

## Head 42 — ELECTRICAL AND MECHANICAL SERVICES DEPARTMENT

**Controlling officer:** the Director of Electrical and Mechanical Services will account for expenditure under this Head.

**Estimate 2025–26** ..... **\$1,851.2m**

**Establishment ceiling 2025–26** (notional annual mid-point salary value) representing an estimated 554 non-directorate posts as at 31 March 2025 reducing by eight posts to 546 posts as at 31 March 2026..... **\$449.3m**

In addition, there will be an estimated 19 directorate posts as at 31 March 2025 and as at 31 March 2026.

**Commitment balance**..... **\$885.3m**

### Controlling Officer’s Report

#### Programmes

|   |  |
|---|--|
| <b>Programme (1) Energy Supply; Electrical, Gas and Nuclear Safety</b>          | This programme contributes to Policy Area 9: Internal Security (Secretary for Security) and Policy Area 23: Environmental Protection, Conservation, Power and Sustainable Development (Secretary for Environment and Ecology).   |
| <b>Programme (2) Mechanical Installations Safety</b>                            | This programme contributes to Policy Area 5: Travel and Tourism (Secretary for Culture, Sports and Tourism), Policy Area 18: Recreation, Culture, Amenities and Entertainment Licensing (Secretary for Home and Youth Affairs), Policy Area 21: Land and Waterborne Transport (Secretary for Transport and Logistics) and Policy Area 22: Buildings, Lands, Planning, Heritage Conservation, Greening and Landscape (Secretary for Development). |
| <b>Programme (3) Energy Efficiency and Conservation, and Alternative Energy</b> | This programme contributes to Policy Area 23: Environmental Protection, Conservation, Power and Sustainable Development (Secretary for Environment and Ecology).   |
| <b>Programme (4) Centralised Services and Special Support</b>                   | This programme contributes to Policy Area 27: Intra-Governmental Services (Secretary for Development).   |

Head 42 does not include expenses attributable to the Electrical and Mechanical Services Trading Fund (EMSTF) established in August 1996, other than EMSTF’s share of the common administrative expenses provided by the Electrical and Mechanical Services Department (EMSD). Such expenses will be reimbursed to the Government through General Revenue.

#### Detail

##### Programme (1): Energy Supply; Electrical, Gas and Nuclear Safety

|                           | 2023–24<br>(Actual) | 2024–25<br>(Original) | 2024–25<br>(Revised) | 2025–26<br>(Estimate)             |
|---------------------------|---------------------|-----------------------|----------------------|-----------------------------------|
| Financial provision (\$m) | 187.9               | 203.9                 | 209.1<br>(+2.6%)     | <b>218.0</b><br>(+4.3%)           |
|                           |                     |                       |                      | (or +6.9% on<br>2024–25 Original) |

#### Aim

**2** The aim is to safeguard the public through implementation of a set of comprehensive regulatory frameworks and systems on the safety of electrical and gas applications and work closely with the community on education, to monitor the operation of utility companies and development of electricity supply, and to provide professional support and advice on nuclear-related matters.

## Head 42 — ELECTRICAL AND MECHANICAL SERVICES DEPARTMENT

### *Brief Description*

3 For the regulatory functions, the Department is responsible for the administration and enforcement of the Electricity Ordinance (Cap. 406) (EO), the Gas Safety Ordinance (Cap. 51) (GSO) and the Oil (Conservation and Control) Ordinance (Cap. 264). The work includes:

#### *Gas safety*

- administration and enforcement of GSO, including registration of gas supply companies, installers and contractors; monitoring gas distributors and contractors; and approval and inspection of gas appliances, tubing and installations including those in maintenance workshops for liquefied petroleum gas (LPG) vehicles;
- risk assessment of potentially hazardous installations relating to gas supply and land use planning aspects;
- assessment, approval and monitoring of natural gas supply projects;
- enlistment of competent persons for maintenance of LPG vehicles and approval of fuel tank of LPG vehicles;
- approval and monitoring of the operation of LPG filling stations;
- investigation of gas incidents;
- initiating prosecution and taking disciplinary actions;
- promotion of gas safety;

#### *Electrical safety*

- administration and enforcement of EO, including registration of electrical workers, contractors and competent persons, recognised certification bodies, recognised manufacturers and generating facilities; and inspection of electrical installations and products;
- investigation of electrical incidents;
- initiating prosecution and taking disciplinary actions;
- promotion of electrical safety;

#### *Monitoring of electricity utilities (Scheme of Control Agreements)*

- annual auditing review of technical performance of electricity utilities;
- assessment of development plans submitted regularly by electricity utilities;
- provision of technical advice relating to monitoring of electricity utilities;

#### *Oil and gas supply*

- administration and enforcement of the Oil (Conservation and Control) Ordinance;
- compilation of statistics on oil and gas supply;

#### *Nuclear safety*

- reviewing and implementing departmental plans in preparedness for nuclear emergencies;
- responding immediately to initial alert, and interpreting and assessing engineering information received;
- planning and participating in exercises and drills in response to nuclear emergencies; and
- giving professional advice on matters relating to nuclear power and associated emergency preparedness.

