

# Getting Sydney's Eastern Suburbs EV Ready

## Local Government Sustainability Awards



**Anthony Weinberg, Regional Environment Program Manager**

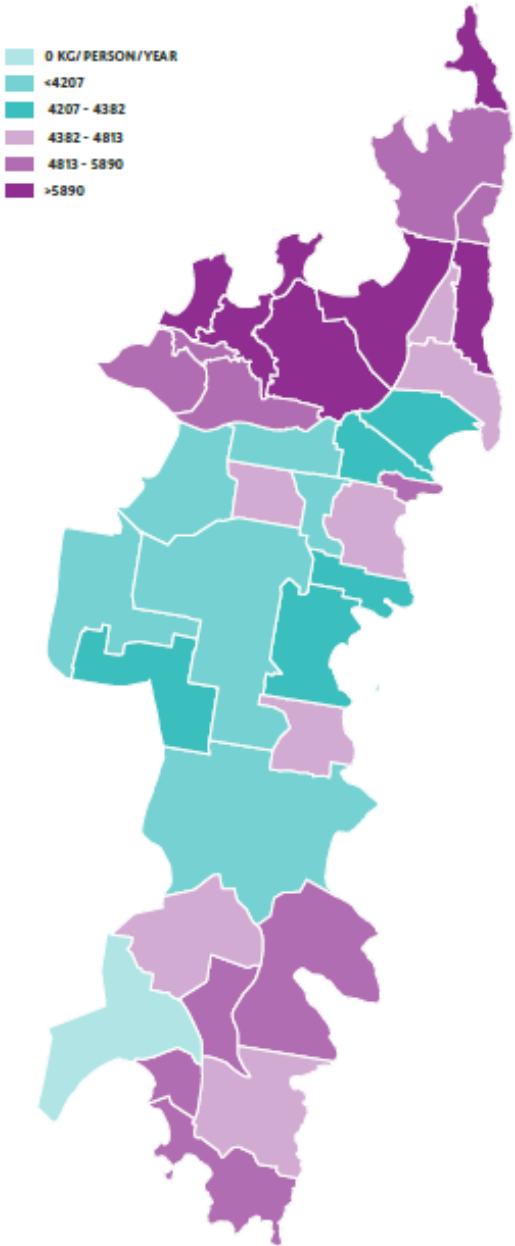
**3 December 2019**



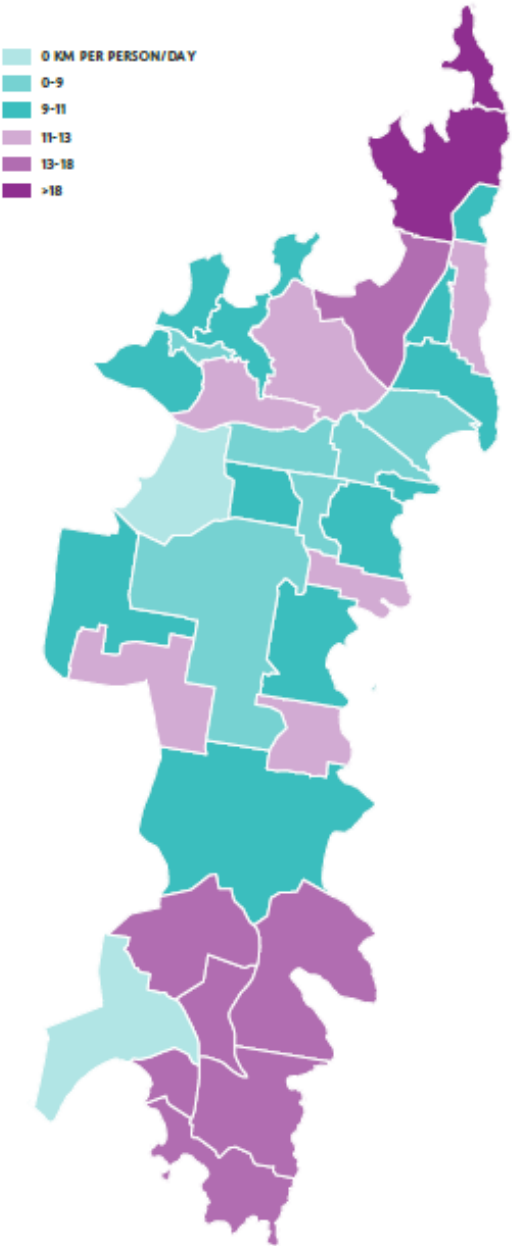
# Our Low Carbon Future Plan



EMISSIONS PER PERSON



