

CHIEF MINISTER, TREASURY AND ECONOMIC DEVELOPMENT DIRECTORATE

CHIEF MINISTER

ABOUT THE DIRECTORATE

The Chief Minister, Treasury and Economic Development Directorate (CMTEDD) provides strategic advice and support to the Chief Minister, the Directorate's Ministers and the Cabinet on policy, economic and financial matters, service delivery, whole of government issues and intergovernmental relations. As a central agency, CMTEDD leads the strategic direction for the ACT Public Service (ACTPS) and works collaboratively to implement government priorities and drive initiatives, to ensure that it is well positioned to meet the needs of the Canberra community.

The Chief Minister (CM) stream includes Access Canberra, Communications, Corporate, Enterprise Canberra, the Office of the Chief Digital Officer, Policy and Cabinet, Strategic Finance and Workforce Capability and Governance with staff working across 14 office locations.

CMTEDD monitors the stationary energy use (electricity and gas) in all facilities. Energy use by CM stream represents around 1.2% of the ACT Government electricity and gas use respectively in Q1 2017-18. High energy use sites of CM stream include the Canberra Nara Centre (Nara), 255 Canberra Avenue, Dickson Motor Vehicle Registry (DMVR), Macarthur House, and Callam Offices. Throughout 2017, CMTEDD underwent major office accommodation relocation, with Access Canberra have relocating from Callam Offices, 255 Canberra Avenue, Woden Library, DMVR and Macarthur House to other office locations, and new locations such as the Cosmopolitan Centre in Woden, and the opening of Hume Motor Vehicle Inspection Station in early 2017. Relocation of CMTEDD offices throughout 2017 creates uncertainties of energy use forecast during the transition period.

For 2017-18, the CMTEDD Chief Minister stream set an energy target of 25% reduction in electricity and 1% reduction in gas use compared to 2016 annual consumption level.

KEY PERFORMANCE INDICATORS

- > For electricity and natural gas consumption, the energy KPIs for CM stream are (i) average energy use per office floor area (GJ/m²) and (ii) average energy use per FTE (GJ/FTE).
- > Increased office floor area will generally increase energy demand for lighting and electrical equipment and appliances. Since some of the CMTEDD offices have changed to Activity Based Workplace (ABW) environment that accommodate more staff and ICT equipment, this change may contribute to higher energy use per floor area.
- > Increased number of staff (FTEs) will generally increase energy demand for ICT equipment.
- > CMTEDD also reports base building energy use of Canberra Nara Centre (Nara), Winyu House (Winyu), and other government owned facilities. Base building energy use includes powering for heating, ventilation and air conditioning (HVAC) system, lifts operation, lighting and electric equipment or appliances in kitchens, bathrooms, toilets and common areas.
- > Canberra Nara Centre and Winyu House has achieved NABERS base building energy rating 4.5 stars and 5 stars respectively in 2017.

COMMENTS ON THIS QUARTER

- > Chief Minister stream is **On Track** to meet the energy reduction targets in 2017-18.
- > Consolidation of Access Canberra offices and relocation to more energy efficient buildings (Cosmopolitan Centre, Winyu House) has reduced overall electricity and gas use by Access Canberra.
- > LED lighting upgrade is completed at Access Canberra Tuggeranong shopfront in November 2017 and is expected to reduce annual electricity use by 10%.
- > For Canberra Nara Centre, energy efficiency initiatives (e.g. basement LED upgrade, installation of light sensor, refinement of HVAC system) has further reduced energy use for both base building and tenancy areas. The Nara Building Management Committee (BMC) facilitates CMTEDD to work collaboratively with building owner to improve sustainability performance of the facility.

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COMMENTS

ACHIEVEMENTS

- > Chief Minister (CM) Stream has achieved an overall 30% reduction in electricity and a 16% reduction in gas use, but 4.3% increase in fuel use in Q1 2017-18.
- > Canberra Nara Centre has reduced energy use by 16% resulted from various energy efficiency initiatives.
- > Consolidation of office locations has resulted a 23% reduction of energy use by Access Canberra.

UNCERTAINTIES/CONSTRAINTS

- > Relocation of CMTEDD offices throughout 2016-17 creates uncertainties of energy use forecast during transition period.
- > Impact of weather on heating and cooling requirements.

