REA Briefing 2025

Legislative Amendment to Buildings Energy Efficiency Ordinance

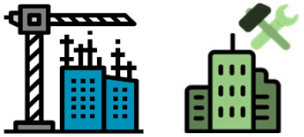
2 &15 May 2025

機電工程署
EMSD

Current Buildings Energy Efficiency Ordinance (Cap.610)

Implemented since 2012 and mainly regulate :

13 types of building



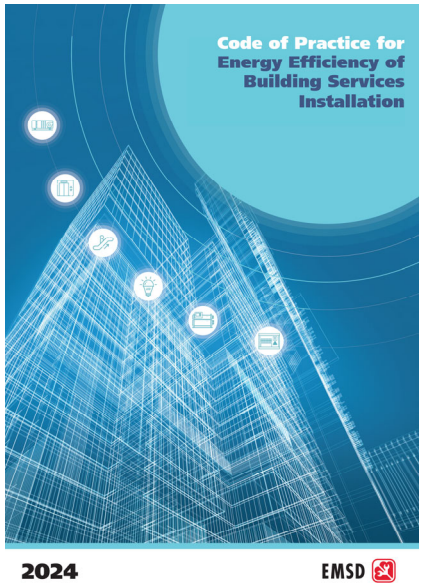
to **comply energy efficiency standard** for building services installations when **newly constructed** or **carrying out major retrofitting works**

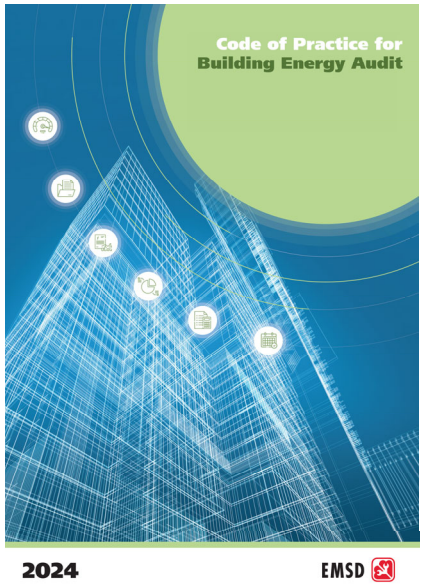
1. Commercial building
2. Commercial portion of composite building
3. Hotel and guesthouse
4. Common area of residential building
5. Common area of composite building
6. Common area of industrial building
7. Building occupied principally for education purpose
8. Building occupied principally for community services
9. Building occupied principally for municipal services
10. Building occupied principally for medical services
11. Building for Government functions
12. Passenger terminal building of airport
13. Railway station

2 types of building

to conduct **energy audits** for central building services installations **at intervals no longer than 10 years**

1. Commercial building
2. Commercial portion of composite building





Proposed amendments to the Ordinance

Proposed to amend the Ordinance and its subsidiary legislation to enhance energy efficiency management regime of Hong Kong :

(1) Regulate the energy efficiency standards of building services installations for all data centres

(2) Require more types of building to conduct regular energy audits

(3) Shorten the interval of energy audits

(4) Disclose technical data in energy audit reports

(5) Include professional engineer of energy discipline and professional member of the HKIQEP as one of the eligibilities for registration as “Registered Energy Assessor”

Amendment (1) : Regulate the energy efficiency standards of building services installations for all data centres

13 → 15 types of building

to **comply energy efficiency standard** for building services installations when **newly constructed** or **carrying out major retrofitting works**

1. Commercial building
2. Commercial portion of composite building
3. Hotel and guesthouse
4. Common area of residential building
5. Common area of composite building
6. Common area of industrial building
7. Building occupied principally for education purpose
8. Building occupied principally for community services
9. Building occupied principally for municipal services
10. Building occupied principally for medical services
11. Building for Government functions
12. Passenger terminal building of airport
13. Railway station

add :

14. Data centre building
15. Data centre portion of industrial building

- Data centre has been growing fast in recent years, accounting to over 4% electricity consumption of buildings in Hong Kong
- **Data centre building** and **data centre portion of industrial building** are not yet covered by the current Ordinance

Amendment (2) : Require more types of building to conduct regular energy audits

2 → 11 types of building

to conduct regular **energy audit** for central building services installations

1. Commercial building
2. Commercial portion of composite building

add :

3. **Building occupied principally for education purpose**
4. **Building occupied principally for community services**
5. **Building occupied principally for municipal services**
6. **Building occupied principally for medical services**
7. **Building for Government functions**
8. **Passenger terminal building of airport**
9. **Railway station**
10. **Data centre building**
11. **Data centre portion of industrial building**

- Averaged energy utilization index have been reduced by 20% for buildings that carried out 2nd energy audits
- More cost-effective to conduct energy audits in large buildings given their higher energy saving potentials
- With the exception of data centres, exempt buildings with gross floor area not exceeding 7 000m^2 for energy audit
- Electricity consumption of exempted buildings is only 10% of that before exemption, and the total electricity consumption of buildings to be regulated will increase by 1.4 times from around 3.9 billion kWh to date to around 9.5 billion kWh





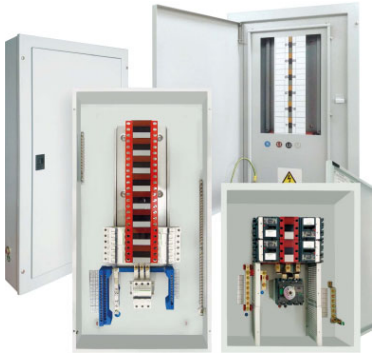


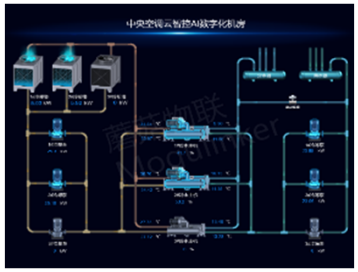


Amendment (3) : Shorten the intervals of energy audits

Energy Audit Intervals

10 → 5 years





- Five years interval for energy audit is comparable to those in our neighbouring regions (such as Mainland, Singapore and Tokyo Japan)
- Around 1% to 10% electricity saving potential can be generally identified through energy audit
- Cost of energy audit is less than 1% of annual electricity cost of the building with gross floor area exceeding 7 000m^2

