

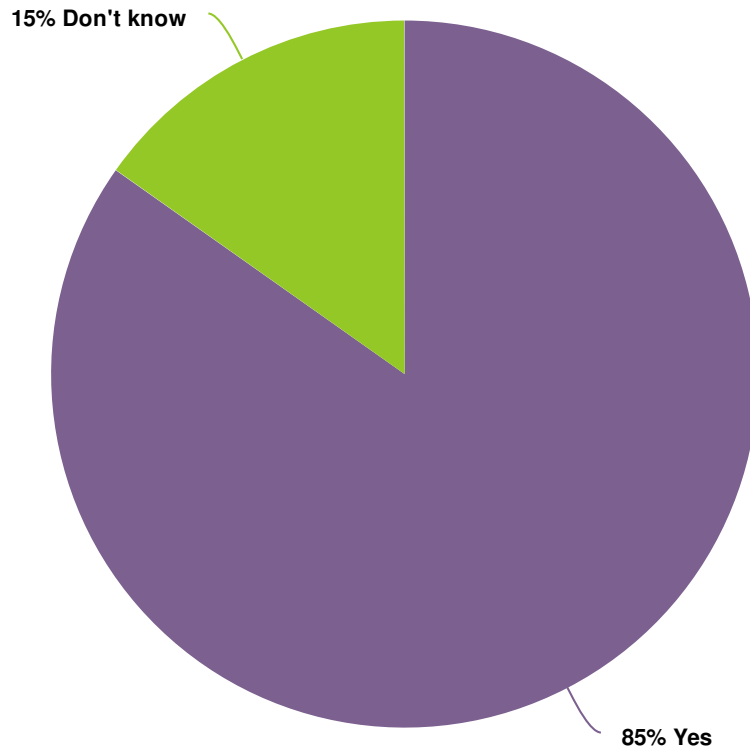
Report for PLG Survey #1

Response Counts



Totals: 33

1. Do you believe there is a need for a local government network with a focus on public lighting such as the Public Lighting Group?



| Value | Percent | Responses |
|------------|---------|-----------|
| Yes | 84.8% | 28 |
| Don't know | 15.2% | 5 |

Totals: 33

2. Optional: Please outline your thinking behind the response to the previous question?



| Count | Response |
|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | A group situated better to gain success over individuals. |
| 1 | Because of the need of standardized public lighting practices throughout the state. |
| 1 | Bulk buy opportunities. Driving development |
| 1 | Cost shared lighting must be a priority for local government going forward. As the convener of the Wimmera Mallee Public Lighting Group and a steering committee member of the Lighting the Regions project I believe working collaboratively is the only way to effect change in the public lighting area. |
| 1 | Council have individual problems regarding resourcing and network types |
| 1 | Council's bear a significant financial burden in relation to the operation of street lighting, and are constrained to improve the situation by a set of unfair rules and regulations. |
| 1 | Great South Coast Street Smart Lighting Working Group |
| 1 | Great South Coast already has the Street Smart Lighting Working Group |

