



WAVE Partners: Hotels and Motels

Water Alliances for Voluntary Efficiency (WAVE) is part of the U.S. Environmental Protection Agency's (EPA's) long-term effort to prevent pollution and reduce demands on the nation's water and energy resources. WAVE is a voluntary partnership that encourages commercial businesses and institutions to examine water usage and implement water efficiency programs. As the first sector served by the WAVE program, the lodging industry has an established history of water efficiency success. Since WAVE's inception in 1992, establishments ranging from family-owned bed-and-breakfasts to international hotel corporations have proven that the benefits from water efficiency flow down to the bottom line.

How Can My Hotel Become More Water Efficient?

The average hotel in the United States consumes 209 gallons of water each day for each occupied room,¹ meaning even moderate-sized hotels can use tens of thousands of gallons of water each day. By integrating water efficiency practices into everyday operation and installing water-efficient equipment, a 30 percent reduction in water consumption is possible with no loss of comfort to guests. These cost-effective practices conserve energy and valuable natural resources and can considerably reduce your chemical and maintenance costs... and your hotel's bottom line.

In most cases, increasing water efficiency is simple to do and quick to pay off. Choose the water efficiency practices that are economically viable and offer the greatest rewards for your facility.

How Can I Determine Which Efficiency Measures Are Best for Me?

WAVE•Saver, a windows-based software package available from EPA, enables hotel engineers and managers to survey and track water use, and identify specific water saving opportunities. The program includes full-motion video demonstrations, color photos and graphics, and online tutorials. WAVE•Saver allows you track water use throughout your hotel, including linen laundering, irrigation, and cooling towers. You can then identify and evaluate a variety of water efficiency measures to save water in those functions. WAVE•Saver has budgeting and forecasting features, and also includes an automated WAVE

Example WAVE•Saver Fixed Data Input Screen



¹ Redlin, M. and J. DeRoos. 1990. *Water Consumption in the Lodging Industry*. A Study prepared for the Research Foundation of the American Hotel and Motel Association.

report feature to make completing and submitting efficiency measures reports as simple as printing! Operating instructions are included in the "help" feature on the CD-ROM, making a paper copy unnecessary. For technical questions or software-related problems, please call the WAVE•Saver Technical Support Line at 800 993-WAVE (9283).

Wave-Saver Efficiency Report	
For Hotel WAVEENN Retrofit anretrot Water Cost \$1.84/KGal Sewer Cost \$2.55/KGal	
Summary of All Efficiency Measures	
All Measures - Total	Annual Savings
Payback: 1.2 years	Water: \$5,996 (1428 KGal)
Annual Savings: \$13,776	Energy: \$7,790 (111263 kWh)
Multiinstall Cost: \$16,740	Chemical: \$0
	OSM Cost: \$0
Faucets - Install aerators	
Faucet - Guest Room Double	Annual Savings
Payback: 0.4 years	Water: \$482 (114 KGal)
Annual Savings: \$1,375	Energy: \$953 (12763 kWh)
Multiinstall Cost: \$540	Chemical: \$0
Qty: 100	OSM Cost: \$0
Toilets - Ultra low flow toilet	
Toilet - Guest Room Double	Annual Savings
Payback: 6.3 years	Water: \$2,157 (514 KGal)
Annual Savings: \$2,157	Energy: \$0 (0 kWh)
Multiinstall Cost: \$13,500	Chemical: \$0
	OSM Cost: \$0

Example WAVE•Saver Efficiency Report Screen

Water Efficiency Success Story: Meyer Jabara Hotels

More than 20 million gallons and nearly \$145,000 in water and sewer costs! This is how much Meyer Jabara Hotels, a WAVE Partner since February 1995, estimates its water efficiency program saved in 1997 and 1998. Meyer Jabara Hotels, with headquarters in Danbury, Connecticut, and West Palm Beach, Florida, owns 22 properties with more than 4,000 rooms located in 14 states. Specific water efficiency measures vary among the individual properties; each facility decides which measures are most appropriate and will provide the greatest benefit. Typical measures include installing water-efficient fixtures, repairing equipment leaks, and instituting towel and linen programs, which allow guests to decide whether or not to reuse towels and sheets.

(Used with permission of Meyer Jabara Hotels.)

"It has been a pleasure participating in the progressive WAVE program. The WAVE software allowed us to take a deep look at all of the areas of water usage in the hotel. Based on the results of our survey, we have begun to strategically plan for water-efficient replacement fixtures in our 5 year capital plan. Further, water conservation is important to our local community. Therefore, we frequently communicate the conservation efforts that we take through our local marketing efforts. This is great "feel good" marketing content that gives us a unique edge over our competition."

Brent Reynolds
Assistant General Manager
Holiday Inn Youngstown-South

How Can I Join?

WAVE membership is only a phone call away! Call 202 260-7288 for complete information on becoming a WAVE Partner or Supporter. You also can write to the WAVE Program at U.S. EPA (4204), 401 M Street, SW, Washington, DC 20460; or visit our site on the Internet at <www.epa.gov/owm/genwave.htm>. Don't just go with the flow, ride the WAVE of water efficiency by joining those WAVE members who have already made the commitment to conserve our vital water resources while saving money.

