Warewashing Operations: Helping Clients Achieve Greater Environmental Sustainability

As part of Sodexo’s efforts to create more environmentally sustainable operations for our clients, Supply Management has chosen to use the Ecolab Apex warewashing system. This system will help our clients reduce their consumption of natural resources and plastic packaging.

The Apex system not only features non-caustic, low-phosphorus* chemistry, but a data collection and reporting feature that helps Sodexo staff operate our clients’ dish machines more efficiently—often by 10% or higher. This operational efficiency translates into a significant savings of water and energy.

**Average client water and energy savings** based on a 10% reduction in racks washed for a unit that averaged 600 racks per day.

- 698 Therms of natural gas ($635.10)
- 21,900 gallons of water ($99.19)
- 12,264 kilowatt hours of electricity ($1,238.66)
- **Annual net utility savings:** $1,972.95

600 racks per day approximate conversions***:

- 200 Bed Hospital/Nursing Home
- 800 Higher Education students (3 meals a day)
- 2400 K-12 student meals (1 meal per day)
- 900 Corporate meals per day

*Apex Power machine detergent contains only 34% of the limit imposed by phosphorus-restricted states.

**Based on Ecolab research of dish machine utility consumption and U.S. national average utility rates.

***Based on 1 meal per rack for a hospital/nursing home, 4 meals per rack for a school cafeteria, and 1.5 meals per rack for a corporate cafeteria.

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