

SUSTAINABLE PLATFORM

JANUARY 9, 2016



Virgin Hotel's sustainable platform is based on the three P's - People, Planet and Partners. Sustainability is meeting the needs of the present without compromising the ability of future generations to meet theirs. Virgin Hotels' sustainable program has aspirational goals of moving toward net zero, net zero carbon and net zero waste. All future Virgin Hotels properties are required to achieve a minimum of LEED Silver certification.

LEED: Leadership in Energy and Environmental Design

Virgin Hotels Chicago has achieved LEED Gold certification, exceeding the minimum goal we set for ourselves.

The LEED rating system was created by the U.S. Green Building Council to encourage and facilitate the design and development of sustainable buildings. LEED focuses on energy and water efficiency, sustainable site, material usage and recycling, indoor air quality and other building approaches creating a high performance building that creates a better environment for the occupants.



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Energy and Atmosphere

Efficient products, systems and equipment are expected to reduce the hotel's energy consumption by 26 percent, reducing fossil fuel use and carbon emissions.

Heating & Cooling Efficiencies

- High insulation (walls, roof) reduces heating and cooling costs
- High-performance windows reduces energy
- Green roofs add insulation and saves energy

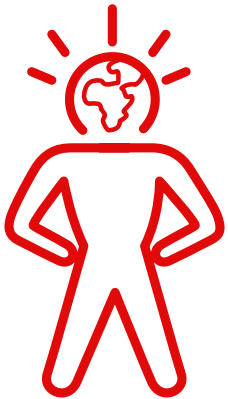
Other Energy Saving Efforts

- Use of energy efficient lighting (LED) or (CFL)
- Daylight sensor lighting controls
- Efficient mechanical controls
- Energy Star certified appliances including refrigerators, televisions, computers and kitchen equipment
- 35% of the buildings total electric energy consumption is from renewable energy sources.

Indoor Air Quality

The hotel's air quality is improved through outside air ventilation and toxin reduction with the hotels. This is achieved by:

- Use of low toxin paints, sealants and adhesives in construction
- Use of light fixtures that have no or low mercury content
- The use of green seal environmentally certified products by housekeeping
- 90 percent of all indoor spaces have views of the outside, improving room quality and reducing energy usage



Materials and Resources

The hotel is committed to the benefits of recycling by:

- Adhering to a recycling program that reduces waste deposited in landfills
- Reducing the impact of extracting new materials from the earth by ensuring that 10 percent of building materials used contain recycled content
- 20% of all materials are sourced regionally
- 75% of construction waste has been diverted from landfill and recycled
- Reuse of materials of the existing building by maintaining 95% of existing walls, floors and roofs.
- The main hotel kitchen uses a digester that naturally breaks down food waste by enzymes to a pure liquid form. This provides an efficient way to compost the food waste which can be used for farming.

Water Efficiency

The hotel reduces annual water consumption by 20 percent by utilizing water-conserving fixtures and policies such as:

- Water-efficient toilets
- Aerated lavatory faucets
- Laundering linens and towels on request
- Operating an efficient kitchen and laundry facility
- The green roof reduces contribution to storm water runoff

Guest impact

Guests have the opportunity to reduce their carbon footprint by participating in an optional program that will balance their carbon emission through investment in projects that reduce greenhouse gas emissions. This includes renewable energy, habitat protection, bio diversity, water stewardship, health and well-being and forestry management. Now guests can do their part and feel better about making their stay even more environmentally friendly.



LEED 2009 for New Construction and Major Renovations

Virgin Hotel Chicago 7/13/2015

Project Checklist

18 8 Sustainable Sites Possible Points: 26

Y	?	N			
Y			Prereq 1	Construction Activity Pollution Prevention	
1			Credit 1	Site Selection	1
5			Credit 2	Development Density and Community Connectivity	5
1			Credit 3	Brownfield Redevelopment	1
6			Credit 4.1	Alternative Transportation—Public Transportation Access	6
		1	Credit 4.2	Alternative Transportation—Bicycle Storage and Changing Rooms	1
		3	Credit 4.3	Alternative Transportation—Low-Emitting and Fuel-Efficient Vehicles	3
2			Credit 4.4	Alternative Transportation—Parking Capacity	2
		1	Credit 5.1	Site Development—Protect or Restore Habitat	1
1			Credit 5.2	Site Development—Maximize Open Space	1
		1	Credit 6.1	Stormwater Design—Quantity Control	1
		1	Credit 6.2	Stormwater Design—Quality Control	1
1			Credit 7.1	Heat Island Effect—Non-roof	1
1			Credit 7.2	Heat Island Effect—Roof	1
		1	Credit 8	Light Pollution Reduction	1