CAR USE PER PERSON

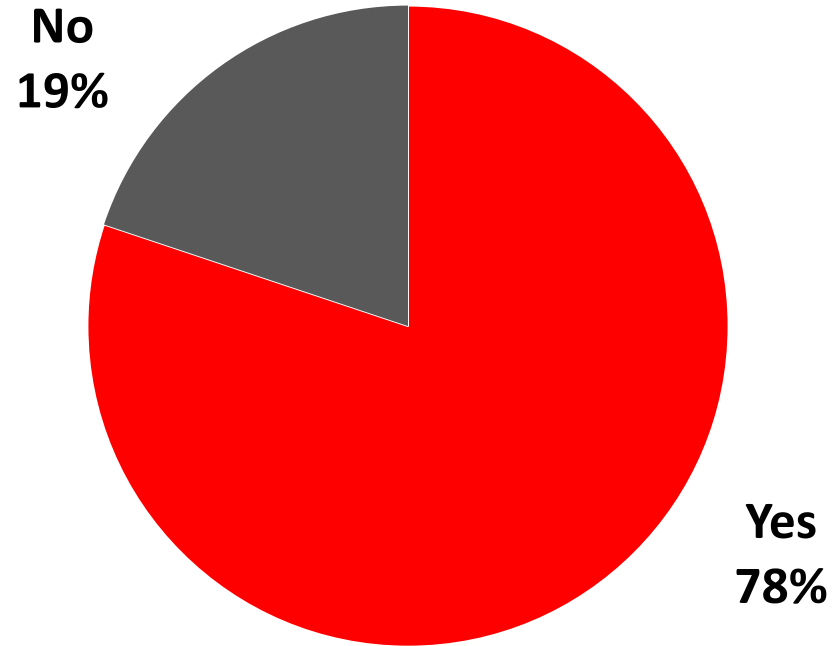




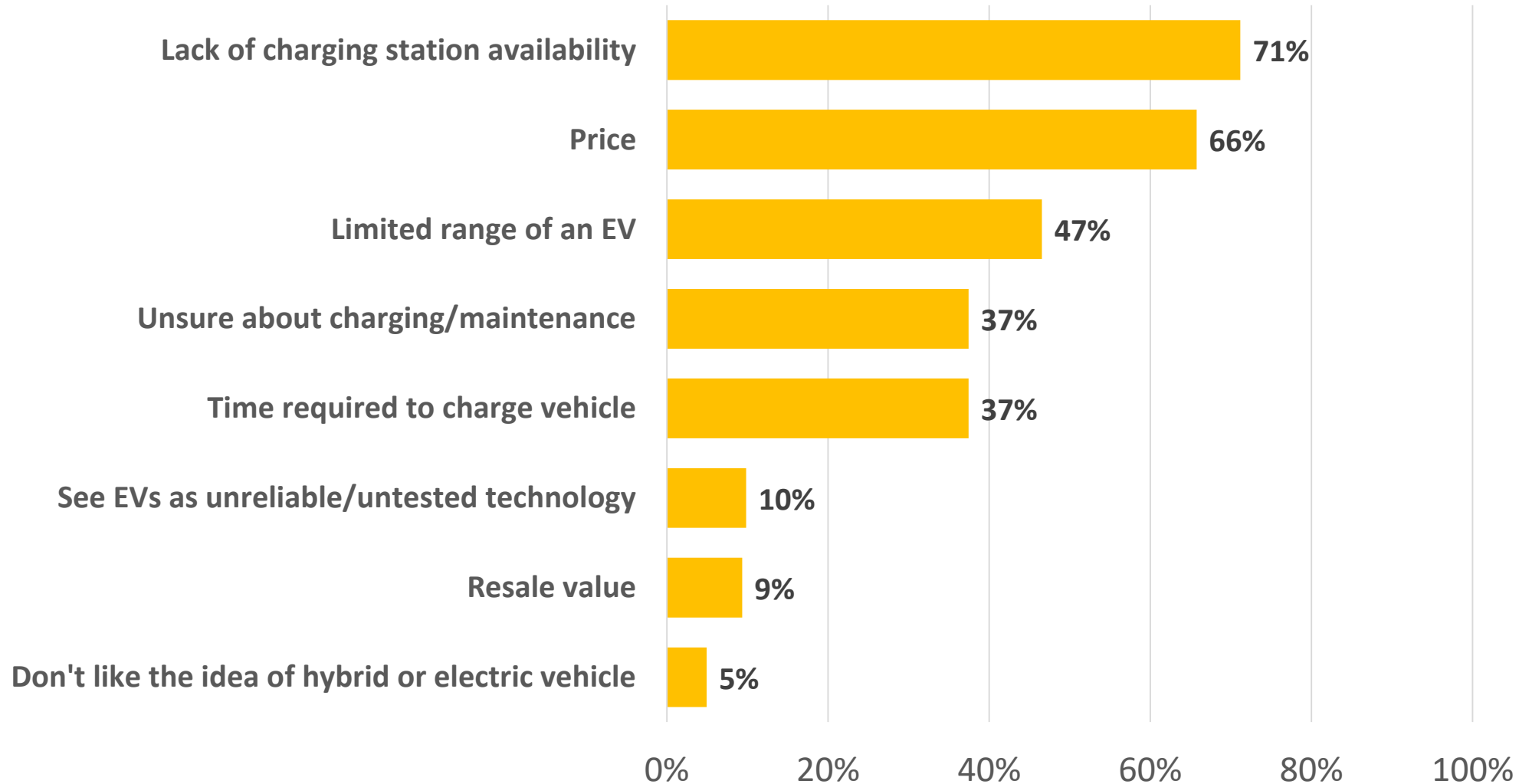
**Transport responsible** for 22% of emissions  
in the eastern suburbs

# EV Charging Survey Results (2017)

Would you consider purchasing a hybrid or electric vehicle if there were more public charging stations? (%)



