

Australian Government  
Carbon Neutral Program  
**Public Disclosure Summary**



An Australian Government Initiative

COMPANY NAME: University of Tasmania

REPORTING PERIOD: 1 January to 31 December 2015

**Declaration**

To the best of my knowledge, the information provided in this Public Disclosure Summary is true and correct and meets the requirements of the National Carbon Offset Standard Carbon Neutral Program.

Signature 	Date 25/12/17
Name of Signatory JACINTA YUJPS	
Position of Signatory EXECUTIVE DIRECTOR, INFRASTRUCTURE SERVICES & DEVELOPMENT	

Carbon neutral certification category	Organisation
Date of most recent external verification/audit	21/01/2017 (for 2015 reporting year)
Auditor	Gillian Hand-Smith (Auditor Registration Number:0121/2011)
Auditor assurance statement link	



**Australian Government**  
**Department of the Environment and Energy**

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## 1. Carbon neutral information

### 1A. Introduction

#### ***About Us***

Founded in 1890, the University of Tasmania has a rich and proud history. We're the fourth oldest university in Australia and this vintage earns us the prestigious title of a sandstone university; one of the nation's oldest tertiary institutions.

Throughout our history we've been a stage for discoveries of global significance, a catalyst for social, economic and cultural development and – arguably most importantly – a place of life and learning for 90,000 alumni who have built their lives and careers in Tasmania and in 120 countries around the world. From Andrew Inglis Clark to Sir Guy Green, Enid Campbell, Richard Flanagan and Mary, Crown Princess of Denmark, we've always been distinguished by staff and students who strode along the sometimes rocky path of knowledge and discovery and then set out to make a better world.

Changing the world is not simple. It takes thought, time, persistence, and insight. But most of all, it takes something extraordinary. So at the University of Tasmania, we've made the pursuit of the extraordinary a never-ending commitment. It influences everything we do. The way we teach. The way we research. The way we learn. And the way we live.

We're also a prism through which Tasmania can look to the world and the world can look to Tasmania; a bridge from our island that connects people, geographies, cultures and ideas.

#### ***Our Carbon Neutral Commitment***

Sustainable practices are embedded within the University of Tasmania's operations and through the commitment to reduce environmental impacts, achieve economic efficiency, demonstrate social responsibility and enhance student experience. The University embeds sustainability as a focus in our research, teaching and learning and community engagement activities.

The University of Tasmania is committed to undertaking measures to reduce greenhouse gas emissions through infrastructure and service improvements, renewable energy infrastructure installation, support for behavioural changes in resource use, and identification of high quality carbon offset opportunities for emissions that cannot be reduced or eliminated.

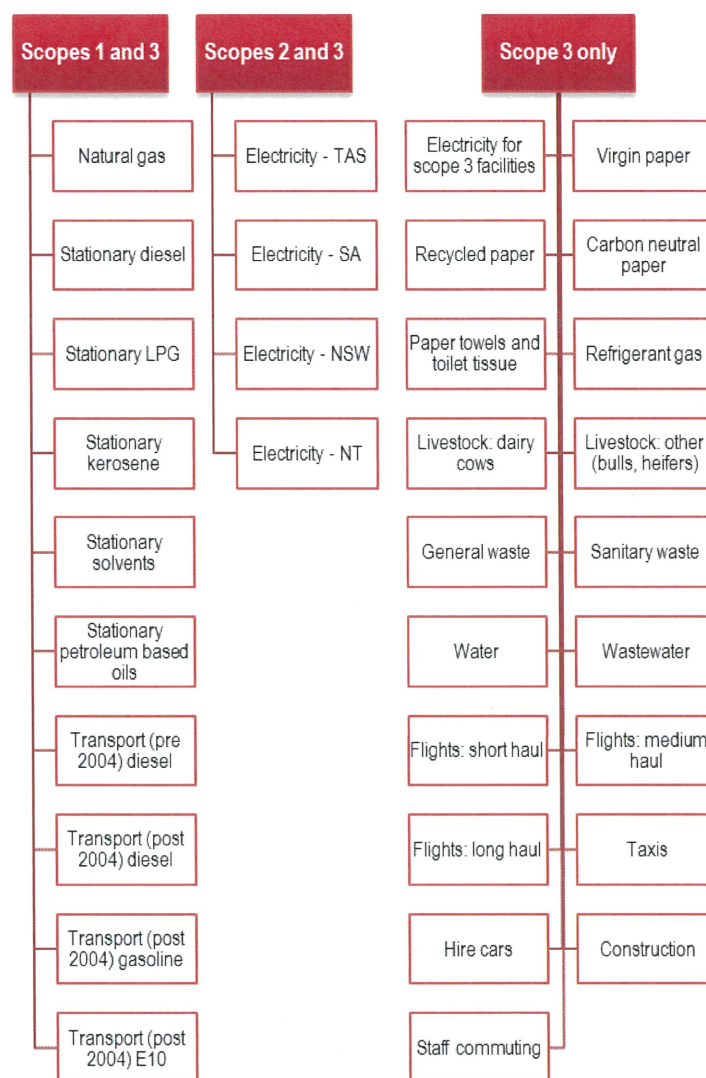
The University also recognises the responsibility that it holds within the Tasmanian community to lead in response to the realities of climate change as evidenced through our own global research efforts as well as reduce greenhouse gas emissions in line with local and State Government goals and community expectations.

