



To
Consultants / Contractors / Landlords / Project Developers
Dubai
Dear Customer,

DEWA Regulations for Electrical and water Installations Inclusion of Design Requirements for Green Building Specification

In line with the resolution issued by His Highness Sheikh Mohammed Bin Rashid Al Maktoum, UAE Vice-President & Prime Minister and Ruler of Dubai on implementation of Green building specification, DEWA will be enforcing Regulations to achieve the same, through various phases/stages.

As an initial phase of the implementation, the following requirements shall be considered at the initial stage of the building design, by all Consultants, Consumers, Developers, etc., for implementation in the project.

1. **Lighting Fittings:-**

Following type of efficient lamps, (some or all, as applicable) shall be used in all buildings except theaters, television studios, ballrooms and other buildings in which the lighting represent the main element of their function:

- a) *Compact Fluorescent Lamps (CFL) instead of incandescent lamps.*
- b) *Halogen with dimming system.*
- c) *Linear and circular fluorescent lamps.*
- d) *High Intensity Discharge (HID) such as HPS and metal halide.*
- e) *Light Emitting Diodes (LEDs).*
- f) *Electronic ballasts shall be used instead of magnetic ballast.*

2. **Solar Power:-**

Using of Solar power for the purpose of connecting loads such as landscaping, irrigation pumps, water heating, etc. shall be permitted subject to the technical compliance with safety and segregation of the source from DEWA supply.

3. **Control System for Lighting and Air-Conditioning :-**

Following control systems shall be used in all buildings:-

- a) *Where it is possible or applicable *, motion / occupancy sensors and/or timers and/or dimming system shall be used in all buildings to control lighting. A/C shall be controlled using motion sensors and/or timers. (shall be optional for the residential buildings** and villas).*

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- b) *Motion / occupancy sensors and/or timers and/or diming system shall be used to control lighting in the corridors and public places in the residential buildings, except villas. A/C shall be controlled using motion sensors and/or timers.*
- c) *Motion / occupancy sensors and/or timers shall be used to control lighting and A/C in the services and emergency staircases with suitable time interval. In emergency cases, all exits and staircases shall be automatically illuminated in line with the requirements of Dubai Civil Defense.*

4. **Water Services:-**

Following Regulations shall also be incorporated as part of the Green Building Design requirement for Water Services:-

- a) *Low flow faucets and taps*** (automatic / pressed / manual) shall be used in all buildings and shall be optional in villas.*
- b) *Or, use water flow reducers (aerators) with the normal faucets and taps in bathrooms and kitchens.*
- c) *Dual flush systems shall be used with normal flush tanks in the bathrooms, or use low volume flush tanks (1.6 gallons / flush maximum), in all buildings.*

Please contact DEWA Al Hudaiba Customer Service Office on Tel. 04-5066324/5066100 for guidance, if required.

Thanking you in anticipation of your full cooperation.

Yours faithfully,

For **DUBAI ELECTRICITY & WATER AUTHORITY**


(Rashid Bin Humaidan)

Executive Vice President – Customer Services

PS:-

- * Refers to the places where it is not likely to use motion sensors and timers such as lobbies in hotels
- ** Residential buildings: all buildings are being used for residential purposes.
- *** Low flow faucets and taps: 2 gallons / minute maximum