



RES'EAU-WaterNET

An **NSERC** Small Water System
Strategic Network

Wednesday, April 07, 2010

Mission

RES'EAU-WaterNET is dedicated to maximizing benefits to small and rural communities by becoming the nation's premier solution provider for the drinking water treatment industry



The Network

- 7 universities (in AB, BC, ON, and QC)
- About 30 partner organizations
- 18 research projects
 - Grouped into 5 different *Hubs*
 - Significant interaction and networking between projects and *Hubs*



Program Overview

- Source Water Quality
- Technology Development and Evaluation
- Cost Analysis & System Operations
- Technology Validation and Knowledge Transfer



Specific Challenges to be Addressed

Technologies and processes must be:

1. Applicable to a range of raw water qualities
 - *SRCs are widely distributed and each has its unique source water that varies seasonally and with climate*
2. Operator-friendly
3. Affordable and cost-effective to operate
4. Robust
5. Low in maintenance
6. Easily serviced with the assistance of remote expertise



Present Objectives

- Collect data on small and rural small water systems so as to develop
 - A decision support tool for operators
 - A cost analysis for technology adoption
 - Development of toolbooks for operators
- Data collection via a questionnaire