4 The key performance measures are:

### *Targets*

|  | Target | 2023<br>(Actual) | 2024<br>(Actual) | 2025<br>(Plan) |
|--|--------|------------------|------------------|----------------|
| <i>Gas safety</i>  |        |                  |                  |                |
| registration of installers within<br>12 working days (%).....  | 100    | 100              | 100              | <b>100</b>     |
| registration of contractors within<br>38 working days (%).....   | 100    | 100              | 100              | <b>100</b>     |
| approval for construction of notifiable<br>gas installations (NGIs) within<br>30 working days (%)..... | 100    | 100              | 100              | <b>100</b>     |
| approval for use of NGIs within<br>12 working days (%).....  | 100    | 100              | 100              | <b>100</b>     |
| approval for use of equipment/materials<br>within 26 working days (%) .....                            | 100    | 100              | 100              | <b>100</b>     |

## Head 42 — ELECTRICAL AND MECHANICAL SERVICES DEPARTMENT

|  | Target | 2023<br>(Actual) | 2024<br>(Actual) | 2025<br>(Plan) |
|--|--------|------------------|------------------|----------------|
| scheduling and inspection of LPG road tankers and cylinder wagons within 18 working days (%).....  | 100    | 100              | 100              | <b>100</b>     |
| investigation of reports of illegal installations within ten working days (%).....   | 100    | 100              | 100              | <b>100</b>     |
| response to complaints of excessive storage of LPG within two working days (%).....  | 100    | 100              | 100              | <b>100</b>     |
| enlistment of competent persons for LPG installations/gasholders within 25 working days (%).....   | 100    | 100              | 100              | <b>100</b>     |
| <i>LPG vehicle safety</i>  |        |                  |                  |                |
| enlistment of competent persons for maintenance of fuel systems within 25 working days (%).....  | 100    | 100              | 100              | <b>100</b>     |
| approval for use of LPG fuel tanks in vehicles within 26 working days (%) .....  | 100    | 100              | 100              | <b>100</b>     |
| approval for construction of filling stations within 30 working days (%) .....   | 100    | 100              | 100              | <b>100</b>     |
| approval for use of filling stations within 12 working days (%).....   | 100    | 100              | 100              | <b>100</b>     |
| <i>Electrical safety</i>   |        |                  |                  |                |
| registration of electrical workers/contractors/competent persons within 13 working days (%).....   | 99     | 99               | 99               | <b>99</b>      |
| registration of generating facilities within 40 working days (%) .....   | 95     | 99               | 99               | <b>99</b>      |
| registration of recognised certification bodies and manufacturers within 17 working days (%).....  | 100    | 100              | 100              | <b>100</b>     |
| endorsement of testing certificate of electrical installations within 13 working days (%).....   | 99     | 100              | 99               | <b>99</b>      |
| investigation of incidents/complaints related to electrical installations/products within ten working days (%).....  | 100    | 100              | 100              | <b>100</b>     |
| <i>Monitoring of electricity utilities</i>   |        |                  |                  |                |
| conducting an annual technical performance audit on each of the two power companies under the Scheme of Control Agreements within 102 working days (%) ..... | 100    | 100              | 100              | <b>100</b>     |
| providing technical input in the financial auditing review of capital expenditure variances within 55 working days (%) ....                                  | 100    | 100              | 100              | <b>100</b>     |
| providing technical advice related to electricity utilities matters within 13 working days (%).....  | 100    | 100              | 100              | <b>100</b>     |

### *Nuclear safety*

The target is to ensure the availability of fully-trained and competent officers round the clock to provide immediate response to initial alerts, and to provide professional advice to the Government on matters relating to nuclear power and nuclear emergencies.

### *Indicators*

|   | 2023<br>(Actual) | 2024<br>(Actual) | 2025<br>(Estimate) |
|---|------------------|------------------|--------------------|
| <i>Gas safety</i>   |                  |                  |                    |
| audit inspections to gas supply companies, contractors and distributors ..... | 1 302            | 1 367            | <b>1 400</b>       |
| NGIs and related inspections .....  | 1 246            | 1 186            | <b>1 200</b>       |

## Head 42 — ELECTRICAL AND MECHANICAL SERVICES DEPARTMENT

|   | 2023<br>(Actual)   | 2024<br>(Actual)   | 2025<br>(Estimate)        |
|---|--------------------|--------------------|---------------------------|
| follow-up inspections and quality assurance visits .....  | 2 456 <sup>λ</sup> | 2 516 <sup>λ</sup> | <b>2 100<sup>λ</sup></b>  |
| applications processed for equipment approval and registration of gas contractors/installers .....                              | 128                | 211 <sup>δ</sup>   | <b>180<sup>δ</sup></b>    |
| LPG road tankers and cylinder wagons inspected .....  | 430                | 415                | <b>450</b>                |
| NGIs approved .....   | 23                 | 23                 | <b>22</b>                 |
| gas incidents investigated.....   | 315                | 291                | <b>300</b>                |
| prosecutions/disciplinary actions conducted/improvement notices served .....  | 59                 | 81 <sup>ε</sup>    | <b>80<sup>ε</sup></b>     |
| competent persons (for LPG installations/gasholders) enlistment applications processed .....                                    | 15 <sup>γ</sup>    | 9 <sup>γ</sup>     | <b>8<sup>γ</sup></b>      |
| enquiries/complaints handled.....   | 2 076              | 2 414              | <b>2 300</b>              |
| <i>LPG vehicle safety</i>   |                    |                    |                           |
| competent persons enlistment applications processed .....   | 6                  | 0 <sup>α</sup>     | <b>6<sup>α</sup></b>      |
| LPG fuel tanks in vehicles approved and revalidated.....  | 3 533              | 3 917              | <b>5 600<sup>#</sup></b>  |
| inspections of vehicles and filling stations (all before grant of approval).....  | 47                 | 23                 | <b>24</b>                 |
| inspections of approved filling stations.....   | 240                | 240                | <b>240</b>                |
| filling stations approved.....  | 5                  | 0 <sup>ρ</sup>     | <b>0<sup>ρ</sup></b>      |
| enquiries/complaints handled.....   | 963                | 983                | <b>950</b>                |
| <i>Electrical safety</i>  |                    |                    |                           |
| site inspections on electrical installations .....  | 8 581              | 8 593              | <b>8 500</b>              |
| site inspections on electrical products.....  | 3 910              | 3 920              | <b>3 900</b>              |
| electrical workers/contractors/competent persons registration applications processed (including renewals)....                   | 35 047             | 27 593             | <b>40 000<sup>Δ</sup></b> |
| generating facilities registration applications processed.....  | 4 228              | 4 008 <sup>◇</sup> | <b>3 800<sup>◇</sup></b>  |
| recognised certification bodies and manufacturers applications processed .....  | 17                 | 10                 | <b>10</b>                 |
| periodic testing certificates of electrical installations processed .....   | 12 767             | 12 316             | <b>12 000</b>             |
| reported electrical incidents investigated .....  | 524                | 595                | <b>550</b>                |
| reported unsafe electrical installations/products investigated.....   | 702                | 733                | <b>730</b>                |
| prosecutions/disciplinary actions conducted.....  | 263                | 380                | <b>380</b>                |
| electrical products tested.....   | 60                 | 60                 | <b>60</b>                 |
| enquiries handled .....   | 7 844              | 8 025              | <b>8 000</b>              |
| <i>Monitoring of electricity utilities</i>  |                    |                    |                           |
| technical indicators assessed in the annual auditing review to monitor the technical performance of electricity utilities ..... | 62                 | 62                 | <b>62</b>                 |
| projects assessed relating to technical input in the financial auditing review of capital expenditure variances .....           | 40                 | 40                 | <b>40</b>                 |
| enquiries handled .....   | 90                 | 91                 | <b>90</b>                 |
| <i>Nuclear safety</i>   |                    |                    |                           |
| technical co-operation or exchanges participated .....  | 3                  | 3                  | <b>3</b>                  |
| exercises and drills participated .....   | 2                  | 2                  | <b>2</b>                  |

