**Thermal Energy**

**(TE02)**



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| **Fact Sheet TE02: Register the hotel' total thermal energy use at least once per month** |
| **Overview** |
| *Objective* | Document and control thermal energy consumption. |
| *Action* | Register natural gas or diesel consumption monthly for controlled thermal energy usage. |
| *Key Challenges* | The consistency in registering and documenting consumptions. |
| **Process** |
| *Complexity* | Low – taking readings and documenting |
| *Equipment & Material*  | No equipment needed |
| *Human Resources* | Technicians for collecting the readings monthly |
| **Considerations** |
| *Regulatory Aspects* | None |
| *Economic*  | Low CAPEX, Low OPEX, Savings depend on the analysis done on the thermal energy use registered. (hard to be generalized) |
| *Advantages* | * Reduction in gas/electrical bill.
* Reduction in CO2 emissions.
* Following up with the high consumption points in the thermal system and make modifications for reduction in consumptions.
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| *Disadvantages* | Possible need for additional flow meters. |
| **Impacts** |
| *Environmental* | Environmentally friendly approach, pollution reduction as a result to CO2 reduction |
| *Employment Opportunities* | Low – technical labors |