

# HYATT REGENCY WASHINGTON

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## GREENING THE HOSPITALITY INDUSTRY

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CONSERVATION AND  
RECYCLING PROGRAMS

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FEBRAURY 4, 2004

# HYATT REGENCY WASHINGTON CONSERVATION AND RECYCLING EFFORTS

- ◆ WATER CONSERVATION

# 850 1.6 G.P.F .TOILETS



# SLOAN PRESSURE TANKS



# 2.5 G. P. M. SHOWER HEADS

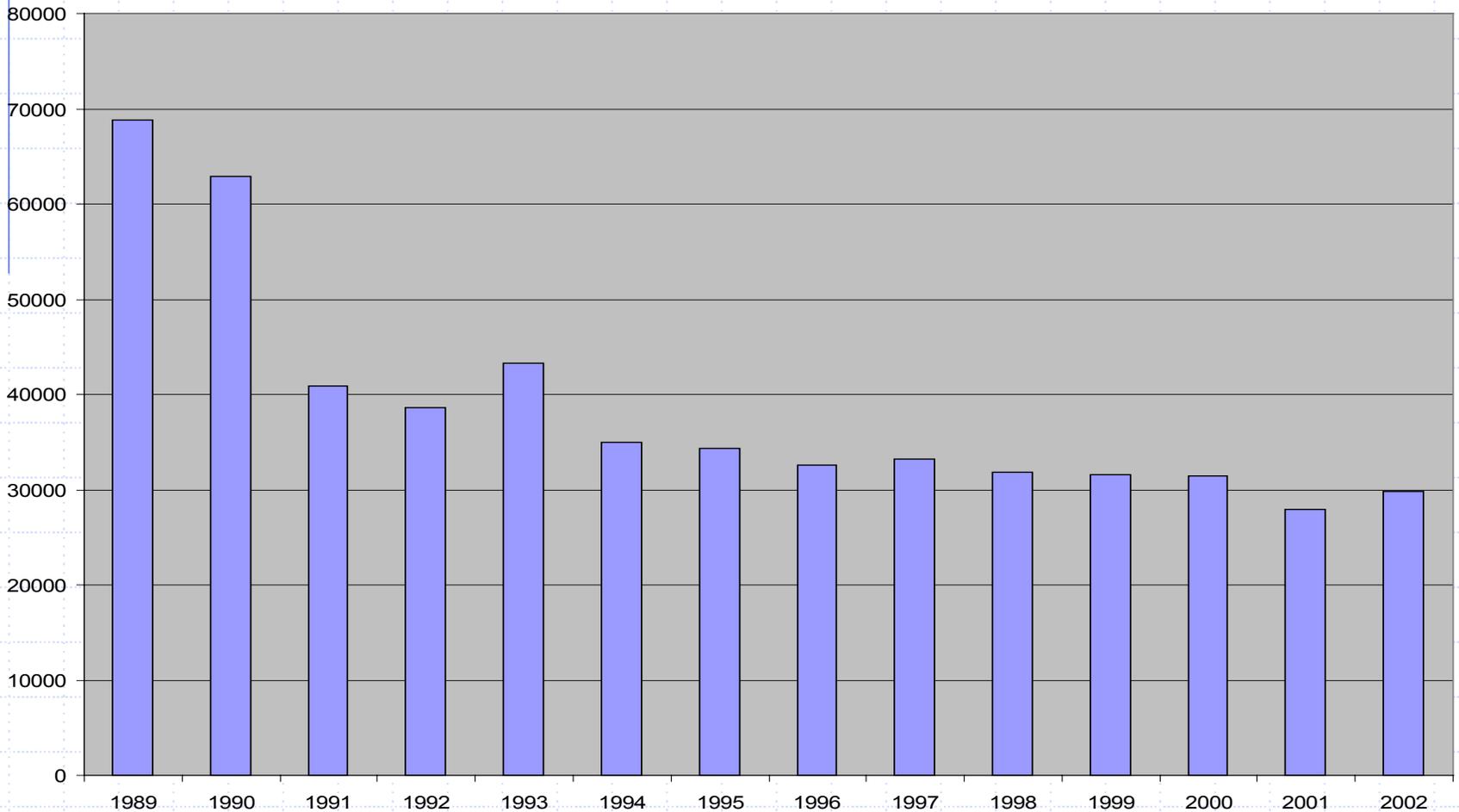


# ADDITIONAL WATER CONSERVATION MEASURES

- ◆ CONNECTED ALL ICE MACHINES TO RECIRCULATING CONDENSER WATER LOOP
- ◆ CONNECTED ALL KITCHEN REFRIGERATION TO RECIRCULATING CONDENSER WATER LOOP

