



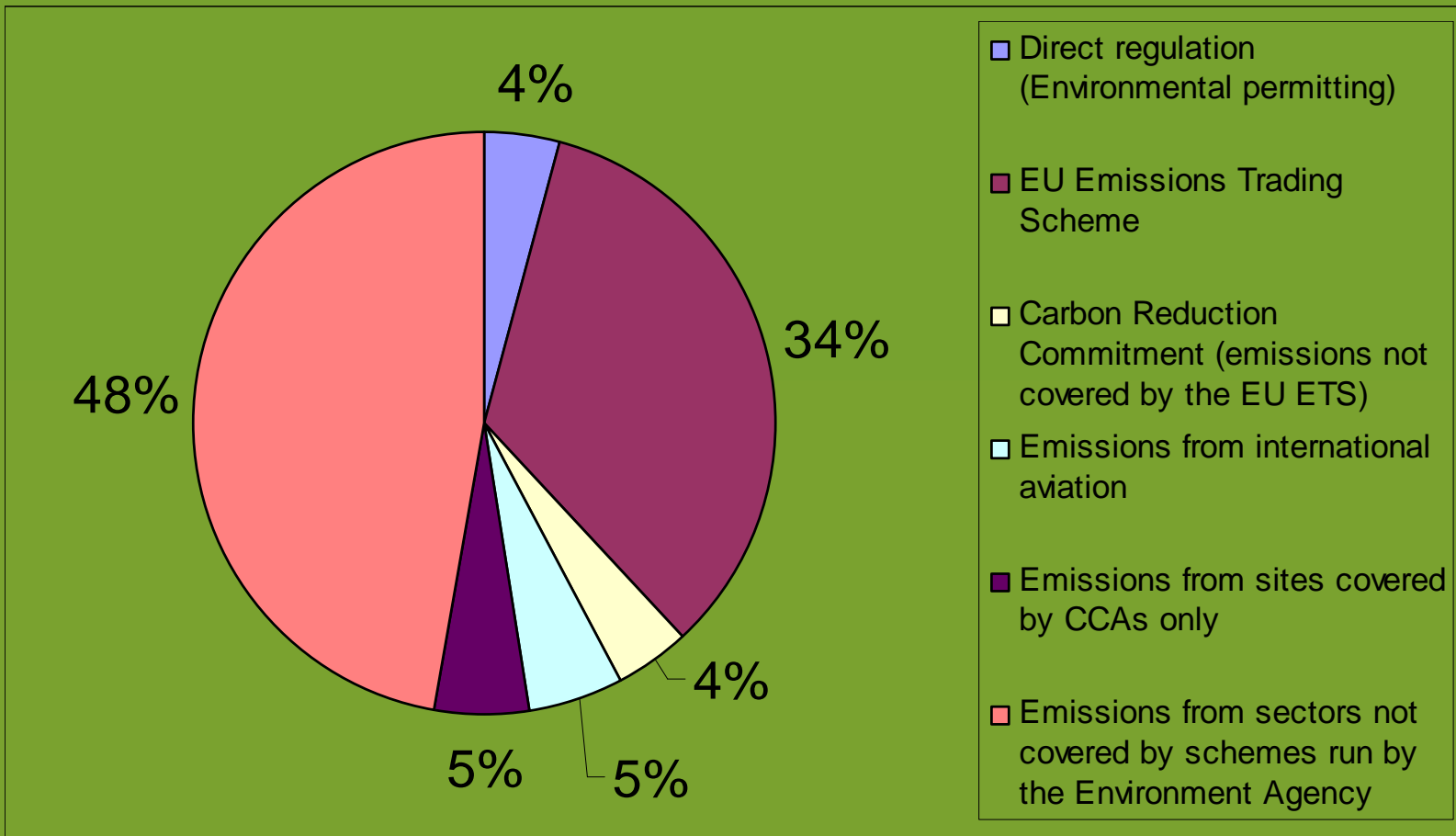
Regulating bioenergy plants to ensure sustainability

