



Case Study Category: MPWW

Case Study Title: Risk model for sewer pipe at Seattle Public Utilities, Washington

Utility Name: Seattle Public Utilities

Case Study Abstract: This case study summarizes the risk model that Seattle Public Utilities uses for its sewer pipe system. The risk model is based on Weibull-type distribution and applies a unique failure curve to each pipe in the system based on its age and material type. SPU's condition assessment decisions are based on Sewer Pipe Risk Model, an in-house developed model. Fundamentally, the Sewer Pipe Risk Model calculates the risk in terms of cost of failure for each individual pipe by multiplying the estimated consequence of failure by the estimated likelihood of failure.

Case Study Link: <http://waterid.org/content/risk-model-sewer-pipe-seattle-public-utilities-washington>