

Current NZTA work in Charging Infrastructure

The original EV Programme directed NZTA to develop a vision for a nationwide network of public charging infrastructure, and maintain a comprehensive oversight. This was delivered 2017, and ongoing work in the area includes:

PCI Guidance – operational policy.

Monitoring of development of the network (standardisation, actual coverage and utilisation).

Maintaining close ties to industry stakeholders (through PCI forum etc.) and engage on coverage rollout and troubleshooting.

Making NZTA land available for EV charging.

Situation monitoring of heavy vehicle charging – in particular Buses.

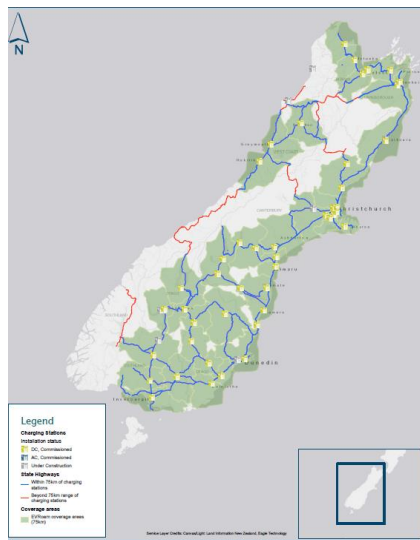


Charging Infrastructure

Current vision:

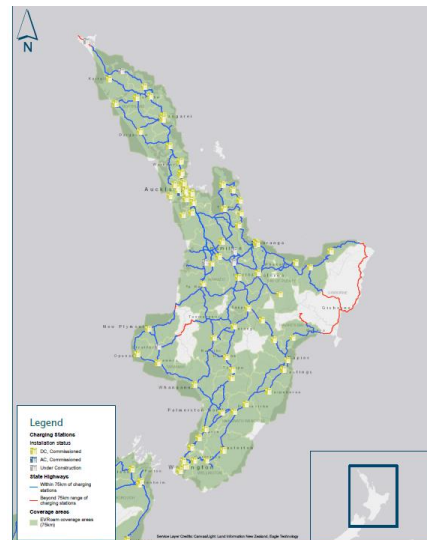
Nationwide coverage of fast/ rapid DC charging stations every 75kms across our state highways.

Vision was always to be reviewed once achieved – this considered to be in action by NZTA.



EVRoom charging stations

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EVRoom charging stations

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89.19% coverage of state highways.

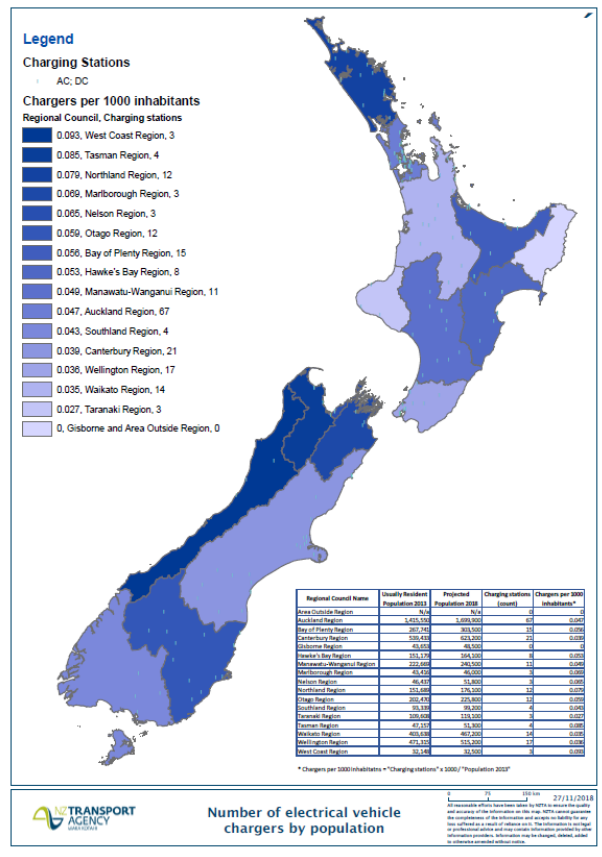
Total 168 chargers (including under construction).

Coverage of the West Coast of the South Island is being addressed in conjunction with the roll out of broadband coverage in remote areas.

**These maps exclude around 10 chargers that do not meet guidance / are yet to integrate with EVRoom in the East Coast Area.*



Application in strategic Interventions



With a single data set we have many ways to address coverage goals:

Population.
EV registration.
State highways / ONRC...



Heavy Vehicle Fleets

Potential challenges and interventions

Bus requirements



Open Protocols

Network upgrades



Demand management

Modelling – C40



PT planning