

Windgas Haßfurt Why Windgas?

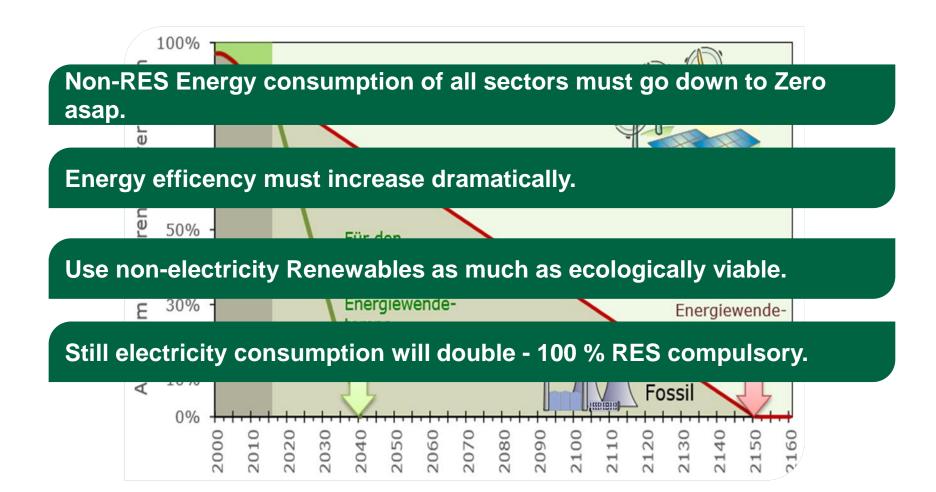


- Because energy transition needs it.
- What Greenpeace Energy does:
 - Scientific research.
 - Lobbying.
 - Raise public awareness.
 - proWindgas as "market maker":
 - Product that mixes natural gas witha (small) share of Windgas;
 - Customers pay 0,4 ct/kWh premium.
 - Installation/Operation of electrolysers.
 - Purchase of Windgas from electrolysers in possession of others.



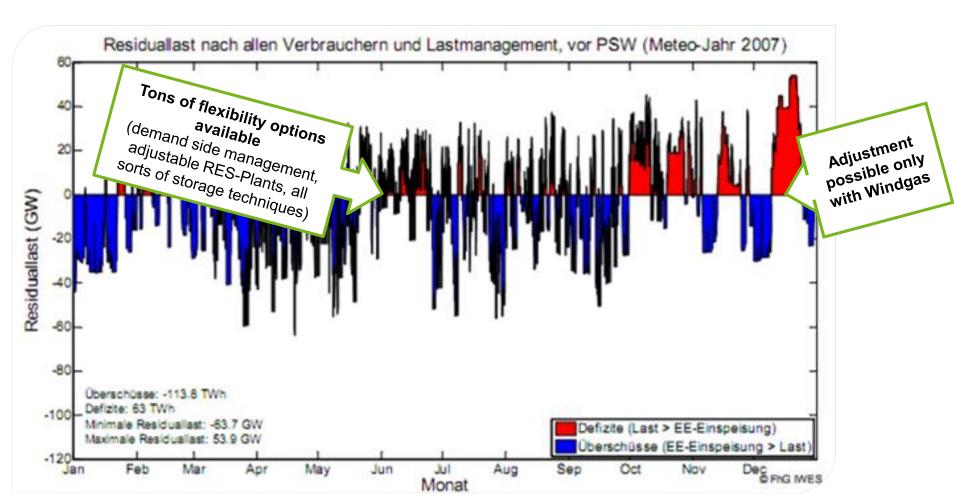


Windgas-Perspektiven Consequence of Paris Climate Treaty





Windgas Security of Supply with 100 % RES





Windgas-Perspektiven Windgas concept as "Residual Power Plant"

76 GW Gas power plants – using renewable Gas (Windgas etc)
Assumption: 1.500 full load hours/y, 60 % efficiency

80 GW Electrolysers
Assumption: 3.000 full load hours/y, 80 % H₂-efficiency (+ 75 % CH₄-efficiency)

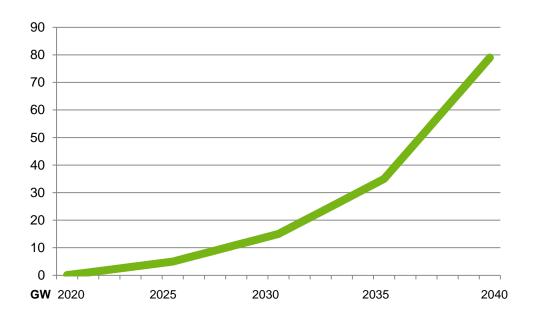
Speed of installation of Electroysers in Germany

2020-2025: 1 GW/a

2025-2030: 2 GW/a

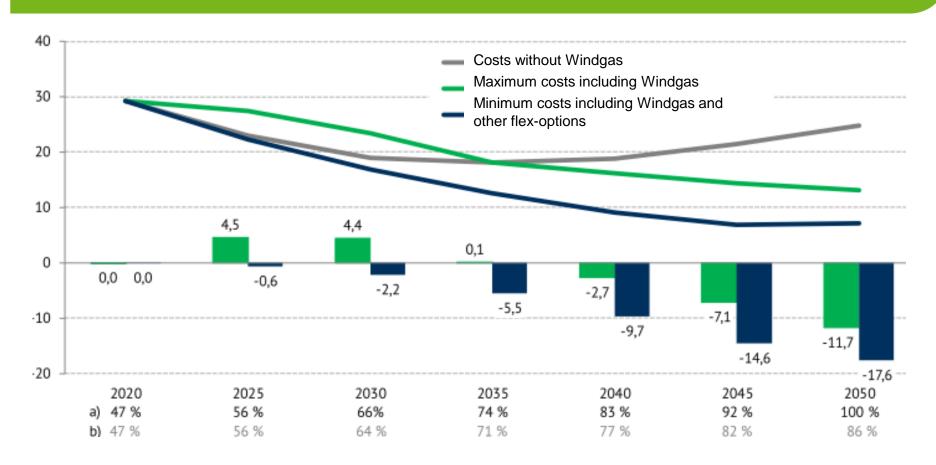
2030-2035: 4 GW/a

2035-2040: 8 GW/a



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Windgas Cost of Energy Transition with / without Windgas



Year and RES percentage achieved a) with Windgas b) without Windgas

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