

# Annex H

## Flow charts

### Introduction

H.1 This section brings together the flow charts for individual fuels contained in the main Digest publication. Chart H.1 is for Coal, Chart H.2 is for Petroleum, Chart H.3 is for Natural Gas, Chart H.4 is for Electricity and Chart H.5 is for Renewables. Annual updates will appear in subsequent editions of the main Digest publication and on the BEIS section of the GOV.UK website.

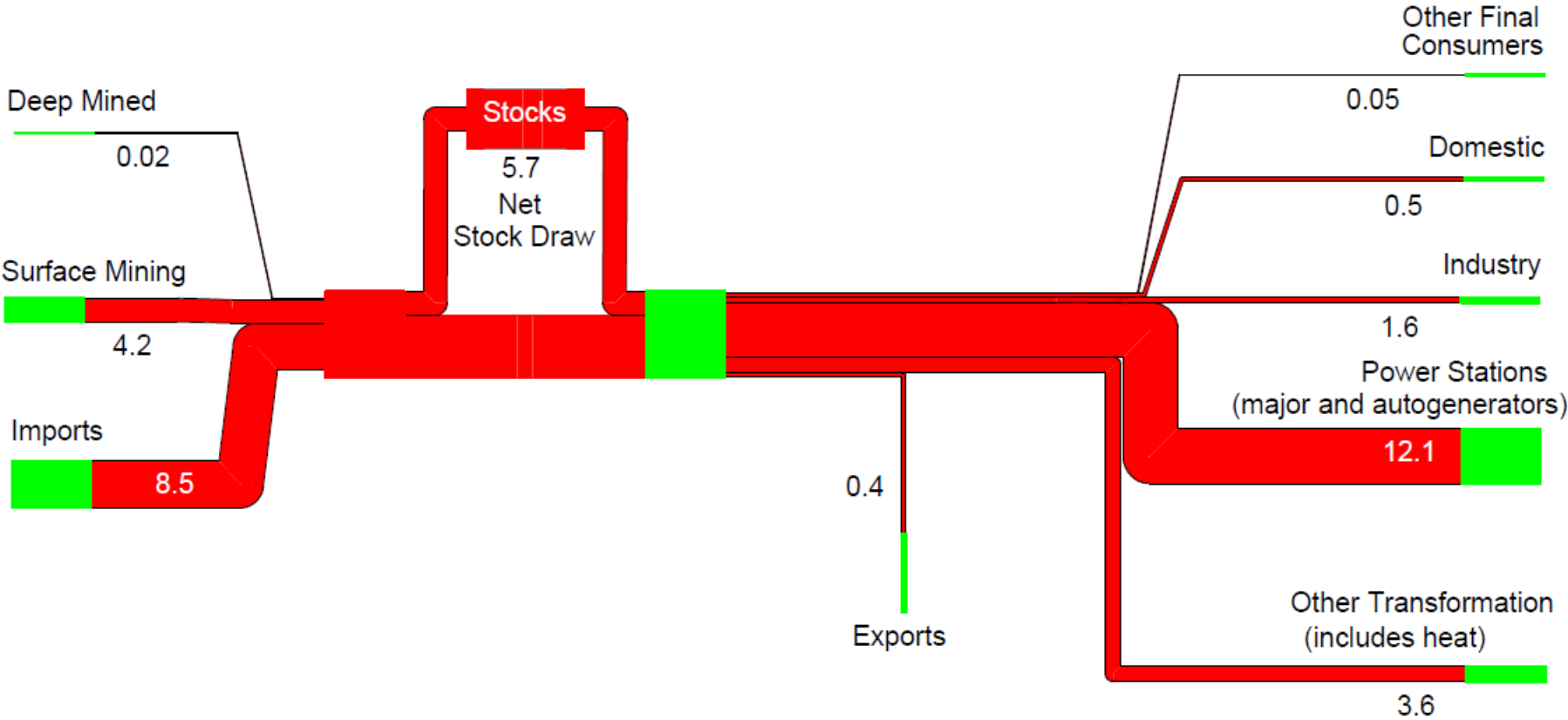
H.2 Also included within the annex is an additional flow chart for Manufactured Solid Fuels (H.6). Annual updates will appear on the BEIS section of the GOV.UK website.

