

# User Guide

User guide for the Jersey greenhouse gas emissions data viewer

## User Guide

Aether has created an infographic to help provide a clear presentation of Jersey’s greenhouse gas inventory data. This gives users a useful format for exploring and understanding Jersey’s environmental datasets.

### General interactive features

**Sorting.** This picture will appear when hovering over some items. It means that you can sort the fields, such as by size of emissions or alphabetically.



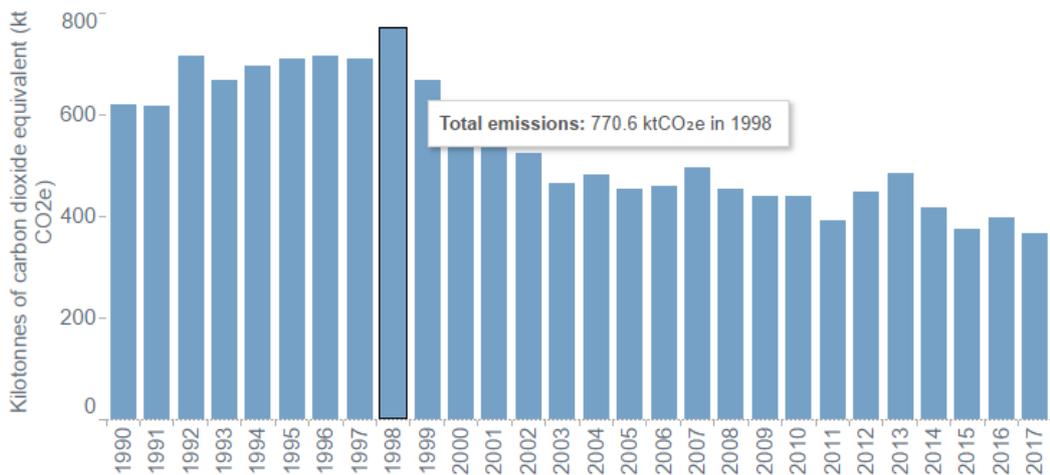
**Highlighting.** If the highlight button in the legend is selected, as in the example below, then clicking on a name in the legend will highlight your selection within the graph.



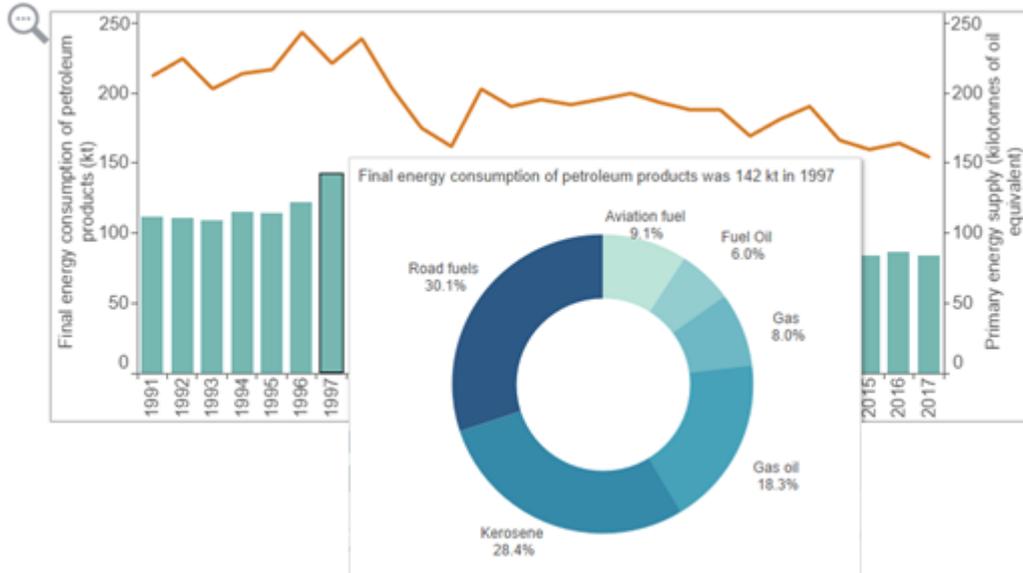
**Filtering.** By clicking on a drop-down arrow in a filter box, you can tick the variables you are interested in viewing.



