LED Street Light Conversion

Members Briefing

November 2016

Kent County Council
kent.gov.uk

LED Street Light Conversion

What are we planning to do?

- Replace energy hungry units with LED (Lighting Emitting Diodes)
- Install a Central Management System
- Implement 'Optimised' All Night Lighting throughout the County

Key facts of this project

- Reduces energy consumption and carbon emissions by over 65%
- Better light cut-off – reduces light pollution
- 100,000 burning hours
- Very low maintenance
- £5.2m annual saving (at today's prices)
- Pays for itself in 7 - 8 years
- Generational change
- Automatic fault and energy reporting
- Switch on/off dim individual or groups of lights

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What have we done?

- Awarded a contract to Bouygues E & S Infrastructure UK Ltd
- Works commenced on the 14 March 2016
- Installed over 60,000 lanterns so far within the Ashford /Shepway Sevenoaks / Dover / Dartford / Gravesham / Tunbridge Wells / Tonbridge & Malling / Maidstone/ Canterbury / Swale and Thanet.
- Working with our contractor to determine an adaptive lighting policy
- Secure £27.5m 0% interest loan with SALIX

Benefits of the contract?

- Appointed local Kent people
- Use of local Kent SME's
- Apprentices will be used within the contract
- Designed individual roads
- Project phased to minimise carbon footprint
- District and Parishes have access to the contract rates
- Potential for local decision making

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Programme: Phase 1 Residential Areas

- Phase 1 – Ashford / Shepway / Dover
  - March to September 2016
- Phase 1 – Sevenoaks / Gravesham / Dartford
  - June to September 2016
- Phase 1 –Tunbridge Wells / Tonbridge & Malling / Maidstone
  - September 2016 to January 2017
- Phase 1 – Thanet / Canterbury / Swale
  - December 2016 to May 2017

Phase 2:

- Phase 2 of the LED Project is due commence Mid May 2017 and take approximately 2 years to complete. Phase 2 will include Main Road, Town Centres, Ornate and Heritage Style lanterns.

KENT COUNTY COUNCIL LED STREET LIGHTING PROJECT KALC News Letter Article

Are you looking to replace energy hungry Parish / Town Council streetlights with energy efficient LED lanterns? If so then we may be able to help. Following on from our Parish seminars in the autumn, we are inviting Parishes / Town Councils to register an interest by 30th April 2017. Please register your interest if this is something you are considering now or in the future. Once you have registered your interest we will be in touch to discuss your specific requirements.

To register please email martyn.longhurst@kent.gov.uk indicating which area you are representing and the number of lights you would be considering converting to LED.