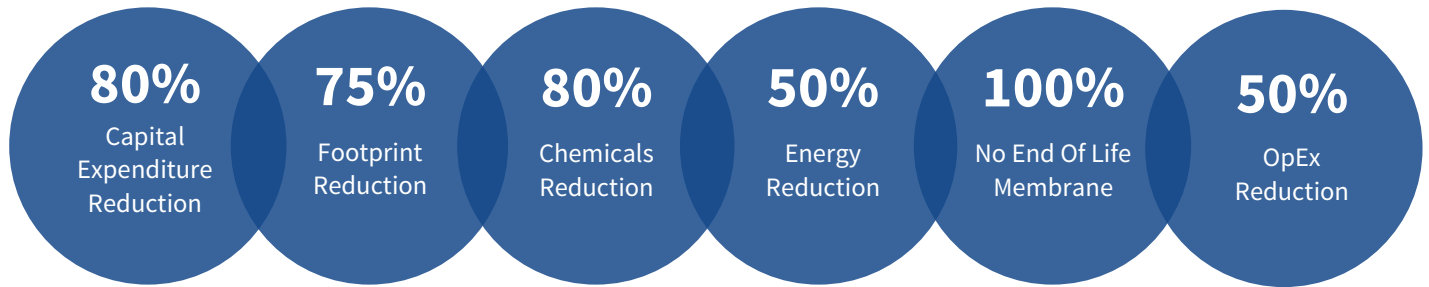


# Better Water at Lower Cost

## Continuous Ultra Filtration Process

**Cuf** Installations Have Proven Sustainable Reductions & Performance



- ✓ The Platform is the Plant
- ✓ Zero Liquid Discharge
- ✓ 300 GFD on Surface Water
- ✓ 600 GFD on Ground Water
- ✓ Lowest O&M Cost Structure
- ✓ Fully Automated
- ✓ >99% On-Line Duty
- ✓ Continuous Self Cleaning
- ✓ System UL Certified to ANSI 61
- ✓ LT2ESWTR Compliant
- ✓ Reduced Complexity
- ✓ > 25 Year Membrane Life
- ✓ 50% Less Coagulant
- ✓ Concentrated Sweep Floc (3X Efficiency)
- ✓ Marker Based DIT
- ✓ No Backwash Process
- ✓ No Backwash Tank
- ✓ No Clarifier
- ✓ No Flocculation or Polymer
- ✓ No Clean In Place (CIP)
- ✓ No Membrane Replacement
- ✓ No Filtrate Loss
- ✓ No Pre-Treatment
- ✓ No Chloramination
- ✓ No Permanganate
- ✓ No Temperature Constraints
- ✓ No Jar Testing
- ✓ No Bubble Decay Test
- ✓ No DIT Volumetric Concentration
- ✓ No Filter Press



- ✓ Twice the DOC Removal
- ✓ Best Warranty
- ✓ Allows Free Chlorine Use
- ✓ Reduces Cl<sub>2</sub> Demand
- ✓ 5.7 LRV Approval
- ✓ THM & HAA Compliance
- ✓ 100% of Filtrate to Distribution
- ✓ Only Level 2 Operator Required
- ✓ Continuous Flow
- ✓ 99% Feed Water Recovery
- ✓ Accepts Feed Pressure 0-150 psi
- ✓ Most Hydrophilic Membrane (SiC)
- ✓ Exceptional Cold-Water Performance
- ✓ Lower TMP & X Pressure
- ✓ Factory Acceptance & Review
- ✓ Factory Training Prior to Shipment
- ✓ Taste & Odor Removal
- ✓ In-Situ Coagulation
- ✓ In-Situ Oxidation
- ✓ In-Situ Reduction
- ✓ Virtually Indestructible
- ✓ Flexible Design Can Incorporate PAC
- ✓ 5<sup>th</sup> Generation 100% SiC Ceramic Membrane
- ✓ Constant Flux Capability
- ✓ No 0.3 Micron Prefilter
- ✓ No Temperature Constraints
- ✓ No Pressure Constraints
- ✓ No pH Constraints
- ✓ No Cleaning Constraints
- ✓ No Prorated Warranty
- ✓ No Irreparable Fouling
- ✓ No Coagulant Breakthrough
- ✓ No Onsite Fabrication
- ✓ No Need for Operator Adjustments
- ✓ No Composite or  $\alpha$  Alumina Ceramic
- ✓ No Air Sparging
- ✓ No Intermittent or Batch Processing
- ✓ No Ion Exchange (SIX)
- ✓ No Flux De-Rating Due to Cold Water
- ✓ No Membrane End-of-Life
- ✓ No Dead-End
- ✓ Not Just a Filter
- ✓ No Pinning
- ✓ No Charge Neutralization
- ✓ No Risk of Cross-Contamination
- ✓ Eliminates Complexity/Confusion
- ✓ No UV
- ✓ No membrane preservative requirement

**Learn More:** <https://www.youtube.com/watch?v=bs1vtEjZjbw>



