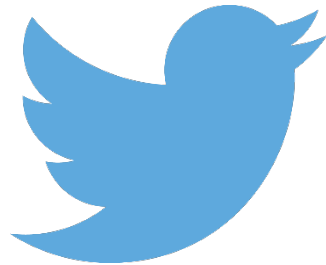


**Be part of the conversation!
Follow APSE on Twitter and LinkedIn**



@apseevents
@apsenews



**@APSE - Association for
Public Service Excellence**

Roads and Street Lighting Trend Analysis 2018/2019

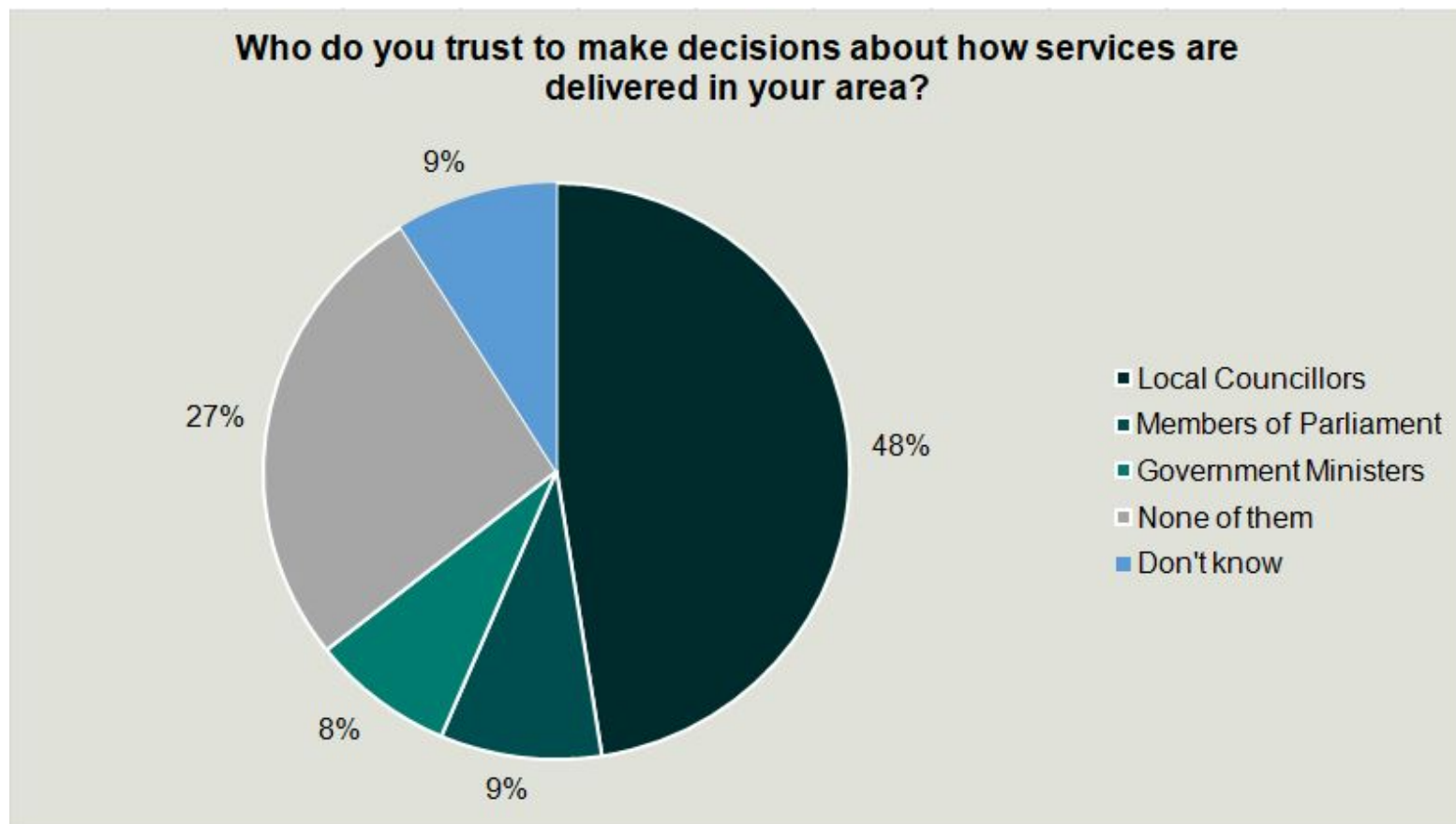
Rob Bailey

APSE Principal Advisor

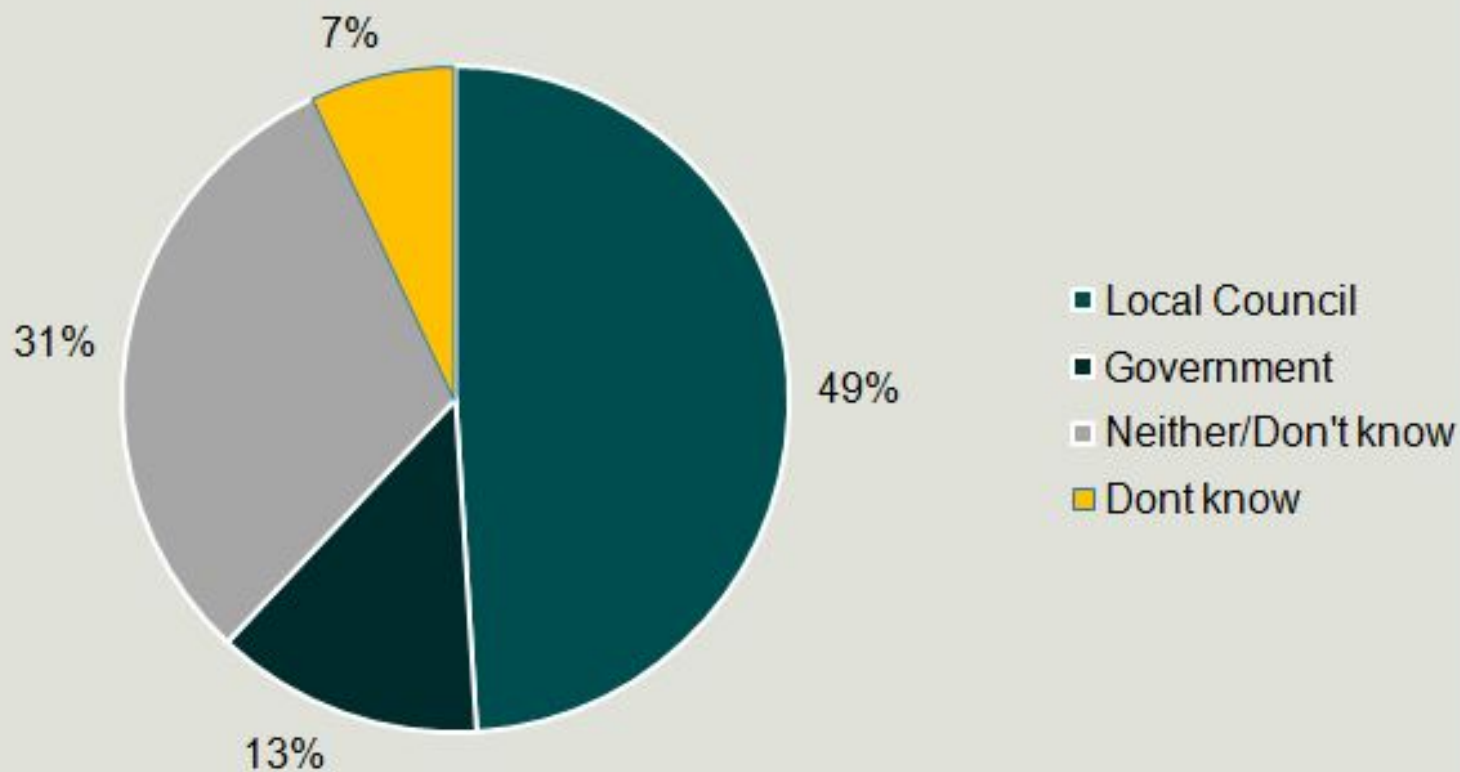
Introduction and background

- Survation surveys 2016, 2017, 2018, 2019
- Mirrored the range of services provided in council areas
- Informs APSE campaigning - reflecting how the public see things.
- Data were weighted by age, sex, region, household income, education, 2017 GE vote and 2016 EU Referendum vote to be representative of all UK adults aged 18+.

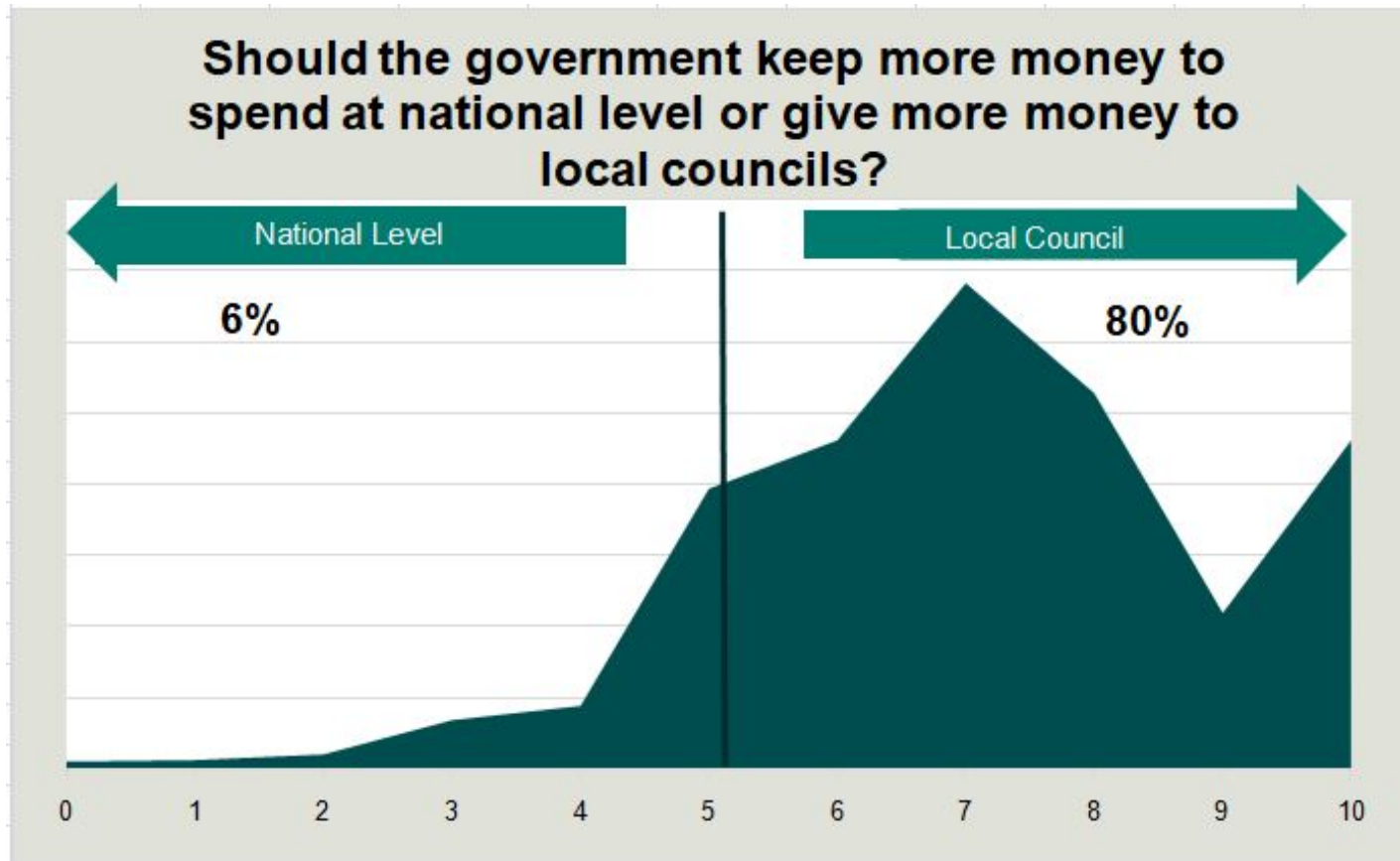
Trust relatively high in Councillors v others