- <sup>λ</sup> The increase in the numbers of follow-up inspections and quality assurance visits in 2023 and 2024 were due to a gas incident happened at a restaurant in August 2023. The number of inspections and visits in 2025 is expected to return to its normal level.
- <sup>δ</sup> The increase in the number of applications processed for equipment approval and registration of gas contractors/installers in 2024 was due to the resumption of Vocational Training Council training programme previously suspended due to the COVID-19 epidemic. The number of applications in 2025 is expected to return to its normal level.
- <sup>ε</sup> The increase in the number of prosecutions/disciplinary actions conducted/improvement notices served in 2024 was mainly due to stepping up of the enforcement actions against non-approved gas appliances and containers. The number of prosecutions/disciplinary actions/improvement notices in 2025 is expected to remain at a similar level as 2024.
- <sup>γ</sup> The large number of applications processed for enlistment as competent persons in 2023 was mainly driven by new biogas holder related projects such as the new organic waste treatment facilities and upgrading of sewage treatment works. The number of applications in 2025 is expected to remain at a similar level as 2024.

## Head 42 — ELECTRICAL AND MECHANICAL SERVICES DEPARTMENT

- α The decrease in the number of competent persons enlistment applications processed in 2024 was due to the sufficient number of competent persons available in the market and the postponement of relevant training courses from 2024 to 2025. The number of applications in 2025 is expected to return to a similar level as 2023.
- # The LPG taxi incentive scheme was launched in 2000. The number of LPG fuel tanks due for the fifth five-yearly revalidation is expected to increase in 2025.
- ρ The decrease in the number of filling stations approved in 2024 was due to the completion of renovation of all dedicated LPG filling stations as required by the new contracts in 2023. The number of filling stations approved in 2025 is expected to remain at the same level as 2024.
- Δ Registered electrical workers/contractors/competent persons are required to have their registration renewed every three years. In view of the uneven distribution of registrations for these persons, the estimate is based on the number of these persons with their registration to be expired in 2025.
- ◇ The decrease in the number of generating facilities registration applications processed in 2024 was due to fewer solar energy generating facilities installed under the Feed-in Tariff Scheme. The number of applications in 2025 is expected to continue to decrease.

### *Matters Requiring Special Attention in 2025–26*

5 During 2025–26, the Department will:

- continue to monitor the operation and maintenance of LPG storage installations;
- continue the stepped-up inspection of vehicle maintenance workshops in relation to LPG vehicles and education for the trades on gas safety measures;
- monitor the development and application of new refrigerants of low global warming potential in the air conditioning and refrigeration market, assist the Environment and Ecology Bureau in driving the industry on adoption of low global warming potential refrigerants and reclaimed refrigerants in a safe and practical manner and enforce the newly amended Ozone Layer Protection Ordinance (Cap. 403) in respect of safety controls on handling of hazardous refrigerants;
- provide technical support to the Environment and Ecology Bureau on matters relating to the use of hydrogen as fuel;
- amend GSO to cover the safe use of hydrogen as fuel in Hong Kong; and
- continue to provide technical support to the Environment and Ecology Bureau on matters relating to the future development of the electricity market and the implementation of the Scheme of Control Agreements.

### **Programme (2): Mechanical Installations Safety**

|                           | 2023–24<br>(Actual) | 2024–25<br>(Original) | 2024–25<br>(Revised) | 2025–26<br>(Estimate)             |
|---------------------------|---------------------|-----------------------|----------------------|-----------------------------------|
| Financial provision (\$m) | 920.8               | 1,031.6               | 1,036.0<br>(+0.4%)   | 1,053.4<br>(+1.7%)                |
|                           |                     |                       |                      | (or +2.1% on<br>2024–25 Original) |

### *Aim*

6 The aim is to safeguard the public through implementation of a set of comprehensive regulatory frameworks and systems on the safety of lifts, escalators, builders' lifts, tower working platforms, aerial ropeways, amusement rides, railways, tramway, peak tramway and other mechanical installations; and to work closely with the community on public education.

