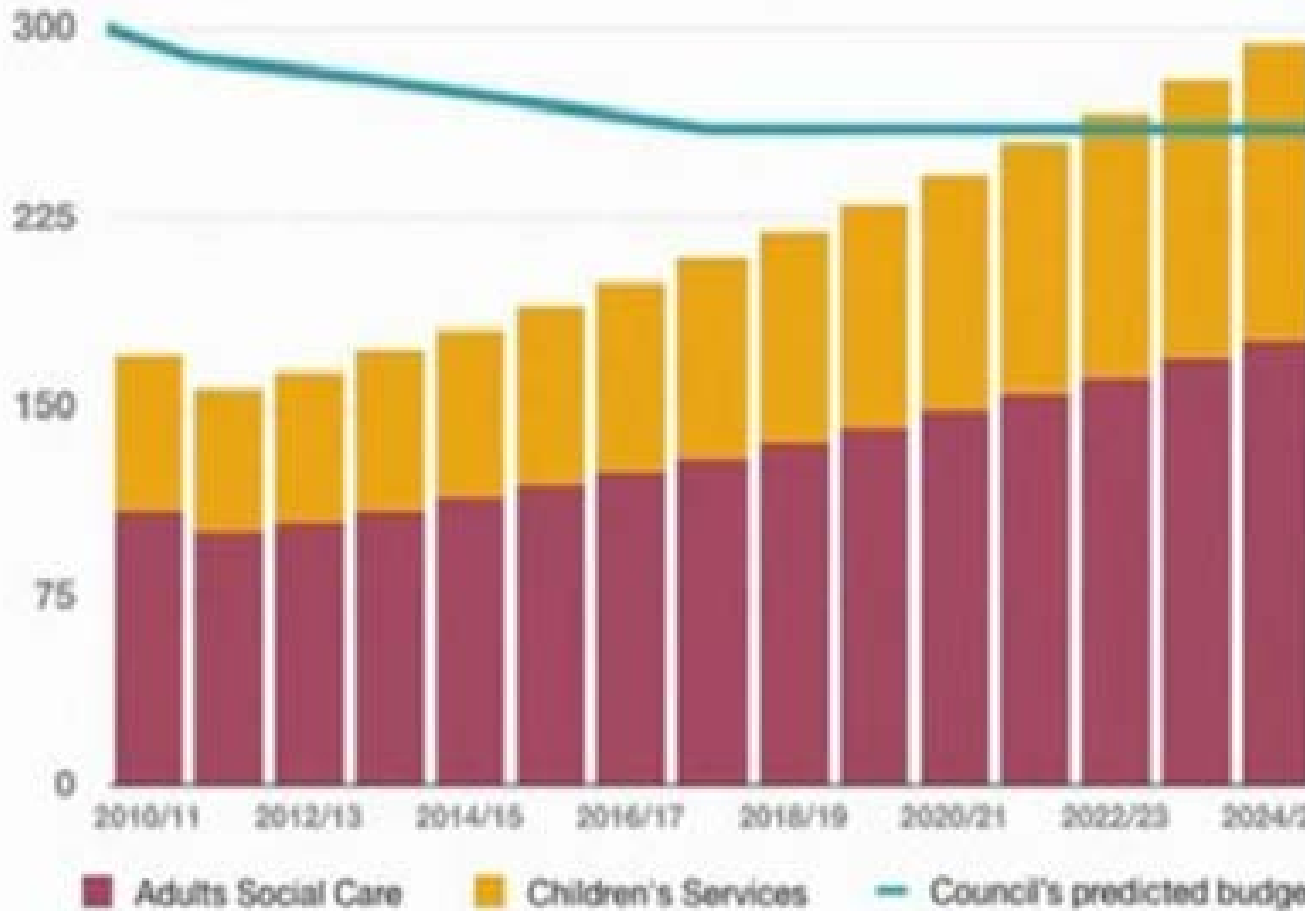


LED Street Lighting Costs and Benefits

- **LED installation in Street Lighting in Gloucestershire**
- Developing a business case for installation
- Delivering in partnership with contractors
- Challenges overcome and outcomes achieved

The 'Graph of Doom'



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Tough times in local government

By Mike Sergeant
Local government correspondent, in Birmingham

They have been calling it "the graph of doom", which pretty much sums up the atmosphere at the Local Government Association conference this year.

It lays bare the prediction that the rising costs of social care could overwhelm all other council services by 2020.

Councils are determined that this bleak vision of a future without libraries, leisure centres or properly maintained parks does not come to pass. But how?

Twelve months ago, the mood at the annual gathering of council leaders and local authority executives was very different. Yes, they knew that times were hard. But there was a sense that they were rising to the challenge, and keen to prove they could find cheaper ways of operating on a tight budget.

"It's an exciting time to be in local government," was a catch phrase often heard last year. Not so now.

The hope that local authorities could grit their teeth for four or five lean years before resuming normal service has gone.

Robert Chote, the chairman of the independent Office for Budget Responsibility, told the LGA that the "pain would go on" until at least 2017.

To many that seemed optimistic.

Demographic pressures

Local government finds itself squeezed in two ways. Most obviously, by the "cuts" - councils say they have had to absorb a disproportionate share of the implementation of the government's austerity plan.

But authorities are also on the wrong side of long-term, demographic pressures that have been building for decades.