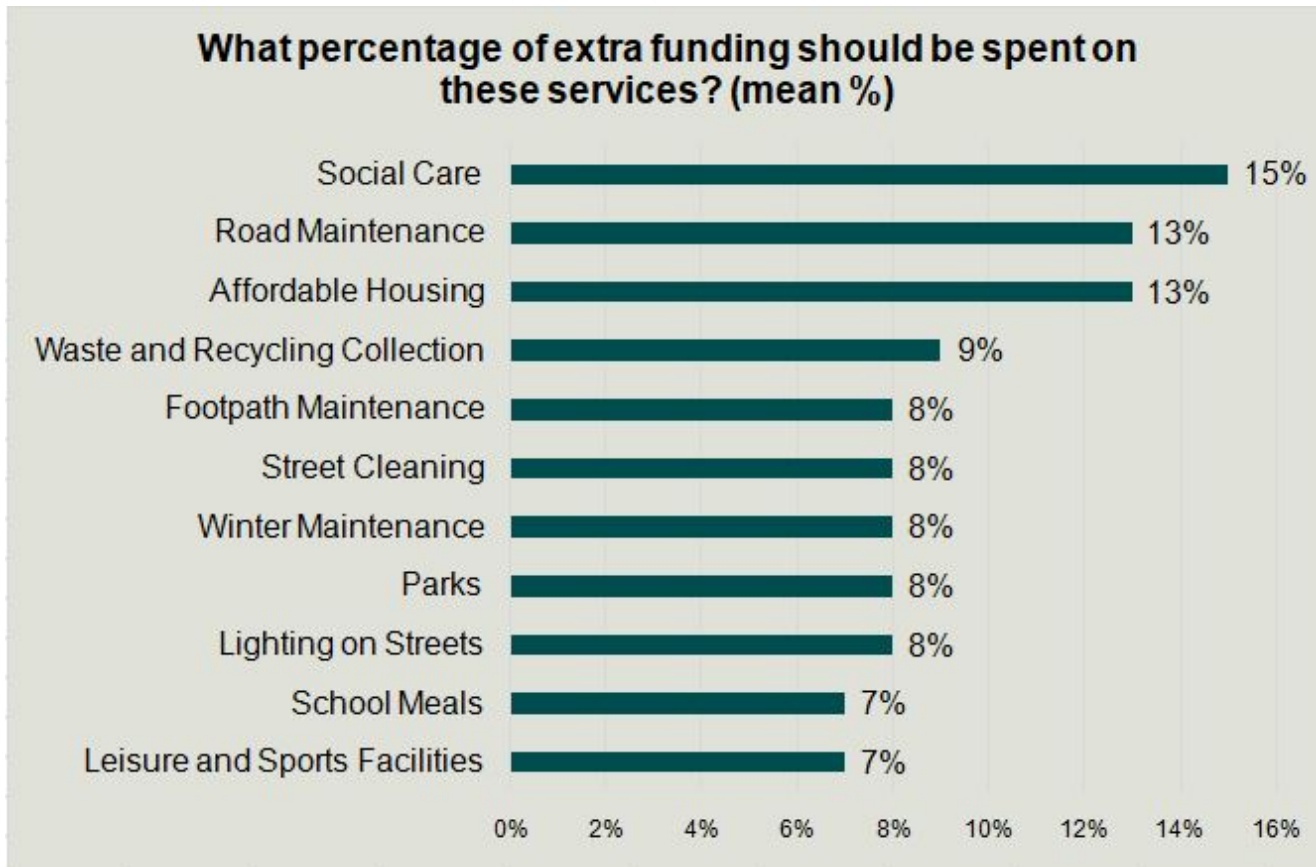
Who do you trust to make decisions about how services are provided and delivered in your area?



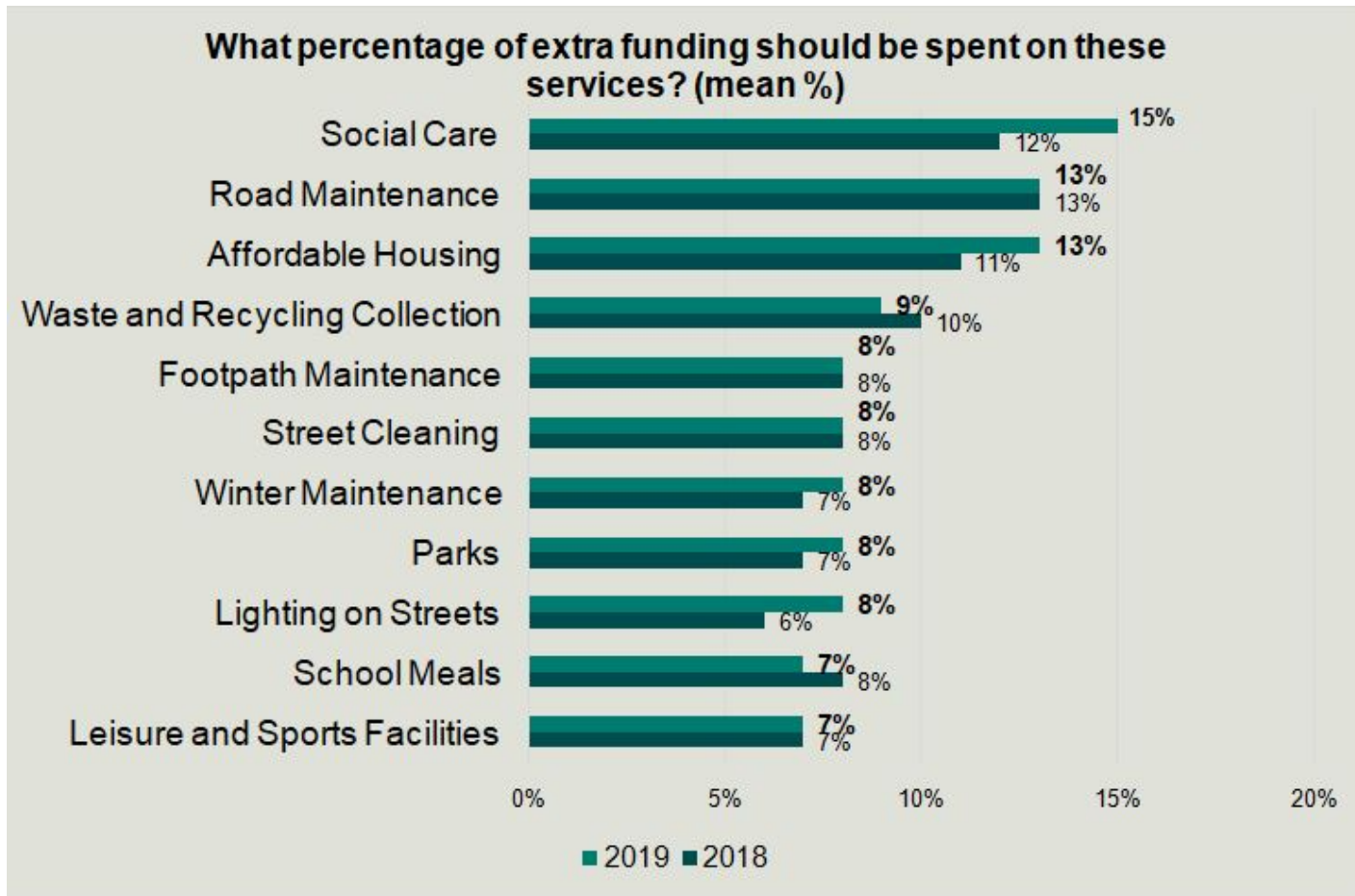
Should Government give Councils more funds?



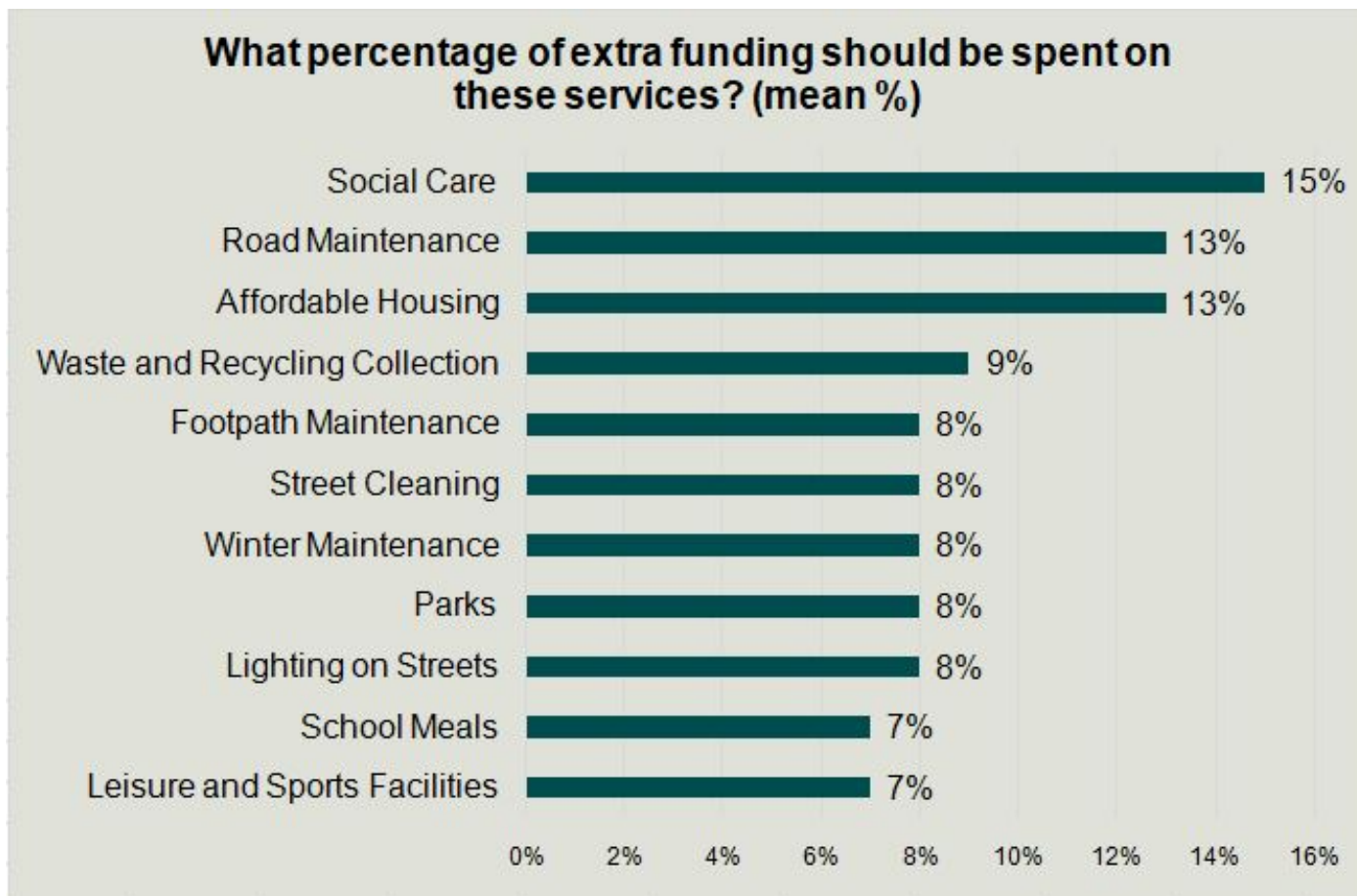
How the public would like extra funds spent



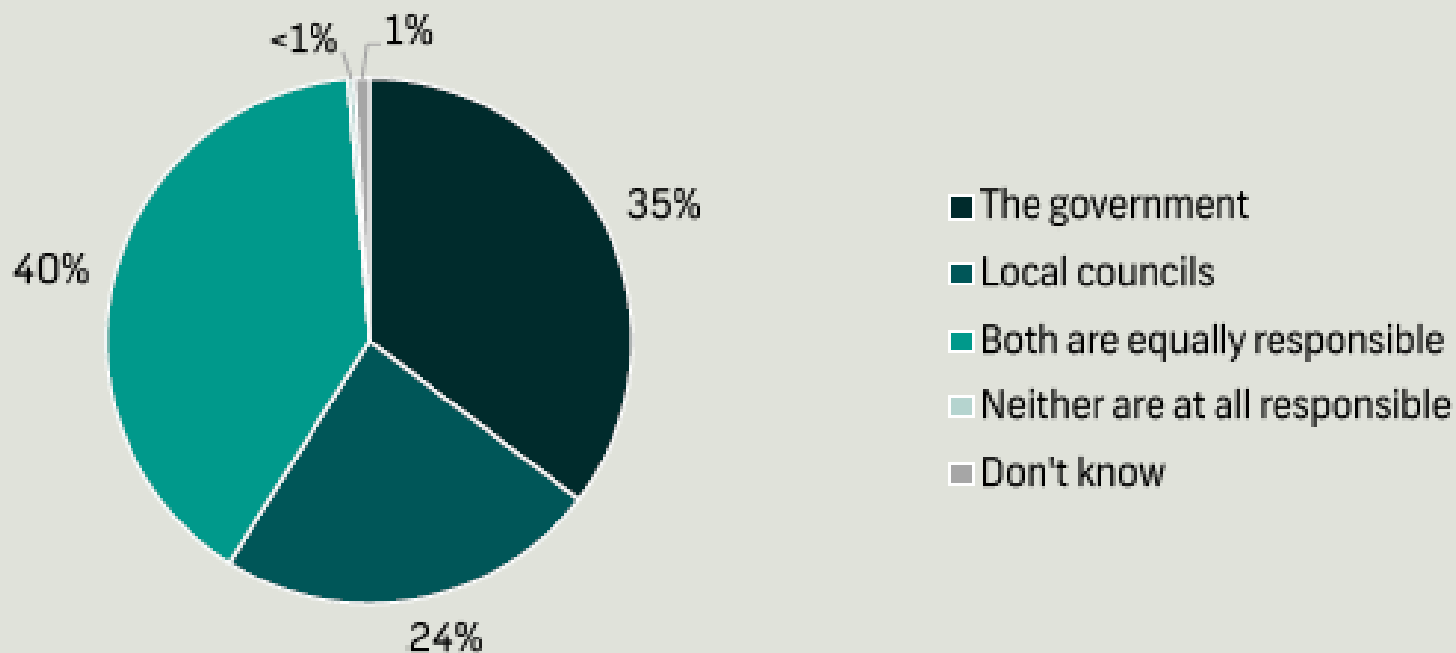
How the public priorities compare to last year



How the public would like extra funds spent



Who do you think is the most responsible for the declining services in your local area?