### *Brief Description*

7 The Department is responsible for the administration and enforcement of various safety ordinances, including the Lifts and Escalators Ordinance (Cap. 618) (LEO), the Amusement Rides (Safety) Ordinance (Cap. 449), the Aerial Ropeways (Safety) Ordinance (Cap. 211), the Builders' Lifts and Tower Working Platforms (Safety) Ordinance (Cap. 470), certain provisions of the Mass Transit Railway Ordinance (Cap. 556) and the Mass Transit Railway Regulations (Cap. 556A), the Airport Authority (Automated People Mover) (Safety) Regulation (Cap. 483C), the Tramway Ordinance (Cap. 107) and the Peak Tramway (Safety) Regulations (Cap. 265A). The Department is also responsible for the development and implementation of the voluntary registration schemes for vehicle mechanics and vehicle maintenance workshops. For ease of reference, the above activities, which are under different policy areas, are reported under this programme. The work includes:

- administration and enforcement of the above ordinances and regulations on mechanical safety and railway safety;
- registration of contractors, engineers, workers, examiners, surveyors and competent persons and inspection of installations;

## Head 42 — ELECTRICAL AND MECHANICAL SERVICES DEPARTMENT

- approval of design and construction of aerial ropeways, amusement rides, builders' lifts and tower working platforms, new brands/models of lift and escalator equipment, new railways and major railway modifications;
  - preparation of codes of practice;
  - investigation of incidents;
  - initiating prosecution and taking disciplinary actions;
  - implementation and improvement of the voluntary registration schemes for vehicle mechanics and vehicle maintenance workshops, particularly the inclusion of the maintenance of electric vehicles (EVs) in the voluntary registration schemes to accommodate the rising demand from the popularisation of EVs in Hong Kong; and
  - provision of expert advice.
- 8 The key performance measures are:

### *Targets*

|  | Target | 2023<br>(Actual) | 2024<br>(Actual) | 2025<br>(Plan) |
|--|--------|------------------|------------------|----------------|
| applications of new or major modified railway facilities/systems processed within 25 working days (%) .....    | 100Ω   | 100              | 100              | <b>100</b>     |
| registration of lift/escalator contractors within 40 working days (%) .....                                    | 100    | 100              | 100              | <b>100</b>     |
| lift/escalator engineers within 40 working days (%) .....  | 100    | 100              | 100              | <b>100</b>     |
| lift/escalator workers within 40 working days (%) .....  | 100    | 100              | 100              | <b>100</b>     |
| periodic testing certificates for lifts and escalators processed within 13 working days (%) .....              | 100    | 100              | 100              | <b>100</b>     |
| builders' lifts and tower working platforms processed within 12 working days (%) .....                         | 100    | 100              | 100              | <b>100</b>     |
| issue of permits to use for lifts and escalators within 13 working days (%) .....                              | 100    | 100              | 100              | <b>100</b>     |
| builders' lifts and tower working platforms within 12 working days (%) .....                                   | 100    | 100              | 100              | <b>100</b>     |
| amusement rides within 13 working days (%) .....   | 100    | 100              | 100              | <b>100</b>     |
| approval of design and construction of amusement rides (capacity ≤20 persons) within 34 working days (%) ..... | 100    | 100              | 100              | <b>100</b>     |
| amusement rides (capacity ≥21 persons) within 48 working days (%) .....  | 100    | 100              | 100              | <b>100</b>     |
| builders' lifts and tower working platforms within 34 working days (%) .....                                   | 100    | 100              | 100              | <b>100</b>     |

Ω The target is revised from 99 per cent to 100 per cent as from 2024.

### *Indicators*

|  | 2023<br>(Actual) | 2024<br>(Actual) | 2025<br>(Estimate) |
|--|------------------|------------------|--------------------|
| applications processed   |                  |                  |                    |
| new brands/models of lift and escalator equipment .....                      | 504              | 507              | <b>500</b>         |
| design and construction of builders' lifts and tower working platforms ..... | 43               | 29               | <b>30</b>          |
| new or major modified railway facilities/systems .....                       | 640              | 498β             | <b>498β</b>        |
| certificates processed   |                  |                  |                    |
| lifts and escalators .....   | 94 423           | 96 976           | <b>98 000</b>      |
| builders' lifts and tower working platforms .....                            | 245              | 227Φ             | <b>216</b>         |
| amusement rides .....  | 238              | 143§             | <b>180§</b>        |

## Head 42 — ELECTRICAL AND MECHANICAL SERVICES DEPARTMENT

|  | 2023<br>(Actual) | 2024<br>(Actual) | 2025<br>(Estimate)     |
|--|------------------|------------------|------------------------|
| inspections  |                  |                  |                        |
| lifts and escalators .....                                       | 29 508           | 30 078           | <b>30 000</b>          |
| percentage of existing lifts and escalators (%) .....            | 35.2             | 35.3             | <b>34.6</b>            |
| builders' lifts and tower working platforms .....                | 301              | 302              | <b>300</b>             |
| amusement rides .....  | 1 855            | 1 889            | <b>1 850</b>           |
| railway facilities/systems .....                                 | 478 <sup>η</sup> | 455 <sup>η</sup> | <b>455<sup>η</sup></b> |
| peak tramway .....   | 31               | 30               | <b>33</b>              |
| tramway .....  | 175              | 170              | <b>170</b>             |
| aerial ropeways .....  | 90               | 90               | <b>90</b>              |
| incidents investigated   |                  |                  |                        |
| lifts and escalators .....                                       | 276              | 276              | <b>276</b>             |
| aerial ropeways .....  | 1                | 2                | <b>1</b>               |
| amusement rides .....  | 16               | 16               | <b>16</b>              |
| peak tramway .....   | 1                | 1                | <b>1</b>               |
| tramway .....  | 9                | 22               | <b>22</b>              |
| railways .....   | 82               | 95               | <b>95</b>              |
| builders' lifts and tower working platforms,<br>and others ..... | 3                | 3                | <b>3</b>               |
| incidents/1 000 registered lifts .....                           | 4.8              | 4.4 <sup>ψ</sup> | <b>4.4<sup>ψ</sup></b> |
| incidents/100 registered escalators .....                        | 25.9             | 25.9             | <b>25.5</b>            |
| enquiries/complaints handled .....                               | 4 123            | 4 067            | <b>4 000</b>           |

β The decrease in the number of applications processed for new or major modified railway facilities/systems in 2024 was due to the decrease in the number of applications related to asset replacement works in MTR stations and new railway projects. The number of applications in 2025 is expected to remain at the same level as 2024.

Φ The number of certificates processed for builders' lifts and tower working platforms in 2024 falls within the normal fluctuation range observed in recent years.

