

# WATTBLOCK ENERGY REPORT

## EV SURVEY RESULTS

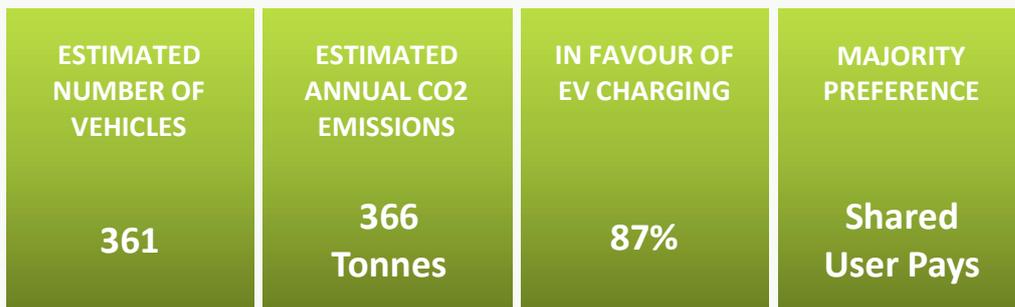
Survey conducted from 23/6/2017 over a period of 35 days

Sample Building  
1 Sample Street  
Sample Suburb, NSW 2007

Type: Mid Rise  
Blocks: 1  
Apartments: 328  
Residential Levels: 7  
Commercial Levels: 1  
Carpark Levels: 9  
Age of Block: 19 Years

### RESIDENT SURVEY RESULTS

Your building has an estimated 361 vehicles. 87% of survey responses are in favour of charging facilities with a preference for Shared User Pays deployment.

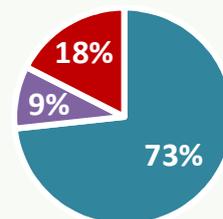
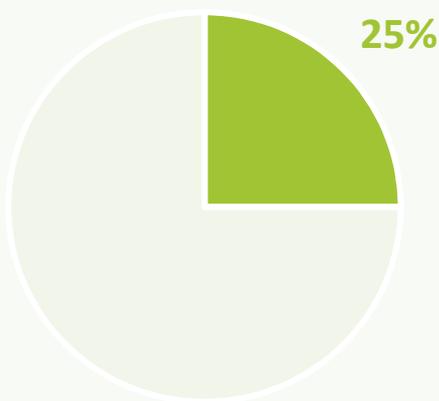


### RESIDENT ENGAGEMENT

There were 83 responses to the survey for your building. This represents approximately 25% of all apartments.

Buildings that participated in the survey received a response rate of between 3% and 53%. As of the date of this report 109 buildings participated in the study.

Response Rate



Typical Split

- Owner Occupier
- Owner Investor
- Resident

### POSITION ON EV CHARGING

87% of respondents are in favour of installing EV charging facilities. This compares with 78% in favour for a typical building.

Residents of your building were more likely to respond 'yes' to this question than the typical building.

Are You In Favour Of Installing EV Charging?

Your Building



Typical Building



## RESIDENT DRIVER PROFILE

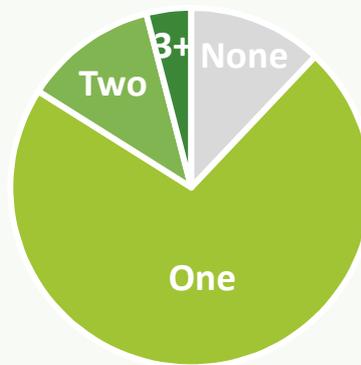
Across approximately 361 vehicles in your block, a total of 2,023,000kms are travelled each year, which requires 223,000 litres of petrol and costs \$290,000 per year.

### VEHICLE ACCESS

The residents of your building keep an average of approximately 1.1 vehicles, compared with 1.2 for a typical building.

This includes 12% of respondents that do not have a vehicle. This compares with 11% for a typical building.

How Many Vehicles Do You Keep On Your Lot?