# EV Survey - Barriers to EV uptake

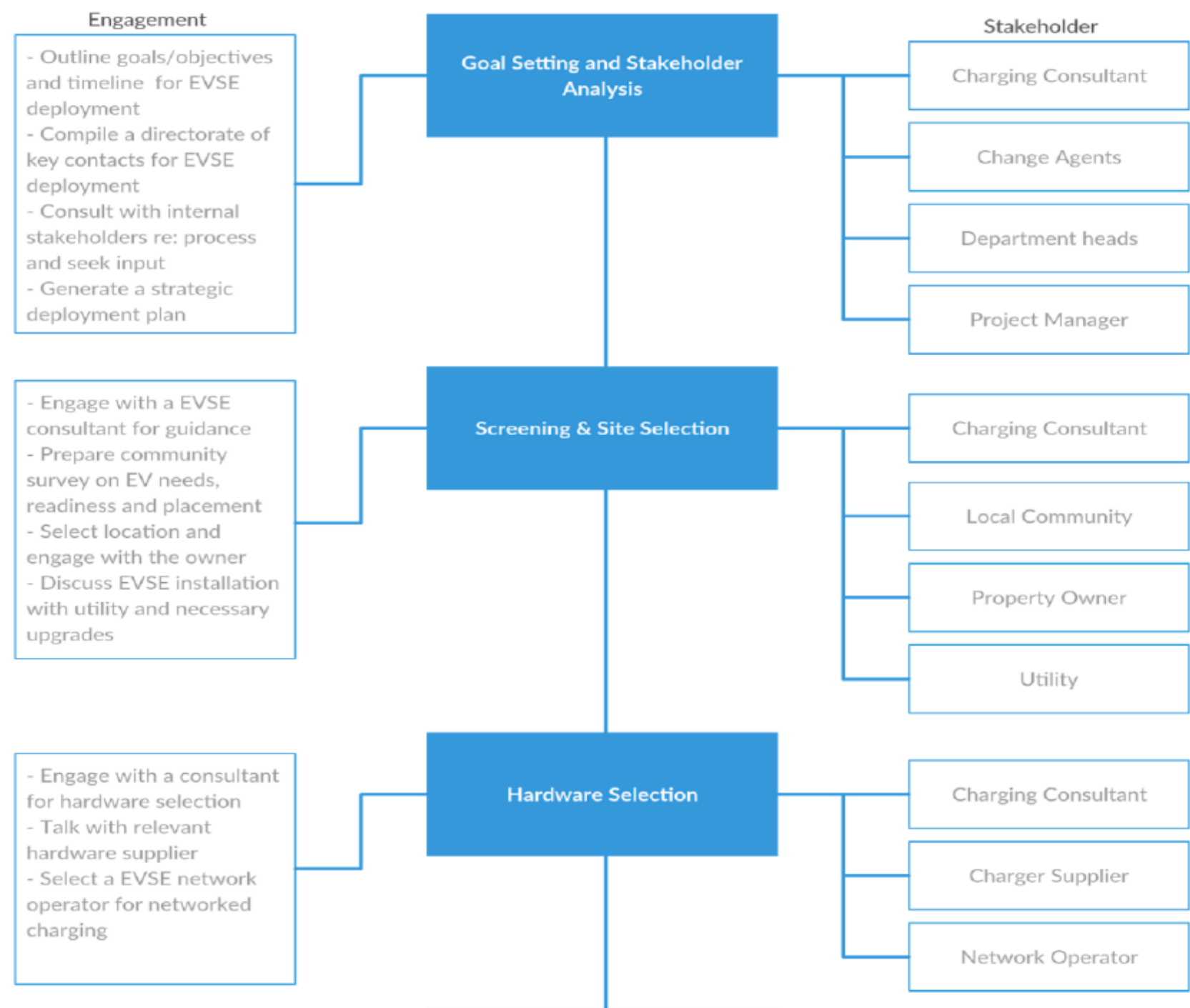


# Councils as enabling uptake of EVs

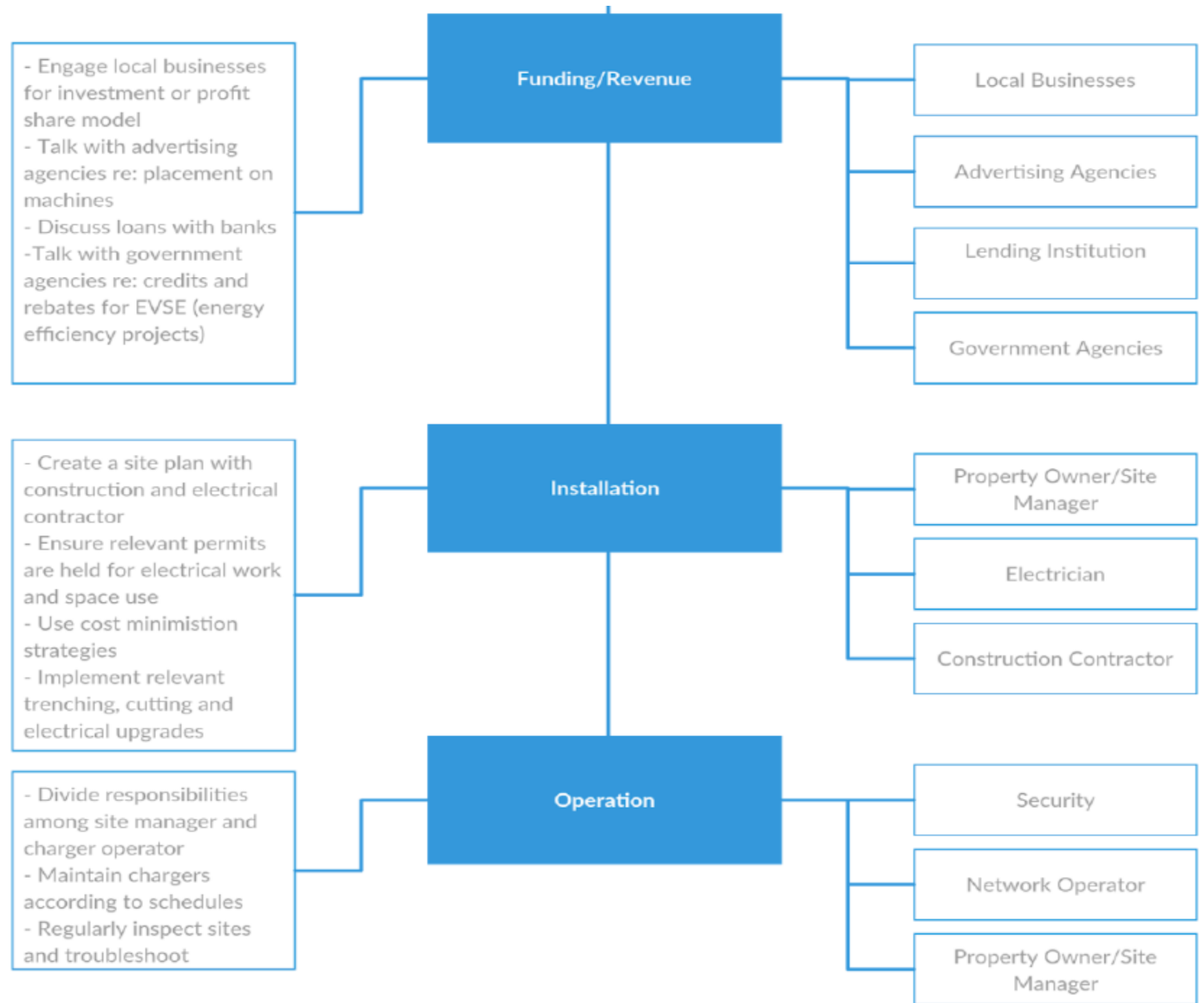
