

Draft Street Lighting Vision and Strategy 2017

Consultation Analysis Report

August 2017

Introduction

A draft Street Lighting Vision and a draft Street Lighting Strategy were released for public consultation on 12 June 2017 for a period of eight weeks ending on 6 August 2017 following approval by the Cabinet Member for Traffic and Transportation on 25 May 2017. This followed an internal consultation across Portsmouth City Council departments in April 2017.

The consultation was run as an online survey which was available on the council website and emailed to key stakeholders and resident's focus group.

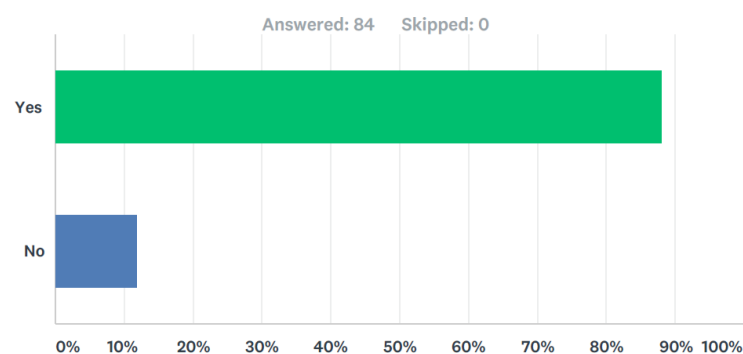
Responses

There were a total of 84 responses to the online survey and five separate responses received by email.

Results

The results to the consultation are detailed below;

Question 1 - Have you read the street lighting vision and strategy?

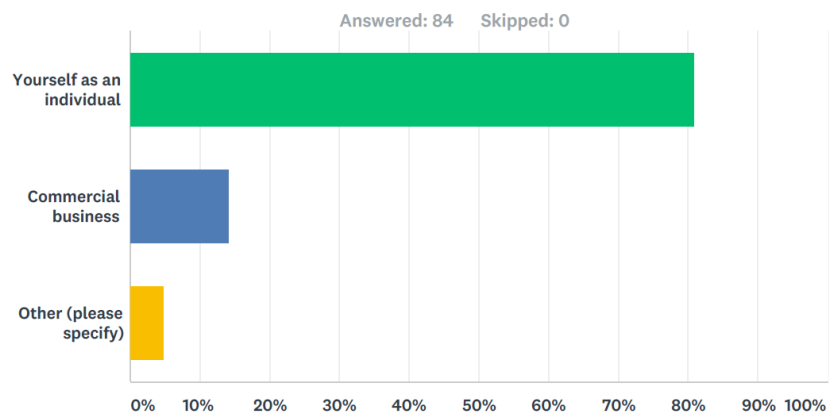


Answer Choices	Responses
Yes	88.10% 74
No	11.90% 10
TOTAL	84

All 84 respondents answered this question, 10 respondents had not read the documents.

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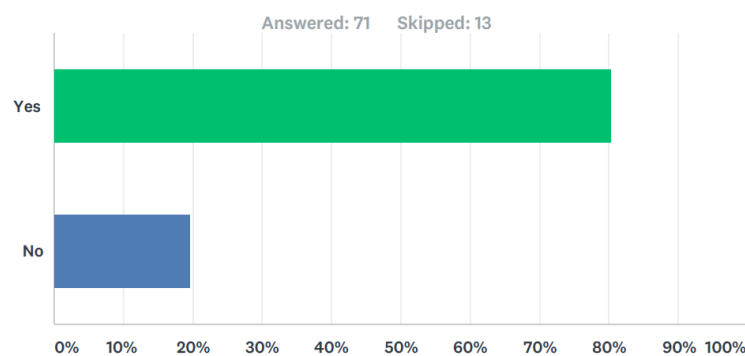
Question 2 - Are you answering on behalf of?



Answer Choices	Responses
Yourself as an individual	80.95%68
Commercial business	14.29%12
Other (please specify)	4.76%4
TOTAL	84

All 84 respondents answered this question. 81% of respondents were answering as an individual, 14% as commercial businesses and 5% as other which were Wildlife Charity, Hampshire Constabulary, Planning (Conservation) and Crime Prevention Design Advisor.

Question 3 - Do you live in Portsmouth?

