United States
Environmental Protection
Agency

Office of Water
4204

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September 1994

Introducing WAVE - Water Alliances for Voluntary Efficiency

Hotel Water Management for the 21st Century

Water Alliances For Voluntary Efficiency

Recycled/Recyclable
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Use Less, Save More: Let WAVE Show You How

For years, the lodging industry has faced a steady stream of water-management challenges: Growing demand. Rising costs. Uncertain supplies. Inefficient equipment. To help hotels find practical, profitable solutions to the business of managing water, EPA has created the Water Alliances for Voluntary Efficiency (WAVE) program.

WAVE is a voluntary (non-regulatory) partnership that encourages hotels to survey water use and to implement water-awareness and efficiency programs. It's all part of EPA's long-term goal to reduce demands on the nation's water and energy infrastructure, and to ensure that adequate water resources remain available for both human and environmental needs.

The Benefits of Greater Efficiency

Since profits are literally siphoned off daily, in dozens of places, the financial benefits of greater efficiency are obvious: Use less, save more. By combining high-efficiency upgrades with company water-awareness initiatives, even large users can reduce water and sewer expenses by up to 30%. Significant savings in chemical, energy and maintenance costs are also possible. The typical payback period is usually less than three years.

Increased Public Recognition from "Going Green"

Whether following corporate directives or new-found personal philosophy, today's travel consumers are increasingly basing purchase decisions on environmental considerations. This emerging market segment holds particular promise for WAVE Partners. WAVE's array of support services can help

PROOF THAT EFFICIENCY PAYS

Results From WAVE Charter Partners

Total savings include water, wastewater, energy, and chemical costs.

Hyatt Regency Monterey, Monterey, CA (579 Rooms)

Action Area: Laundry. Action Items: Installed new water reclamation system.

Estimated Savings:

- 4,563,000 gallons per year
- 52% laundry water savings
- $46,000 total savings annually
- 10% sewer bill savings

Sheraton Miramar, Santa Monica, CA (400 Rooms)

Action Area: Guest rooms. Action Items: New faucet aerators, shower heads, toilet dams.

Estimated Savings:

- 11,000,000 gallons per year
- 28% water savings
- $40,000 total savings annually

Outrigger East Hotel, Honolulu, Hawaii (444 Rooms)

Action Area: Guest rooms

Action Items: Installed early closure devices, shower heads, faucet restrictors.

Estimated Savings:

- 7,900,000 gallons per year
- 18% water savings
- $60,000 total savings annually

The Boston Park Plaza Hotel & Towers (Saunders Hotel Group), Boston, MA (977 Rooms)

Action Area: Guest rooms. Action Items: New faucet aerators, flushometers.

Estimated Savings:

- 7,600,000 gallons per year
- 14% water savings
- $49,000 total savings annually

Westin St. Francis Hotel, San Francisco, CA (1200 Rooms)

Action Area: Laundry. Action Item: Installed new water-reuse system.

Estimated Savings:

- 2,678,000 gallons per year
- 48% water savings
- $32,400 total savings annually
- 23% sewer bill savings

Signing the WAVE Memorandum of Understanding creates specific commitments.

	Partner	Supporter	Endorser
Survey water use devices in all facilities	●	●	
Upgrade equipment where profitable	●	●	
Complete upgrade within 5 years	●	●	
Appoint a WAVE Implementation Manager	●	●	
Help EPA promote the benefits of water efficiency and water conservation		●	●
Educate the industry about the benefits of water-efficient fixtures and technologies		●	
Work with EPA to encourage development and use of new water-efficiency technologies		●	
Endorse WAVE concept	●	●	●

Roster of WAVE Charter Partners

U.S. Environmental Protection Agency (EPA) gratefully acknowledges the following hotels as WAVE's first official Partners. We applaud them for their vision and environmental commitment, and predict that their example will serve to inspire others in the lodging and hospitality industry.

- **Hyatt Corporation**
- **ITT Sheraton**
- **Outrigger Hotels**
- **Saunders Hotel Group**
- **Westin Hotels & Resorts**

Industry Support and Recognition

WAVE has been recognized as being economically and environmentally beneficial by several business and water management organizations, including:

- **American Hotel & Motel Association**
- **American Water Works Association**
- **Business For Social Responsibility**
- **Green Seal**

To learn more about these WAVE members, call (202) 260-7288.