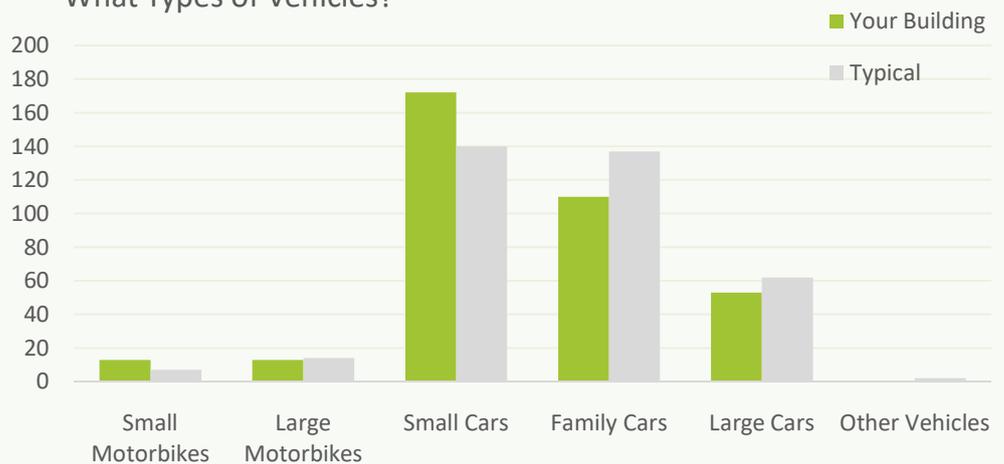


### VEHICLE DISTRIBUTION

The residents of your building were most likely to drive Small Cars, estimated to be 48% of all vehicles or 172 in total.

Family Cars are the most common in typical buildings accounting for 39% of vehicles.

What Types of Vehicles?



### DISTANCE TRAVELLED

The residents of your building drive an average of approximately 108 kms per week, compared to an average of 114 kms for a typical building.

How Many Kilometres Do You Drive Per Week?



## ELECTRIC VEHICLE BUYING INTENTIONS

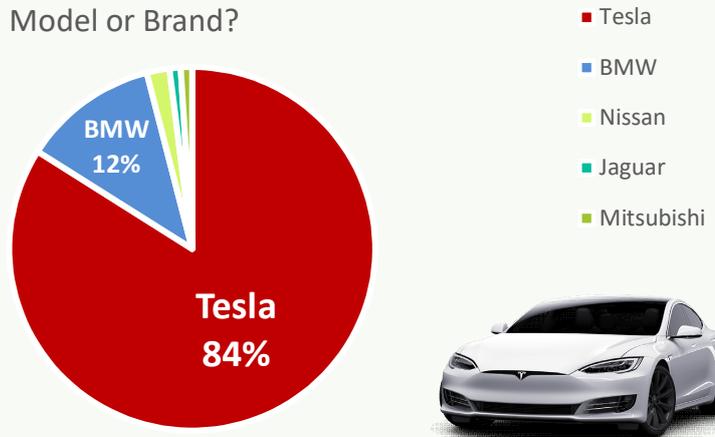
Among the 87% of respondents in your building who were in favour of EV charging, 58% either already have an electric vehicle or plan to have one in the next 10 years.

### BRAND & MODEL PREFERENCES

For the typical building 84% indicated a preference for Tesla, followed by 12% for BMW.

For your building 9 of 10 responses indicated a preference for Tesla.

Which Make, Model or Brand?

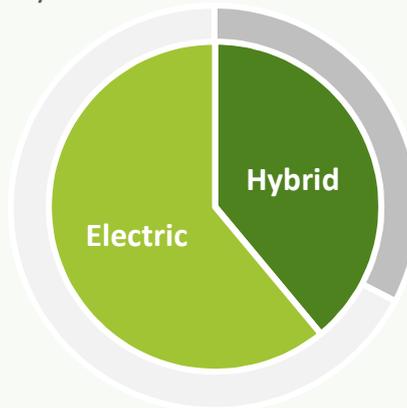


### HYBRID OR PURE ELECTRIC

61% of your residents prefer fully electric vehicles to hybrid vehicles, which is 6% less than the typical building.

51% of respondents expressed no preference.

Hybrid or Fully Electric?