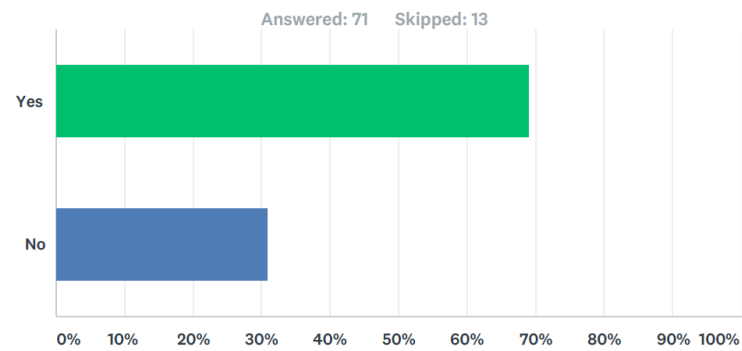


Answer Choices	Responses
Yes	80.28%57
No	19.72%14
TOTAL	71

Out of the 71 respondents who answered this question 80% lived in the city.

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Question 4 - Do you work in Portsmouth?

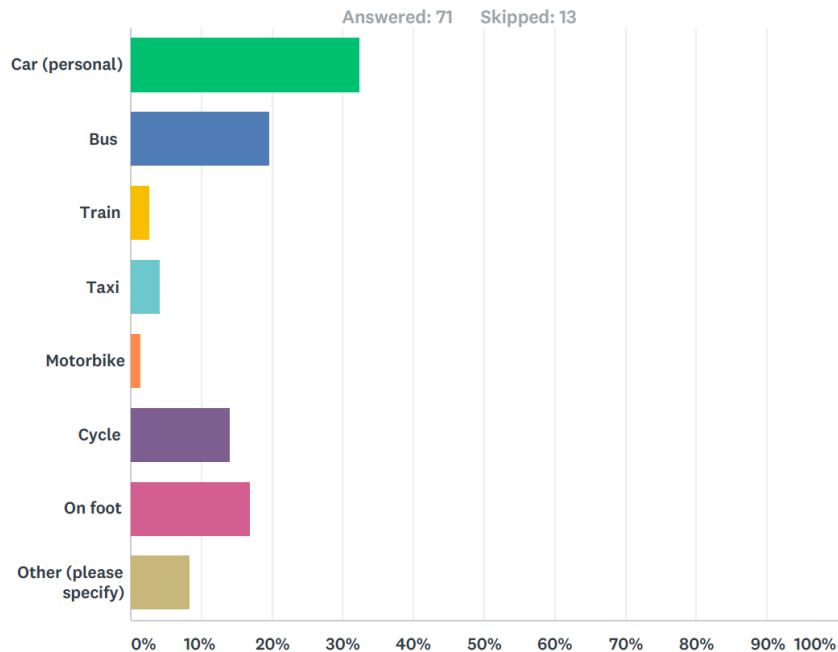


Answer Choices	Responses	
Yes	69.01%	49
No	30.99%	22
TOTAL		71

Out of the 71 respondents who answered this question, 69% work in the city.

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Question 5 - Please indicate your usual mode for travelling around Portsmouth?



Answer Choices	Responses	
Car (personal)	32.39%	23
Bus	19.72%	14
Train	2.82%	2
Taxi	4.23%	3
Motorbike	1.41%	1
Cycle	14.08%	10
On foot	16.90%	12
Other (please specify)	8.45%	6
TOTAL		71

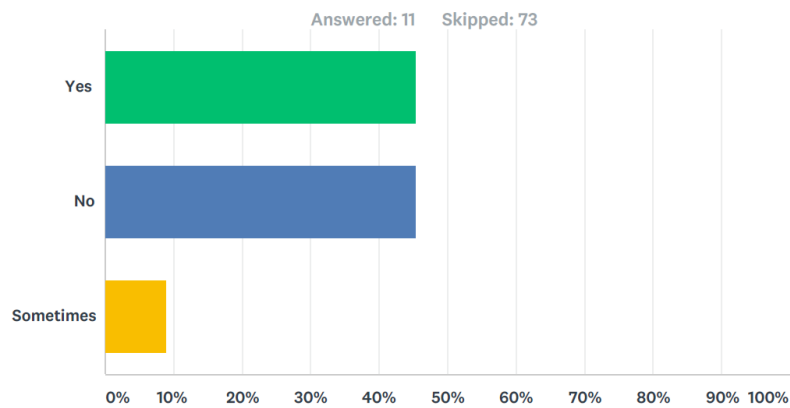
Of the 71 respondents who answered this question 32% stated car, 20% bus, 17% on foot and 14% cycle.

