



EV Management

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Network Operations Manager

November 2019

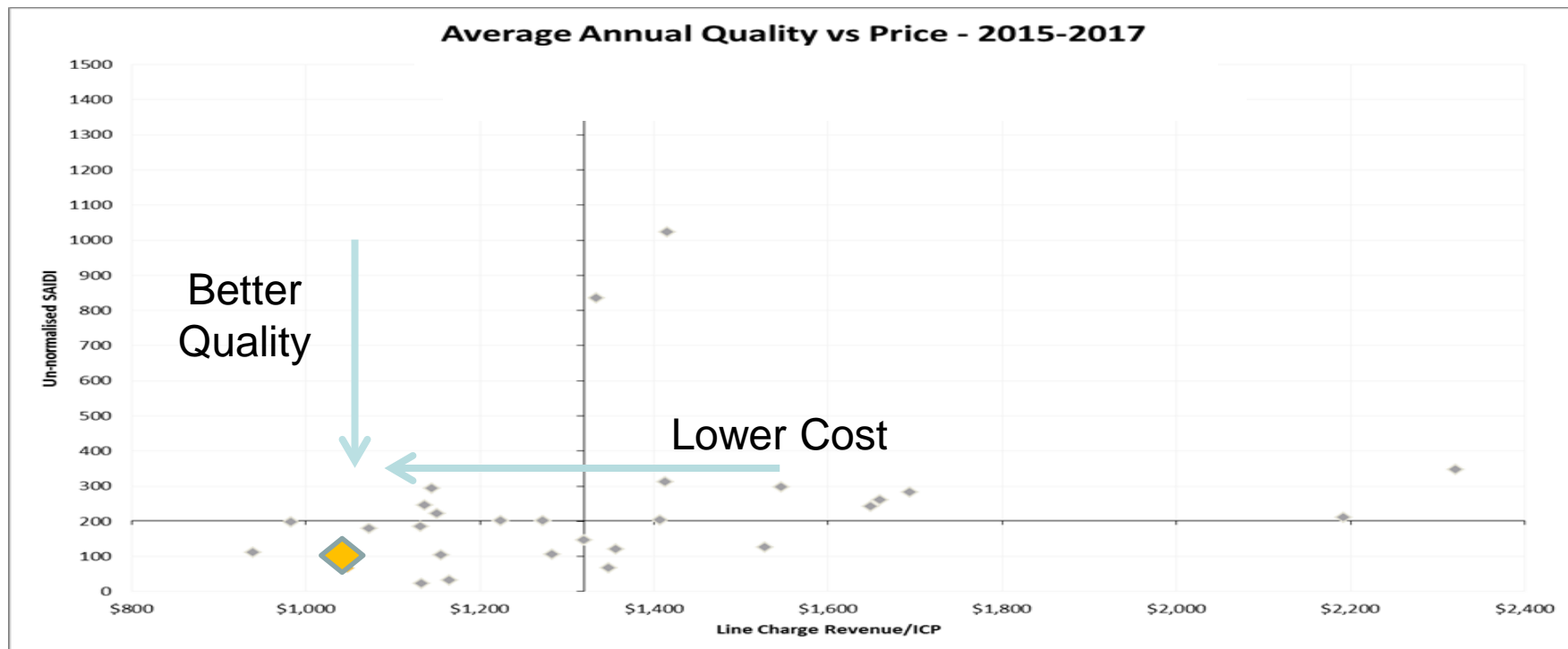


Greater Wellington Network

- NZ 4th largest EDB
- Safe, Reliable, Cost effective
- 400k People
- Early Adopters



