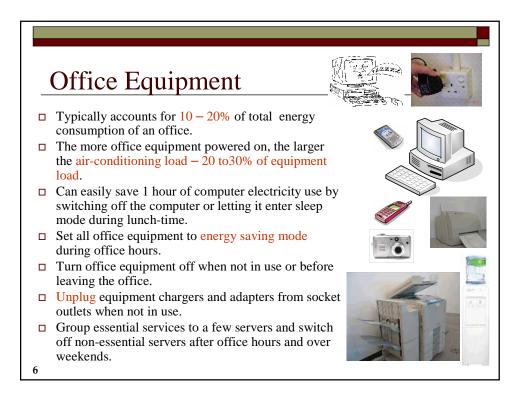


Office Equipment

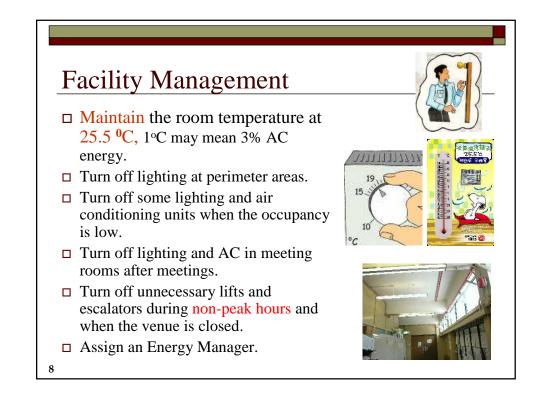
	Range (W)	Average (W)
Computer, Idling	64 – 100	77
Computer, Screen saver	61 – 130	89
Computer, Stand-by/Hibernation	1.4 – 3.5	2.6
LCD Monitor, Idling	15 – 31	24
LCD Monitor, Screen saver	16 – 31	23
LCD Monitor, Stand-by	0.8 – 3.6	1.6
Ink-jet Printer	< 0.05 - 11.4	4.7
Laser Printer	4.6 – 51	19.5
Photocopier, Idling	33 – 78	55
Photocopier, Stand-by	33 – 77	52
Fax machine	8 – 22	14
Charger	1.0 – 3.1	1.7
Microwave Oven	2.0 – 3.1	2.5

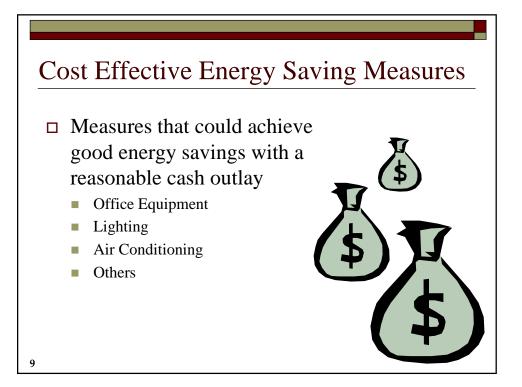


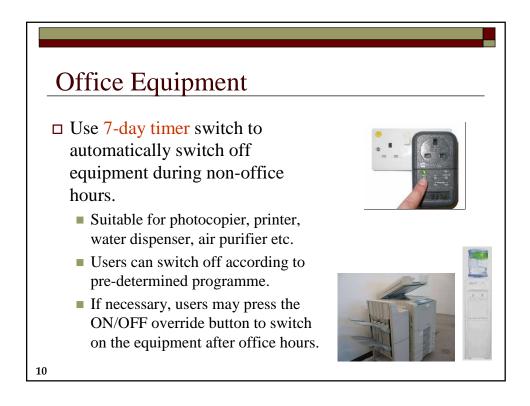
Facility Management

- □ Keep windows and doors shut for all airconditioned areas.
- □ Avoid pre-cooling. Use "high" fan mode, rather than lowering the temperature, to provide adequate ventilation when high level of occupancy is expected.
- □ Use fan to achieve thermal comfort rather than extending AC time after office hours.
- □ Lower the window blinds to reduce direct sunlight during summer time.
- □ Switch off some AC in server rooms on Saturdays and on public holidays.
- Ensure sufficient air flow around equipment,
 Cool the servers, not the people !!





