

PROJECT REFERENCE

CITY OF MIDDLETOWN

Middletown, OH 45042

Project Type: House Bill Energy Project

Impact: Maintenance and Operational savings totaling over \$5.6 million dollars over twenty years.



BACKGROUND:

The City of Middletown was experiencing high operation and maintenance costs throughout the city due to aging equipment and infrastructure and system failures.

CHALLENGES:

The biggest challenge experienced was the lack of available funds Middletown had which required the city to use a paid from savings program to allow for upgrades to the infrastructure.

“The Perfection crew have done a wonderful job. They work well with our staff and represent your company very well!”

-Scott Belcher
Manager at City of Middletown Water Treatment Plant



New City Distribution Pump at Water Treatment Plant



Aging High Voltage Subgear

SOLUTION:

Perfection designed a House Bill Energy Project with a project investment of \$4.365 million to replace high voltage switchgear and motor control center equipment alleviating safety and operational concerns at both the Water Treatment and Waste Water Treatment plants.

Additionally at the Water Treatment Plant, the plant-wide dehumidification systems were replaced not only to reducing operating costs and eliminate ongoing repair costs but to eliminate other safety concerns due to the failures of the existing systems.

A new city distribution pump was implemented to supply fresh water to the city. The pump is operated on a variable speed drive which saves the city significant energy dollars while allowing for future system expansions.

- ▶ Replaced High Voltage Switchgear and Motor Control Center Equipment
- ▶ Replaced Plant-wide Dehumidification System
- ▶ Installed New City Distribution Pump