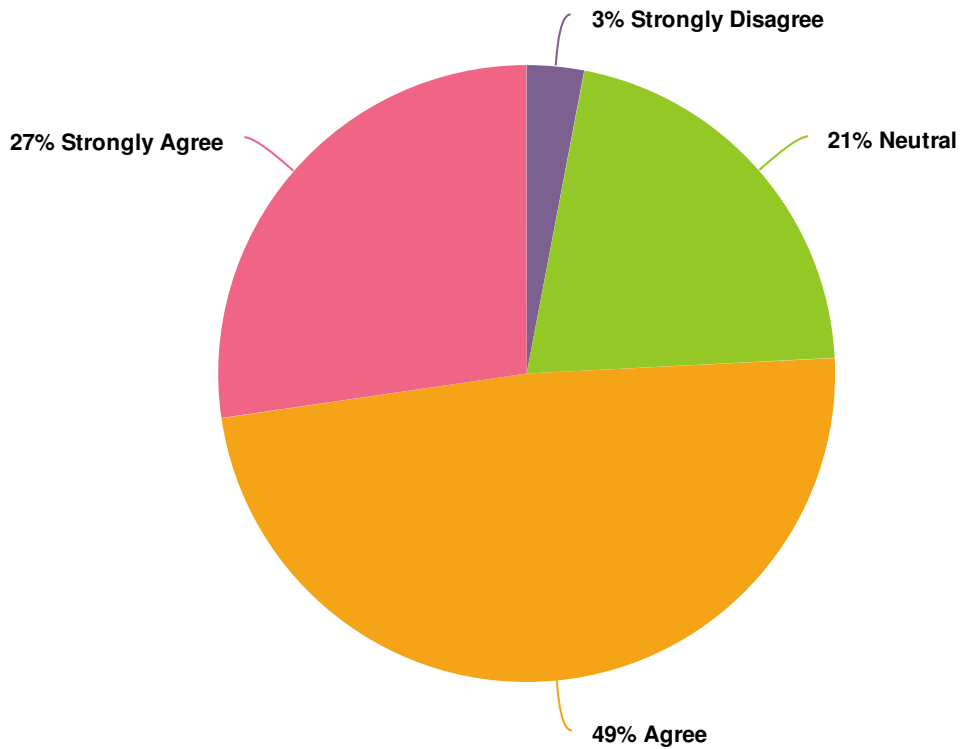
Count Response




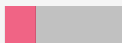
| | |
|---|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | Greater Shepparton are in the process of winding up the Watts Working Better project - partnership with 10 other regional Hume councils to replace over 13,000 streetlights. The partnerships made the project possible due to the complexities, economies of scale for purchasing (both lights and installation), dealing with the distribution companies (we had 2) and reporting. |
| 1 | It depends on exactly what they do, how much it costs and the extent to which they double up with the numerous QANGOS and peak bodies already at large in the sector. |
| 1 | It would assist council to reduce the cost and play advocacy role for LG |
| 1 | Local government officers face similar issues dealing with regional monopoly electricity suppliers, and can learn from each other to improve current practice. |
| 1 | Many councils lack expertise in regard to lighting; knowledge sharing; opportunities for joint projects |
| 1 | Providing consistency across the Council's regarding the requirements of energy efficient lighting and provide a strong voice for funding advocacy for the projects regarding updating lighting. |
| 1 | Public lighting as a whole is being disrupted by new technologies - it needs strong advocacy to help change the policy and institutional settings to ensure they keep up with rapid change in lighting technology and electricity grid management. |
| 1 | Public lighting is a core service delivered by LG and hence there is a need to ensure that we maximise resource and financial efficiencies as well as promote with best practice. |
| 1 | There are some major issues such as contested maintenance as well as new technology where it would make sense to share knowledge and learnings in a broader group. |
| 1 | Through our involvement in a regional lighting project, it has highlighted the benefits of working together to improve lighting. In regional councils it has also shown how isolated officers can be working on lighting projects and their accessibility to information and products. |
| 1 | We have changed over our lights in the region and don't get many requests for lighting upgrade |
| 1 | We need to build up some expertise in this area and the capacity to act proactively |

Count Response

1 Would be beneficial for professional lighting personal to attend regular workshops that focus on their areas of expertise.

3. Based on what you know of the Public Lighting Group and what you think is useful for a local government network focussed on public lighting, what do you think of the following VISION statement?
 Connecting Councils to deliver smart public lighting



| Value | | Percent | Responses |
|-------------------|-------------------------------------------------------------------------------------|---------|-----------|
| Strongly Disagree |  | 3.0% | 1 |
| Neutral |  | 21.2% | 7 |
| Agree |  | 48.5% | 16 |
| Strongly Agree |  | 27.3% | 9 |

