

HOTEL GREEN REVITALIZATION INITIATIVE

INVESTMENT READINESS DIAGNOSTIC REFERENCE



EDGE (“Excellence in Design for Greater Efficiencies”) is an innovation of the IFC created as a measurable and credible solution to prove the business case for building green and unlock financial investment. EDGE is not only a **green building certification**, but also includes a **free cloud-based EDGE App platform** (available from www.edgebuildings.com) that allows user to calculate the cost of going green and associated utility savings for building development and renovation.

The Hotel Green Revitalization Initiative will incorporate EDGE criteria when considering energy and water efficiency investments that accompany its lending and refinancing terms. Below are some examples of specific attributes:

Energy Efficiency	
HTE01 Window area to be less than or equal to 40% of the wall area	HTE18 High efficiency condensing boiler
HTE02 External shading devices	HTE19 High efficiency boiler for water heating
HTE05 Low-E, solar control glass	HTE20 Variable speed hoods with automated / intelligent fan controls with cooking sensors.
HTE06 Double/triple glazing	HTE30 Solar collectors for hot water
HTE03-04 Roof and wall insulation	HTE21 Preheat water using waste heat from generators for Kitchen, Laundry and Rooms
HTE07 Naturally vented corridors /100% fresh air during good outdoor conditions	HTE22 Heat recovery from grey water [shower & washbasin]
HTE08 Operable windows in guest room with auto controls in windows to turn off AC	HTE23 Heat recovery from laundry waste water
HTE11 Air-conditioning using water cooled chillers	HTE25 CFL / LED /T5 Lights for front-of-house, restaurants, guest rooms and toilets
HTE12 Ground Source Heat Pump	HTE26 LED lights for outdoor lighting
HTE13 Absorption chiller powered by waste heat	HTE27 Efficient back-of-house lighting.
HTE14 Generator waste heat for space heating	HTE28 Time controls/movement sensors for switch-off of every second light in corridors
HTE15 Variable speed drives [VSD] in cooling towers	HTE29 Occupancy sensors in bathrooms for lighting
HTE17 Heat recovery from exhaust air	HTE31 Solar Photo Voltaic cells for production
Water	
HTW01 Low-flow showerheads [≤7litre per minute] in guest rooms	HTW09 Pre-rinse valve for rinsing operation
HTW02 Aerators for taps / Auto shut-off taps [≤2 litre per minute] in Guest Rooms	HTW10 Water-efficient kitchen taps [≤2 litre per minute]
HTW03 Dual flush for water closets [≤6 liters per flush] in Guest Rooms	HTW11 Water-efficient landscape and Install drip irrigation system
HTW04 Water efficient Front Loading Washing Machine and Ozone Laundry System	HTW14 Rain water harvesting and recycling system
HTW05 Urinals with sensors in all other toilets	HTW15 Grey water treatment and recycling system
HTW06 Dual flush for water closets [≤6 liters per flush] in all other toilets	HTW16 Sewage treatment plant and water recycling for irrigation and/or WC flushing
HTW07 Aerators for taps/auto shut-off taps [≤2 litre per minute] in all other toilets	Water-efficient ice machine
HTW08 Water-efficient dishwashers which have waste air heat recovery system and an auxiliary rinse zone.	
Materials	
HTM02 Materials used for Roof construction	HTM04 Materials used for internal walls
HTM01 Materials used for floor construction	HTM06 Windows frame
HTM03 Materials used for external walls	HTM05 Flooring material