Hazard Analysis

A hazard summary lists the types of events that can disrupt a water system and the potential magnitude of the hazards associated with these events.

Estimated Probability is the average occurrence interval appropriate to each water system. This could be expressed in events per 100 years; rated as high, medium or low; rated one through five; or using another rating scheme more common to the utility.

Estimated Magnitude includes the potential severity of the hazard using measurements such as Richter scale, wind speed or flood elevation. This column could also be used to indicate the expected maximum extent of loss or disruption to the utility.

Type of Hazard	Estimated Probability	Estimated Magnitude	Water System Components Affected
Earthquake			
Fault rupture/ground shaking			
Liquefaction			
Subsidence			
Landslide			
Tsunami			
Wind storm			
Storm surge			
Flooding			
Forest or brush fires			
Volcanic eruptions			
Other severe weather			
Snow or ice			
Extreme heat			
Extreme cold			
Lightning			
Other			
Waterborne diseases			
Hazardous-material release			
Chlorine			
Other spill			
Structure fires			
Wild fires			
Construction accidents			
Transportation accidents			
Road			
Rail			
Water			
Air			
Nuclear bomb explosions/fallout			
Terrorism			
Vandalism			
Riots			
Strikes			