Totals: 33

4. Optional: Please outline your thinking behind the response to the previous question?

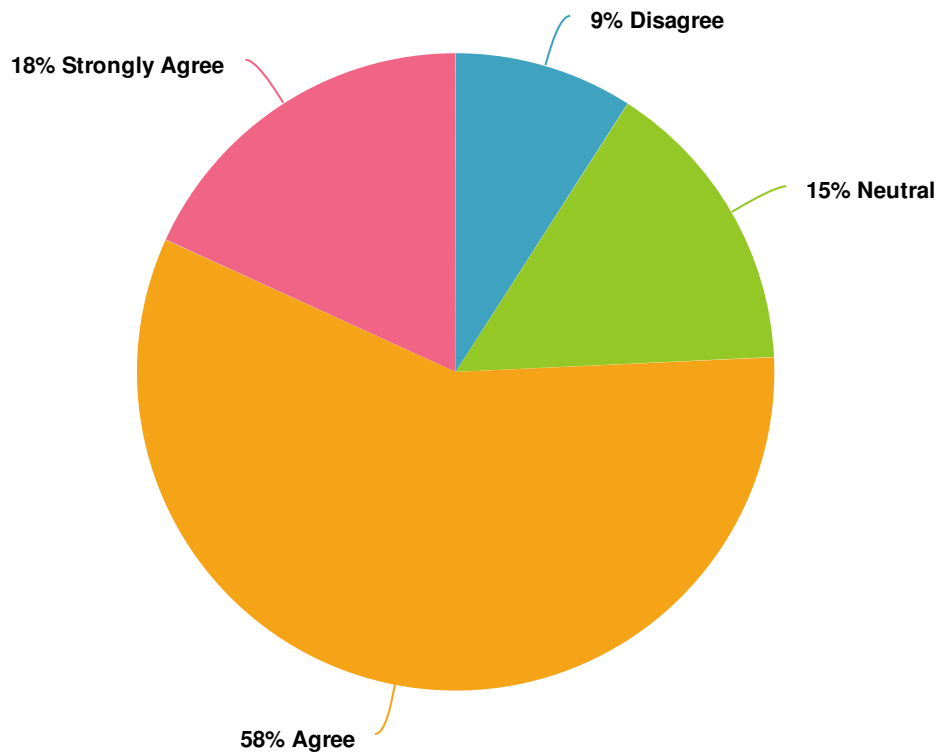


| Count | Response |
|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | "smart" might give the impression that the focus is only "smart-technologies". Other words - efficient, effective, ...? |
| 1 | Adding networked computer sensor and control systems to public lighting systems offers many possibilities (Such as data logging, real time asset utilisation and performance monitoring) , also challenges (such as finding ways to better harmonise the 2- 5 year technology development cycles with the 20 - 50 asset life cycle - managing network security risks associated with IOT devices). As local government asset managers we need to get a better understand this so we can make more informed purchasing decisions. |
| 1 | Clear and concise about what the group is about. |
| 1 | Clear and concise. |
| 1 | Cost savings opportunities |
| 1 | Haven't heard about the Public Lighting Group before today. |

Count Response

| | |
|---|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | I am not sure about how you define smart public lighting - and while wifi connected smart lighting is one of the issues we want to explore, it is not the only one. |
| 1 | I think it's a bit ambiguous, it is more about advocacy as well, and Council's working in partnership to get a better deal for smarter more efficient approaches to operation and maintenance of public lighting. |
| 1 | I would prefer a network with a stronger focus on advocacy. |
| 1 | It shall provide a strong platform for delivery of smart lighting throughout the Councils and form a strong voice for funding etc. |
| 1 | Many councils do not have the resources to act alone, public lighting can appear to be a complex issue. Investment in the best technology can also be a challenge. |
| 1 | Our lighting changeover would not have been achieved without working together |
| 1 | Strength in numbers |
| 1 | There is a need to focus on Smart lighting within each council & to future proof current lighting infrastructure. |
| 1 | What is smart public lighting? Is it cheaper or more effective? Does it actually assist us to pursue good asset management practices at a reasonable price tag? |
| 1 | simple and concise |

