

### Open Report on behalf of Executive Director for Environment and Economy

Report to:	<b>Highways and Transport Scrutiny Committee</b>
Date:	<b>12 September 2016</b>
Subject:	<b>Street Lighting Transformation Project Update</b>

#### Summary:

Lincolnshire Council Council (LCC) manages street lighting to make sure it is efficient, sustainable and relevant for the county. Where possible, the council is looking to make savings on these costs whilst making sure roads and communities remain safe. The project started to deliver changes on 4 April 2016.

The county wide project is currently due to complete by March 2017, from when it will deliver a range of savings. The project has adjusted 19,510 street lights which equates to annual savings of 4,997,230 kWh electricity and £474,737 so far.

This paper provides a progress update on the project up to 31 August 2016.

Further information can be found on the LCC Website:  
[www.lincolnshire.gov.uk/streetlighting](http://www.lincolnshire.gov.uk/streetlighting)

#### Actions Required:

Members of the Highways and Transport Scrutiny Committee are invited to consider and comment on the report and highlight any recommendations or further actions for consideration.

## 1. Background

Lincolnshire County Council (LCC) manages street lighting to make sure it is efficient, sustainable and relevant for the county.

We are transforming the way we provide street lighting in Lincolnshire to save over £1.7m per year, reduce LCC's carbon footprint by over 6,000 tonnes of CO<sub>2</sub>, reduce light pollution and ongoing maintenance needs. The project started to deliver changes from 4 April 2016 and is due to complete by the end of March 2017.

The changes are being implemented in line with Lincolnshire County Council's street lighting policy which has been approved through the political decision making process.

This savings will be achieved by the:

- Conversion to LED of approximately 17,000 lights, which are currently rated at 90W or above. These will also be dimmed in accordance with policy.
- Switching off of up to 3000 lights on roads away from built up areas, following careful assessment by Lincolnshire Road Safety Partnership.
- Introduction of 'part-night' lighting to approximately 38,000 street lights, mainly in residential areas, where street lights will switch on at dusk (currently around 9:00pm but from 3:30pm in winter) and stay on until around midnight. They will then come back on at 6am (providing lighting levels require it) until dawn.

### Project Update

The Street Lighting Transformation Project is currently due to complete by March 2017 and has achieved the following changes as at Wednesday 31 August 2016:

8165 LED lantern conversions

11,050\* Part Night conversions completed

\* 2,500 of these have had a revisit to change their switch off time from 10pm to midnight. These photocells are being reprogrammed so that they can be utilised later in the programme.

295 street lights have been fully switched off after careful assessment alongside colleagues at Lincolnshire Road Safety Partnership.

These changes convert into the following annualised savings being achieved so far:

Item	Annual Energy Reduction	Annual £ Saving
Project Totals	5,035,294 kWh	£478,353
198 new Items since 01/04/16	- 38,064 kWh	- £3,616
<b>Overall Total</b>	<b>4,997,230* kWh</b>	<b>£474,737</b>

\*of 12,500,000 kWh predicted annual reduction.

The Street Lighting Policy was updated on 18 July 2016 as a result of the decision to adjust some part night lighting switch off times from 10pm to midnight, following concerns raised by some of those affected. Where part night lighting is introduced, lights will now stay on until midnight. They will then come back on at 6am (providing lighting levels require it) until dawn.

## **Communications**

Parish Councils, and the relevant local LCC Councillors, continue to be written to in advance of any street lights being completely switched off (following careful assessment) in their areas.

The project continues to issue press releases to local media on an area by area basis in advance of changes being made. These remind residents of the project whilst also addressing the perception of increased crime and road traffic collisions.

A 4000 signature petition was received at the Highways and Transport Scrutiny Committee on 13 June 2016. The petition has been formally responded to by Cllr R Davies, Executive Member for Highways and Transportation.

A further County News article on Street Lighting is due to be circulated to all households in Lincolnshire in the Autumn Edition.

## **2. Conclusion**

The project is progressing well and is still due to complete by March 2017, having managed the need to revisit around 2,500 lights, to change them from 10pm to midnight switch off.

The project will continue to install LED and part night conversions, in accordance with the Street Lighting Policy, across the county as indicated by the programme as highlighted at: [www.lincolnshire.gov.uk/streetlighting](http://www.lincolnshire.gov.uk/streetlighting)

The project will continue assessing the proposed 'switch offs' with Lincolnshire Road Safety Partnership.

## **3. Consultation**

### **a) Policy Proofing Actions Required**

n/a

## **4. Background Papers**

No background papers within Section 100D of the Local Government Act 1972 were used in the preparation of this report.

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