Hyatt Corporation

ITT Sheraton

Outrigger Hotels

Saunders Hotel Group

Westin Hotels & Resorts

American Hotel & Motel Association

American Water Works Association

Green Seal

Partners create and enhance an image of environmental stewardship, which, over time, could lead to increased revenues and higher occupancy rates. WAVE will publicize and support Partners' water-efficiency efforts through: *nationwide public-service advertising, in-room promotional materials, press releases and a nationwide help line.*

Tapping Into Technology: Free Water-Management Software

WAVE Partners also receive WAVE•Saver, a Windows-based software package that enables the survey and tracking of water use with unprecedented ease and accuracy. Developed in conjunction with leading water experts and agencies, the program allows hotel engineers and managers to identify specific water-savings opportunities, and to:

- *calculate the true incremental cost of water and project budgets based on historical rate and occupancy patterns*
- *customize budgeting and expense reports for use in departmental projections*
- *select, customize and print site-specific forms to guide the collection of data*
- *evaluate hundreds of efficiency options using built-in tables and databases*
- *perform "what-if" analyses to determine performance parameters of selected products*

To help explain upgrade procedures and to educate maintenance staff, the program incorporates full-motion video demonstrations, color photos and graphics, and on-line tutorials.

Committed To Your Success

Since WAVE participation is voluntary, EPA's role is one of coach, ally and consultant. To ensure Partners' success, EPA will designate an agency liaison to help coordinate the program and to handle questions. Training seminars and workshops are also provided. These sessions are designed especially for hotel managers and engineers, and feature updates on water-related issues and advances in water-efficiency technology.

Eligibility and Membership

Partner. Any hotel, motel, or other U.S. commercial business with an interest in reducing water consumption and costs is eligible. Partners demonstrate their commitment by signing a Memorandum of Understanding (MOU) in which they agree to survey all facilities and install water-efficient equipment wherever profitable.

Supporter. Any water service company, equipment supplier or manufacturer with the desire to promote and support commercial water efficiency programs may become a Supporter. Government agencies, water and wastewater utilities are also encouraged to participate.

Endorser. Conservation-minded environmental groups, trade and professional associations are invited to review and endorse the WAVE program.

Bright Future For WAVE Partners

With the future cost and availability of water presently unclear, and environmental consumerism on the rise, one thing is certain: Organizations with established efficiency programs will enjoy greater financial and strategic benefits.

So join WAVE today. Learn how to cut costs, build your image, and develop a profitable water-efficiency program for the 21st century.

For complete information on WAVE programs and benefits, call: 1-202-260-7288.

WAVE Program
United States
Environmental Protection Agency
Office of Water (4204)
Washington, DC 20460

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Protection Agency
401 M Street SW (4204)
Washington, DC 20460

The Benefits of WAVE's Voluntary Partnership

- Strategic advantages in a competitive marketplace
- Up to 30% savings in water-related costs
- Free water-management software and technical support
- Real chance to help the environment through resource conservation
- Nationwide showcase for your environmental programs
- Unique opportunity to pioneer hotel water-efficiency

WAVE Program

EPA WAVE

Information:
1-202-260-7288

Technical Support:
1-800-993-WAVE

Water Management for the 21st Century.

REPLY/FAX BACK CARD

YES! I want to take the plunge and significantly reduce my water costs. Please send me more information about WAVE membership.

Name _____ **Title** _____

Official Company Name _____

Address _____

City _____ **State** _____ **Zip** _____

Telephone _____ **Fax** _____

I'm interested in becoming a WAVE: ___ **Partner** ___ **Supporter** ___ **Endorser**

Type of business (check one):

- ☐ **Hotel (# of guest rooms _____)**
- ☐ **Hotel management co. (# of properties____)**
- ☐ **Utility**
- ☐ **Water management co.**
- ☐ **Equipment manufacturer**
- ☐ **Equipment distributor**
- ☐ **Government**
- ☐ **Consulting firm**

Other _____

How did you hear about WAVE? _____

___ **I'd like to receive a Memorandum of Understanding.**

For immediate processing, fax this completed card to the WAVE Program Director at: (202) 260-1827.