



UTILITIES

OUR SERVICES

- ▶ Site Assessment & Recommendations
- ▶ Condition Assessment & Recommendations
- ▶ 24-Hour Continuous Pump Station Analysis
- ▶ Annual Energy Savings & Costs
- ▶ Asset Prioritization & CIP Formulation

Upon request a sample "Lift Station Evaluation Report" can be provided.

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LIFT STATION analysis

WithersRavenel's lift station analysis services provide clients with detailed hydraulic and electrical information, including flow, level, pump capacity, number of starts and run time, time and volume of overflow, voltage and current per phase, frequency, power factor, true power, reactive power, and apparent power. A Condition Assessment is also provided, which summarizes the condition of each important site, structural, mechanical, and electrical/instrumentation components of the lift station.

For new facilities, this information allows clients to benchmark their systems and verify that they are performing as designed. For existing facilities, it gives clients a complete picture of their systems and can help identify areas that need repair or replacement. The lift station analysis is indispensable for capital improvement planning. This becomes the basis for understanding the costs associated with operating and maintaining the facility and for identifying areas where changes would produce the greatest cost savings.

A Lift Station Evaluation Report is provided, which summarizes the Condition Assessment, showing real-time influent flow and pump operation graphs both for flow and power consumption. Photographs of the site and pump equipment document the present conditions of the site.

