



Netherlands Enterprise Agency



# The role of heat supply in the energy transition in the Netherlands

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>> Sustainable. Agricultural.  
Innovative. International.



## Recent policy documents

- 1.000.000 household eq attached to heat supply in 2020
- Heat supply will probably play significant role in provide CO2 free energy supply in 2050
- In new housing schemes no natural gas
- Obligation for grid operator to attach houses to gasnetwork disappears
- Type of future energy network is local government decision

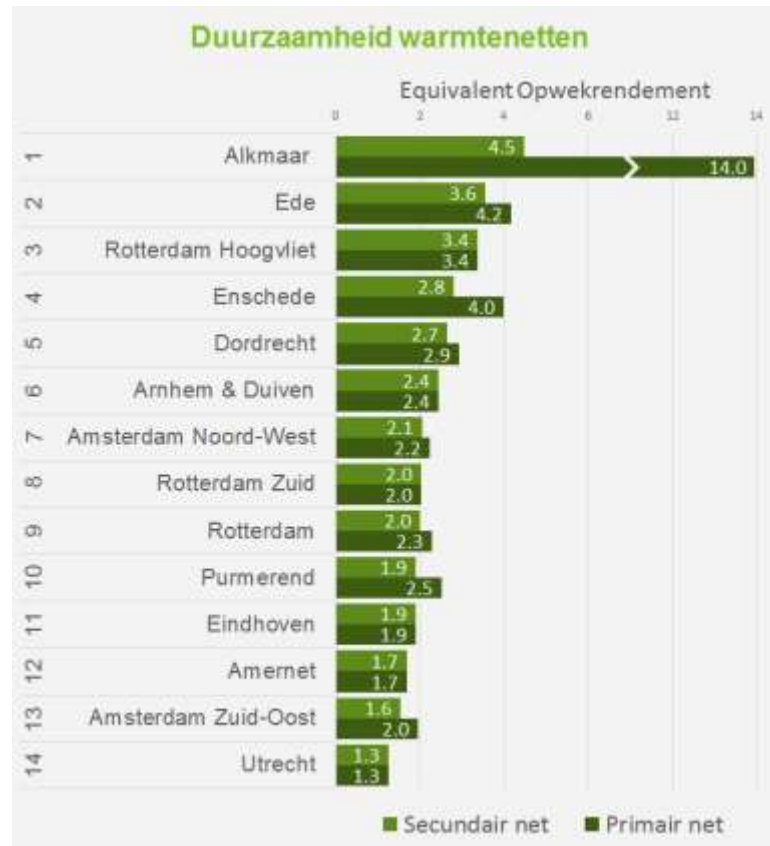


# Larger heat networks in the Netherlands

Utrecht	52,8	2,9	Eneco
Rotterdam	53,1	3,4	Eneco & Nuon
B3-Hoek	0,1	2,1	Eneco
Den Haag	4,9	1,1	Eneco
Ypenburg	10,1	0,3	Eneco
Amsterdam Zuid- en Oost incl. Amstelveen	15,5	1,3	Nuon & Eneco
Amsterdam Noord- en West	10,0	0,6	Nuon
Almere	49,0	1,7	Nuon
Lelystad	4,8	0,2	Nuon
Leiden	8,3	0,7	Nuon
Arnhem, Duiven en Westervoort	13,9	0,6	Nuon
Amernet	32,5	2,7	Ennatuurlijk
Enschede	6,3	0,5	Ennatuurlijk
Helmond	6,4	0,2	Ennatuurlijk
Eindhoven	4,1	0,2	Ennatuurlijk
Alkmaar, Heerhugowaarden Langedijk	4,6	0,2	HVC
Purmerend	25,9	0,8	Stadsverwarming Purmerend
<b>Total</b>	<b>299</b>	<b>19,6</b>	

