

# Top 5 Ways to Reduce STP Operational Costs

## 1. **Energy Efficiency**

Upgrade to high-efficiency pumps and motors, and implement variable frequency drives (VFDs) to optimize energy consumption. Regular maintenance of electrical components can further reduce energy waste.

## 2. **Regular Maintenance**

Establish a routine maintenance schedule for all system components, including tanks, pumps, and electrical systems. Addressing minor issues promptly can help avoid costly repairs and minimize downtime.

## 3. **Water Management**

Implement effective strategies to manage inflow during heavy rains, such as improved drainage systems. Ensure treated water is discharged properly to prevent overflow and stagnation, reducing potential costs.

## 4. **Automation & Monitoring**

Invest in automated monitoring systems for real-time tracking of system performance and water quality. Quick detection of issues allows for timely interventions, leading to cost savings.

## 5. **Maximize Resource Recovery**

Explore options for recovering resources from the treatment process, such as biogas or nutrients from sludge. This not only generates potential revenue but also reduces disposal costs.