Amendment (4) : Disclose technical data in energy audit reports

Data currently disclosed
(via Energy Audit Form)

- Name and address of building
- Date conducting the energy audit
- Energy utilization index
- Particulars of Registered Energy Assessor conducting the energy audit


表格 EE5 Form EE5

機電工程署 EMSD

能源審核表格

ENERGY AUDIT FORM

建築物能源效益條例 (第 610 章)
Buildings Energy Efficiency Ordinance (Chapter 610)

建築物中文名稱
NAME IN ENGLISH

展開能源審核日期
Commencement date of energy audit (日/月/年 DD/MM/YYYY)

中央屋宇裝備裝置能源使用指數
Energy Utilization Index of central building services installation
See note 4, 見通知事項 4
千瓦小時/平方米/年 kWh/m²/annum

與前次能源審核的比較
Comparison with previous audit
See note 5, 見通知事項 5
%

☐ 不適用 Not applicable

更多資訊 More information

瀏覽已獲發能源審核表格的建築物列表
Scan the QR code to visit list of buildings issued with energy audit form

本表格由註冊能源效益評核人根據建築物能源效益條例(第 610 章)第 22 條規定發出。
This Form was issued by Registered Energy Assessor in accordance with section 22 of the Buildings energy Efficiency Ordinance (Cap. 610)

註冊能源效益評核人姓名
Name of Registered Energy Assessor

註冊能源效益評核人註冊號碼
Registration number of Registered Energy Assessor

表格簽發日期
Date of issue

此日期或之前展開下次能源審核
Commencement of next energy audit by

註冊能源效益評核人簽名
Signature of Registered Energy Assessor

required to display Energy Audit Form at entrance of building

Additional data to be disclosed
(via new Data Disclosure Form)

- Energy efficiency data of building services installations:
  - ✓ energy efficiency coefficient
  - ✓ year of service
  - ✓ control system
  - ✓ energy saving potential

- Allow public to inspect the energy performance of the buildings
- Encourage the trade to proactively offer energy saving proposals, expedite implementation of energy saving measures and promote green economy

Amendment (5) : Expand the qualification requirement for registration as "Registered Energy Assessor"

The Ordinance has set up a statutory profession of "Registered Energy Assessor" for certifying the compliance of building services installations on energy efficiency standard and the conduct of energy audit

Application for registration as "Registered Energy Assessor"

one of the eligible criteria :

Registered Professional Engineer or corporate members of the Hong Kong Institution of Engineers in the electrical, mechanical, environment or building services discipline

Buildings Energy Efficiency Appeal and Disciplinary Board Panel members

appointed by SEE and comprises members of :

Members of Engineers Registration Board and corporate members of the Hong Kong Institution of Engineers in the electrical, mechanical, environment or building services discipline

To include Energy discipline and professional member of the Hong Kong Institute of Qualified Environmental Professionals

- Energy discipline and Hong Kong Institute of Qualified Environmental Professionals had not been set up when the Ordinance came into implementation
- The trade has been suggesting the inclusion to facilitate the implementation of the Ordinance

Consultation and Timetable

Consultation

Consultation paper published in November 2023

Consultation meeting
~300 parties

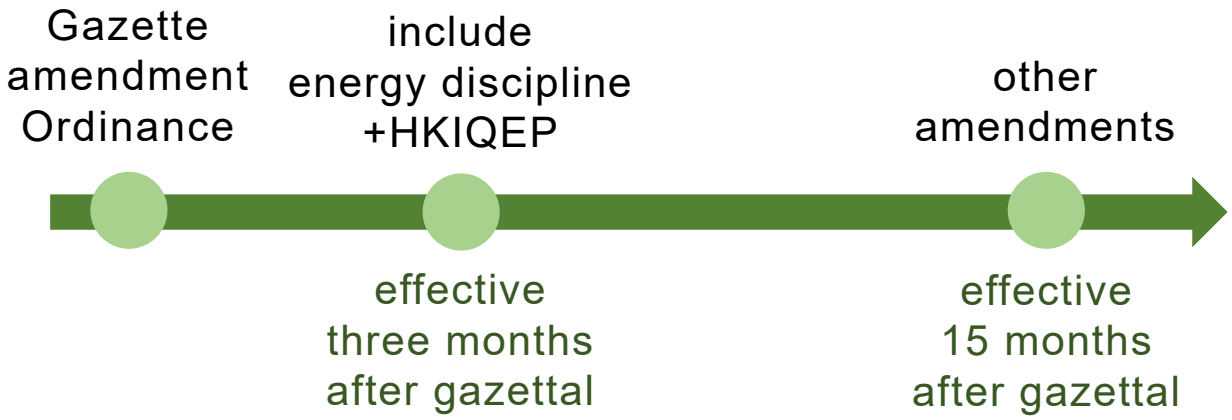
Business impact assessment interview
28 parties

Letter/email to invite comment
~7 000 parties

Legislative timetable

- Amendment bill gazetted on 21 March 2025
- Now under examination by Legislative Council

Implementation timetable (if approved)



target to fully implement within 2026


Thank You!
FTLife
AIA