



Innovations in energy management



Energy Self Assessment – It need not be taxing!

The Seven Stages of 'Energy Man'



Denial – it does not apply to me



The Seven Stages of 'Energy Man'



Fear – I best do something



The Seven Stages of 'Energy Man'



Confusion – where do I start?



The Seven Stages of 'Energy Man'



Despair – Where are we going?

The Seven Stages of 'Energy Man'



Idea – Eureka!



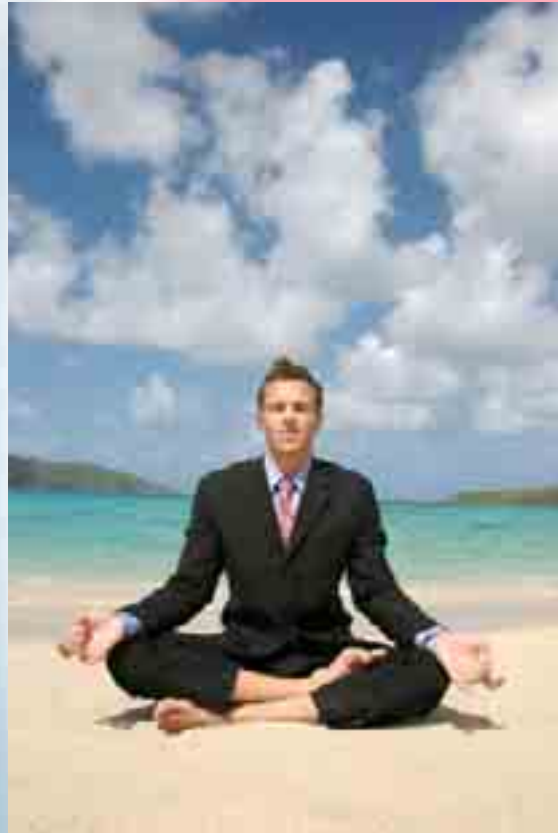
The Seven Stages of 'Energy Man'



Panic – technology..aaggghh!



The Seven Stages of 'Energy Man'

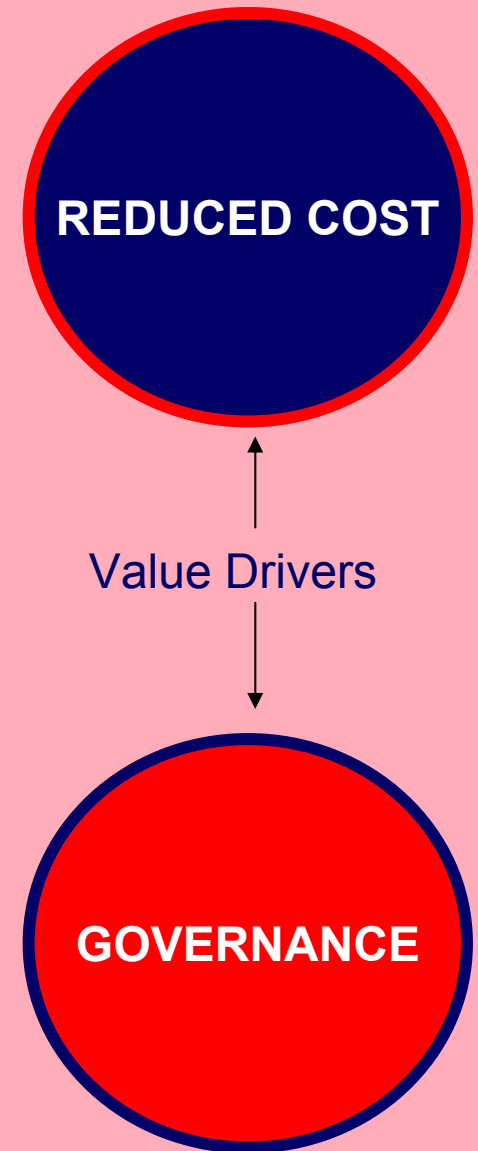


Agggghhh – Bisto!



