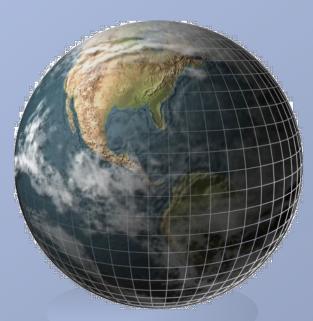
Connecticut Green Hospitality Workshop

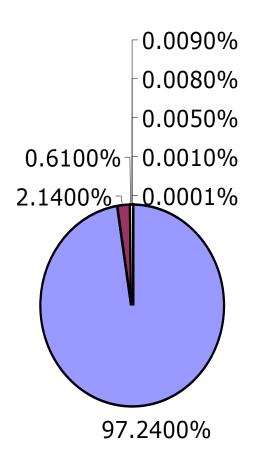


Real Life Examples of Successful Water Savings in Hotels



Conservation Solutions Corporation
Water Efficiency Division

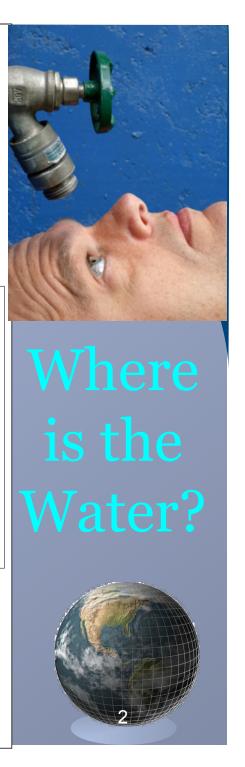
World Water Sources



- Oceans
- Icecaps, Glaciers
- ☐ Ground water
- ☐ Fresh-water lakes
- Inland seas
- Soil moisture
- Atmosphere
- Rivers

"Water promises to be to the 21st century what oil was to the 20th century - The precious commodity that determines the wealth of nations"

Fortune Magazine



Agriculture Uses Lots of Water WORLD GRAIN PRODUCTION HAS TRIPLED FROM 1950 TO 2000



 It Takes 1000 Tons of water to grow a ton of wheat (250,000 gallons)



 1200 tons of water to grow a ton of rice (300,000 gallons)



 When Countries Import Food They Also Import Significant Water Supplies

"When the well's dry, we know the price of water" *Benjamin Franklin*



Water Water Everywhere but Less and Less to Drink

Groundwater as a Share of Drinking Water Use, by Region

Share of Drinking

Water from Groundwater People Served Region

(percent) (Millions)

Asia-Pacific 32% 1,000 to 1,200

Europe 75% 200 to 500 Latin

America 29% 150

United States 51% 135

Australia 15%

Africa not available not available

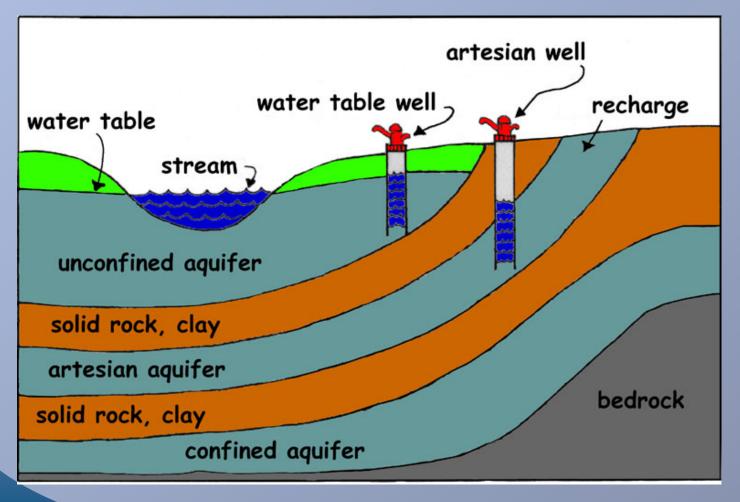
World 1,500 to 2,000

Source: World Watch Institute

"If the wars of the last century were fought over oil, the wars of the next century we will fought over water" World Bank VP Ismail Serageldin

Aquifers - Groundwater Resource

"Whiskey is for drinking, water is for fighting" *Mark Twain*





Some Notes on Agriculture

- What is artesian water?

 Impermeable Rock

 Artesian Aquifer
- Surface aquifers can be recharged naturally
- Fossil aquifers can not be recharged naturally
- What happens when the fossil aquifers are depleted in countries with large and growing populations?

From mid-2006 to mid-2008, world grain prices of wheat, rice, corn and soybeans roughly tripled, reaching historic highs. It wasn't until the global economic crisis Beginning in 2008 that grain prices receded somewhat.

