

1. STEVEN'S CROFT*** Lockerbie, Scotland****Developer:** E.ON UK**Type:** 44 MW dedicated biomass power station**Status:** Under construction, generating electricity from the end of 2007**Crop:** SRC**Fuel contractor:** Renewable Fuels Ltd**Energy crops required:** 4000ha of SRC**Total planted in 2006:** 200ha**More information:**www.renewablefuels.co.uk**2. DIDCOT POWER STATION***** Oxfordshire****Developer:** RWE Npower**Type:** Co-firing with coal**Crop:** SRC and miscanthus**Fuel contractor:** ESD Biomass, Bical (BiCep)**Energy crops required:** Possibly 3-4000ha of SRC, 6000ha of miscanthus**Total planted in 2006:** 45ha of SRC (85 in total). Miscanthus n/a**More information:**www.esdbiomass.co.ukwww.bical.net**3. COTTAM POWER STATION***** Nottinghamshire****Developer:** EDF Energy**Type:** Co-firing with coal (plus other small-scale heat projects)**Crop:** SRC and miscanthus**Fuel contractor:** Koolfuel, Biojoule, Bical (Bied)**Energy crops required:** Depends on contractor - 4000ha for Biojoule, 4000ha miscanthus**Total planted in 2006:** 25ha (250ha in total) for Koolfuel, 180ha for Biojoule**More information:**www.koolfuel.co.ukwww.biojoule.co.uk**4. WILTON 10***** Middlesbrough****Developer:** Sembcorp Utilities**Type:** 30 MW dedicated biomass power station**Status:** Halfway through construction. Generating electricity from 2007.**Crop:** SRC**Fuel contractor:** Greenenergy (via Coppice Resources, Renewable Energy from Agriculture, Renewable Energy Growers)**Energy crops required:** 3000ha of SRC**Total planted in 2006:** 80ha (130ha in total)**More information:**www.coppiceresources.comwww.greenenergy.comwww.refa.org.ukwww.energycrop.co.uk**5. DRAX POWER STATION***** Yorkshire****Developer:** Drax Power Limited**Type:** Co-firing with coal**Crop:** SRC and miscanthus**Fuel contractor:** Renewable Energy Growers/Bical (BiSel)/Coppice Resources**Energy crops required:** n/a ha of SRC, 7000ha+ of Miscanthus**Total planted in 2006:** SRC: 100ha in last two years (1500ha in total). Miscanthus: n/a**More information:**www.energycrop.co.ukwww.bical.netwww.coppiceresources.com**6. ECCLESHALL BIOMASS POWER STATION***** Staffordshire****Developer:** Bical**Type:** 2.2 MW dedicated biomass power station and co-firing**Project status:** n/a**Crop:** Miscanthus**Fuel contractor:** Bical (BiEcc)**Energy crops required:** 1500ha+ of Miscanthus**Total planted in 2006:** n/a**More information:** www.bical.net**7. SRC CHALLENGE***** Northern Ireland****Developer:** Forest Service Northern Ireland**Type:** Small heat and electricity projects**Crop:** SRC**Fuel contractor:** Rural Generation**Energy crops required:** 900ha of SRC**Total planted by 2006:** 600ha**More information:** www.forestservice.ni.gov.ukwww.ruralgeneration.com**8. SLOUGH HEAT AND POWER***** Berkshire****Developer:** Slough Heat and Power**Type:** 40 MW dedicated biomass power station**Crop:** SRC**Fuel contractor:** TV Bioenergy**Coppice****Energy crops required:** 1000ha of SRC**Total planted in 2006:** 55ha (110ha in total)**More information:** www.tvbioenergy-coppice.co.uk**9. CHARLTON ENERGY***** Frome, Somerset****Developer:** Charlton Energy**Type:** 7 MW dedicated biomass power station**Status:** Granted planning permission. Hoping the plant will be generating within 15 months**Crop:** Miscanthus (possibly SRC)**Fuel contractor:** Bical (BiCep)**Energy crops required:** 20% from energy crops - about 1200ha, mostly

