

New Supports for Bioenergy Implementation in Ireland

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COFORD – Quality-Based Forest Fuel Supply Chanis 12th December 2007



Overview



- Background
- National Policy
- Government support
- Greener Homes Scheme
- ReHeat programme
- Biomass CHP programme
- **Programmes' information**
- Summary & Questions

Background



Bioenergy Strategy Group

- Established in 2004
- Identify policy options / make recommendations
- Focus on heat and electricity
- Report *Bioenergy in Ireland*, 2006 <u>www.sei.ie</u> / REDG Publications.

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Bioenergy Strategy Group

- Key recommendations
 - "Wood heat in buildings a major opportunity for market growth ...from houses up to large public and commercial buildings"
 - A grant scheme to be put in place to support bioheat systems
 - Biomass CHP and AD CHP significant potential

National Policy



Ministerial Task Force on Bioenergy - 2006

 to "draw up a comprehensive national bio-energy action plan by the end of 2006, which "will set ambitious targets for deployment of bioenergy, identify priority areas for development and the necessary support measures to encourage supply and demand".

Bioenergy Action Plan for Ireland – 2007

<u>www.dcmnr.gov.ie</u> / Energy / Sustainable and Renewable Energy Division / Report for website.htm





- Energy Green Paper 2006
- Delivering a Sustainable Energy Future for Ireland – 2007

www.dcmnr.gov.ie / Energy / Energy White Paper 2007

National Policy - Heat



- 5% renewable heat by 2010
 - Bioenergy the key contributor
- 12% renewable heat by 2020
 - Bioenergy the key contributor

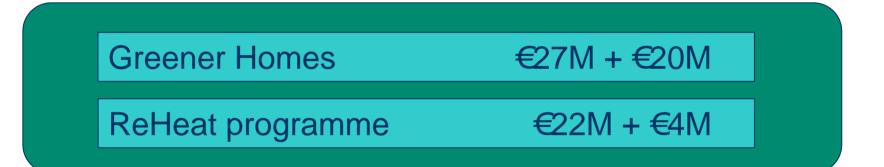
National Policy - Electricity



- 15% renewable electricity by 2010
 - Bioenergy a contributor
- 33% renewable electricity by 2020
 - Bioenergy a contributor
 - 30% co-firing in peat plants (by 2015)
 - 800 MWe CHP with "emphasis on biomass CHP"