Lester Brown – Plan B 4.0 Mobilizing to Save Civilization



Selected Examples of Aquifer Depletion

Country	Region	Description of Depletion
China	North China Plain	Water table falling by 2–3 meters per year under much of the Plain. As pumping costs rise, farmers are abandoning irrigation.
United States	Southern Great Plains	Irrigation is heavily dependent on water from Ogallala aquifer, largely a fossil aquifer. Irrigated area in Texas, Oklahoma, and Kansas is shrinking as aquifer is depleted.
India	Punjab, Haryana, Rajasthan, Andhra Pradesh, Maharashtra, Tamil Nadu, and other states	Water tables falling by 1–3 meters per year in some parts. In some states extraction is double the recharge. In the Punjab, India's breadbasket water table falling by nearly 1 meter per year.
Mexico	State of Guanajuato	In this agricultural state, the water table is falling by 1.8–3.3 meters per year.
Pakistan Punjab in the provinces of Baluchistan and		Water table is falling under the Punjab and in the provinces of Baluchistan and North West Frontier.
Iran	Chenaran Plain, northeastern Iran	Water table was falling by 2.8 meters per year but in 2001 drought and drilling of new wells to supply nearby city of Mashad dropped it by 8 meters.

India & China represent about 38% of world population

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Water Efficiency Division

Water Conservation Opportunities

 What do we mean by Water Conservation?

The replacement of inefficient water consuming fixtures with more efficient replacements or retrofits that generate financial savings or reduced operating costs from water, sewer, energy and chemical reductions





Water Conservation Opportunities

- Why Water Conservation Makes a Difference.
- a.) Capital Improvement with a relatively short payback.
- b.) Immediate reduction in Operating Expenses.
- c.) Often has significant impact on energy costs.
- d.) With Water & Sewer Rates constantly increasing, everyone needs help!!



Water Conservation Opportunities

- a. Typical Savings 30% 50% range
- b. Investment Grade Audits
- c. Competitive Pricing
- d. Turnkey approach.
- e. Customized, Engineered Solutions

Water Rates

- Are you paying the right Rate?
- Are you paying for sewer costs that are not used?
- How old is your water meter? Is your meter accurate?



Keeping Water Use in Perspective What does it cost?

	<u>Water</u>	<u>Sewer</u>	Combined
Selected National Water	/Sewer Costs p	er HCF	
New Haven, CT	<i>\$3.710</i>	<i>\$2.460</i>	<i>\$6.17</i>
Providence, RI	\$1.134	\$2.569	\$3.70
Boston	\$4.719	\$5.91	\$10.63
Philadelphia, PA	\$1.53	\$1.051	\$2.58
Jacksonville, FL	\$4.96	\$5.19	\$10.15
Los Angeles, CA	\$5.42	\$3.297	\$8.717
New York, NY	\$2.61	\$4.15	\$6.76
Indianapolis, IN	\$0.907	\$2.766	\$3.67
San Francisco, CA	\$3.48	\$8.35	\$11.83
Seattle, WA	\$10.62	\$8.89	\$19.51

Water rates are increasing annually in most locations!

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Water Efficiency Division

Keeping Water Use in Perspective What does it cost?

Bottled Water at \$1.35 per gallon

\$121,000 per HCF

HCF = 120 Hundred Cubic feet or about 90,000 gallons

Are Municipalities Charging Enough for Water to Motivate Investments in Water Efficiency?

"It struck me...

all you had to do is take the water out of the ground and then sell it for more than the price of wine, milk or for that mater, oil"

Past Chairman of Perrier



Keeping Water Use in Perspective What does it cost?

And What about the Plastic - Pollution Waste, Associated Costs and Health Risks.....

"Where else can you find a business that is totally international where the price and volumes, unlike steel rarely go down"

Suez CEO Gerard Mestrallet

Metering

How is Water used

- Meter water use to know where water is used
- Monitor and chart performance
- Target high water use areas for efficiency
- Check for leaks when readings are excessive
- Get credit for water not going to the sewer COOLING TOWER(s) (1.) evaporation,
 (2.) Clean blow-down water, IRRIGATION