**Tooltips.** When hovering over graphs, a tooltip will appear containing more information about that point.



Some tooltips have graphs contained within them. These provide extra information and are not interactive. Where there are graphs to explore in the tooltip, you will see this icon:



**Helpful information**

Throughout the infographic, there are a number of “helpful information” points. When you hover over these points, a box of helpful information will appear. These will give you background information related to the infographic and methodologies.



In addition, the infographic includes several links to external documents. These will provide more detailed information.

**More information on energy trends**

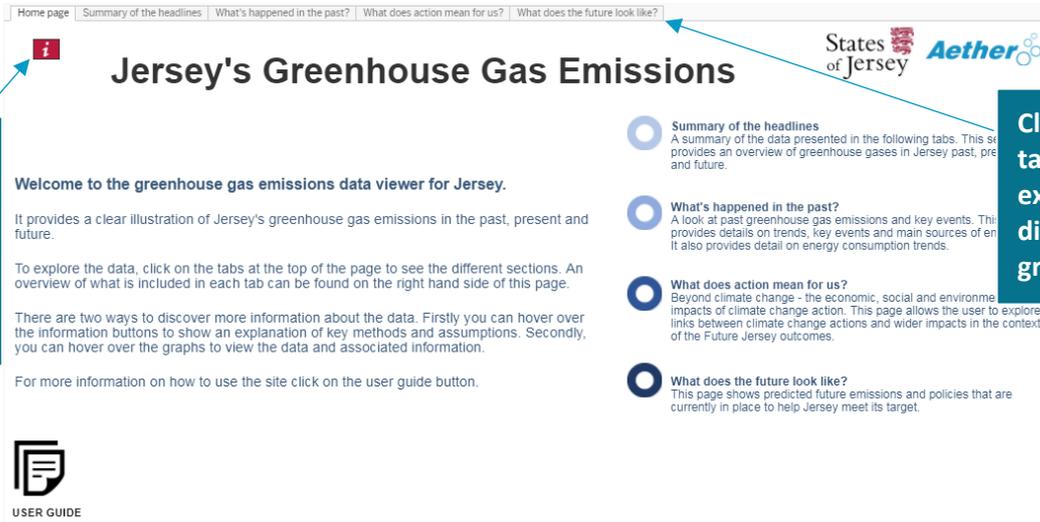


## Page specific interactive features

The infographic has a number of interactive features, and these are described below.

### Home page

This page introduced the infographic, explains the main functions and gives an overview of what is included in each page.

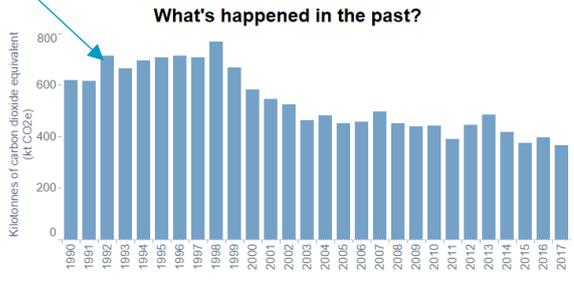


### Summary of the headlines

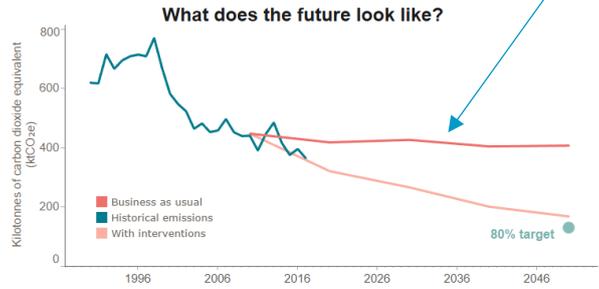
This page gives an overview of the data contained in the infographic. It shows the headline messages and gives the user an idea of what each tab shows.

