



Cost Saving & Energy Efficiency Workshop

John Kane, ETS Ireland - 15th November 2022



Agenda

Speaker(s)



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1

Why ETS?

2

Energy Costs - Context

3

Take Control

4

Immediate Actions

5

Recap

1. Why ETS?

Purpose & Objectives



Purpose

To transform the world for the better through engineering intelligence as your *"Trusted Energy Partner"*



Big Idea

Smart Net Zero



The Vision

Recognised as the leading systems integration, engineering and SEMaaS partner, delivering intelligent built environment performance



The Mission

To provide technology, engineering and consulting expertise to maximise building energy and carbon performance for **planet, people and profit.**



Brand Drivers - Functional

Improving energy use of buildings to drive business performance
Embedding data and insight into our business model
Attracting and retaining talent to build on the best

Brand Drivers - Emotional

Making a positive impact through our work

Working towards a smart net zero world
To be pioneering thought leaders in our market

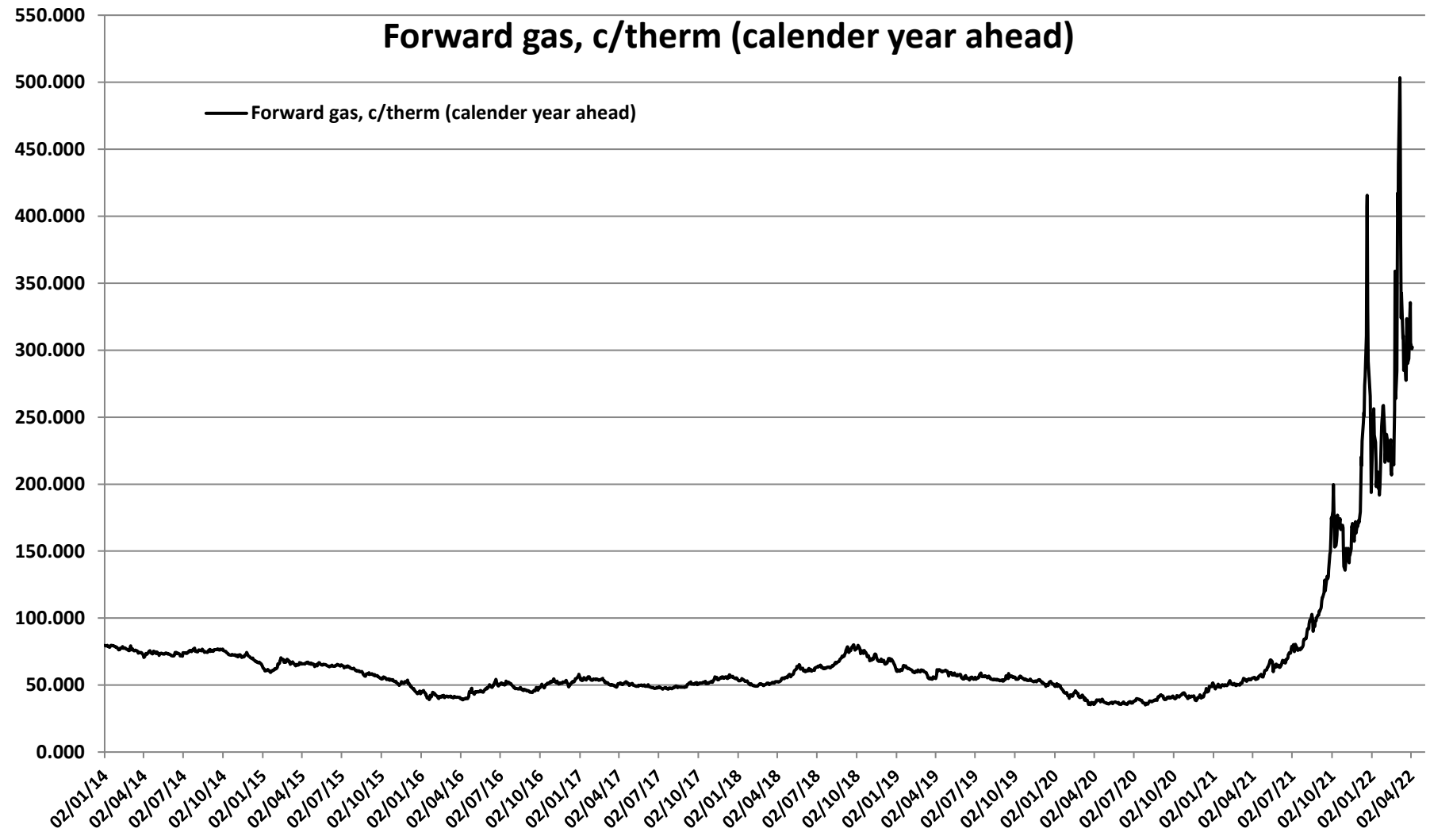
Brand Essence

Excellence

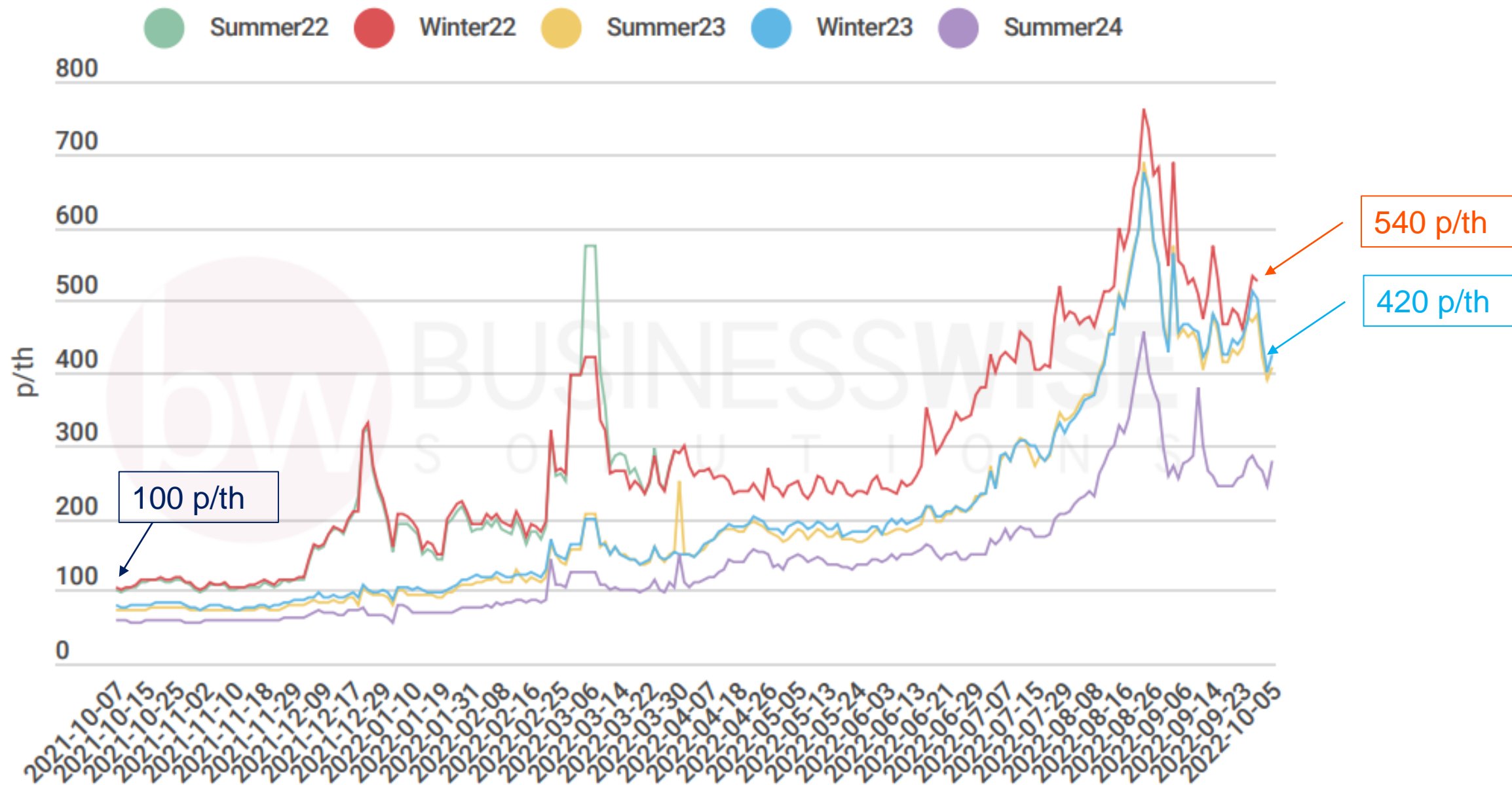
SOME OF OUR CLIENTS INCLUDE



2. Context

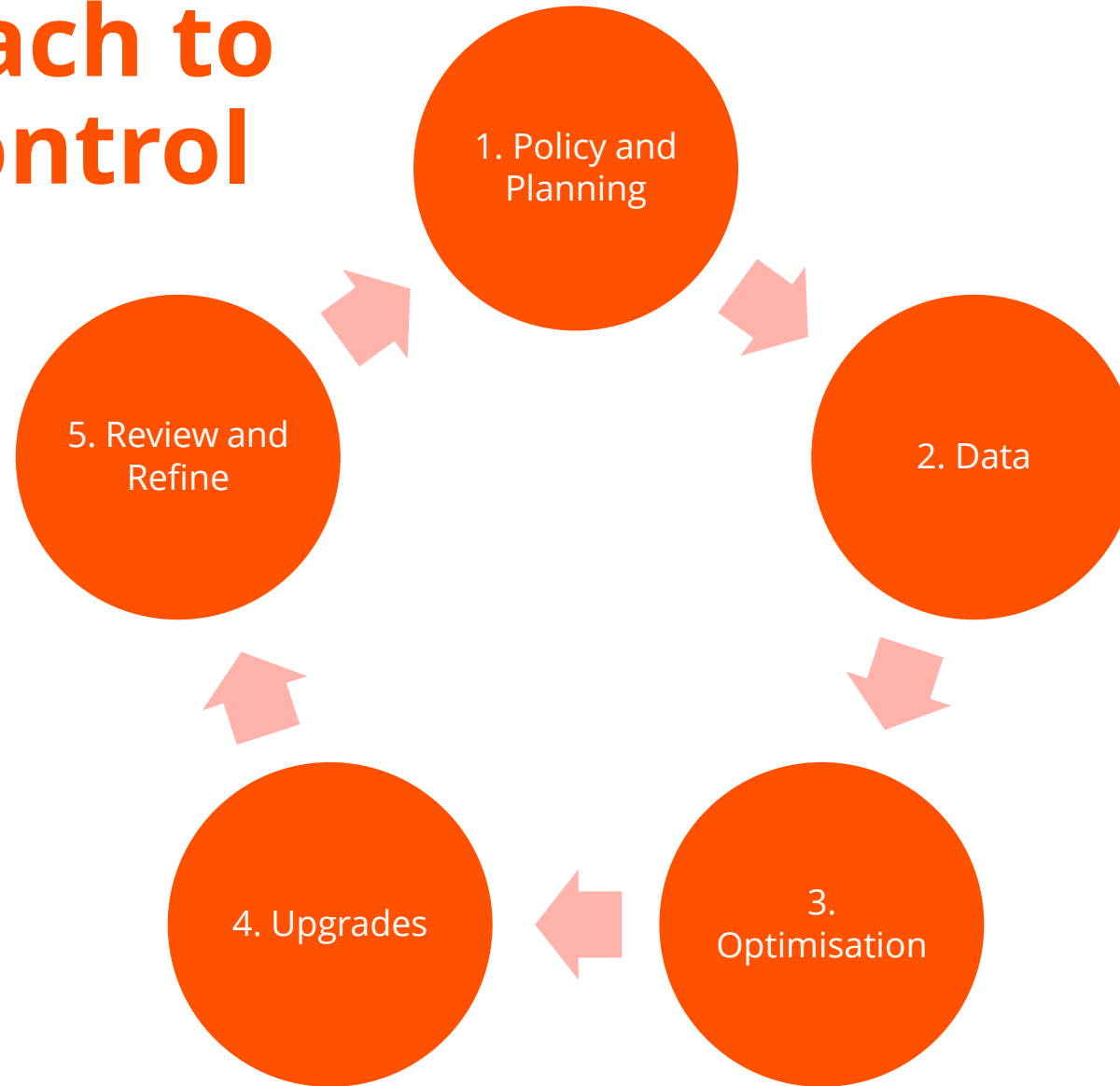


source: Kore Energy (www.kore.ie)



