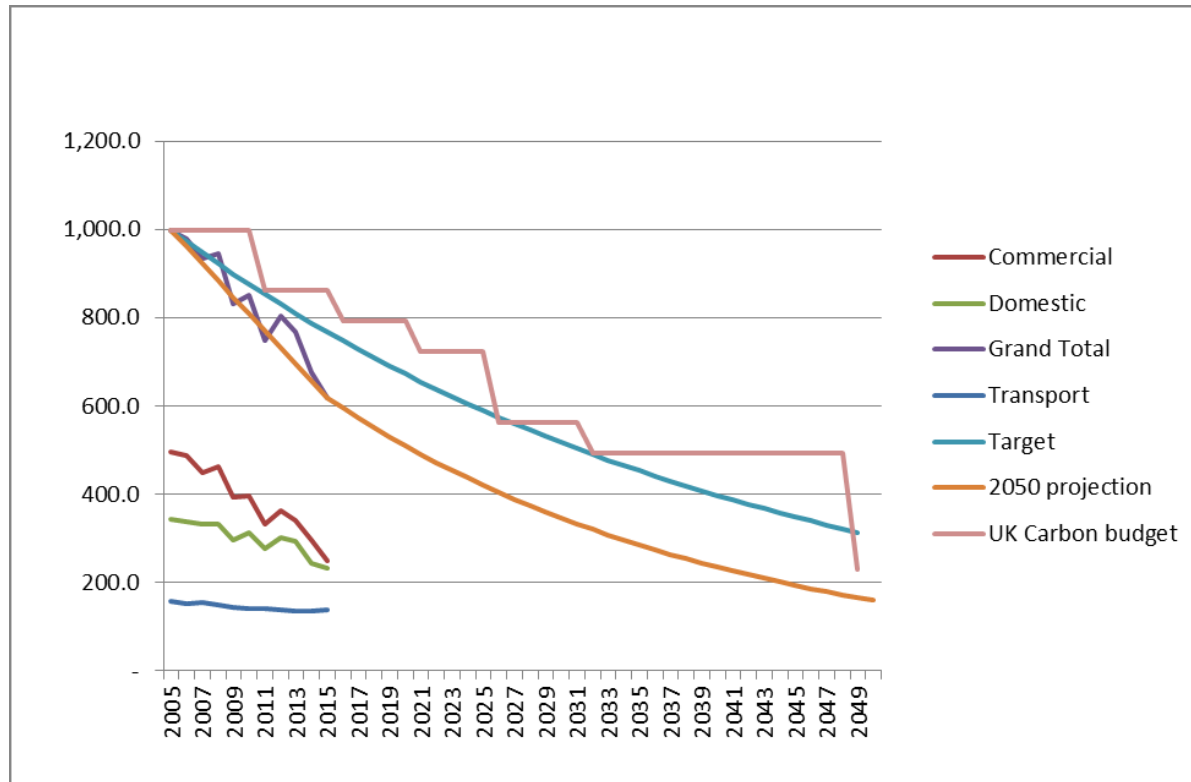


Reading Pathway to Zero Carbon 2050



Emissions of CO₂ Reading 000's tonnes





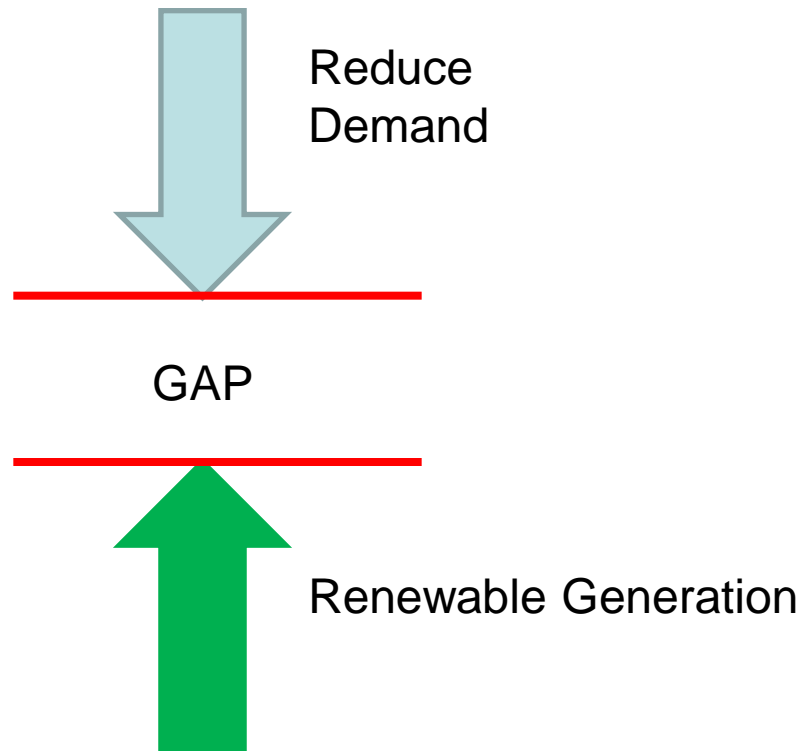
**UK:
100**



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1795 GWh



Reducing Gas Demand

- Pre 1919 Housing 63% reduction
- Other housing 50% reduction
- Social Housing 40% reduction
- New housing Zero carbon - 0*
- Commercial gas 50%

* actually not quite!



