

Energy Saving Plan (Sample)

This sample is for reference only and is NOT a standard document.

SAMPLE

Sample

Energy Saving Plan for the Proposed Data Centre

At <<ADDRESS>>

We aim to achieve better energy-efficiency and minimise environmental impacts in data centre operation. The proposed data centre will be designed, implemented and operated in the following aspects:

		Yes	No	Not Applicable
1	Green Design <Please refer to Section 2 Green Design of “Green Data Centre Practices” >			
1.1	Consider server virtualization <Please add brief descriptions, if applicable>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1.2	Develop data life cycle management framework <Please add brief descriptions, if applicable>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1.3	Adopt data centre design to separate hot and cold air as well as cooling system for human comfort and that of data centres <Please add brief descriptions, if applicable>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1.4	Use structured cabling system <Please add brief descriptions, if applicable>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1.5	Install power meters to measure total energy usage and energy delivered to IT equipment in the data centre <Please add brief descriptions, if applicable>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2	Green Procurement <Please refer to Section 3 Green Procurement of “Green Data Centre Practices”>			
2.1	Include energy efficiency performance requirements and power management features <Please add brief descriptions, if applicable>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.2	Consider wider ranges of operating temperature and relative humidity (such as the ASHRAE Class A2) in procurement of IT equipment for saving cooling energy <Please add brief descriptions, if applicable>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.3	Specify minimum Coefficient of Performance for chillers or air conditioners/air handlers <Please add brief descriptions, if applicable>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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		Yes	No	Not Applicable
2.4	Deploy computer room air-conditioners/air handlers with variable speed fans <i><Please add brief descriptions, if applicable></i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.5	Include energy efficient lighting systems <i><Please add brief descriptions, if applicable></i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3	Green Operations <i><Please refer to Section 4 Green Operation of “Green Data Centre Practices” ></i>			
3.1	Measure carbon footprint, power usage efficiencies, utilisation of servers and storage <i><Please add brief descriptions, if applicable></i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3.2	Setup mechanism to examine the installed equipment regularly to ensure it is required and delivering active services; Switch off idle IT equipment or unmanned monitors <i><Please add brief descriptions, if applicable></i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3.3	Measure and report energy consumption, environmental ranges and water usage of data centre and inlet/outlet temperature of IT equipment regularly <i><Please add brief descriptions, if applicable></i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3.4	Manage air-flow to separate hot and cold air <i><Please add brief descriptions, if applicable></i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3.5	Shut down unnecessary cooling equipment <i><Please add brief descriptions, if applicable></i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3.6	Move cooling air closer to IT load <i><Please add brief descriptions, if applicable></i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3.7	Reduce cooling requirement by increasing target intake temperature of IT equipment, and ensure cooling system set-points to be dictated by IT equipment only <i><Please add brief descriptions, if applicable></i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3.8	Switch off lights whenever areas are unoccupied <i><Please add brief descriptions, if applicable></i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4	Green Disposal <i><Please refer to Section 5 Green Disposal of “Green Data Centre Practices” ></i>			
4.1	Include requirements such as refurbishing or	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Sample

Yes No Not
Applicable

dismantling for reuse

<Please add brief descriptions, if applicable>

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*<Please add other measures / facilities, if any, that will
be adopted in order to save energy consumption>*

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