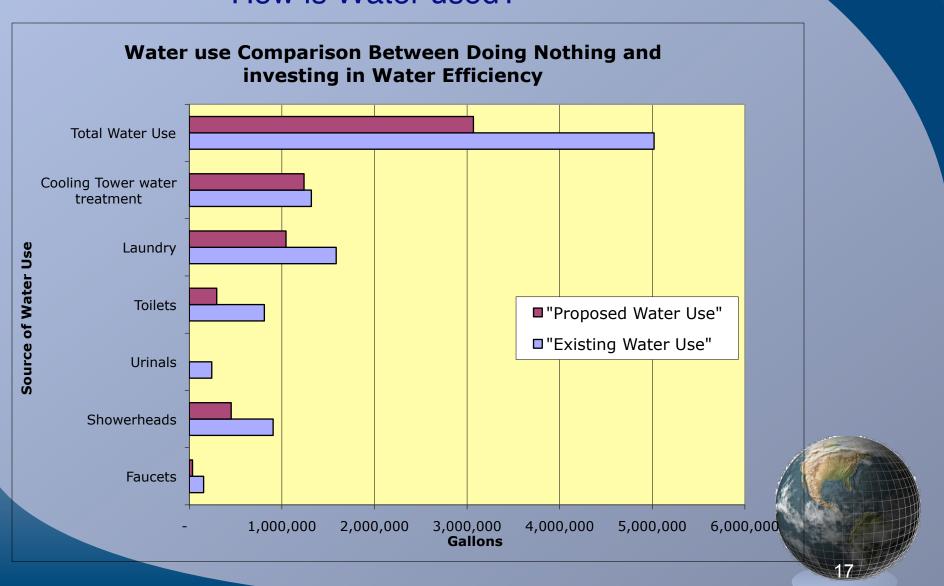


Usage and Billing Data

- Graph Usage
- Water/sewer usage(\$, \$/ccf or 1,000 gallons)
- Energy used for heating hot water (\$, \$/therm, kW, \$, average \$/kWh)

Metering / Benchmarking

How is Water used?



The Program Domestic Water Savings - The Basics

- Investment Grade Audits
- Benchmarking
- Faucet Retrofit or Replacement
- Shower Replacement
- Urinal Upgrades
- Water Closet Replacement (ADA Upgrades)
- Laundry Re-Use Systems / Ozone
- Swimming Pools
- Irrigation System Upgrades
- Evaporative Coolers
- Once Through Cooling
- Water Awareness Programs

- Leak Detection
- Cooling Towers
- Steam Systems
- Sub-metering

Faucets Aerators



- 1/2 gallon per minute
- Replace existing 2.2 gallon per minute aerators
- 200 unit Hotel
- Annual energy savings: \$1,339/yr
- Annual Water/Sewer Savings: \$ 985/yr
- Simple Payback: 1.01 years
- Return on Investment (ROI)
 99.3%
- Life Cycle Cost Savings (10 Years): \$20,897

Showers

Customer acceptable models
.25 GPM



- Replace 2.5 gallon per minute showerheads with
 1.25 Gallons per minute showerheads
- 200 unit Hotel
- 60% daily shower use
- Annual energy savings: \$4,810
- Annual Water/Sewer Savings: \$3,725/yr
- Simple Payback: 1.15 years
- Return on Investment (ROI): 87.1%
- Life Cycle Cost Savings (10 Years): \$75,554

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Toilets / Water Closets

- Convert 3.5 gallon per flush
- (GPF) to 1.28 GPF
- 200 Unit Hotel
- Water/Sewer Savings:
- Simple Payback:
- Return on Investment (ROI):
- Life Cycle Cost Savings (10 Years):

TOTO

Eco Drake® Close Coupled Toilet, 1.28 GP

designed trapway III Large water surface











Augusta Commercial Line

\$4,231/yr

8.6 yrs

11.7 %

\$6,009

Options for Urinals ZeroFlush Urinals

- Technology Evolution
- Earlier Designs used CARTRIDGES which held urine sealant and sediment
- New Design uses a TRAP SYSTEM with much large capacity.
- LARGER TRAP Means more uses & less maintenance! (Averages 15,000+ instead of just 3,000 7,000)
- Saves equivalent of 3 swimming pools of water per year



Options for Urinals ZeroFlush Urinals

 Replace 1.5 gallon per flush (GPF) with ZeroFlush Urinal (5 Urinals)

Urinal Annual Water Savings: \$1,998

Simple Payback: 2.4 years

Return on Investment (ROI): 42.1 %

Life Cycle Cost Savings (10 year): \$13,126





Options for Urinals ENZYMES

- Shut-Off Water Supply to 1.5 GPF Urinal
- and install Water Saving Urinal Pads (5 urinals)
- Urinal Annual Water Savings: \$ 1,998
- Simple Payback: 0.4 years
- Return on Investment (ROI): 266.3%
- Life Cycle Cost Savings (10 year): \$12,476





Options for Urinals 1/2 Gallon Per Flush Urinals

Replace 1.5 gallon per flush with 1/2 GPF flush valves

Urinal Annual Water Savings: \$ 1,373

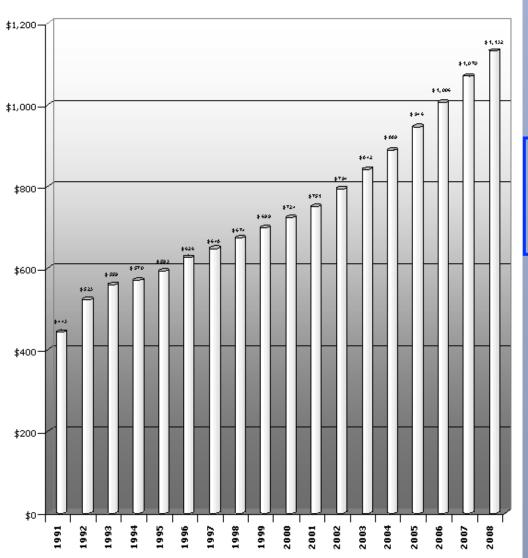
Simple Payback: 1.1 years

Return on Investment (ROI): 94.7 %

Life Cycle Cost Savings (10 year): \$13,733



Combined Annual Water & Sewer Charges in MWRA Communities 1991 - 2008



Life Cycle Cost!!!!!