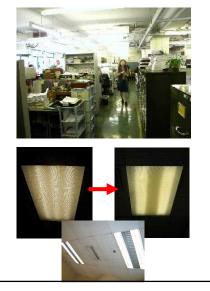


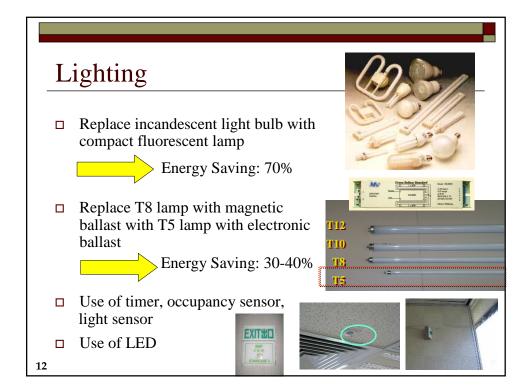


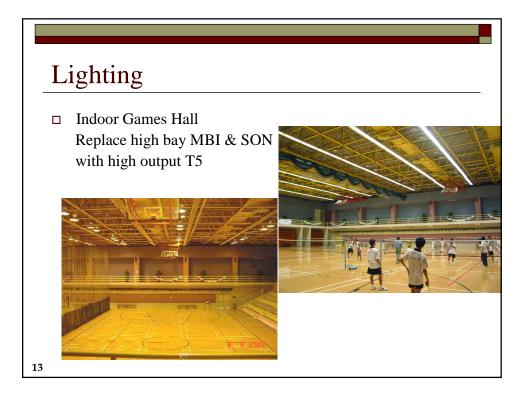
Lighting

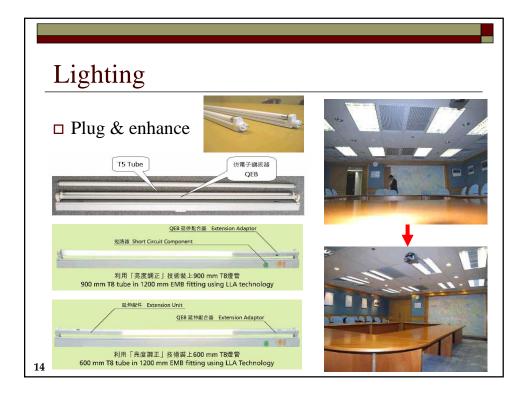
- Cut down the number of luminaires in over-lit areas.
- □ Reduce the illuminance level in over-lit areas.
- □ Delamping
- □ Lighting re-grouping
- **D**imming

