

# Rochester City School District (CSD)



## Rochester City School District Adopts New York Energy \$mart<sup>SM</sup> Offices Measures

*"As technology advances, plug-load electric use increases for every employee in our District. Education and awareness programs that identify behavioral patterns of our staff, make recommendations for improvements, and offer low cost/no cost incentives for implementation are beneficial to the taxpayers and the students we serve."*

– John Songer,  
Rochester City School  
District,  
Plant Manager



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The Rochester Board of Education office is a 102,500 square-foot building with four floors occupied by more than 480 full-time office employees. The office was used to test and provide energy savings estimates for measures to be promoted through the **New York Energy \$mart<sup>SM</sup> Offices Project** prior to implementation throughout the City School System.

The **New York Energy \$mart<sup>SM</sup> Offices Project** team, led by PA Government Services, Inc., analyzed the current energy use of plug-load equipment in the office and estimated the electricity savings from low-cost/no-cost, easy-to-implement energy-efficiency measures. The energy-efficiency measures target the full range of business and non-business equipment typically used by office employees, including computers, printers, copiers, faxes, task lighting, vending machines, water coolers, kitchen appliances, and other plug loads.

### Recommendations

The following actions were recommended to reduce plug-load electric costs:

- Turn off copiers and printers after hours and set copiers to go into "sleep mode" after a shorter period of inactivity during business hours
- Encourage staff to shut down personal computers, monitors, and other plug-load equipment when they leave their offices for extended periods
- Replace with ENERGY STAR<sup>®</sup> models
- Provide centralized break areas and remove personal appliances
- Replace multiple small personal printers with centralized network printers

### Incentives and Results

Rochester CSD has already implemented one recommendation to reduce the number of personal printers by better use of the centralized network printers already in place on each floor. The retirement of 240 small personal printers could save 62,880 kWh annually and reduce plug-load electric costs by \$4,827 or 14%. Rochester CSD can further reduce its annual plug-load by approximately 256,941 kWh, and electric costs by an estimated 58% or \$14,924, by purchasing and enabling management features on ENERGY STAR office equipment, employing simple timers on coffee makers and water coolers and using occupancy sensors on vending machines.

### New York Energy \$mart<sup>SM</sup>

All **New York Energy \$mart<sup>SM</sup>** programs are funded by a System Benefits Charge (SBC) paid by electric distribution customers of Central Hudson, Con Edison, NYSEG, Niagara Mohawk, Orange and Rockland, and Rochester Gas and Electric. NYSERDA, a public benefit corporation established by law in 1975, administers SBC funds and programs under an agreement with the Public Service Commission.

**New York Energy \$mart<sup>SM</sup>** programs are designed to lower electricity costs by encouraging energy efficiency as the State's electric utilities move to competition. The programs are available to electric distribution customers (residential, commercial, institutional, and industrial) who pay into the SBC.



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