



LED Phase 4

Place Services and Economic Growth Policy and Scrutiny Committee – July 2022









SAFER GREENER HEALTHIER

Transforming travel in Essex

Phase 4 3 year LED programme:

Replaces 85,000 existing unreliable and obsolete luminaires with new. Incorporates refresh of existing CMS.

Benefits:

Increased colour recognition
Low energy and carbon
Reduced sky glow
Reliable and low maintenance
Fully monitored and controllable



Sodium lighting – poor colour recognition, poor light control

New LED lighting – good colour recognition, good light control, enhanced feeling of safety

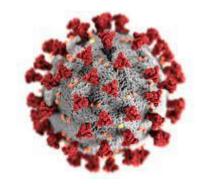








Phase 4 Context









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To date

- We have designed 60,078 (50,341) lighting points.
- Received 39,800 (34,350) lanterns
- Upgraded 34,271 (27,131) units to LED
- 30,071 (24,434) units through main programme
- 4,160 (2,697) units were upgraded through the maintenance and column replacement activities
- An approximate annual energy saving of over 80% has been achieved generating over 1000T of carbon savings
- This equates to an annual energy saving of £601,222 (£475,964) at the current rate of £0.17 per kWhr

Brackets = end of financial year 21/22







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ID	0	Task Mode	Task Name	2021 Qtr 1 Qtr 2 Qtr 3 Qtr 4 Qtr 1 Qtr 2
1		-	Workstream 1	1
2		*	Basildon	
3	oo'	-	Colchester	
4		*	Epping	
5		*	Harlow	
6		*	Brentwood	
7		*	Uttlesford	
8		-	Workstream 2	
9		*	Chelmsford	
10		*	Tendering	
11		*	Braintree	
12		*	Castle Point	
13		*	Maldon	
14		*	Rochford	

2023 2024 Qtr 3 Qtr 2 Qtr 4











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