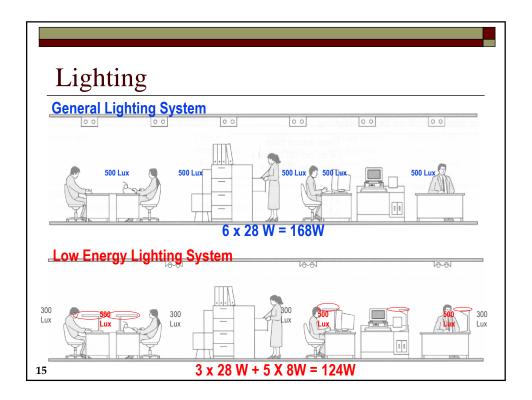


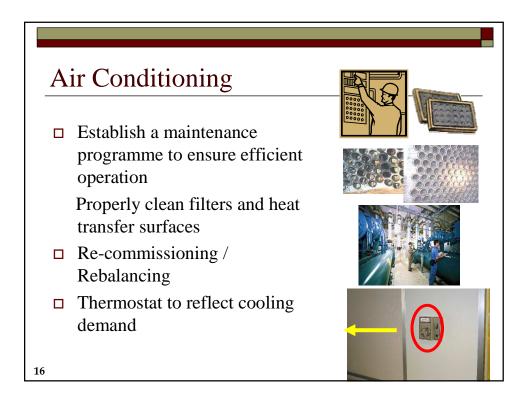


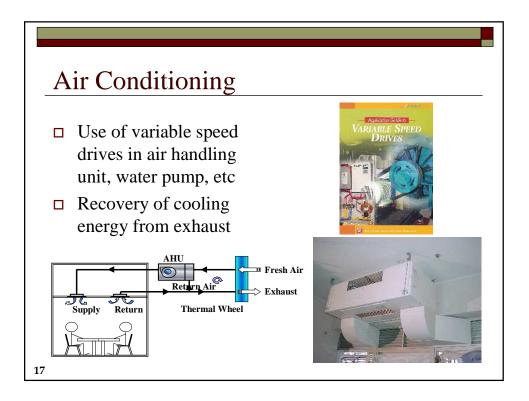


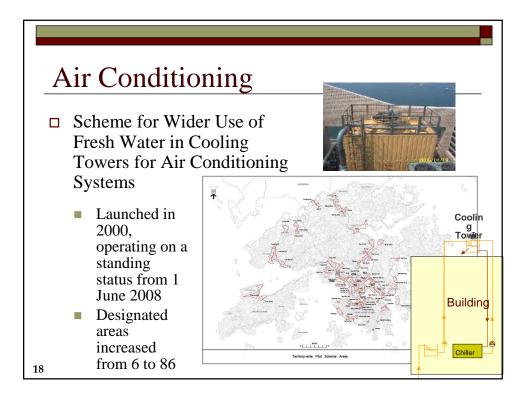










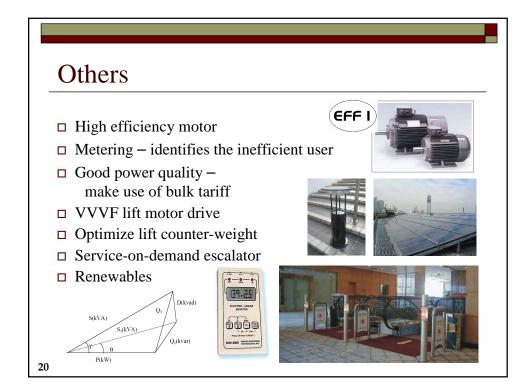


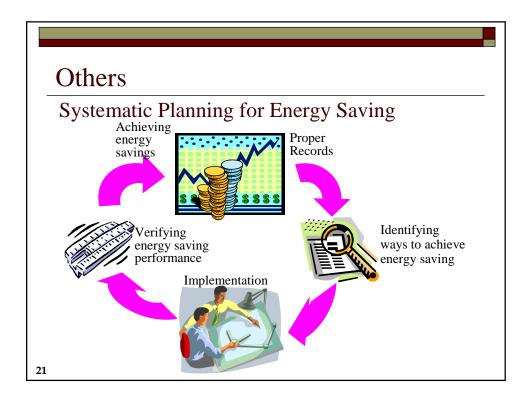
Air Conditioning

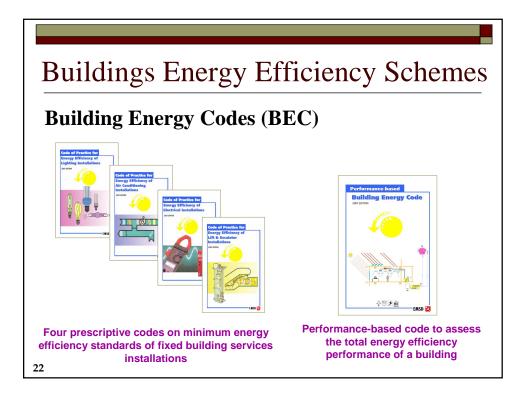
- During replacement adopt equipment with higher efficiency e.g. room cooler affixed with Grade 1 Energy Label
- Part Load Efficiency
- □ Fresh Air Demand Control
- □ Occupancy Sensor, Timer
- □ Static pressure reset
- □ Chilled water temp reset
- Operation hours optimization
- □ Adoption of shading
- □ Use of anti-ultraviolet film Reduce ultraviolet: 70-90%

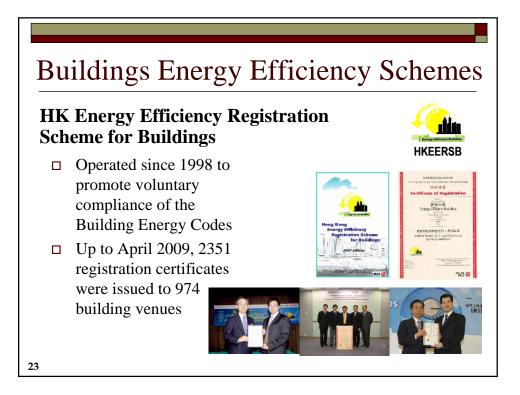
19

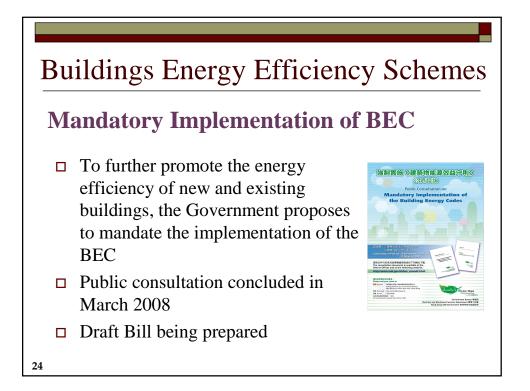












Mandatory Implementation of BEC

Coverage

- Commercial buildings (offices, hotels, shopping complex, etc.)
- Commercial portion of composite buildings
- Common area of residential and industrial buildings
- Educational buildings
- Community buildings (e.g. community center, elderly home, youth centre)
- Municipal buildings (e.g. library, cultural centre)
- Hospitals and clinics
- Institutional buildings (e.g. fire station, police station)

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