1. Price
2. Range
3. Availability of charging infrastructure



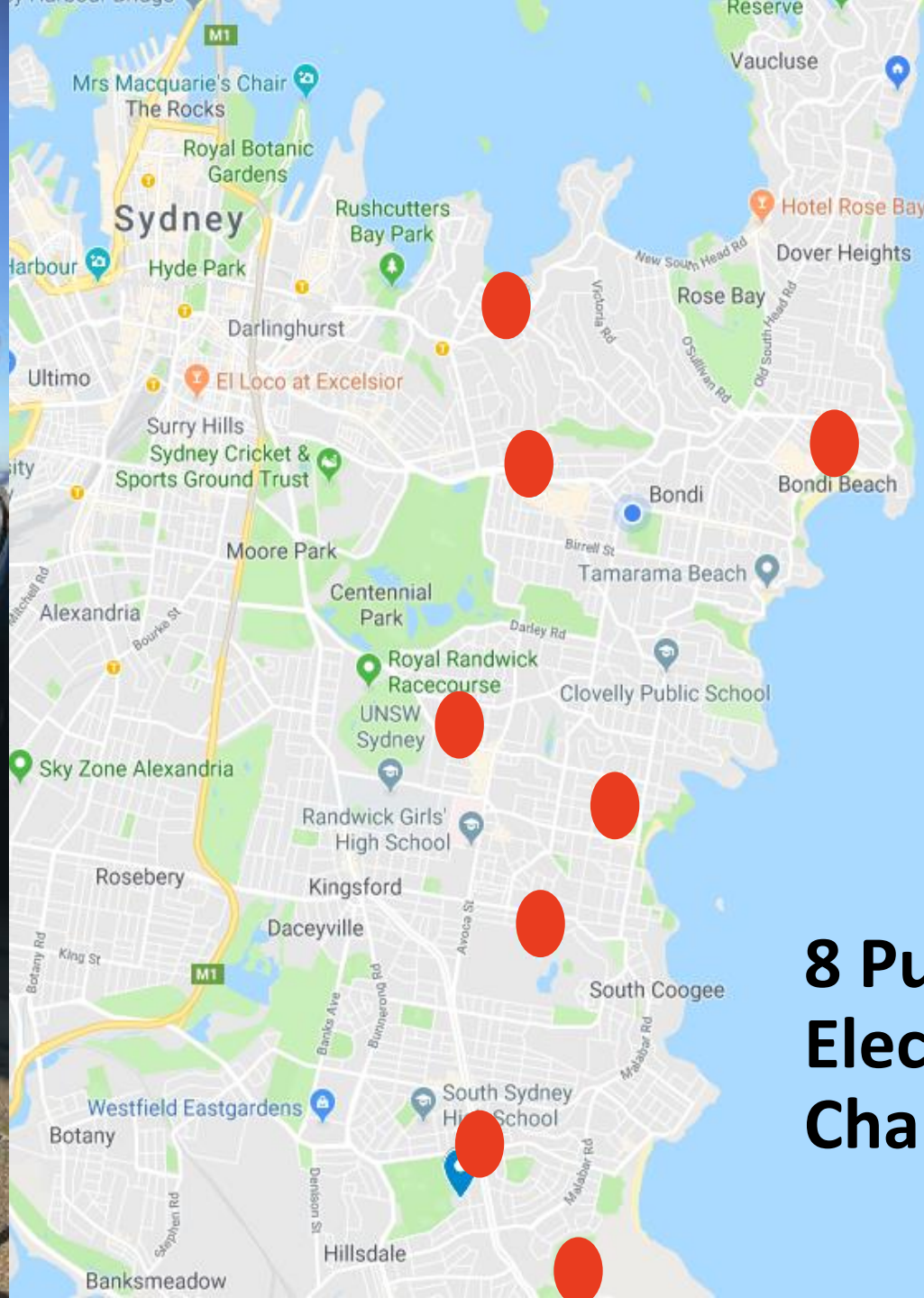
# Stages, tasks & responsibilities (Part 1)