Boston Area Water and Sewer Rates have Gone up 260.1% since 1991 or about 14.45%/yr.

How much will rates go up over the next 18 years?

What about energy prices?

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Water Efficiency Division

Leaks - Fix Em

Wate	er Savings	s - Repair	Leaks	Wat	Water Loses Due to Leaks			
# of Drips/ Minute	Daily Water Loss Gallons	Montly Water Loss Gallons	Annual Water Loss Gallons	Seco to 8 oz	Fill	Daily Water Loss Gallons	Monthly Water Loss Gallons	Yearly Water Loss Gallons
1	0.1	4.3	52.7	1		5,400.0	162,000	1,971,00
2	0.3	8.7	105.3	2	2	2,700.0	81,000	985,50
3	0.4	13.0	157.9	3	3	1,800.0	54,000	657,00
4	0.6	17.3	210.4	4	1	1,350.0	40,500	492,75
5	0.7	21.6	263.0	5	5	1,080.0	32,400	394,20
6	0.9	25.9	315.5	6	5	900.0	27,000	328,50
7	1.0	30.3	368.1	7	7	771.4	23,143	281,57
8	1.2	34.6	420.7	8	3	675.0	20,250	246,37
9	1.3	38.9	473.2	g)	600.0	18,000	219,00
10	1.4	43.2	525.8	1	0	540.0	16,200	197,10
11	1.6	47.5	578.3	1	1	490.9	14,727	179,18
12	1.7	51.9	630.9	1.	2	450.0	13,500	164,25
13	1.9	56.2	683.5	1	3	415.4	12,462	151,61
14	2.0	60.5	736.0	1.	4	385.7	11,571	140,78
15	2.2	64.8	788.6	1	5	360.0	10,800	131,40
16	2.3	69.1	841.1	1	6	337.5	10,125	123,18
17	2.4	73.5	893.7	1	7	317.6	9,529	115,94
18	2.6	77.8	946.3	1	8	300.0	9,000	109,50
19	2.7	82.1	998.8	1	9	284.2	8,526	103,73
20	2.9	86.4	1,051.4	2	0	270.0	8,100	98,55
21	3.0	90.7	1,103.9	2	1	257.1	7,714	93,85
22	3.2	95.1	1,156.5	2	2	245.5	7,364	89,59
23	3.3	99.4	1,209.1	2	3	234.8	7,043	85,69
24	3.5	103.7	1,261.6	2	4	225.0	6,750	82,12
25	3.6	108.0	1,314.2	2	5	216.0	6,480	78,84
26	3.7	112.3	1,366.7	2	6	207.7	6,231	75,80
27	3.9	116.7	1,419.3	2	7	200.0	6,000	73,00
28	4.0	121.0	1,471.9	2	8	192.9	5,786	70,39
29	4.2	125.3	1,524.4	2	9	186.2	5,586	67,96
30	4.3	129.6	1,577.0	3	0	180.0	5,400	65,70



Kitchen

- Pan Washer
- Dishwashers Equipment
- Always wash dishes with full load
- Wash vegetables in Tub not under running water
- Don't thaw food under running water thaw in walk-in refrigerator - refrigerator works less and saves energy
- Lots more habit changes that can save water and energy



bubble/solar cover

Estimated Swimming Pool Gas Heating Costs and Savings

vinyl cover

insulated vinyl cover

Types of pool covers

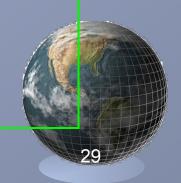
 Pool Covers - reduce water loss from evaporation & saves energy

Cost of Outdoor Pool Gas Heating by Location

		Temperature					
Location	Season	78°		80°		82°	
Boston							
No Cover	5/1 - 8/31	\$	1,712	\$	2,096	\$	2,504
With Cover	5/1 - 8/31	\$	232	\$	328	\$	461

The table above estimates annual costs by location, by water temperature, and with or without a pool cover

U. S. Department of Energy - Energy Efficiency and Renewable Energy A Consumers Guide to Energy Efficiency and Renewable Energy Here you will find infomration to help estimate gas heating costs for an outdoor swimming pool and/or savings if you replace a gas pool heater with one that's more efficient





