



Water Efficiency Research Committee Projects - 2009

Project No. 11

Project Name: Dipper Wells – Water Use and Savings

Description:

Coffee houses, ice cream establishments, and similar retail operations are required by health authorities to employ some form of ongoing rinsing and/or cleaning of ice cream dippers that are in continuous use. The majority of such establishments use continuous-run dipper wells wherein dippers (scoops) are plunged into the water-filled well (about 1-2 quarts in capacity) after each use. Running water is used to create a continuous exchange of water in the well. Other approaches may be available to maintain health code standards without a continuously running system. This project is designed to evaluate water-saving alternatives to traditional dipper wells and estimate the potential water use reduction in the U.S. and Canada for each alternative. This information should help establish performance-based products and assist in defining water utility programs directed at replacement of the inefficient practices and products with new, efficient products.

Type of Research: Laboratory and field

Expected Term to Complete the Research: 9 months

Estimated Cost Threshold: Low

Current Status: Unfunded by water efficiency interests. Independent research being conducted by users and manufacturers.