### Summary flow chart

H.3 A summary flow chart, UK Energy Flow Chart 2016, is also available on the BEIS section of the GOV.UK website at: [www.gov.uk/government/statistics/energy-flow-chart-2016](http://www.gov.uk/government/statistics/energy-flow-chart-2016). The summary flow chart updates the last energy flow chart which showed data for 2015. It is based on statistics taken from the main Digest publication, [Table 1.1 – Energy Balance 2016](#). The chart is a simplification of the energy balance figures, illustrating the flow of primary fuels from the point at which they become available from home production or imports (on the left) to their eventual final uses (on the right). They are shown in their original state and after being converted into different kinds of energy by the secondary fuel producers. The flows are measured in million tonnes of oil equivalent, with the widths of the bands approximately proportional to the size of the flow they represent. The flow charts for individual fuels have been produced on a similar basis.

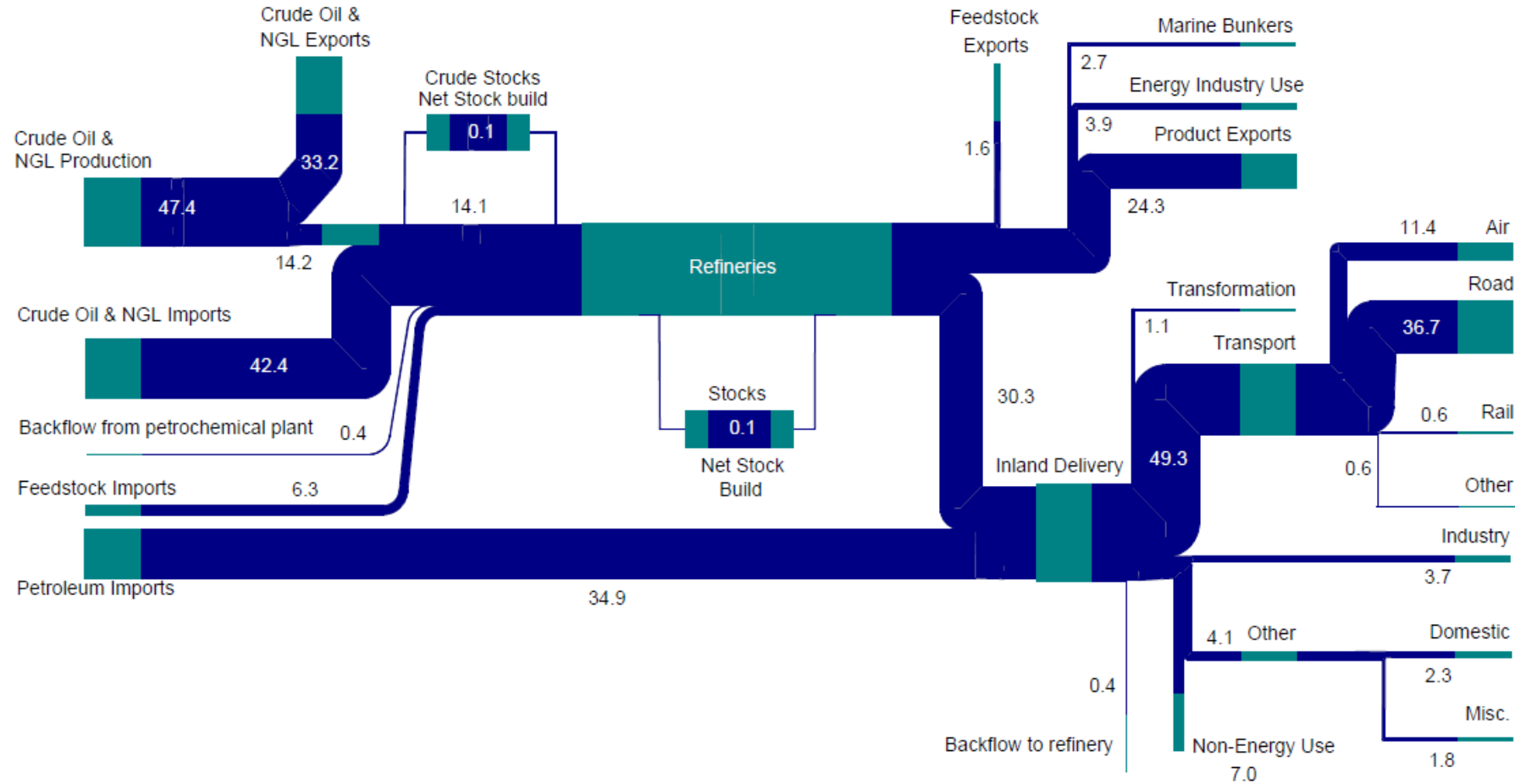
Contact: *Kevin Harris*  
[kevin.harris@beis.gov.uk](mailto:kevin.harris@beis.gov.uk)  
0300 068 5041

