

Reference	30P08
Executive Director	Donna Ball
Cabinet Member	

Section A

Service Area	Operations
Budget Option Description	Street Lighting Dimming

Budget Reduction Proposal – Detail and Objectives
<p>(What are we trying to achieve)</p> <p>To reduce energy costs for streetlighting by expanding on the current dimming programme for all lanterns containing the Philips Citytouch system - soon to be transferred to their new Interact City system, and as carried out by many other authorities across the UK.</p> <p>This is an expansion of the already embedded dimming scheme. The current dimming scheme has been in place for over 12 months, and we are actively dimming approx 500 roads across our highway network</p> <p>Driver For Change: (Why are we doing this)</p> <p>To reduce energy costs, further reduce carbon emissions, and to close the funding gap.</p> <p>What is the solution? (Intervention/methodology which addresses the issue/impact)</p> <p>To implement a dimming solution, over and above the current one which is a 50% dim from 00:00 to 06:00 hrs, that will still provide a good lighting service to the Borough which will further reduce energy costs over and above replacing older lamp sources with LED, but will not have a detrimental impact e.g. not dimming during peak times, etc.</p> <p>This process will not be delivered on a blanket approach. Each road will be assessed by officers to ensure suitability.</p> <p>Locations where exemptions will be applied include:</p> <ul style="list-style-type: none"> • Lights at major junctions/ roundabouts. • In town centres where there is CCTV, high security businesses such as banks, and/or lots of people at night, for example near night clubs and train stations. • Areas where street lights are needed to reduce road accidents or where the Authority considers it has a specific duty of care.

- Areas where there could be an increase in crime through reduced lighting, like pubs, clubs and specific night-time use in residential areas.
- Areas where for operational reasons the police require the highest levels of lighting including crime hotspots and increased lighting immediately following an incident.

What is the impact of the solution? (How will this benefit?)

A reduction in energy consumption and, therefore, costs, and also a further reduction in carbon emissions.

Summary of Cost Savings.

Summary of Cost Savings	24/25 £000	25/26 £000	26/27 £000	27/28 £000
Energy Costs			209	209
TOTAL				

Section B

What impact does the proposal have on. Set out any impacts (positive and negative) on performance and costs

Property
No Impact
Service Delivery
No Impact
Organisation (Including Other Directorates/Services)
No Impact
Workforce – Number of posts likely to be affected.
No Impact
Communities and Service Users

This is an extension of an already embedded programme of dimming. To date there has been no negative feedback from communities or service users.

Other Partner Organisations

No Impact

Section C

Key Risks and Mitigations

Risks	Mitigations
Turning lights off may not be a popular action.	Equality Impact Assessment needs to be carried out along with consultation with members of Team Bury.
There are already two Capital programmes in progress in street lighting.	Additional staff/consultancy time for project management.
Time taken to complete the work and therefore delivery of the associated savings.	Existing GMCA Frameworks will be used for the work. Letting further contracts from The Chest to assist with the project. Taking on temporary staff (internal) to assist with the project.
Future energy prices decrease reducing estimated savings and increasing the time in which savings will be paid back.	Without this investment the Council would have to find additional funding to cover energy costs increases. This proposal will mitigate against the increases.
There is an annual cost for the Philips City Touch system after the initial 10 year (given at time of lantern purchase) has expired. This is estimated at around £5 per lantern. The GMCA Street Lighting Group are looking at a contract for this to reduce these costs.	It may transpire that paying an annual fee for each lantern, takes up a significant amount of any savings achieved. The current settings of the lantern (including any dimming) will be maintained if the CityTouch subscription expires. However, remote alteration of lantern settings will no longer be available.
Delivery delays due to material shortages, etc., may extend estimated completion time. Price increases may result in less work being carried out and thereby reducing savings.	Purchasing all the required materials at the start of the project would alleviate this and also negate any future price increases.
Energy calculations are quite complex and actual savings might be lower than estimated.	A combination of previous examples, experience, and airing on the side of caution have been used to try and ensure that as accurate an estimate as possible has been achieved. Savings will still be achieved, and it is possible they may be even more than estimated.

Increase in crime and anti-social behaviour and negative impact on the Safer Streets Strategy from Central Government.	None.
Variations in weather will affect the amount of energy savings, for example, sunny, bright days use less energy than dull, cloudy days. (The streetlights are programmed to switch on at a specific lux level (lighting level) which varies depending on weather conditions.)	None.

Key Delivery Milestones

Include timescales for procurement, commissioning changes etc.

Milestone	Timeline
The completion of Phase Column and Lantern replacement	March 2025
The completion of Phase 3 Lantern replacement	March 2026

Section D

Consultation Required?	No
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N/A	Start Date	End Date
Staff		
Trade Unions		
Public		
Service User		
Other		

Section E

Financial Implications and Investment Requirements

Investment requirements – Revenue and Capital

Capital Funding has already been awarded for the replacement lanterns which will support the dimming process.

Finance Comments – Will the proposal deliver the savings and within the agreed timescales?

Section F

Sign-Off

	Signature	Date
Executive Director		
Chief Executive		