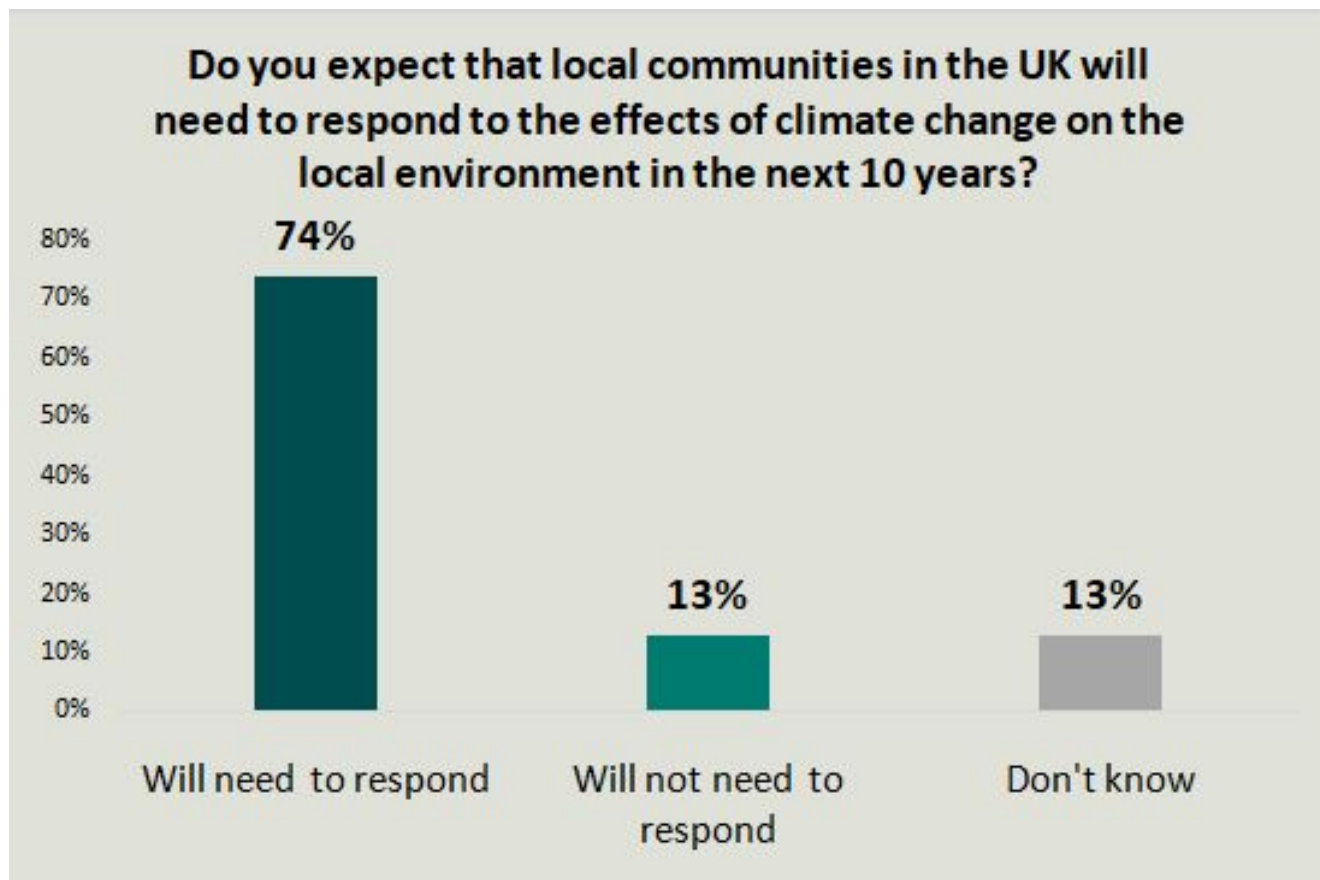
Climate Change now a priority for Councils

This year we undertook additional questions about Councils and climate change which show that it a priority for the public and they expect Councils to take a leading role in responding to climate change.

Five Key findings

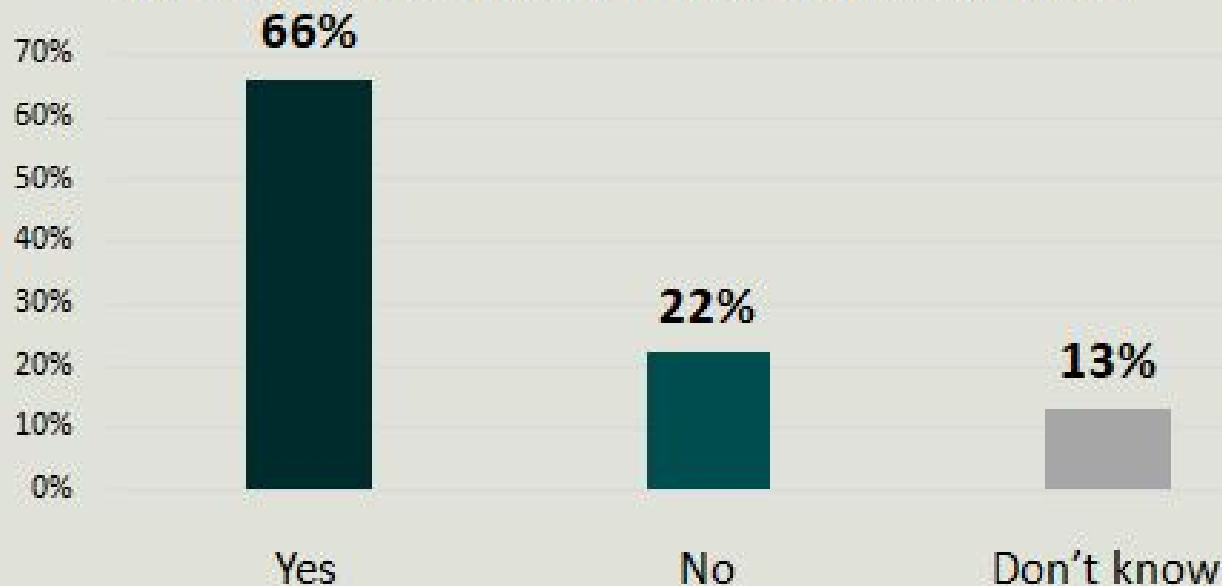
1. 74% expect that local communities will have to respond to the effects of climate change in their area.
2. 66% support additional money for Councils to respond to climate change locally compared to 22% opposed.
3. Equal support for Councils being best placed to combat community effects of climate change with Government at 36% each.
4. Top priorities for local climate change action are making homes more energy efficient and improved waste and recycling.
5. Climate change is the second highest new spending priority after Social Care and ahead of Housing and Road Maintenance.

74% of people think their local community will need to respond to the climate change



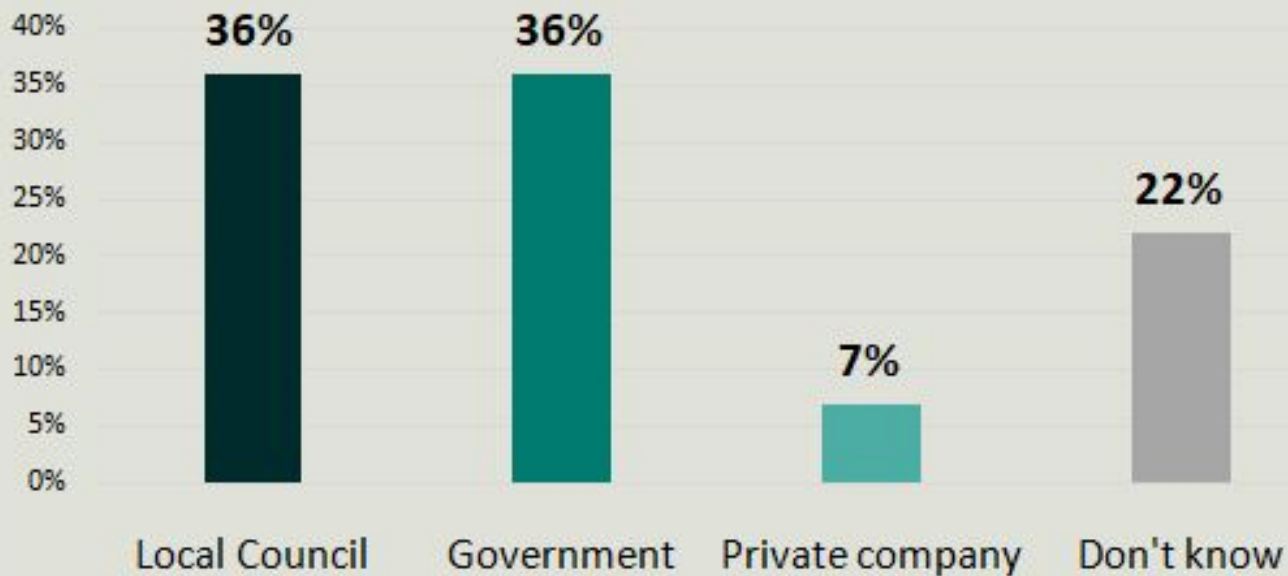
66% support more funds for Councils to combat climate change locally

Would you like to see more money provided by the government to local councils to specifically address climate change in local communities?



Councils and government equally best placed to combat effects of Climate change

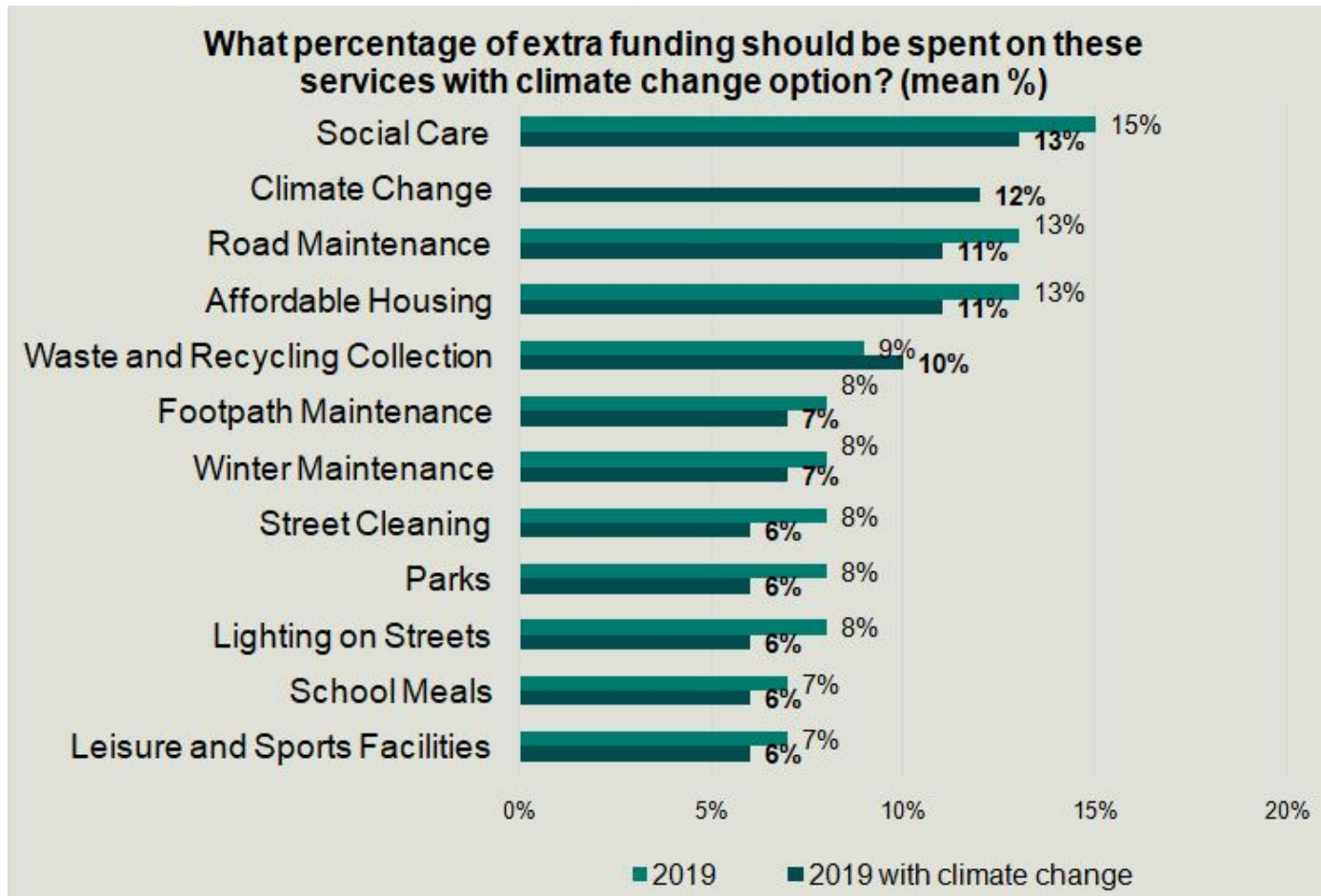
Who do you think is best placed to implement practical local steps to combat the effects of climate change in the local area?



