



2023

**BETTER
PROJECT**



Nestlé

NESTLÉ USA: Electrochemical Water Treatment Technology Saves Water, Energy

Nestlé USA achieved annual savings of 14,000 cubic meters of water and 25,000 MMBtus of energy at its Gerber facility in Arkansas by installing an electrochemical water treatment technology that treats cooling tower water and reduces reliance on chemicals.



The technology maintains the required chemistry of water and increases the cycles of concentration, resulting in reduced water loss through blowdown and more efficient compressor operation



The electrochemical process reduces scale and creates chlorine simultaneously, which acts as a biocide and eliminates the need for other chemicals



The new electrochemical water treatment solution was tested in a DOE Industrial Technology Validation pilot, and DOE's Plant Water Profiler tool helped identify opportunities to improve cooling tower water efficiency