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Reducing Electricity Demand

Housing -59% (LEDs, AAA+ appliances)

Commercial and Industrial -50%

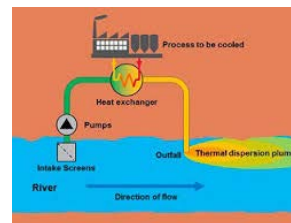
Water/Ground Source heat pumps +14%

Electric Vehicles +12%

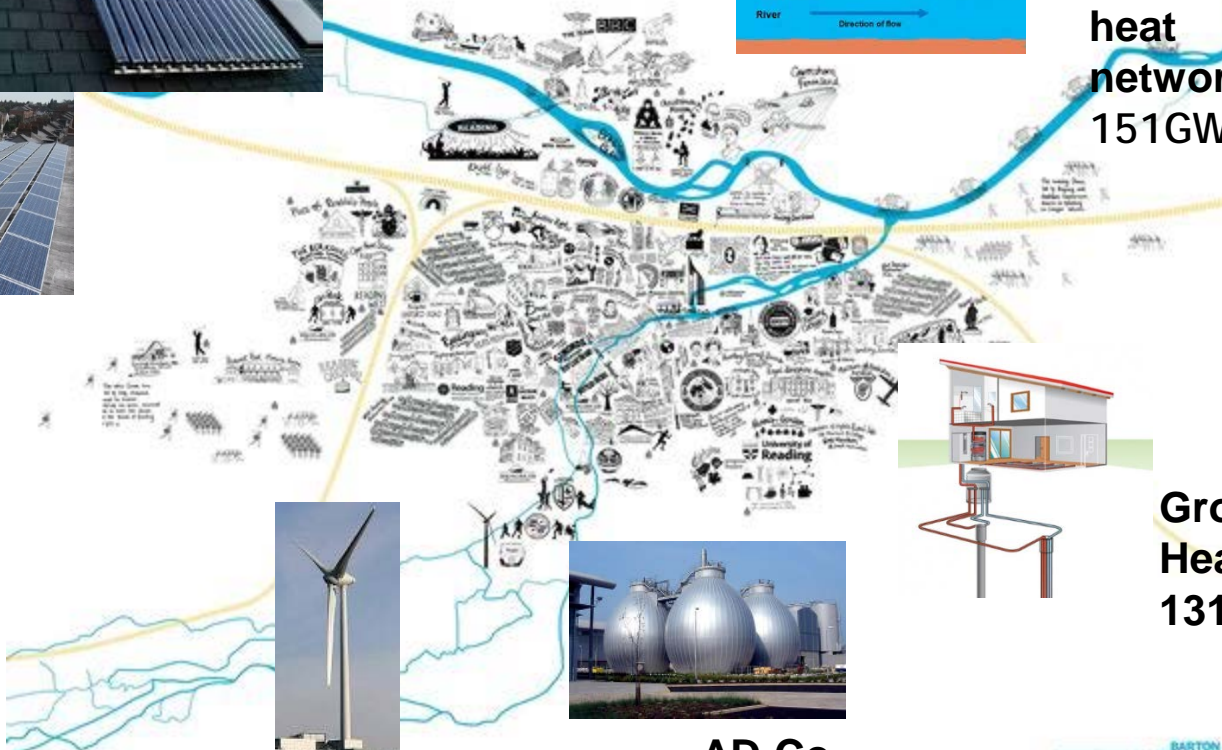


Renewable Technologies

Solar panels
93GWh^e
35GWhth



Water
Source heat
pumps and
heat
network
151GWh



Wind – 32GWh
(10 turbines)