BIOENERGY

Producing crops for energy markets, whether it's bio-provide useful markets in the future. **Kevin Lindegaa****OTHER PROJECTS****WISSINGTON***** King's Lynn, Norfolk****Developers:** BP/DuPont/Associated British Food**Type:** proposed biobutanol (a higher-energy version of bioethanol) plant**Status:** Will be built by harvest 2008 if ethanol-from-sugar beet project at Wisington proves successful.**Crop:** Wheat**Fuel contractor:** Frontier**Energy crops required:** Possibly up to 1m tonnes a year**More information:**www.frontierag.co.uk**UK****Developer:** Abengoa**(Europe's largest bioethanol producer, based in Spain)****Type:** Proposed bioethanol production plant**Crop:** Wheat**Status:** Abengoa offered fixed-price contracts for 50,000t of UK grain earlier this year to supply its new factory in NW Spain. Longer-term it plans to build a plant in the UK to cut grain haulage costs**Fuel contractor/energy crops required/more info:** Tba**IMMINGHAM***** Humberside****Developer:** Green Spirit Fuels**Type:** Proposed bioethanol plant**Crop:** Wheat**Status:** Applying for planning permission for site that is expected to be running by 2010.**Energy crops required:** 600,000-700,000t of wheat**More info:**www.greenspiritfuels.com**IMMINGHAM***** Humberside****Developer:** Bioethanol Ltd**Type:** Proposed bioethanol plant**Crop:** Wheat**Status:** Construction due to begin this winter; factory operational by 2008**Fuel contractor:** Centaur Grain**Energy crops required:** 325,000t of wheat**More info:** www.centaurgrain.com

NORTHERN IRELAND

IRELAND

Belfast

17

Plymouth

CONTRACTS

diesel, bioethanol or power generation, promises to
rd compiled a list of current and potential projects



miscanthus

Total planted in 2006: 150ha so far

More information: www.bical.net

10. ROVES ENERGY

* **Frome, Somerset**

Developer: Roves Energy

Type: 2 MW dedicated biomass combined heat and power station

Status: Applying for planning in 2006

Crop: SRC

Fuel contractor: ESD Biomass

Energy crops required: 5000ha

Total planted in 2006: 20ha (55ha in total)

More information:

www.esdbiomass.co.uk

11. SCOTTISH COAL

Developer: Scottish Coal

Type: Proposed dedicated biomass plant in Tullis Russell in Glenrothes. Also co-firing.

Status: Planning permission granted and grid connection in place.

Crop: SRC

Fuel contractor: Scottish Biofuel

Energy crops required: 22,000ha of SRC for Tullis Russell and 4000ha for co-firing.

Total planted in 2006: 110ha plus 40ha in 2005

More information:

www.scottishcoal.co.uk/sbf

12. ABERTHAW

* **Barry, W Glamorgan**

Developer: RWE Npower

Type: Co-firing

Crop: SRC and miscanthus

Fuel contractor: none as yet

Energy crops required: Could be huge, but depends on Welsh Energy Crops Scheme

Total planted in 2006: None

More information: www.npower-renewables.com

13. WISSINGTON

* **near King's Lynn, Norfolk**

Developer: British Sugar

Type: Sugar beet for bioethanol

Status: Currently building plant.

Production of bioethanol from 2007

Crop: Sugar beet

Fuel contractor: British Sugar

Energy crops required: 55,000t of sugar beet a year

More information: www.britishbioethanol.co.uk

14. HENSTRIDGE

* **Somerset**

Developer: Green Spirit Fuels

Type: Wheat for bioethanol

Project status: About to start construction. Production of bioethanol from 2007

Crop: Wheat

Fuel contractor: Wessex Grain

Energy crops required: 330,000t of

wheat a year

More information:

www.greenspiritfuels.com

www.wessexgrain.co.uk

15. IMMINGHAM

* **Kingston upon Hull**

Developer: Greenenergy (with Cargill and Tesco)

Project type: Oilseed rape for biodiesel

Project status: Under construction. Production of biodiesel from end 2006.

Crop: Oilseed rape

Fuel contractor: Field to Forecourt

[available from Frontier, Grainfarmers, REFA, G Williams and Co (Grain), J Dawson and Sons]

Energy crops required: 160,000t of oilseed rape a year

More information:

www.greenenergy.com

16. WEST MIDLANDS

Developer: John Amos and Co.

Type: Small heat and electricity projects

Status: Offering contracts to farmers for various projects,

Crop: Miscanthus

Fuel contractor: John Amos and Co.

Energy crops required: 2500ha miscanthus

Total planted in 2006: 150ha (taking total to 300ha)

More information:

www.johnamos.co.uk

17. BLUESTONE PROJECT

* **South Wales**

Project developer: Pembrokeshire Bioenergy

Project type: Heating fuel for 400 log cabins in a holiday complex and other projects

Crop: Miscanthus

Fuel contractor: Pembrokeshire Bioenergy

Energy crops required: Depends if Wales gets an energy crops scheme.

Total planted by 2006: 100ha

More information:

pwratcliffe@pbe.org.uk

18. ELY POWER STATION

* **Cambridgeshire**

Developer: Energy Power Resources

Project type: 38 MW dedicated straw burning power station

Crop: Wheat (some miscanthus)

Fuel contractor: Anglian Straw (ADAS are sub contractors for miscanthus)

Energy crops required: 200,000t of straw including 300-500ha of miscanthus

Total planted by 2006: 300ha

More information: www.epri.co.uk/assets/anglian/overview.html
peter.nixon@adas.co.uk

Missed off? Email your details to david.cousins@rbi.co.uk