**Electrical Energy**

**(EE06)**



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| **Fact Sheet EE06: Purchase high efficiency HVAC equipment** | |
| **Overview** | |
| *Objective* | Decrease the electrical energy consumption in the hotel’ HVAC system |
| *Action* | Upgrade the HVAC equipment with new high efficiency equipment |
| *Key Challenges* | * Ensuring computability with existing systems * Minimizing the system down time during installation and commissioning * Exact intervention depends on the type of the existing system |
| **Process** | |
| *Complexity* | Low |
| *Equipment & Material* | New high efficiency equipment |
| *Human Resources* | Technical labor and engineering department personnel |
| **Considerations** | |
| *Regulatory Aspects* | None |
| *Economic* | High CAPEX, low OPEX, High expected energy saving |
| *Advantages* | Most technologies are off-the-shelf |
| *Disadvantages* | * A detailed study may be required to justify major technical interventions * Can be disruptive to hotel’ activities |
| **Impacts** | |
| *Environmental* | Pollution reduction by avoiding CO2 emissions |
| *Employment Opportunities* | None |