>Not Available</td>
<td>0</td>
</tr>
<tr>
<td>Availability Factor</td>
<td>80.5</td>
<td>88.7</td>
<td>82.3</td>
<td>**88.64</td>
<td>98.54</td>
</tr>
<tr>
<td>Forced Outage Factor</td>
<td>0.0</td>
<td>0.9</td>
<td>2.6</td>
<td>**2.61</td>
<td>0.00</td>
</tr>
<tr>
<td>Scheduled Outage Factor</td>
<td>19.5</td>
<td>10.4</td>
<td>15.1</td>
<td>**8.74</td>
<td>0.00</td>
</tr>
</tbody>
</table>

*Weighted by Net Generation  
**2006 NERC Average  
***Energy Information Administration Data