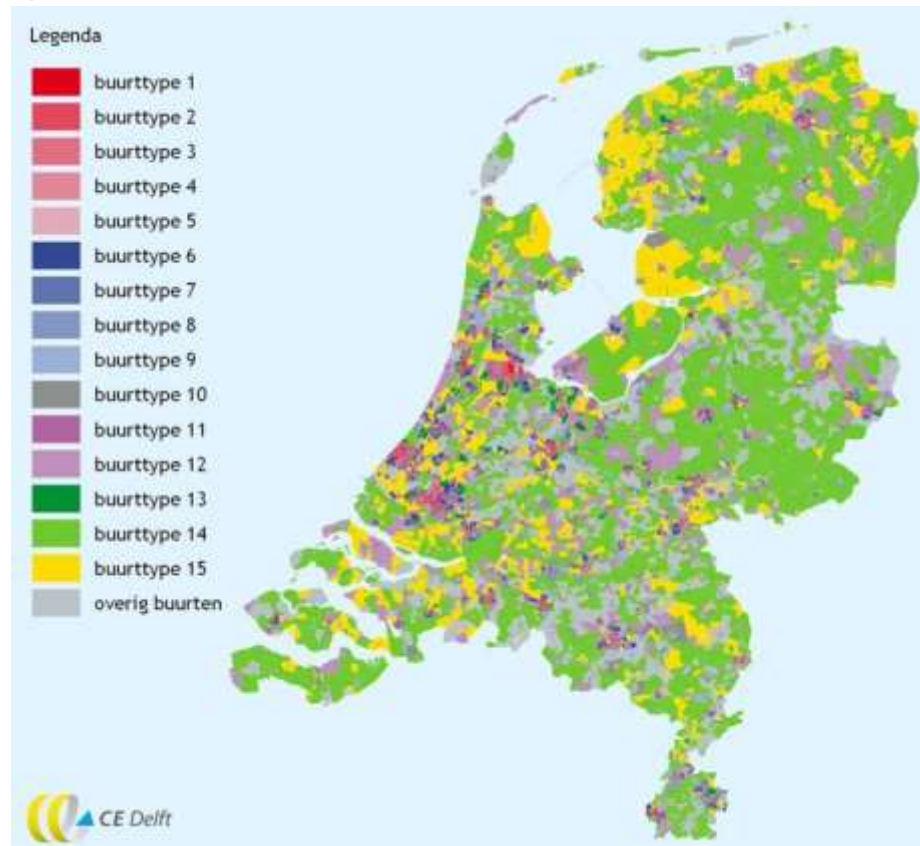


# Primary energy factors



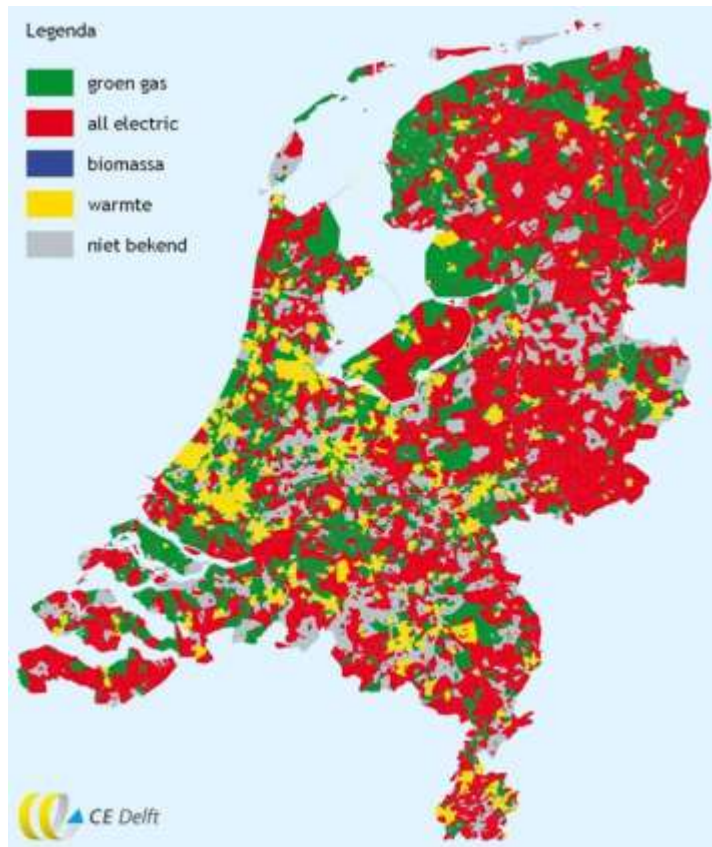


# Types of neighbourhoods in The Netherlands



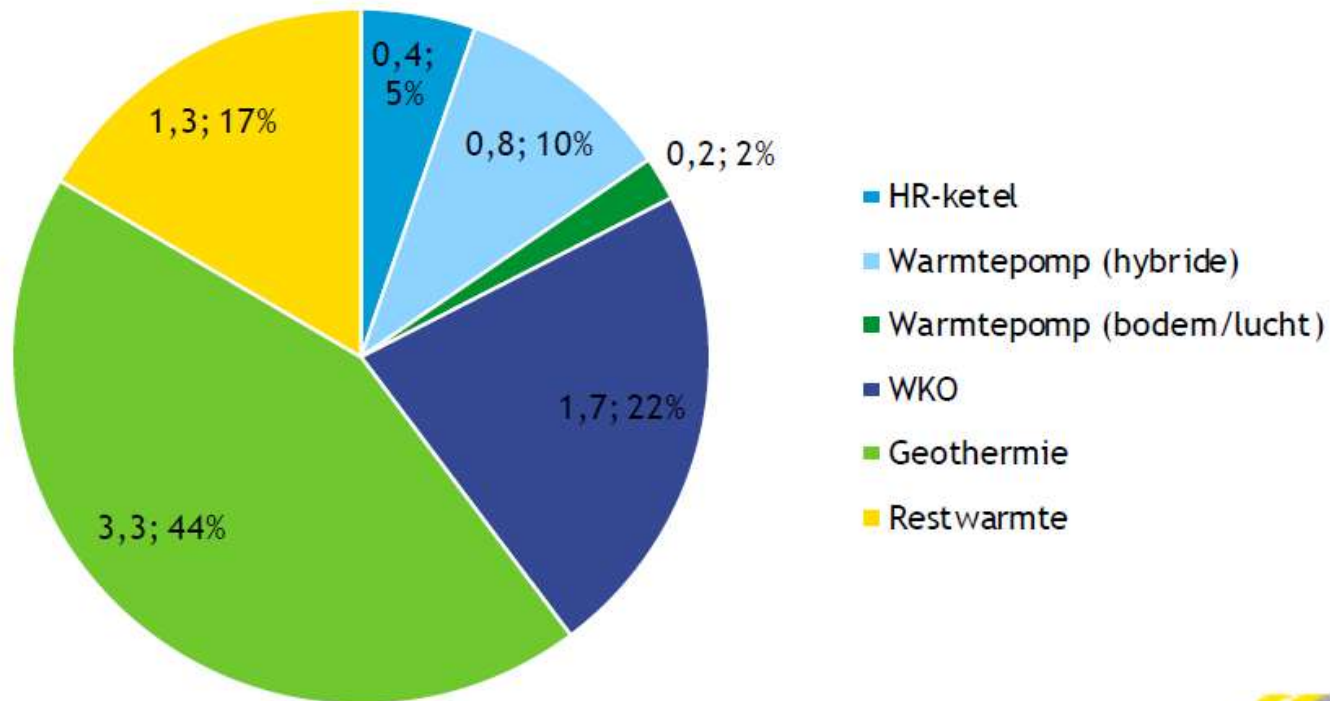


# CE Delft: a scenario 2050



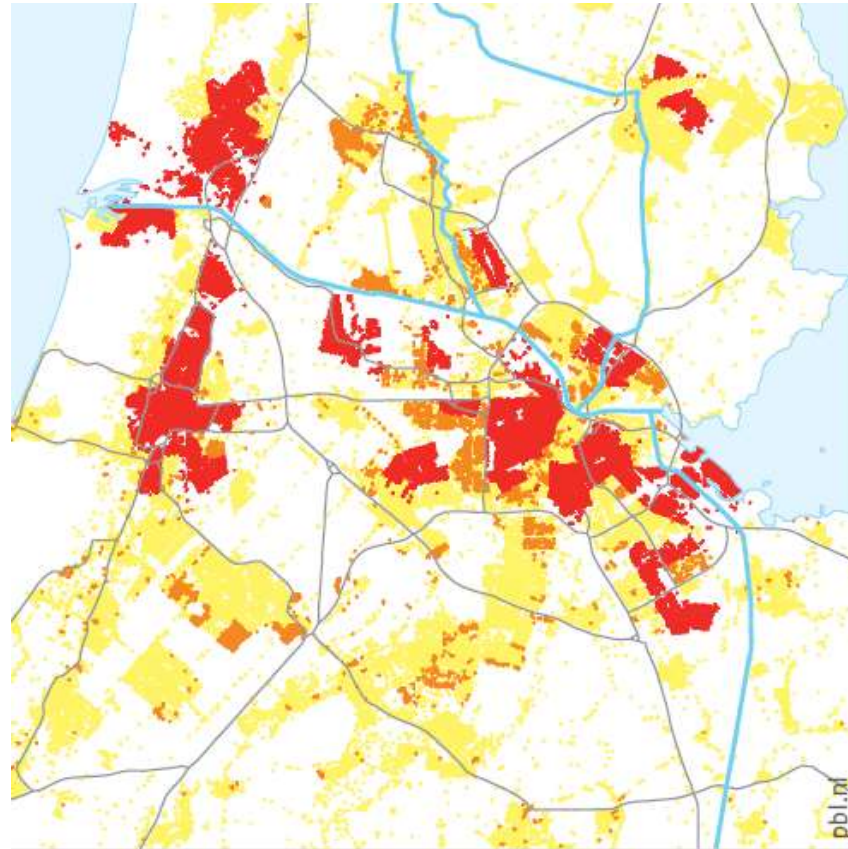


# CE Delft study (update 2016): heating dutch buildings in 2050





# PBL study 2012 – Amsterdam region









## Green Deal Aardgasvrije Wijken

30 municipalities  
existing neighbourhoods  
many challenges:

- \* which alternative
- \* financial
- \* regulatory issues
- \* democratic process
- \* communication

sharing knowledge in the Green  
Deal process