# RESULTS OF WATER CONSERVATION EFFORTS

HYATT REGENCY WASHINGTON WATER USE 1989 - 2002



# HYATT REGENCY WASHINGTON CONSERVATION AND RECYCLING EFFORTS

- ◆ ELECTRICITY CONSERVATION

# COMPACT FLUORESCENT LAMPS



# ELECTRONIC BALLASTS WITH T-8 LAMPS



# VARIABLE FREQUENCY DRIVES



# LED EXIT SIGNS



# MOTION DETECTORS AND TIMERS FOR LIGHTING



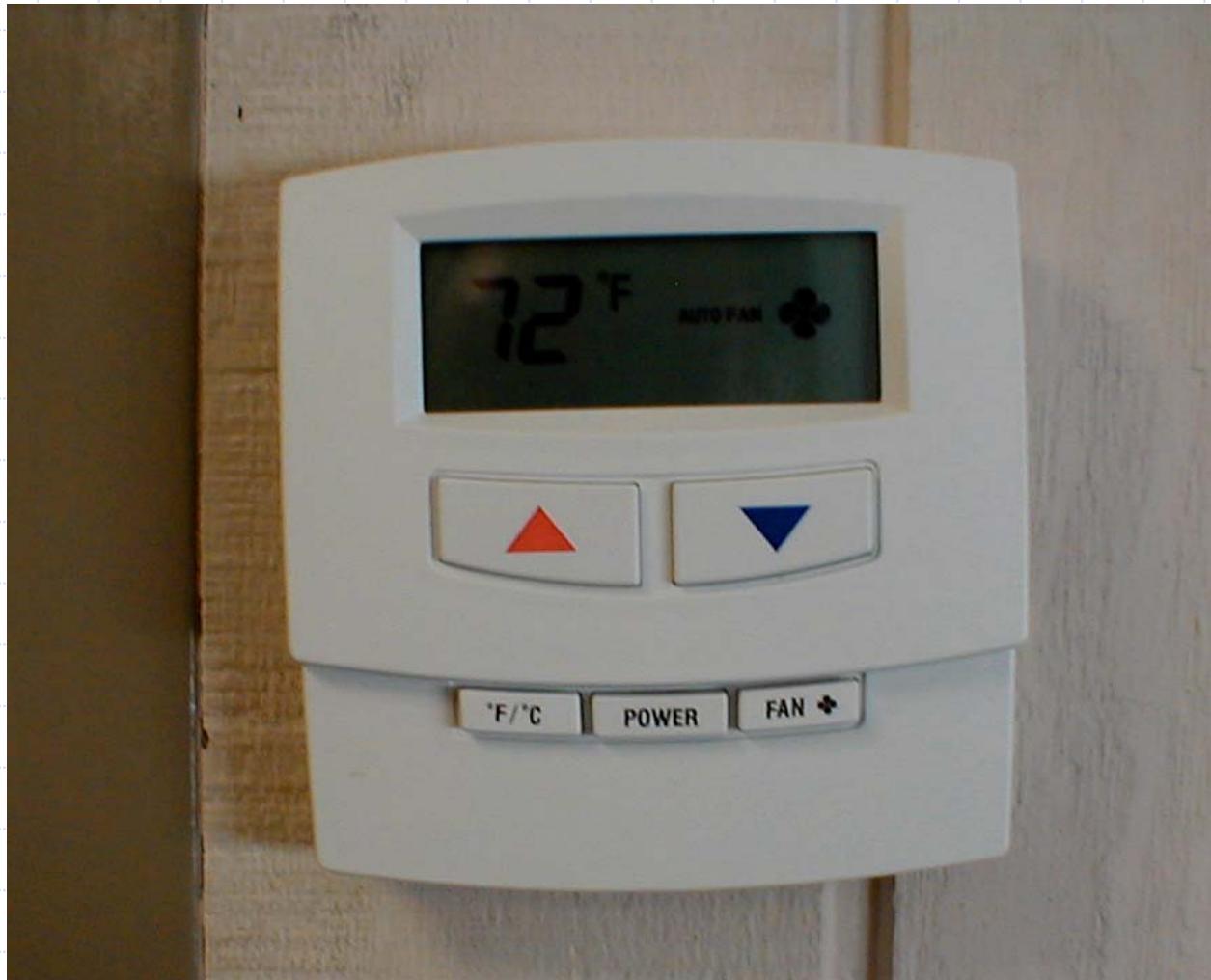
# ENERGY EFFICIENT CHILLERS



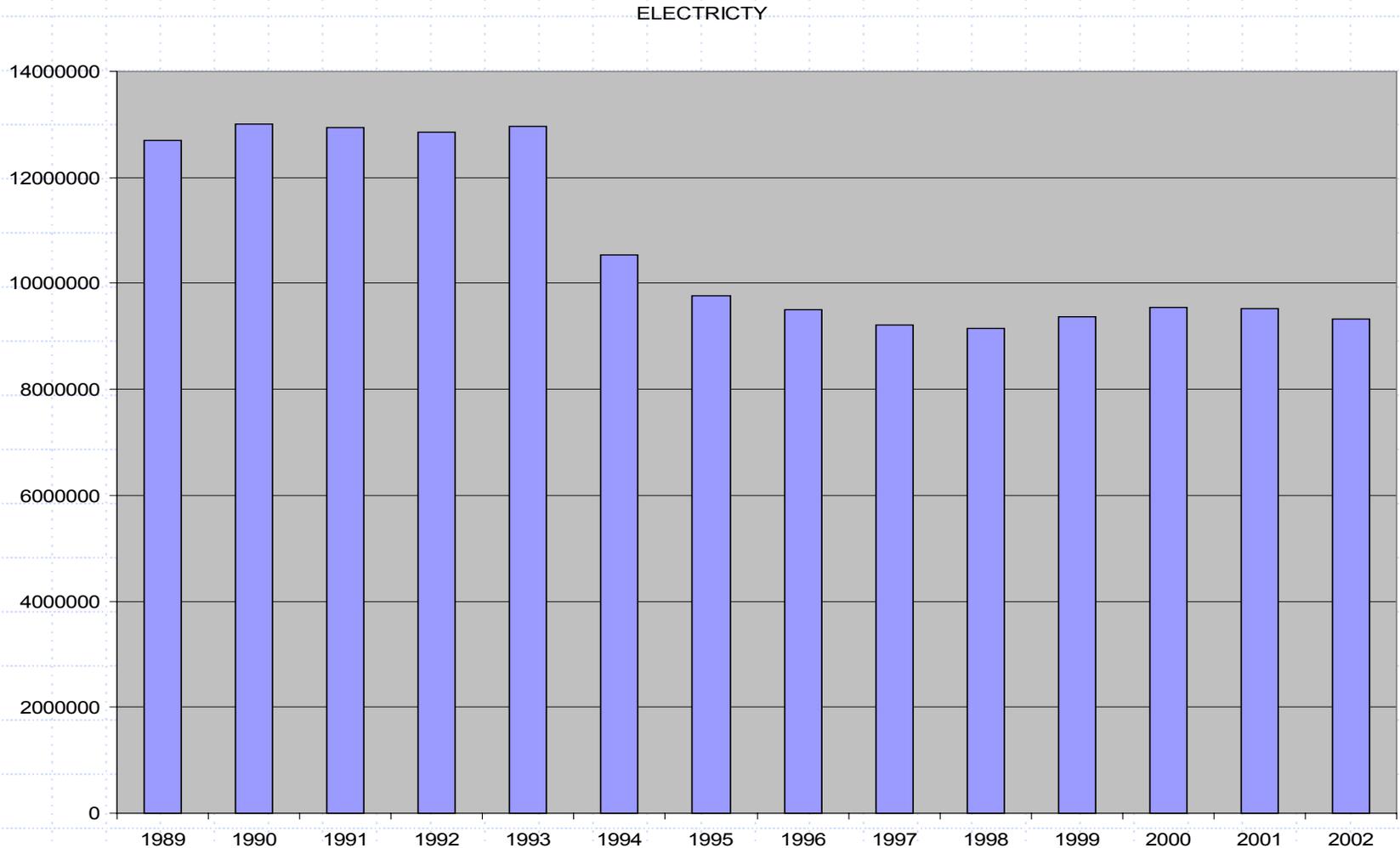
# ENERGY STAR AND HIGH EFFICIENCY EQUIPMENT



