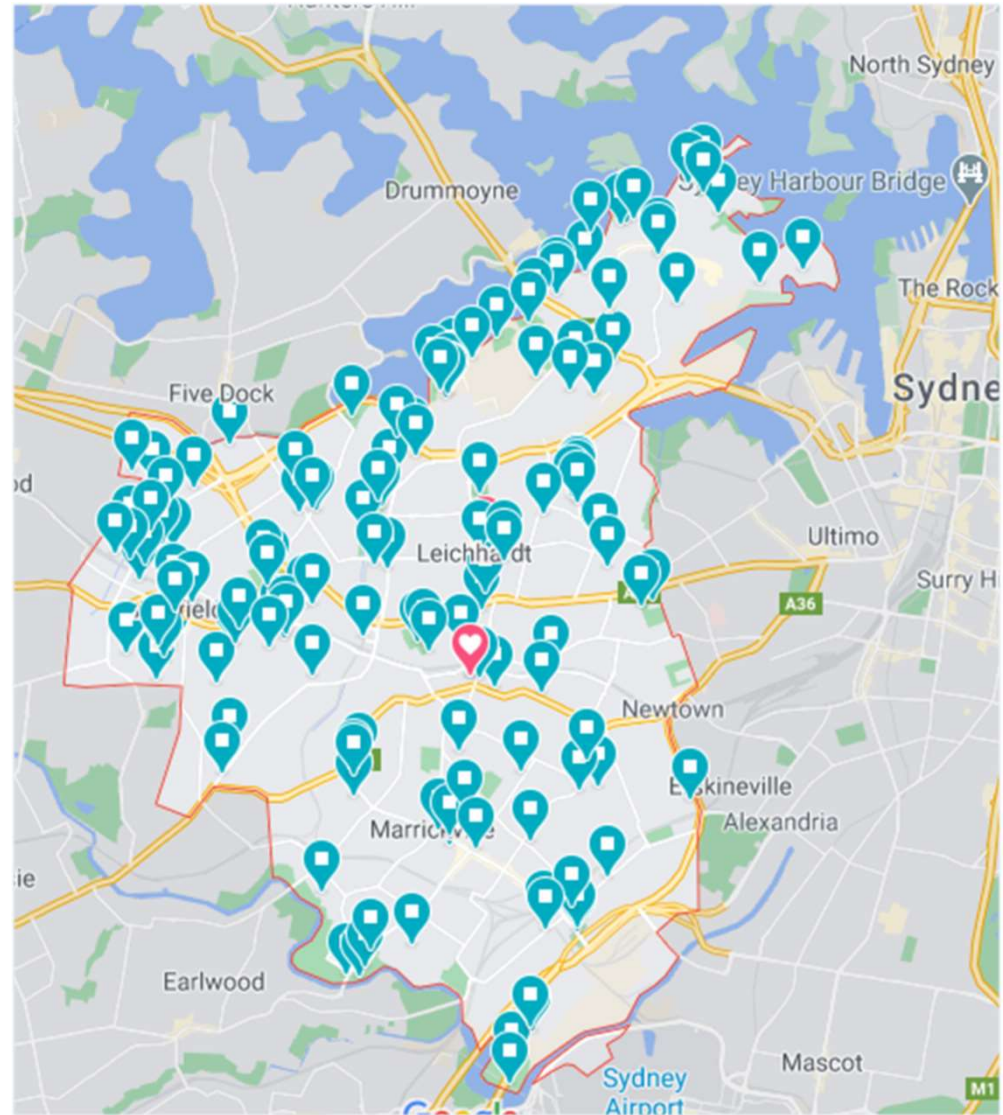


Sustainable Procurement:

Carbon Neutral Council

INNER WEST



Acknowledgement of Country





INNER WEST

Topics

- Why carbon neutral?
- What is carbon neutral?
- How to work towards carbon neutral?
- How does procurement fit in?
- How has Inner West changed procurement?



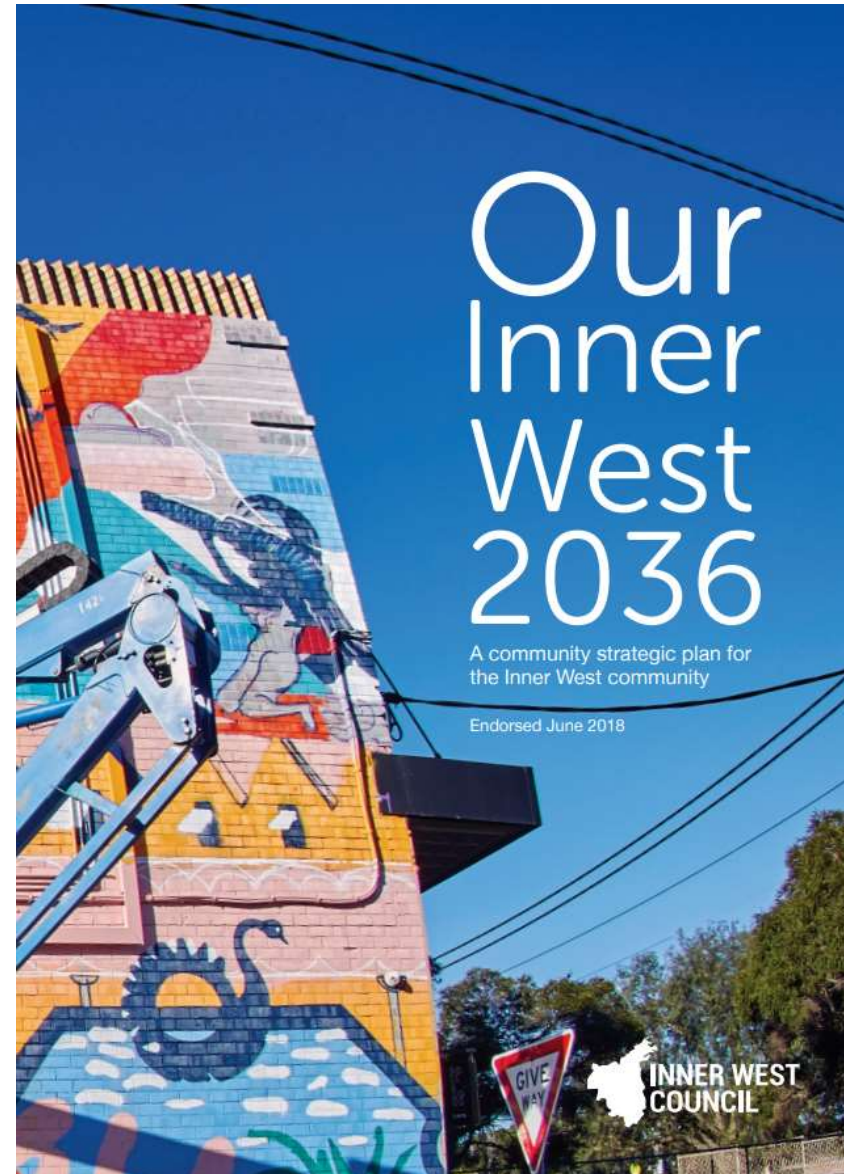
Why carbon neutral?



Why carbon neutral?

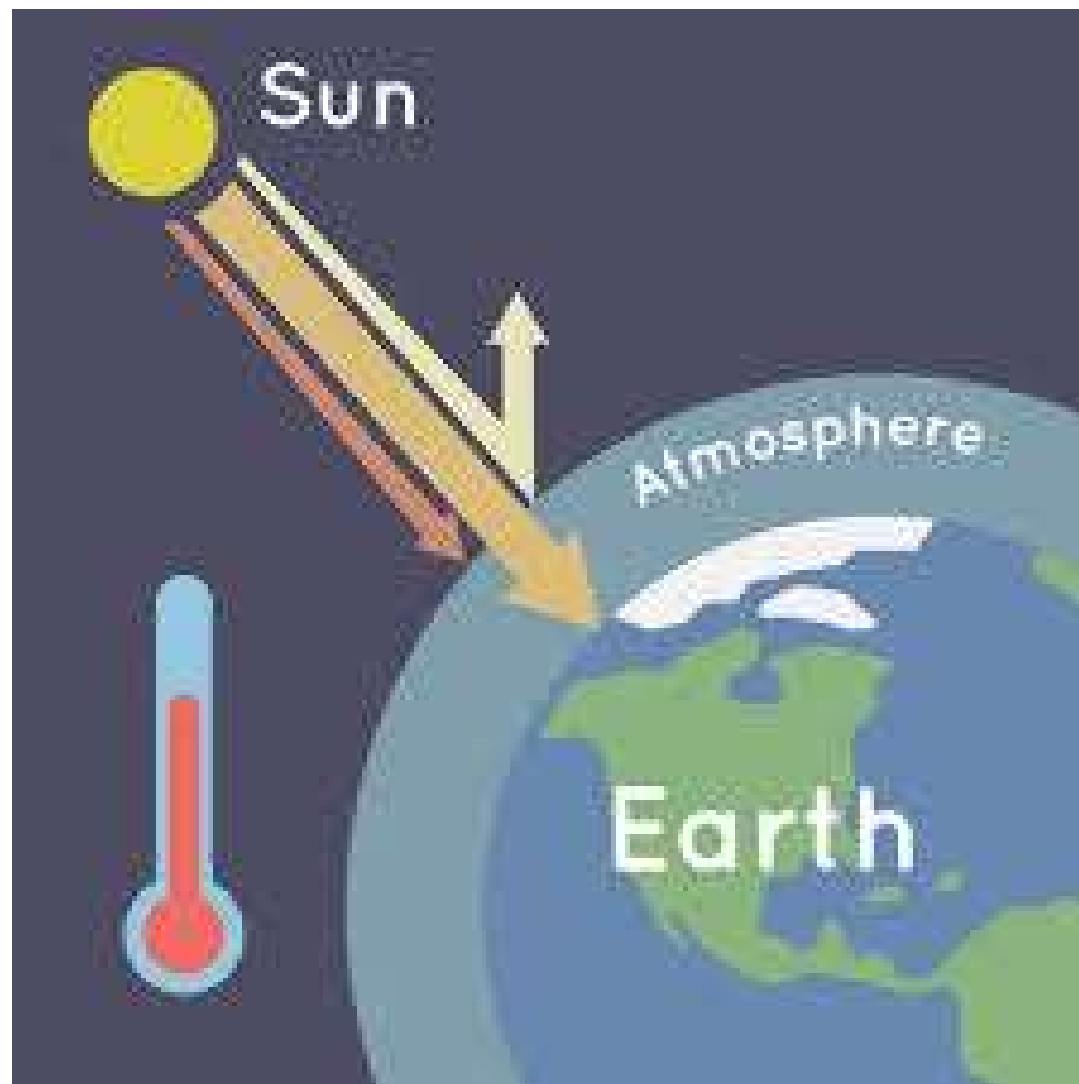
- Community demand
- Councillor resolution
- Risk management

