Kerry Ingredients and Flavours, Rochester

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Organization
Kerry is a food company based in Tralee, Ireland. The Rochester facility focuses on fermented ingredients, proteins, and dairy.

Intern Project
Increase energy efficiency, reduce water use, and optimize chemical use by assessing steam usage, water for cooling, and wastewater management.

Incentives to Change
Improve utility systems to reduce resource consumption, decrease costs, and extend equipment longevity. Meet the needs of production growth sustainably with the upcoming plant expansion.

Solutions

Close Well Water Loop:
Drastically reduce water use by switching from single-pass cooling to a closed loop.

RO Unit for Boilers:
An RO unit to reduce boiler blowdown reducing water, gas, and boiler chemical consumption.

Improve Condensate Recovery:
Replacing steam traps and installing condensate pumps will reduce new make-up water required for steam.

Wastewater Equalization:
Pretreat wastewater in above ground wastewater tank, increasing the effectiveness of pH neutralization, reducing caustic and acid consumption.