§ The decrease in the number of certificates processed for amusement rides in 2024 was due to numerous public entertainment venues having their certificates processed in 2023 during the early stage of the post COVID-19 epidemic period. The number of certificates to be processed in 2025 is expected to return to its normal level.

η The increase in the number of inspections for railway facilities/systems in 2023 was due to the additional inspections in relation to the two major railway incidents in November and December 2022. The number of inspections in 2024 returned to its normal level. The number of inspections in 2025 is expected to remain at the same level as 2024.

ψ A downward trend was observed in the number of lift incidents/1 000 registered lifts in 2024. The number of lift incidents/1 000 registered lifts in 2025 is expected to remain at the same level as 2024.

### ***Matters Requiring Special Attention in 2025–26***

9 During 2025–26, the Department will continue to:

- monitor the operation and maintenance of the aerial ropeways of Ngong Ping 360 and Ocean Park, and amusement rides in Hong Kong Disneyland, Ocean Park and other venues;
- promote and administer the voluntary registration schemes for vehicle mechanics and vehicle maintenance workshops through stepping up inspection of both vehicle mechanics and vehicle maintenance workshops under the voluntary registration schemes; as well as examine the feasibility and formulate proposals on introducing a mandatory registration scheme for vehicle mechanics and vehicle maintenance workshops taking into account developments in the vehicle market;
- step up public education and publicity efforts to enhance the safety of lifts and escalators;
- carry out inspections of registered contractors' maintenance works for aged lifts and escalators;
- implement LEO and publicise the requirements to relevant stakeholders;
- promote the use of digital log-books for lifts and escalators;
- provide support to the Urban Renewal Authority for implementation of the Lift Modernisation Subsidy Scheme; and
- monitor the safety performance of railway service provided by the MTR Corporation Limited.

## Head 42 — ELECTRICAL AND MECHANICAL SERVICES DEPARTMENT

### Programme (3): Energy Efficiency and Conservation, and Alternative Energy

|                           | 2023–24<br>(Actual) | 2024–25<br>(Original) | 2024–25<br>(Revised) | 2025–26<br>(Estimate)              |
|---------------------------|---------------------|-----------------------|----------------------|------------------------------------|
| Financial provision (\$m) | 513.8               | 563.8                 | 474.3<br>(–15.9%)    | <b>441.8</b><br>(–6.9%)            |
|                           |                     |                       |                      | (or –21.6% on<br>2024–25 Original) |

#### *Aim*

**10** The aim is to promote energy efficiency and conservation and application of alternative energy.

#### *Brief Description*

**11** The Department is responsible for the development, promotion and implementation of energy efficiency and conservation; and providing professional support to the Government on the promotion and use of new and renewable energy. The work includes:

- administration and enforcement of the Energy Efficiency (Labelling of Products) Ordinance (Cap. 598);
- administration and enforcement of the Buildings Energy Efficiency Ordinance (Cap. 610) (BEEO);
- provision of professional support and advice to relevant bureaux and the Energy Advisory Committee on matters in relation to energy efficiency and conservation as well as adoption of renewable energy;
- planning for and implementation of district cooling systems;
- preparation and review of codes of practice and technical guidelines;
- development and implementation of energy saving, energy efficiency and conservation as well as renewable energy programmes and projects;
- research and development on application of innovative energy efficiency and renewable energy technologies;
- establishment and updating of the energy end-use database;
- promotion of public awareness and application of energy efficiency and conservation measures, equipment and systems and the use of renewable energy; and
- liaison with the Mainland, regional and international organisations such as the Asia-Pacific Economic Cooperation on energy-related issues.

**12** The key performance measures are:

#### *Targets*

|  | Target | 2023<br>(Actual) | 2024<br>(Actual) | 2025<br>(Plan) |
|--|--------|------------------|------------------|----------------|
| registration under the voluntary Energy Efficiency Labelling Scheme (EELS) within 17 working days (%) .....  | 99     | 100              | 100              | <b>99</b>      |
| processing of product submissions under the mandatory EELS within 17 working days (%).....   | 99     | 100              | 100              | <b>99</b>      |
| approval of applications under the voluntary water-cooled air-conditioning system scheme for the design or operation of the evaporative cooling towers within 17 working days (%)..... | 99     | 100              | 100              | <b>99</b>      |
| registration under the voluntary Energy Efficiency Registration Scheme for Buildings (EERSB) within 17 working days (%).....   | 99     | 100              | 100              | <b>99</b>      |
| annual updating of Hong Kong Energy End-use Database (% completed).....  | 100    | 100              | 100              | <b>100</b>     |
| registration of Registered Energy Assessors under the Mandatory Building Energy Code (BEC) Scheme within 40 working days (%) .....   | 99     | 100              | 100              | <b>99</b>      |



## Head 42 — ELECTRICAL AND MECHANICAL SERVICES DEPARTMENT

### Indicators

|   | 2023<br>(Actual) | 2024<br>(Actual)   | 2025<br>(Estimate) |
|---|------------------|--------------------|--------------------|
| <i>Mandatory EELS</i>   |                  |                    |                    |
| product submissions processed .....   | 828              | 2 016 <sup>μ</sup> | 1 600 <sup>μ</sup> |
| site inspections on prescribed products.....  | 704              | 701                | 700                |
| <i>Voluntary EELS</i>   |                  |                    |                    |
| energy labels developed .....   | 0                | 0                  | 2 <sup>¶</sup>     |
| energy labels implemented.....  | 0                | 0                  | 2 <sup>¶</sup>     |
| energy labels issued.....   | 99               | 81 <sup>‡</sup>    | 80 <sup>‡</sup>    |
| <i>Mandatory BEC Scheme</i>   |                  |                    |                    |
| sampling inspections for submissions relating to new buildings, major retrofitting works and energy audit ..... | 24               | 24                 | 24                 |
| sampling inspections of buildings.....  | 1 069            | 1 082              | 1 000              |
| <i>Voluntary EERSB</i>  |                  |                    |                    |
| certificate issued .....  | 20               | 38                 | 20                 |
| <i>Energy consumption study</i>   |                  |                    |                    |
| studies completed.....  | 1                | 1                  | 1                  |
| energy consumption indicators developed/updated .....   | 1                | 1                  | 1                  |
| <i>Voluntary water-cooled air-conditioning system scheme</i>  |                  |                    |                    |
| applications received and processed .....   | 46               | 38                 | 40                 |
| installations completed.....  | 33               | 28                 | 30                 |
| <i>Research and development on the application of innovative energy efficiency technologies</i>                 |                  |                    |                    |
| studies completed.....  | 3                | 3                  | 3                  |
| <i>Energy efficiency and conservation promotion</i>   |                  |                    |                    |
| talks delivered/visits organised for organisations/schools .....  | 470              | 394 <sup>^</sup>   | 370 <sup>^</sup>   |
| enquiries handled .....   | 5 045            | 4 171 <sup>^</sup> | 2 800 <sup>^</sup> |

