



Business Sustainability Modules

Cooling Towers Checklist

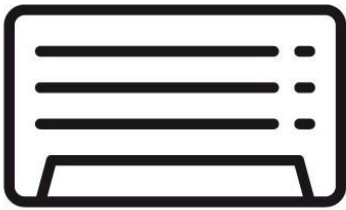
Measure



HVAC assessment complete - type, number, operating hours, setting and, where possible, cooling/heating capacity and energy consumption recorded



Operate



Energy controls/management allow the system to be operated efficiently i.e. zoned and appropriate setting



Doors or windows are well-sealed and closed when heating or cooling systems are being used



Timers on heating and cooling systems to ensure they are turned on and off at optimal times



Set air conditioning thermostat to min 24°C in summer and max 19°C in winter or set on eco-mode to use external airflow



Understanding the cooling tower system and having the service provider explain the purpose of the chemicals in use and any adjustments made to the system





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Service Provider

- Ensure the service provider understands that water conservation is a priority through:
 - Checking for any damage or leaks from seals, pumps, tower casing, air intake or exhaust ducts
 - Reducing splash
 - Optimising overflow
 - Eliminating drift
 - Checking cycles of concentration
 - Using rainwater for make-up water.
- Performance-based contracts related to reducing water consumption while still keeping scale, corrosion and fouling at an acceptable level.
- Occasional independent testing to verify the performance of the cooling tower and provide a second opinion on the operation of the system
- Specifying all proposed treatment regimes to include water and wastewater savings/costs as well as chemical costs.
- Requiring a report to be provided after each service and analysing the test results.