Question 6 - How many members of staff does your organisation employ?

This question was not answered by any of the respondents answering on behalf of a commercial business.

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Question 7 - Do any of your staff members work overnight?

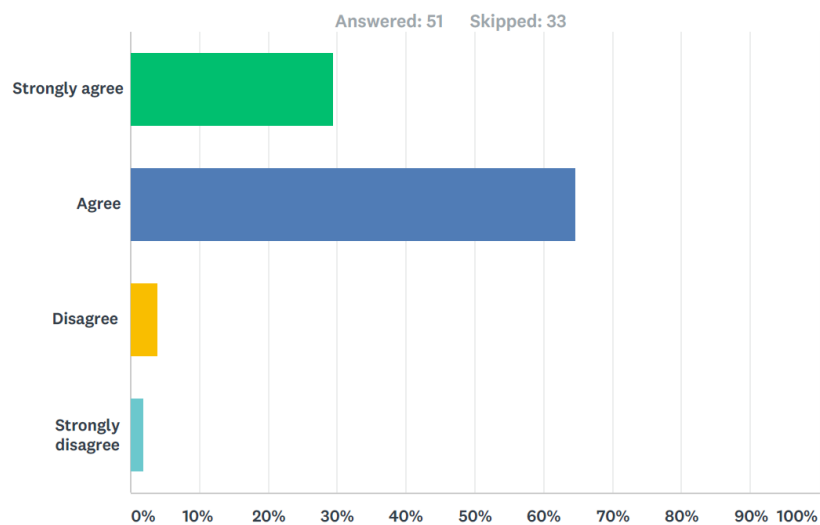


Answer Choices	Responses	
Yes	45.45%	5
No	45.45%	5
Sometimes	9.09%	1
TOTAL		11

Out of the 12 respondents who answered on behalf of Commercial Businesses 11 answered this question. There was an even split as to whether staff worked overnight, with five answering yes, five no and one sometimes.

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Question 8 - Do you agree with the vision that is described in the document?



Answer Choices	Responses	
Strongly agree	29.41%	15
Agree	64.71%	33
Disagree	3.92%	2
Strongly disagree	1.96%	1
TOTAL		51

51 respondents answered this question. 94% of respondents agreed or strongly agreed with the vision, 6% disagreed or strongly disagreed.

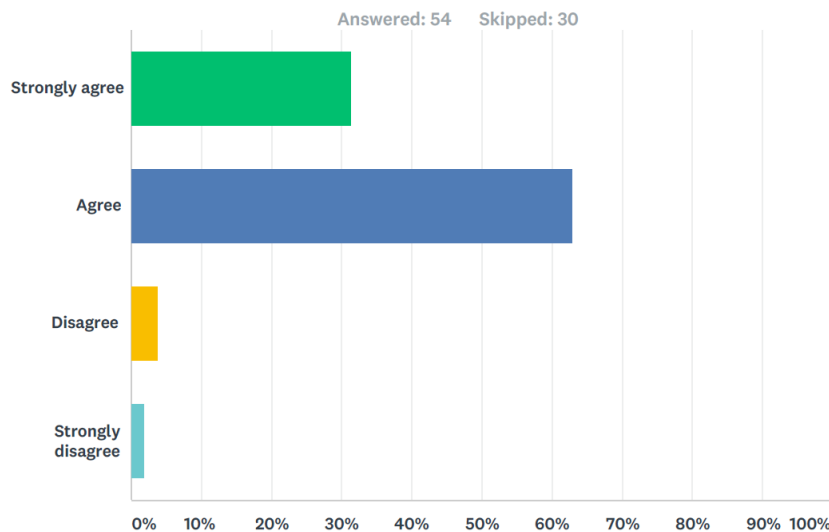
The respondents were invited to explain why they answered as they did to question eight. Comments received were put into 9 categories as follows;

Category	No. of comments	PCC response
Reduce carbon footprint/environmental benefit/ energy efficiency	8	Positive comments agreeing with vision.
Cost savings	5	Positive comments agreeing with vision.
Modern technology advances/ SMART applications	4	Positive comments agreeing with vision.
Makes good sense	4	Positive comments agreeing with vision.
Improved/good lighting/ visibility	4	Positive comments agreeing with vision.
Ability/appropriateness to alter lighting level	3	Positive comments agreeing with vision.
Lighting essential for safety	2	A comment was in disagreement with the vision around the fact that good lighting provides a safer environment for all activities not just travel. PROPOSED AMENDMENT TO VISION: replace the

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		word travel with day-to-day activities.
Balance seems right between safety, light pollution and energy saving	1	Positive comment agreeing with vision.
Benefit health and welfare of community	1	Positive comment agreeing with vision.