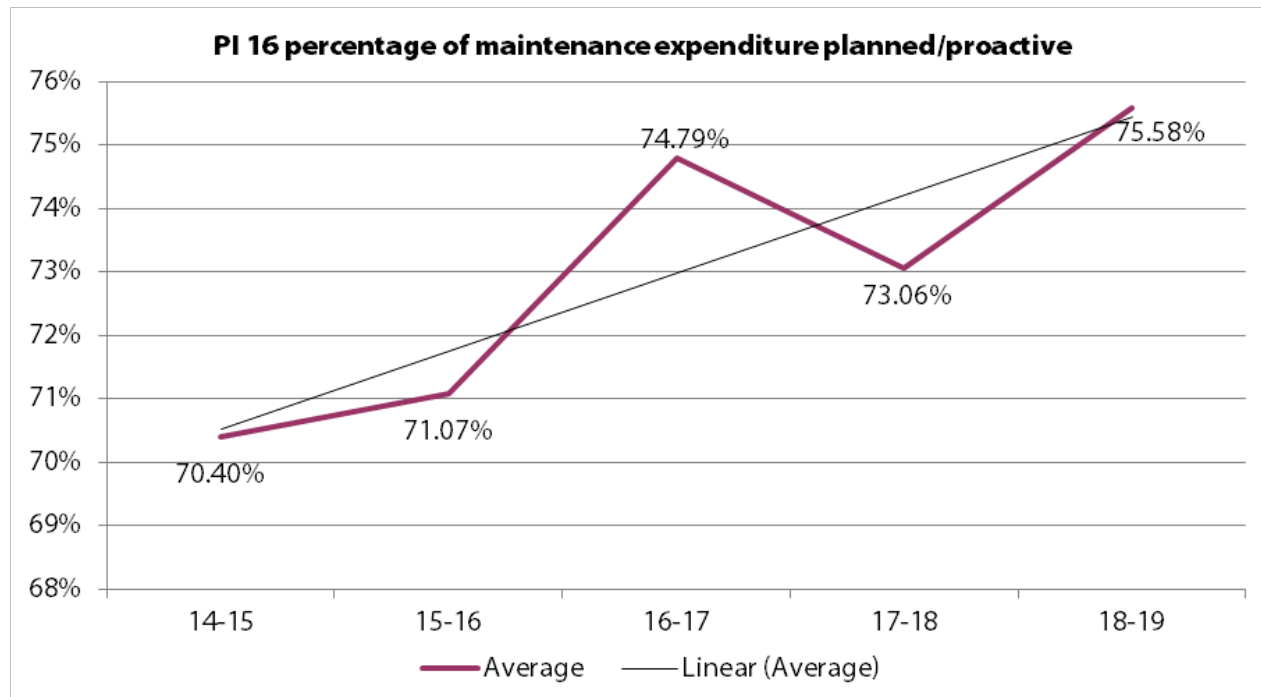
Top priorities for local climate change action



Climate change Second highest new spend



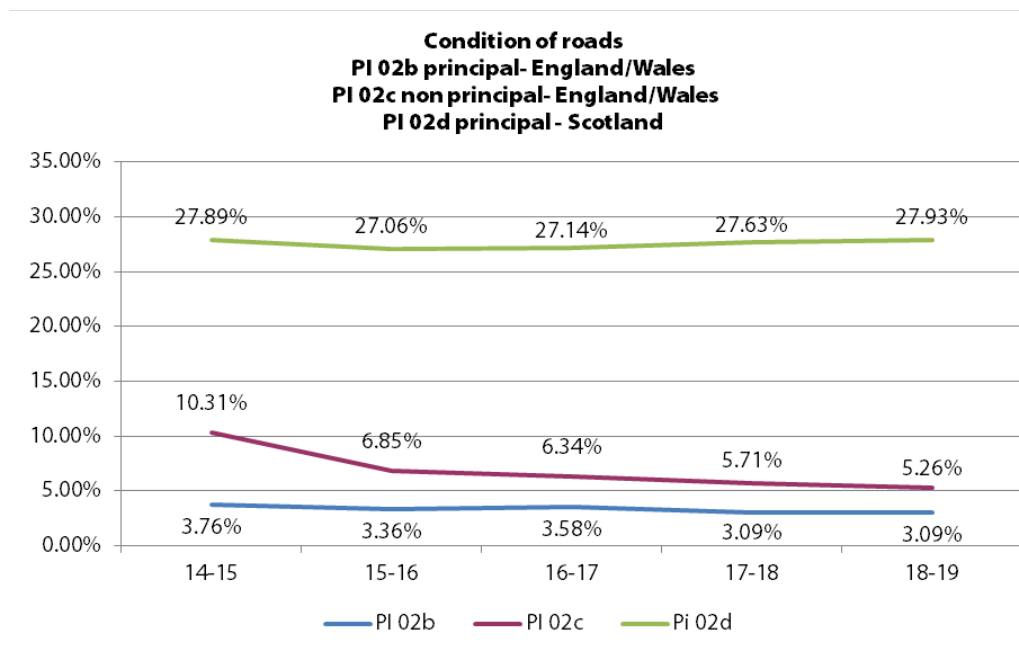
PI 16 Percentage of maintenance expenditure planned / proactive



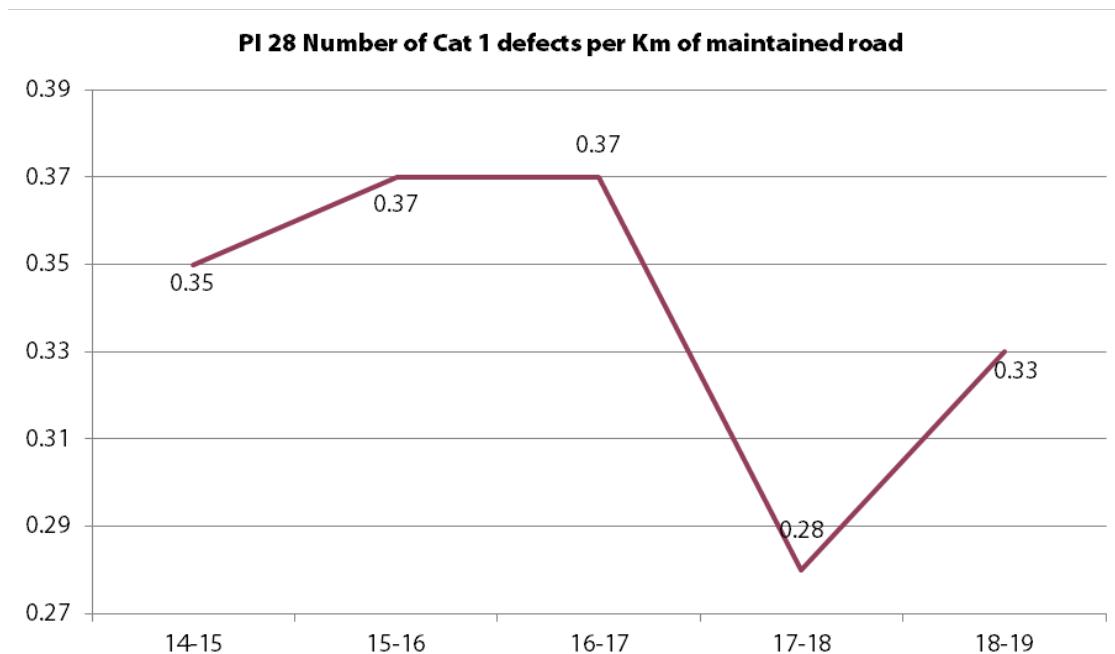
PI 02b Principal Roads England / Wales

PI 02c Non-Principal Roads England and Wales

PI 02d Principal Roads – Scotland

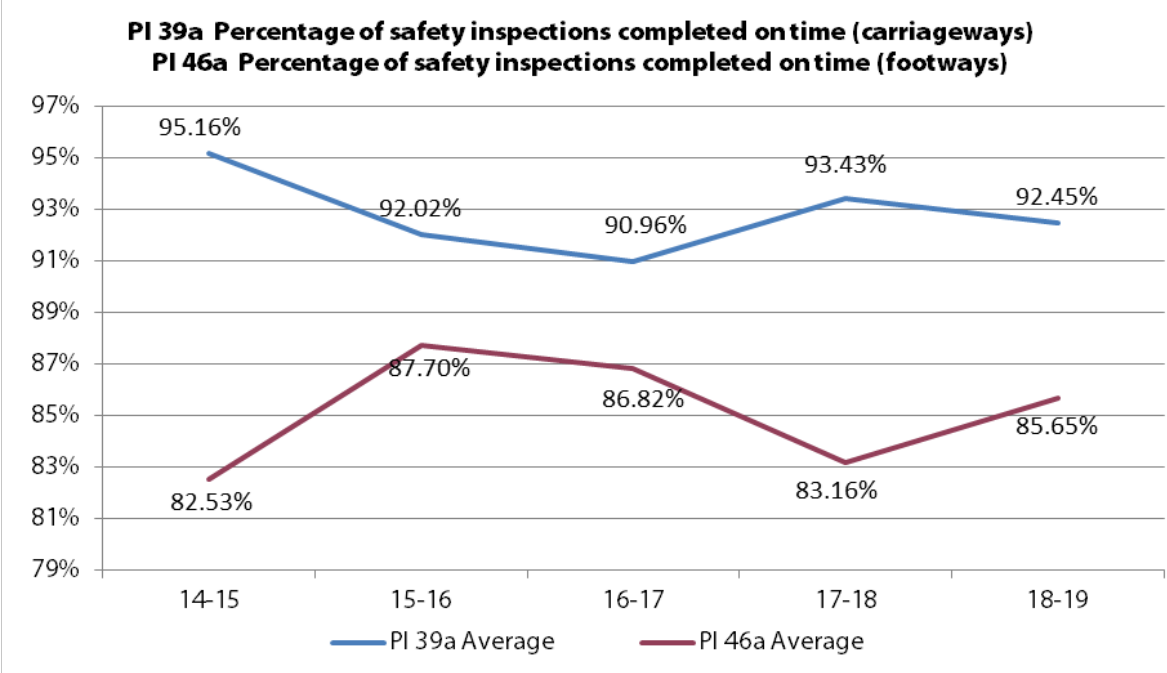


PI 28 Number of Cat 1 defects per KM of maintained road



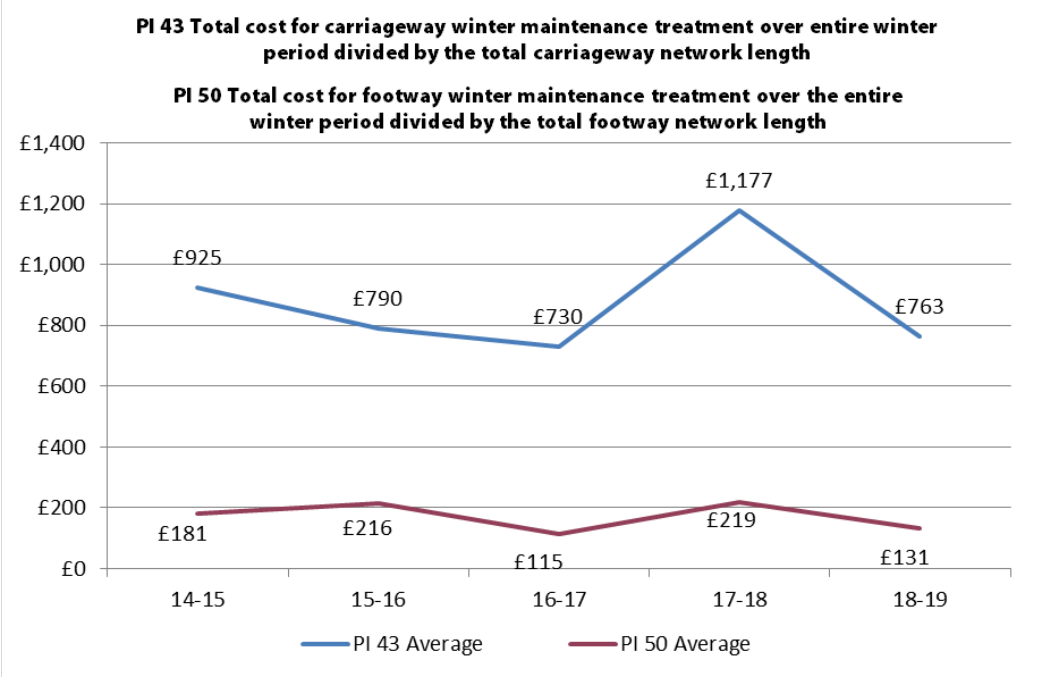
PI 39a Percentage of Safety Inspections completed on time (carriageways)

PI 46a Percentage of safety inspections completed on time (footways)

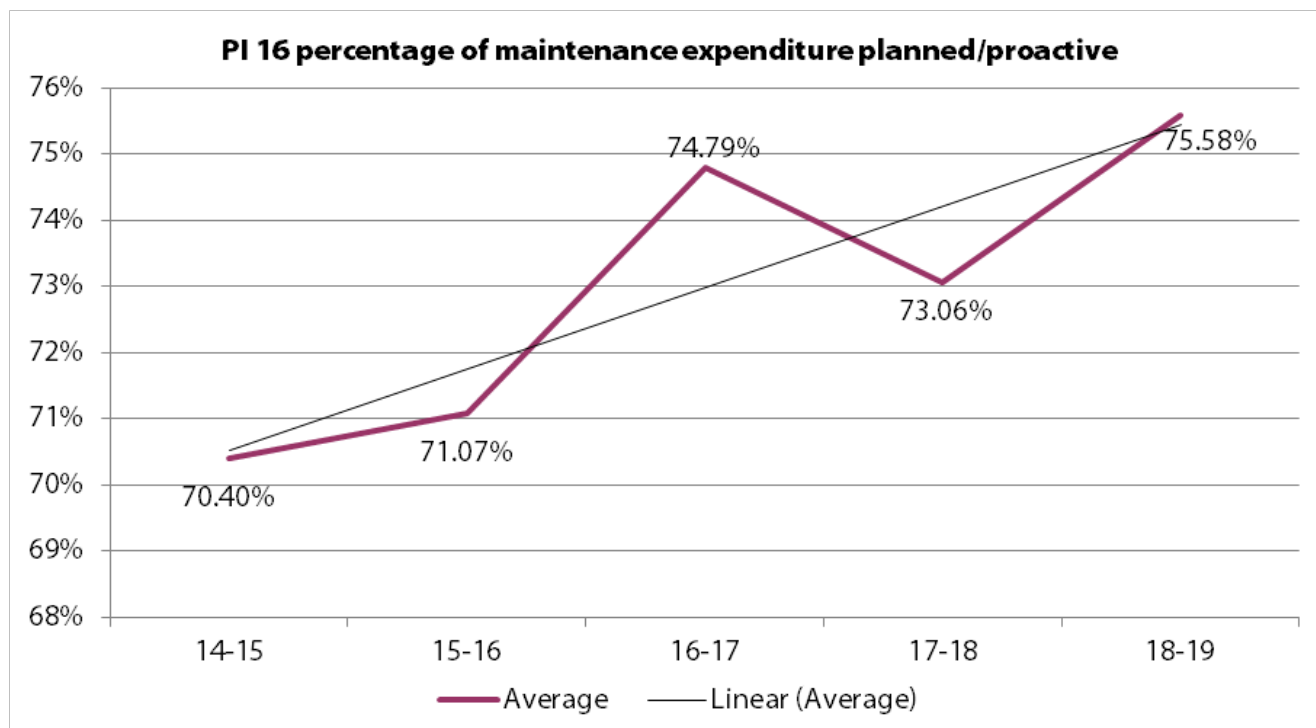


PI 43 Total cost for carriageway winter maintenance treatment over entire winter period divided by the total carriageway network length

