



Case Study Category: MPDW

Case Study Title: Assessment of a 12-Inch Cast Iron Main Break with Consequence Likelihood Evaluation Matrix (CLEM) by Portland Water Bureau

Utility Name: Portland Water Bureau

Case Study Abstract: This case study covers the effects of a 12 inch cast iron water line break under a major roadway. The water line is owned by Portland Water Bureau (PWB). PWB has developed a matrix to use to combine likelihood of failure and consequence of failure into a risk assessment. This break presented a unique opportunity for PWB to determine whether their method of determining risk due to consequence of failure is adequate. The comparison resulted in the discovery that the current method of PWB's risk assessment would not have resulted in doing preventative care on the pipe that burst or similar pipes.

Case Study Link: <http://waterid.org/content/assessment-12-inch-cast-iron-main-break-consequence-likelihood-evaluation-matrix-clem-portla>