

Street lighting energy reduction project video transcript

[At the top left of the image a Durham County Council logo followed by the text 'Street Lighting Energy Reduction Project' is displayed. Both are visible throughout the video.]

[Video still with dark background, the Durham County Council logo and text which reads 'Altogether better'.]

[Sound of wind on recording microphone.]

[Video still with dark background and text which reads,

Since June 2013

20,000 new energy-saving

LED lights

have replaced ageing

street lamps

up and down County Durham.]

[Video clip of and aerial view of a suburban street with bungalows and houses.]

[Text on screen: Michael Hill, Lamp attendant.]

[Michael is standing in a street, wearing high visibility clothing and a safety harness. Parked behind him is an orange Durham County Council aerial reach vehicle and a street lamp.]

[Michael Hill]

Basically, all we're doing today is working, opening the door, disconnect the door, the column. Go to the top. Remove the bracket. Put an extension pipe on and put the LED on top of the extension pipe, then connect the bottom. Then we turn the light on.

[As Michael speaks video clip examples for each stage of the work taking place are shown in the following order.

A man wearing high visibility clothing, helmet, safety gloves and a tool belt, works at the base of a street lamp to open and remove the panel-door for access to the electric cables. A protective red plastic barrier is set around the work area.

The man then works at the top of the street lamp from an aerial reach cage and gains access to the light housing to remove the bracket.

From an aerial reach cage, the man fits the LED lights housing to the extension pipe at the top of the lamp.

A view from the underside of the lamp showing the grid pattern of 16 LEDs switched on.]

[Text on screen: John Reed, Head of Technical Services]

[John is standing at night in a street lit by street lamps, dressed in a dark suit jacket, collared shirt and tie. As John speaks video clips are shown in the following order;

A man in protective clothing working at the base of a street lamp.

A man in protective clothing working on a light housing from the aerial reach cage.]

[John Reed]

The street lighting energy reduction project is a six year project to retrofit just over 40,000 street lights county wide. That's just over half of our current street lights, which are about 80,000.

[Video clip, with no narration, showing a street scene at night with two street lamps in the foreground switched on against a dark blue night sky. Followed by a close up of the top part of the two lamps showing the glow of the light as a starburst effect.

Text on screen reads, 'An old street lamp (left) compared to a new LED light (right)'.

In the video clip the light from the street lamp on the left looks orange and dull. The light from the lamp on the right looks white and very bright.]

Firstly provide much needed investment in highways. It'll replace the aged streets lights and also it will help the new energy efficient LED streetlights who'll provide significant savings and energy and maintenance costs, and also help the council achieve its carbon and reduction target.

[Sound of bird song and a video clip showing the top of a street lamp. As daylight fades and the night sky darkens the LED lights automatically switch on.]

The quality of light provided on the highways is very good with the new LED street lights.

[Video clip of a street at night, with the street lights switched on showing an overall orange glow. Text on screen reads, 'Windermere Drive, West Auckland before retrofit'.]

[Video clip of the same street at night, with the street lights switched on showing an overall white glow and with less overspill of the light onto the house fronts. Text on screen reads, 'After the retrofit'.]

It is fair to say they have better control than the old lights so there isn't light spillage on to homes and gardens, but that shouldn't really happen anyway. So, it takes a while for people to get used to reduction light spillage, but tend to get used to it pretty quickly.

[Video cut to black screen which progresses to a video clip showing a lot of varying sized dots of light from a built up area, the distant lights and street lighting. In the foreground it shows the street lights at the side of a road with traffic moving.]

[The sound of traffic can be heard.]

[Video still with white text on a black background which reads,

'As part of the programme,

some street lights

that don't meet British

standards could be removed.']

[The sound of moving traffic can be heard.]

[John is standing beside a road at night with street lighting behind him. As he speaks various video clips of moving traffic on the roads at night and with night time street lighting are shown.]

Well firstly, I'd just like to stress that no street lights will be removed in residential areas, we've always been very clear about that. The areas where street lights could potentially be considered for removal is on roads between settlements. But I'd just like to reiterate that we would never remove any street lights at roundabouts and major junctions, or where there is a proven road safety issue.

[Video still with white text on a black background which reads,

'The Street Lighting

Energy Reduction project

will continue until 2019'.]

[Video still with the Durham County Council logo and the words Altogether better placed on a dark background.]

[Video ends]