







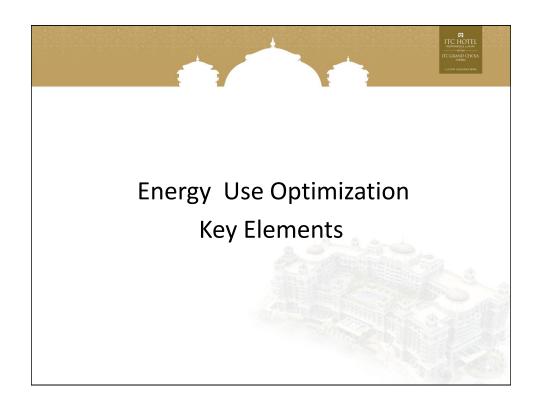


Potable Water Use Reduction more than 40% on the base case.

- Native & naturalized plant species
- Shading of ground covers by trees to reduce evapotranspiration
- O Drip irrigation, micro-sprinklers & timer based controls
- 3/6 Litre (0.8/1.6 gpf) Dual flush toilets, and low flow faucets
- Water from last cycle of wash reused for first cycle in laundry



- On site sewage treatment plant (SBR of 675 KLD) to tertiary standards
- STP Treated water used for flushing, irrigation and air conditioning make up
- Multiple zone hydro pneumatic water distribution system





Energy Use Optimization

- Chiller efficiency of 0.55 IKW/ton (COP 6.3) under ARI conditions (ASHRAE baseline 0.57 IKW/ton, COP 6.1)
- Variable speed cooling towers, with 76 gpm/HP. And Approach Temp: 7°F (ASHRAE 38 gpm/HP, approach 10°F)
- Central AC plant with Hartman loop (Intelligent All variable system)



- Ipad based room control system Operates room lighting, sets moods, manages air conditioning, operates television, surf hotel information, restaurant menus and much more.
- Guest Room Temperature control -
 - Unrented 26 °C and all Lights are OFF.
 - Rented and Occupied 22 °C and Lights On as per Guest requirements.
 - Rented and Unoccupied. 24 °C and all lights OFF.

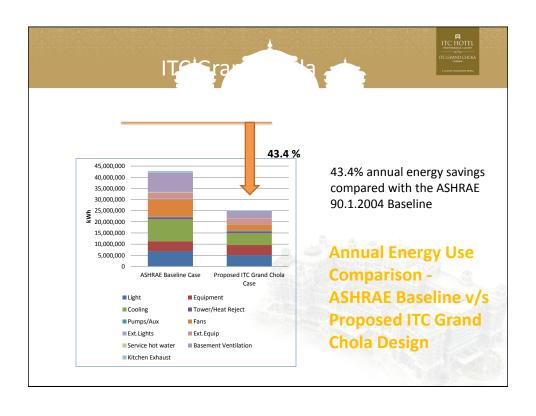


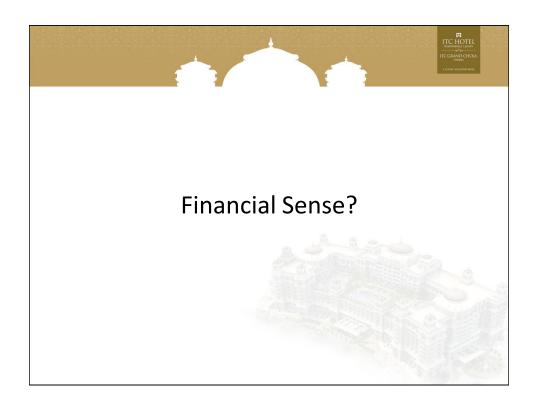
- Oxygen trimming in boilers Continuous monitoring of the flue gases and adjusting the air and fuel mixture for optimized fuel efficiency
- Multiple zone Hydro pneumatic water distribution system with Jockey and main pump concepts
- CO₂ Sensor based TFAs and AHUs operated by IBMS

