

ADEPT President's Awards 2025

Entry form

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Award category Delivering Sustainable Growth

Project Title Journey to Net Zero, 2008/9 to present day

Local authority entrant Leicestershire County Council

Partner/s if applicable Telensa-Signify

Headline summary (150 characters max.)

The reduction of energy consumption, carbon produced and associated energy costs of street lighting through numerous projects implemented since 2008.

Please note we need at least one supporting image per award submission. Upload your image/s below.



Delivering sustainable growth: How is this project delivering sustainable growth, not just now but into the future – demonstrating ambition and vision, anticipating future challenges and futureproofing growth including developing the workforce for the future? (150 words max)

Sustainable growth has been achieved through the implementation of projects and initiatives at key intervals as a result of challenges faced over the last 15 years.

In 2010/11 energy consumption from street lighting was 30,060,168kWh's producing 16,263T of carbon. Implementing part night lighting in 2010, an energy efficient LED replacement programme with use of CMS system in 2015, trimming, dimming and 5 lux switching of residential street lights in 2018, we were able to reduce energy consumption to 8,052,515kWh's and 1,793T carbon by the end of 2023/24 financial year, while increasing our lighting stock through new development adoptions.

We have reduced the street lighting Carbon production by 89% since 2008/9. The greening of the grid has helped a little with reducing carbon conversion factor, but this is still an incredible achievement achieving savings of around 22million kWh.

Delivering sustainable growth: How is this project working across boundaries and with different partners to achieve long lasting clean growth? (150 words max)

Weve worked with District and Parish councils and Leicestershire emergency services through the part night lighting initiative to help them reduce their energy consumption for their own lighting stock. In 2014 LCC embarked on an ambitious scheme to replace its ageing lighting stock with LED lanterns combined with a Central Management System by Telensa. This gave us the opportunity to dim the lights as traffic flows drop, reducing energy use and carbon, and also invited the District and Parish Councils to take advantage of these technologies to covert their lighting stock to LED and benefit from the use of our CMS system.

Delivering sustainable growth: How is this project proactively engaging with business to tackle problems and find solutions, stimulating the clean growth sector at the same time? (150 words max.)

The drive to reduce street lighting energy use is engaging our street lighting suppliers to increase the efficacy of their luminaires. Telensa have introduced traffic adaptive lighting to complement their CMS and reduce energy use. As luminaires become more efficient we will adopt the new technology for new lighting schemes and replacements.

Delivering sustainable growth: How is this project going beyond the 3-5 year budget cycle to prepare for future challenges including the use or consideration of innovative funding solutions? (150 words max.)

Currently have a Medium Term Financial Strategy trial in place dimming the majority of our street lights to 30% intensity from 8pm until midnight if those lights are part night lit, or 7am if they are all night lit. While this is a departure from lighting standards, the street lights are still lit and providing a service to members of the public. This innovative approach is enabling us to further reduce our energy usage and carbon production.