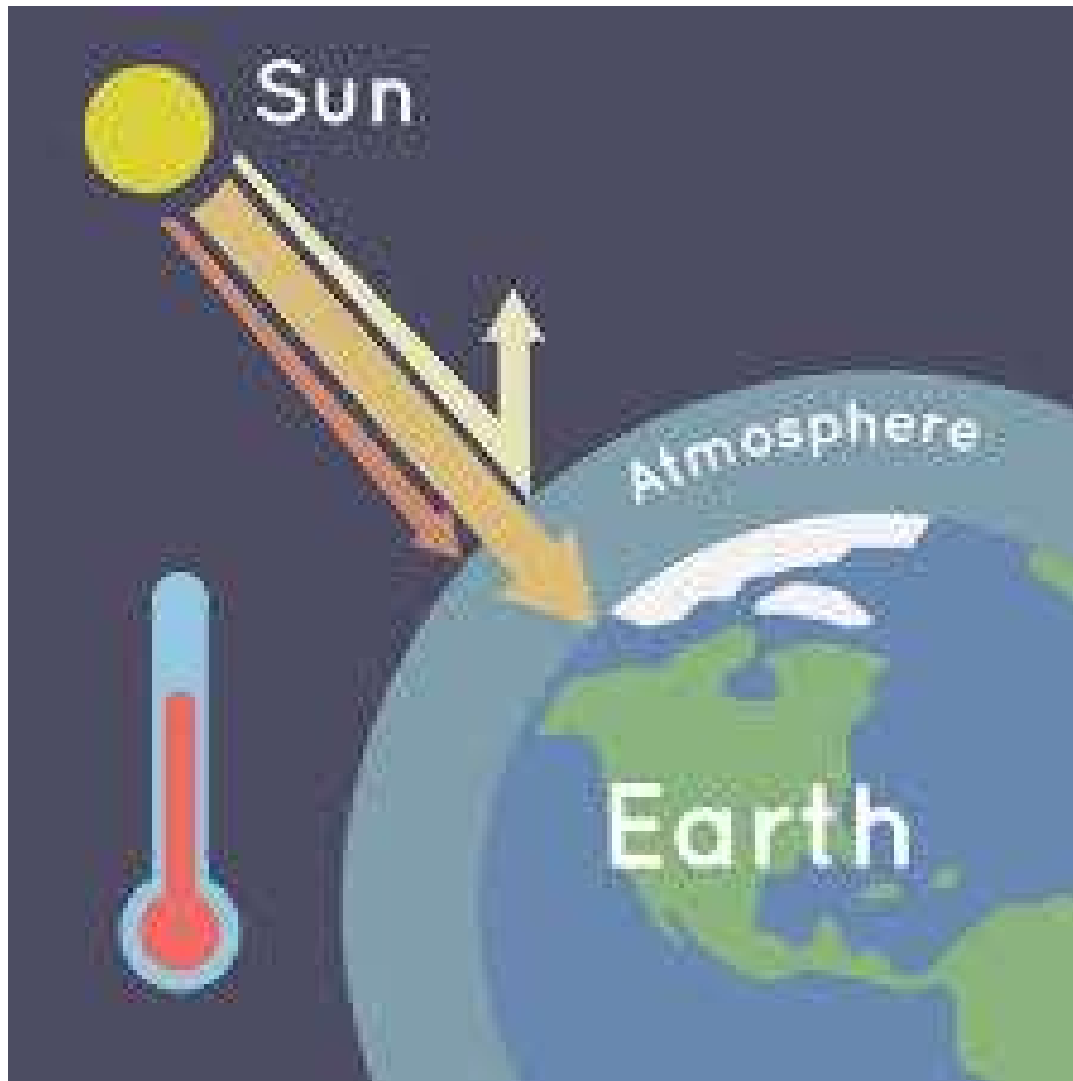
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What is carbon neutral?







Greenhouse gases (aka “carbon”)

- Carbon dioxide
- Methane
- Nitrous oxide
- Hydrofluorocarbons
- Perfluorocarbons
- Sulfur hexafluoride

Net emissions of
greenhouse gases = zero



How to reach carbon
neutral, and how does
procurement fit in?



Climate+ Renewables Strategy

Responding to the Climate
Emergency – Climate
Change Mitigation

December 2019

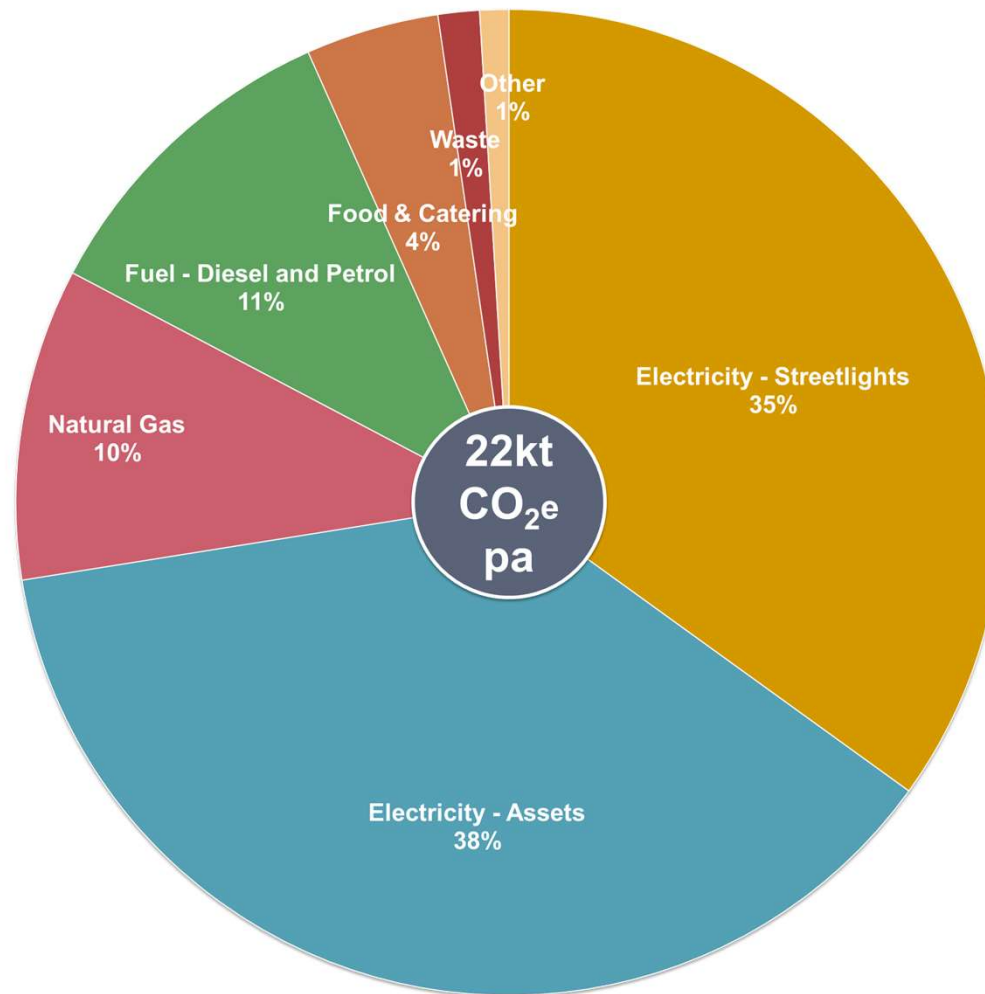
INNER WEST

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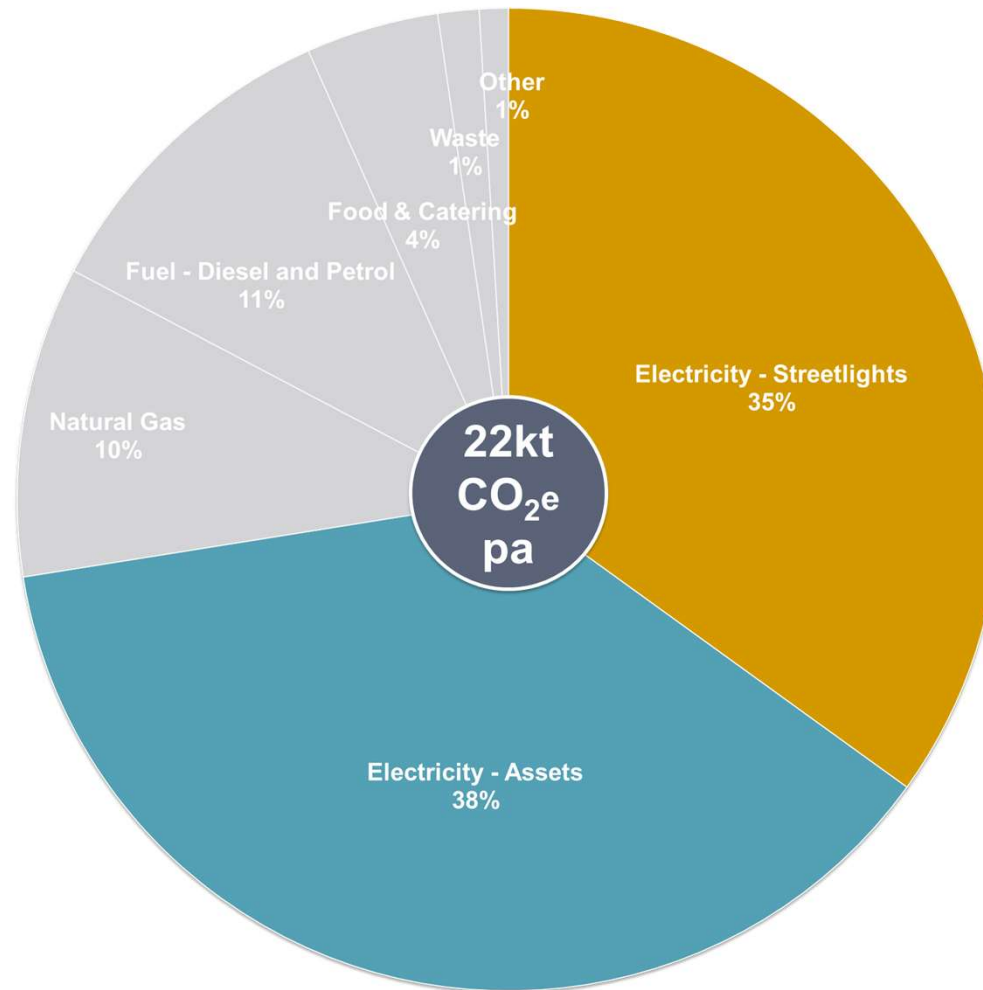
How to reach carbon neutral?

