

# District Street Lighting Proposed LED Upgrade

# OPTIONS

**Option 1 - Do nothing**, the council continues to maintain and replace the assets as and when necessary.

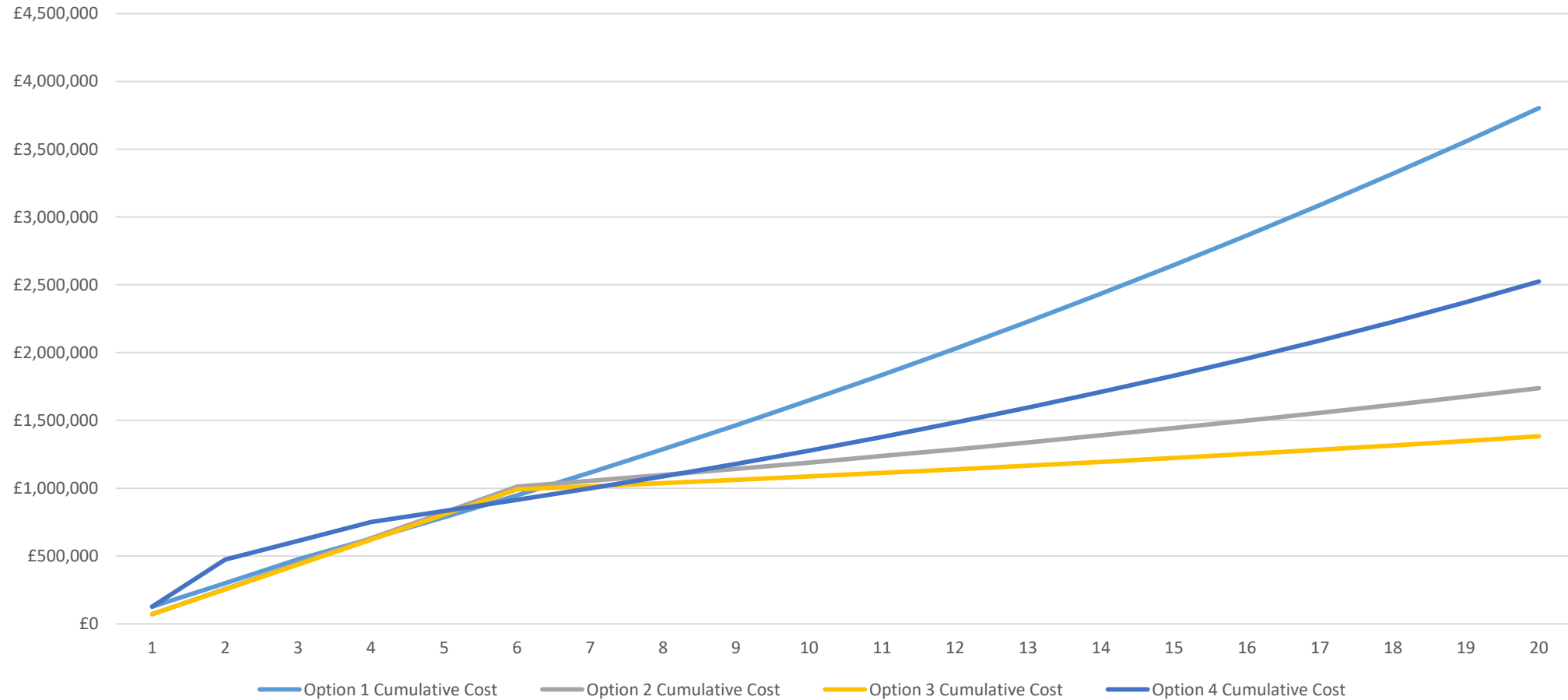
**Option 2 - Upgrade and keep all lights**, FHDC would upgrade all of its lights to KCC Specification, but keep and maintain them itself

**Option 3 – Upgrade all and transfer where possible**, FHDC would upgrade all street lights and transfer all adoptable assets to KCC

**Option 4 – Upgrade transferable assets and transfer, leave others.** FHDC would upgrade only the transferable assets and transfer all adoptable assets to KCC.

# COST MODEL

Streetlights Cost Model



# SURVEY

- CLT commissioned survey to establish redundant assets, and lights that could potentially be adopted by KCC
- Survey work completed in July 2021 on 1084 highway lights

# SURVEY FINDINGS

Asset	Quantity
Columns available for upgrade for KCC adoption	340
Remaining assets not suitable for adoption but can be LED upgraded for easier maintenance and energy savings	723
Columns to be permanently disconnected/removed from this project	21

# Projected Costs

- Total Project Cost- **£815,034**
- Proposal:
  - that Climate Change Reserve funds the LED conversion costs + commuted sum + 50% of project management costs= **£478,370**
  - Remaining costs for repairs to assets & replacements plus 50% of project management costs totalling **£336,665** to be met from available capital resources. This may impact upon the council's future capital investment plans.
  - CLT/Cabinet to consider

# CARBON EMISSIONS SAVINGS

Lamp Model	Number of lamps	Fixture Wattage	Carbon Footprint
High Pressure Sodium (current)	1084	90	169,999 Kg
LED Model (Proposed)	1084	18	34,000 Kg
<b>Carbon Savings / Year</b>			<b>135,999 Kg</b>

# Project Timescales

- Report to Cabinet in October 2021
- Order sent to supplier in November 2021
- Lead time for parts & delivery- February 2022
- Programme start date- March 2022
- KCC adoptions expected completion April 2022
- Retained assets start May 2022
- Completion December 2022



# Questions?