

Empowering the Consumer

Behavioural Demand Response – A Story from the US

John Webster
VP Marketing & Strategy, EMEA

Simon Hill VP Regulatory Affairs, EMEA



The value of the smart grid to utilities







Operational savings





Energy efficiency



Customer loyalty

Entirely dependent on customer engagement





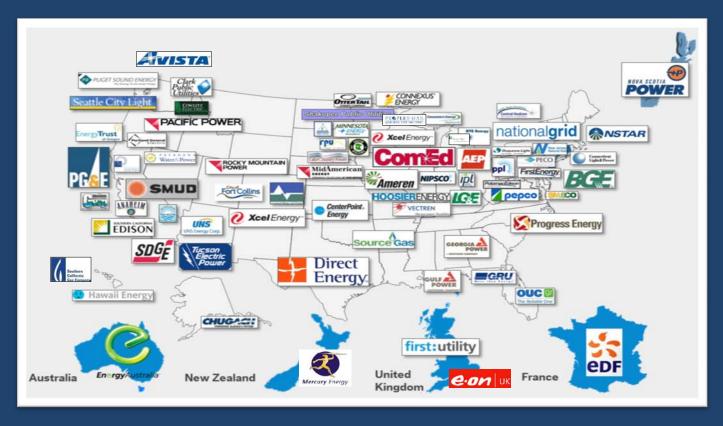
Opower has invested over \$100M on building the energy consumer engagement platform







We work with ~100 clients across 7 countries

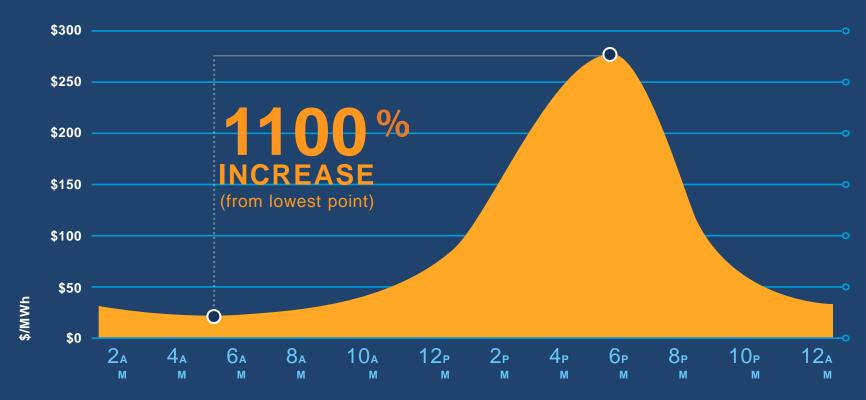


40% of US energy data under management (100 billion reads)



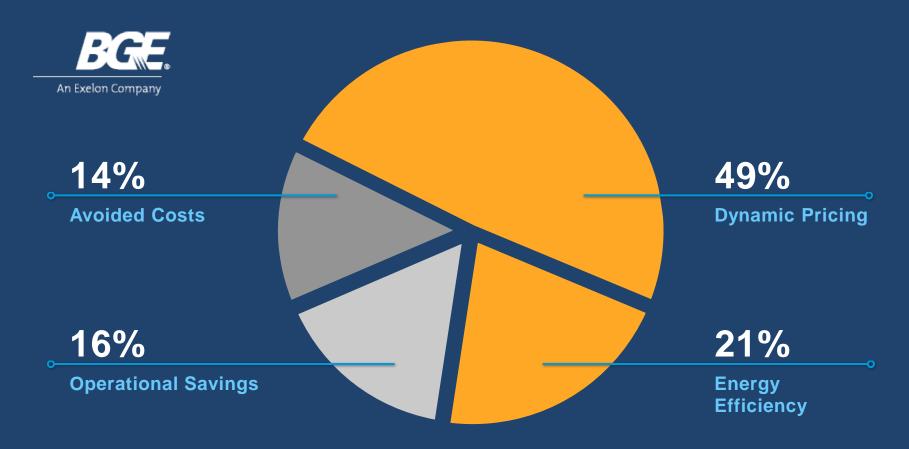
The BG&E Story: skyrocketing power price at peak times

