



## FEATURED PROJECTS

# Wastewater Efficiency Leads to Big Savings for Ally Clients

With Ally as an efficiency engineering partner, multi-site industrial manufacturing facilities can benefit from untapped wastewater savings opportunities.

### Natural Gas Usage Drops an Estimated 40K BTU's at Wastewater Treatment Plant

**OVERVIEW:** Exorbitant winter natural gas usage was associated with the heating of effluence required to maintain proper temperature in secondary aeration basin.

**PROJECT:** Ally replaced surface aerators with sub-surface propellers and implemented aeration blower controls upgrades (VFD based on dissolved oxygen levels).

**RESULTS:** Annual 40K BTU Savings, Annual Energy Savings of \$140K and Associated Maintenance Savings of \$70K with a 2 Year Simple Payback.

### Dissolved Air Flotation (DAF) Pre-Treatment Wastewater System Installation Results in Cost Savings Over \$1.3 Million

**OVERVIEW:** Industrial manufacturing plant operators needed a partner to oversee the installation of a DAF pre-treatment system.

**PROJECT:** Ally provided engineering design and permit support, capital costs, project construction and project management. Ally also oversaw the construction and commissioning of a new building to house the DAF system as well as the development of operations and maintenance manuals and system training.

**RESULTS:** Reduction in Wastewater Treatment Costs, Plus an Added Revenue Stream from the Recovery of #2 Grease, for a Combined Savings Opportunity of \$1,388,930.

### Ally's System Audit Expertise Results in Automatic \$1.6 Million Water & Sewer Bill Reduction

**OVERVIEW:** When faced with a \$1.7-million-dollar water and sewer bill, an industrial manufacturing plant came to Ally looking for ways to reduce the volume of wastewater hitting the sewers.

**PROJECT:** Ally analysts reviewed the facility's sewer bill and determined that it was being calculated based on water purchases not on measured outflow – Ally measured the evaporation from two large cooling towers and concluded the wastewater charges were simply being calculated incorrectly.

**RESULTS:** A Simple Letter Explaining the Charge Overages Error Resulted in a Dramatic Cost Savings of \$1.6 Million.

## Portfolio-Wide Upgrades Result in More Than \$2.5 Million in Annual Savings

Single site projects can result in impressive savings but the savings are exponentially bigger when applied to entire portfolios.

An Ally client recently completed wastewater upgrades to five of its facilities resulting in Annual Cost Savings of

**\$2,566,235**



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