2 Key Drivers

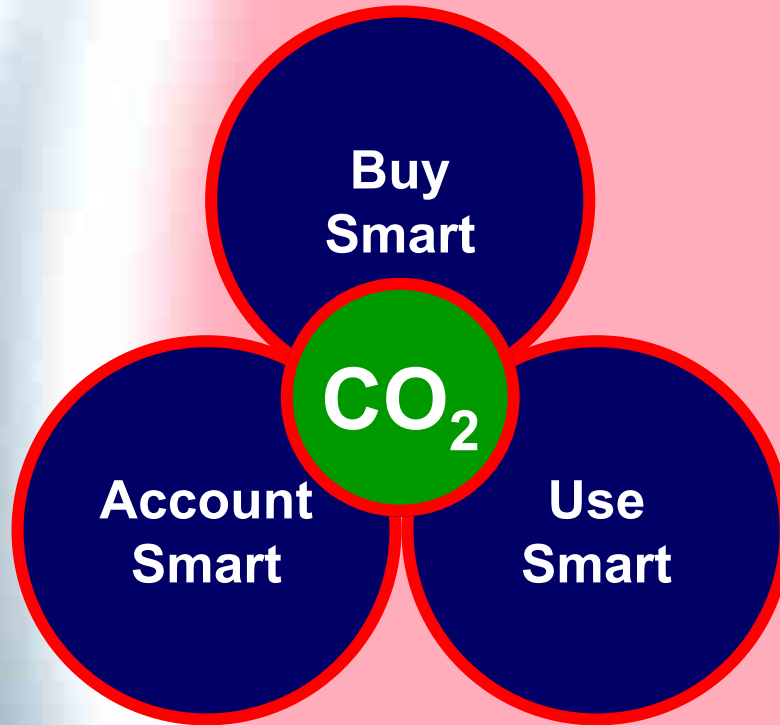
Research indicates
two key value drivers
for utility customers



Carbon Management

Legislation

Corporate Responsibility



Renewables



	Energy Procurement	Energy Use	Accounting	Reporting
5	Fully flexible contracts with full risk management	Fully integrated aM&T/BEMS, energy champions & staff awareness programmes	Full EDI upload, automatic validation, electronic payment	Fully integrated automated reporting system by fuel and by use on day +1 data
4	Wholesale purchasing limited risk management	Partial M&T system and nominate energy manager responsibility	EDI upload, separate validation, BACS DD payment	Bespoke reporting and actual monthly data to energy champions
3	Retail tendering based upon market movement	Energy use assessment from HHD and sub metering	Manual systems, ebilling, manual validation	Regular automated reporting with analysis for energy manager
2	Retail tendering 1 month prior to renewal	Energy use assessment from energy invoices and manual read	Manual systems, ebilling, no validation	Monthly manual summary reports
1	Roll over contracts with incumbent supplier	No analysis of energy use within the organisation	Manual systems with paper invoices no validation	Ad hoc manual reporting on demand

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	Legislation	Corporate Responsibility	Carbon Management	Renewables
5	Full proactive assessment of future legislation, impact and compliance requirement	Fully embedded CR programme across all staff and functions	Known footprint with fully certified over achievement programme	Fully embrace on site and offsite renewable technologies with addtionality programme
4	Total compliance with some proactive future assessment	Proactive CR programme with published goals and achievements	Known footprint with over achieving reduction programme	Embrace technologies with satisfactory paybacks
3	Total compliance with no proactive systems	Full CR assessment and impact	Known footprint with targeted reduction programme	Limited implementation of selected technologies
2	Minimal compliance with major legislation	Limited CR assessment	Carbon footprint known with no reduction programme	Investigation in to technologies with no implementation
1	Unknown compliance position	No proactive CR assessment	No measurement of carbon footprint	No investigation into renewable use



Overall assessment



Life begins at 40!

