

## MillerCoors Energy and Water Efficiency Strategy



“Water is already shaping up as the next big environmental issue along with climate change. Being sustainable means understanding our water situation today and knowing the steps we can take to maintain it or even improve it for tomorrow.”

Jack Jackson, *Vice President and Plant Manager, Fort Worth Brewery*

15%

Energy Intensity  
Reduction by  
2015

8 %

Less CO2  
Emissions  
by 2015

### MillerCoors.

Based on a company-wide initiative to reduce carbon footprint and operating costs, Miller-Coors has contracted with E4E Solutions to perform comprehensive energy and water audits and design-build services in all of its U.S. based breweries. With a focus on electricity, water, steam, and co-gen, our team developed an average of 30 turnkey projects for each of the 8 major breweries in the U.S. and is currently implementing many of these projects. All efforts align with Miller-Coors corporate sustainability movement to reduce energy and water intensity by 15% by the year 2015.

### Projects.

Being the key ingredient, our **water** efficiency projects reduce unnecessary CIP processes and repurpose rinse water to lessen the need for fresh water. Through upgrades like pasteurization water controls, pump VFD's, process modifications, and even reallocation of flow meter data, key performance indicators for water use are showing significant improvement in the breweries' water consumption.

Various **energy** projects, such as wort cooler staging and kettle heat recovery, provide substantial cost reductions by removing redundancy in heat transfer while projects like compressed air knife modification in the packaging departments help to curb electrical waste. Along with advanced HVAC, lighting, and refrigeration upgrades the plants are following a downward usage trend across the board.