Hover on a part of a graph to view the tooltip, which will provide the actual value for the selected point

Hover on a line to see the emission value and % of savings



Total emissions have reduced by 40% since 1990.



Jersey has put in place a set of actions aiming to meet the 80% reduction in GHG target.

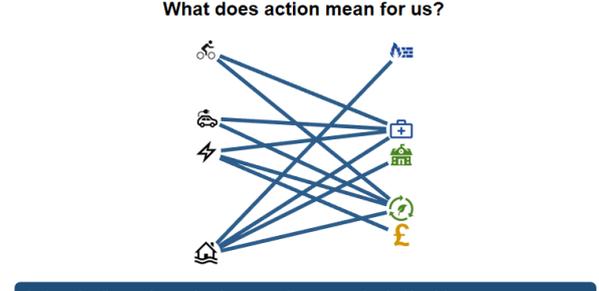
#### How does Jersey compare to other islands?

Choose comparison: Energy Supply emissions per person

Jersey    
  Guernsey    
  UK    
  Isle of Man    
  Cayman Islands

Jersey has relatively low emissions per person.

Use the filter to change the comparison



Implementing climate actions can have impacts on other sectors such as health and the economy.

### What's happened in the past?

This page illustrates the greenhouse gas emissions that have been emitted in the past in Jersey.

The top graph shows the historical timeseries of emissions and allows the user to change the level of detail shown by selecting by sector, by gas or by sub sector. Sub sector definitions are given below.

The second bar chart shows trends relating to energy consumption and supply. The bubble chart adjacent to this shows, for the latest year, the breakdown by sector of energy consumption.