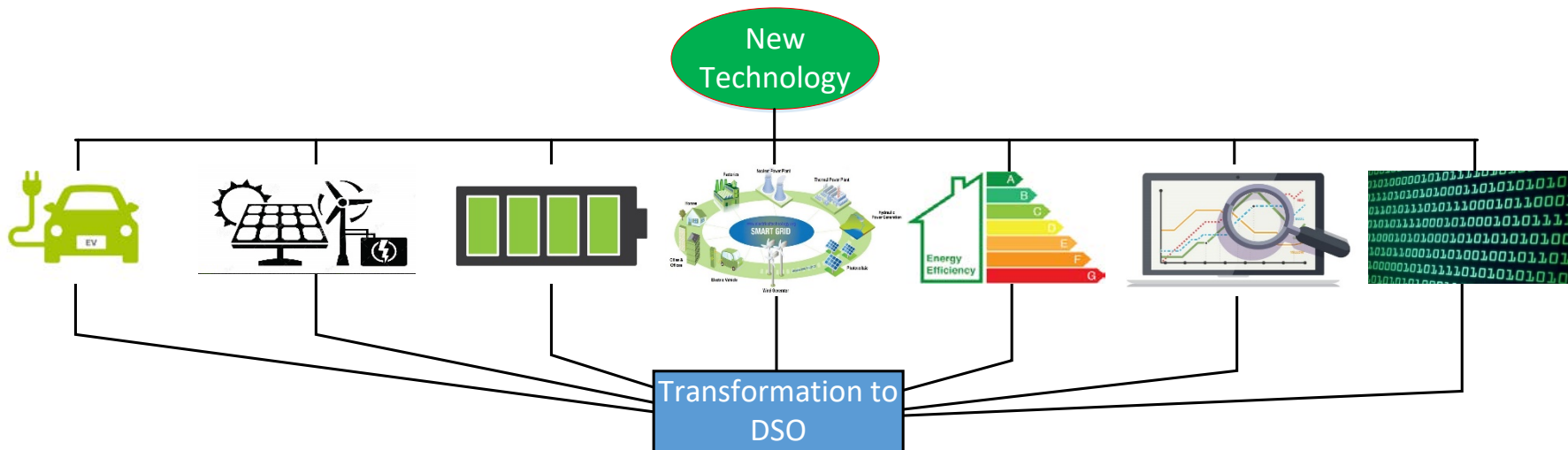
Cost Quality



CKI – Distribution Companies







DSO

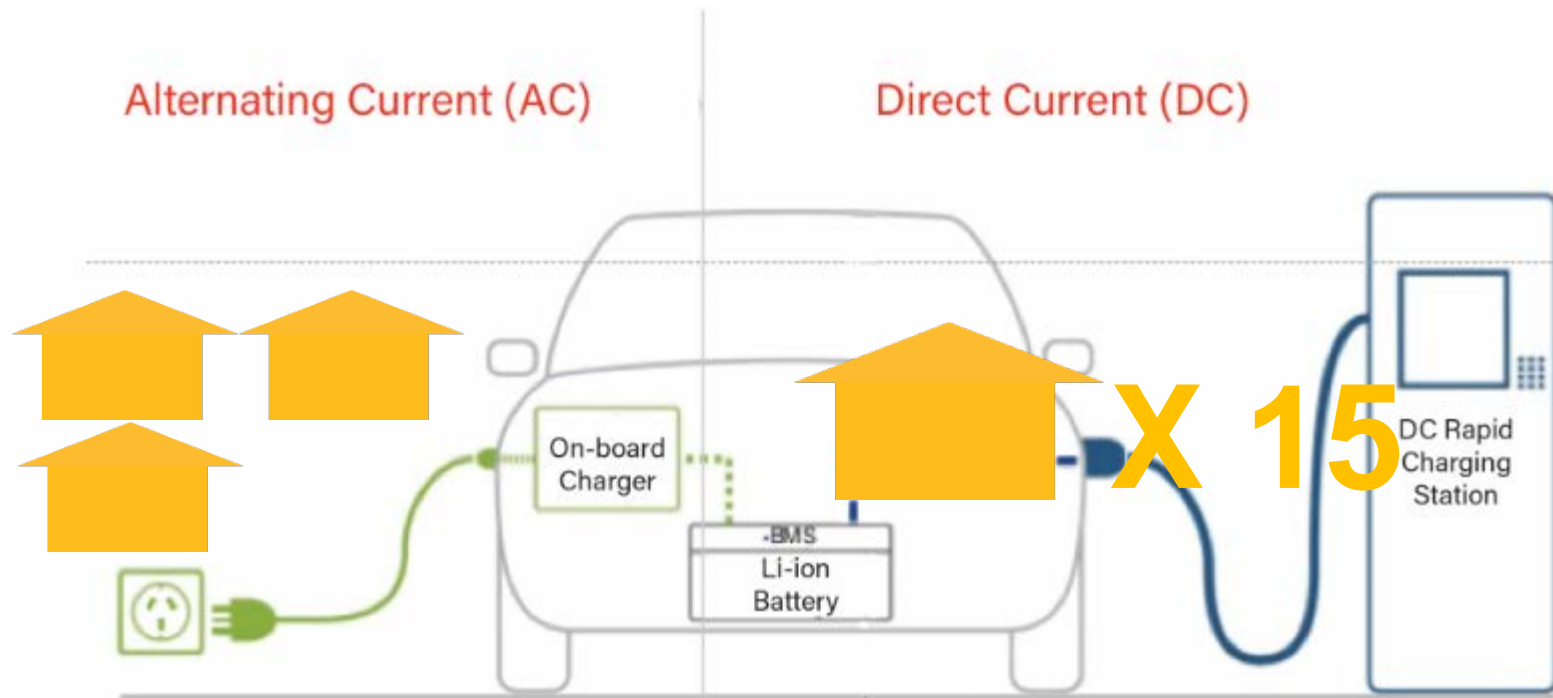


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EV Uptake



AC versus DC Charging



(ChargeNet.NZ)

And the Bus?



