

JET Charge builds 3-Councils' public EV charging network in Sydney's east.

Project Summary

Three Eastern Sydney Councils – Waverley, Randwick, and Woollahra (3-Councils) – engaged JET Charge to deliver a future-ready public EV charging network, addressing the needs of a rapidly growing EV community.

Across the three municipalities, roughly half of the residents live in apartments or rent. The 3-Councils needed a public EV charging network that could fit into dense urban streetscapes, provide equitable access, and support their Net Zero commitments.

JET Charge delivered a scalable, future-ready public charging network that overcomes the challenges of dense urban living, with over 80% of Eastern suburbs residents now within an eight-minute walk of a reliable charger - making EV ownership more practical and accessible than ever before.

Client Waverley, Randwick, and Woollahra Councils (3-Councils)

Project Eastern Suburbs EV Charging Network

Here's how we did it

Customer

The Eastern Suburbs of Sydney are experiencing one of the fastest rates of EV adoption in Australia, with nearly 1 in 20 vehicles on the road being an EV. More than 60% of residents live in apartments or townhouses, and over half rent, creating significant reliance on public charging infrastructure. Each Council has declared a climate emergency and is working toward Net Zero.

“In our area, many residents live without off-street parking, so there's strong support for more public EV charging, particularly with one of the highest EV uptake rates in the state. Council's charging network has grown rapidly in response, from 40 charging sessions a month in 2019 to more than 3,000 a month this year...”

Anthony Weinberg, Regional Program Manager - Waverley, Woollahra, and Randwick councils



Challenges

High density areas: Competing demands for limited public space in residential areas made it difficult to secure appropriate charging locations. Installing on-street chargers risked adding to street clutter and creating potential conflicts between vehicles, pedestrians and other road users.

Challenging environments: Several charging sites were located near beaches and exposed to harsh weather conditions. Hardware needed to be durable, weather resistant and fit-for-purpose to ensure reliable operation over the long term.

Live upgrades: The project to date has spanned more than 40 sites, each with different power requirements, site constraints and installation challenges.

Minimal downtime: The 3-Councils required a solution that allowed for ongoing monitoring of hardware to detect faults and reduce downtime of public chargers.

Seamless user experience: The 3-Councils needed a way to provide simple, equitable access to charging while maintaining the flow of payments for electricity costs.

Solution Implementation

With more than half of residents renting or living in apartments, the 3-Councils prioritised solutions that could service drivers without off-street parking.

A mix of charging options were used to achieve this. AC chargers were installed on streets to support 24/7 charging in high-density residential areas. DC fast chargers were placed in high-traffic community spaces such as parks, golf clubs and sports grounds, where people could top-up during short visits. In Bondi, the 3-Councils also trialled one of NSW's first EV-ready streets – embedding chargers directly into specialty light poles on Glenayr Avenue and Curlew St, so residents could charge where they park without adding visual clutter or reducing valuable road space.

Because some chargers were connected to community sites that have existing electricity loads that could fluctuate, particularly on weekends, JET Charge CORE was deployed to load manage energy use across chargers and maintain managed service during peak times.

Ensuring reliability was equally important. To build trust in the network, the 3-Councils adopted JET Charge Assist, which provides real-time monitoring, proactive maintenance and rapid issue resolution to reduce outages and maximise uptime.



Finally, to provide a seamless experience for residents, the network was integrated with Chargefox, enabling drivers to pay for their charging through the app, while automatically managing remittance between users and the 3-Councils. This approach removed any administrative burden, ensured cost transparency and delivered a straightforward experience for both drivers and the community.

Outcome

The 3-Council network has now grown to over 52 chargers since 2019. The Eastern Suburbs is easiest place to drive an EV, with around 80% of residents now living within an eight-minute walk of a public EV charger.

The technical stuff

So far there have been

- 9 x 7kW AC ChargeMate ports
- 10 x 22kW AC ChargeMate ports
- 14 x 22kW Schneider EVLink Pro AC Ports
- 34 x 22kW Schneider EVLink ports
- 1 x JET Charge CORE Load Management System (on-premises)
- 6 x 50kW DC Autel Maxicharger - dual CCS2
- JET Charge Assist Asset Management
- JET Charge Illuminate

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