162 Great Road, Acton, MA 01720

Tel. 978-266-1900 FAX 978-266-1976 www.ConservationSolutions.com

LAUNDRY OZONE BENEFITS

OzoneSolumons

- 25 to 50% reduction in total water usage
- 90 to 98% reduction in hot-water usage
- Reduced linen replacement budget
- Reduction in man-hours
- Ozone reduces maintenance, protects equipment
- · Linens are whiter, softer and smell better
- Reduction in dryer time, temperature, and lint
- · Ozone destroys bacteria and inactivates viruses and cysts
- More effective against microorganisms (200~3000 times)
- Strongest oxidizer next to elemental Fluorine
- Ozone enhances chemical reaction in the wash wheel for superior cleaning
- · Conserves natural gas and water.
- · Improved working environment in the laundry room





Laundry Ozone Systems

- Omni Hotels
- Langdam Hotel and many more



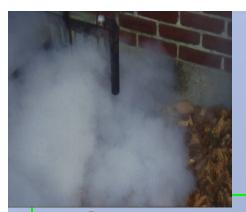
Laundry Ozone Systems

- 90% reduction in hot water costs
- 25% 30% reduction in water & sewer costs
- Reduced chemical use

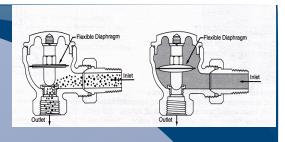
 Project Cost: 	\$39,930
-----------------------------------	----------

- Annual Savings: \$49,790
- Simple Payback: 0.78 years
- Return on Investment (ROI): 127.9 %
- Life Cycle Cost Savings (10 year): \$412,976





Water Loss in Steam Systems



Steam Trap Repair & Trap Selection

(life time warranty)

- Quenching condensate
- Leak Repair
- Control Valves
- Repair Receivers
- Piping



Conservation Solutions Corporation
Water Efficiency Division





Heating Water Efficiently

- INSULATE HOT WATER PIPES!
- Pre-heat domestic hot water
- Heat Recovery from Refrigeration / Cooling Systems
- Solar Water Heating (MTC & Utility \$)
- Cogeneration



Conservation Solutions Corporation Water Efficiency Division

Recognize This?



Conservation Solutions Corporation

Water Efficiency Division

Consider this:

500 Ton cooling tower operating at 50% capacity 210 days / year

2,500,000 gallons as vapor

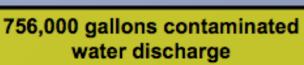
Make-up water

3,250,000 gallons

1500 pounds Chlorine

81 gallons Biocide

1500 lbs. sediment









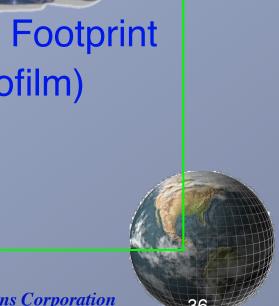




CHEMICAL-FREE Water Treatment

Cooling Towers, Chillers, Heat Exchangers

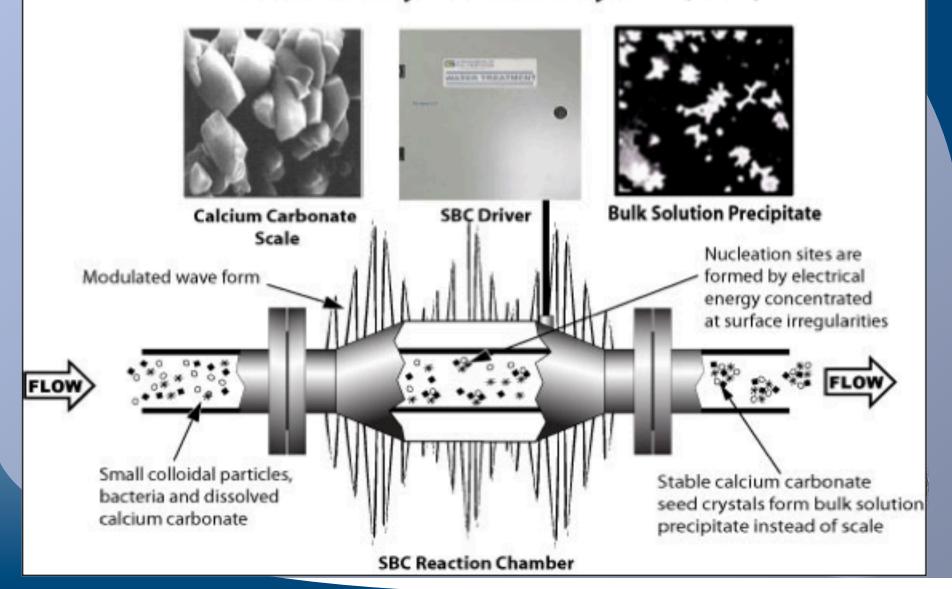
- Cooling Towers, Chillers, Heat Exchangers
- Eliminate Chemical Use & Costs
- Save Water
- Significantly Reduce Environmental Footprint
- Save Energy (eliminate scale & biofilm)
- Guaranteed bacteria control
- Re-use Blow-Down Water
- LEED Points