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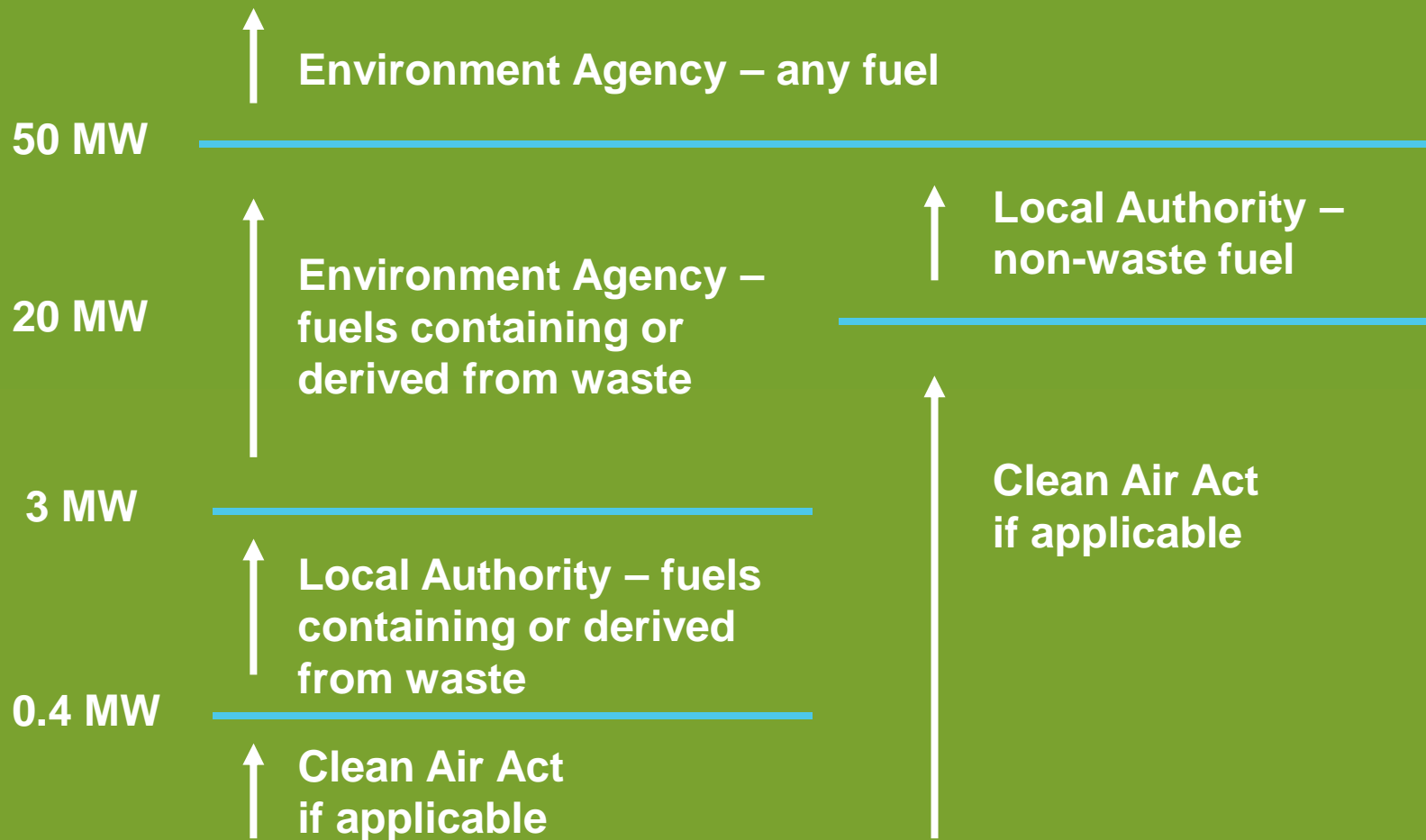
Climate Change Policy Advisor

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Environment Agency regulation and UK greenhouse gas emissions



Air quality and regulation of solid fuels



Environmental impacts beyond the factory gate

- (b) maintain records of raw materials and water used in the activities;
- (c) review and record at least every 4 years whether there are suitable alternative materials that could reduce environmental impact or opportunities to improve the efficiency of raw material and water use; and
- (d) take any appropriate further measures identified by a review.

- 1.4.2. All wood-chip fuel stored at the site shall be stored within designated storage buildings.
- 1.4.3. No wood-chip shall be stored for longer than 21 days before use, unless written approval is received from the Agency.
- 1.4.4. Wood fuel shall be stored in stockpiles not exceeding 15 metres in height.
- 1.4.5. Wood fuel shall only be sourced from sustainable forests approved under established forest certification schemes.
- 1.4.6. Wood fuel shall not be sourced from areas where soils are recognised by an appropriate national or international body to have a radioactive content above normal background for that geographical area.

1.5 Avoidance, recovery and disposal of wastes produced by the activities

- 1.5.1. The operator shall:
 - (a) take appropriate measures to ensure that waste produced by the activities is

"breakdown" is a failure of abatement equipment such that the abated LCP cannot meet an emission limit value in its permit or as otherwise defined in *Protocol For Dealing With The Malfunction Or Breakdown Of Abatement Equipment At Qualifying Large Combustion Plants, June 2006* (or any subsequent revision to this protocol agreed in writing with the Agency)

"emissions to land" includes emissions to groundwater.