1. Calculate carbon emissions
2. Identify reduction actions
3. Implement actions
4. Offset remaining emissions

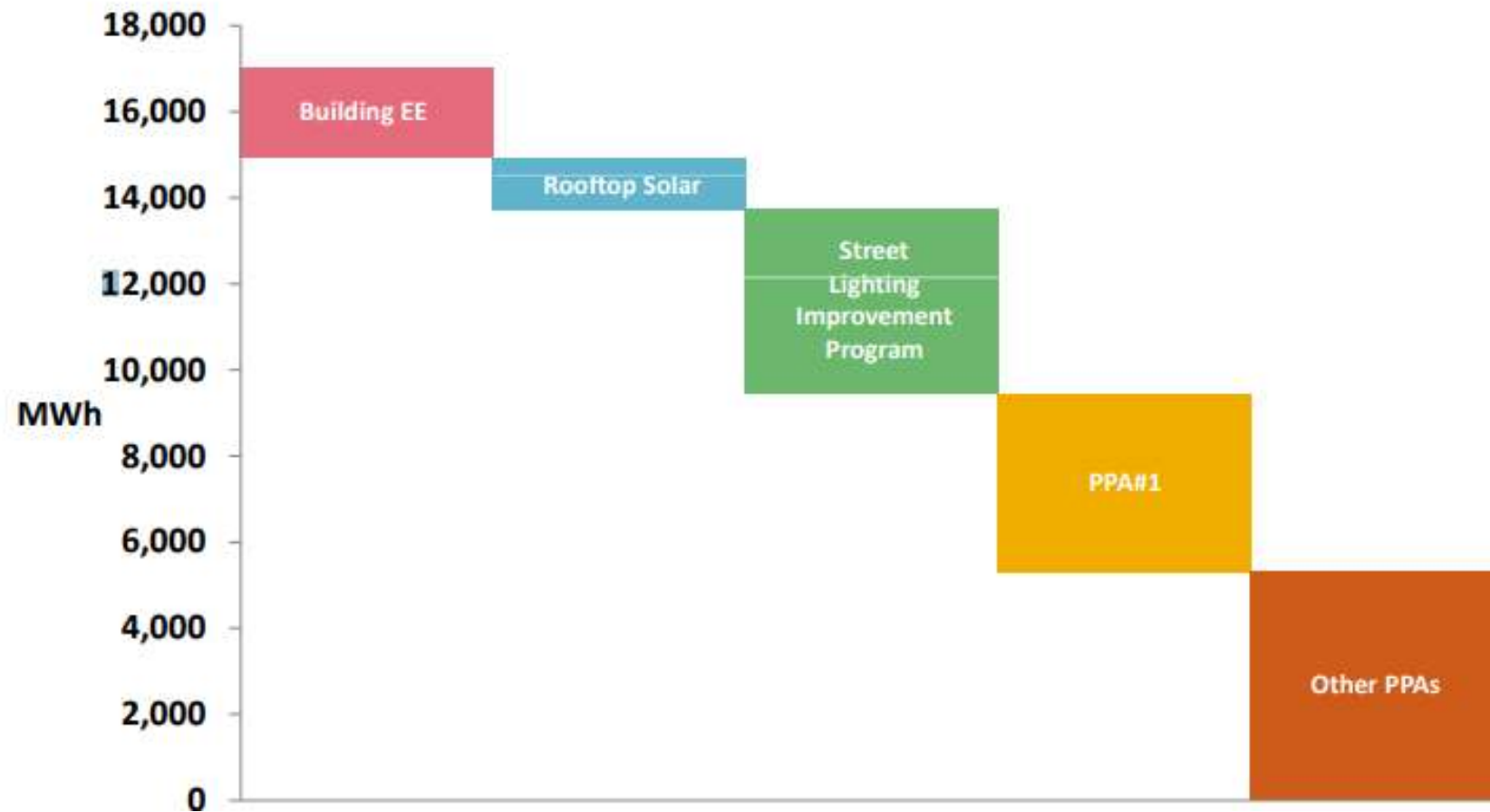
Council's carbon emissions



Council's carbon emissions from electricity



Council's steps to reduce carbon in electricity



Reduce electricity used in streetlights

- Street Light Improvement Program (SLIP)
- Replace old lights with LEDs
- Cost savings in operation and maintenance
- Influence Ausgrid
- Buying group via SSROC

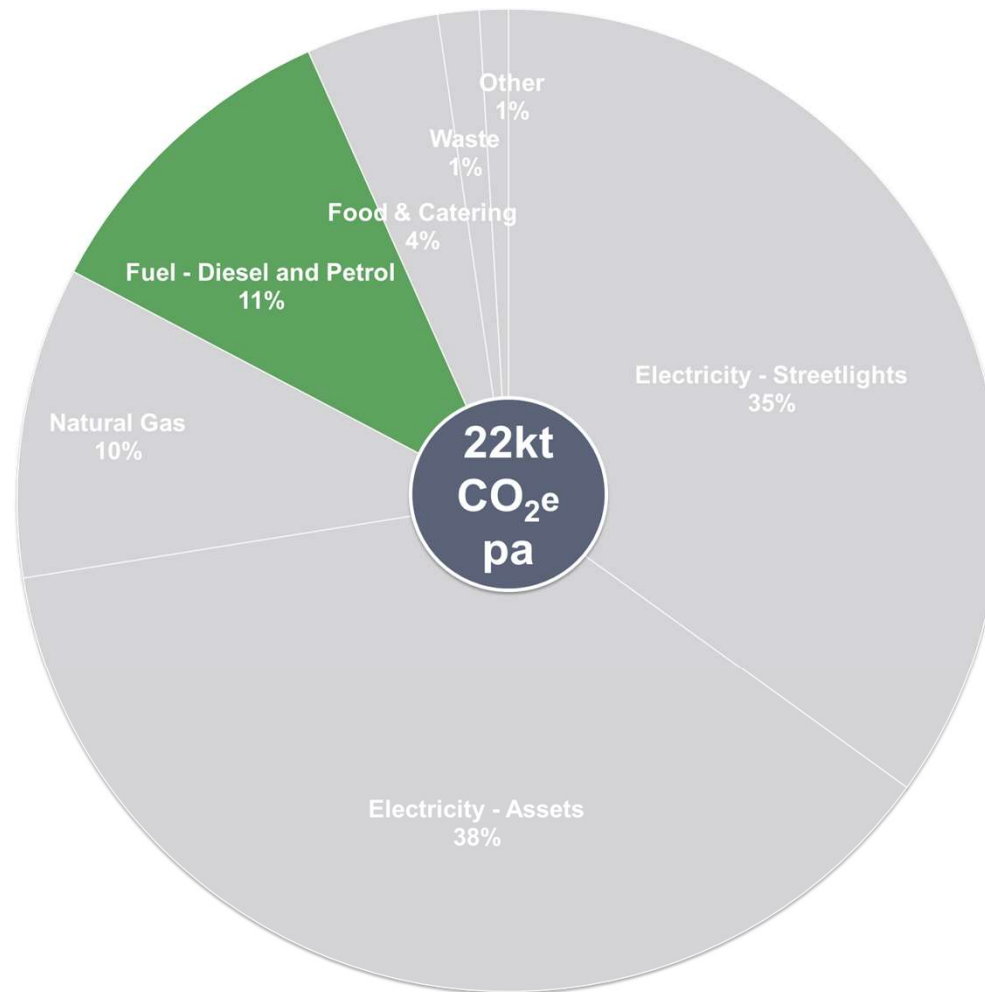


Procure renewable electricity

- Convert daytime power supply to solar
- Moree solar farm
- Power purchase agreement (PPA)
- Origin Energy
- Buying group
- first local government PPA in NSW
- 4 million kWh each year
- Tranche #2 in 2022



Council's carbon emissions from fleet



Procure low carbon fleet

- Diverse fleet:
 - Leaseback cars
 - Operational cars
 - Light trucks
 - Garbage trucks
- Options:
 - Electric
 - Hybrid (plug-in)
 - Hybrid (regen)
 - Active transport



Procure low carbon fleet

- Investigations by Fleet, Procurement, Sustainability
- Considerations:
- Capital and maintenance costs
- Carbon reduction (electricity source)
- Cost per unit carbon reduced
- Infrastructure needs
- Acceptance by staff