Question 9 - Do you believe that the aims in the strategy document are appropriate for Portsmouth?



Answer Choices	Responses	
Strongly agree	31.48%	17
Agree	62.96%	34
Disagree	3.70%	2
Strongly disagree	1.85%	1
TOTAL		54

Of the 54 respondents who answered this question 94% agreed or strongly agreed with the aims, 6% disagreed or strongly disagreed.

The respondents were invited to explain why they answered as they did to question nine. Comments received were put into 13 categories as follows;

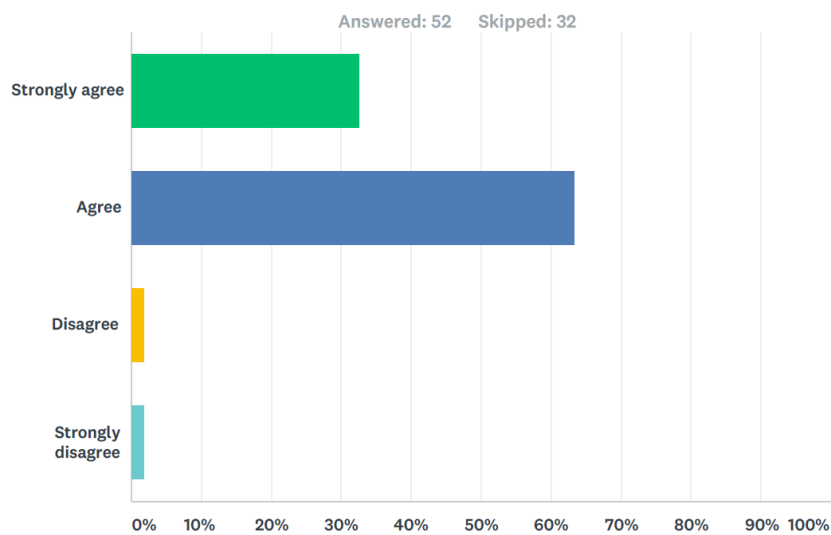
Category	No. of comments	PCC response
Reduce carbon footprint/ environmental/ energy efficient	4	Positive comments agreeing with the aims.
Makes good sense/appropriate	4	Positive comments agreeing with the aims.
Modern technology	2	Positive comments agreeing with the

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advances/SMART applications		aims.
Cost savings	2	Positive comments agreeing with the aims.
Support promotion of Portsmouth as place to live and industry	1	Positive comment agreeing with the aims.
Portsmouth is a series of tightly-packed residential streets	1	Positive comment agreeing with the aims.
Same as all other cities	1	Positive comment agreeing with the aims.
Upgrades required	1	Positive comment agreeing with the aims.
Benefit and protect health and welfare of community	1	Positive comment agreeing with the aims.
Do not outline what effective street lighting network encompasses	1	Positive comment agreeing with the aims.
Ability/appropriateness alter lighting level	1	Positive comment agreeing with the aims.
Lighting does not reduce crime	1	<p>Hampshire Constabulary's Crime Prevention Designer indicates in their response to this consultation that good lighting helps with the prevention of crime.</p> <p>Many lighting studies have been undertaken by the Home Office, with evidence that good or improved street lighting can have a positive effect in reducing crime or the fear of crime by up to 20%. This is especially the case when moving from a yellow/amber light source to a white light source, which has better colour rendering properties and can enhance CCTV picture images assisting in the detection of crime.</p>
Vague enough to be open to interpretation/broadly meaningless	1	This respondent agreed with the aims.

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Q10- Do you believe that the strategic objectives in the strategy are appropriate for Portsmouth?



Answer Choices	Responses	
Strongly agree	32.69%	17
Agree	63.46%	33
Disagree	1.92%	1
Strongly disagree	1.92%	1
TOTAL		52

Of the 52 respondents who answered this question 96% agreed or strongly agreed with the objectives, 4% disagreed or strongly disagreed.

