

# Improved Efficiency of Acrylates Area Cooling Tower Pumps



Cooling Tower Pumps for the Acrylates Area

- ▶ A DOE pump assessment performed in 1999 using the Pumping System Assessment Tool (PSAT) identified the pumping system for the acrylates cooling tower as an area for potential energy savings.
- ▶ The impellers on the acrylates cooling tower pumps showed significant wear, resulting in below-design capacity flows and reduced efficiency.
- ▶ A new pump system increases flow rates to the design level and reduces energy use.
- ▶ The new system delivers more flow capacity while using less energy.

## Benefits

- ▶ Saves \$70,000 per year in energy costs.
- ▶ Increases pumping capacity for the cooling tower and planned expansions.



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