Procure low carbon fleet

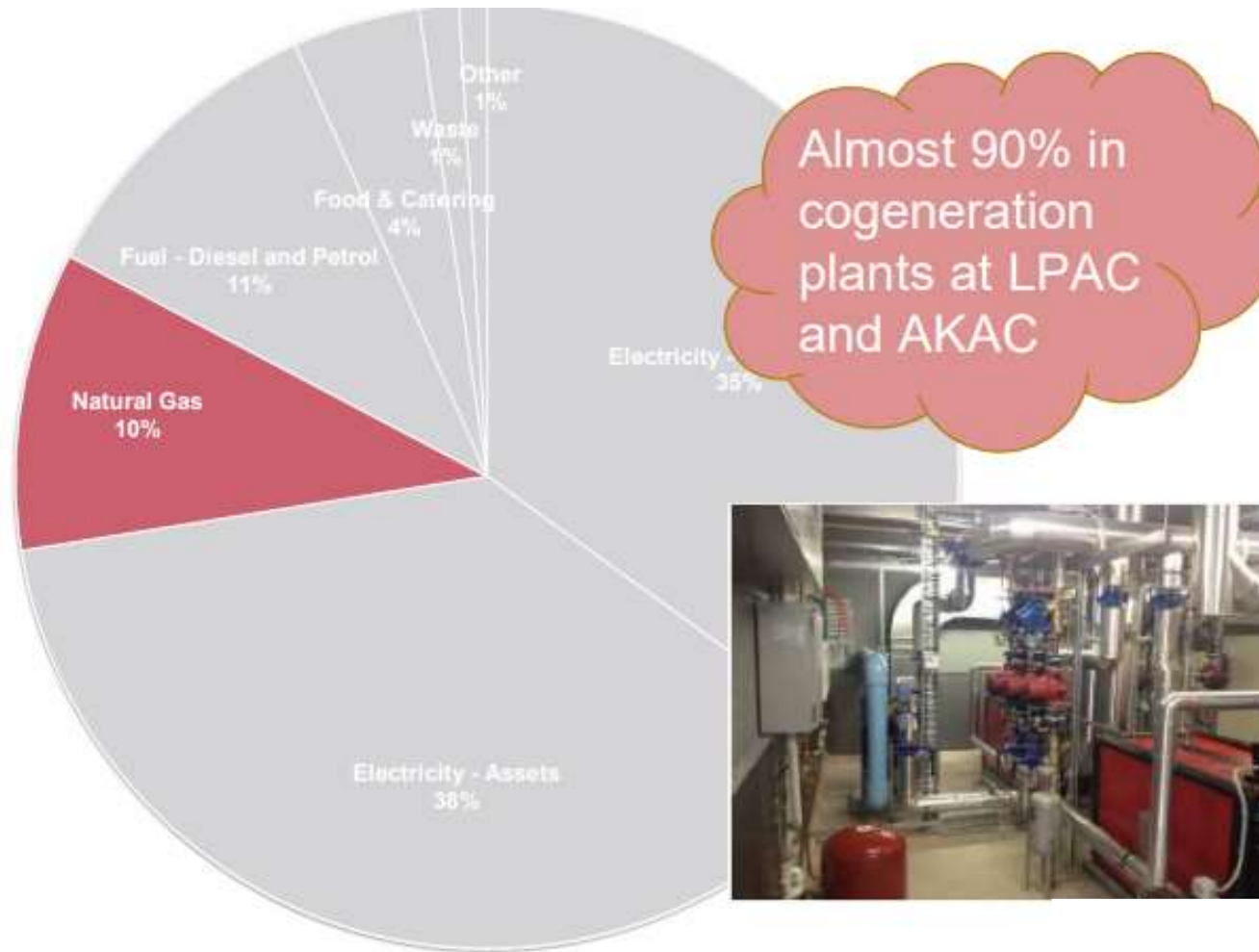
| Vehicle type | Short term | Medium term |
|--------------|------------------------------------|------------------------|
| Leasebacks | Hybrid (regen) | Electric |
| Operational | Bike fleet Considering electric | Bike fleet Electric |
| Medium | Currently considering | Electric |
| Heavy | Biodiesel | Electric? |

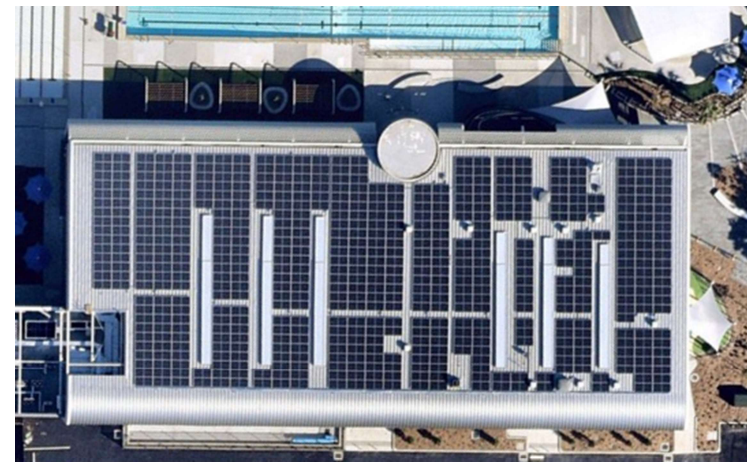
Procure low carbon fleet



INNER WEST

Natural Gas

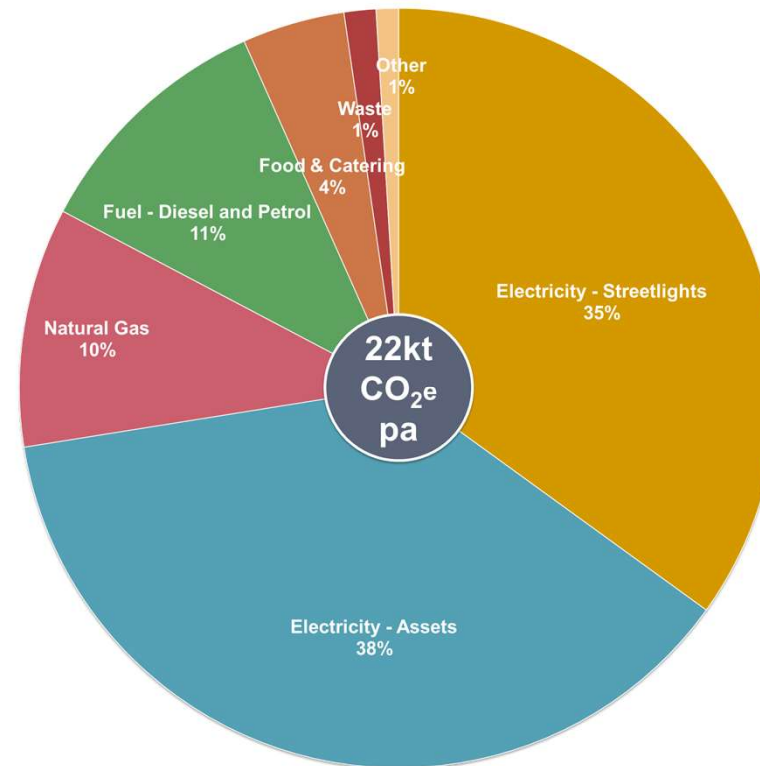




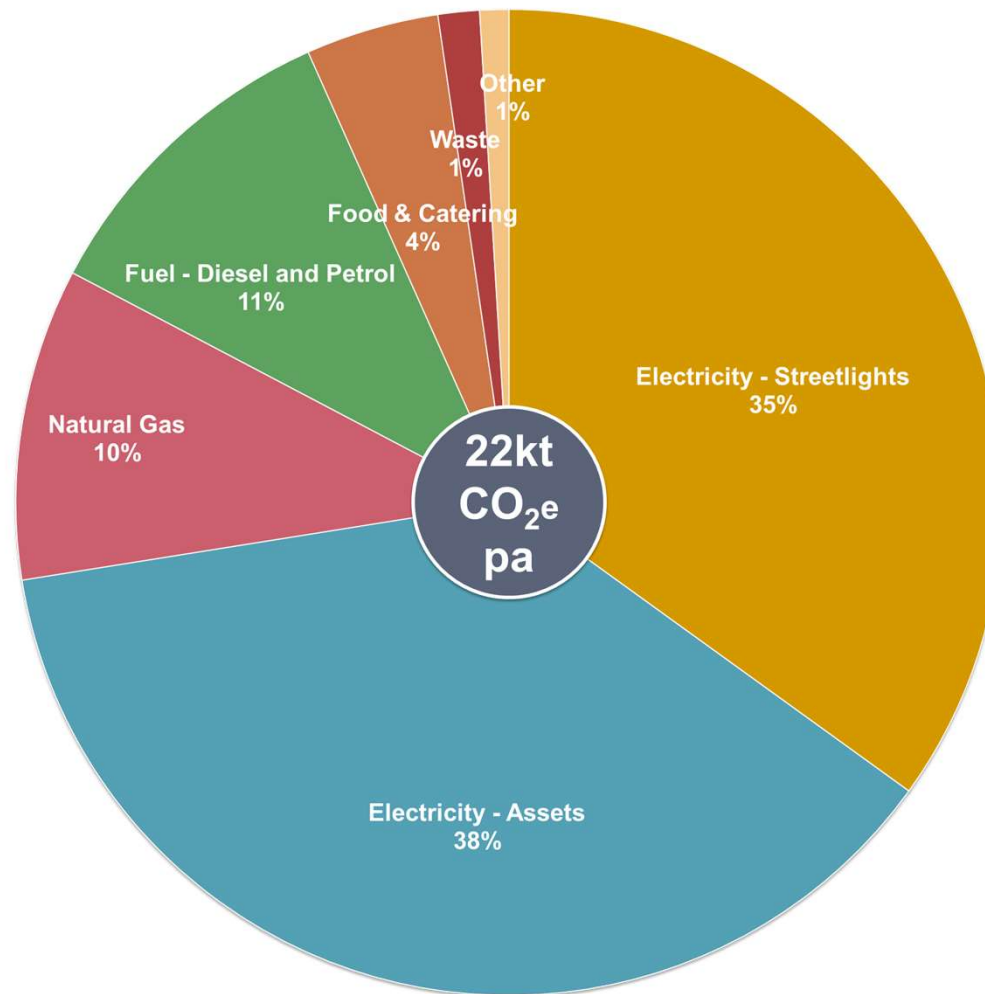
INNER WEST

Learnings for utilities

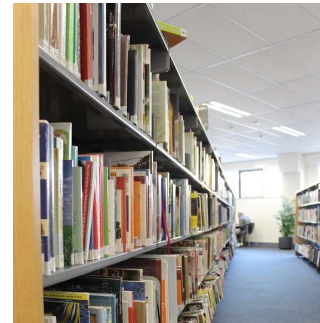
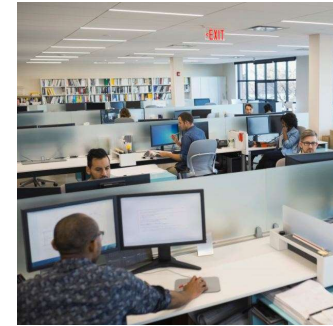
- Bulk of carbon emissions can be reduced through changes in procurement
- Change in product rather than process
- Projects managed by small cross-department teams
- Carbon savings are often also cost savings



