







WP 2.4

Region Zealand Energy strategy (English summary)

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Region Zealand Energy Strategy

The purpose in the report is to outline an energy strategy for Region Zealand, based on the targets for the amount of renewable energy, formulated by the Regional Council. The report first starts with the regional objectives and compares them with the national objectives. Region Zealand has a higher goal of share of renewable energy than the national target. The following targets for Region Zealand in short and longer term:

- Short term: 40% renewable energy with focus on heat and electricity in year 2020.
- Mid-term: 55% renewable energy with focus on all energy areas in year 2030
- Long term: 100% renewable energy in year 2050.

The main themes of the strategy are as follows:

The region faces a major challenge in relation to the 2030 target (mid-term) where the changes in production and consumption must take place. Large *scale investments* are needed. There is a need for mobilization of investments and there is a need to create a common implementation effort. The experience clearly shows that the will be very different from municipality to municipality. The strategy and its elements must be adapted to the individual municipality according to their resource potentials, the need for technical change and the financial and decision-making resources that are in place in *each municipality*.

Our conclusions are:

- 1) Target setting: The central element of the regional energy strategy is the target setting for year 2020 and 2030. It is assumed that the regional target setting will follow the national targets up to 2030. It implies the following targets up to 2030:
- 55% renewable energy,
- 100% electricity generation and
- 90% of district heating on renewable sources.

These objectives must be implemented on the basis of three binding EU-target settings, namely the reduction of greenhouse gases, increased energy efficiency and the increase of renewable energy. Assuming the successful implementation of the targets for energy efficiency, the regional targets for renewable energy can be formulated as follows: An increase in renewable energy from 6,975 GWh in 2015 to 8,747 GWh in 2020 and to 8,780 GWh in 2030. If the energy efficiency (energy savings) is not increased, the needed implementation of renewable energy will be: 9,719 GWh in 2020 and 13,364 GWh in 2030.

2) Municipal support: Region Zealand has set goals for the share of renewable energy, that are in line with or better than the national targets: They already set 40% by 2020, and they are expected to set a goal on 55% by 2030. The Each of the municipalities in the region basically assumes to set up the same goals. The specific target for each municipality might be modified according to possibilities (renewable energy resource and actual framework conditions). If a given municipality will not able to contribute to the full share of renewable energy, the amount of renewable energy implemented in other municipalities must be increased to achieve the targeted percentages.

It is further assessed that Region Zealand can play a positive role in a number of issues: Supporting the strategic planning in the municipalities, supporting spatial planning, ensuring multilateral benefits in











the implementation of the renewable energy plants, investment support and support for the implementation processes in the individual municipalities.