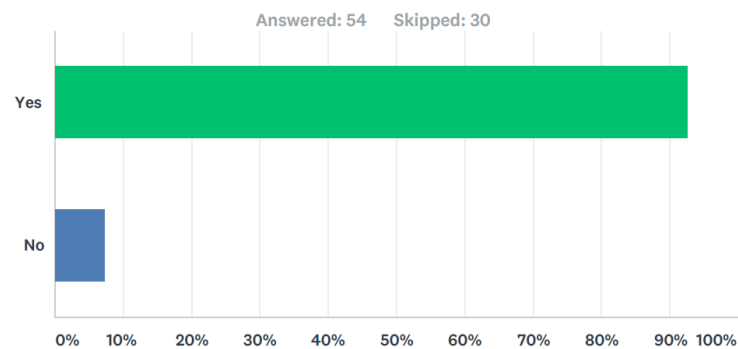
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The respondents were invited to explain why they answered as they did to question 10. Comments received were put into 12 categories as follows;

Category	No. of comments	PCC response
Makes good sense/appropriate/proactive/needed	6	Positive comments agreeing with the strategic objectives.
Reduce carbon footprint/ environmental/ energy efficient	3	Positive comments agreeing with the strategic objectives.
Modern technology advances/SMART applications	2	Positive comments agreeing with the strategic objectives.
Support promotion of Portsmouth as place to live and industry/ takes city forward	2	Positive comments agreeing with the strategic objectives.
Portsmouth is a series of tightly-packed residential streets	1	Positive comment agreeing with the strategic objectives.
Cost savings	1	Positive comment agreeing with the strategic objectives.
Objectives 1 and 2 closely intertwined	1	There is some overlap between objectives 1 and 2 however there are clear separate issues to be achieved; SO1 has a focus on traffic incidents while SO2 has a focus on crime incidents.
Improved street environment at night	1	Positive comment agreeing with the strategic objectives.
Vague enough to be open to interpretation/broadly meaningless	1	This respondent agreed with the strategic objectives.

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Question 11 - Do you agree that the upgrade to LED lighting and introduction of a Central Management System will achieve the proposed aims of the strategy?



Answer Choices	Responses	
Yes	92.59%	50
No	7.41%	4
TOTAL		54

Of the 54 respondents to this question 93% agreed that LED and CMS would achieve the aims of the strategy.

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Respondents were then asked "Why do you believe this to be the case?" Comments received were put into 12 categories as follows;

Category	No. of comments	PCC response
Cost savings	7	Positive comments agreeing that LED and CMS would achieve the aims of the strategy.
Reduce carbon footprint/ environmental/ energy efficient	6	Positive comments agreeing that LED and CMS would achieve the aims of the strategy.
Modern technology advances/SMART applications	2	Positive comments agreeing that LED and CMS would achieve the aims of the strategy.
Depends on interpretation for what is right for an area	2	Concerns were raised around dark areas being left between lamp columns. All replacement lighting will be designed and installed to comply with the current British and European Lighting Standards, and therefore this should eliminate any dark patches between lamp columns. Before any adjustments (dimming) are made to existing lighting levels we will consider the specific needs for the area, and consult with key stakeholders.
Makes good sense/appropriate/ proactive/ best alternative	2	Positive comments agreeing that LED and CMS would achieve the aims of the strategy.
More flexible system	1	Positive comments agreeing that LED and CMS would achieve the aims of the strategy.
Local area benefits	1	Positive comments agreeing that LED and CMS would achieve the aims of the strategy.
Will probably not alone encourage more walking and cycling	1	Improvements to street lighting will help to address some barriers to cycling. Portsmouth has an active travel strategy which looks at all measures to encourage

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		more walking and cycling.
Unclear on effectiveness of system	1	Page 16 of the draft strategy outlines the benefits of an LED upgrade and CMS system.
Portsmouth is a series of tightly-packed residential streets	1	Positive comment agreeing that LED and CMS would achieve the aims of the strategy.
Providing a system that's good quality, good value and effective	1	Positive comment agreeing that LED and CMS would achieve the aims of the strategy.
Lighting level will still have to provide for prevention of crime	1	Any dimming of lighting will consider the specific needs of the area and further consultation will be undertaken before this is implemented. There are currently no plans for switching off lights.