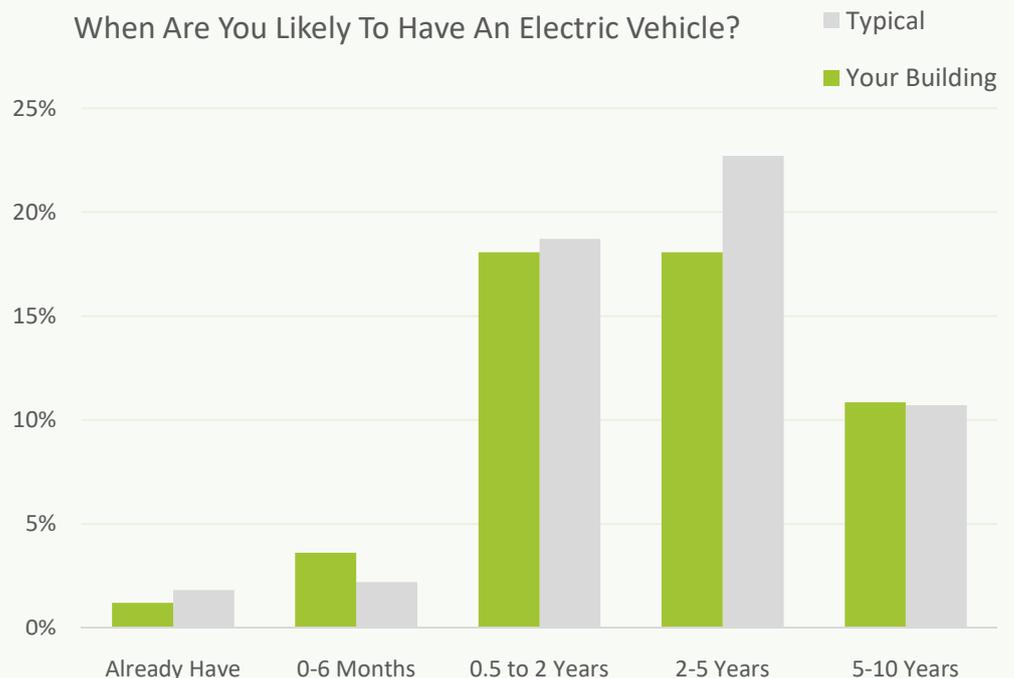
### PROJECTED ELECTRIC VEHICLES

52% of respondents either have or plan to have an electric vehicle within the next 10 years versus 56% for the typical building.

Most respondents expect to have an electric vehicle within 2-5 Years.

The residents of your building were 4% less likely than a typical building to have plans.

When Are You Likely To Have An Electric Vehicle?

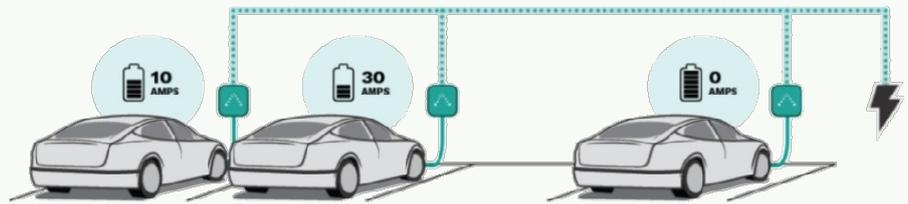


## EV CHARGING PREFERENCES

If your building were to proceed with Electric Vehicle charging facilities, the majority of respondents expressed a preference for User Pays and Shared chargers.

### CHARGING OPTIONS

Charging systems can be set up on visitor car spaces as a shared facility or provided directly to individual car spaces. There are numerous options available.

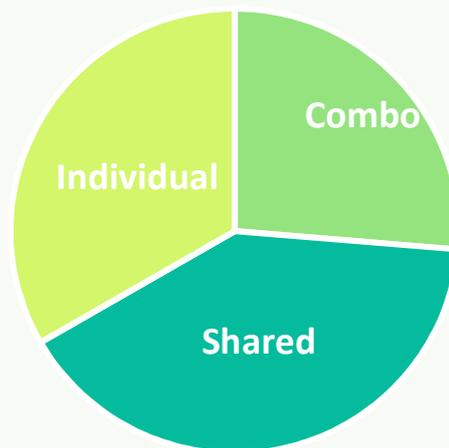


### SHARED OR INDIVIDUAL

Do You Prefer Shared or Individual Charging Facilities?

33% of respondents indicated a preference for individual chargers while 40% prefer shared chargers and 27% want a combination.

For the typical building 61% prefer individual chargers.



### USERS PAYS OR FREE SERVICE

Do You Prefer a User Pays or Free Service (Paid For by Strata)?

83% of respondents indicated a preference for a user pays service while 11% prefer a free service and 6% want a combination.

For the typical building 79% prefer user pays.