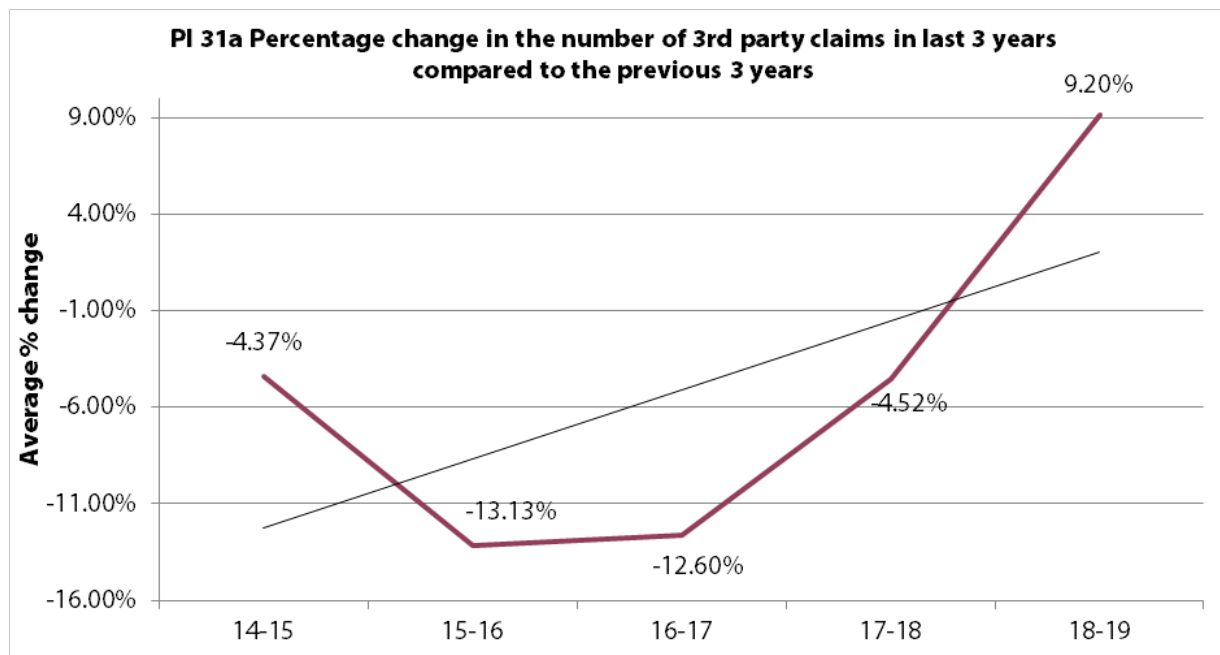
PI 50 Total cost for footway winter maintenance treatment over entire winter period divided by the total footway network length



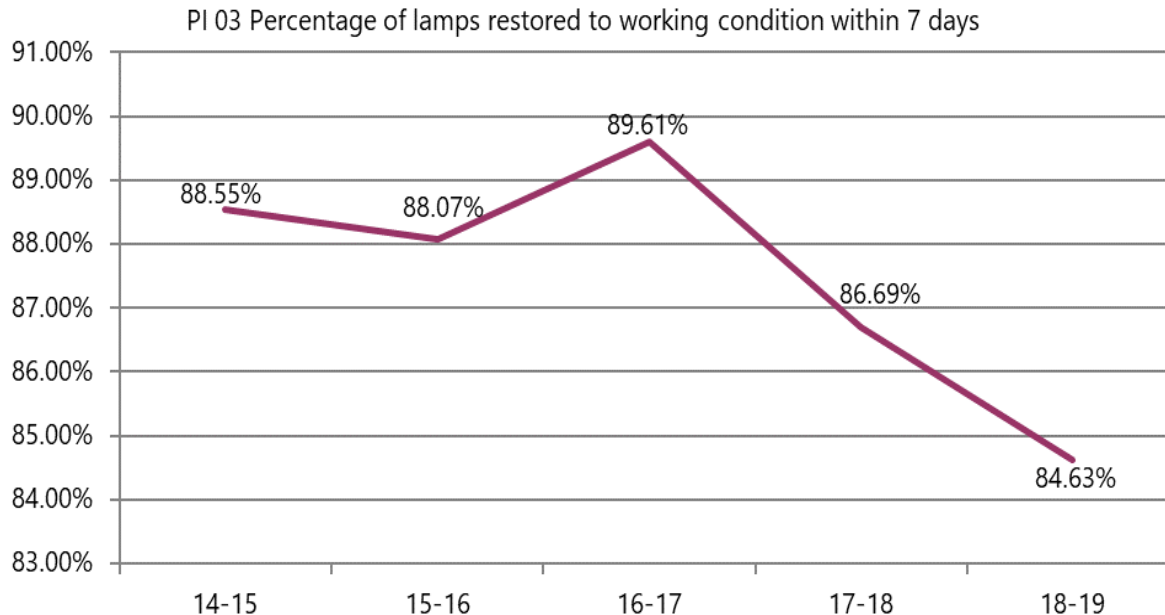
PI 16 Percentage of maintenance expenditure planned / proactive



PI 31a Percentage change in the number of 3rd party claims in last 3 years compared to the previous 3 years

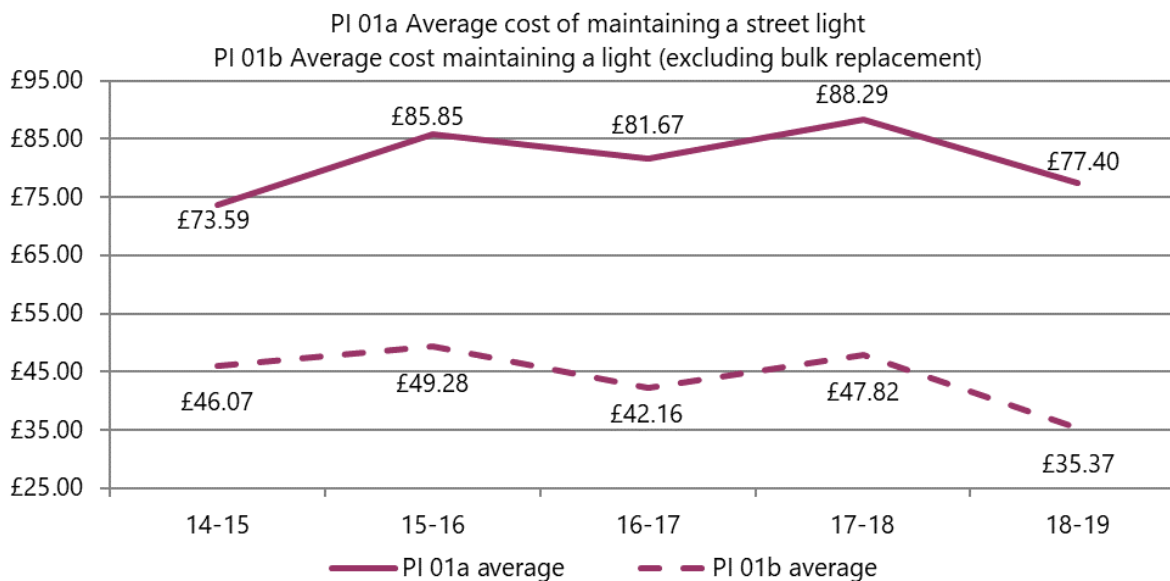


PI 03 Percentage of lamps restored to working condition within 7 days

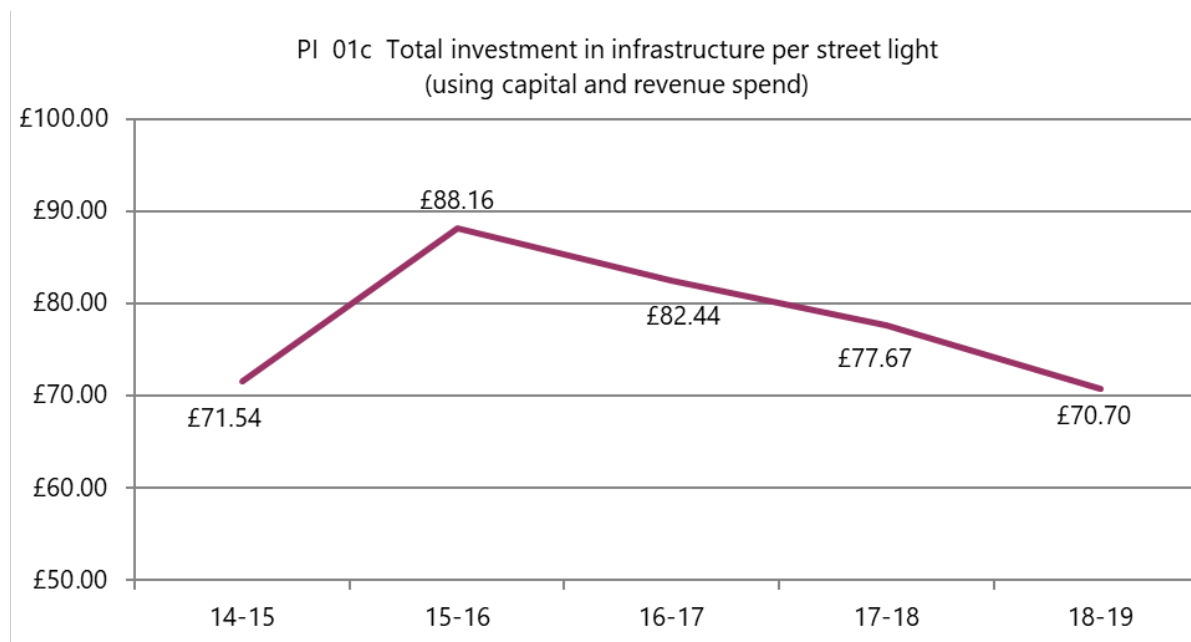


PI 01a Average cost of maintaining a street light

PI 01b (excluding bulk replacement)



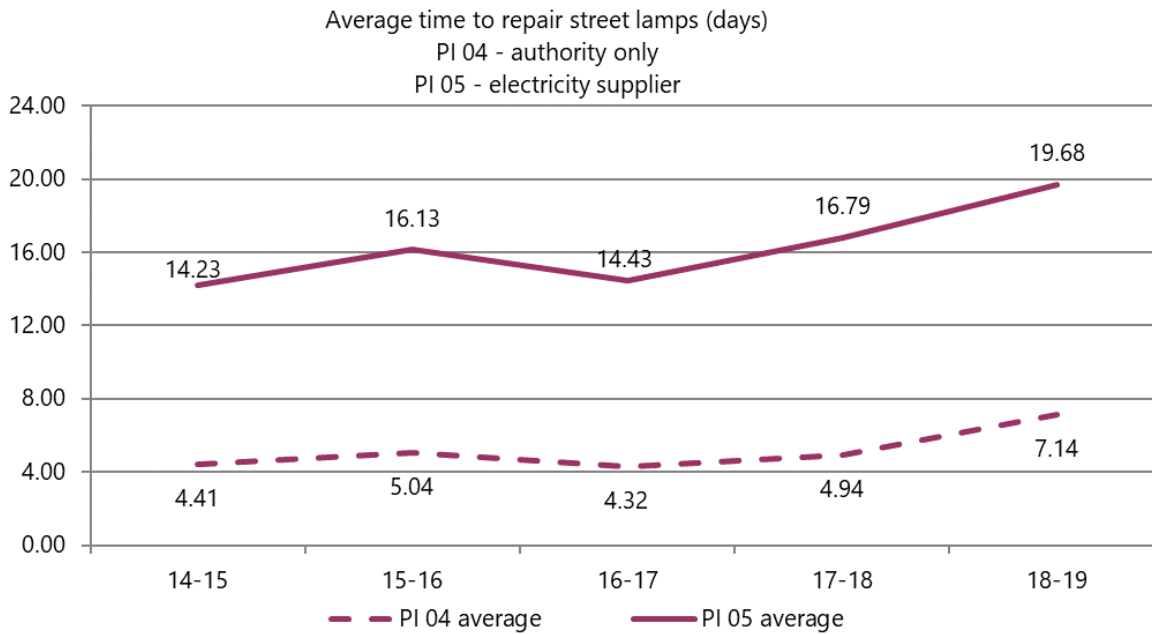
PI 01c Total investment in infrastructure per street light - using capital and revenue spend