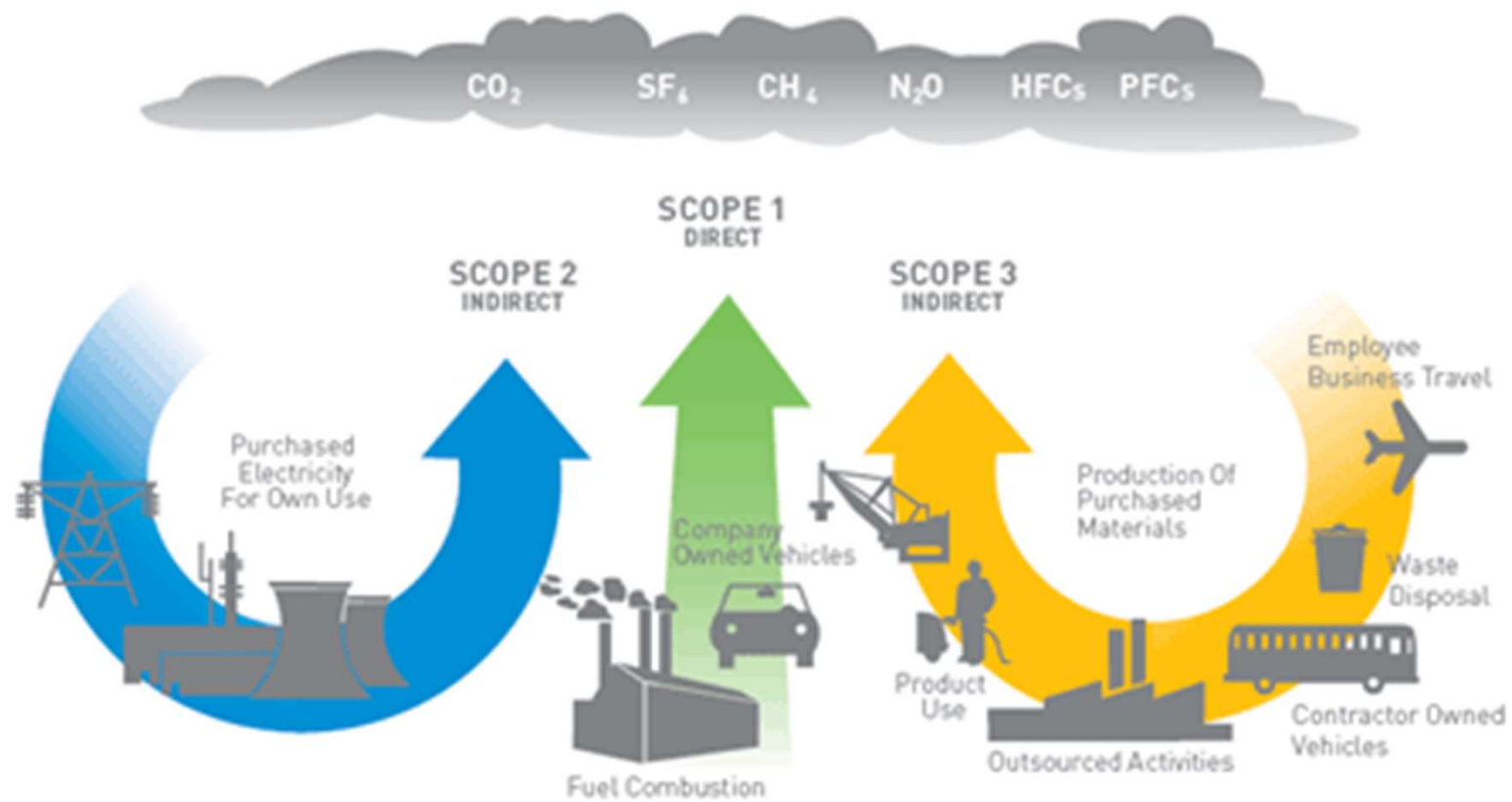
What about the other stuff?



Diverse activities and purchases



INNER WEST



INNER WEST



ISO 20400 Sustainable Procurement Training



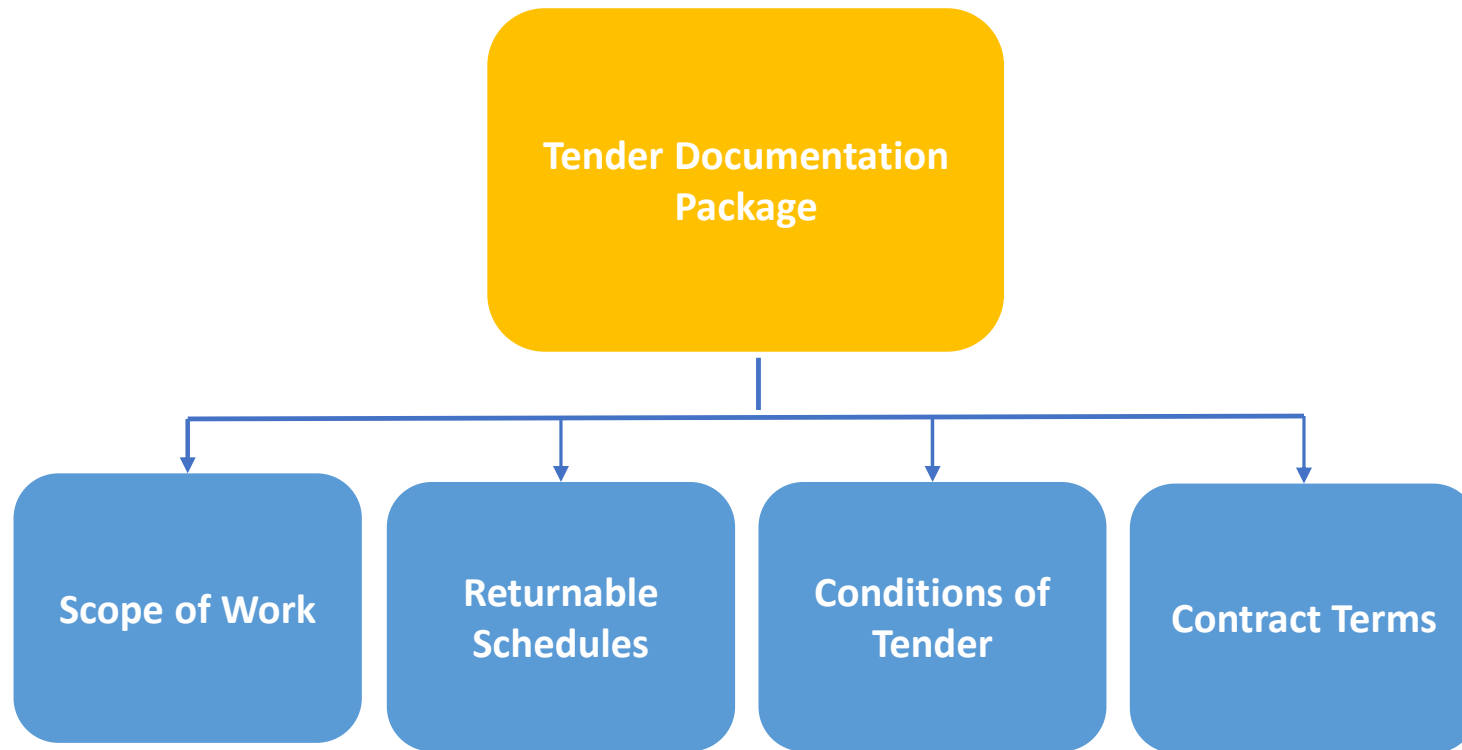
Sustainable Choice offers an interactive, “hands on” one-day training programme, based on the new ISO 20400: 2017 standard on Sustainable Procurement.

The training can support your organisation’s initiatives in the following areas:

- Managing pollution, waste and energy issues in your business and your supply chains
- Creating local jobs and boosting the local economy
- Ensuring your supply chains are safe from unsafe labour practices and human rights issues

Processes

- Sustainable Procurement Policy
- Standard sustainability requirements in contract
- Sustainability questionnaire in tender
- Referral of tenders to Sustainability
- Seek opportunities for swapping out products



RFT referrals to Sustainability: case study

- Ventilation (variable speed fan and CO monitoring)
- Lighting (LED, motion sensors, dimmable)
- Independent metering
- Future proofing (EV charging)



Seek opportunities for swapping out products

| COUNCIL | | | |
|------------------------------|---------------------------------|--|----------------------------|
| Office supplies | | | |
| Meeting supplies | | | |
| Utilities | | | |
| CITY LIVING | DEVELOPMENT & RECREATION | INFRASTRUCTURE | CEO DEPARTMENTS |
| Children and Family Services | Planning | Major Projects | Cultural Advisor |
| Community Wellbeing | Property and Strategic Services | Capital Works – Properties, Civil, Parks, Streetscapes | Economic Development |
| Communications | Regulatory Services | Engineering Services | Legal |
| Events | Sports & Rec - Aquatics | Facilities | Ombudsman |
| Libraries | Sports & Rec – Parks Planning | Operations – Civil, RR, Fleet, Parks, Streetscapes | Resource Recovery Planning |
| Living Arts | ICT | Procurement | Urban Forest and Ecology |
| Social & Cultural Planning | | Traffic and Transport planning | Urban Sustainability |
| | | | Customer Service, Risk |
| | | | Finance |
| | | | Governance |
| | | | Human Resources |



INNER WEST

Sustainability in Design: Solar

- Solar on all new builds and major refurb
- Incorporate into design
- Tools to support:
 - Technical spec
 - Installer panel
 - Monitoring system
 - Training for PMs



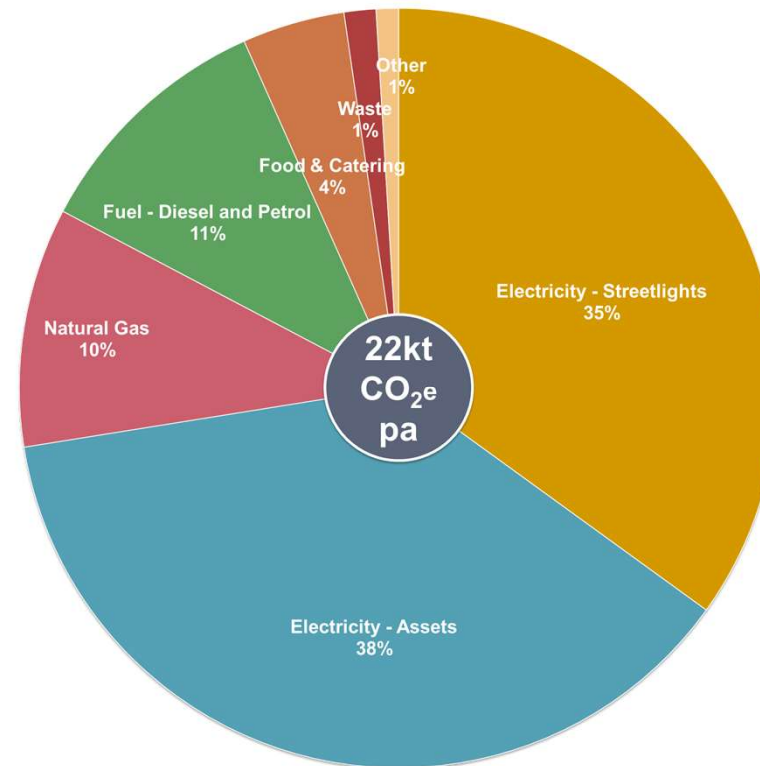
Sustainability in Design: Road Making

- Low carbon concrete (Kendrick Park Cycleway pictured)
- Permeable pavement
- Toner paver
- Recycled crushed glass in asphalt



Learnings for “other”

- More complex due to diversity of procurement
- Change in product rather than process
- Carbon savings are sometimes capital cost savings, but more often operational savings





INNER WEST

Key lessons on journey so far

- Align with overall strategies
- Good data helps prioritise
- Incorporate into procurement process as early as possible
- Provide tools to support sustainable procurement:
 - Technical spec
 - Installer panel
 - Monitoring system
 - Training for PMs
- Someone has done it before!

