

**MUNI/WESTERN EXHIBIT 10-27**  
**DWR CLIMATE CHANGE, TABLE 2-1, PAGE 2-6**

**Table 2-1 Potential Effects of Climate Change on California's Water Resources and Expected Consequences**

<b>Potential Water Resource Impact</b>	<b>Expected Consequence</b>
<b>Reduction of the State's average annual snowpack</b>	<ul style="list-style-type: none"> <li>• Potential loss of 5 million acre-feet or more of average annual water storage in the State's snowpack</li> <li>• Increased challenges for reservoir management and balancing the competing concerns of flood protection and water supply</li> </ul>
<b>Changes in the timing, intensity, location, amount, and variability of precipitation</b>	<ul style="list-style-type: none"> <li>• Potential increased storm intensity and increased potential for flooding</li> <li>• Possible increased potential for droughts</li> </ul>
<b>Long-term changes in watershed vegetation and increased incidence of wildfires</b>	<ul style="list-style-type: none"> <li>• Changes in the intensity and timing of runoff</li> <li>• Possible increased incidence of flooding and increased sedimentation</li> </ul>
<b>Sea level rise</b>	<ul style="list-style-type: none"> <li>• Inundation of coastal marshes and estuaries</li> <li>• Increased salinity intrusion into the Sacramento-San Joaquin River Delta</li> <li>• Increased potential for Delta levee failure</li> <li>• Increased potential for salinity intrusion into coastal aquifers (groundwater)</li> <li>• Increased potential for flooding near the mouths of rivers due to backwater effects</li> </ul>
<b>Increased water temperatures</b>	<ul style="list-style-type: none"> <li>• Possible critical effects on listed and endangered aquatic species</li> <li>• Increased environmental water demand for temperature control</li> <li>• Possible increased problems with foreign invasive species in aquatic ecosystems</li> <li>• Potential adverse changes in water quality, including the reduction of dissolved oxygen levels</li> </ul>
<b>Changes in urban and agricultural water demand</b>	Changes in demand patterns and evapotranspiration rates