# Stages, tasks & stakeholders (Part 2)



Source: Electric Vehicle Charging for Local Governments (Everty 2018)



**8 Public  
Electric Vehicle  
Charging Stations**

# Bondi Beach



# Coogee Beach



# Randwick



# Kiaora Place Double Bay



# Randwick Community Centre



Tesla Tom  
@\_TeslaTom

Follow



Now THAT is how you charge an Electric Vehicle! 😎🚗🔌👉 @mcannonbrookes @simonahac @elonmusk @Tesla @EVCouncil @BJafari @GladysB @TeslaGong @outbacktesla @ozevchampions @TeslaStraya @sydney\_ev @cvanderstock @BridieEV @TheDriven\_io @Chargefox @jetcharge



4 Retweets 35 Likes



6

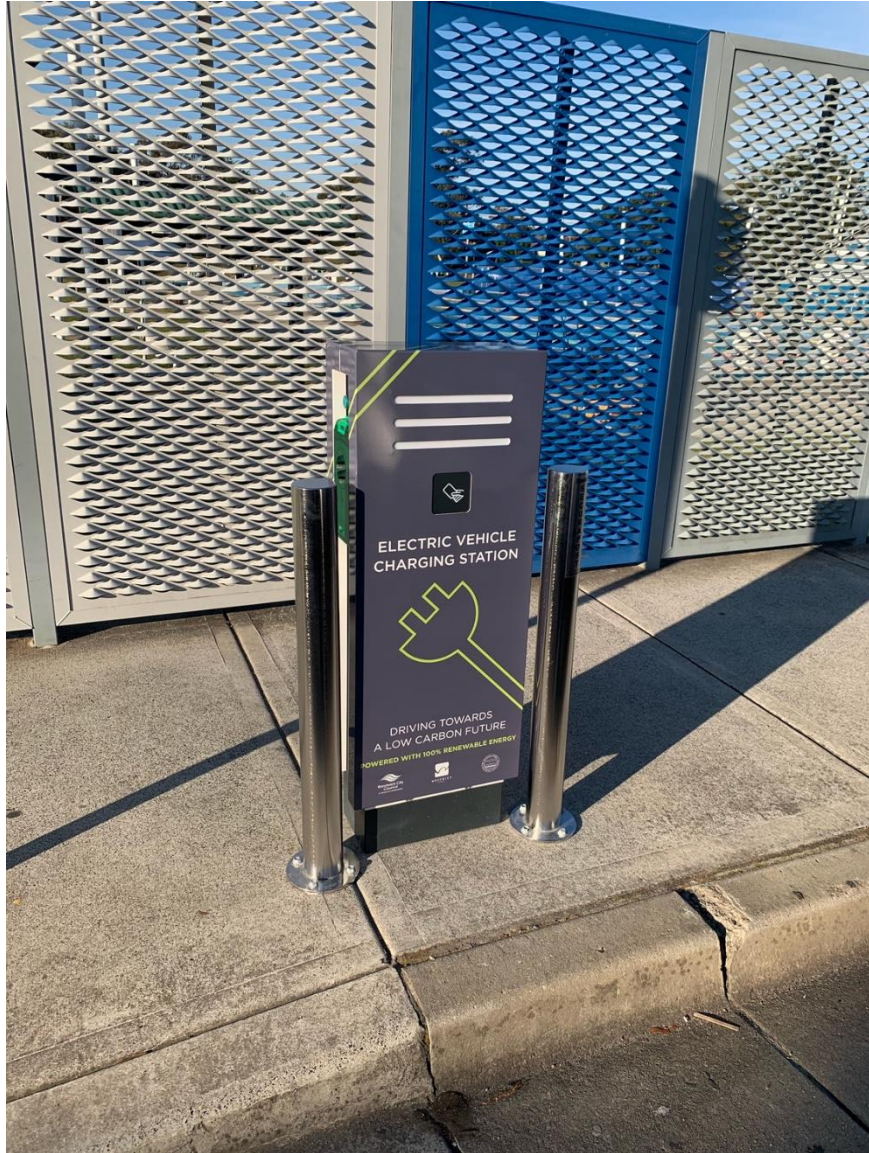


4



35

## Des Redford Leisure Centre - Maroubra



## Prince Henry Centre - Little Bay



# Making news



THE DRIVEN



EV NEWS ▾ EV MODELS ROAD TRIPS PODCASTS FAQs ▾



## Three Sydney councils join forces to charge up infrastructure for electric vehicles

DECEMBER 10, 2018 · 3 MINUTE READ · BRIDIE SCHMIDT



Sydney is set to get six public electric vehicle charging stations by next year.