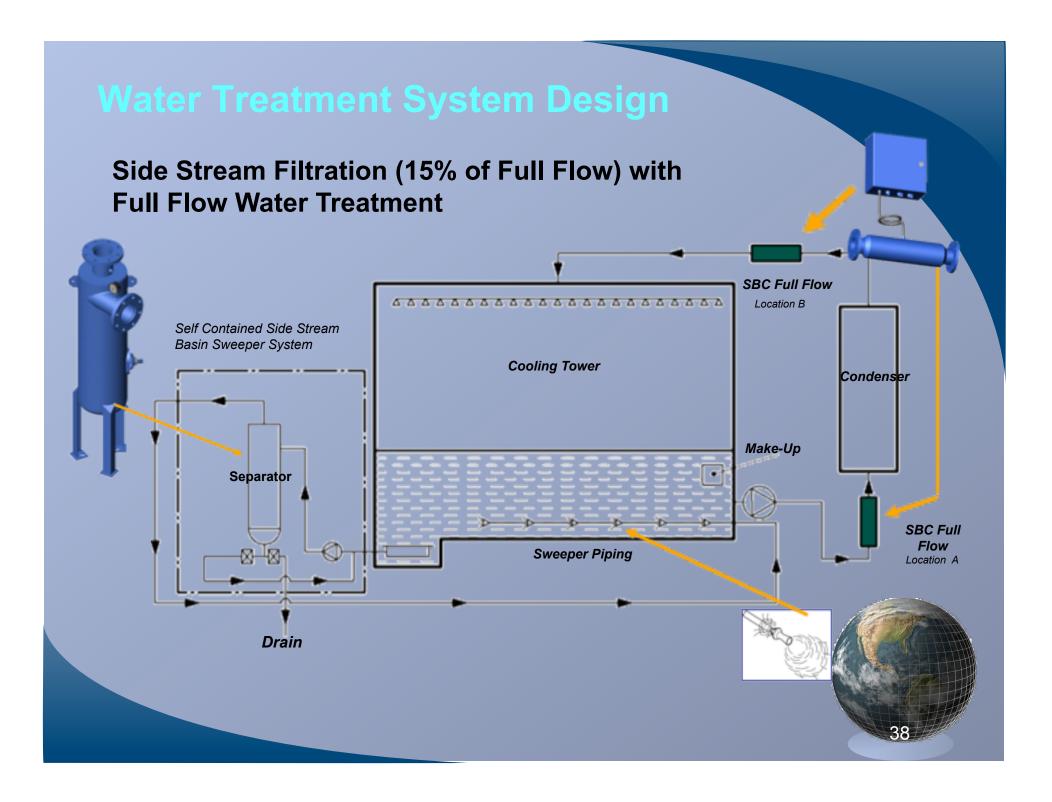


How Does It Work?



"Electronically Induced Catalysis"™ (EIC™)







CASE STUDY

Water Treatment: Cooling Towers

THE PROBLEM:

The Museum of Science Boston was upgrading part of their system by installing a new cooling tower and new chiller and wanted to have more consistent control of the biological activity, corrosion and scale on all their cooling systems. The Museum was also interested in "Green Building" design and reducing hazardous chemical as well as being a "good neighbor".



Museum of Science, BostonBoston, MA

THE SOLUTION:

Three (3) Griswold SBC Chemical-Free Electronic Resonance Water Treatment Systems were installed on the new and existing Cooling Towers and Chillers at the Museum of Science Boston. The biological counts are expected to be consistently less than 10,000 CFU/ml as guaranteed, corrosion is controlled and the water in the cooling tower is crystal clear all accomplished without chemicals except for passivation of the new cooling tower. No calcite scale is expected to form in the condenser loop, which will optimize energy efficiency in the cooling system. There is less water used because blow-down of the cooling tower occurs less frequently since the cooling system operates at a higher conductivity level than if the cooling tower was chemically treated.

The Museum of Science staff members are pleased with the significant reduction in chemical use and are particularly pleased about not having to handle hazardous chemicals and lug them up to the penthouse mechanical rooms.

THE RESULTS

- 1. Eliminated Use & Cost of Hazardous Chemicals
- 2. Reduced Annual Water Usage
- 3. Reduced Energy Costs
- 4. Improved Environment
- 5. Reduced Total Operating Cost of Cooling System

162 Great Road, Acton, Massachusetts 01720 Phone: 978.266.1900 Fax: 978.266.1976 e-mail: dcook@conservationsolutions.com www.conservationsolutions.com

Griswold SBC10000

Reaction Chamber & Control Panel



 Museum of Science in Boston

Going Green



with the Gri	swold SBC Water Griswold SBC \$2,223 \$1,474 \$83 \$1,050	\$392 \$260 \$32 \$700
\$2,616 \$1,734 \$115 \$1,750	\$2,223 \$1,474 \$83	\$392 \$260 \$32 \$700
\$2,616 \$1,734 \$115 \$1,750	\$2,223 \$1,474 \$83	\$392 \$260 \$32 \$700
\$1,734 \$115 \$1,750	\$1,474 \$83	\$260 \$32 \$700
\$115 \$1,750	\$83	\$32 \$700
\$1,750		\$700
	\$1,050	
\$2,700		
		\$2,700
74,164	\$70,456	\$3,708
\$83,080	\$75,286	\$7,793
\$7,793		
\$22,290		
2.86		
35.0%		
	\$7,793 \$22,290 2.86 35.0% O years)	\$7,793 \$22,290 2.86 35.0%