Q12 - Do you consider there are barriers to the implementation of the strategy? If so, how could these barriers be overcome?

17 respondents answered this question, the comments were categorised into seven themes as below;

Category	No. of comments	PCC response
Short term funding	7	Funding for the upgrade to LED and introduction of a CMS system has been approved by Full Council on 11 th July and can be found here; http://democracy.portsmouth.gov.uk/documents/s15472/LED%20Replacement%20Lighting.pdf
Lack of evidence for/understanding by residents	2	A communications strategy will be developed for the upgrade of street lighting to LED providing residents with details including the reasoning behind the project.
Risk of prioritising environmental/cost benefits over safety	2	Safety will not be compromised; any change in lighting levels will be undertaken on a case by case basis.
Local area specific issues	2	Specific issues for local areas will be addressed as each area is delivered.
Ensure comply with legislation	1	All legislation will be adhered to. This comment specifically referenced the Road Traffic Regulation Act 1984 and the requirement of three or more street lights not more than

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		200yards apart in a 30mph speed limit. This requirement will be met. Each area will be assessed on a case by case basis for its suitability for dimming of lights and further consultation will be undertaken when this is brought forward. We will not be removing or replacing any of the existing lighting columns, as part of this strategy. There are currently no plans for switching off lights.
Ensure system is hacker proof	1	PCC Information Services team are fully involved in the project and will ensure the security of the system.
Removal of seafront decorative lighting would be a great loss	1	The seafront lighting is currently excluded from the upgrade to LED.

Q13 - Do you have any further comments on the street lighting strategy?

24 respondents answered this question, the comments were categorised into 19 themes as below;

Category	No. of comments	PCC response
Long term change required/ way forward	2	Positive comments in support of the draft street lighting strategy.
Use solar/wind power for street lighting	2	Consideration of environmental friendly solutions will be made through the procurement process.
Ensure comply with legislation	1	All legislation will be adhered to. This comment specifically referenced the Road Traffic Regulation Act 1984 and the requirement of three or more street lights not more than 200yards apart in a 30mph speed limit. This requirement will be met. Each area will be assessed on a case by case basis for its suitability for dimming of lights and further consultation will be undertaken when this is brought forward. There are currently no plans for switching off lights.
Light pollution into residential properties not mentioned	1	Page 9 of the draft strategy states "Street lighting must still be well designed to ensure it is lighting the street area as intended and no excess and or undesirable light is emitted towards residential

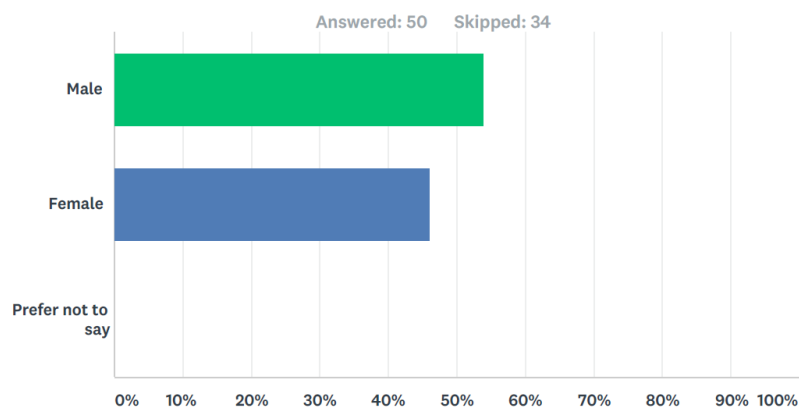
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		properties or polluting the night time sky."
Keep bus clearways clear during planned works	1	Works will be carefully planned to ensure minimum disruption as possible.
More lighting on A27	1	This comment has been fed back to the Street Lighting PFI contractor and Highways England (it is unclear which part of the A27 the respondent is referring to).
No mention of when costs outlaid will be met by savings	1	Proposed energy and cost savings are detailed in the project report which was approved by Full Council on 11 th July and can be found here; http://democracy.portsmouth.gov.uk/documents/s15472/LED%20Replacement%20Lighting.pdf
Street lighting is currently too high and above the trees leaving dark areas	1	The PFI contractor should ensure that lighting is adequate and not obstructed. Any specific areas identified will be investigated. When the LED upgrade project is rolled out all areas will be fully surveyed.
Do not move lamp columns	1	There is no proposal to relocate lamp columns as part of this strategy.
Do not turn off lights at certain times	1	Although the CMS provides the ability to there are currently no plans to turn off lighting at certain times.
Hate orange sodium lights	1	The upgrade to LED white lighting will address this issue.
Some current lighting levels too low	1	The PFI contractor should ensure that lighting is adequate and not obstructed. Any specific areas identified will be investigated. All replacement lighting will be designed and installed to comply with the current British and European Lighting Standards.
Consider people with visual impairments	1	An equalities impact assessment has been undertaken and will be updated following this consultation.
Link with movement sensors	1	This could be considered if this technology is well proven on future years. This is outside the scope and budget of the LED upgrade project.
Seafront/ Christmas decorative lighting should not be affected	1	Seafront and Christmas decorative lighting will not be affected by this strategy/ upgrade to LED.
Query if PFI contractor Ensign on board	1	Ensign PCC's street lighting contractor was consulted on the draft vision and strategy in April. They are fully aware and involved in the project to upgrade the street lights to LED.
Use full cut off	1	Through our careful choice and selection of the LED