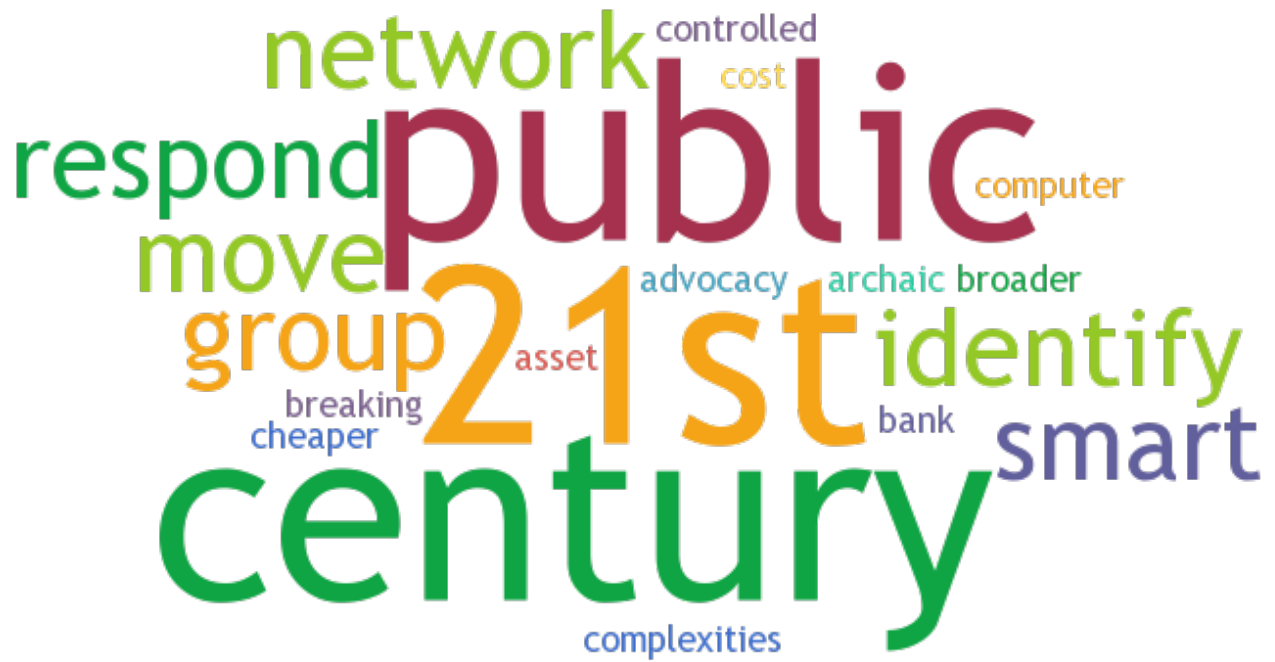
5. Similarly, based on what you know of the Public Lighting Group and what you think is useful for a local government network focussed on public lighting, what do you think of the following MISSION statement? Our mission is to move public lighting into the 21st century by enabling member Councils to better identify opportunities and respond to challenges.



| Value | | Percent | Responses |
|----------------|--|---------|-----------|
| Disagree | | 9.1% | 3 |
| Neutral | | 15.2% | 5 |
| Agree | | 57.6% | 19 |
| Strongly Agree | | 18.2% | 6 |

Totals: 33

6. Optional: Please outline your thinking behind the response to the previous question?



Count Response

| | |
|---|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | "Mov[ing] public lighting into the 21st Century" is nebulous. What does that mean? Really we just want cheaper, more efficient, more robust lighting. If we can manage to improve asset management at the same time without breaking the bank - great. |
| 1 | "Moving lighting into the 21st century" doesn't say anything meaningful. Perhaps something that explicitly says what "Smart Lighting" is (I understand it to mean computer networked lighting, that can be remotely controlled or programmed, and possibly also a site for environmental monitoring sensors) |
| 1 | "move public lighting into the 21st century" sounds like we consider the industry to be archaic (we might do, but it should be so obvious in the mission statement!). " identify opportunities and respond to challenges" - wouldn't we rather "meet" our challenges and "realise" opportunities? |
| 1 | Better as it is broader than smart lighting. |
| 1 | Haven't heard about the Public Lighting Group before today. |
| 1 | Huge changes ahead...best to be prepared |
| 1 | Our mission is to move public lighting, enabling member Councils to better identify opportunities and respond to challenges. |
| 1 | Seems to reference the past too much - we are already in the 21st century! Would prefer a network with a stronger focus on advocacy |
| 1 | Sensible and sound mission statement |
| 1 | The group provides the format to work together on the complexities of the network and with stakeholders (for example VicRoads) and funding opportunities. |
| 1 | cost savings opportunities |