Related Stories

- Councils face social care squeeze
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How we got here.....

- c60,000 street lights – costing £2m per year to keep lit
- Electricity costs expected to rise, 57% of service spend and requiring annual growth bids
- Energy efficiency projects – dimming, part night lighting (gone about as far as we could go)
- 53% of CO₂ footprint (excl schools)
- Carbon reduction target, 60% by 2020/21 – not achievable without significant change in street lighting

Example of LED Scheme



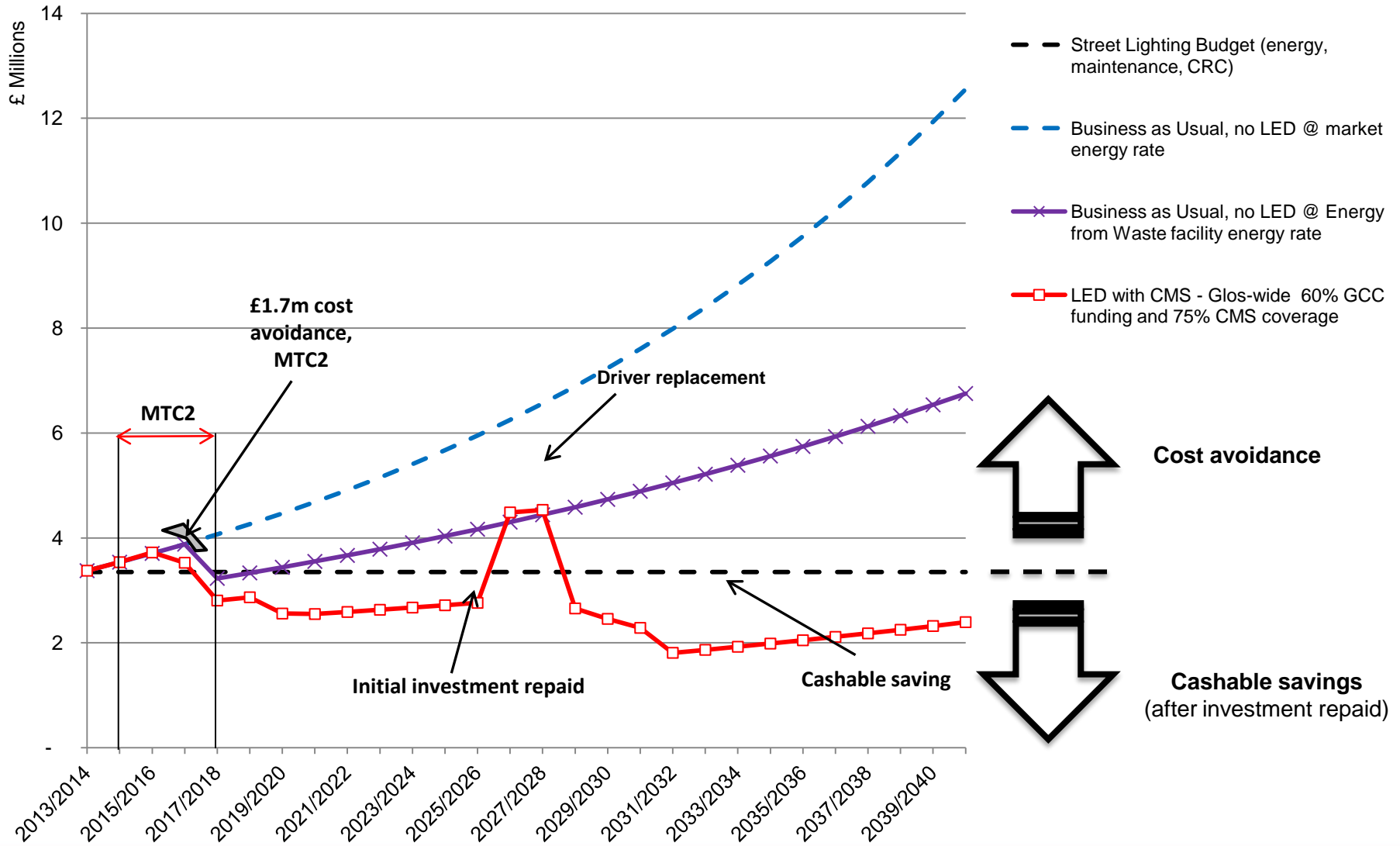
Before



After

Street Lighting Budget Requirements including Energy from Waste

- traffic routes last, 60% GCC Funded, 70% dimming with CMS





Funding

- GCC Salix Fund £1.5m
- National Seels (Salix) Fund £4.67m
- DfT Challenge Fund £5.04m
- GCC Capital Receipts £2.51m

- Total £13.72m

Phased Implementation

- The start of the contract was phased to provide energy savings earlier and a smooth transition of service delivery.
- This was achieved by completing 'Year 1' of LED replacement through the new contractor Skanska and continuing with our contract for maintenance through our incumbent contractor SSE
- In April 2016 Skanska became responsible for all Core Investment, Customer Care & Term Maintenance

Guarantees

- The contract includes for
 - 12 year warranty on all materials and labour for the LED Luminaires and Central Management System (CMS)
- Various other guarantee periods exist for material items (for example LED Bollard gear trays - 5 years, Traffic Bollard shells - 2 years)
- 12 month guarantee for all other works

