SCHEDULE 3

Greenhouse gas criteria

4. In this Schedule—

"actual value method" means the method set out in Part C of Annex 5 of Directive 2009/28/EC of the European Parliament and of the Council on the promotion of the use of energy from renewable sources and amending and subsequently repealing Directives 2001/77/EC and 2003/30/EC(**2**) but with the following modifications to that Part—

(a) in paragraph 1—

(i) for "and use of transport fuels, biofuels and bioliquids" substitute "of solid biomass, biogas or biomethane";

(ii) for "E=total emissions from the use of the fuel" substitute "E=greenhouse gas emissions from the production of the solid biomass, biogas or biomethane"; and

(iii) for "e_u=emissions from the fuel in use" substitute "e_u=zero";

(b) in paragraph 2, for "fuels" and "fuel" substitute "solid biomass, biogas or biomethane";

(c) omit paragraphs 3 and 4;

(d) in paragraph 7—

(i) for each reference to "biofuel" substitute "solid biomass, biogas or biomethane"; and

(ii) omit the words "or bioliquid" in each place in which they occur;

(e) in paragraph 11—

(i) at the end of the first sentence add "and in the case of biomethane shall include emissions from processing biogas into biomethane";

(ii) for "fuel" substitute "solid biomass, biogas or biomethane";

(f) in paragraph 12, after "storage and distribution of finished materials" insert ", except in the case of biomethane";

(g) omit paragraph 13;

(h) in paragraph 14, for "fuel" substitute "solid biomass, biogas or biomethane";

(i) in paragraph 16, for each reference to "fuel" substitute "solid biomass or biogas";

(j) in paragraph 17, for each reference to "fuel" substitute "solid biomass or biogas";

(k) in paragraph 18—

(i) for "fuel" and "fuels" substitute "solid biomass or biogas";

(ii) omit the words "In the case of biofuels and bioliquids,";

(iii) before "and residues from processing" insert "residues from forestry, arboriculture, aquaculture and fisheries";

(l) for paragraph 19 substitute—

"**19.** Where material is added to the solid biomass to act as a binding agent or to reduce the emissions of dust, carbon dioxide, methane or nitrous oxide from the use of the biomass, the material so added shall be considered to have zero greenhouse gas emissions provided that the material so added does not exceed 2% by weight of the solid biomass.

(**2**) OJ L 140 5.6.2009, p16.

"default value method" means the use of the figures set out in the second column of the following table headed "Default values for solid biomass and biogas" to represent 'E' in relation to the corresponding type of fuel set out in the first column of that table;

"energy content" means the energy contained within a substance (whether measured by a calorimeter or determined in some other way) expressed in terms of the substance's net calorific value within the meaning of BS 7420:1991 (Guide for the determination of calorific values of solid, liquid and gaseous fuels (including definitions))(**1**).";

Default values for solid biomass or biogas

Primary solid biomass or biogas	**Default value for greenhouse gas emissions (in grams of $CO_{2\ eq}$ per MJ of heat produced)**
Wood chips from forest residues (European temperate continental forest)	1
Wood chips from forest residues (tropical and sub-tropical forest)	25
Wood chips from short rotation forestry (European temperate continental forest)	4
Wood chips from short rotation forestry (tropical and sub-tropical, for example, eucalyptus)	28
Wood briquettes or pellets made from European temperate continental forest residues where the production process uses wood as fuel	2
Wood briquettes or pellets made from tropical or sub-tropical forest residues where the production process uses natural gas as fuel	20
Wood briquettes or pellets made from tropical or sub-tropical forest residues where the production process uses wood as fuel	17
Wood briquettes or pellets made from the product of short rotation forestry in European temperate continental forest where the production process uses wood as fuel	4
Wood briquettes or pellets made from the product of short rotation forestry in European temperate continental forest	22

(**1**) The ISBN for the English language version of this standard is ISBN 0 580 19482 5. This standard was published by the British Standards Institution on 28th June 1991 and copies, including hard copies, can be obtained at www.bsigroup.com.

where the production process uses natural gas as	
fuel	
Wood briquettes or pellets made from the produce of short rotation forestry in tropical and sub-tropical forest, for example eucalyptus, where the production process	22
uses wood as fuel	
Wheat straw	2
Bagasse briquettes using wood as process fuel	17
Bagasse bales	20
Palm kernel	27
Rice husk briquettes	28
Miscanthus bales	7
Biogas from wheat and straw (wheat whole plant)	21
Biogas from organic maize as a whole plant (maize as main crop)	19