



MATSON ENVIRONMENTAL

Energy Audit Case Study Whitehall Township Authority

Client:

Whitehall Township Authority
1901 Schadt Avenue
Whitehall, PA 15072-3728

Contact:

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The Whitehall Township Authority (WTA) provides 13,000 residents of Eastern PA with 1.2 million gallons of water daily, with consumption fairly evenly divided between residential and commercial users. The Authority contracted Matson Environmental and building services partner Envinity to audit all authority facilities, including

- ◆ Six water wells
- ◆ Two treatment facilities
- ◆ Two booster stations
- ◆ A mixed-use office building



Services Provided:

- ◆ Preliminary Energy Audit
- ◆ Comprehensive Energy Audit

Potential Annual Savings Overview:

- ◆ \$19,500+ in energy costs



Hour-by-hour consumption, Schadt Ave. facility

- ◆ Utility Bill Analyses for each facility
- ◆ Energy Conservation Measures for each facility
- ◆ A walkthrough visit of each facility
- ◆ Conservation initiative recommendations and analysis of in-system water losses
- ◆ SCADA log analysis of treatment facilities

With the Comprehensive Audit, Matson Environmental identified 48 Energy Conservation Measures for the WTA, including:

- ◆ Lighting retrofits & occupancy sensors
- ◆ Solar hot water heating
- ◆ HVAC upgrades
- ◆ Operational changes
- ◆ Power Consumption Logging

Contact Us:

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