### 1B. Emission sources within certification boundary

#### Quantified sources

The quantified emissions sources are set out in Figure 1. All emissions sources for which data was available were included in the University of Tasmania inventory.

Figure 1: Emissions sources included in the 2015 baseline University of Tasmania Greenhouse Gas Inventory



### Non-quantified sources

The following emission sources have not been quantified in accordance with the provisions in the National Carbon Offset Standard. The impact of not quantifying these sources is not expected to materially affect overall total emissions.

- Key contracts held with the cleaning and security services contractors have not been included in the inventory. All electricity, fuels and chemicals purchased by the University are included, contract amounts are expected to be immaterial and have not been collected due to the difficulty imposed on the contract holder in providing this information.
- Redline bus services provided transportation between the Launceston and Hobart based University of Tasmania campuses in 2015. This service has since ceased. This has been assessed as an immaterial emissions source.
- The emissions associated with work experience placements were estimated based on the Rural Health Teaching Clinics. At a total estimate electricity consumption of 33 tCO<sub>2</sub>-e, it is not expected that work experience placements will be material to the total emissions of the University and thus additional data has not been collected. It is noted that hospitals in which the University of

Tasmania has a permanent staff presence (Burnie Rural Health Clinic, Hobart and Launceston Clinical Schools) have been included as Scope 3 Facilities.

#### Excluded sources

The following emission sources have been excluded in accordance with the provisions of the National Carbon offset Standard.

- Emissions associated with any international operations have been excluded from this inventory.
- The University's investment portfolio includes managed products only. As the University of Tasmania does not have the ability to specify the components of these investments, these are outside of the operational control and Scope 3 boundary for the University.