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luminaires only		luminaire products we will try to minimise light pollution and nuisance glare, with no or very little light being emitted above the horizontal plane.
Will this increase around coastline	1	The number of street lights will not be altered.
good to have state of art technology/ better lighting	1	Positive comments in support of the strategy.

Question 14 - What gender do you identify with?



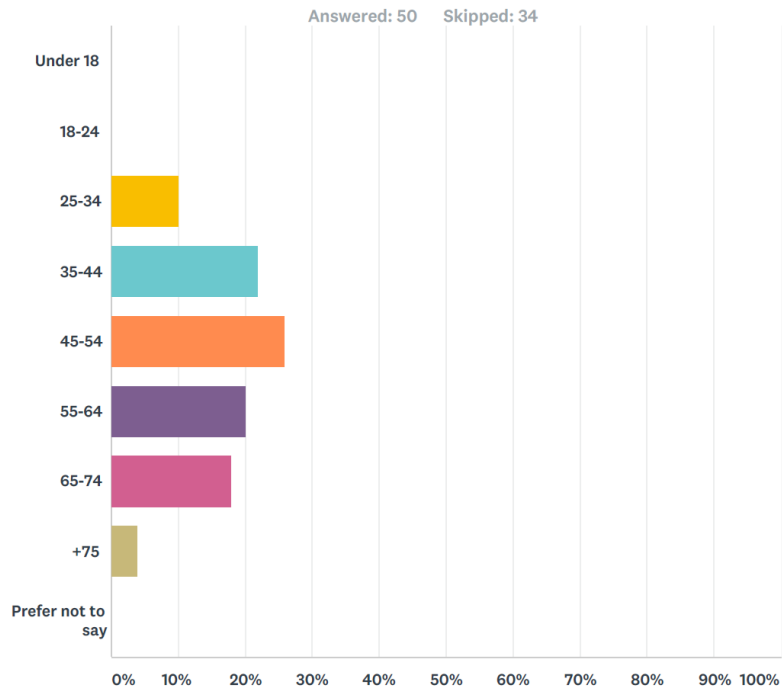
Answer Choices	Responses	
Male	54.00%	27
Female	46.00%	23
Prefer not to say	0.00%	0
TOTAL		50

Of the 50 respondents who answered this question 54% were male, 46% female.

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Question 15 - Please indicate your age

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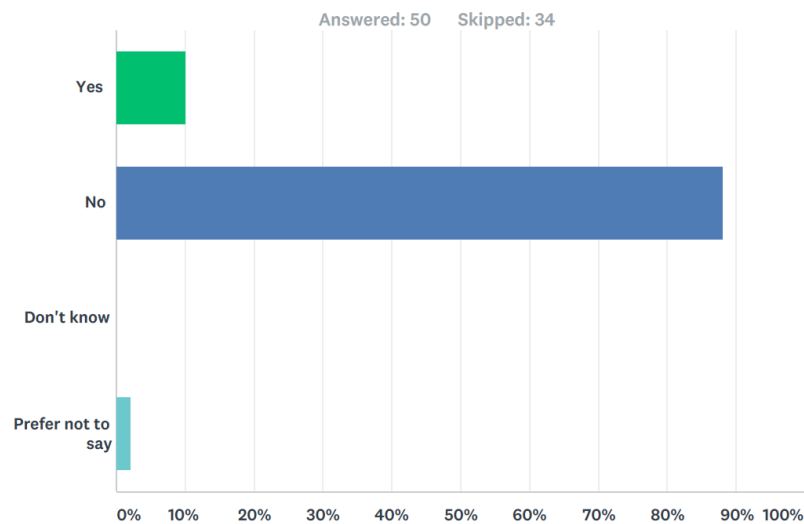


