



AMERICAN DEVELOPMENT
INSTITUTE

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SUMMARY

ADI Energy has been retained by the Department of Energy Resources (MA - DOER) to prepare a Clean Energy Audit for the fuel-consuming systems at the City of Worcester Water Treatment Facility.

DOER Massachusetts
Energy Consulting Massachusetts
Solar Energy Massachusetts

Size: 2 buildings, 60, 000 square feet

Vol.Capacity : 50 million gallons/day

Annual savings: \$28,492

Payback: in 1.2 years

SERVICES

- Energy audit
- Energy savings analysis
- Benchmarking
- ECM recommendations
- Energy profiling
- Plant sustainability
- Energy engineering
- Recommissioning

MEASURES

- Filtration heating and ventilation units
- EMS upgrades and retro-commissioning

Department of Energy Resources-MA City of Worcester Water Treatment Facility



UNIQUE VALUE TO CUSTOMER

Energy studies were commissioned for the City of Worcester Water Treatment Facility in order to identify cost-effective energy conservation measures (ECMs) that would qualify for funding under DOER's Energy Conservation Improvement Program (ECIP).

ADI Energy provided scoping audit and analysis to the City of Worcester Water Treatment Facility and recommended two ECM's to be prioritized in order for the City of Worcester Water Treatment Facility to yield significant energy savings. First ECM would be Filtration Heating And Ventilating Units that involves modifying the H&V units mechanically so that a mixture of return air and fresh air would be utilized. The second ECM would involve Energy Management System Upgrade and Retro-Commissioning .