**Chart H.1: Coal flow chart 2016 (million tonnes of coal)**



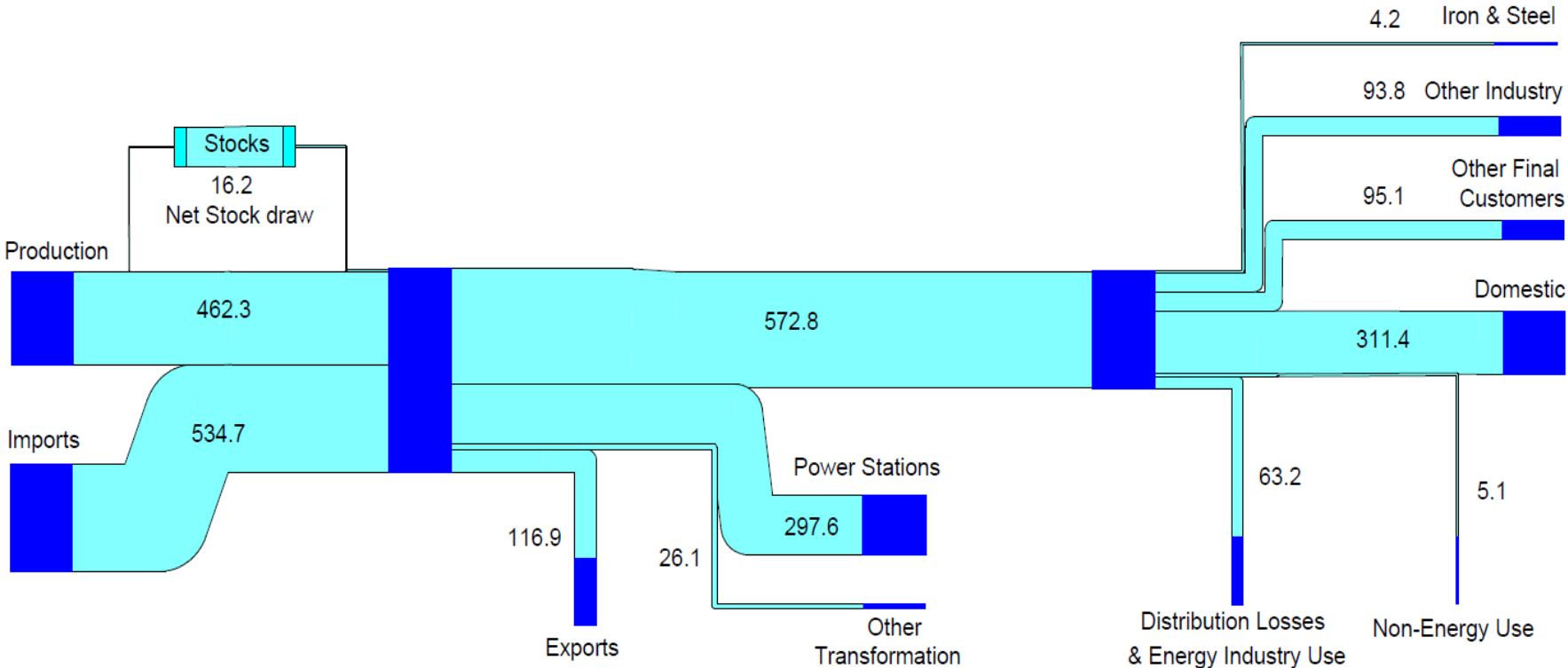
Note:  
This flow chart is based on the data that appear in Tables 2.1 and 2.4.