<sup>μ</sup> The increase in the number of product submissions under the mandatory EELS in 2024 was due to the commencement of Phase IV of the mandatory EELS in 2023 and the new energy efficiency grading standards for refrigerating appliances, washing machines and storage type electric water heaters under the mandatory EELS in 2024. The number of product submissions in 2025 is expected to decrease after the full implementation of the Phase IV of the mandatory EELS.

<sup>¶</sup> Two new energy labels under the voluntary EELS are planned to be developed and implemented in 2025.

<sup>‡</sup> The decrease in the number of energy labels issued under the voluntary EELS in 2024 was due to the lower number of applications in 2024. The number of energy labels to be issued in 2025 is expected to be at a similar level as 2024.

<sup>^</sup> The decrease in the number of talks delivered/visits organised for organisations/schools and enquiries handled in 2024 was mainly due to the completion of the scheme “Solar Harvest” in 2024. The number of talks/visits and enquiries in 2025 is expected to further decrease due to the completion of the scheme “Green Schools 2.0 – Energy Smart” in 2025.

### Matters Requiring Special Attention in 2025–26

13 During 2025–26, the Department will:

- continue to implement the mandatory EELS including the full implementation of the new energy efficiency grading standards for refrigerating appliances, washing machines and storage type electric water heaters, and continue to implement the voluntary EELS;
- continue to implement BEEO including the statutory codes of practice, and to promote building energy efficiency among stakeholders in the built environment, and to take forward the proposed legislative amendments to BEEO;
- administer and promote the voluntary EERSB to encourage building energy efficiency that is above the statutory levels;
- continue the development of the existing and additional district cooling systems at the Kai Tak Development, continue the design and development of the district cooling systems in the Tung Chung New Town Extension (East) and Kwu Tung North New Development Area (NDA), and conduct feasibility studies on the provision of district cooling systems in other NDAs;

## Head 42 — ELECTRICAL AND MECHANICAL SERVICES DEPARTMENT

---

- continue research and development works on the application of new energy efficiency and renewable energy technologies;
- continue to promote public awareness of best practices in energy efficiency and conservation as well as renewable energy through publicity and public education programmes;
- continue to implement the Pilot Scheme on Building-Integrated Photovoltaics at the EMSD Headquarters to explore photovoltaic technology applications on the facades of government buildings;
- continue to provide technical advice and support to government bureaux and departments on energy saving through organising seminars, experience sharing workshops and other channels;
- continue to promote retro-commissioning to the relevant trades and professions;
- continue to promote and provide technical advice relating to the implementation of energy-saving measures in government and public venues;
- oversee energy saving projects and retro-commissioning projects in government buildings and facilities; and
- implement energy saving projects as appropriate in welfare non-government organisations.

### Programme (4): Centralised Services and Special Support

|                           | 2023–24<br>(Actual) | 2024–25<br>(Original) | 2024–25<br>(Revised) | <b>2025–26<br/>(Estimate)</b>     |
|---------------------------|---------------------|-----------------------|----------------------|-----------------------------------|
| Financial provision (\$m) | 131.0               | 133.3                 | 135.1<br>(+1.4%)     | <b>138.0</b><br>(+2.1%)           |
|                           |                     |                       |                      | (or +3.5% on<br>2024–25 Original) |

#### *Aim*

**14** The aim is to provide efficient and cost-effective centralised services and specialist support to other departments.

#### *Brief Description*

**15** The Department is responsible for providing common administrative support to EMSTF. The common administrative expenses shared by EMSTF will be reimbursed to the Government.

**16** The Department is also responsible for the regulatory control of fresh water cooling towers under the Public Health and Municipal Services Ordinance (Cap. 132).

## Head 42 — ELECTRICAL AND MECHANICAL SERVICES DEPARTMENT

### ANALYSIS OF FINANCIAL PROVISION

| Programme  | 2023–24<br>(Actual)<br>(\$m) | 2024–25<br>(Original)<br>(\$m) | 2024–25<br>(Revised)<br>(\$m) | 2025–26<br>(Estimate)<br>(\$m)            |
|--|------------------------------|--------------------------------|-------------------------------|---|
| (1) Energy Supply; Electrical, Gas and Nuclear Safety .....          | 187.9                        | 203.9                          | 209.1                         | <b>218.0</b>                              |
| (2) Mechanical Installations Safety .....                            | 920.8                        | 1,031.6                        | 1,036.0                       | <b>1,053.4</b>                            |
| (3) Energy Efficiency and Conservation, and Alternative Energy ..... | 513.8                        | 563.8                          | 474.3                         | <b>441.8</b>                              |
| (4) Centralised Services and Special Support.....                    | 131.0                        | 133.3                          | 135.1                         | <b>138.0</b>                              |
|  | 1,753.5                      | 1,932.6                        | 1,854.5<br>(–4.0%)            | <b>1,851.2</b><br>(–0.2%)                 |
|  |                              |                                |                               | <b>(or –4.2% on<br/>2024–25 Original)</b> |

#### Analysis of Financial and Staffing Provision

##### Programme (1)

Provision for 2025–26 is \$8.9 million (4.3%) higher than the revised estimate for 2024–25. This is mainly due to the increased provision for operating expenses.

