



# Positively Influencing Tomorrow.

Sustainability is simply good business. Since Hilton Worldwide brands touch thousands of communities and millions of people every day, it's important for us to lead our industry with sustainable practices that deliver great guest experiences and protect the world we live in.



**Hilton**

CONCORD

## Implemented:

- LED Lighting (guest rooms, public corridors, meeting spaces, ballroom, lobby, administration offices, executive club lounge, business center, elevators, elevator lobbies, hospitality suites, pool area, public restrooms, Atrium - 80 % LED; the balance T8 low wattage 25W high efficiency (significant energy reduction)
- Low -Flow Toilets - water conservation 900,000 gallons/year
- Energy Management System for Guest Rooms and Public spaces - energy reduction (waiting PG&E Acceptance letter) - Pelican Wireless Systems
- Low Flow Shower Heads 2.5gpm with built in aerators in shower head and sink faucets (water savings)
- Ozone Laundry System gas/electric/water savings - Aquawing Laundry Ozone Systems
- Hi Tech Electrolux Laundry System (gas/electrical water reductions) connected with Ozone System (waiting PG&E acceptance letter) 350 G-Force extraction
- PillowVac System reducing land fill & CO2 generation. Enhanced guest experience.
- BioHiTech Organic Waste Decomposing. 6.5 tons of food waste per month now converted to water and sent to filtration plant for reuse. Reduced haul outs from 2-3/month to 1 every 19-20 days (reducing CO2, land fill and cost)
- Extensive recycling program throughout with collection bins on every elevator lobby, main lobby and meeting space, public pre-function areas & employee spaces
- Eco-Friendly Water Bottle Program (Hilton brand requirement)
- Natura Water System installed in banquet and restaurant phasing out bottled water in all non brand requirement areas (eliminate plastic bottles)
- Low Temperature Dish Washing System (energy reduction gas/electric/water) - Aqua Clean Systems
- Dyson Air Hand Drying System in Public Restrooms. (Paper reduction)
- Window Film applied to all guest rooms, Plate and Vine, Atrium, fitness center and Executive offices (west facing window walls) Phase 2 Significant temperature reductions and lowered thermostat settings - Window Innovations
- Motion Sensors installed in 32 locations (energy reduction) - Leviton
- Recycled Paper Content used in operations administration, housekeeping and kitchen
- Paperless Guest Check in System
- Energy Saving copy machines with energy saving/stand by features/ sleep modes (energy savings)
- Drip Irrigation in around pool deck, plate and vine and other Shrubbery Zones (water reduction/savings)
- Irrigation for landscape zones provided by hotels own on site well water
- Replaced HVAC Roof top units with Advanced Technology including Economizer Component (energy savings and greater efficiency)
- Refrigeration Doors & seals plus door curtains replacement (energy savings)
- Lighting Dimming Systems in all public, ballroom & meeting spaces, restaurant - Lutron - (Energy Efficiency & Savings)
- Retrofit newly remodeled restaurant to LED Lighting (energy savings)
- Retrofit Porte Cochere to LED Lighting
- Retrofit Sodium Vapor to LED Parking Lot Area
- Retrofit Building perimeter lighting to LED
- Added Window Film Applications – East\West Tower exposures (energy reduction)
- Air-Handling Vent and Hoods System - Energy Reduction & Efficiency

-Electric Vehicle Car Charging Station to accommodate 8 vehicles with 2 fast charge DC terminals Motor change outs (variable drive) in refrigeration units. (Energy savings)

-Electric Car EV Charging Station (CO2 reduction, energy efficiency, guest/community services)

- Elevator Variable Drive Motor Retrofit - 2013 Energy Reduction

- Food preparation equipment replacements (energy efficient/energy star rated) multiple locations – Dish machine change out and retrofit, flat top, gas grill, two each deep fryers all for conversion to high energy efficiency.

33 Major Sustainability Initiatives implemented to date (as of 8-4-2014)

## Planned Sustainability Initiatives:

- Micro-Turbine - on site power generation
- Wind Turbine – on site power generation multiple applications
- Install Grease Capture System “Fog Buster” (reduced maintenance and pump out costs-grease trap)
- Install Hydroflow System to pool, spa and building water system. (Reduce maintenance of heating elements, chlorine usage and calcium build up in pipes) higher health standards, water savings, extended equipment life



# Hilton Concord's Green Report Card

We want to Demonstrate our Corporate Responsibility for the protection and preservation of the environment today and to leave a better planet for future generations.