# Chart H.2: Petroleum flow chart 2016 (million tonnes)



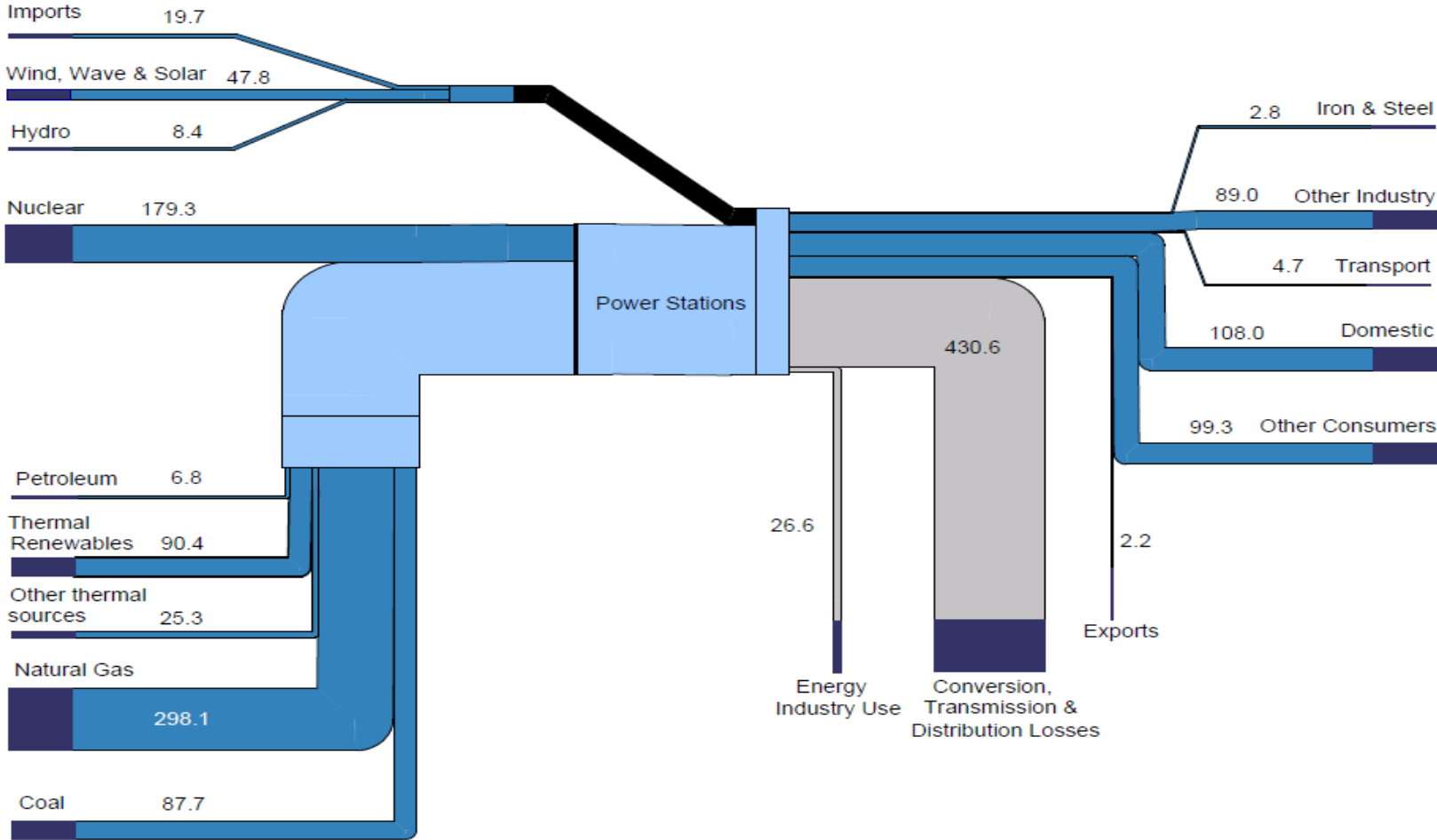
Notes:  
 This flow chart is based on the data that appear in Tables 3.1 and 3.2.  
 The numbers on either side of the flow chart will not match due to losses in transformation.  
 Biofuels are not included.

# Chart H.3: Natural gas flow chart 2016 (TWh)



Note:  
This flow chart is based on the data that appear in Table 4.1, excluding colliery methane.