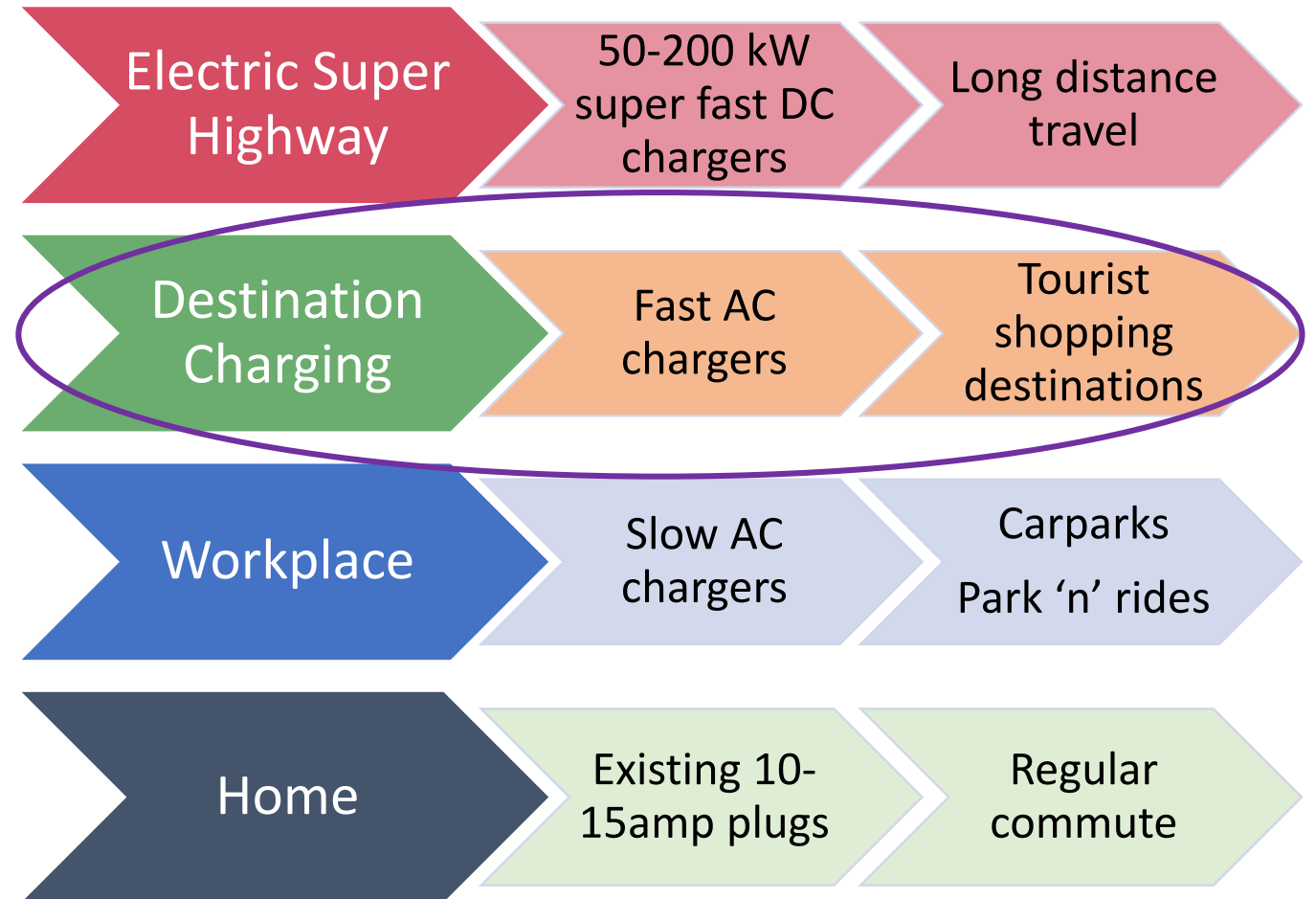


Radio SYDNEY



# On-street public charging network

- Dual port Level 2 (22kW AC)
- Charge 150km/hr
- Universally accessible
- Usage fee 60c to \$5.50/hr
- Powered by 100% renewable energy