7. Do you think the following are good things to do?

| | Strongly Disagree | Disagree | Neutral | Agree | Strongly Agree | Responses |
|----------------------------------------------------------------------------------------------------------------------|-------------------|-----------|-----------|-------------|----------------|-----------|
| Harvest the potential benefits of smart lighting technologies for local government and communities Count Row % | 0 0.0% | 0 0.0% | 2 6.3% | 18 56.3% | 12 37.5% | 32 |
| Raise awareness of key public lighting issues within Council and across local government Count Row % | 0 0.0% | 0 0.0% | 2 6.3% | 16 50.0% | 14 43.8% | 32 |
| Attract external funding to implement projects Count Row % | 0 0.0% | 0 0.0% | 0 0.0% | 10 31.3% | 22 68.8% | 32 |
| Ensure more customer responsive relations with electricity Distributors Count Row % | 0 0.0% | 0 0.0% | 3 9.4% | 11 34.4% | 18 56.3% | 32 |

| | Strongly Disagree | Disagree | Neutral | Agree | Strongly Agree | Responses |
|-------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-----------|-----------|-------------|----------------|-----------|
| Improve the ability of the Australian Energy Regulator to hear and respond to the needs of local government authorities Count Row % | 0 0.0% | 0 0.0% | 0 0.0% | 11 34.4% | 21 65.6% | 32 |
| Form effective alliances with other organisations eg MAV, SECCCA, EAGA, NAGA, Vic Roads, etc Count Row % | 0 0.0% | 0 0.0% | 3 9.7% | 13 41.9% | 15 48.4% | 31 |
| Deliver Best Value and Triple Bottom Line outcomes on behalf of our communities Count Row % | 0 0.0% | 0 0.0% | 3 9.7% | 14 45.2% | 14 45.2% | 31 |
| Totals Total Responses | | | | | | 33 |

8. Would you find the following useful outcomes for your council?

| | Strongly Disagree | Disagree | Neutral | Agree | Strongly Agree | Responses |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-----------|------------|-------------|----------------|-----------|
| Addressing the opportunities and challenges presented by smart light technologies in the context of delivering local government services and progressing towards Smart Cities | 0 0.0% | 0 0.0% | 5 15.6% | 18 56.3% | 9 28.1% | 32 |
| Count Row % | | | | | | |
| Delivering strategic projects through collaboration across Member Councils thereby increasing productivity, improving outcomes, and reducing project costs and ultimately operating expenditures | 0 0.0% | 0 0.0% | 2 6.3% | 14 43.8% | 16 50.0% | 32 |
| Count Row % | | | | | | |

| | Strongly Disagree | Disagree | Neutral | Agree | Strongly Agree | Responses |
|-------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-----------|------------|-------------|----------------|-----------|
| Offering professional development opportunities to Council Officers through Forums, Special Interest Groups(SIGs) and participation in Projects | 0 0.0% | 1 3.2% | 8 25.8% | 14 45.2% | 8 25.8% | 31 |
| Count | | | | | | |
| Row % | | | | | | |
| Totals | | | | | | |
| Total Responses | | | | | | 33 |

9. We encourage and support active participation in the Public Lighting Group. How useful would you find each of the following?

| | Strongly Disagree | Disagree | Neutral | Agree | Strongly Agree | Responses |
|--------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-----------|------------|-------------|----------------|-----------|
| Using web conferencing tools to conduct meetings Count Row % | 0 0.0% | 3 9.4% | 7 21.9% | 14 43.8% | 8 25.0% | 32 |
| Identifying new ways to collaborate and share information Count Row % | 0 0.0% | 0 0.0% | 6 18.8% | 19 59.4% | 7 21.9% | 32 |
| Offering projects that enable collaboration, achieve economies of scale, and increase capability and capacity across Member Councils Count Row % | 0 0.0% | 0 0.0% | 0 0.0% | 18 56.3% | 14 43.8% | 32 |
| Convening PLG Forums, Significant Interest Groups and Webinars on a regular basis Count Row % | 0 0.0% | 2 6.5% | 9 29.0% | 14 45.2% | 6 19.4% | 31 |

| | Strongly Disagree | Disagree | Neutral | Agree | Strongly Agree | Responses |
|--------------------------------------------------------------------------------------|-------------------|-----------|------------|-------------|----------------|-----------|
| Convening at least one, face-to-face event per year, preferably in the Melbourne CBD | 0 0.0% | 1 3.1% | 7 21.9% | 13 40.6% | 11 34.4% | 32 |
| Count | | | | | | |
| Row % | | | | | | |
| Totals | | | | | | |
| Total Responses | | | | | | 33 |