Budget Announcements 2005 & 2006



2006 - 2010

Programmes' timescale



Budget Announcement 2005

CHP – Capital support

€11M

Programmes' timescale

2006 - 2010

REFIT Programme May 2006

Biomass Landfill Gas

€70/MWh

Other Biomass



Greener Homes Scheme



Domestic Heat





Greener Homes Scheme

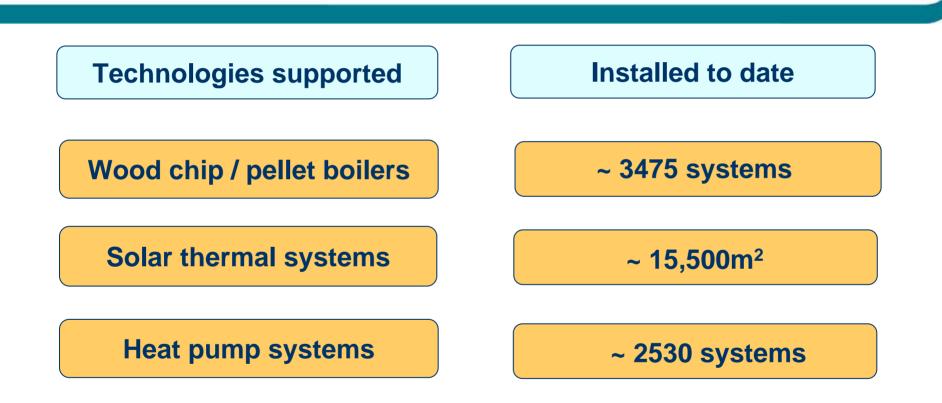




Expected CO₂ reductions ~ 40,500 tonnes per year

Greener Homes Scheme





Expected CO₂ reductions ~ 20,000 tonnes per year



Commercial / Industrial Heat



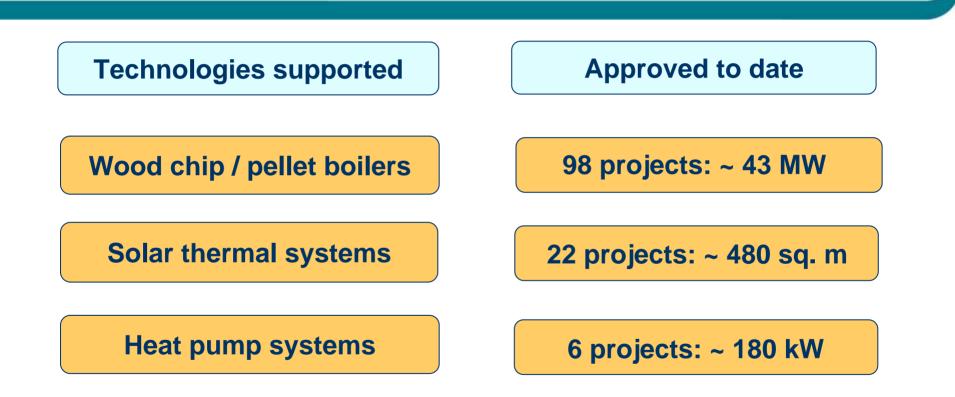






Expected CO₂ reductions ~160,000 tonnes per year





Expected CO₂ reductions ~50,000 tonnes per year



Kelly's Resort Hotel, Rosslare

- 350 kW boiler
- Wood chip fuel
- Operational February 06





Gardenfield Mushrooms

- 150 kW boiler
- Wood chip fuel
- Operational March 06





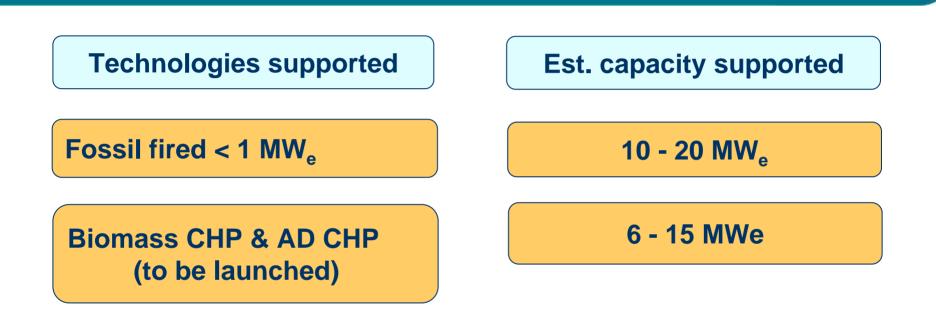
Mid-Cork Pallets

- 1.8 MW boiler
- Wood chip fuel
- Operational Sept 06



Biomass CHP programme





Expected CO₂ reductions ~120,000 tonnes per year

Biomass CHP programme



Graingers sawmill

- 1.8 MWe
- 3.5 MWth
- Operational May 04





Greener Homes Scheme: www.sei.ie/greenerhomes

ReHeat Deployment:

www.sei.ie/reheat

(Biomass CHP / AD CHP: www.sei.ie/bio_chpgrants





- Bioenergy Strategy Group recommendation on heat
- National Policy with ambitious bioenergy targets
- Government support through Budget allocations





- Greener Homes Scheme addressing domestic sector
- ReHeat Programme addressing the commercial / industrial sectors
- Biomass CHP / AD CHP to be launched



Thank You.

QUESTIONS