

Table 2. Continued

Resource	CMRR EIS Basis for Impact Analyses	Current CMRR Project Plans	Potential Consequences of Current CMRR Project Plans <sup>1</sup>
<b>Infrastructure (continued)</b>			
<i>Water Requirements</i>	<p>Construction (NF and supporting structures):</p> <ul style="list-style-type: none"> <li>• 2.39 MG total; average 0.80 MG/yr over 3 yrs or 0.4% of available capacity</li> </ul> <p>Operations (RLUOB and NF):</p> <ul style="list-style-type: none"> <li>• 10.4 MG/yr, 5% of available capacity</li> </ul>	<p>Construction (NF and supporting structures):</p> <ul style="list-style-type: none"> <li>• 96.39 MG total; average 17.52 MG/yr for 5.5 yrs, or 17% of available capacity</li> <li>• Estimated peak use<sup>10</sup>: 0.18 MG/day</li> </ul> <p>Operations (RLUOB and NF): 11.9 MG/yr, 11% of available</p> <ul style="list-style-type: none"> <li>• RLUOB: 5.2 MG/yr</li> <li>• NF: 6.7 MG/yr</li> </ul> <p>The increased water requirement of 1.5 MG/yr for operation would be a result of the installation of a demineralization system to remove silica and improve equipment performance.</p>	<p>Planned and proposed construction activities are expected to have a minimal (short-term and temporary) effect on the water supplies. During the construction phase (5.5 yrs), the temporary increase in water would be approximately 17% of LANL's available (surplus) capacity and it will not impact the available water supply to any current or projected uses. Bounded by the 2008 SWEIS, within site-wide limits.</p> <p>There is no expected change in impacts associated with the Operations water use requirements. Operational use will decrease the available (surplus) capacity only slightly more than originally projected; however, it will not impact water supplies to any current or projected uses. Bounded by 2008 SWEIS; within site-wide limits.</p>
<i>Power Requirements</i>	<p>Construction (NF and supporting structures):</p> <ul style="list-style-type: none"> <li>• NF: 177.5 MWhr/yr</li> </ul> <p>Operations (RLUOB and NF):</p> <ul style="list-style-type: none"> <li>• 19,272 MWhr/yr, 4% increase in demand</li> <li>• Peak load of 2.6 MW, 3% increase in demand</li> </ul>	<p>Construction (NF &amp; supporting structures):</p> <ul style="list-style-type: none"> <li>• NF: 337 MWhr/yr (includes batch plant operation)</li> </ul> <p>Operations (RLUOB and NF):</p> <ul style="list-style-type: none"> <li>• 43,680 MWhr/yr, 7% increase in demand</li> <li>• Peak of 3.7 MW, 3% increase</li> <li>• Estimates include 30% load growth/year for 50-year design life</li> </ul> <p>The increase in electrical requirements of 24,408 MWhr/yr is a result of the current project design, the increased size of the facility, and the added growth factor over 50 years.</p>	<p>Planned and proposed construction activities are expected to have a temporary effect on the electrical power requirements at LANL.</p> <p>Electrical requirements for the operation of the CMRR-NF are expected to have a minimal effect on LANL operations. Bounded by the 2008 SWEIS; within site-wide limits.</p>