

BNXS21: Index of key data and assumptions used by MTP

Version 1.1

This Briefing Note and referenced information is a public consultation document and will be used to inform Government decisions. The information and analysis form part of the Evidence Base created by Defra's Market Transformation Programme.

1 Summary

This Briefing Note provides an overview of the key cross-sector data and assumptions used by the Market Transformation Programme (MTP) in the development of its scenarios projecting future UK energy and water consumption and proposed policy action plans.

2 Introduction

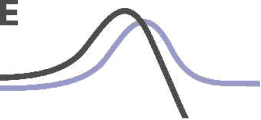
This Briefing Note outlines key cross-sector relevant data and assumptions used by the MTP in the development of its scenarios (Reference, Policy and Earliest Best Practice) projecting future UK energy and water consumption and of proposed policy action plans (see Policy Briefs).

MTP has been consulting with relevant stakeholders to secure consensus on these data and assumptions and is reviewing them as the need arises. MTP is encouraging other organisations and individuals to use these data and assumptions to ensure their outputs can be more easily compared with MTP analysis and projections.

Section 3 'Cross-sector data and assumptions' provides an index of sources of key data and assumption relevant to a range of product groups covered by MTP. Section 4 'Sector data and assumptions' lists other Briefing Notes (BNs) on data and assumption relevant to particular product groups.

3 Cross-sector data and assumptions

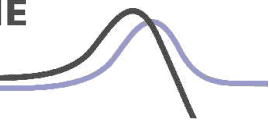
Data	Relevant BN or source	Comments
Carbon emission factors for electricity, gas and oil.	Briefing Note BNXS01	Describes the factors used to calculate the amount of carbon generated when consuming one unit of electricity, gas or oil.
UK household figures 1970 - 2020.	Briefing Note BNXS25	Based on figures published by the Department for Communities and Local Government (DCLG).
UK population figures 1970 - 2020.	Briefing Note BNXS25	Based on figures published by the DCLG.
Costs of policies.	Briefing Note BNXS26	Describes the methodology for estimating the cost of policies that will help reduce the



		energy consumption of particular products. For each product group, the proposed policies are summarised in policy action plans (see Policy Briefs).
Heat Replacement Effect factors.	Briefing Note BNXS24 (overview) Briefing Note BNXS05 (for details)	Energy consuming products contribute warmth to the building and alleviate load on the heating system (known as the heat replacement effect). Gross figures for energy and carbon emissions, that are usually quoted, measure the performance of products ignoring the heat replacement effect. Factors have been developed to convert gross figures to net figures to calculate achievable energy and carbon savings.
Performance Standards Information Base (PSIB)	www.mtprog.com/PSIB/Default.aspx	This database provides indicative product performance standards for a range of appliances and products traded in the UK.
What-If? Tool	http://whatif.mtprog.com/	Presents detailed data on energy, waste and water scenarios to the year 2020 for around 30 domestic and commercial products.

4 Sector data and assumptions

Data	Relevant BN or source	Comments
Cold appliances	Briefing Note BNC08	Modelling and scenario assumptions.
Consumer electronics	Briefing Note BNCE1	Modelling and scenario assumptions.
Cooking appliances	Briefing Note BNCK01	Modelling and scenario assumptions.
Domestic lighting	Briefing Note BNDL01	Modelling and scenario assumptions.
Domestic heating	Briefing Note BNDH11	
Wet appliances: washing machines	Briefing Note BNW05	Modelling and scenario assumptions.
Wet appliances: tumble driers	Briefing Note BNW06	Modelling and scenario assumptions.
Wet appliances: dishwashers	Briefing Note BNW07	Modelling and scenario assumptions.
Water-using products: baths	Briefing Note BNDW Baths Briefing Note BWAT02	Modelling and scenario assumptions.
Water-using products: showers	Briefing Note BDDW Shower	Modelling and scenario assumptions.
Water-using products: WCs	Briefing Note BDDW WC	Modelling and scenario assumptions.
Water-using products: taps	Briefing Note BWAT03	Modelling and scenario assumptions.
Domestic glazing	Briefing Note BNDG1	Modelling and scenario assumptions.
Commercial lighting	Briefing Note BNCL01	Modelling and scenario assumptions.
Air-conditioning	Briefing Note BNICR26	Modelling and scenario assumptions.
Information and communication technology: non-domestic sector	Briefing Note BNICT01	Modelling and scenario assumptions.
Information and communication technology: non-domestic sector	Briefing Note BNICT02	Modelling and scenario assumptions.
Food products: chicken supply chain	Briefing Note BNF07	Modelling and scenario assumptions.



Related MTP information

- MTP web site - cross sector Briefing Notes:
<http://www.mtprog.com/SelectProductStrategy.aspx?intSelection=-1&intSector=13>.

Changes from version 1.0

This version now includes an executive summary and additional explanatory notes in the introduction. The references to data and assumptions in sections 3 and 4 have been updated to reflect changes in the related Briefing Notes.

Consultation and further information

Stakeholders are encouraged to review this document and provide suggestions that may improve the quality of information provided, email **info@mtprog.com** quoting the document reference, or call the MTP enquiry line on +44 (0) 845 600 8951.

For further information on related issues visit **www.mtprog.com**