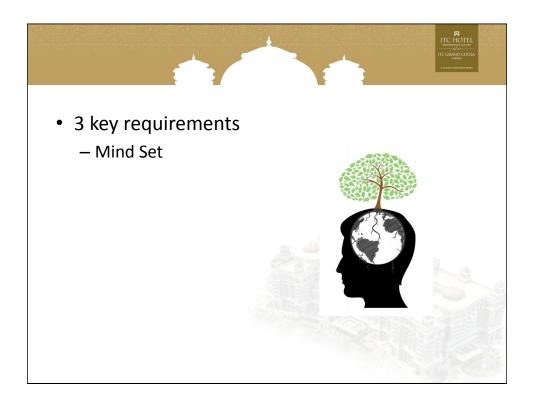


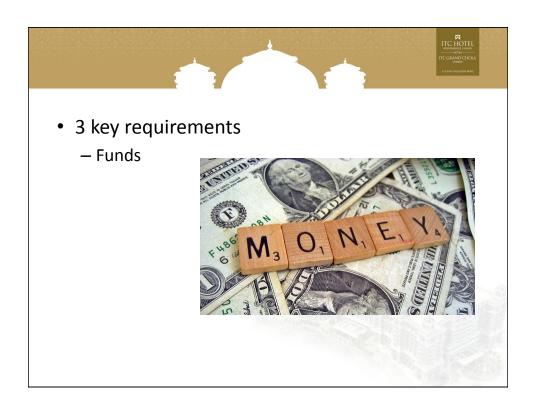
Renewable Energy Integration -

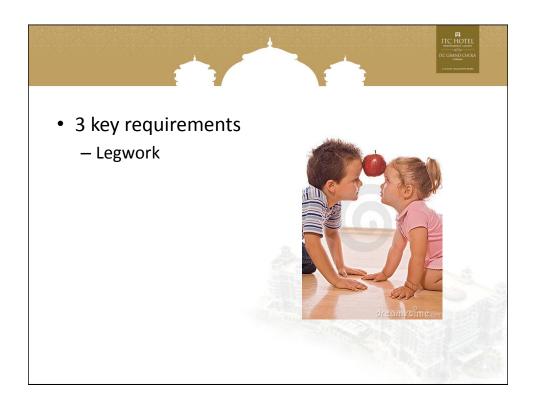
- 100% Green power equivalent to 27,900,000 kWh by means of 12.6 MW wind turbines installed at Kundadam, Near Kovai.
- 20% Hot water through Solar collectors

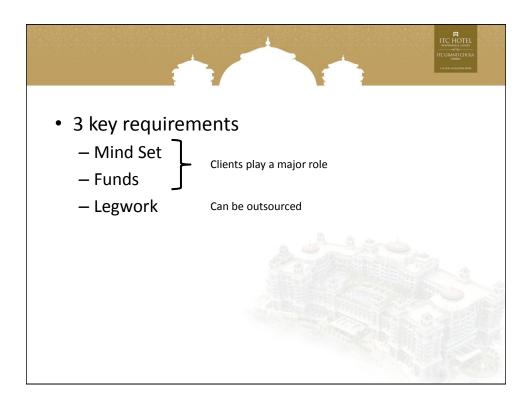














- Additional upfront costs of of app 5%
- Paybacks and IRRs
- Operating cost savings
- Intangibles viz. Increased Customer awareness
- Soft Benefits (Increased productivity/ greater occupant health/ Improved Public relations)





- First hotel chain in the world with all its Luxury hotels (10 numbers), having been awarded LEED® Platinum green certification.
- ITC Limited, a corporation with the largest number of business units**, having been awarded LEED® Platinum green certification.
- ITC Maurya, New Delhi World's first hotel with LEED® Platinum certification, under the Existing Building (EB) category.
- ITC Green Centre (headquarters of ITC's Hotels Division) World's highest rated LEED® Platinum certified building (99 points out of 110).
- ITC Gardenia Asia's first LEED® Platinum certified hotel, under the New Construction (NC) category
- ITC Grand Chola, Chennai World's largest LEED® platinum certified hotel in the New Construction category.