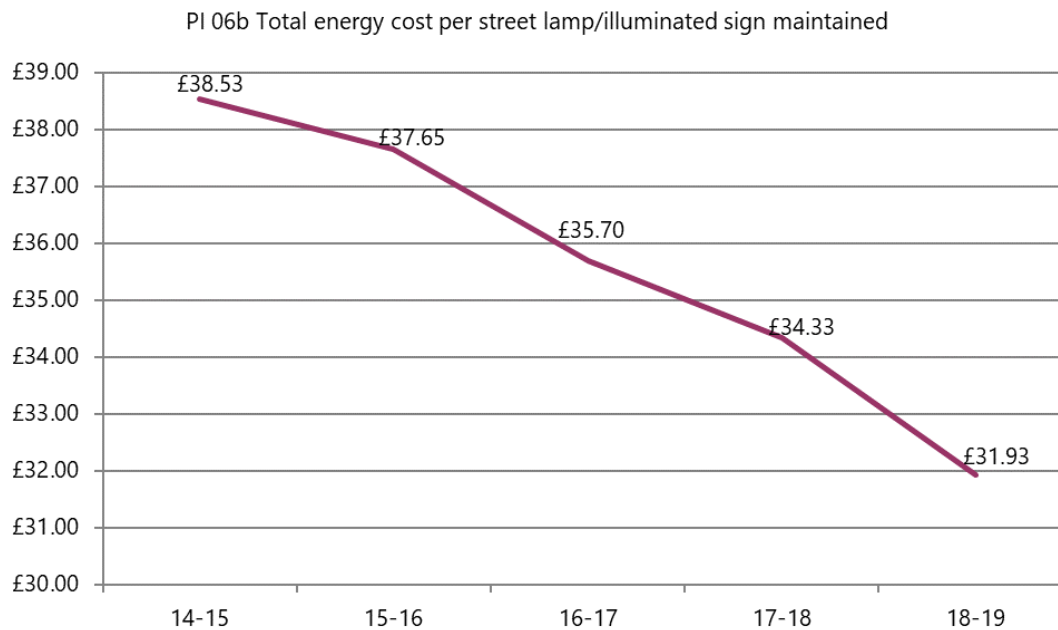
Average time to repair street lamps (days)

PI 04 – authority only

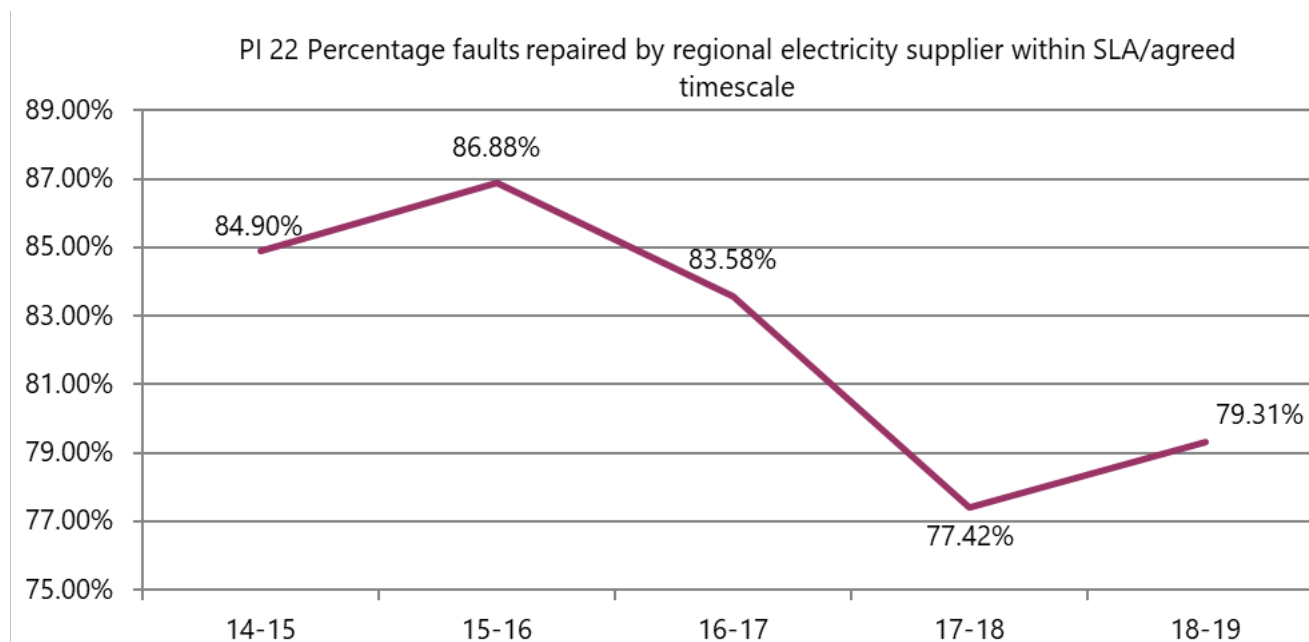
PI 05 – electricity supplier



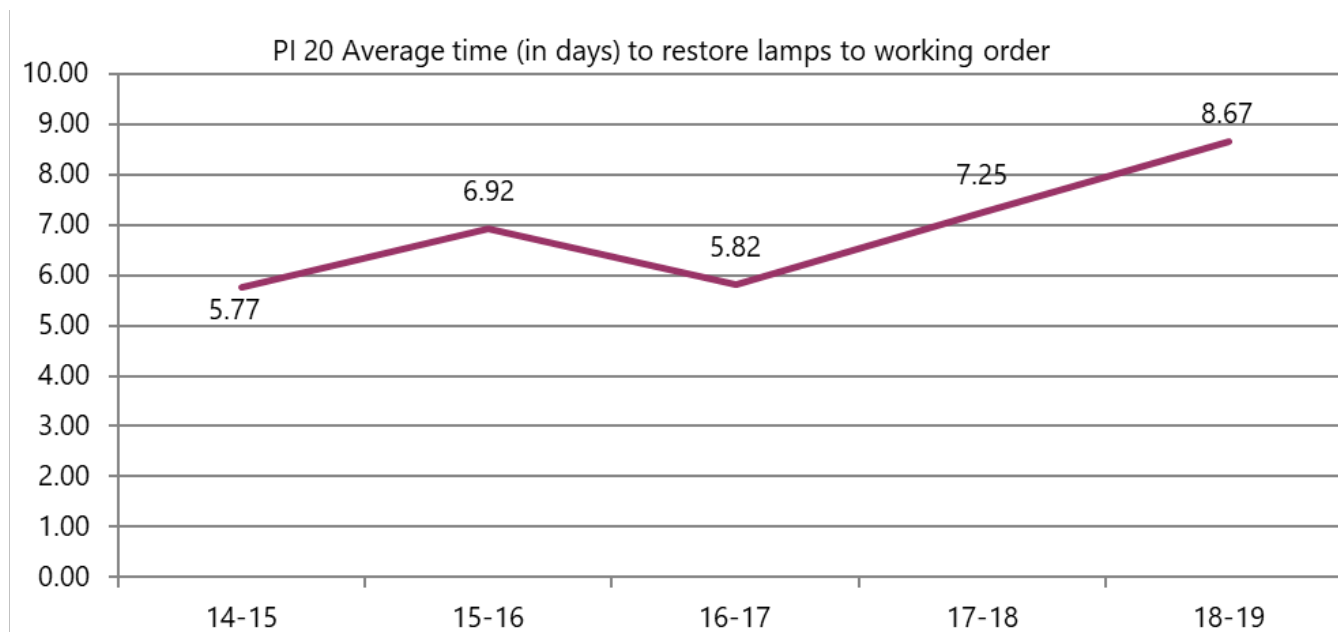
PI 06b Total energy cost per street lamp maintained



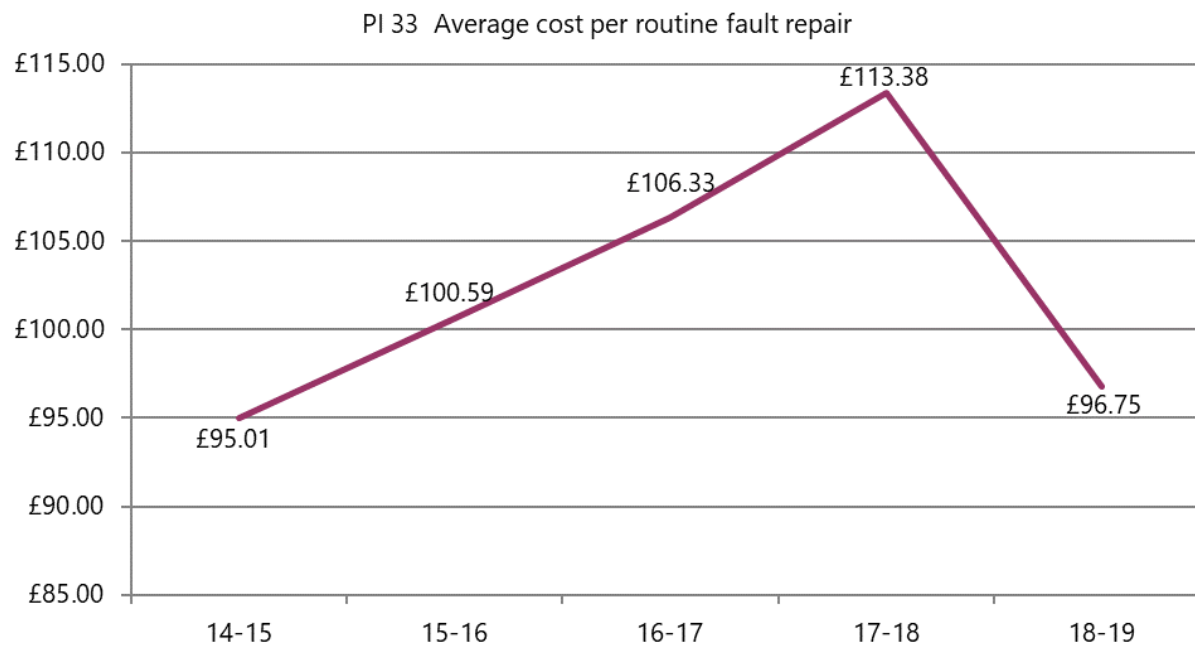
PI 22 Percentage of faults repaired by regional electricity supplier within SLA/ agreed timescale



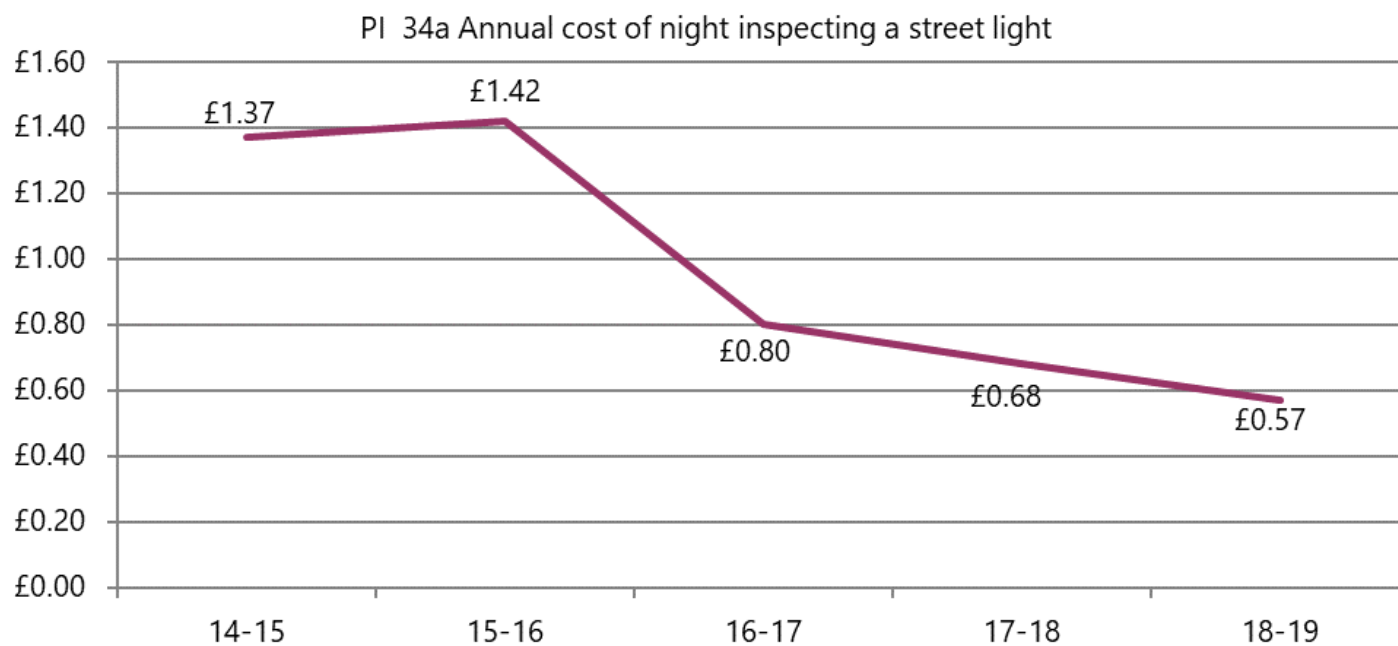
PI 20 Average time in days to restore lamps to working order