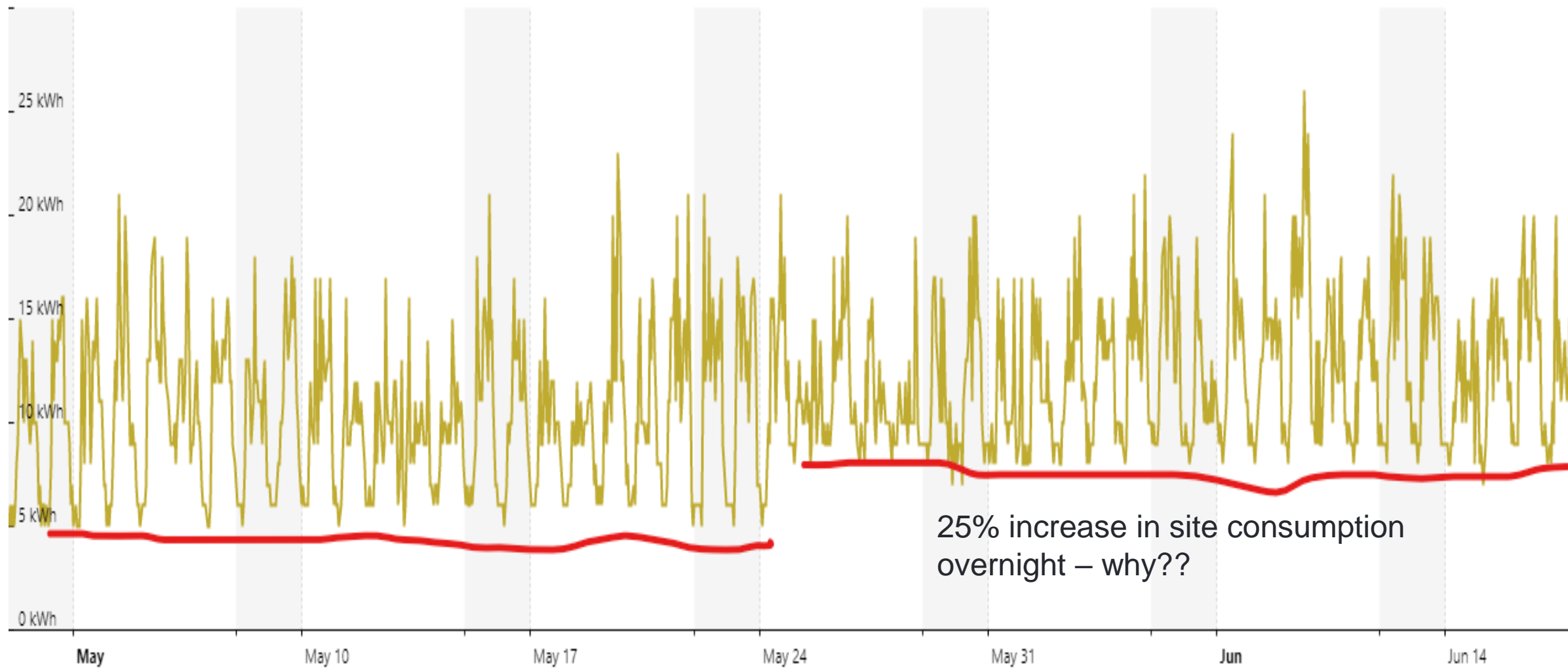
3. Take Control - Process

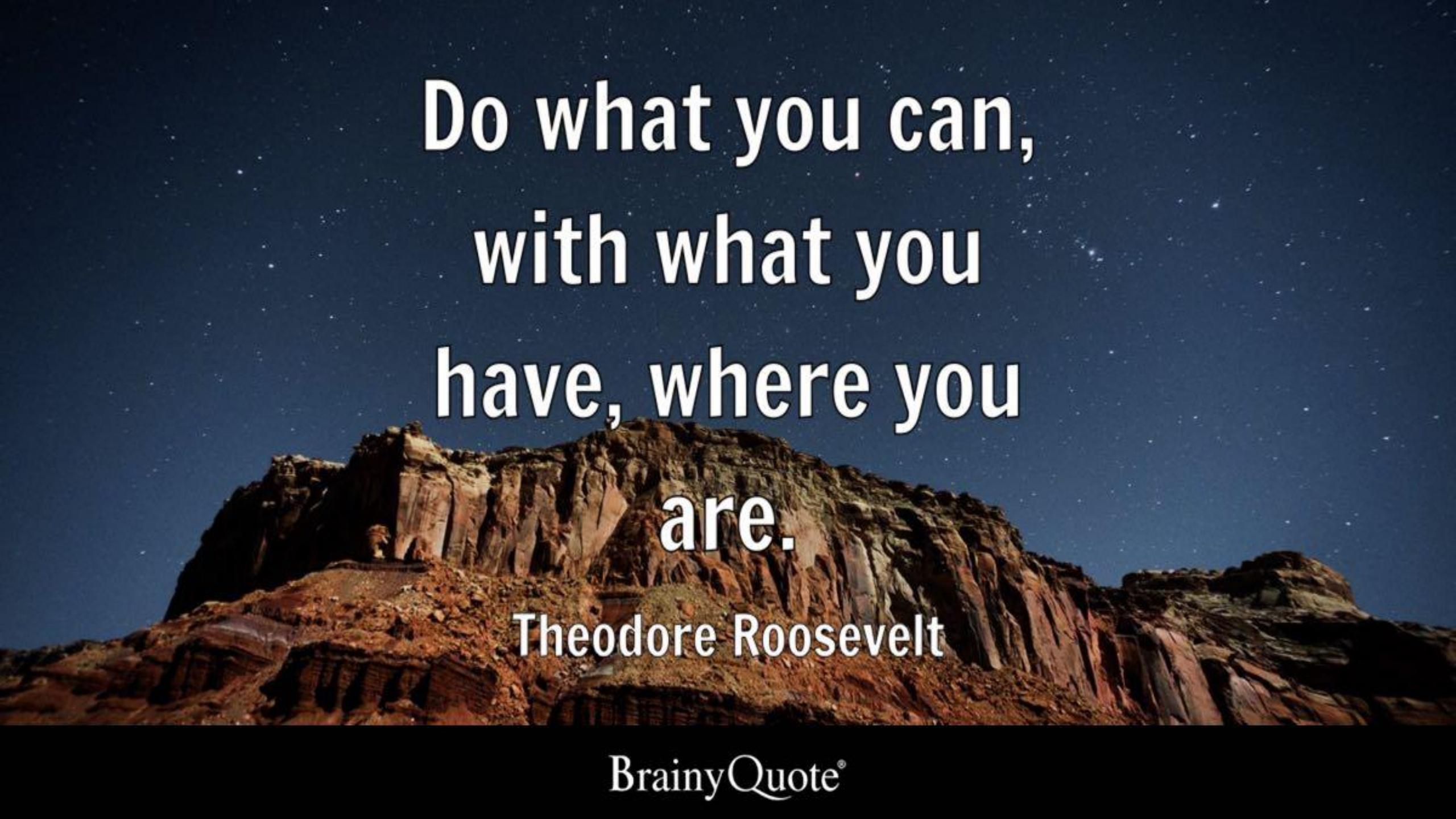
5 Step Approach to Long Term Control





“What if we don’t change at all ...
and something magical just happens?”



The background of the image is a night sky filled with stars, with a large, craggy rock formation in the foreground. The rock formation has a reddish-brown hue and is illuminated from below, creating strong shadows and highlights. The text is overlaid on the upper portion of the image.

Do what you can,
with what you
have, where you
are.

Theodore Roosevelt





4.Immediate Actions

Actions

1. **Tonight / tomorrow morning – site walk**
 - Thermostats (19°C - 21°C) / timeclocks
 - Pre-opening / post-closing lighting and equipment
 - Kitchens - gas burners, ovens left on when, or switched on long before they are required
 - All lighting, TVs switched on hours before opening and after closing / Over door heaters!!!
2. **Change supplier - Bonkers.ie**
3. **Energy meter**

Actions



Efergy

Efergy Elite-Max 7.9" Colour Energy Monitor - Black | E-MAX

E-MAX

In Stock

Jump To [Description](#) [Delivery & Returns](#)

€119.99 ~~RRP €129.99~~ Save: €10.00



2.0 (1) [Write a review](#)

or pay €23.99 today. And 4 Fortnightly payments of €24.00 Interest free with [more info](#)