4 6 Water Efficiency Possible Points: 10

Y	?	N			
Y			Prereq 1	Water Use Reduction—20% Reduction	
4			Credit 1	Water Efficient Landscaping	2 to 4
		2	Credit 2	Innovative Wastewater Technologies	2
		4	Credit 3	Water Use Reduction	2 to 4

13 22 Energy and Atmosphere Possible Points: 35

Y	?	N			
Y			Prereq 1	Fundamental Commissioning of Building Energy Systems	
Y			Prereq 2	Minimum Energy Performance	
Y			Prereq 3	Fundamental Refrigerant Management	
10		9	Credit 1	Optimize Energy Performance	1 to 19
		7	Credit 2	On-Site Renewable Energy	1 to 7
		2	Credit 3	Enhanced Commissioning	2
		2	Credit 4	Enhanced Refrigerant Management	2
1		2	Credit 5	Measurement and Verification	3
2			Credit 6	Green Power	2

8 6 Materials and Resources Possible Points: 14

Y	?	N			
Y			Prereq 1	Storage and Collection of Recyclables	
3			Credit 1.1	Building Reuse—Maintain Existing Walls, Floors, and Roof	1 to 3
		1	Credit 1.2	Building Reuse—Maintain 50% of Interior Non-Structural Elements	1
2			Credit 2	Construction Waste Management	1 to 2
		2	Credit 3	Materials Reuse	1 to 2

Materials and Resources, Continued

Y	?	N			
1		1	Credit 4	Recycled Content	1 to 2
2			Credit 5	Regional Materials	1 to 2
		1	Credit 6	Rapidly Renewable Materials	1
		1	Credit 7	Certified Wood	1

9 6 Indoor Environmental Quality Possible Points: 15

Y	?	N			
Y			Prereq 1	Minimum Indoor Air Quality Performance	
Y			Prereq 2	Environmental Tobacco Smoke (ETS) Control	
		1	Credit 1	Outdoor Air Delivery Monitoring	1
		1	Credit 2	Increased Ventilation	1
1			Credit 3.1	Construction IAQ Management Plan—During Construction	1
		1	Credit 3.2	Construction IAQ Management Plan—Before Occupancy	1
1			Credit 4.1	Low-Emitting Materials—Adhesives and Sealants	1
1			Credit 4.2	Low-Emitting Materials—Paints and Coatings	1
		1	Credit 4.3	Low-Emitting Materials—Flooring Systems	1
1			Credit 4.4	Low-Emitting Materials—Composite Wood and Agrifiber Products	1
		1	Credit 5	Indoor Chemical and Pollutant Source Control	1
1			Credit 6.1	Controllability of Systems—Lighting	1
1			Credit 6.2	Controllability of Systems—Thermal Comfort	1
1			Credit 7.1	Thermal Comfort—Design	1
1			Credit 7.2	Thermal Comfort—Verification	1
		1	Credit 8.1	Daylight and Views—Daylight	1
1			Credit 8.2	Daylight and Views—Views	1

6 Innovation and Design Process Possible Points: 6

Y	?	N			
1			Credit 1.1	Innovation in Design: SSc4.1 exemplary performance	1
1			Credit 1.2	Innovation in Design: SSc2 exemplary performance	1
1			Credit 1.3	Innovation in Design: SSc5.2 exemplary performance	1
1			Credit 1.4	Innovation in Design: Walkable Streets Pilot Credit	1
1			Credit 1.5	Innovation in Design: Low mercury lighting	1
1			Credit 2	LEED Accredited Professional	1

3 1 Regional Priority Credits Possible Points: 4

Y	?	N			
1			Credit 1.1	Regional Priority: SSc4.1	1
1			Credit 1.2	Regional Priority: SSc7.2	1
1			Credit 1.3	Regional Priority: SSc5.2	1
		1	Credit 1.4	Regional Priority: SSc6.1, SSc6.2, IEQc2	1

61 49 Total Possible Points: 110

Certified 40 to 49 points Silver 50 to 59 points Gold 60 to 79 points Platinum 80 to 110