

Water and Wastewater Treatment

The American Recovery and Reinvestment Act (ARRA) envisions a more energy-efficient, up-to-date America. With ARRA's investments, America's water and wastewater treatment plants can modernize their aging power systems.

In America's water and wastewater treatment plants, aging equipment requires maintenance, but parts may not be readily available. High quality, reliable filtration systems are critical to maintain EPA compliance regarding debris removal from the wastewater discharge flow stream. Maximizing uptime is critical to handle peak water demands, avoid overflows and ensure safe drinking water.

Eaton's electrical solutions offer aftermarket products and services that can extend the useful life of equipment. You will be able to keep equipment in service longer, reduce overall maintenance costs and cut energy consumption.

Eaton's filtration solutions complete the treatment process by trapping and removing undigested debris while offering the convenience of automatic cleaning. Whether it is a new facility expansion or a modernization, take a look at some of Eaton's solutions for water and wastewater treatment plants.

Eaton solutions for water and wastewater treatment plants include:

- Variable Frequency Drive (VFD) retrofits for LV and MV motor control centers
- New motor control center buckets for any manufacturer's equipment
- Automatic Self-Cleaning Strainers trap discharge debris
- Breaker modernizations and new roll-in replacement breaker solutions
- Power quality solutions including Sag Ride Through (SRT) and surge protection
- Power factor correction
- Power Xpert® architecture metering and software
- PowerChain Management® Audit services
- GearGard® remote monitoring



Powering Business Worldwide

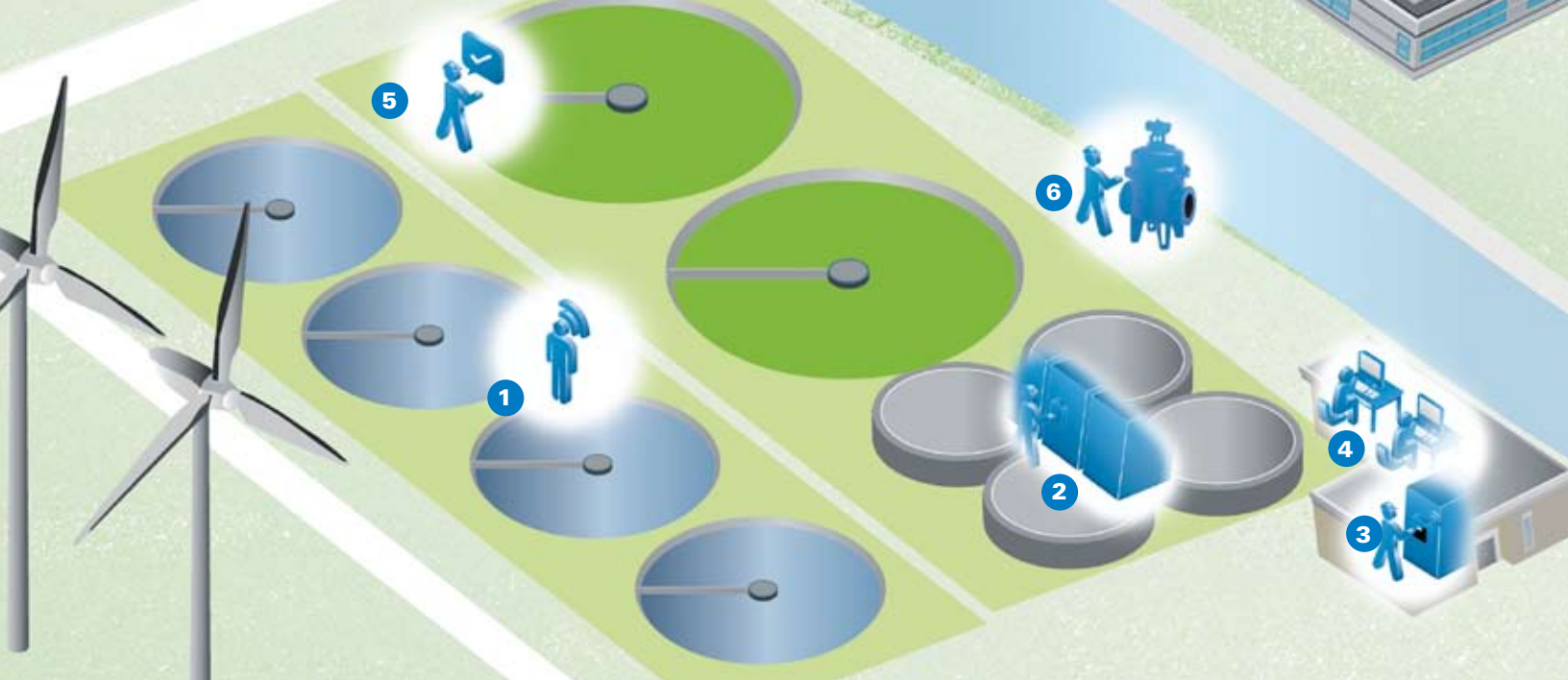


ACT NOW!

Eaton Recovery Hotline

1.888.ETN.1USA (1.888.386.1872)

www.eaton.com/recovery



Our industry-leading products and services are designed to deliver:

- Reliability
- Energy Efficiency
- Safety
- Cost Effectiveness
- EPA Compliance
- Ease of Maintenance

1 Solve problems sooner

Because water and wastewater treatment plants must treat and pump water continuously, they can't schedule outages for equipment maintenance. Eaton's remote monitoring solutions continuously monitor key failure indicators like humidity levels, helping you respond to equipment problems sooner.

- Remote monitoring
- Energy/power meters and monitoring software

2 Increased availability

Power distribution and power quality equipment can be inefficient. That means wasted energy and increased downtime. Eaton offers leading-edge solutions for power distribution and power quality to help improve uptime while reducing energy use.

- PowerChain Management Audits
- Energy/power meters and monitoring software
- Paralleling switchgear for generators
- Medium and low voltage switchgear
- Uninterruptible Power System (UPS)
- Third party monitoring
- Engineering services

3 Improve user safety

Employers need to keep their employees safe from arc flash hazards. Eaton can help protect workers with the right equipment, proper training and proper equipment labeling.

- Arc flash hazard analysis services
- Arcflash Reduction Maintenance System™
- Remote racking devices for circuit breakers
- Arc Fault motor control center and arc mitigation switchgear

4 Energy efficiencies

Whether it's facility expansion, modernization, or both, water and wastewater treatment plants can use Eaton's products and services to improve energy efficiency. With intelligent drives that match energy flow, facility managers will be able to manage energy usage.

- Medium voltage drives
- Paralleling switchgear
- Low voltage drives
- Sag correction devices
- Automatic transfer switches
- Energy/power meters and monitoring software

5 Extend useful life

Many water and wastewater treatment plants use aging equipment that's beyond its anticipated useful life. Older equipment is more likely to fail, and replacement parts can be hard to find. Eaton's extensive selection of aftermarket solutions can extend the useful life of equipment by replacing key components before they fail.

- Medium voltage vacuum replacement breakers
- Low voltage air replacement breakers
- Motor control center bucket replacements
- Class 1 equipment reconditioning

6 Ensuring Clean Discharge

To meet EPA water quality standards, debris such as plastic that doesn't degrade must be removed from discharge water. Eaton automatic self-cleaning strainers maintain water quality and help ensure EPA compliance.

- Minimal maintenance
- Low energy requirements
- Long-term, reliable performance