

ENVIRONMENT, PLANNING AND SUSTAINABLE DEVELOPMENT DIRECTORATE

ABOUT THE DIRECTORATE

The Environment, Planning and Sustainable Development Directorate (EPSDD) aims to lead the nation in achieving sustainable outcomes; to be a 'liveable and sustainable city'. The Directorate is responsible for developing and implementing a wide range of policies and programs across city planning and development, climate change and the environment. The Environment Division is responsible for heritage, conservation research, nature conservation policy, catchment management and water policy and environment protection policy, and includes the ACT Parks and Conservation Service. The Climate Change and Sustainability Division is responsible for delivering 100% renewable electricity by 2020, carbon neutrality by 2050 at the latest, and climate adaptation actions. The ACTSmart program, Energy Efficiency Improvement Scheme and Carbon Neutral Government programs deliver on-the-ground energy savings. The Suburban Land Agency is responsible for delivering the ACT Government's suburban development program, including urban renewal in established town centres and suburbs. This comprises releases for residential, commercial, industrial, mixed use and community purposes. The Land Supply and Policy Division is responsible for land development projects including affordable housing, land economics, land strategy and policy and building policy. The Planning Delivery Division administers the Territory Plan in terms of planning approval, leasing and deed management and environmental impact statements. This Division includes the Office of the Surveyor-General and Land Information. The Planning Policy Division is responsible for the Territory Plan, strategic planning, civil infrastructure planning and major projects. The Urban Renewal Division includes the Asbestos Response Taskforce and the Public Housing Renewal Taskforce as well as strategic projects and infrastructure, and urban projects. The division is responsible for driving the ACT Government's urban renewal agenda by supporting major projects that aim to improve the liveability of our city and through the delivery of the Public Housing Renewal Program, Asset Recycling Initiative and Loose-fill Asbestos Insulation Eradication Scheme. The City Renewal Authority is leading the transformation of the city renewal precinct, which spans Dickson, Northbourne Avenue, Haig Park, Civic and West Basin.

KEY PERFORMANCE INDICATORS

EPSDD set itself a target of a 3% reduction in electricity consumption for 2017-18. This is estimated to reduce carbon emissions by 2.8% compared with emissions at 1 July 2017. This reduction was expected to come from the consolidation of staff in Dame Pattie Menzies House by the end of 2017 and would result in reduced overall heating load in winter which is the greatest driver of energy consumption. The target is subject to seasonal weather variations and climate change.

EPSDD manages a large number of assets through the Environment Division and Suburban Land Agency as well as having its staff in a large number of buildings throughout the ACT for either operational reasons or due to the cost of moving staff following administrative arrangement changes. It is expected that staff currently located at Dame Pattie Menzies House, 221 London Circuit and 470 Northbourne Avenue will move to a new location in Dickson in 2020.

EPSDD has identified five Key Performance Indicators for 2017-18:

- Introduce energy efficient LED lighting to ACT Government-owned locations
- Review out of hours office use particularly at Dame Pattie Menzies House
- Improve metering to monitor energy use
- Actively manage heating and cooling systems at all sites to minimise energy
- Communicate energy efficiency programs to staff and contractors new to EPSDD, as well as to EPSDD's stakeholders and wider community.

COMMENTS ON THIS QUARTER

Year to date electricity consumption is 6.5% higher than for the same period of 2016-17. Electricity consumption increased at Dame Pattie Menzies House and decreased at Stromlo Depot, Tidbinbilla Depot and Namadgi Visitors Centre. Consistently high temperatures in December 2017 (10th-24th) resulted in increased demand for air conditioning in all occupied buildings.

The Office for the Commissioner for Sustainability and the Environment relocated from Macarthur House to CIT Bruce in October 2017. Some staff from Dame Pattie Menzies House were temporarily located at Macarthur House between September and November 2017 which is a less energy efficient building. The City Renewal Authority was permanently moved from 470 Northbourne Avenue to the Canberra Nara Centre.

Transport fuel consumption remained steady between Q1 and Q2.

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COMMENTS

ACHIEVEMENTS

There was a significant reduction in electricity usage at both Tidbinbilla Depot and Stromlo Depot compared with last year. These can be attributed to energy efficiency measures put in place earlier in the year.

A new Hybrid Corolla replaced a petrol Mazda 3 in the Suburban Land Agency.

UNCERTAINTIES/CONSTRAINTS

EPSDD were located at an additional location to support the fitout of Dame Pattie Menzies House and assist with the relocation of the Access Canberra call centre from Macarthur House. Staff were temporarily located at Macarthur House for two months, mid-September to mid-November 2017, while the City Renewal Authority was permanently moved to the Canberra Nara Centre. The energy consumption associated with these additional sites has impacted on the annual comparisons.

