



2009 ASCE Pacific Northwest Regional Student Conference
“WaterTown Event”

Introduction

Municipal infrastructure design is a complex challenge involving a myriad of factors. The distribution of clean water to the users/customers in an urban setting fits this description well. A reliable system delivering potable water for a variety of uses at multiple distribution points is an expectation in today’s modern society, all while holding public safety/welfare paramount and at the same time being sensitive to the “taxpayer”.

The Event

The task for this WaterTown event is to design and construct the most economical potable water system for a “typical” city, adhering to minimum design/delivery criteria to a set number of customers at their respective location. Each school may field one team consisting of 2-4 members. Each team will be given a kit consisting of pipe sections/fittings, a “town” layout with topographic features, and a water source. “Everything” has an associated cost – materials, right-of-way, temporary street closures, etc. Each team will have approximately 35 minutes to complete the design/construction of the water system, followed by a short presentation to the judges. The event is timed and closed to spectators. The order of competition will be predetermined and announced at the conference registration/check-in.

Sponsored/Facilitated by: Montana State Section of ASCE and Billings Engineers Club

When: Friday April 3, 2009, 1:00 pm — 5:00 pm

Where: PE Complex Upper Gym

For planning purposes, please email andersl@ce.montana.edu by Wednesday March 25 if your school would like to participate in this event.