Renewable Heating and Cooling from the Dutch Perspective

Houses of the Future - According to the Past - 1960 view on 2000
Biggest transition of the century challenges in everything

- Technology and systems
- Spatially
- Infrastructure
- Human nature/societal
- Businessmodel
- Legislation and regulation
- Municipalities don’t lack big ambitions but they lack people, knowledge, experience, skills, budget
1 TWh =

- 108-144 Windturbines (3MW)
- 1000-1800 HA zonneveld
- 360.000 Woningen met zonnedaken
- 17.100 HA biomassateelt
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- 17,100 HA biomass cultuur
- 69 Dagen Hemweg centrale
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Impact Local energy Initiatives 2019

• 582 cooperatives/ local initiatives or 85,000 citizens

• 649 projects in collective sunPV delivering electricity to 35,000 households and 119 MWp a year. 2% of all sunPV in Holland Growing with 180 projects a year of which 36 solar fields. 60% growth was realised last year.

• 193 MW wind (+35MW/22% growth from 2018) electricity for 200,000 households, 5.6% of all wind

• 37 active on heat transition, a few heat coops, one existing cooperative owned heat network and more following
Innovation? Experimenting? YES do we have a clue? No

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What can municipalities do?

- Make sure you involve people in the “Regional energy strategy” RES and Heat vision.
- The heatvision includes local heat sources and temperatures.
- Build on coalitions of the willing.
- Start with the social housing corporations and learn from pilots.
- Facilitate local groups with first steps to get more enthusiasm.
- Make the issue broader: a healthy local...
What can Citizens do?
Get ready!

how low can you go?

• Know your own home
• Use your HR as a HR not as a CV
• All the small stuff that helps
• Insulate, optimalise, elektricity groups and induction cooking
• Join a local initiative and start talking and learning
• Decide what is important based on knowledge
Try to predict our future in 2060?