12 December 2019

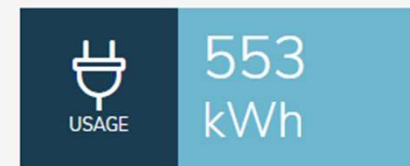
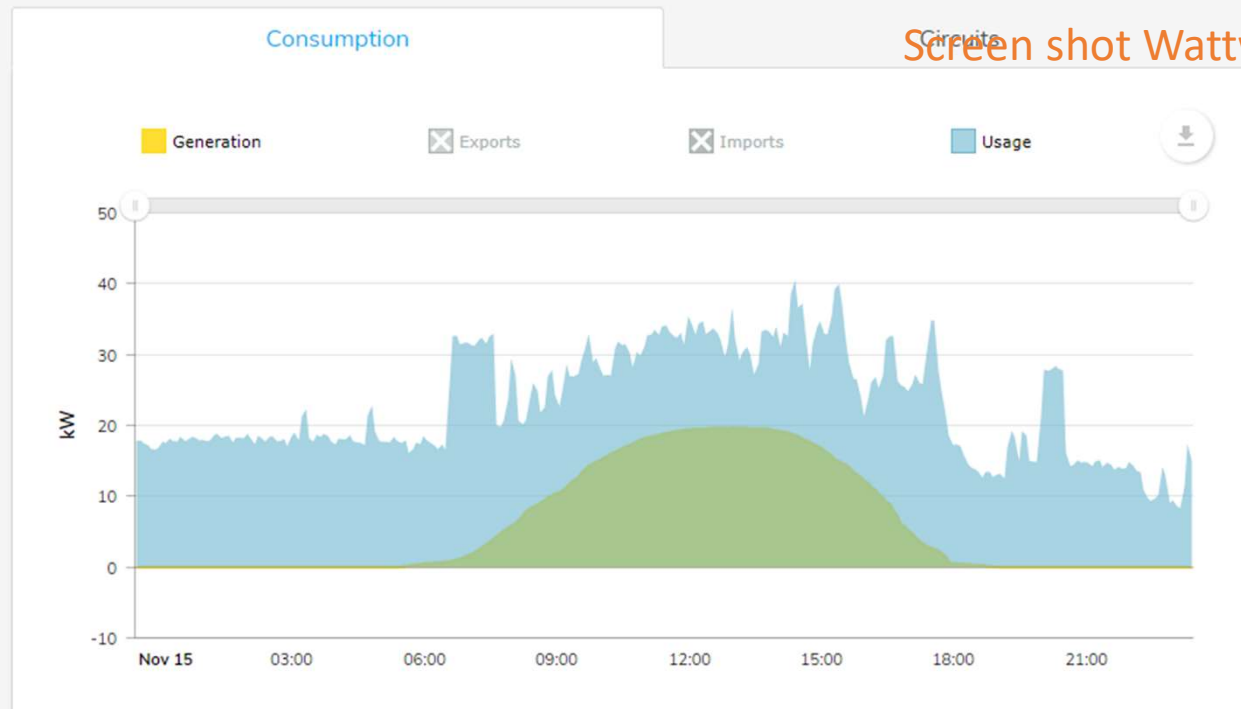
Section or Title

EXTRAS

INNER WEST

Fanny Durack Aquatic Centre

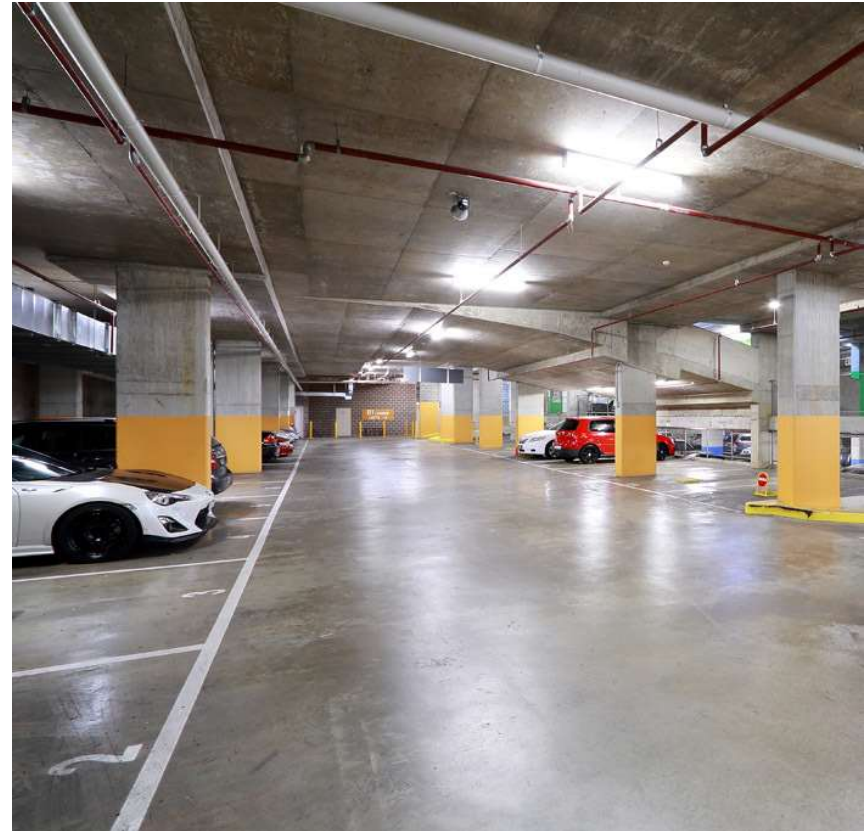
15 Nov – 15 Nov

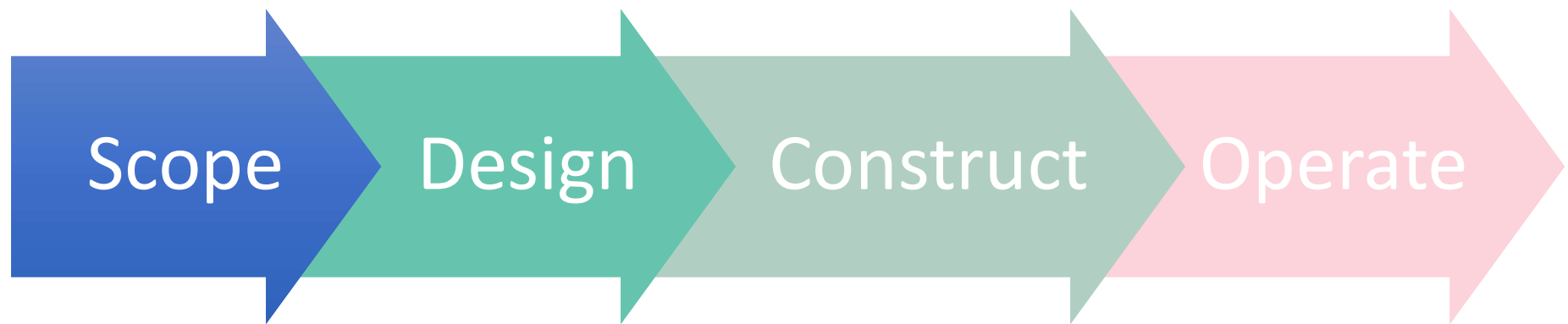


INNER WEST

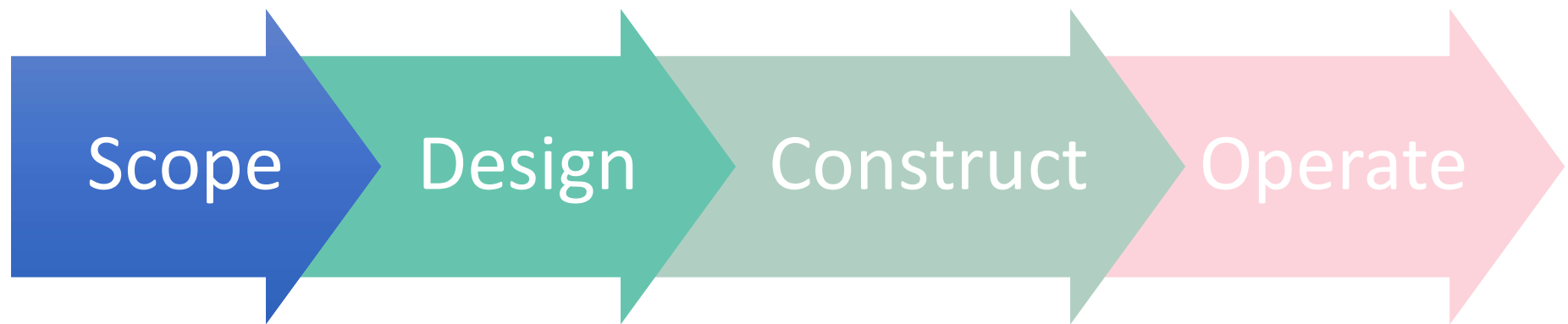
Sustainability in Design

- Principles for key project types (e.g. small building upgrade)
- Tools to support principles
 - Technical specifications
 - Training
 - Supplier panels

