

DERBYSHIRE COUNTY COUNCIL
CABINET MEMBER MEETING FOR
COUNCIL SERVICES

29 June 2017

Report of the Strategic Director Corporate Resources

CARBON REDUCTION INITIATIVE FUND – LED LIGHTING
AT BUXTON MUSEUM

1. Purpose of the Report

Approval is sought to utilise £42,000 of Carbon Reduction Initiative Fund monies to invest in LED lighting in the Museum's gallery.

2. Information and Analysis

At its meeting on 3 July 2012, Cabinet approved £500,000 to establish the Carbon Reduction Initiative Fund (CRIF), an invest to save fund for energy efficiency and carbon reduction projects. To date, around £280,000 has been committed, leaving a remaining budget of £220,000, with a further £103,000 investment project currently being explored. Projects to date have included, LED lighting in council depots and bus shelters, a wind turbine and evaporative cooling of the data centre.

More recently, the Council has undertaken refurbishment of Buxton Museum, which has been funded by the Heritage Lottery Fund (HLF). In addition, the Council has funded through Planned Maintenance Programme (PMP) funding a re-wire of the building, new fire alarm, new boiler and cast iron radiator replacements. As part of the HLF requirements, the refurbishment needs to meet sustainability criteria, including measures that will improve energy efficiency and reduce carbon emissions.

As part of the sustainability proposals it has been suggested that the existing inefficient gallery lighting be replaced with LED lighting. A lighting survey has found that this replacement would save around 20,000kWh of electricity annually, resulting in an annual reduction in CO₂ emissions of 9 tonnes.

3. Financial Considerations

Property Services have undertaken a lighting survey and obtained quotations for the proposed LED lighting scheme, the budget costs of which are £42,000. The table below provides an overview of the financial benefits of this scheme.

Capital costs	£42,000
Est. annual electricity savings	20,000kWh
Est. annual cost savings (electricity and maintenance)	£4,500
Payback	9.3 years

Using a Discounted Cash Flow, the proposed scheme becomes cash positive from year 12.

4. Environmental Considerations

The proposed scheme will reduce electricity consumption and resulting CO₂ emissions.

5. Social Value Considerations

LED lighting will be specified, supporting the reduction in CO₂ from council operations.

6. Other Considerations

In preparing this report the relevance of the following factors has been considered; legal, prevention of crime and disorder, equality and diversity, human resources, health and transport considerations.

7. Background Papers

3 July 2012 Cabinet – “Carbon Reduction Initiative”.

8. Key Decision **NO**

9. Call-in

Is it required that call-in be waived for any decision on this report? **NO**

10. Officer Recommendation

That the Cabinet Member approves the use of £42,000 of CRIF to invest in LED lighting at Buxton Museum.

JUDITH GREENHALGH
Strategic Director Corporate Resources