Brand:	Efergy
Type:	Monitor
Colour:	Black
Feature:	7.9" Display

[Product Information](#)

Actions

4. LED Upgrades - upgrade lighting to LED or change light fittings if retrofit is not available

**- Most premises seem to have switched to LED but not all
€6.5k savings potential (12%) in one site recently visited**

Actions

5. Solar PhotoVoltaic (PV)

	Area Available	Capital Cost	Energy Cost Savings	% of Total Site Annual Usage	Payback
Client A	20m ²	€4,551	€799	7%	5.7 yrs
Client B	40m ²	€9,102	€1,680	16%	5.4 yrs
Client C	100m ²	€22,755	€3,047*	22%	7.5 yrs

Actions

6. Secondary internal glazing to reduce drafts and improve heat retention within the building



Sample Secondary Glazing
Applications
(<https://gsecg.com/>)

Actions

7. Information / awareness (based on 30 cents / kWh)

Equipment	Operating Schedule	Annual Cost
Hair Dryer	3 / 6 / 51	€551
Single Split A/C Unit	10 / 6 / 30	€297
Kettle	0.5 / 6 / 52	€94
Drinks Refrigerator	24 / 7 / 52	€275
Flat Screen TV	12 / 7 / 52	€197
Oven	5 / 7 / 52	€5,460

5. Recap

Summary

1. **Energy prices not decreasing significantly any time soon**
2. **Get control of your usage now – 5 step approach**
3. **Do what you can with what you have**
4. **Free site energy audit – SEAI SSEA Scheme**