##### Programme (2)

Provision for 2025–26 is \$17.4 million (1.7%) higher than the revised estimate for 2024–25. This is mainly due to the increased cash flow requirement for the non-recurrent item for the Lift Modernisation Subsidy Scheme, partly offset by the decreased provision for operating expenses. There will be a net decrease of two posts in 2025–26.

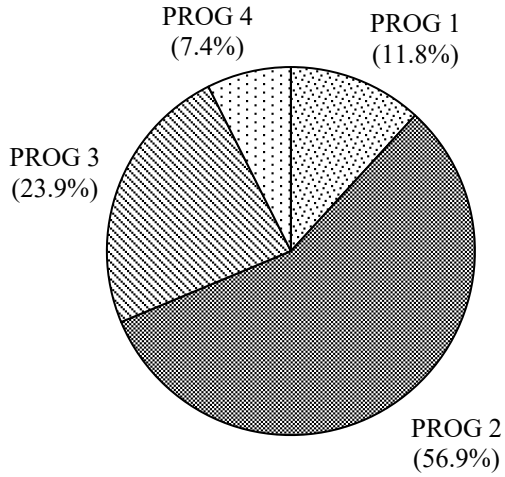
##### Programme (3)

Provision for 2025–26 is \$32.5 million (6.9%) lower than the revised estimate for 2024–25. This is mainly due to the decreased cash flow requirement for procurement/replacement of plant and equipment, partly offset by the increased provisions for the recurrent consequence of the development of the district cooling systems at the Kai Tak Development and other operating expenses. There will be a net decrease of six posts in 2025–26.

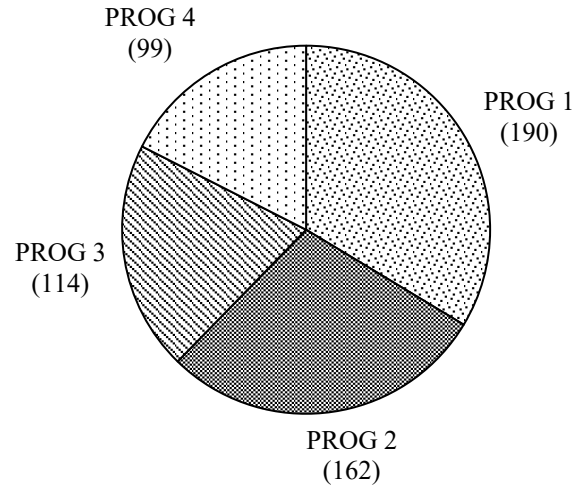
##### Programme (4)

Provision for 2025–26 is \$2.9 million (2.1%) higher than the revised estimate for 2024–25. This is mainly due to the increased provision for operating expenses.

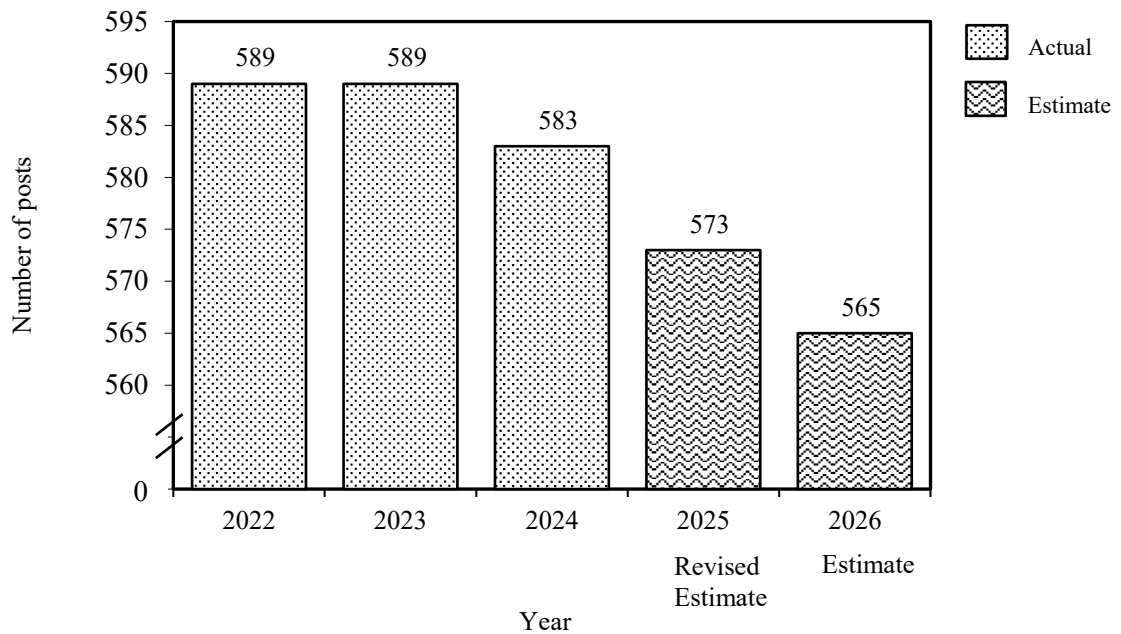
*Allocation of provision to programmes (2025-26)*