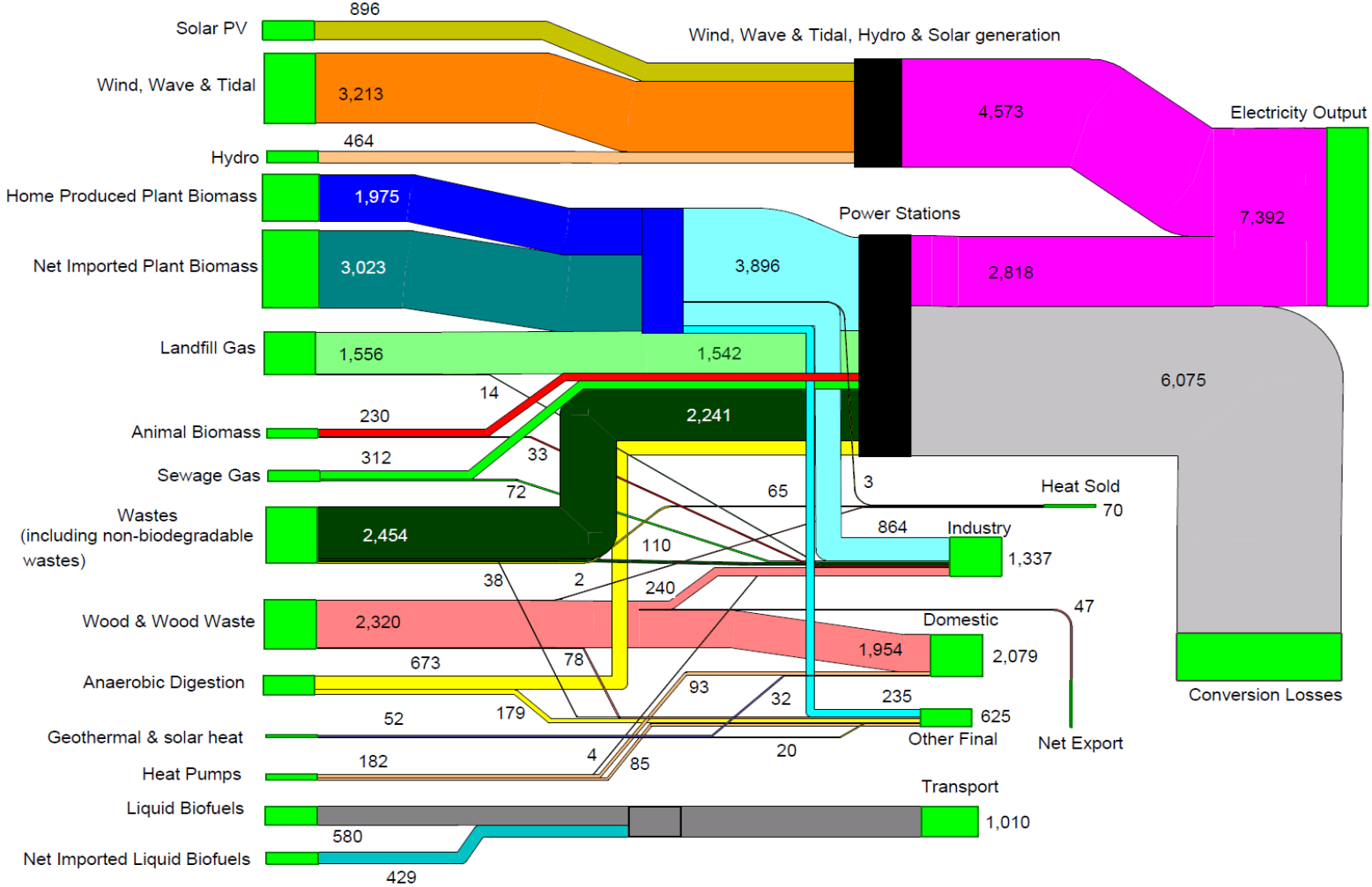
# Chart H.4: Electricity flow chart 2016 (TWh)



**Notes:**

- This flow chart is based on the data in Tables 5.1 (for imports, exports, use, losses and consumption) and 5.6 (fuel used).
- (1) Hydro includes generation from pumped storage while electricity used in pumping is included under Energy Industry Use
  - (2) Conversion, Transmission and Distribution Losses is calculated as fuel used (Table 5.6) minus generation (Table 5.6) plus losses (Table 5.1)

# Chart H.5: Renewables flow chart 2016 (thousand tonnes of oil equivalent)



Note:  
This flow chart is based on data that appear in Tables 6.1 and 6.4.

# Chart H.6: Manufactured Solid Fuels flow chart 2016 (thousand tonnes of oil equivalent)

