



Boston Scientific, Maple Grove

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Organization

Boston Scientific is a medical device manufacturer dedicated to transforming lives through innovative medical solutions that improve the health of patients around the world.

Intern Project

The goals were to assess water usage in a life cycle analysis and balance, and to provide recommendations for water conservation.

Incentives to Change

The Maple Grove site would like to better understand their water usage and find ways to reduce consumption in time for their next Sewer Availability Charge (SAC) assessment and discharge permit re-application period.

Solutions

Reduce Tank Dump frequency

Implemented with immediate pay back.

Savings include 4,000,000 gpy, \$15,000/year in water bills, and \$100,000 in possible SAC fees.

Reclaim Brine Discharge

Investigative and quick payback.

Savings include 96,000 lbs water softener salt and \$8,300 in salt charges.

Re-estimate Sewer Utility Costs

Investigative and immediate pay back. Savings include \$17,700/year in water bills.