10. Success for the Public Lighting Group would look like:

| | Strongly Disagree | Disagree | Neutral | Agree | Strongly Agree | Responses |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-----------|------------|-------------|----------------|-----------|
| Adoption of smart light capabilities firstly, within local government service delivery and secondly, across municipalities as part of a transition to Smart City urbanisation Count Row % | 0 0.0% | 0 0.0% | 6 18.8% | 20 62.5% | 6 18.8% | 32 |
| Lower Distributor charges Count Row % | 0 0.0% | 0 0.0% | 1 3.1% | 17 53.1% | 14 43.8% | 32 |
| Faster Distributor customer service response times, timely feedback, and improved systems Count Row % | 0 0.0% | 0 0.0% | 3 9.4% | 17 53.1% | 12 37.5% | 32 |
| Improved distributor asset management tools Count Row % | 0 0.0% | 0 0.0% | 6 19.4% | 15 48.4% | 10 32.3% | 31 |

| | Strongly Disagree | Disagree | Neutral | Agree | Strongly Agree | Responses |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-----------|------------|-------------|----------------|-----------|
| Rapid approval times and unified standardisation of new lights across Distributors Count Row % | 0 0.0% | 0 0.0% | 1 3.1% | 16 50.0% | 15 46.9% | 32 |
| Earlier adoption of world's best practice in public lighting Count Row % | 0 0.0% | 0 0.0% | 2 6.3% | 15 46.9% | 15 46.9% | 32 |
| Many Local Government Authorities are fully paid up members of the PLG, value the regional alliance and actively participate in the group. Count Row % | 1 3.1% | 0 0.0% | 6 18.8% | 16 50.0% | 9 28.1% | 32 |
| Totals Total Responses | | | | | | 33 |

11. Please rate the importance of each of the following as future projects. In addition please indicate the preferred timing for the delivery of this project.

| | High (within 18 months) | Medium (within 3 years) | Low (within 10 years) | Not important | Responses |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|-------------------------------|--------------------------------|------------------|-----------|
| Advocate for a review of the Public Lighting Code Count Row % | 6 21.4% | 17 60.7% | 5 17.9% | 0 0.0% | 28 |
| In FY18/19, prepare for the next round of the Victorian Electricity Distribution Price Review - 2021 to 2025 Count Row % | 17 58.6% | 11 37.9% | 1 3.4% | 0 0.0% | 29 |
| Assess the business case for replacing HPS Main Road lighting with energy efficient, smart LED lighting Count Row % | 23 76.7% | 5 16.7% | 2 6.7% | 0 0.0% | 30 |
| Undertake a Smart Light Feasibility Study that will identify the role a public lighting network can play within the context of a smart city infrastructure and the delivery of more sustainable urban services. Count Row % | 8 28.6% | 15 53.6% | 5 17.9% | 0 0.0% | 28 |
| Totals Total Responses | | | | | 33 |