**Use the filters to change the view of the graph**

**Hover on the red dates to get information about key events**

**Hover on a part of a graph to view the tooltip, which will provide the actual value for the selected point**

**Hover on the bar to reveal a tooltip revealing information about the data**

**Click on the report icon to go to the full online report**

**Jersey's total emissions have reduced by 40% since 1990.**

**Petroleum products account for 61% of final energy consumption in 2017.**

**Over 30% of energy consumption was from domestic properties in 2017**

**Key Events**  
 Hover over the years to view information on key events

- 1998
- 2000
- 2001
- 2012
- 2014
- 2017

**More information on energy trends**

**Primary energy supply (kilotonnes of oil equivalent)**

- Air and marine
- Domestic
- Industry and government
- Road

**Final energy consumption of petroleum products (kt)**

**Kilotonnes of carbon dioxide equivalent (MCO<sub>2</sub>e)**

**Filter the graph by level of detail**  
 Total emissions

**Filter the graph by sector**  
 (All)

**Total emissions**

**Final energy consumption of petroleum products (kt)**

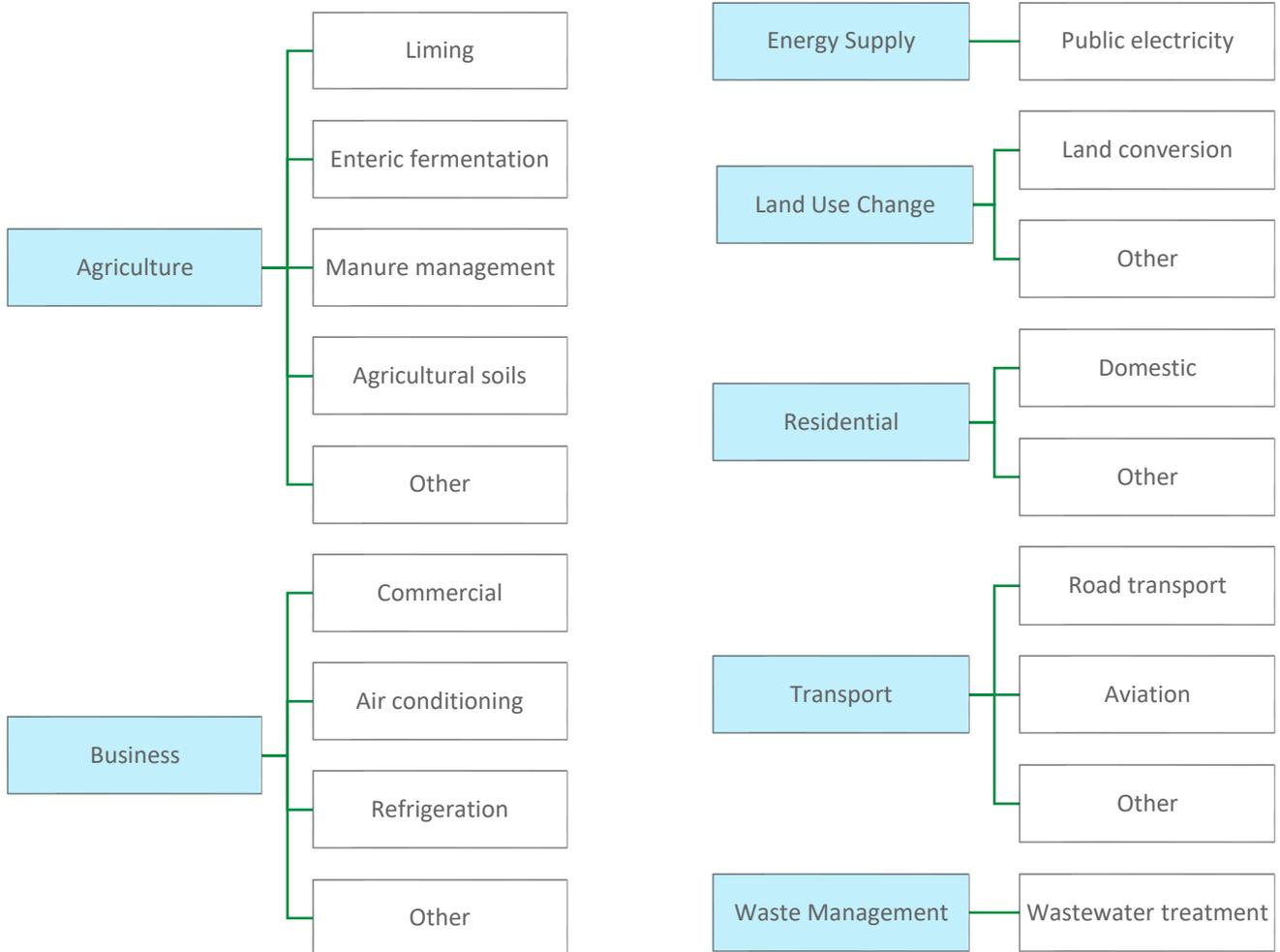
**Primary energy supply (kilotonnes of oil equivalent)**

**Over 30% of energy consumption was from domestic properties in 2017**

- 27%
- 7%
- 38%
- 28%

**Report icon**

The historical emissions graph provides the user with a number of viewing options. One of these is to view by “sub-sector”. These are categorised as below;



### What does action mean for us?

This page shows the wider impacts of climate change actions in relation to the Future Jersey outcomes. These impacts can be positive (green lines) or negative (red lines). The 10 Future Jersey outcomes are divided into 3 areas:

Community (blue)	Environment (green)	Economy (yellow)
Safety & Security	Built & Historic	Affordable Living
Learn & Grow	Natural Environment	Jobs & Growth
Vibrant & Inclusive	Sustainable Resources	Attractive Business Environment
Health & Wellbeing		

Home page | Summary of the headlines | What's happened in the past? | What does action mean for us? | What does the future look like?