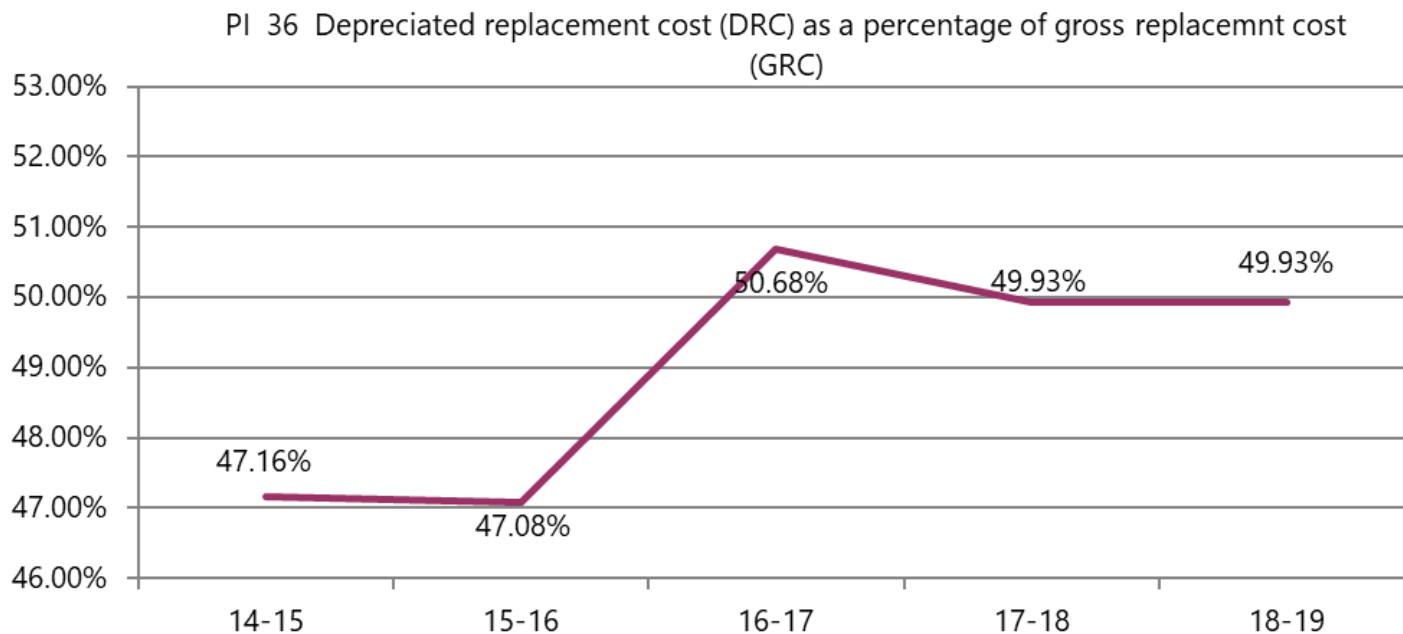
PI 33 Average cost per routine fault repair



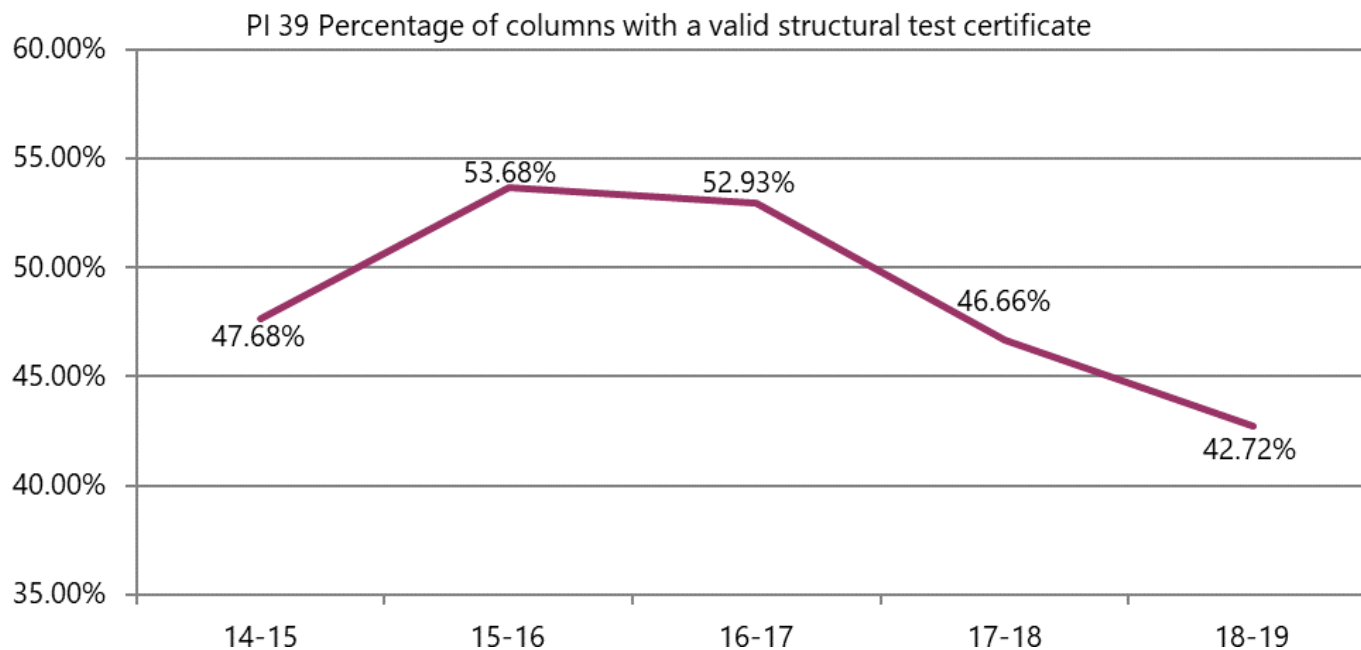
PI 32a – Annual cost of night inspecting a street light



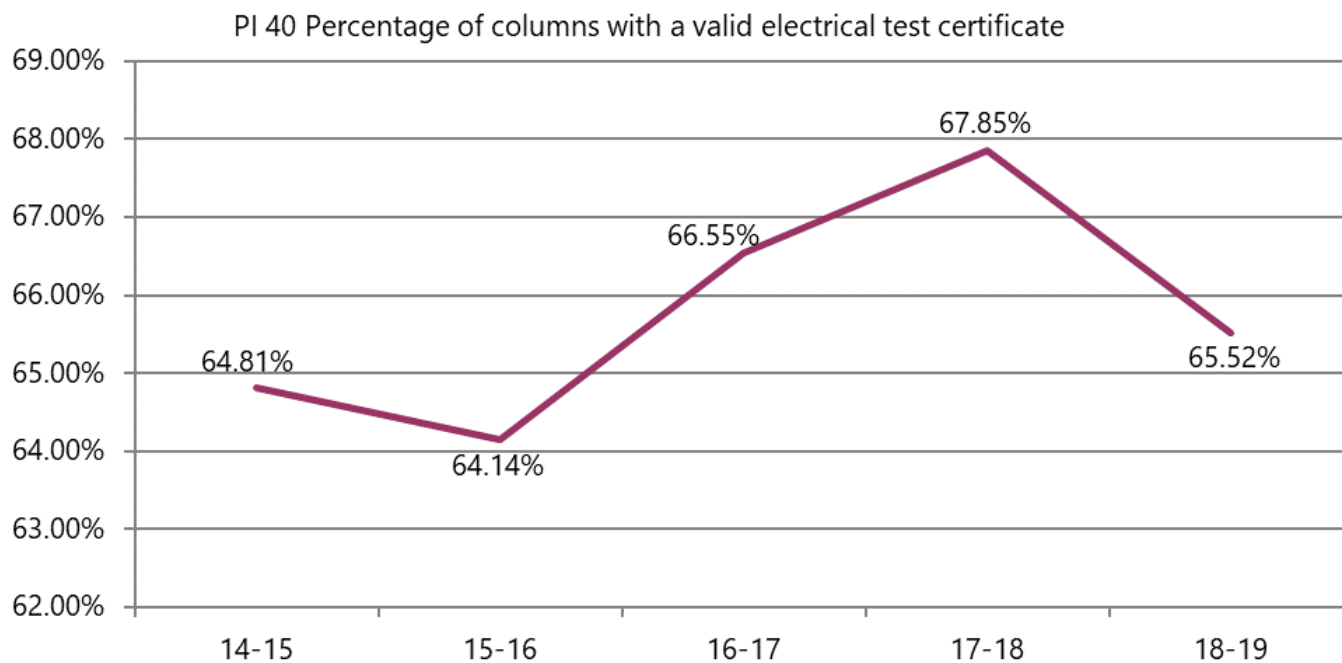
PI 36 Depreciated replacement cost (DRC) as a percentage of gross replacement cost (GRC)



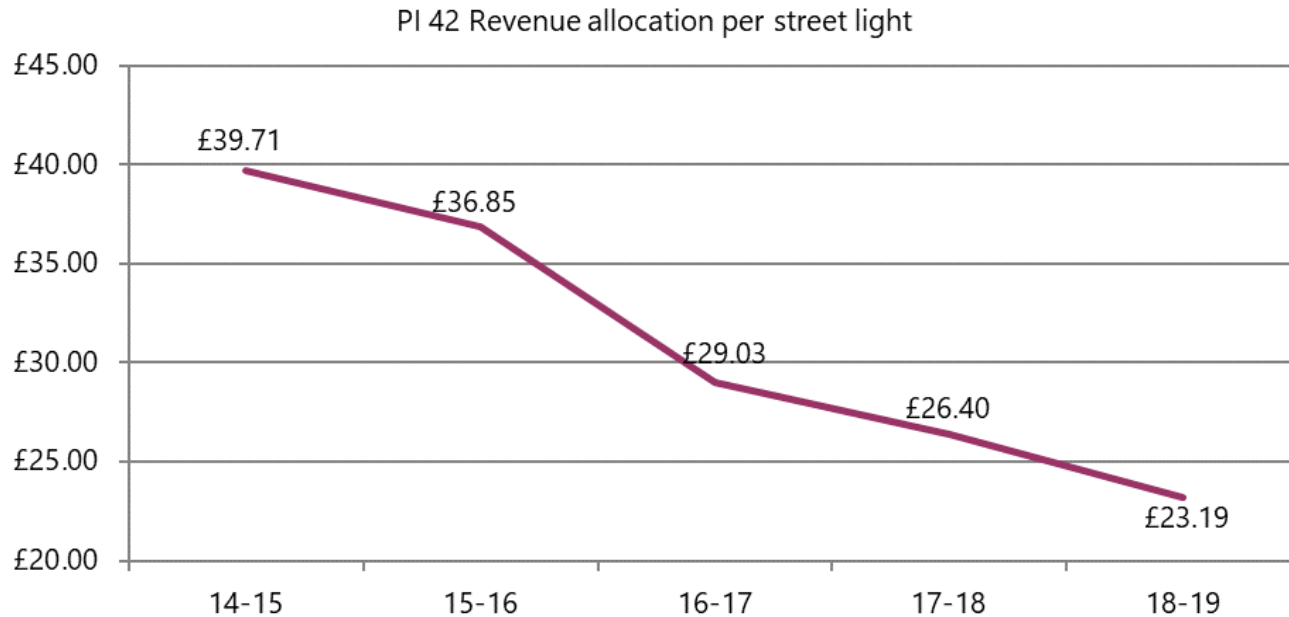
PI 39 Percentage of columns with a valid structural test certificate



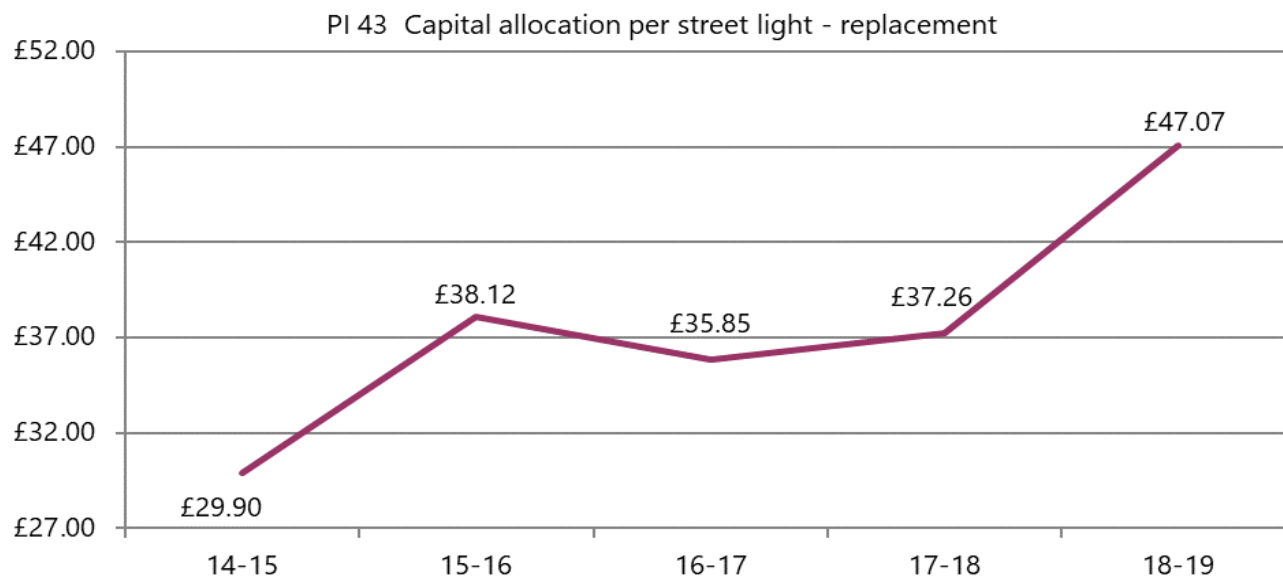
PI 40 Percentage of columns with a valid electrical test certificate