↑ X 130

2018

2019

2020

2021



64,000

EVs on the road in NZ by 2021

35%

Average residential electricity demand
increase from EV charging

EV uptake in Wellington

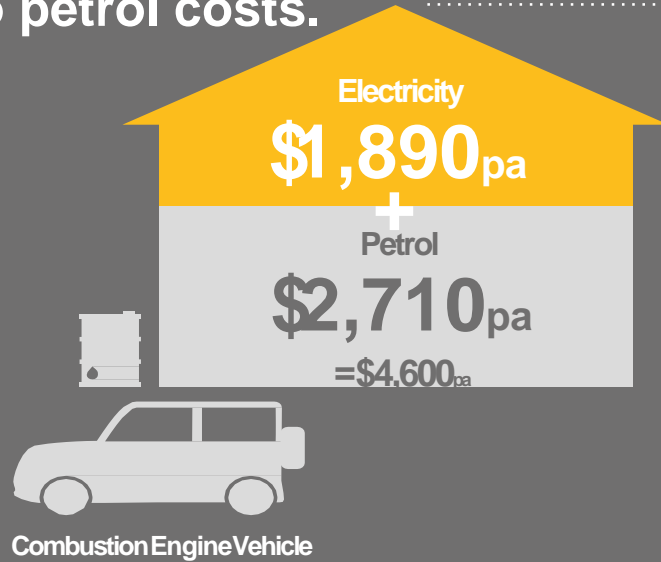


EV charging will increase average residential demand by approximately 2,500kWh, equal to 1/4 - 1/3 of annual residential electricity consumption, or:

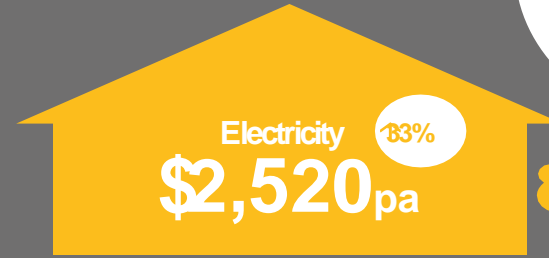
10  **for 3 months**



*33% increase in
estimated average
annual residential
electricity consumption
for EV owners is offset
by zero petrol costs.



Saving
\$2,080_{pa} =



Electric Vehicle

45%
reduction in
household
energy
costs

3

London Calling



Already experiencing the effects of the “New Decentralised World”