# DIGITAL THERMOSTATS



# RESULTS OF ELECTRICITY CONSERVATION EFFORTS



# HYATT REGENCY WASHINGTON CONSERVATION AND RECYCLING EFFORTS

- ◆ WASTE RECYCLING

# SOLID WASTE CARDBOARD



# SOLID WASTE CO-MINGLED PAPER



# HAZARDOUS WASTE FLUORESCENT TUBES



# HAZARDOUS WASTE BATTERIES

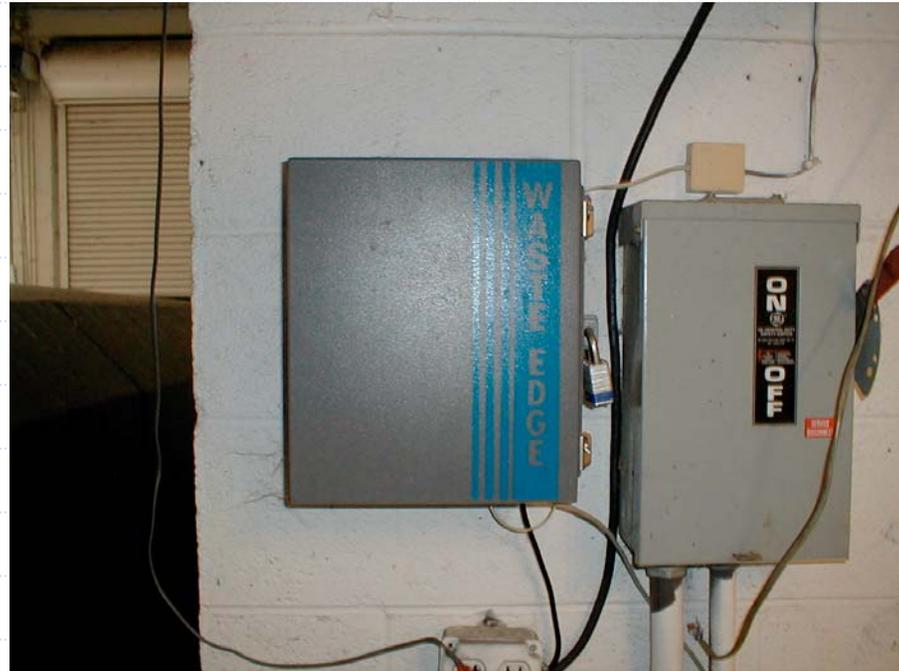


# HAZARDOUS WASTE

- ◆ PAINT THINNER
- ◆ ELECTRONIC PARTS
- ◆ WASTE OIL

# MAXIMIZING WASTE HAULING EFFICIENCY

- ◆ ONE PLUS COMPACTOR MONITOR



# SAVINGS REALIZED DUE TO ONE PLUS MONITOR

- ◆ Cost of trash removal  
1/02-11/02

- ◆ \$86,000

- ◆ Cost of trash removal  
1/03-11/03

- ◆ \$72,000

# WASTE RECYCLING

## HOW MUCH DOES IT HELP?

- ◆ COMPACTOR IS TAKEN TO LANDFILL  
33% LESS OFTEN
- ◆ ANNUAL COST IS DOWN 40%
- ◆ LESS HAZMATS IN THE WASTE  
STREAM

# THE CASE FOR CONSERVATION AND RECYCLING

- ◆ TO BECOME A GOOD CORPORATE  
CITIZEN

# THE CASE FOR CONSERVATION AND RECYCLING

- ◆ TO ATTRACT BUSINESS

# THE CASE FOR CONSERVATION AND RECYCLING

- ◆ TO RECEIVE RECOGNITION FOR YOUR EFFORTS

# HYATT REGENCY WASHINGTON: GREEN SEAL CERTIFIED



## *Environmental Certification*

*Presented to*

## **HYATT REGENCY WASHINGTON**

Green Seal, Inc. certifies that the Hyatt Regency Washington complies with or exceeds Green Seal's Environmental Standard for Lodging Properties (GS-33) and is licensed to use the Green Seal Certification Mark.

Certified this 28th day of October, 2002.

A handwritten signature in blue ink, appearing to read "Mark T. Petruzzi", is written over a horizontal line.

Mark T. Petruzzi, Vice President, Certification

# THE CASE FOR CONSERVATION AND RECYCLING

- ◆ TO SAVE MONEY

# GREEN INITIATIVES

## Energy Conservation

Over 95% of lights are energy efficient

All fluorescent lighting ballasts are energy efficient

Centrifugal chiller cooling equipment is some of the highest efficiency available

Energy efficient variable frequency drives are installed on all motors over 10 horsepower

Replacement motors are all of the high efficiency type

Motion detector light switches are installed in all Hotel administrative offices

