Country update
Netherlands April 2010

IEA-Bioenergy
Meeting Task 37

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>> Focus on energy and climate change
Content

-Project development and new subsidy schemes 2010
-Recently finalised feasibility study Grid injection at Haaften
-On-going projects
-Regional stimulation initiatives
Project developments

Expected yearly growth:
- 35 MWe (with a bonus in case of useful application of heat)
- 50 millionNm3/y production capacity for up-graded biogas

- Very much focus on Biogas up-grading with gas grid injection
- Cooperative approach for several Green Gas projects first option.
SDE-subsidy schemes 2010  
(small scale project stimulation)

- Biomass: – Renewable Electricity  
  Budget 2010 € 651 million (over 12 years)  
  co-digestion: basis production price € 0,165(€ 0,193)/kWh  
  correction price (commodity energy value) of € 0,047/kWh

- Biomass: – Renewable gas (+/- 50 million Nm3/y)  
  Budget 2010: € 214 million (over 12 years)  
  - (co)digestion of animal manure     (0,635 – 0,208)  
  - digestion of green household waste (0,465 – 0,208)  
  - digestion other biomass           (0,583 – 0,208)  
  - landfill gas                      (0,218 – 0,208)  
  - sewage sludge                    (0,218 – 0,208)
Feasibility study Grid injection at Haaften
Investment costs of several scenarios (production capacity: 1400 Nm3/h biogas)
On-going projects

- Demonstration of small scale odorisation equipment
- Monitoring activities on 3 green gas projects
- Voluntary agreement for the use of Green Gas in the mobility sector
- Development of grid injection scenarios
- Tender: “An Effective and Efficient Biogas Chain”
  - substantially improve the cost-effectiveness of the renewable gas production chain;
  - remove technical barriers for feeding renewable gas into the gas grid or for delivery of this gas to filling stations
- Planning for project evaluation of digesters:
  Phase 1: generating general figures of performance of digesters
  Phase 2: detailed one year monitoring of 20 digesters with focus on process improvements
- Publishing an action plan (Jan. 2010):
  “Towards a mature green gas market”
Action plan: Towards a mature green gas market

A new market thrives with transparency and knowledge sharing. Therefore, an investigation is now being carried out into the possible support among stakeholders for a Green Gas knowledge centre.
Region;
Possibilities grid injection, Year based versus hourly based

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Regional approach Implementation biogas projects

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