

# 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 joined EPSDD from 1 July 2017 and 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 joined EPSDD from 1 July 2017 and 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 joined EPSDD from 1 July 2017 and 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 all 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

The report shows the need to focus on reducing fuel and gas usage, and in particular promoting lower energy consumption across the directorate including at the Parks and Conservation Service depots and visitors centres.

Taking a longer term perspective, EPSDD's energy performance over the past three years is steadily trending down. Q1 2017-18 is below Q1 2015-16 (base year) and September 2016 consumption.

Dame Pattie Menzies House continues to be the main user of energy, consuming 41.7% of overall energy.

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## COMMENTS

### ACHIEVEMENTS

The Parks and Conservation Service (PCS) Stromlo Depot, one of the main PCS sites, achieved a 2% reduction in energy consumption compared with Q1 2016-17.

### UNCERTAINTIES/CONSTRAINTS

Fuel usage increase of 27% is partly explained by an 11% increase in fleet vehicles (ie 16 additional vehicles). That is, EPSDD's 163 vehicle fleet as at 30 September 2017 included increases of nine vehicles due to Machinery of Government (MOG) changes: Asbestos Response Taskforce (3 vehicles), Suburban Land Agency (5 vehicles) and the Public Housing Renewal Taskforce (1 vehicle); and an additional seven vehicles for PCS. PCS also had a significant number of its own staff and equipment involved in the 2017 Kangaroo Management Program, increasing fuel usage.

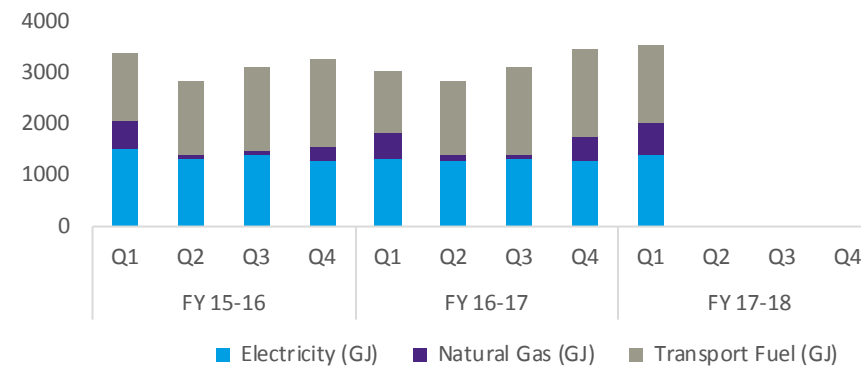
### FOCUS AREAS/OPPORTUNITIES

Fuel use, in particular the increase of 27% between Q1 2017-18 compared with Q1 2016-17, is expected to be improved through the use of more efficient vehicles associated with ACT Government bulk vehicle orders and a Directorate wide awareness campaign

### DATA EXTRACTED

06/04/2018

### 3 YEAR ENERGY CONSUMPTION PROFILE



### QUARTERLY ENERGY CONSUMPTION

	Q1 17-18	Difference*	tCO <sub>2</sub> -e <sup>^</sup>
Electricity (GJ)	1,399	5.3%	167
Gas (GJ)	610	19.9%	31
Fuel (GJ)	1,526	26.9%	107
<b>Total energy (GJ)</b>	<b>3,536</b>	<b>16.3%</b>	<b>306</b>

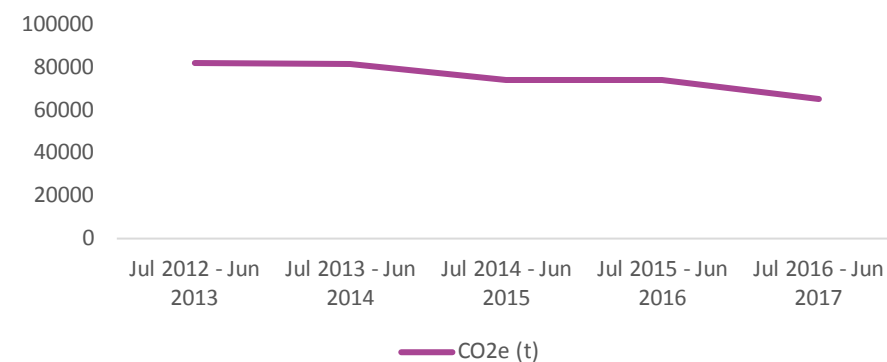
\* Compared to the same period previous year  
<sup>^</sup> Related to current reporting period

### FINANCIAL YEAR TO DATE ENERGY CONSUMPTION

	YTD 17-18	Difference*	tCO <sub>2</sub> -e <sup>^</sup>
Electricity (GJ)	1,399	5.3%	167
Gas (GJ)	610	19.9%	31
Fuel (GJ)	1,526	26.9%	107
<b>Total energy (GJ)</b>	<b>3,536</b>	<b>16.3%</b>	<b>306</b>

\* Compared to the same period previous year  
<sup>^</sup> Related to current reporting period

### EMISSIONS PROFILE SINCE 2012-13



## DG INDICATOR

### Q1 2017-18

(July to September 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) <sup>#</sup>	Difference*	tCO <sub>2</sub> -e <sup>^</sup>
Dame Pattie Menzies House	838	5.5%	65
470 Northbourne Avenue	184	1.3%	22
Stromlo Depot	152	-1.9%	17
Namadgi Visitors Centre	109	9.0%	13
Tidbinbilla Depot	86	5.1%	10

# 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	838	5.5%	90
Parks & Conservation	760	-0.8%	90
Suburban Land Agency	222	7.1%	27
City Renewal Authority	85	-	7
Asbestos Response Taskforce	64	0.6%	8
Office for the Commissioner for Sustainability and the Environment	41	482.9%	4

# Electricity and Natural gas only

\* Compared to financial year to date 2016-17

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