"established forest certification schemes" means forest certification scheme approved by the Central Point of Expertise on Timber Procurement (CPET) and its successors as satisfying the UK Government's requirements for the procurement of sustainable and legal timber [The currently approved forest certification schemes are: Canadian Standards Association (CSA); Forest Stewardship Council (FSC); Malaysian Timber Certification Council (MTCC); Programme for the Endorsement of Forest Certification (PEFC); and Sustainable Forest Initiative (SFI)]

"fugitive emission" means an emission to air, water or land from the activities which is not controlled by an emission limit.

"geographical area" - continuous land area of the same soil type and geology.

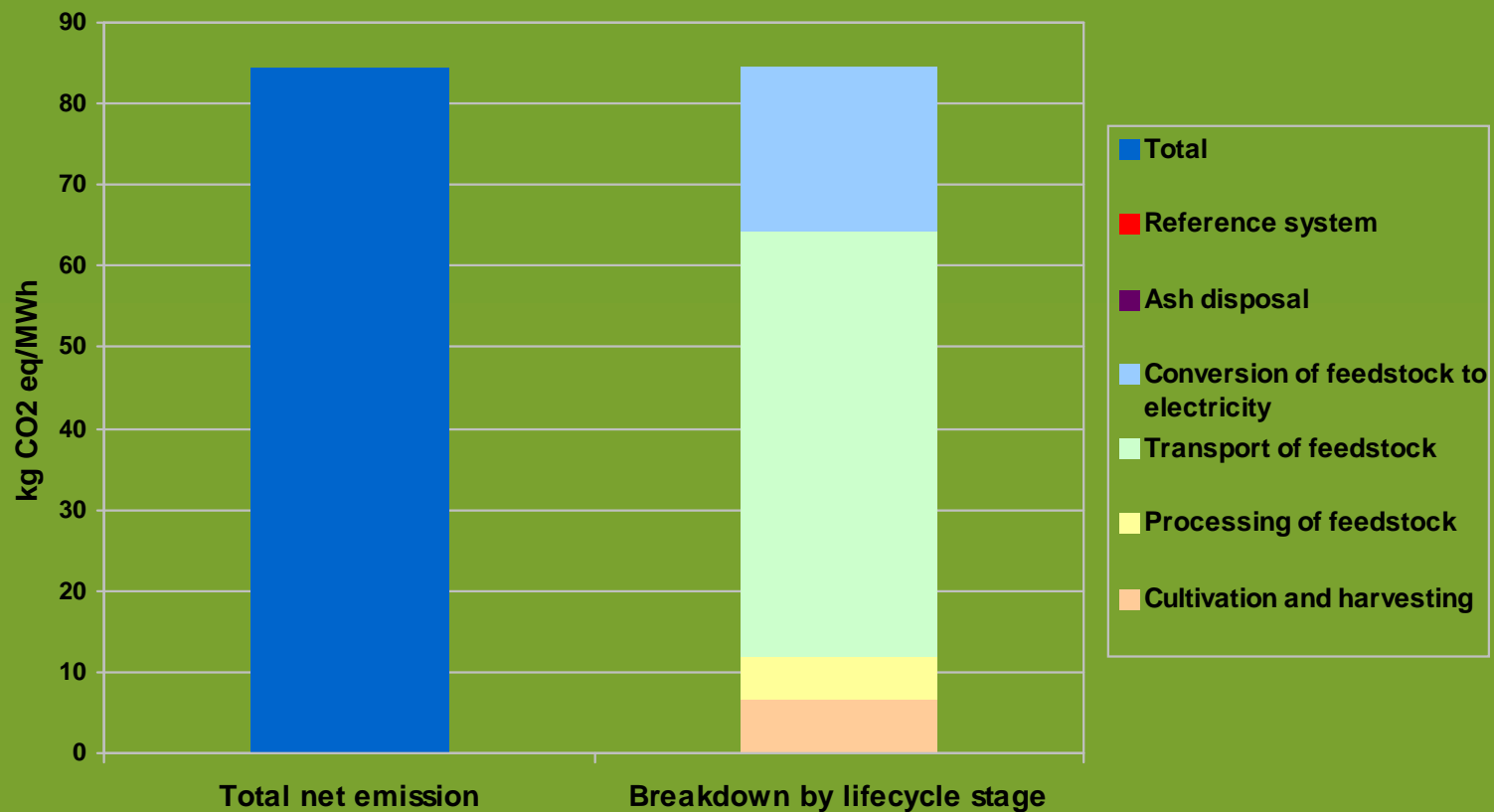
"groundwater" means all water, which is below the surface of the ground in the saturation zone and in direct contact with the ground or subsoil.

"land protection guidance", means Agency guidance "H7 - Guidance on the protection of land under the PPC Regime: application site report and site protection monitoring programme".

"large combustion plant" or "LCP" is a boiler or group of boilers discharging waste gases through a

Lifecycle GHG emissions

Total GHG emissions per MWh of electricity generated





Thank you

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