**ReadMe Research Data – Embodied Energy … Paper**

**'Calculations' file (Excel)**

*Comments for each worksheet:*

Energy Use by Sector and CO2 Sectors: Used for Section 1, first paragraph.

Waste & Embodied Energy, DUKES Top Level Calcs and Ashcroft Email: Used for section 3.1.2. 2014 was the year used because this was the year used by WRAP 2016 for the waste data.

EC JRC (2015) Fig 1.2 and Table 2.1: Not used in the journal paper.

WRAP 2013: Used in section 3.4 and Supplementary Information 1

PRODCOM PROV 2014 Division 10 and PRODCOM PROV 2014 Division 11: Used to map PRODCOM categories and data onto WRAP 2016 categories and data - section 3.3.2 of the paper.

Map-PRODCOM 14 - Prev Waste Cats: Used in section 3.4 and formalised in Supplementary Information 1.

Prev Waste Cats - Summary: Used for Table 2 of the paper.

Calcs: The table was used for Appendix A to the paper. The product-specific calculations (also in the sheet 'Table') feed into the values researched by Loughborough for the WRAP 2013 sheet (see above). The 3 tables and charts at the bottom were used to produce Table 3 and figs 6-8 in the paper.

Reasonableness: This assessment was not referenced or used in the paper, because its conclusions did not highlight any problem with assuming that the intermediate and final products within each category arising as Preventable Waste represented that category.

Stage PW Arising: This is formally presented as Supplementary Information 2.

WRAP 2013 Ref Years: This is the working for Section 4.2 and Appendices B and C of the paper.

Sources Check: This provides more detail on the values used for Specific Embodied Energy listed in the ‘Map-PRODCOM 14 - Prev Waste Cats’ sheet.

Annex 1: This is the rough version of Supplementary Information 1.

Energy Intensity by Value: Not used in the paper.