FOCUS AREAS/OPPORTUNITIES

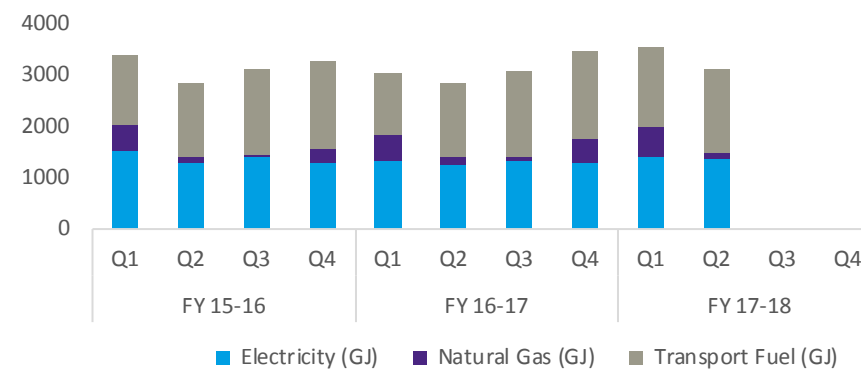
EPSDD is currently providing input into the design for the new government building in Dickson. Early consultation on the new facility will support achieving emission reduction targets with a range of business requirements being incorporated, including electric vehicle charging points and end of trip facilities to support active travel.

There is currently a high level of demand and under supply of electric vehicles (EV) in the market. Procurement will list all EV models available to order through each bulk vehicle order.

DATA EXTRACTED

10/04/2018

3 YEAR ENERGY CONSUMPTION PROFILE



QUARTERLY ENERGY CONSUMPTION

	Q2 17-18	Difference*	tCO ₂ -e [^]
Electricity (GJ)	1,360	7.8%	162
Gas (GJ)	136	5.6%	7
Fuel (GJ)	1,610	9.7%	113
Total energy (GJ)	3,105	8.7%	283

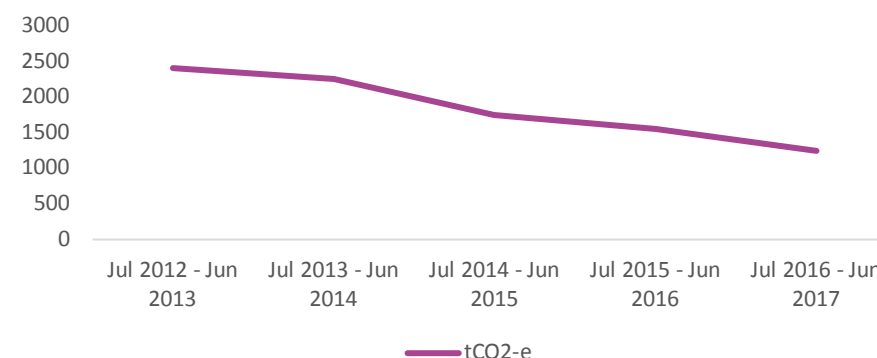
* Compared to the same period previous year
^ Related to current reporting period

FINANCIAL YEAR TO DATE ENERGY CONSUMPTION

	YTD 17-18	Difference*	tCO ₂ -e [^]
Electricity (GJ)	2,749	6.1%	328
Gas (GJ)	746	16.9%	38
Fuel (GJ)	3,136	17.4%	221
Total energy (GJ)	6,631	12.4%	587

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

EMISSIONS PROFILE SINCE 2012-13



DG INDICATOR

Q2 2017-18

(October to December 2017)

A 3% electricity reduction target and ensuring the effective internal governance of energy performance reporting.

DIRECTORATE KPI'S

KPI'S

- Introduce energy efficient LED lighting to all ACT Government-owned locations
- Improve metering to monitor energy use
- Review out of hours office use particularly at Dame Pattie Menzies House
- Communicate energy efficiency programs to staff and contractors new to EPSDD, as well as to EPSDD's stakeholders and wider community
- Actively manage heating and cooling systems at all sites to minimise energy

FINANCIAL YEAR TO DATE ENERGY CONSUMPTION AT FOCUS SITES

Location	Energy (GJ) [#]	Difference*	tCO ₂ -e [^]
Dame Pattie Menzies House	1,277	2.9%	112
470 Northbourne Avenue	291	-15.6%	35
Stromlo Depot	264	-6.2%	30
Namadgi Visitors Centre	176	1.6%	21
Tidbinbilla Depot	162	-7.1%	19

[#] 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

Business Unit	Energy (GJ) [#]	Difference*	tCO ₂ -e [^]
Dame Pattie Menzies House & Macarthur House (temporary)	1,436	15.7%	128
Parks & Conservation	1,330	-7.0%	157
Suburban Land Agency	433	5.1%	53
City Renewal Authority	120	-	10
Asbestos Response Taskforce	124	3.2%	15
Office for the Commissioner for Sustainability and the Environment	51	260%	5

[#] Electricity and Natural gas only

* Compared to financial year to date 2016-17

[^] Related to current reporting period