

Changing and investing in lighting

South Gloucestershire Council

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South Gloucestershire

29,500 street lights

- 3500 lit road traffic signs and bollards.
 - Energy 15M kWh = £1.7M/year
 - CO₂ 6000t





Prompts for Action

Strategic Objective

Cut backs!

- Local and national spending targets.
- •Reduce the Council's carbon footprint.





So what could we do?

- Trimming?
- Switch Off
- Part night lighting?
 - LED?
 - Dimming?





Part Night Lighting

- 2008-2014
- 60% of units
- Petitions, moans, groans
 - Perceptions vs reality
 - Acceptance





Fast forward 2012 – all roads lead to LED?

Yes but still had questions

- Technology
- Supply chain pressure
 - Public
 - Workforce
- How much will it save





Project Brief

Strategy

- Key drivers must align with corporate aims
 - Financial constraints
 - Operational issues

What's best for SGC....one size doesn't fit all

Business case





Objectives & Methodology

Why and What

How, and Where

- Financial
- Human Resource
- Process and Framework
- Customer
- Ethical and Environmental

- •WLCEM
- Research
- Analysis





Recommendation

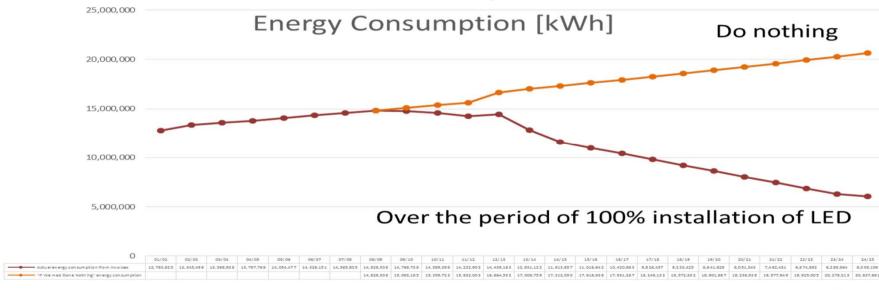
A balanced and deliverable strategy with known risks and predicted outcomes

- 10 year programme
- Bespoke dimming profile
- Approved by Council Sept 2013





Expected Energy results

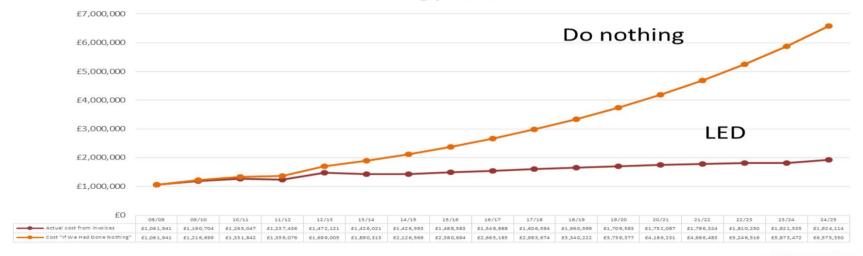






Expected Financial results

Energy [£]







Other benefits and consequences

- Recycled materials
- Reduced scouting
- Alignment of all maintenance functions
- Natural staff reductions
- Obtrusive light





So far so good

- Year 1 2500 lanterns
 - 12 complaints
- Main roads/high wattage areas





Concerns

- Dark areas
- Private areas
- Perceptions





Questions & Answers

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