EV Trials



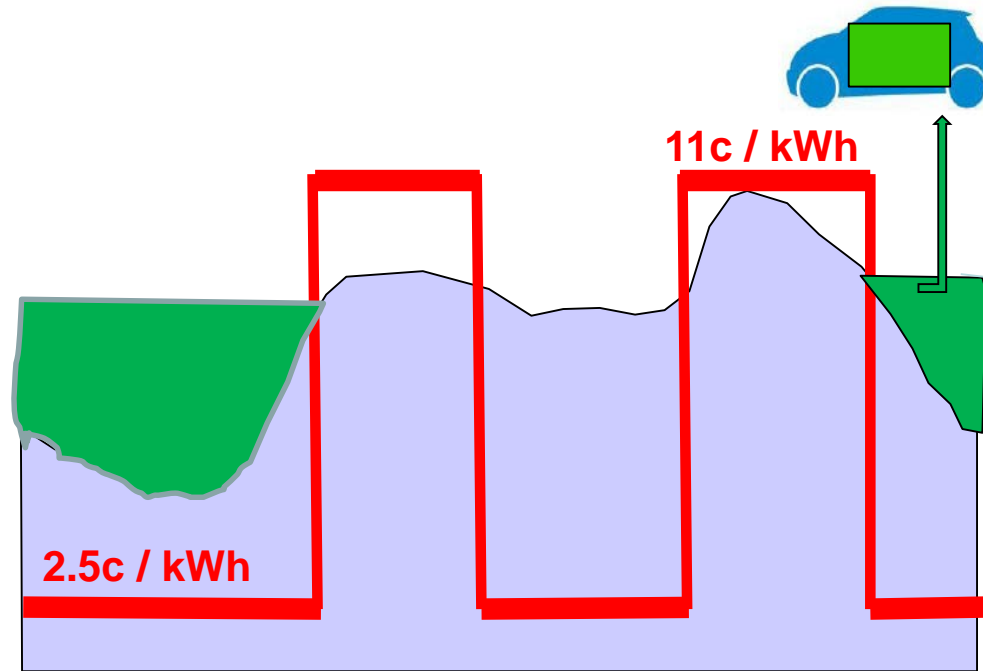
4

Reducing the Impact



Collaboration



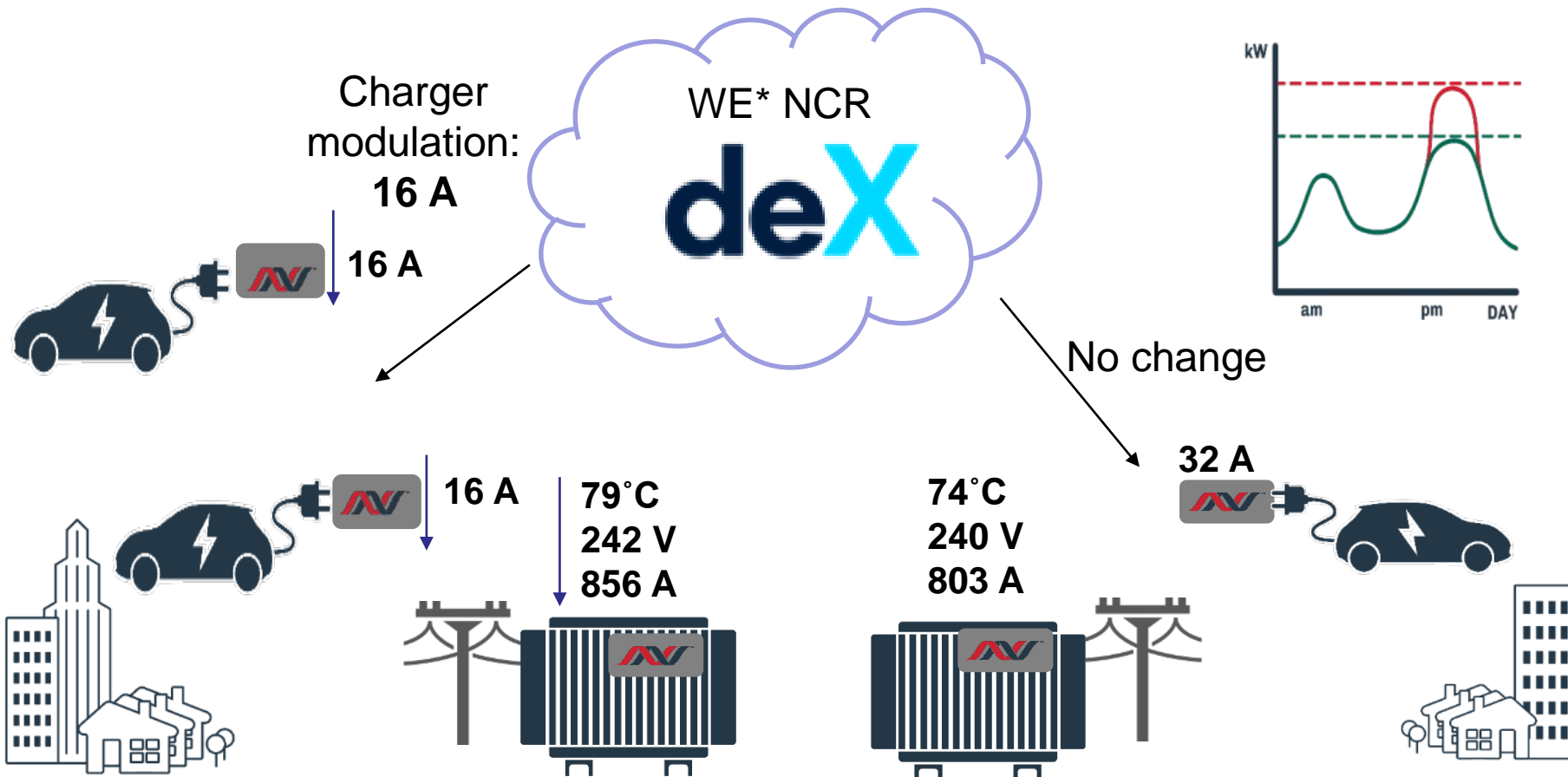


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Modulation of EV chargers



**90% of EV's will charge at home:
Where are they located?**

love to hear your questions?