*Staff by programme (as at 31 March 2026)*



*Changes in the size of the establishment (as at 31 March)*



**Head 42 — ELECTRICAL AND MECHANICAL SERVICES DEPARTMENT**

---

| Sub-head<br>(Code)         | Actual<br>expenditure<br>2023–24                                     | Approved<br>estimate<br>2024–25 | Revised<br>estimate<br>2024–25 | Estimate<br>2025–26     |                                |
|----------------------------|--|---------------------------------|--------------------------------|-------------------------|--------------------------------|
|                            | \$'000   | \$'000                          | \$'000                         | \$'000                  |                                |
| <b>Operating Account</b>   |  |                                 |                                |                         |                                |
| Recurrent                  |  |                                 |                                |                         |                                |
| 000                        | Operational expenses .....   | 716,007                         | 756,746                        | 763,707                 | <b>819,833</b>                 |
|                            | Total, Recurrent .....   | <u>716,007</u>                  | <u>756,746</u>                 | <u>763,707</u>          | <u><b>819,833</b></u>          |
| Non-Recurrent              |  |                                 |                                |                         |                                |
| 700                        | General non-recurrent .....  | 747,699                         | 862,842                        | 862,842                 | <b>885,333</b>                 |
|                            | Total, Non-Recurrent .....   | <u>747,699</u>                  | <u>862,842</u>                 | <u>862,842</u>          | <u><b>885,333</b></u>          |
|                            | Total, Operating Account .....                                       | <u>1,463,706</u>                | <u>1,619,588</u>               | <u>1,626,549</u>        | <u><b>1,705,166</b></u>        |
| <b>Capital Account</b>     |  |                                 |                                |                         |                                |
| Plant, Equipment and Works |  |                                 |                                |                         |                                |
| 661                        | Minor plant, vehicles and equipment (block<br>vote) .....            | 177,936                         | 193,000                        | 113,000                 | <b>46,000</b>                  |
| 696                        | Energy saving projects in government buildings<br>(block vote) ..... | 111,834                         | 120,000                        | 115,000                 | <b>100,000</b>                 |
|                            | Total, Plant, Equipment and Works .....                              | <u>289,770</u>                  | <u>313,000</u>                 | <u>228,000</u>          | <u><b>146,000</b></u>          |
|                            | Total, Capital Account .....   | <u>289,770</u>                  | <u>313,000</u>                 | <u>228,000</u>          | <u><b>146,000</b></u>          |
|                            | Total Expenditure .....  | <u><u>1,753,476</u></u>         | <u><u>1,932,588</u></u>        | <u><u>1,854,549</u></u> | <u><u><b>1,851,166</b></u></u> |

## Head 42 — ELECTRICAL AND MECHANICAL SERVICES DEPARTMENT

### Details of Expenditure by Subhead

The estimate of the amount required in 2025–26 for the salaries and expenses of the Electrical and Mechanical Services Department is \$1,851,166,000. This represents a decrease of \$3,383,000 against the revised estimate for 2024–25 and an increase of \$97,690,000 over the actual expenditure in 2023–24.

#### Operating Account

##### Recurrent

**2** Provision of \$819,833,000 under *Subhead 000 Operational expenses* is for the salaries, allowances and other operating expenses of the Electrical and Mechanical Services Department.

**3** The establishment as at 31 March 2025 will be 573 posts. It is expected that there will be a net decrease of eight posts in 2025–26. Subject to certain conditions, the controlling officer may under delegated power create or delete non-directorate posts during 2025–26, but the notional annual mid-point salary value of all such posts must not exceed \$449,277,000.

**4** An analysis of the financial provision under *Subhead 000 Operational expenses* is as follows:

|  | 2023–24<br>(Actual)<br>(\$'000) | 2024–25<br>(Original)<br>(\$'000) | 2024–25<br>(Revised)<br>(\$'000) | 2025–26<br>(Estimate)<br>(\$'000) |
|--|---------------------------------|-----------------------------------|----------------------------------|-----------------------------------|
| Personal Emoluments                                  |                                 |                                   |                                  |                                   |
| - Salaries .....                                     | 498,607                         | 506,241                           | 520,141                          | 514,556                           |
| - Allowances .....                                   | 5,927                           | 7,143                             | 6,370                            | 6,592                             |
| - Job-related allowances.....                        | 23                              | —                                 | —                                | —                                 |
| Personnel Related Expenses                           |                                 |                                   |                                  |                                   |
| - Mandatory Provident Fund<br>contribution .....     | 910                             | 591                               | 649                              | 467                               |
| - Civil Service Provident Fund<br>contribution ..... | 44,638                          | 50,707                            | 51,232                           | 55,909                            |
| Departmental Expenses                                |                                 |                                   |                                  |                                   |
| - General departmental expenses .....                | 165,902                         | 192,064                           | 185,315                          | 242,309                           |
|  | 716,007                         | 756,746                           | 763,707                          | 819,833                           |

#### Capital Account

##### Plant, Equipment and Works

**5** Provision of \$46 million under *Subhead 661 Minor plant, vehicles and equipment (block vote)* represents a decrease of \$67 million (59.3%) against the revised estimate for 2024–25. This is mainly due to the completion of the final batch of energy saving retrofit works under the “Green Schools 2.0 – Energy Smart” programme.

**6** Provision of \$100 million under *Subhead 696 Energy saving projects in government buildings (block vote)* is for acquisition and replacement of plant and equipment for government buildings for the purpose of energy saving, up to a limit of \$10 million for each project. The decrease of \$15 million (13.0%) against the revised estimate for 2024–25 is mainly due to the decreased cash flow requirement for the energy saving projects in government buildings.

## Head 42 — ELECTRICAL AND MECHANICAL SERVICES DEPARTMENT

### Commitments

| Sub-head<br>(Code)              | Item<br>(Code) | Ambit                                   | Approved<br>commitment | Accumulated<br>expenditure<br>to 31.3.2024 | Revised<br>estimated<br>expenditure<br>for 2024–25 | Balance        |
|---------------------------------|----------------|---|------------------------|--|--|----------------|
|                                 |                |   | \$'000                 | \$'000                                     | \$'000   | \$'000         |
| <b><i>Operating Account</i></b> |                |   |                        |  |  |                |
| 700                             |                | <i>General non-recurrent</i>            |                        |  |  |                |
|                                 | 807            | Lift Modernisation Subsidy Scheme ..... | 4,508,400              | 2,760,225                                  | 862,842  | 885,333        |
|                                 |                | Total .....                             | <u>4,508,400</u>       | <u>2,760,225</u>                           | <u>862,842</u>                                     | <u>885,333</u> |