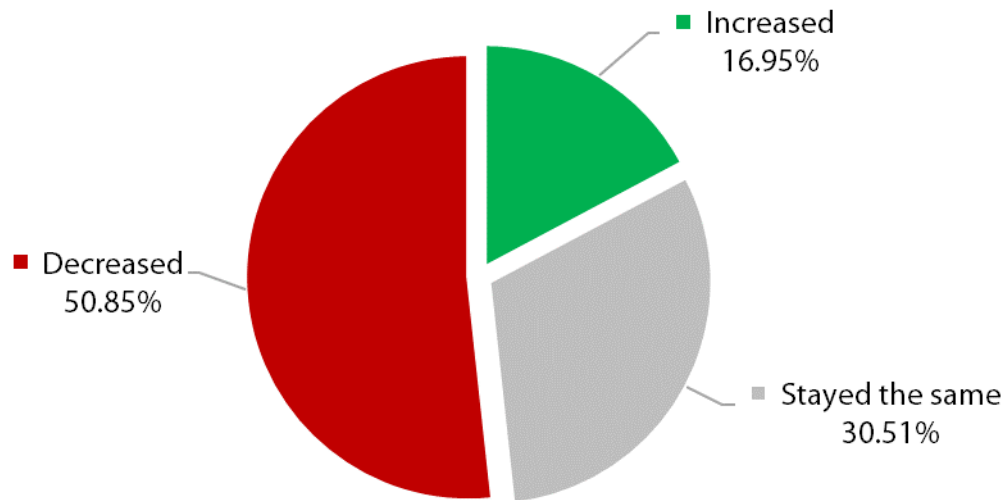
PI 42 Revenue allocation per street light



PI 43 Capital allocation per street light – replacement

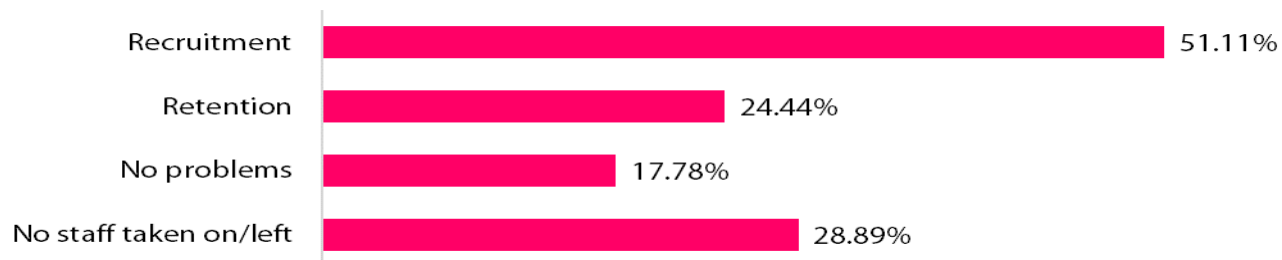


How has the budget for the highways service changed from the last financial year?

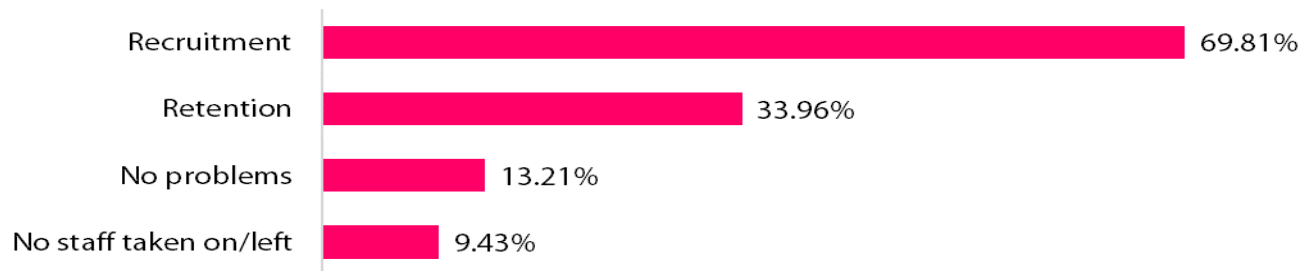


Staffing

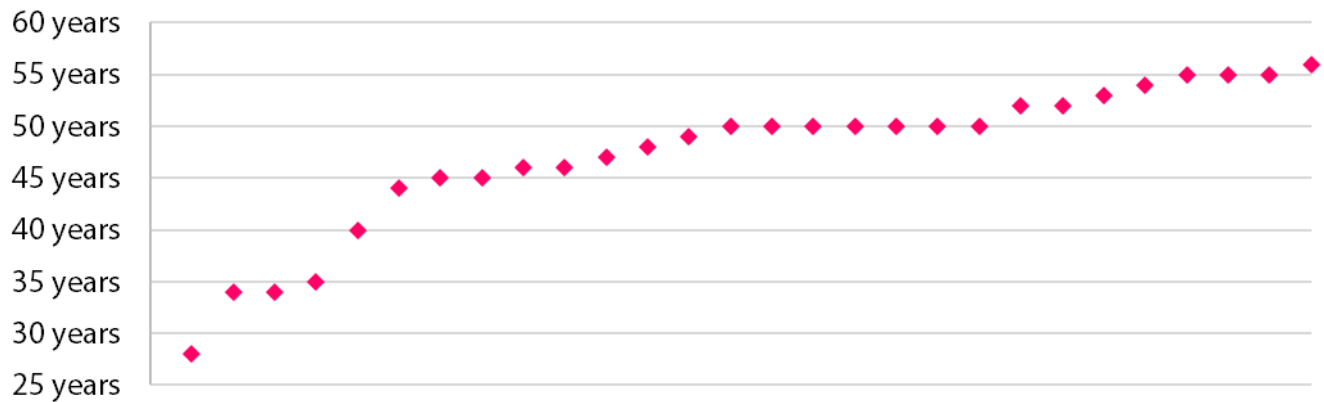
Operatives



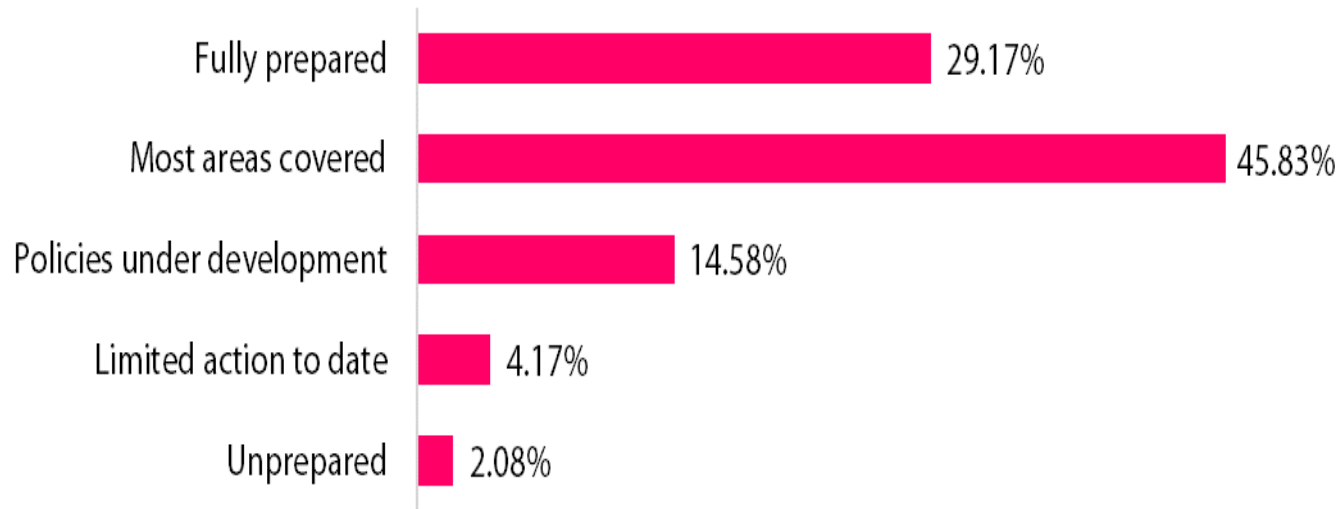
Technical/managerial staff



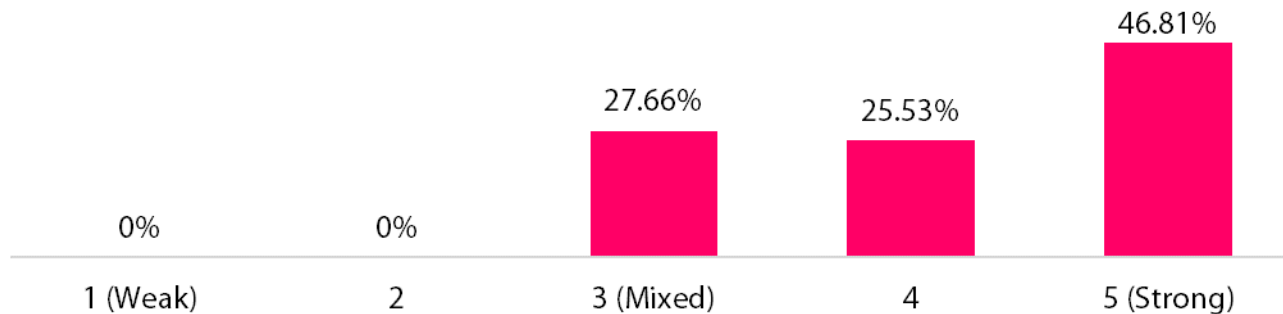
What is the average age of your highways maintenance operational staff?



How prepared are you for the introduction of the New Code of Practice “Well managed Highways infrastructure”?



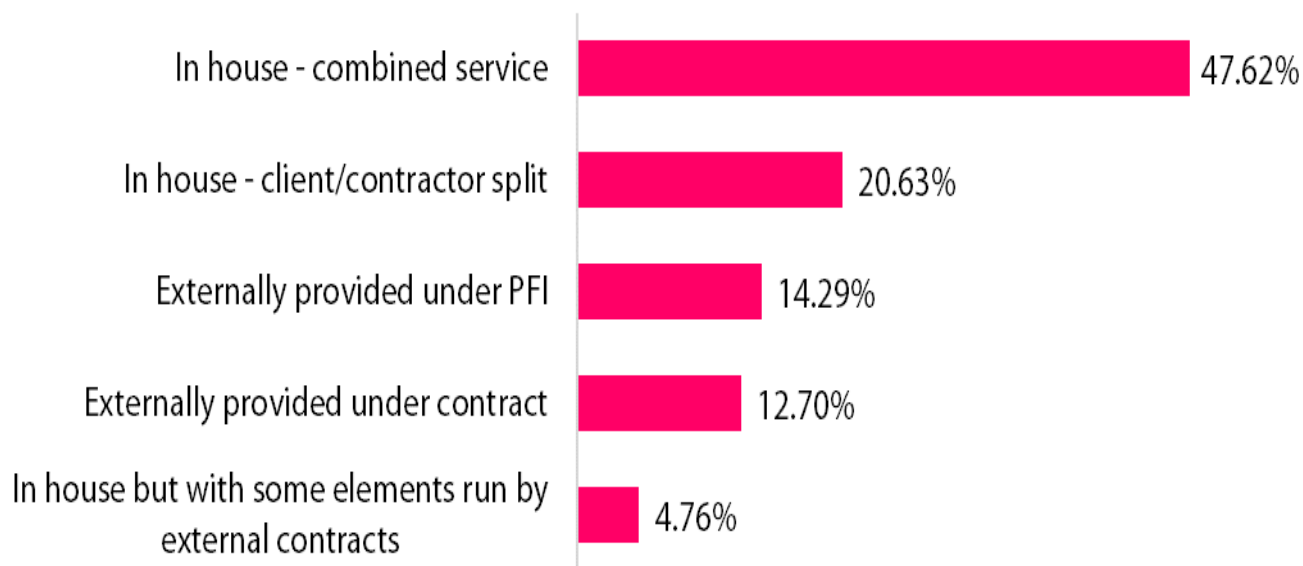
How strongly do you rank your council's approach to defending claims? (from 1 weak to 5 strong)



Innovation

- | | |
|--|---|
| <ul style="list-style-type: none">• Thermal mapping for winter maintenance efficiencies | <ul style="list-style-type: none">• Use of robots for complex white lining |
| <ul style="list-style-type: none">• Utilising alternative materials within pavement designs | <ul style="list-style-type: none">• Use of drones |
| <ul style="list-style-type: none">• Adaptive lighting based on vehicle/pedestrian levels | <ul style="list-style-type: none">• Tar recycling |
| <ul style="list-style-type: none">• Artificial intelligence for processing road condition data | <ul style="list-style-type: none">• An innovative surfacing material which reduces noise on the carriageway |
| <ul style="list-style-type: none">• A polymer modified binder to improve quality of road surfaces | |

How are your street lighting services currently delivered?



Which energy supplier do you use?

EDF	46.81%
Laser	4.26%
NPower	27.66%
Scottish Power	4.26%
SSE	8.51%
Total Gas and Power	4.26%
Western Power	2.13%
West Mercia	2.13%

What is the length of your current energy contract?

1 year	18.92%
2 years	13.51%
3 years	13.51%
4 years	24.32%
5 years	10.81%
Unknown	18.92%

Smart Cities



NEW MUNICIPALISM

Delivering for local people and local economies

Contact details

Rob Bailey

APSE Principal Advisor

Email: rbailey@apse.org.uk

Association for Public Service Excellence

2nd floor Washbrook House, Lancastrian Office Centre, Talbot Road,
Old Trafford, Manchester M32 0FP.

telephone: 0161 772 1810

web: www.apse.org.uk



GB 11409



GB 11132



GB 14074