

# Falkirk Council

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PERFORMANCE  
NETWORKS  
**AWARDS**  
**2022**

**STREET LIGHTING**  
MOST IMPROVED PERFORMER  
**WINNER**



# Outline

Network Characteristics  
LED Replacement Project  
PN Benchmarking  
Digital Transformation  
Room for Improvement  
Summary  
Questions



# Network Characteristics

Located along the Firth of Forth sharing boundaries with Stirling, North Lanarkshire & West Lothian

992km adopted road length

Urban in nature with primary settlements at Falkirk, Grangemouth, Bo'ness, Larbert & Denny

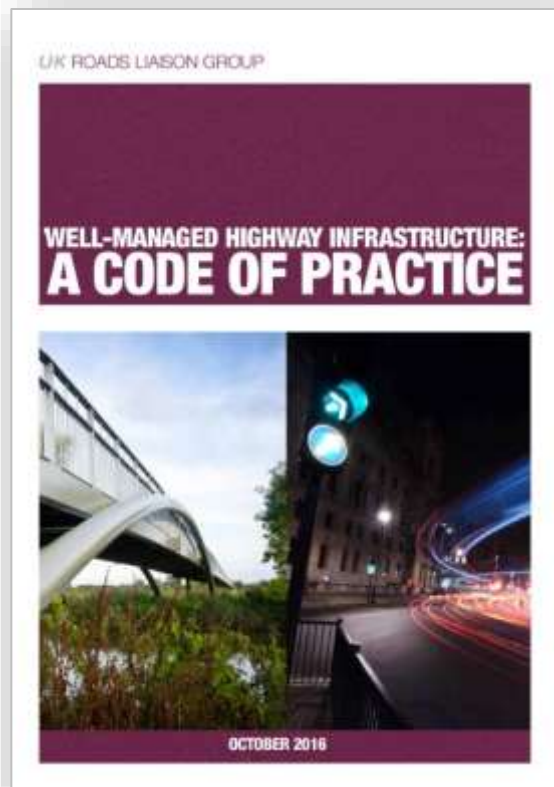
27,045 street lanterns (excluding road signs & bollards)

GRC ~ £70m





# LED Replacement Project



Energy Audit and Strategy Review of street lighting assets

Scottish Government initiative with involvement from Resource Efficient Scotland, Scottish Futures Trust & Zero Waste Scotland

Reduce energy bill  
Lower carbon footprint  
Improve level of Service



# PN Benchmarking

**LEDLA:** More than 26,500 streetlights fitted with LED 'white light source' lanterns

**ECKWH:** Reduced energy consumption from 10,500,000 kw/hrs to 4,500,000 kw/hrs per annum

Saving the Council approximately £900,000 per annum and reducing CO2 tonnage from 4215t to 1200t in line with net zero 2030 aims

**NOFPB:** Improved LED reliability has resulted in reported street light faults dropping by 32%



# Digital Transformation

Council of the Future project aimed at modernising and improving Service delivery by embracing new technologies

Lengthy paper-based inspection & instruction process now fully automated via handheld tablets

**SLNWR:** 97% of customer reported faults now repaired within 2 working days

Digital records for auditing purposes



# Digital Transformation





# Digital Transformation

### Attendance Request Details

**Item Type:**  
Lighting Point

**Work/Fault Details:**  
Street Light Out

**Unit Number, Road Name & Town**  
FSE07 Roebuck Place, ?, Bo'ness

**Control Unit Item Identity Code**  
11615

**Control Unit Location Description**  
Con.Pill - Viewpark Rd at Sub station rear of No.2

**Enquiry Comments**

Next





# Room for Improvement

Unable to select correct lighting column from map. Shown as does not exist	1	
Unable to select bollard outwith street	3	
Unable to add comments	3	

Month	Ratings	Average rating
January 2023	5	4.8
December 2022	8	4.8
November 2022	8	3.6
October 2022	14	3.5
September 2022	9	2.9

Stakeholder engagement through APSE & SCOTS online roads survey

Data improvement plan to validate asset inventory records in collaboration with internal Web & Digital teams



# Summary

## **LED Replacement Project**

Reduced energy bill & lower  
carbon footprint

## **PN Benchmarking**

Manage performance, improve  
and innovate

## **Digital Transformation**

Timely & efficient repairs

## **Room for Improvement**

The customer journey