Therms/year being saved with Aquawing: **19,167**

## Annual Energy Saving Equivalents

Gas emissions from **17** passenger vehicles  
CO<sub>2</sub> emissions from **10,925** gallons of gasoline consumed  
CO<sub>2</sub> emissions from **192** barrels of oil consumed  
CO<sub>2</sub> emissions from **19** Tanker Trucks worth of Gasoline  
CO<sub>2</sub> emissions from the electricity use of **13** homes for one year  
CO<sub>2</sub> emissions from the energy use of **8** homes for one year  
Carbon Sequestered by **2,492** Tree seedings grown for 10 years  
Carbon Sequestered annually by **22** acres of pine or fir forest  
CO<sub>2</sub> emissions from **4,025** propane cylinders used for home BBQ



## Partners In Sustainability

### Pillow-Vac Pillow Renewal System

No more land fill contributions, which take years to decompose. No more CO<sub>2</sub> generation in trips to the land fills. CO<sub>2</sub> reduction. All done on site. Creates added value and significance to our "Pure Room" allergenic guest room Program.

### Low Temperature Dish Washer System

Reduced gas energy usage (therms) by replacing gas heated hot water in the dish washing cycle to lower temperature water, achieving same end result. Utilities companies grant incentives for energy conservation applications.

### BioHitech Bio Digester / Composter

The system processes 1200lbs of food waste using micro organisms, in a 24 hour period to water which is then through the sewer system returned to the water supply system after filtration. Has eliminated 6.5 tons of food waste monthly being hauled off the site to the land fills reducing costs and creating enhanced on site sorting of recycling by employees.

### Extensive Recycling

Throughout the hotel premises we have containers grouped together which identify cans, plastics, glass, paper and trash. Each floor at the elevator foyer has containers which enable housekeeping to deposit appropriately from guest room accumulations. It offers convenience and encourages guests to participate. We are experiencing excellent results.

### Guestroom & Public Space Total Energy Management System

Vacant rooms can be shut down and reactivated at check in when a room key is made. Ballrooms are activated at appropriate times for events which eliminates "phantom energy loss" in unused space saving huge dollar costs and saves huge energy demands. The system is very state of the art operating from an advanced cloud system.

### Low-Flow Eco-flush Toilets

Newly installed low flush toilets in Guest rooms and public restrooms went from 3.1 gallons per flush to 1.6 gal per flush. We received an incentive payment from a utility company that reimbursed the property for the cost of the toilets because our sustainability initiative would save 390,000 gallons of water use demand annually.

### Ultra Efficient LED Lighting in Guestrooms and Public Areas

As part of the energy reduction at the property we reduced energy demand from our LED Lighting program throughout the guest rooms and public spaces.

### Eco-Friendly Dyson Hand Dryers in Public Restrooms

The Dyson Airblade™ hand dryer is the fastest hand dryer – cleaning the air before blowing it onto hands, so it's hygienic too. It also uses up to 80% less energy than warm air hand dryers. It's more cost efficient than paper towels and creates less waste that ends up in landfill.

### Paperless Front Desk & Guest Check-In

Committed to providing guests with an exceptional experience and meeting sustainable principles., Hilton Concord is proud to introduce a paperless check-in and check-out system. With implementation of this technology, the hotel is expecting to raise the bar in the efficiency of our associates, in order to focus on better guest service.

### Solar Film on Windows

Solar film conserves energy as it reflects thermal energy and a percentage of UV rays back outdoors. Solar window treatments reflect UV rays, which play a big part in fading carpet and furniture fabric. Reduced energy costs through lighting, air-conditioning and other appliances, lower energy demands.

### Well-Water & Drip Irrigation System for Landscaping

With our drip irrigation system, we use water efficiently and lose little water to runoff, deep percolation, or evaporation. Irrigation scheduling is managed precisely to reduces water contact with crop leaves, stems, and fruit.

### Natural Eco-Friendly & Sustainable Bottle Water

The Natura water purification system significantly reduces contaminants including heavy metals, pesticides and chemical impurities such as mercury, lead and arsenic. We no longer need to purchase, store, or refrigerate bottled water, which helps protect the environment and our bottom line.