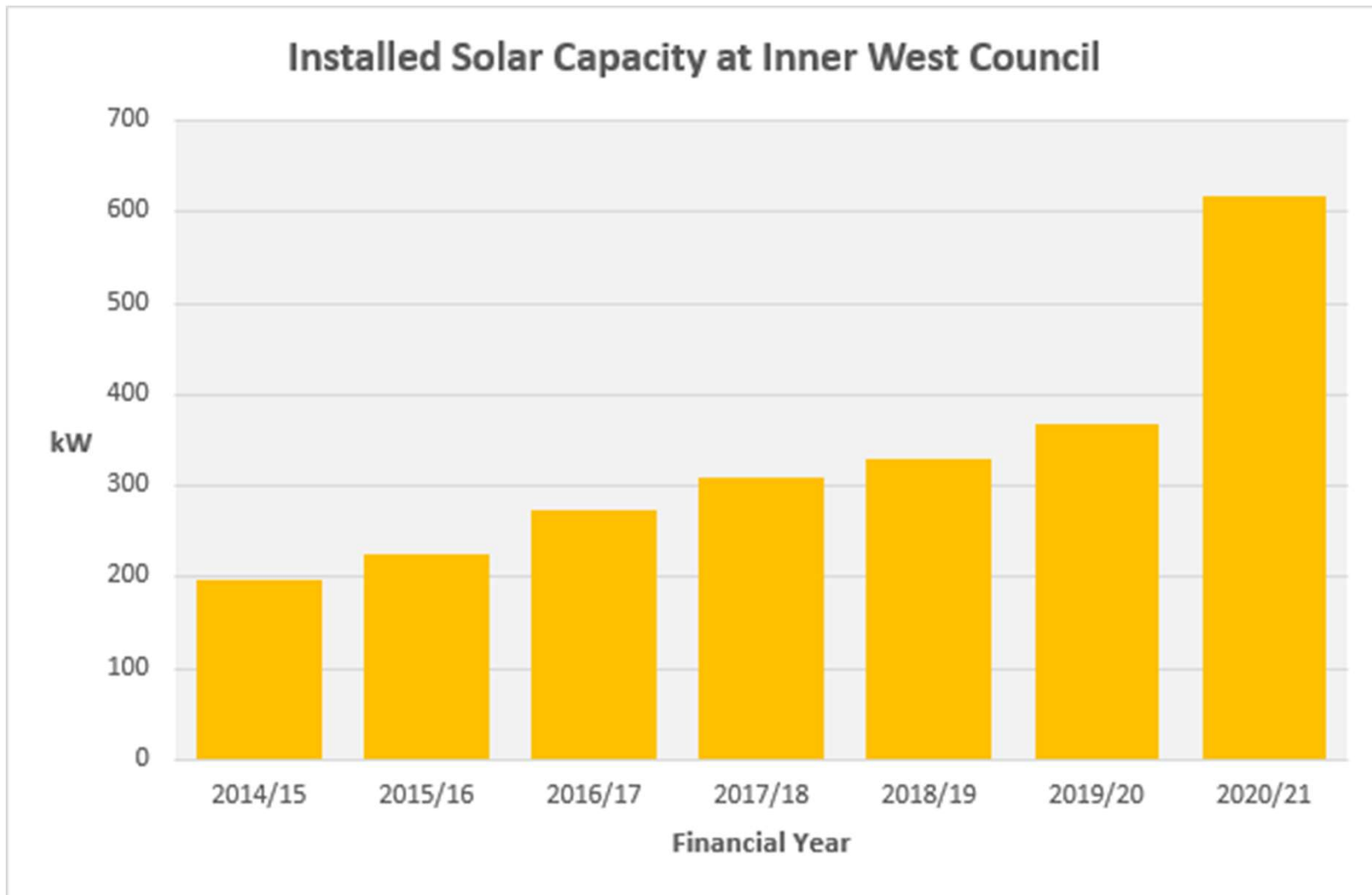




INNER WEST



INNER WEST



Inner West Council
Request for Quotation

Requirements of the RFQ

1. OBJECTIVE AND SCOPE

Inner West Council plans to install solar photovoltaic (PV) systems on existing Council buildings listed in Section 2.

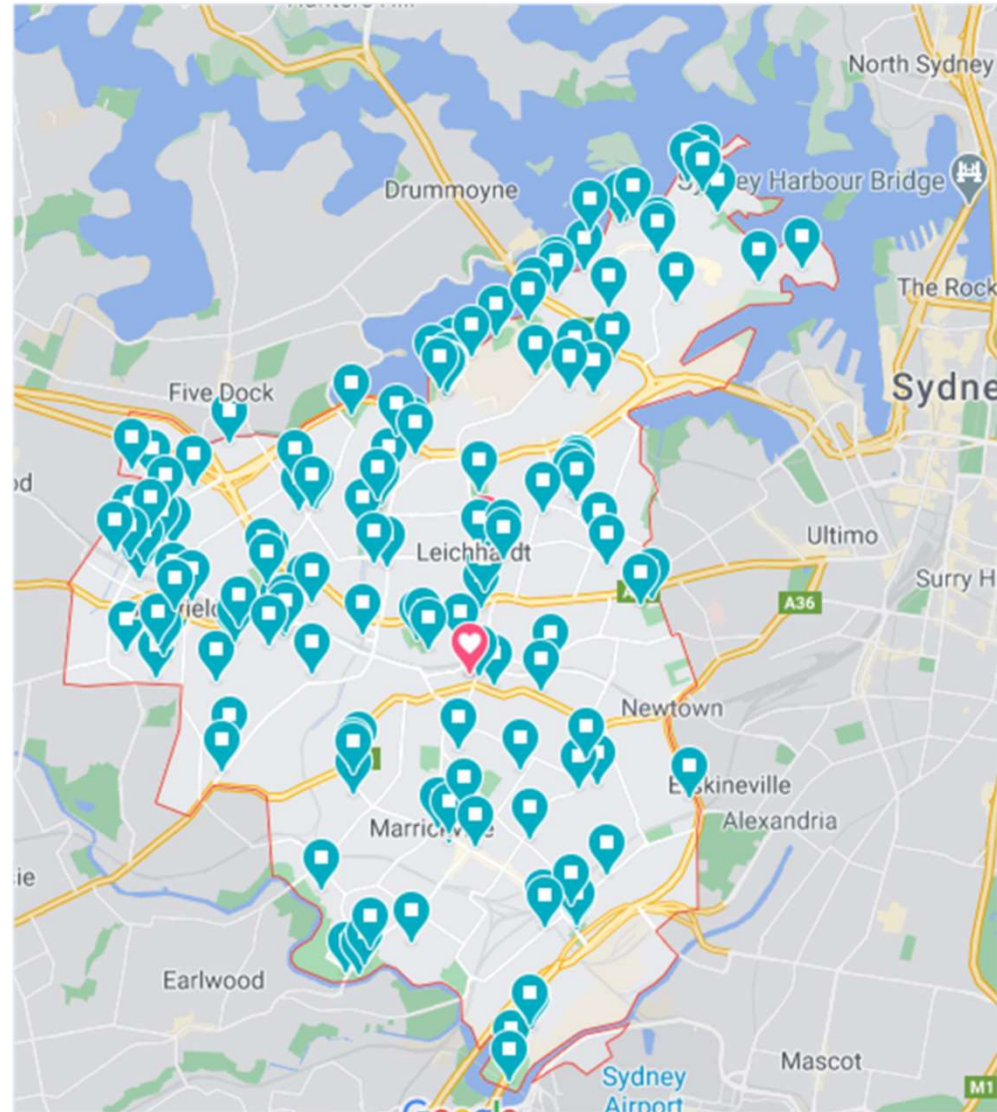
Prior to installation, Council is seeking a suitably qualified structural engineer to assess the roofs and provide a Structural Adequacy Certificate. This may be included in approvals submissions.

The structural engineer's work should include tasks such as:

- Initial discussion with Council regarding the sites and the proposed solar PV systems
- Provision of a brief safety plan describing management of key issues such as COVID and roof access
- Initial general roof inspection early in the project to confirm the roofs are adequate. Inspection must be undertaken in a safe and secure manner (engineers must supply their own safety equipment)
- Review of available design documentation (assuming solar PV designers have completed their work)
- Site inspection with the solar PV installers to confirm specific design details

Other assets

- More diverse and challenging
- Solar
- Energy efficiency



Certainty



INNER WEST

Change



INNER WEST



Inner West Council

5 January 2019 · 🌐



Council is committed to sourcing renewable energy and addressing climate change. Our goals include becoming carbon neutral and 100% renewable!

One of our strategies for addressing climate change is planning for changes in climate. We're working hard to implement strategies to safeguard the Inner West against the unavoidable effects of climate change, such as hotter weather, worsening storms and rising sea levels.

[#sustainableinnerwest](#) [#climatechange](#)



INNER WEST

Item No: C0519(1) Item 7
Subject: NOTICE OF MOTION: DECLARATION OF CLIMATE EMERGENCY
From: Councillor Marghanita Da Cruz

MOTION:

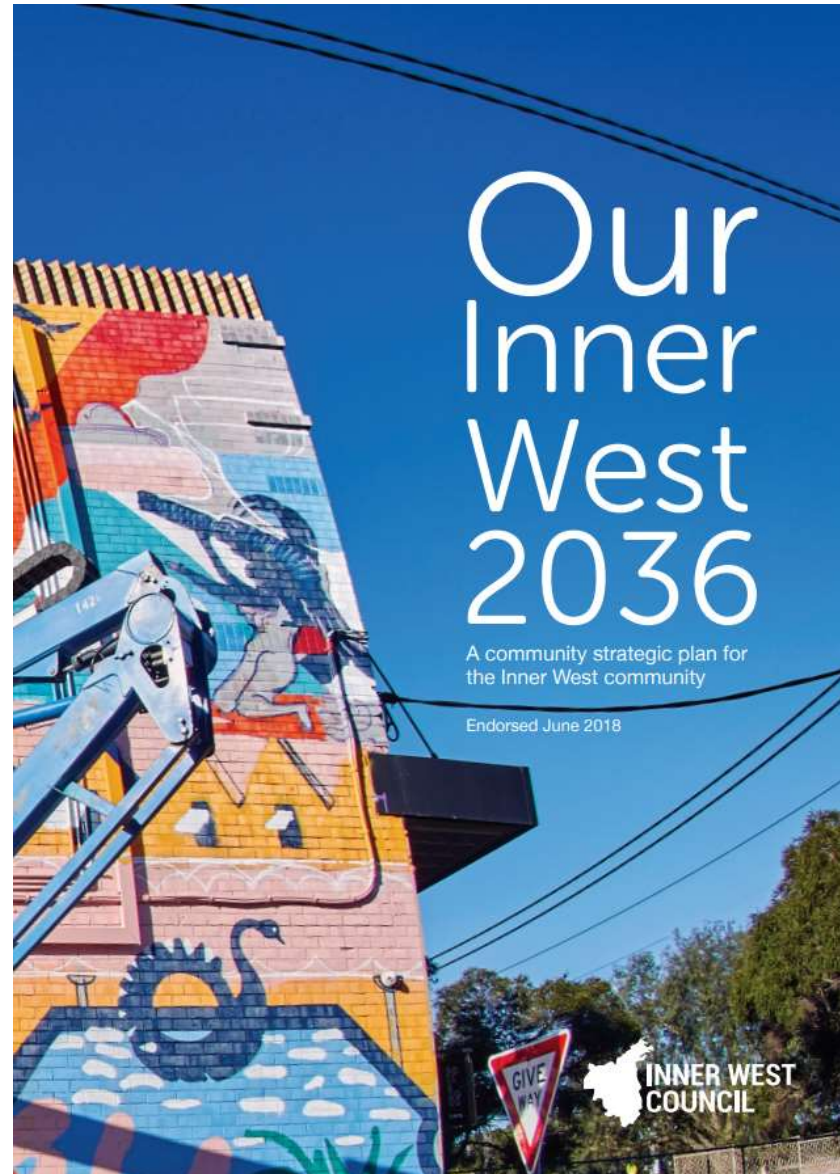
THAT Council:

