CODE2

Cogeneration Observatory and Dissemination Europe

D2.4 First draft of final CHP Roadmap
NETHERLANDS

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The North Western Europe CODE2 Region draft Roadmap for non-pilot Member States.

The CODE2 Region 'North Western Europe' comprises the following Member States: Belgium, Ireland, Luxembourg, Netherlands and United Kingdom

Introduction

The draft Roadmap for the pilot Member State Netherlands in the North Western Europe CODE2 Region is submitted separately. The following update covers the non-pilot Member States.

A three parts structure has been agreed for the roadmaps:

1) Where are we now? Background and situation of cogeneration in the Member State
2) What is possible? Cogeneration potential and market opportunities
3) How do we arrive there: the Roadmap

Following the North Western Europe CODE2 Region Workshop, the format and final content outline for the individual non-pilot Roadmaps will be finalised. All of the Roadmaps for the Region will be available in September 2014.

What follows gives an overview of the progress on the Roadmaps for non-pilot Member States in the Region following the structure of the final Roadmap.

Chapter 1 - Where are we now? Background and situation of cogeneration in the Member State

1.1, 1.2, 1.3 Current status, Energy and Climate Strategy, Policy Development

Status of information gathering (list main sources)	Literature study: • European Cogeneration Review – The Netherlands • Duurzaamheid vraagt Efficiëntie • Double energy helps halve Dutch energy consumption! • De zonnige kant van Efficiëntie • Beyond the obvious CHP • Potentieel voor hoogrenderende WKK in Nederland Discussions with Kees den Blanken of COGEN Nederland
Significant gaps	Reasons for the decline of CHP are being explored
Planned actions	Contact our contact person next week

1.4 Awareness

Process of developing awareness assessment	Information gathering based on standard CODE2 awareness form
Status of analysis	Knowledge general awareness
Significant gaps	Awareness specific for each stakeholder
Planned actions/key milestones	Information gathering planned the next month

1.5 The economics of CHP

Process of developing economics assessment	CHP economics analysis based on standard CODE2 calculation tool
Status of analysis	Nothing done yet – waiting for the final CHP economics calculation tool
Significant gaps	• Detailed list of support for each technology • Investment and Operation costs
Planned actions/key milestones	Check literature and experts next months

1.6 Barriers to CHP

Process of developing barriers assessment	• Literature • Discussion with experts
Status of analysis	Literature study
Significant gaps	More context information
Planned actions/key milestones	Discussion with experts

Chapter 2 - What is possible? Cogeneration and market opportunities

2.1 Market opportunities

Method of assessment of opportunities	Literature, particularly: • Potentieel voor hoogrenderende WKK in Nederland • Overzicht van het warmtepotentieel in Nederland • Onderzoek groeipotentieel van warmtekrachtkoppeling in de Nederlandse aardolieraffinage sector en de daarmee te realiseren brandstofbesparing en CO2-emissiereductie • Technisch potentieel van lokale centrale duurzame energie opwek oplossingen in 2020
Progress to date	Literature study
Planned actions	Summarise literature study

2.2 Considering the framework of the EED

This section will be developed following the first Member State workshop and will be based on the regional pilot Roadmap and the outputs from the workshops.

Chapter 3 - How do we arrive there: the Roadmap

3.1. Overcoming existing barriers and creating a framework for action

Status	Start phase
Planned actions	Further discussions with experts

3.2 Possible paths to growth

Status	Not yet considered
Planned actions	To be further developed