Energy, Water, Sewer and Chemical Savings from Griswold Water **Systems SBC Chemical-Free Water Treatment System**

Pollution Reduction

from Installation of a Chemical-Free Water Treatment System In a Hotel

Cooling Tower Size: 300 Tons

Evaporation: 1,206,252 gallons per yr. (GPY)

Blow-down:

Chemical Treatment: 402,082 GPY

Griswold SBC: 201,042 GPY

Savings: 201,042 GPY

Chlorine Reduction: 473 lbs/yr

Isothiazoline Reduction: 3.25 GPY



Cooling Towers are a Significant Pollution Reduction Opportunity

Did you Know?

Approximately 3,200 gallons of chlorine and bromine are released into the atmosphere for every 2500 tons of cooling and approximately 4.3 million gallons of chemical laden blow-down water is dumped into our local water treatment plants

Be a Good Neighbor

How many cooling towers are in your neighborhood?



Irrigation

- Use satellite based irrigation systems to prevent over watering save as much as 50%
- Don't water when it is raining
- Use secondary water sources
- Cooling Tower Blow-down
- Rain water recovery systems
- Greywater systems

Rain Water Recovery Systems

- Collection Systems
- Add other Sources of Water
- Clean Cooling tower blow-down water
- Condensate from air handlers
- RO Re-Gen





Water Re-Use Applications Irrigation Water Sources Decorative Fountains • Griswold SBC Chemical-Free Cooling Tower Blow-down Rainwater Fire Retention Ponds • Air Handler Condenser Water Toilets/Urinals RO Re-gen Cooling Green Roofs Filtration Groundwater System Recharge Griswold SBC Control System Panel 30,000 Gallons Griswold SBC System Controls Bacteria Pump & Scale **System Design**



CASE STUDY

Water
Treatment:
Cooling Towers

Rainwater Recovery for cooling tower make-up water

THE PROBLEMS

Pandora Mills is a 144,000 square-foot mill renovation project by the Merrimack River in Manchester New Hampshire. The owner wanted to make their building "green". Part of this initiative includes reducing energy and water use as well as eliminating or reducing chemical use. The goal is to also reduce operating costs.



Pandora Mills Manchester, NH

THE SOLUTIONS

A rainwater recovery system was install to provide make-up water to the cooling tower instead of using drinking water. The *Griswold SBC Chemical-Free Water Treatment Systems* was installed on the rainwater recovery system to control bacteria and biofilm. Another *Griswold SBC Chemical-Free Water Treatment Systems* was installed on the new cooling system. This system completely eliminates chemical use for the water treatment system at Pandora Mills and significantly reduces water use by the cooling system. The biological counts are less than 5,000 CFU/ml, corrosion is controlled and the water in the cooling tower is crystal clear all accomplished without any chemicals. Pandora Mills has invested in a "greener" building with tremendous financial gains that come with this including reduction in water use, increased energy efficiency due to less fouling while at the same time receiving a guaranteed biological control in the cooling towers.

THE GREEN RESULTS

Eliminated Use & Cost of Hazardous Chemicals Significantly Reduced make-up Water Requirement Reduced Energy Costs Improved Working Environment for Staff by Eliminating the Need to Handle Chemicals

162 Great Road, Acton, Massachusetts 01720 Phone: 978.266.1900 Fax: 978.266.1976

E-Mail: dcook@conservationsolutions.com www.conservationsolutions.com

Rainwater Recovery Tanks

Rainwater used for the Cooling Tower make-up water saves fresh drinking water. No chemicals in the cooling system of this "Green" **Building reduces** pollution so the building is a better neighbor

Water Awareness

- Understand your water usage
- Establish an Water & Energy Awareness
 Program shows management commitment
- Look for changes They're out there
- Keep up on maintenance
- Set Goals Reduce average gallons of water payback projects usage by ___X__% (compared to last year)
- Use Internal newsletter to highlight progress towards water and energy reduction goals

Water Conservation Opportunities

- Sample Hotel Project
- Products Installed:

 Toilets (1.28 GPF), faucet aerators, Zero Flush Urinals,

Showerheads (1.5 GPM), Ozone, Cooling Water Treatment

- Gallons Saved per year: 1,950,767
- Project Cost: \$104,217
- Annual Water and Energy Savings: \$68,460
- Simple Payback: 1.52 years
- Return on Investment (ROI): 65.7%
- Life Cycle Cost Savings (10 years): \$684,605