Filter by Jersey Climate Change Actions (All) | 
 Filter by Strength of Impact (All) | 
 Filter by Future Jersey Theme (All)

**What are the wider impacts of climate change actions?**

Climate change actions can have impacts beyond the intended goal of emissions reduction. These additional impacts can be positive (e.g. savings on fuel bills or improved health) or negative (e.g. increased risk of road accidents).

**What does this graph show?**

The graph shows the possible wider impacts of current climate change actions in Jersey in relation to the Future Jersey outcomes. Orange lines shows where impacts may be negative and blue lines where impacts may be positive. The thicker the line, the stronger the impact.

**How do I explore this graph?**

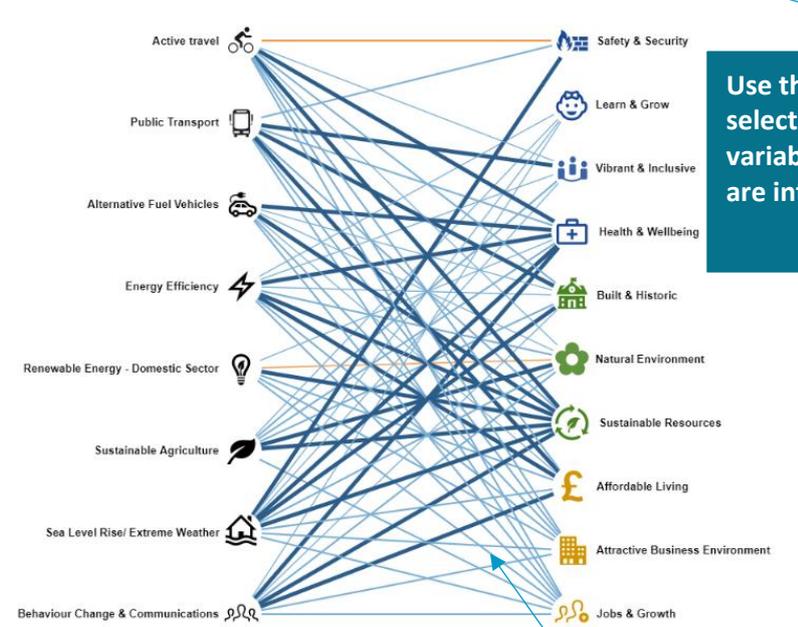
To explore this graph, you can:

1. Use the filters.
2. Click on or hover over a line. This will bring up additional information.
3. Click and drag over an icon to highlight related items.

