



# **PLG** Public Lighting **Group**

Public Forum

9<sup>th</sup> November 2016 @9:30am

Host: Faye Adams – Manningham City Council



Guest Speaker: Alexi Lynch – Ironbark Sustainability



# Agenda

1. Welcome and introductions
2. Survey #1 - findings
3. Successful Grant Application – Smart Light Feasibility Study
4. *Topic and Guest Speaker*
  - LED retrofits for HPS Main road lights
  - Alexi Lynch from Ironbark Sustainability
5. What next for the PLG's *Future Directions Project* ?
  - *Survey #2 – to be released late November 2016*
  - *February 2017 - Next Webinar*
  - *February 2017 - Chief Executive Letter advocating for a Review of the Public Lighting Code*
  - *February 2017 - Draft Report – PLG Future Directions*
6. Other Business ?
7. CLOSE



# SURVEY #1 FINDINGS

## 1. To PLG or not?

- 82 % of respondents believe there is a need for a local government network with a focus on public lighting such as the Public Lighting Group

## 2. Advocacy

- 93% of respondents believe it would be good to raise awareness of key public lighting issues within Council and local government and
- 100% of respondents believe a successful PLG will improve the ability of the Australian Energy Regulator to hear and respond to the needs of local government

## 3. Collaboration on strategic projects?

- 93% of respondents believe the PLG could deliver strategic projects through collaboration across Member Councils thereby increasing productivity, improving outcomes, reducing project costs and ultimately reducing operating expenditures

## 4. Attracting Project Funding

- 100% of respondents believe that the PLG could play a useful role in attracting funding to implement projects



# SURVEY #1 – Projects?

Projects	High (within 18 months)	Medium (within 3 years)	Total %
Advocate for a review of the Public Lighting Code	6 22.2%	16 59.3%	<b>82%</b> - Feb 2017 ? - PLG to advocate for review with letters signed by CEOs of LGAs
In FY18/19, prepare for the next round of the Victorian Electricity Distribution Price Review - 2021 to 2025	16 57.1%	11 39.3%	<b>96%</b> - Future Directions Plan
Assess the business case for replacing HPS Main Road lighting with energy efficient, smart LED lighting	22 75.9%	5 17.2%	<b>93%</b> - Greenhouse Alliances to develop a plan
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.	7 25.9%	15 55.6%	<b>82%</b> - now a PLG project with grant funding from DELWP

# Smart Light Feasibility Study

The PLG Member Councils who will be participating in the project are :

1. Manningham City Council (Lead Council)
2. City of Greater Geelong
3. Glen Eira City Council
4. Monash City Council
5. Mornington Peninsula Shire
6. Whittlesea City Council
7. Wangaratta City Council
8. Wodonga City Council

# Smart Light Feasibility Study

The Smart Light Feasibility Study will investigate the role smart lighting can play in creating smart city infrastructure that ultimately will enable improved waste management and support the transition to a low carbon economy.

Many local government authorities are currently replacing existing street lights with internet compatible LED lights. However there is a gap in local government knowledge of how to proceed from this point towards a smart city infrastructure. The project will identify the key opportunities and challenges in transitioning to a smart light network especially in relation to governance, ownership, technology, funding, urban service delivery and sustainability.

In addition, the potential environmental benefits of smart city infrastructure are not well understood or quantified.

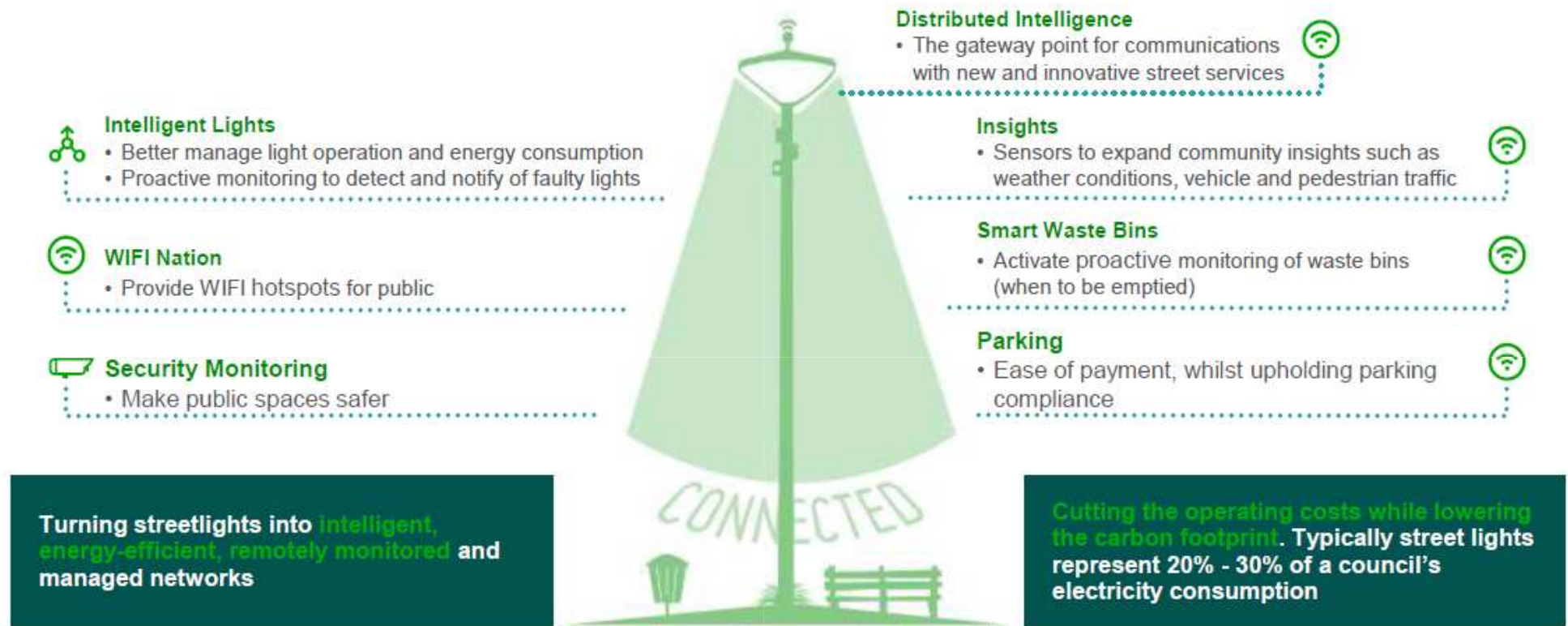
The study will map the expected environmental benefits associated with the delivery of 'smart' urban services in such areas as waste management, stormwater management, mobility, traffic control, parking, energy monitoring, electricity peak demand response, lighting and mitigation of urban heat island effects.





## Transforming the power pole

### Principle concepts of connected city technology





## What is a connected community?

Collection and consolidation of data across boundaries:

Government

Businesses

Individuals

Road Networks

Safety / Surveillance

Health and Wellness

Waste Collection

Asset Location

Shopping Experience





Guest Speaker

Alexi Lynch – Ironbark Sustainability

*LED retrofits for  
HPS Main road lights*

# Agenda cont'd

## 5. What next for the PLG's *Future Directions Project* ?

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