PJM Day-Ahead, Wholesale Electricity Prices

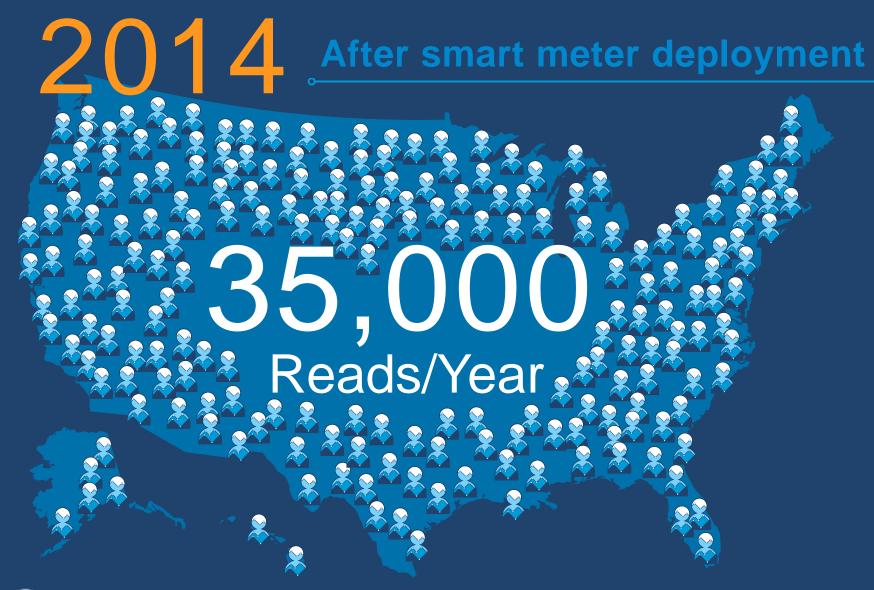




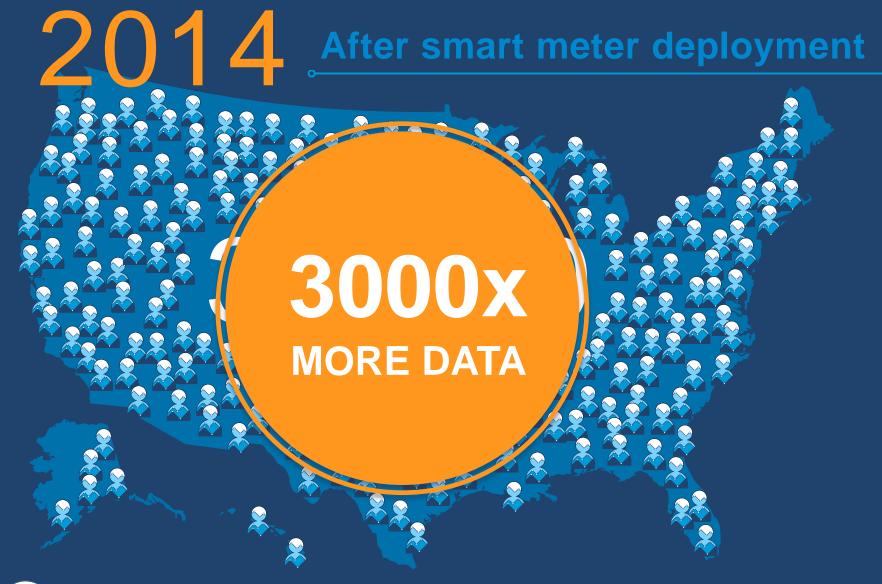
Partnered with BGE deploy dynamic pricing to 100% of residential customers









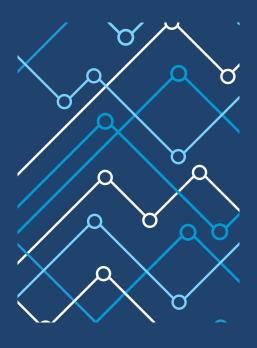




Historic approaches to DSM: Utilities struggled to move beyond pilots

ISSUE 1:

Limited Scale



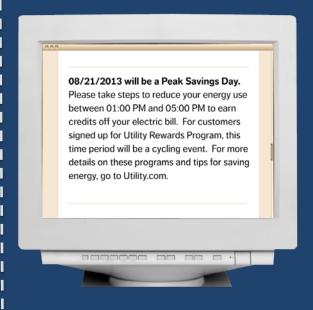
ISSUE 2:

Hiding the benefits



ISSUE 3:

Failure to get attention





Capabilities required to meet this challenge

Technology Scale



Data Rich



Multi-Channel

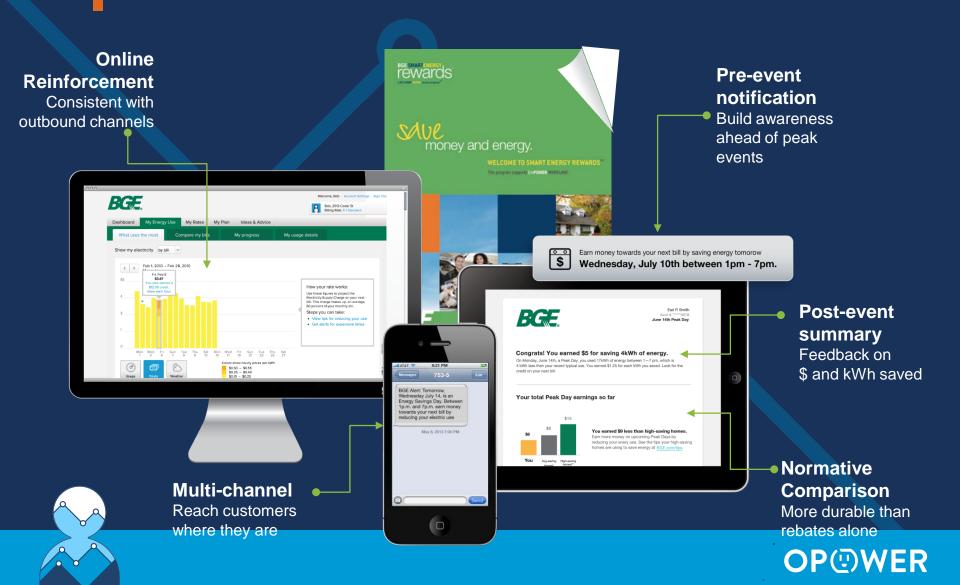


Behavioral Science





BG&E dynamic rate engagement

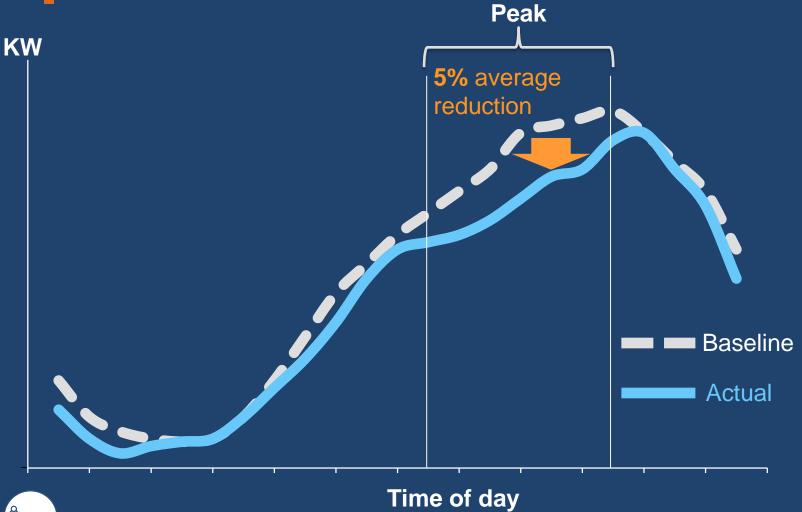


Engagement across their consumer base





Delivering significant peak reduction





And customers love it





To Conclude: Demand Response has a clear role re EU energy targets

20%

Decrease in greenhouse gas emissions

20%

Increase in the share of renewable energy

20%

Decrease in energy intensity







The Engaged Customer