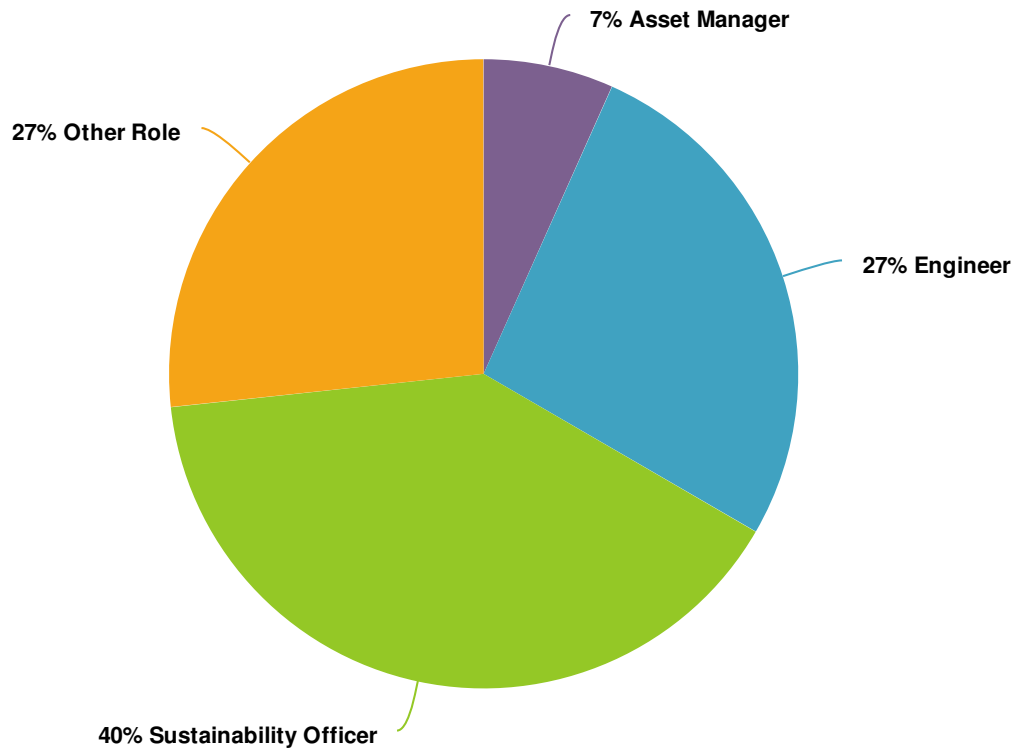
12. Are there other projects that you would like to suggest for the Public Lighting Group? In addition, please indicate priority and timing for the project.



Count Response

| | |
|---|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | A protocol for transitioning unmetered public lights within open space areas into public lighting on a metered supply. |
| 1 | Consider implications of future grid management changes - local grids, driverless cars etc and integration with street lighting. is there a case for changing or trialing changes to public lighting standards or other policy settings? |
| 1 | Develop a program that produces as an output, a template for Public Lighting Policy and Action Plan and a process for Councils to customise to their individual requirements. |
| 1 | Develop robust public lighting principles to be integrated into the infrastructure design manual, the IDM. |
| 1 | Development of strong partner projects to upgrade cost shared lighting. |
| 1 | Investigation of contested maintenance. |
| 1 | Look at security lighting as well as the main road change over. |
| 1 | Maybe solar park land lighting |
| 1 | Shared services between Vic Road and Council for the lighting assets belong to Vic Roads |
| 1 | The projects listed above are important and should be implemented. Part of the implementation or an 'add-on' to the projects needs to be their application/relevance/applicability to small rural areas. There may be an opportunity for a social study exploring the impacts of lighting or not lighting areas and their use (for example, turning off park lights between 11pm-5am). Medium priority. |

13. Please state your role within council.



| Value | | Percent | Responses |
|------------------------|--|---------|-----------|
| Asset Manager | | 6.7% | 2 |
| Engineer | | 26.7% | 8 |
| Sustainability Officer | | 40.0% | 12 |
| Other Role | | 26.7% | 8 |

Totals: 30

| Other Role | Count |
|-------------------------------------------|-------|
| Buildings, sustainability | 1 |
| Climate Change Coordinator | 1 |
| IT Manager | 1 |
| Public Lighting Officer | 1 |
| Public Lighting Technical Officer | 1 |
| Sustainability & Engineer | 1 |
| Sustainable Transport Officer | 1 |
| director responsible for all three above! | 1 |
| Totals | 8 |

14. Optional: Do you wish to add any further comments?



| Count | Response |
|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | Can you find any other words than "smart" lighting? |
| 1 | Glen Eira is a member since 2007. |
| 1 | I commend the group for taking on the challenge of improving public lighting services. |
| 1 | I'm wary of starting another peak body or QANGO. My impression is that this duplicates precious resources, especially in terms of organisation/secretariat/governance costs, when there is already a plethora of organisations who could auspice this work. Additionally - my impression is that the best work is done when resources are limited. Annual subscriptions opens the possibility for an organisation like this to simply live on an ongoing stipend from the sector. Why not roll it in with the Alliances - they are aiming to start a peak body for their work. Or MAV or VLGA or LG-Pro |
| 1 | No |
| 1 | Would be great if the PLG gets supported and properly resourced by Victorian councils. It is sorely needed. |