# Real-time monitoring



CHARGEFOX

Dashboard

Usage Report

anthony.weinberg@v

## Charging station ports

### ▼ 12 available

#### Bondi Park

2 Queen Elizabeth Drive, Bondi Beach, NSW, 2026

Station 1515: Port A

Station 1515: Port B

#### Coogee Beach

97R Brook Street, Coogee, NSW, 2034

Station 1513: Port A

Station 1513: Port B

#### Des Renford Leisure Centre

Jersey Rd and Robey St, Maroubra, NSW, 2035

Station 1653: Port A

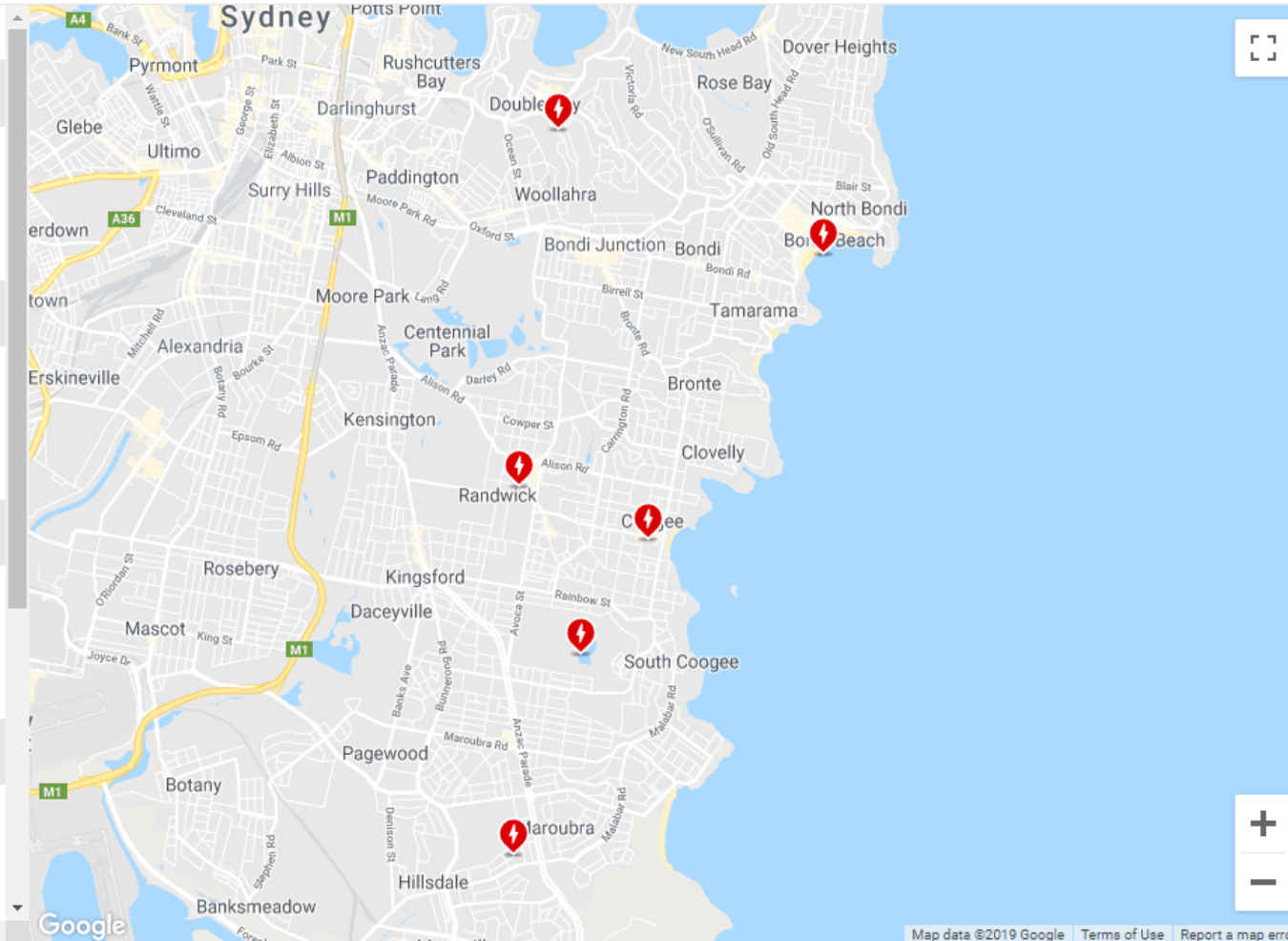
Station 1653: Port B

#### Kiaora Place Shopping Centre

1 Kiaora Road, Double Bay, NSW, 2028

Station 1511: Port A

Station 1511: Port B



Jun 2019

Number of sessions

37

Charging time

27hrs 10mins

0hrs 44mins per session

Parked time

6hrs 51mins

0hrs 11mins per session

Electricity consumption

149.9070kWh

4.0515kWh per session

Revenue

\$0.00

\$0.00 per session

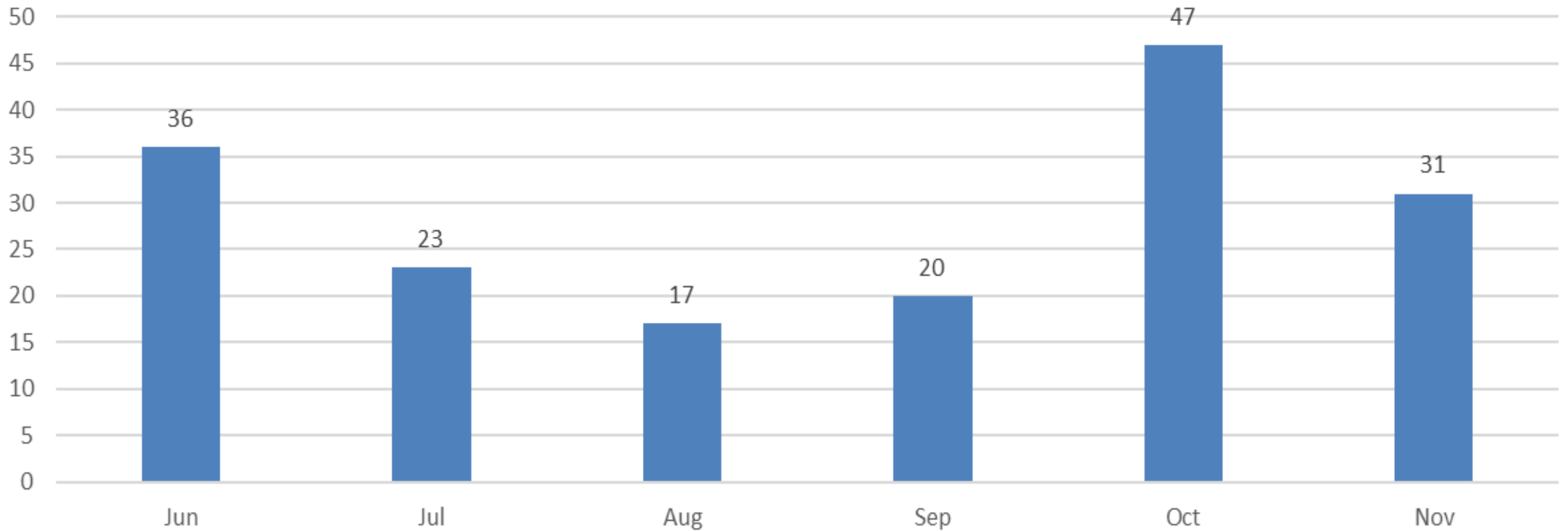
Electricity cost

\$28.50

\$0.77 per session

# Results – Usage and Number Charging Sessions

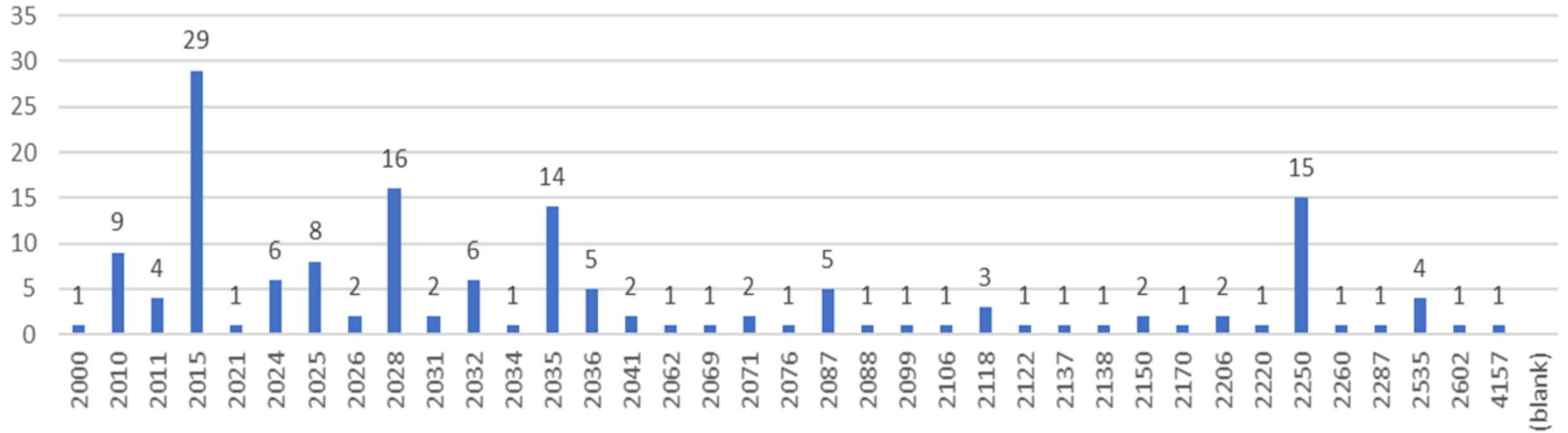
Number of Charging Sessions per Month



# Results – Where do our drivers come from?

Count of Driver Postcode

Driver Residence Postcode 5 June - 21 Nov 2019



Driver Postcode ▼

# The road less-travelled...can be bumpy

- Took a while to do on a budget