Answer Choices	Responses
Under 18	0.00% 0
18-24	0.00% 0
25-34	10.00% 5
35-44	22.00% 11
45-54	26.00% 13
55-64	20.00% 10
65-74	18.00% 9
+75	4.00% 2
Prefer not to say	0.00% 0
TOTAL	50

Of the 50 respondents who answered this question 86% were aged between 35 and 74.

Q16 - Disability: Are your day-to-day activities limited because of a health problem or disability which has lasted or is expected to last, at least 12 months?

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Answer Choices	Responses
Yes	10.00% 5
No	88.00% 44
Don't know	0.00% 0
Prefer not to say	2.00% 1
TOTAL	50

5 of the respondents stated that their day-to-day activities were limited because of a health problem or disability which has lasted or is expected to last, at least 12 months. One of which stated it was a visual disability.

Q17 - What is your ethnic group?

Of the 50 respondents who answered this question 90% were British white, 2% any other white background, 2% Indian and 6% preferred not to say.

Written Responses

The five written responses can be categorised into themes as follows;

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Comment	PCC response
Impact of any alterations on festive light provision/ lamp column banners	<p>The LED upgrade project will only change and update the existing street lighting luminaries to LED lighting. It will not remove, or replacing any of the existing lamp columns on the highway.</p> <p>With reference to installing festive lighting or advertising banners attached to the existing lamp columns, providing there are agreements already in place with the PFI Service Provider/Contractor, the appropriate highway licenses have been issued, and compliance with the current code of practice for 'Festive Lighting Illuminations' on the highway, then these will proceed as usual.</p>
LED lamps should be specified rather than the awful energy efficient and environmentally damaging fluorescent lamps	The procurement specification will be for LED lamps.
Units should be made locally and create employment	The procurement process may look favourably on suppliers that can provide wider benefits to the local economy.
Impact on historic columns	<p>Heritage and bespoke lighting, subways, and illuminated traffic signs and bollards have all been excluded from the LED upgrade project.</p> <p>This means for the City's heritage lighting, including 'listed' lighting columns in conservations areas the lamp columns and situation remains unchanged.</p>
Consideration of lighting levels in areas with a casualty history and regular reviews of lighting levels in areas with emerging casualty patterns.	The appropriateness of any alteration to lighting level will be taken forward on a case-by-case basis with further consultation undertaken before any changes are made. Lighting levels will be reviewed periodically.
Compliance with relevant legislation	All legislation will be adhered to. This comment specifically referenced the Road Traffic Regulation Act 1984 and the requirement of three or more street lights not more than 200yards apart in a 30mph speed limit. This requirement will be met. Each area will be assessed on a case-by-case basis for suitability for dimming; there are currently no plans for switching off lights. Further consultation will be undertaken when this is brought forward.
Natural Environment - specifically advocate the inclusion of additional text	<p>PROPOSED AMENDMENT TO STRATEGY PAGE 9</p> <p>the second bullet under the Do not section to read "Directly illuminate bat roosts or important areas for</p>

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<p>under the second point of the 'Do not' section to read; "Directly illuminate bat roosts or important areas for nesting birds and fragment important bat foraging corridors".</p> <p>Where possible, and as part of this lighting strategy, would also recommend the creation and maintenance of unlit foraging routes for bats and other nocturnal species throughout the City.</p>	<p>nesting birds and fragment important bat foraging corridors".</p> <p>With the LED lighting project, each road category within the city has been reassessed, to ensure that it will have the correct level of lighting provided in relation to the road speed and traffic flows, and that we are not over lighting. With the LED lighting and luminaire, we will have greater control to make sure the light being emitted only illuminates the road surface, and does not create light pollution or nuisance glare to adjoining properties. Through the CMS system we can trim and switch our street lighting to operate for the same length of time each night, across the city, and also vary our lighting levels (dimming) throughout the night, according to our traffic routes flows. All of this will support our wildlife throughout the city.</p>
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