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.