

**Implement**, Monitor and Review

## Treatment

Water treatment plants: •conventional water treatment plants •targeted removal of precursors during seasonal extremes (DOC in summer/fall)

Point of application of chlorine in WTP: •use alternative pre-disinfectant •no pre-chlorination

•ultrafiltration or nanofiltration •appropriately sized and maintained

pH adjustment

Iron and manganese removal: oxidation and filtration

Advanced treatment for large systems: ·enhanced coagulation, reverse osmosis, granular activated carbon filtration, dissolved air floatation, ion exchange, peroxide addi-

Potable Water Dispensing Units (PWDUs) community support



## **Alternative Disinfectants**

•Disinfection with chloramines

- •Disinfection with ozone
- •Disinfection with UV
- •Disinfection with MIOX

Improved design of water distribution and treatment systems •modeling

•Best Management Practices for the Control of Disinfection By-Products

> Water istribution system model of Ferryland, NL in EPANET