All guest rooms are equipped with programmable digital thermostats

All exit signs are energy efficient light emitting diode type

Energy Management computer for optimum starting stopping and setting of temperature control equipment

Annual electrical kilowatt consumption has been reduced from 12.8 M in 1993 to 9.5M in 2001

Overall annual energy use in BTUs per square foot has been reduced from 99K in 1993 to 76K in 2001

# GREEN INITIATIVES

## Water

Water conserving 1.6 gallons per flush toilets were installed in 1991

All guest floor ice machines use recirculated water for heat rejection

All major kitchen refrigeration units use recirculated water for heat rejection

All kitchen and banquet ice machines use recirculated water for heat rejection

All showerheads are 2.5 gallon per minute maximum discharge

All guest room faucet aerators are 1.5 gallon per minute maximum discharge

These measures have resulted in a 60% reduction in annual water consumption since 1989. (69K MGAL vs. 28K MGAL)

# GREEN INITIATIVES

## Recycling

Cardboard and corrugated paper

Office paper

Newsprint

Metal cans

Glass bottles and jars

Plastic bottles and jars

Computer monitors

Electronic parts

Lighting ballasts

Florescent lamps

Batteries

## Hazardous wastes

Paint, paint thinners and waste oils are properly disposed with Safety Kleen

# GREEN INITIATIVES

## Purchasing practices

Hyatt Regency Washington uses recycled copy paper

## Environmental practices

Refrigerant reclamation and recycling

Hotel information is disseminated via E mail instead of paper distribution

All mechanical equipment is covered by a preventive maintenance program to ensure top operating efficiency

Reuse of guest room towels for multiple night stays

Reuse of bed sheets for multiple night stays

Main Chiller Plant is HCFC

## Accreditations

Green Seal – Green Hotel Program 2002

CERES Meeting host 2002

Green Lights Member

PEPCO Energy Competition (En-Comp) Honorable Mention 1995

PEPCO Energy Competition (En-Comp) Participant 1994