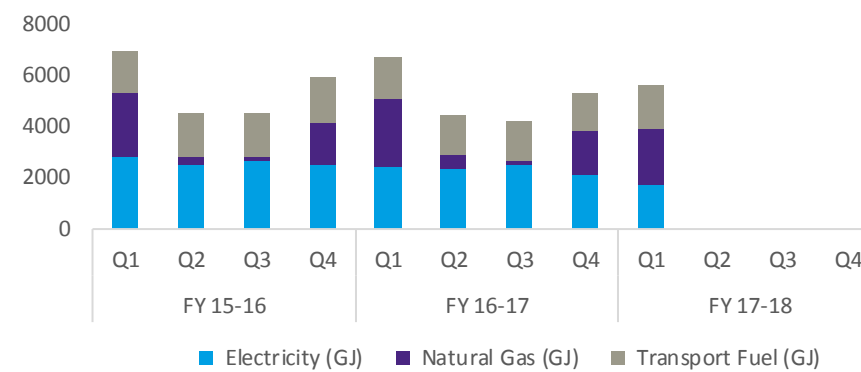
FOCUS AREAS/OPPORTUNITIES

- > Investigate energy efficiency initiatives for government owned assets or locations with long term lease.
- > Review CMTEDD fleet strategy to reduce fuel emission in the long run.
- > Continue to complete office relocations on time and in an efficient manner.

DATA EXTRACTED

23/04/2018

3 YEAR ENERGY CONSUMPTION PROFILE



QUARTERLY ENERGY CONSUMPTION

	Q1 17-18	Difference*	tCO ₂ -e [^]
Electricity (GJ)	1,710	-29.9%	204
Gas (GJ)	2,208	-16.0%	114
Fuel (GJ)	1,708	4.3%	120
Total energy (GJ)	5,626	-16.1%	438

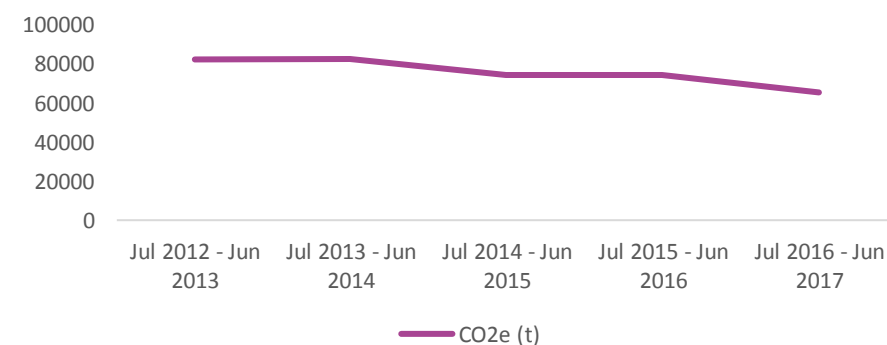
* Compared to the same period previous year
[^] Related to current reporting period

FINANCIAL YEAR TO DATE ENERGY CONSUMPTION

	YTD 17-18	Difference*	tCO ₂ -e [^]
Electricity (GJ)	1,710	-29.9%	204
Gas (GJ)	2,208	-16.0%	114
Fuel (GJ)	1,708	4.3%	120
Total energy (GJ)	5,626	-16.1%	438

* Compared to the same period previous year
[^] Related to current reporting period

EMISSIONS PROFILE SINCE 2012-13



DG INDICATOR

Q1 2017-18

(July to September 2017)

A 25% reduction in electricity and 1% reduction in gas energy reduction target, ensuring the effective internal governance of energy performance reporting.

DIRECTORATE KPI'S

KPI'S ⁺	Q1 16-17	Q1 17-18	Difference
GJ/m ²	0.31	0.18	-40.7%
GJ/FTE	5.15	4.26	-17.2%

Note: Electricity and Natural gas only. Floor area (m²) and FTEs are the figures as of end of September and adjusted with the current administrative structure.

FINANCIAL YEAR TO DATE ENERGY CONSUMPTION AT FOCUS SITES

Location	Energy (GJ) [#]	Difference*	tCO ₂ -e [^]
Canberra Nara Centre	1,044	-16.1%	80
Hume Motor Vehicle Inspection Station	702	--	43
Dickson Motor Vehicle Registry	500	-45.9%	44
255 Canberra Avenue	411	-67%	30
Macarthur House	369	-6.1%	32
Cosmopolitan Centre	136	--	16

Electricity and Natural gas only
 * Compared to financial year to date 2016-17
[^] Related to current reporting period

FINANCIAL YEAR TO DATE ENERGY CONSUMPTION BY BUSINESS UNIT

Location	Energy (GJ) [#]	Difference*	tCO ₂ -e [^]
Access Canberra	2,806	-23.1%	230
Nara (CM Stream)	1,044	-16.1%	80
Other	68	-61.9%	8

Electricity and Natural gas only
 * Compared to financial year to date 2016-17
[^] Related to current reporting period
 Note: Multiple business units of CM stream and Treasury stream co-locate in the Canberra Nara Centre (Nara).