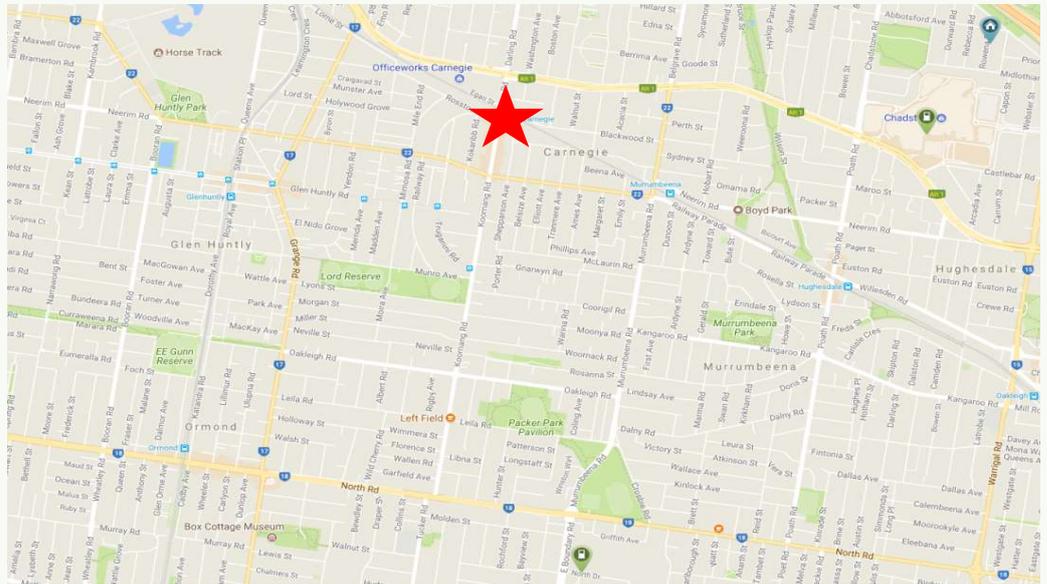
## PUBLIC VERSUS PRIVATE CHARGING

Residents in typical buildings showed low awareness of public charging stations and low interest in making facilities available to the public.

## PUBLIC CHARGING FACILITIES

There are 3 public charging facilities near your building.

Public charging can lead to faster adoption of electric vehicles and may also alleviate the need for charging in your building.

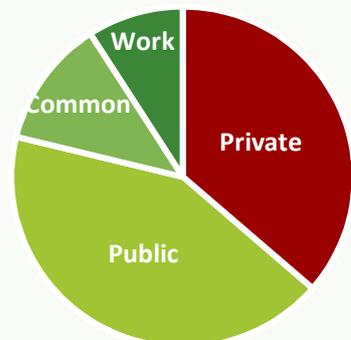


## NEAREST PUBLIC CHARGING STATION

14% of your residents knew the location of their nearest public charging station versus 11% for a typical building.

Respondents that have electric vehicles use private (36%) and public chargers (42%) with few using common area power sockets or facilities at their work.

Do You Know Where Your Nearest Public Charging Station Is?



Charging Behaviour

## CREATE PUBLIC EV CHARGING

3% of your residents where in favour of your building providing a publically available charging facility. This compares with 2% for the typical building.

A public charging facility may be a source of revenue for the owners corporation.

Are You In Favour Of Making Charging Available To The Public?



## COMMENTS & SUGGESTIONS

Survey respondents were invited to provide written comments and suggestions. Long responses may be truncated. You can contact Wattblock for the full transcript.

*"Thanks for the survey... I am seriously interested in developments in this issue."*

*"we own a hybrid prius c which needs/uses no recharging "*

*"Probably too early - wait a few years"*

*'If it is proposed that strata provide the service free of cost to the electric vehicle owners, this would currently be an unfair burden on the residents and owners ( as power prices rise) unless the electricity was provided by a fully renewable source such as a roof top solar system with battery backup. At present this is costly, however may be an option worth investigating as costs reduce. Having a facility for electric vehicle charging will be an asset to the building and owners/residents and add to the amenity of the facility and hopefully will be supported. "*

*'I love the way our we are thinking about the future of our building. Well done to the strata team."*

*"Installation and operational costs (electricity costs and electrical checks etc) should be paid by users and not by strata or strata levies. Perhaps a per user levy on top of strata levy to pay back costs over time?  
power cables support extra capacity for charging? What about off-peak  
How will users pay for power they use? Use identity card for smart billing? Use of extra levy to pay for power for charging?"*

*Will this reduce number of visitor parking places?*

*How will stations be shared? What etiquette? Some stations charge by time car occupies bay (as well as electricity) to discourage long-term parking.*

*Is there a plan to scale out over 10 years (and electric vehicles become more common). Do electric only vehicles get priority over hybrids?"*

*"Support for EV car sharing services in the building would be very welcome."*

*"I am looking to buy a new car but holding of to get a small - medium electric car when charging stations are more available"*

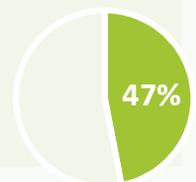
*"Better to be early than late "*

*"Wait for electric cars to become common (if they ever do)."*

*"Utter waste of body corporate time. Install solar panels on roof first"*

*"If the provision of charging facilities may (surely 'will') AFFECT valuation/rentals, I suggest that, at the very least, one or two units be installed in the common area."*

47% of respondents indicated they would like to see the report



The information, statements, statistics and commentary contained in this report have been prepared by Investment Advantaged Software Pty Ltd, trading as Wattblock. Wattblock does not express an opinion as to the accuracy or completeness of the information provided, the assumptions made or any conclusions reached. Wattblock may in its absolute discretion, but without being under any obligation to do so, update, amend or supplement this report at any time. The information contained in this report has not been subject to an energy audit by a certified industry practitioner. The information must not be copied, reproduced, distributed, or used, in whole or in part, for any commercial purpose without the written permission of Wattblock.