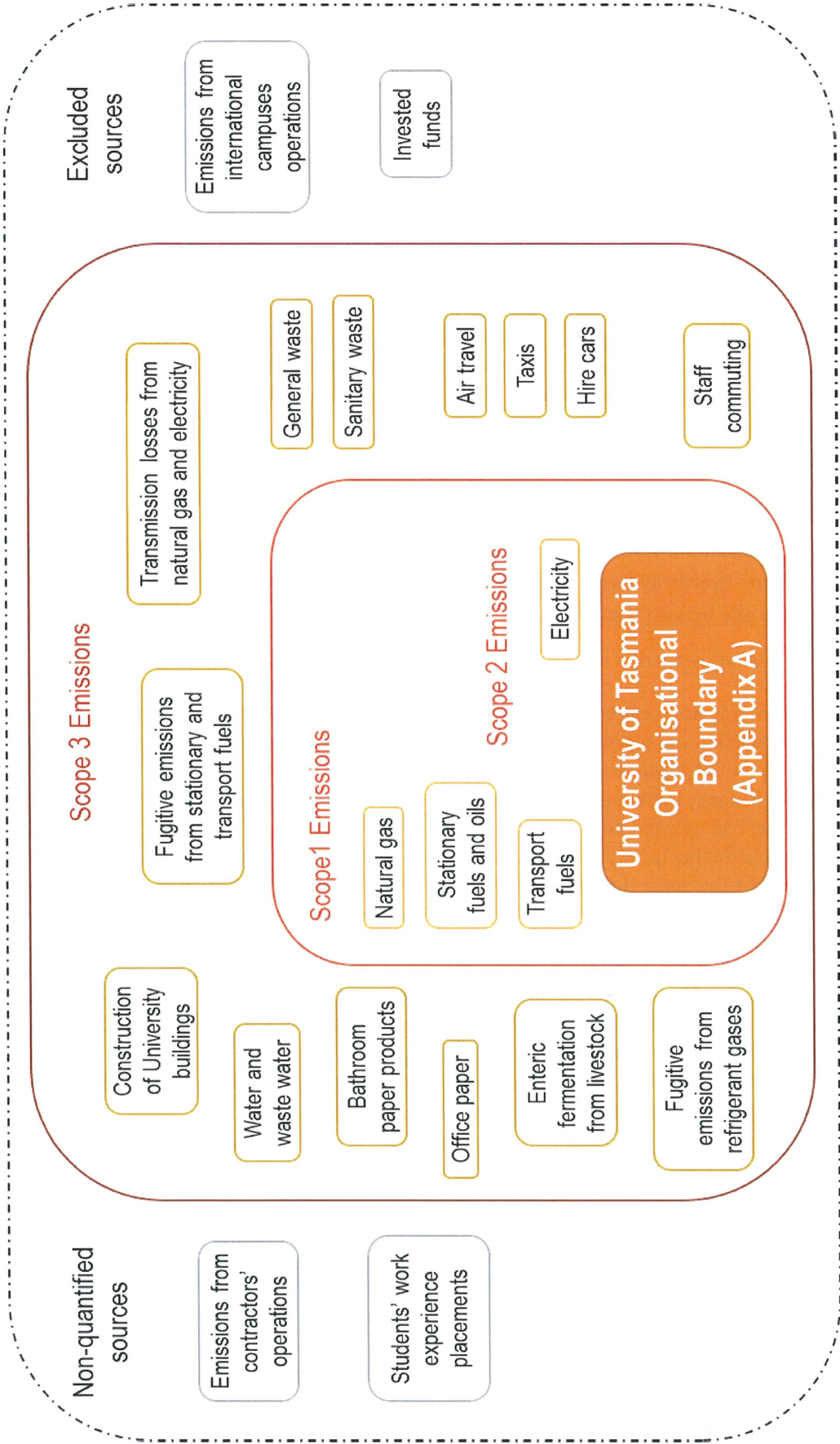
#### 1C. Diagram of the certification boundary

A diagram of the organisational boundary for the University of Tasmania is included at Appendix A. The emissions sources included in the 2015 inventory are documented in Figure 1.

The following facilities located on University of Tasmania campuses were determined to be outside the boundary of the University of Tasmania. The on-charged electricity and natural gas was deducted from the totals reported at each of the Newnham and Sandy Bay campuses as appropriate. Waste data for collections from these facilities have also been excluded.

- CSIRO (Sandy Bay campus)
- AFRDI (Newnham campus)
- Lady Gowrie Child Care Centre and After School Care (Sandy Bay and Newnham campuses)
- Community Health Clinic (Sandy Bay campus)
- The following catering facilities: Lazenby's, Refectory, Trade Table, Law Café, University Staff Club, Source Wholefoods (Sandy Bay campus); Salutem (Medical Science Precinct); Centre for the Arts Cafeteria (Centre for the Arts); The Grove, The Walk (Newnham campus); Graze Café, Makers' Workshop Café (Cradle Coast campus)
- Tasmanian University Union leased facilities (Sandy Bay and Newnham campuses)
- Hair dressers (Sandy Bay and Newnham campuses)
- Doctor surgery (Sandy Bay campus)
- Travel agent (Newnham campus)

Figure 2. University of Tasmania greenhouse gas inventory boundary for the purpose of Carbon Neutral Certification



## 2. Emissions reduction measures

### 2B. Emissions reduction strategy

Emissions reduction strategies for the University of Tasmania are accessible from the University Sustainability Portal. This is accessible through the link: <http://www.utas.edu.au/sustainability>

Examples of emissions reduction strategies in place at the University of Tasmania include:

- Sustainable Transport Strategy 2012-2016 that has as one of the three main objectives the reduction of greenhouse gas emissions from University transport activity.
- Student experience strategies that include annual energy use reduction challenges and campaigns, particularly for university accommodation residents.
- Commitment through University policies and procedures to delivering Green Building Council of Australia Green Star design and as-built standards for both new builds and refurbishments, which deliver buildings and other facilities that minimise emissions from a variety of sources, including energy, transport, waste and water. These include renewable energy installations and energy efficiency improvements.