**More Information**

Click on the icons to view key reports

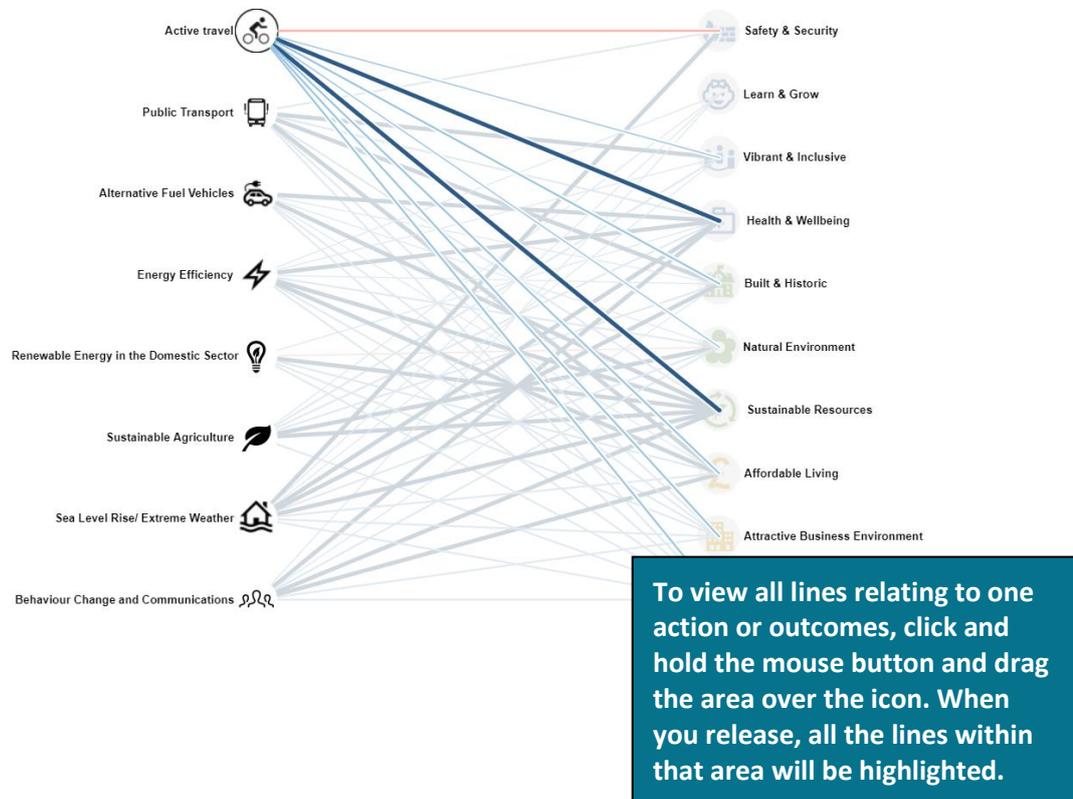
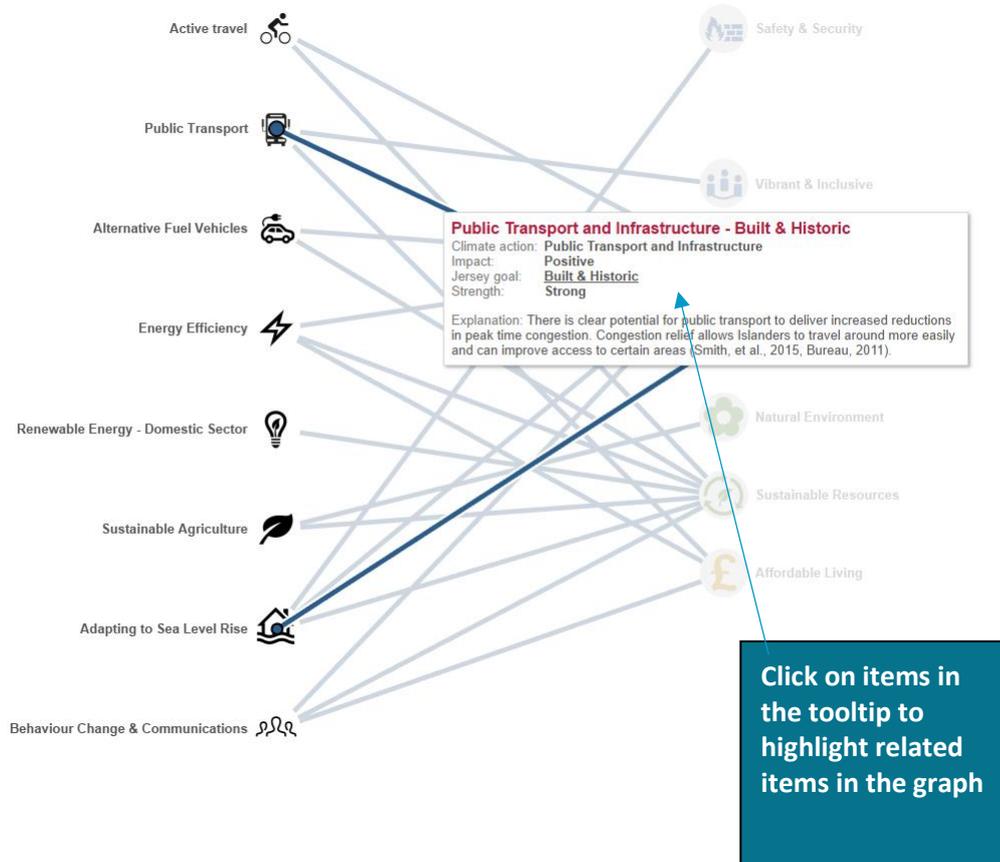
- Future Jersey 2017-2037
- Jersey sea level rise and coastal conditions climate review 2017
- Wider Impacts of Climate Change Action in Jersey