AD Co-
digest food
waste
24GWh^e
96GWhth

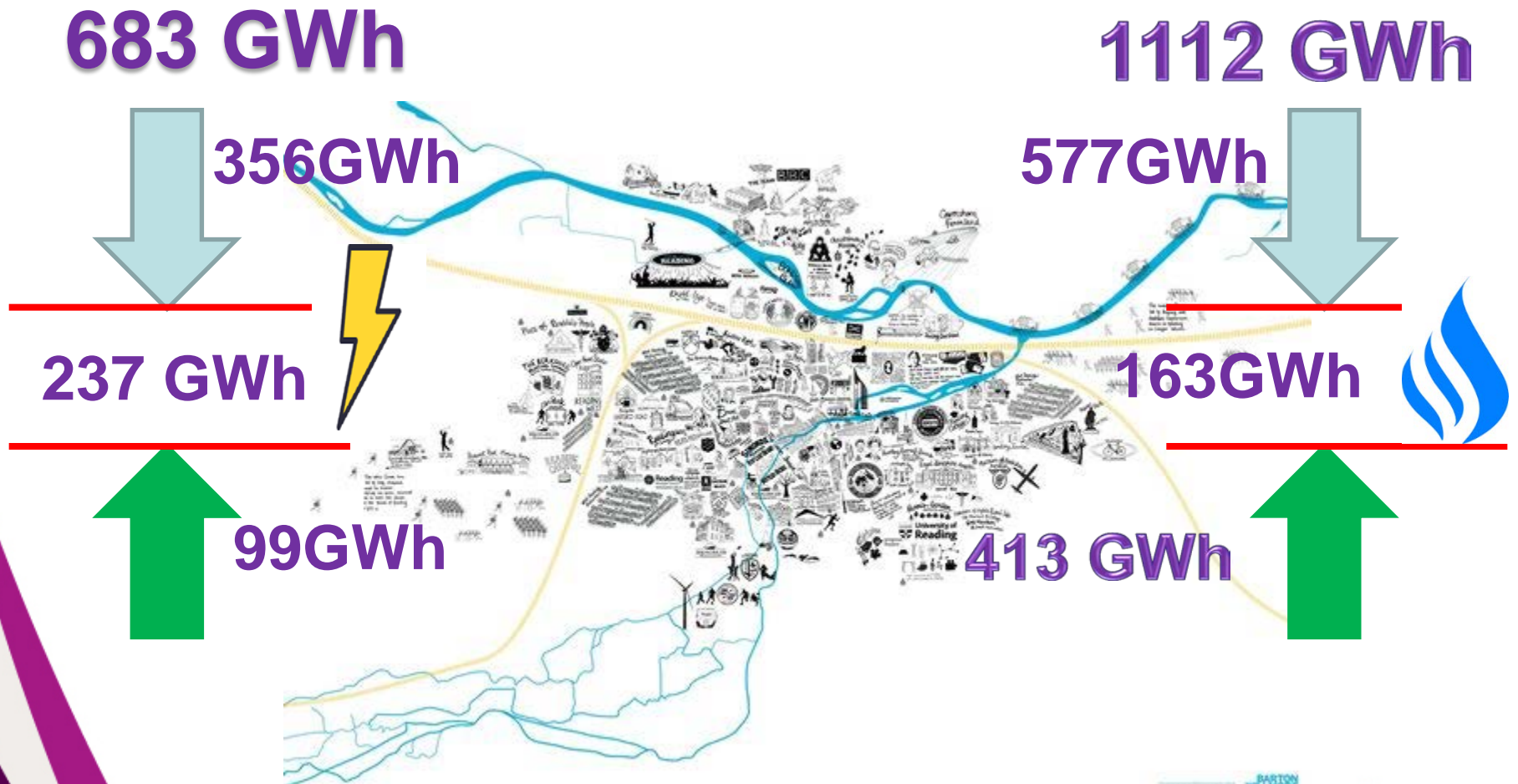


Ground Source
Heat pumps
131GWh



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The Gap





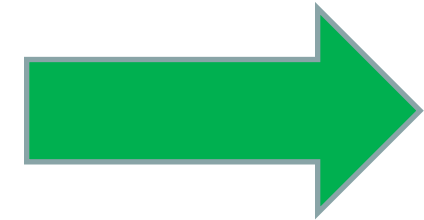
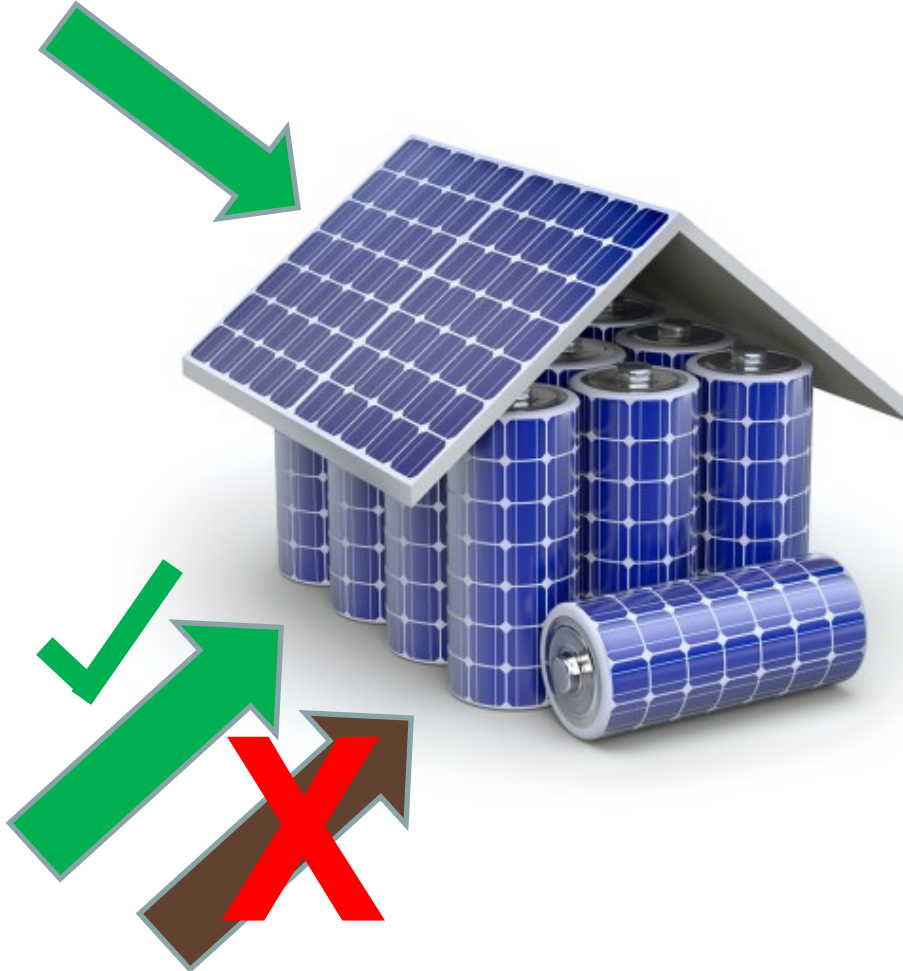
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Smart



Storage

Local renewable
generation



Local supply during
peak times



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Local Economy

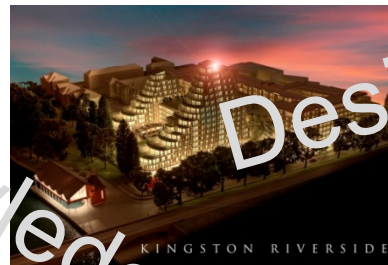


£135m p.a.



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Roadmap for Clean Energy Future





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