- Identifying sites was an iterative process
- Signage from RMS took a long time
- Promised support from NSW Department of Industry was not forthcoming
- Grateful for support from Moreland Council, City of Adelaide, NRMA and Energy Lab



# But rewards are numerous...

---

- **Reduces pollution and noise**
- **Increases access to charging**
- **Provides confidence** to drive & purchase an EV
- **Brings tourism dollars** to local precincts
- **Market transformation** in 'smart city' solutions



FREE WEBINAR

## ELECTRIC VEHICLE CHARGING IN APARTMENT BUILDINGS

Hear from the experts about EV  
charging for apartment dwellers

**When:** 6.30-7.30pm, Wed 19 September

**Where:** Online anywhere

**Register:** [TinyURL.com/y2vdpnd](https://tinyurl.com/y2vdpnd)



## What next?

- EV Charging in Apartments webinar going online
- Two installations Nov-Dec at Bondi Junction and in Woollahra LGA
- Fleet and carshare
- Supporting charging uptake in clubs, shopping centres
- Planning requirements for new apartment developments
- Electric Vehicle Charging Strategy for Eastern Suburbs



**3-Council Regional Environment Program Manager**  
**Randwick, Waverley and Woollahra councils**  
**[anthony.weinberg@waverley.nsw.gov.au](mailto:anthony.weinberg@waverley.nsw.gov.au) 9083 8207**