

# 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

Electricity and gas consumption was lower in Q3 2017-18 than Q3 2016-17, due to both electricity efficiency improvements and a mild autumn which reduced heating requirements in office buildings.

Transport fuel use increased in Q3 compared with previous quarters, in response to increased operational demand. Due to an increase in vegetation growth in summer, the Suburban Land Agency vehicles spend more time on site more actively managing landscape contractors of their estates and increase their monitoring of SLA sites in bushfire prone areas. Use of some Parks and Conservation Service vehicles also increases for similar reasons.

Consumption by EPSDD comprised 1.2% of total ACT Government operations energy consumption in Q3 2017-18.

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## COMMENTS

### ACHIEVEMENTS

One petrol passenger vehicle was retired from the Asbestos Response Taskforce fleet in this quarter.

A warmer than usual March resulted in lower gas consumption for heating than in Q3 of previous years

### UNCERTAINTIES/CONSTRAINTS

The Suburban Land Agency accepted management of Macarthur House in Q3 which was a considerable user of energy. This process is part of the machinery of government and emissions associated with these are unavoidable for EPSDD.

The Office of the Commissioner for Sustainability and the Environment (OCSE) have relocated to CIT Bruce campus where their energy use comprises <1% so they will no longer be reported separately.

A large amount of the reduction in electricity consumption this quarter is attributed to a reallocation of floor area between directorates at 470 Northbourne Avenue.

Increased operational demand on some vehicles of the Parks and Conservation Service and Conservation Planning and Research contributed to the increase in transport fuel consumption.

### FOCUS AREAS/OPPORTUNITIES

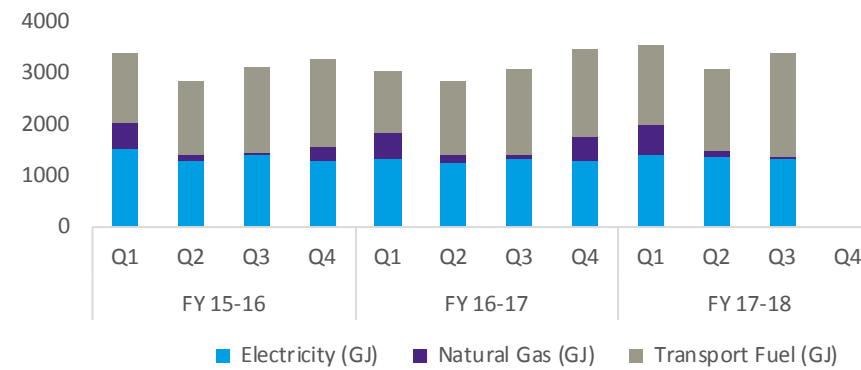
EPSDD fleet vehicles continue to be a focus for energy reduction.

Parks and Conservation Service facilities remain a source of possible electricity consumption reduction and energy efficient options will replace equipment that reaches the end of its useful life.

### DATA EXTRACTED

01/06/2018

### 3 YEAR ENERGY CONSUMPTION PROFILE



### QUARTERLY ENERGY CONSUMPTION

	Q3 17-18	Difference*	tCO <sub>2</sub> -e <sup>^</sup>
Electricity (GJ)	1,320	-15.2%	158
Gas (GJ)	54	-11.1%	3
Fuel (GJ)	2,016	18.4%	142
<b>Total energy (GJ)</b>	<b>3,390</b>	<b>9.5%</b>	<b>302</b>

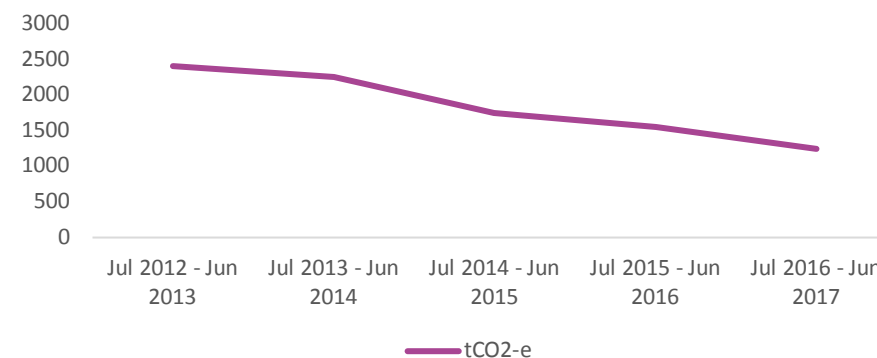
\* Compared to the same period previous year  
^ Related to current reporting period

### FINANCIAL YEAR TO DATE ENERGY CONSUMPTION

	YTD 17-18	Difference*	tCO <sub>2</sub> -e <sup>^</sup>
Electricity (GJ)	4,069	3.7%	486
Gas (GJ)	800	14.5%	41
Fuel (GJ)	5,152	17.8%	363
<b>Total energy (GJ)</b>	<b>10,021</b>	<b>11.4%</b>	<b>890</b>

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

### EMISSIONS PROFILE SINCE 2012-13



## DG INDICATOR

### Quarter 3 2017-18

(January to March 2018)

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) <sup>#</sup>	Difference*	tCO <sub>2</sub> -e <sup>^</sup>
Dame Pattie Menzies House	1,736	0.1%	165
Stromlo Depot	390	-5.0%	44
470 Northbourne Avenue	388	-22.6%	46
Tidbinbilla Depot	251	-5.9%	30
Namadgi Visitors Centre	248	2.5%	30

<sup>#</sup> Electricity and Natural Gas only

\* Compared to financial year to date 2016-17

<sup>^</sup> Related to current reporting period

### FINANCIAL YEAR TO DATE ENERGY CONSUMPTION BY BUSINESS UNIT

Business Unit	Energy (GJ) <sup>#</sup>	Difference*	tCO <sub>2</sub> -e <sup>^</sup>
Dame Pattie Menzies House & other sites	2,033	1.6%	197
Parks & Conservation	1,791	0.9%	211
Suburban Land Agency	654	3.6%	78
Asbestos Response Taskforce	186	4.0%	22
City Renewal Authority	155	n/a	14

<sup>#</sup> Electricity and Natural Gas only

\* Compared to financial year to date 2016-17

<sup>^</sup> Related to current reporting period