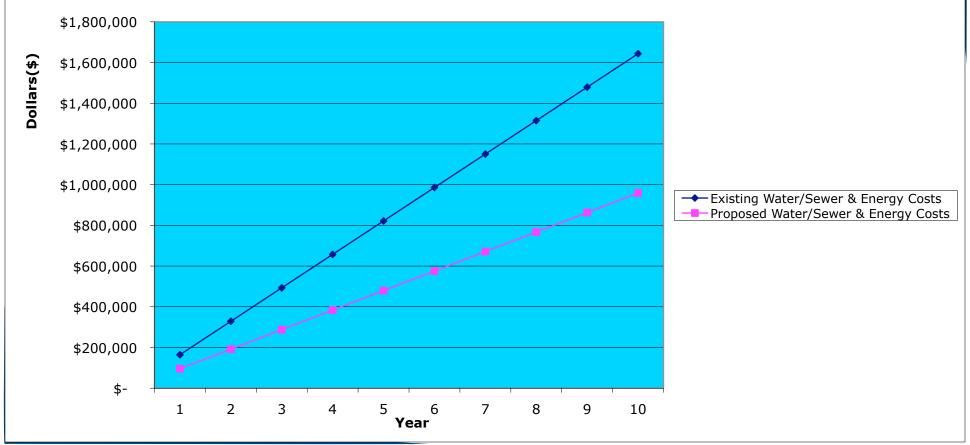
(Assumes Average 0% increase in energy water & sewer costs per year)

Ten Year Life Cycle Cost Savings

Assumes 0% Increase in Energy & Water/Sewer Costs per Year

\$684,605 Savings

10 Year Life Cycle Cost Comparison Between Doing Nothing and Investing in Energy and Water Efficiency

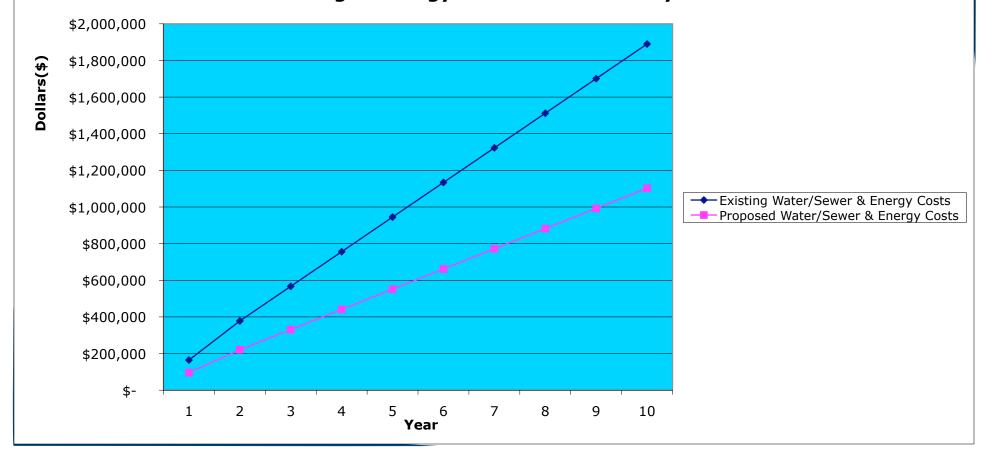


Ten Year Life Cycle Cost Savings

Assumes Annual 15% Increase in Energy & Water/Sewer Costs

\$787,296 Savings

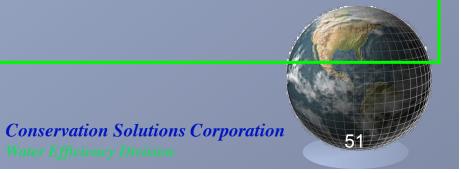
10 Year Life Cycle Cost Comparison Between Doing Nothing and Investing in Energy and Water Efficiency



The Positive Effects of Water

- According to a University of Washington study, 75% of Americans are chronically dehydrated.
- For 37% of Americans, the thirst mechanism is so weak that it is often mistaken for hunger. MILD dehydration will slow down one's metabolism as much as 3%.
- One glass of water shuts down midnight hunger pangs for almost 100% of the dieters studied.
- The lack of water is the number one trigger for daytime fatigue.
- Preliminary research indicates that 8-10 glasses of water per day could significantly ease back and joint pain for up to 80% of sufferers.
- A mere 2% drop in body water can trigger fuzzy short-term memory, trouble with basic math, and difficulty focusing on the computer screen or on a printed page.

• Source: University of Washington - 2007



Why Water Conservation Makes a Difference The Big Picture

- We can't live without it
- Protects Drinking Water
- Ensure Habitats for Animals, Plants and Ecosystems are Maintained
- Reduce pollution: less water means less hot water heating (less energy used means less fossil fuels burned and fewer green house gases)
- We drink it, are mesmerized by it, play in it and entranced by its forms
- Obliged to meet the water needs of our kids, grandkids and future generations.

Thank You For Your Time



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