### 2C. Emissions reduction actions

Emissions reduction initiatives adopted by the University of Tasmania for each emissions source are accessible from the University Sustainability Portal. This is accessible through the link:

<http://www.utas.edu.au/sustainability>

Examples of emissions reduction initiatives undertaken at the University of Tasmania include:

- Annual energy use reduction challenges and campaigns in University-owned accommodation service facilities and other behavioural change campaigns to ensure that the ever changing student population is engaged with sustainability.
- Energy efficiency initiatives to address issues with old building stock and technologies, including upgrading 750 halogen downlights to low watt LEDs and installation of solar hot water systems.
- Renewable energy (photovoltaic) installations on bike hubs, on buildings across two campuses to support the Tasmania University Union becoming 100% on-site renewably powered, embedded in new buildings both on main campuses (e.g., Inveresk student apartments) and at remote locations (e.g., Bisdee Tier astronomical research facility).
- Transport-related activities include delivering sector-leading bike hubs and end-of-trip facilities across all campuses (>\$1m over five years), replacing inefficient vehicles in the University vehicle fleet with three all-electric and 9 hybrid vehicles, doubling of dedicated motorcycle/scooter parking, provision of dedicated car pool parking spaces and delivery of bus stop shelters to 80% of University stops with funding and advertising support to deliver year round high frequency bus services between our main campuses and their nearby CBD.

## 3. Emissions summary

Table 2. Emissions Summary		
Scope	Emission source	t CO <sub>2</sub> -e
1 and 3	Natural Gas	2,731
1 and 3	Stationary Diesel	93

Table 2. Emissions Summary		
Scope	Emission source	t CO <sub>2</sub> -e
1 and 3	Stationary LPG	40
1 and 3	Stationary Kerosene (other than for use in an aircraft)	20
1 and 3	Stationary Solvents	0
1 and 3	Stationary Petroleum Based Oils	2
1 and 3	Dry wood	0
1 and 3	Transport (Pre 2004) Diesel	253
1 and 3	Transport (Post 2004) Diesel	335
1 and 3	Transport (Post 2004) Gasoline	498
1 and 3	Transport (Post 2004) Ethanol	0
2 and 3	Electricity - TAS	8,240
2 and 3	Electricity - NSW and ACT	1,563
2 and 3	Electricity - SA	46
2 and 3	Electricity - NT	28
3	Virgin Paper	38
3	Recycled Paper	33
3	Carbon Neutral Paper	0
3	Tissue Paper	219
3	Refrigerant Gas	744
3	Livestock: Dairy Cows	695
3	Livestock: Other (bulls, heifers)	358
3	General Waste	1,654
3	Sanitary waste	108
3	Water	42
3	Wastewater	169
3	Air Travel - Short Haul	53
3	Air Travel - Medium Haul	1,329
3	Air Travel - Long Haul	3,224
3	Taxi	56

Table 2. Emissions Summary		
Scope	Emission source	t CO <sub>2</sub> -e
3	Construction	2,704
3	Staff Commuting	5,361
<b>Total Gross Emissions</b>		30,273
<b>GreenPower or retired LGCs</b>		0
<b>Total Net Emissions</b>		30,273

#### 4. Carbon offsets

##### 4A. Offsets summary

No offsets have been purchased for the 2015 reporting year. The inventory for 2015 has only been calculated to produce a base year for the University of Tasmania's certification. Only 2016 has been offset and certified against the NCOS (i.e., the University of Tasmania will be certified carbon neutral since 2016, but use 2015 as a base year against which to measure our emissions reductions efforts).

##### 4B. Offsets purchasing and retirement strategy

N/A

##### 4C. Offset projects (Co-benefits)

N/A

#### 5. Use of trade mark

N/A – Initial application.

#### 6. Have you done more?

Not applicable for this initial application.



APPENDIX A: UNIVERSITY OF TASMANIA AUSTRALIAN FACILITIES