- 1. Publicly acknowledges that we are in a state of climate emergency that requires urgent action by all levels of government; that human induced climate change represents one of the greatest threats to humanity, civilisation, and other species; and that it is still possible to prevent the most catastrophic outcomes if societies take emergency action, including local councils;**
 - 2. Include references to this emergency in the CEO's performance agreement and Council adjust his key performance indicators accordingly; and**
 - 3. Review the annual budget key performance indicators and policies over the course of the next twelve months to focus Council expenditure and revenue on this issue.**
-

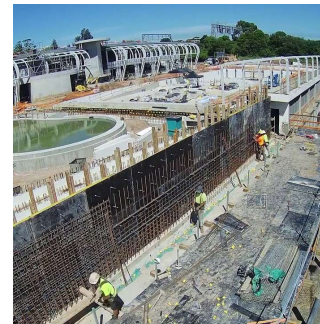
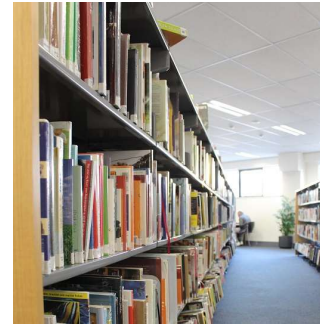
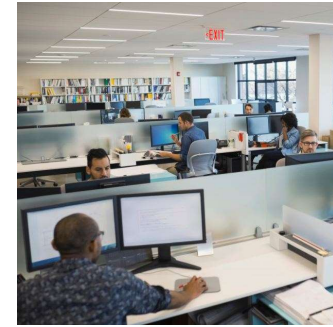
Balancing act

- Climate change (mitigation and adaptation)
- Zero waste (circular economy)
- Vibrant local economy
- Indigenous engagement

INNER WEST



Diverse Council procurement activities



INNER WEST



Projected **temperature** changes

Maximum temperatures are projected to **increase** in the near future by 0.3–1.0°C

Maximum temperatures are projected to **increase** in the far future by 1.6–2.5°C



Minimum temperatures are projected to **increase** in the near future by 0.4–0.8°C

Minimum temperatures are projected to **increase** in the far future by 1.4–2.5°C



The number of hot days will **increase**

The number of cold nights will **decrease**

Projected **rainfall** changes



Rainfall is projected to **decrease** in spring and winter

Rainfall is projected to **increase** in summer and autumn

Projected **Forest Fire Danger Index (FFDI)** changes



Average fire weather is projected to **increase** in spring by 2070

Severe fire weather days are projected to **increase** in summer and spring by 2070

| Greenhouse Gas | Common Use | Detail |
|---------------------|-----------------------------------|---|
| Carbon dioxide | Electricity supply Vehicle use | Burning fossil fuels to generate electricity or power |
| Methane | Waste disposal | Decomposition of organic waste in landfill |
| Nitrous oxide | Electricity supply | Burning fossil fuels to generate electricity or power |
| Hydrofluorocarbons | Refrigeration, air con | Coolant gases |
| Perfluorocarbons | Refrigeration, air con | Coolant gases |
| Sulfur hexafluoride | Electricity supply | Electrical insulator, arc suppressant |

Governance review

- Procurement, Legal
- Sustainable Procurement Policy
- Tender questionnaire
- Contract clauses
- Referral of tenders to Sustainability



Sustainable Procurement Policy Framework

DOCUMENT PROFILE

| | |
|--|--|
| Title | Sustainable Procurement Policy |
| Summary | This policy provides the principles that underpin the framework for the procurement of goods and services to ensure Council obtains best value for money whilst achieving legislative compliance, transparency, probity, environmental and social sustainability objectives. |
| Background | The Local Government Act and Regulations covers the procurement of all goods and services and is binding on all Local Government Authorities. |
| Relevant Council References | <ul style="list-style-type: none">• Procurement Manual• Procurement procedures• Code of Conduct• Gifts & Benefits Policy• Statement of Business Ethics• Register of Delegations |
| Main Legislative Or Regulatory Reference | <ul style="list-style-type: none">• The Local Government Act 1993 (NSW)• Local Government (General) Regulation 2005• Government Information (Public Access) Act 2009• State Records Act 1998• International Labour Standards |
| Other References | <ul style="list-style-type: none">• ISO 20400 Sustainable Procurement - Guidance |
| Version Control | See last page |

RFT referrals to Sustainability: case study

- Turning lights off
- Using low impact chemicals



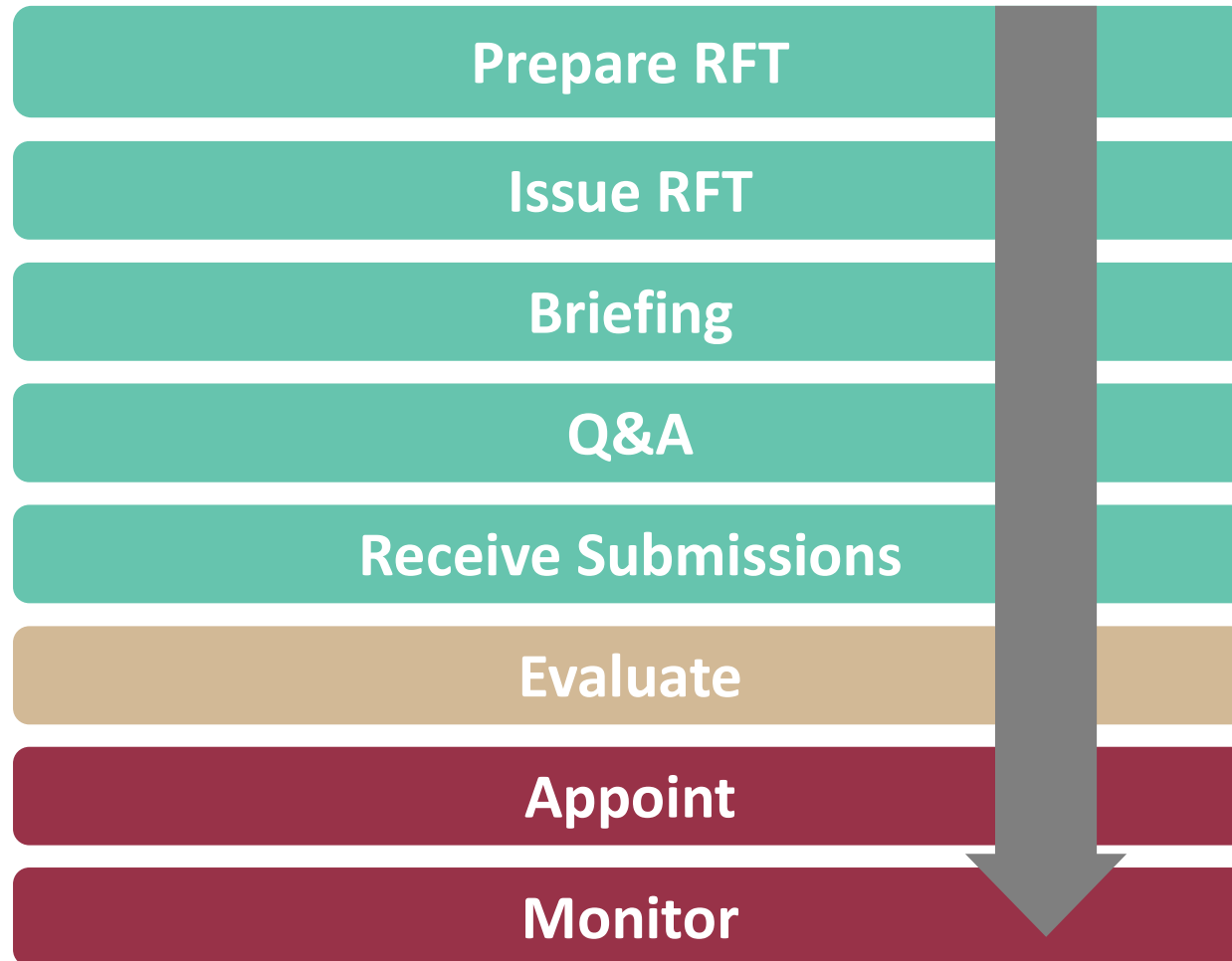


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| Other References | <ul style="list-style-type: none">• ISO 20400 Sustainable Procurement - Guidance |
| Version Control | See last page |

Tender process



SUSTAINABILITY CHECKLIST

| ITEM | SUBJECT | YES | NO |
|------|---|-----|----|
| 1. | Does your organisation have current documented procedures to be followed in the event of an environmental accident/incident? | | |
| 2. | Are you aware of the requirement to: prepare an Environmental Management Plan specific to these services; respond to Council's periodic review of the EMP; implement the EMP; and respond to the findings of any EMP audit undertaken by Council? | | |
| 3. | Has your organisation ever committed an offence, been issued with any notice or had a licence suspended or revoked under NSW environmental legislation or regulations? | | |
| 4. | Does your organisation have an Environmental Management System? | | |
| | If yes , is the system: <input type="checkbox"/> Certified <input type="checkbox"/> Uncertified | | |