Use the filters to select the variables that you are interested in

Click on the icons to view related reports

Hover over a line to view further information



### What does the future look like?

This page shows the predicted future emissions in Jersey, with and without policy interventions. It shows the policies that Jersey has put in place and how these will contribute to emissions savings in 2050.

Hover here to reveal which sectors emission savings are from



**More information**

For more information on policies, click on the icons to the right. This will take you to 'Pathway 2050: An Energy Plan for Jersey' and 'Analysis of Future Jersey indicators that are at high risk from climate change'



The original concept for the wider impacts network diagram was developed by Alison Smith and Aether



For further information on the methodologies and data used in this infographic, please feel free to contact us: [kathryn.hampshire@aether-uk.com](mailto:kathryn.hampshire@aether-uk.com)

Click on the icon to view further reports

Sort these columns by size order to see which policies are most significant

## References

Energy Trends 2012 (Jersey Statistics Unit, 2012)

<http://www.gov.je/SiteCollectionDocuments/Government%20and%20administration/R%20EnergyTrends2012%2020120622%20SU.pdf>

Future Jersey 2017-2037 (States of Jersey, 2017)

[https://www.gov.je/SiteCollectionDocuments/Government%20and%20administration/FUTURE%20JERSEY\\_SPREADS%2012072017.pdf](https://www.gov.je/SiteCollectionDocuments/Government%20and%20administration/FUTURE%20JERSEY_SPREADS%2012072017.pdf)

Jersey Agricultural Statistics 2010 (Department of Economic Development, 2011)

[https://www.gov.je/SiteCollectionDocuments/Industry%20and%20finance/R%20AgriculturalStatistics2010%20\(size%202.1mb\)%20DM%2020032012.pdf](https://www.gov.je/SiteCollectionDocuments/Industry%20and%20finance/R%20AgriculturalStatistics2010%20(size%202.1mb)%20DM%2020032012.pdf)

Jersey energy data (Department of Environment, 2018)

Jersey Energy Trends 2011-2014 (Department of Environment, 2016)

<http://www.gov.je/SiteCollectionDocuments/Government%20and%20administration/R%20Jersey%20Energy%20Trends%202011-2014%20DM%2024022016.pdf>

Jersey Energy Trends 2017 (Statistics Jersey, 2019)

<https://www.gov.je/SiteCollectionDocuments/Government%20and%20administration/R%20Jersey%20Energy%20trends%202017%2020190529%20SJ.pdf>

Jersey GHG inventory (Department of Environment, 2019)

Jersey in Figures 2014 (Jersey Statistics Unit, 2014)

<http://www.gov.je/SiteCollectionDocuments/Government%20and%20administration/R%20Jersey%20In%20Figures%202014%2020150428%20SU.pdf>

2050 Pathway Report (Department of Environment, 2014)

[https://www.gov.je/SiteCollectionDocuments/Government%20and%20administration/R%20Pathway%202050%20An%20Energy%20Plan%20reduced%20\(size%201.3mb\)%20DM%2020140325.pdf](https://www.gov.je/SiteCollectionDocuments/Government%20and%20administration/R%20Pathway%202050%20An%20Energy%20Plan%20reduced%20(size%201.3mb)%20DM%2020140325.pdf)



Oxford Centre for Innovation

New Road

Oxford

OX1 1BY UK

+44(0)1865 261466

[www.aether-uk.com](http://www.aether-uk.com)