ecotricity

Accelerating NZ's Path to 110% Renewable Electricity by 2035

CEP Conference
2025

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TOITŪ CLIMATE POSITIVE ISO 14064-1 ORGANISATION

WE'RE ECOTRICITY

NEW ZEALAND'S FIRST & ONLY TOITŪ CLIMATE POSITIVE 100% RENEWABLE ELECTRICITY

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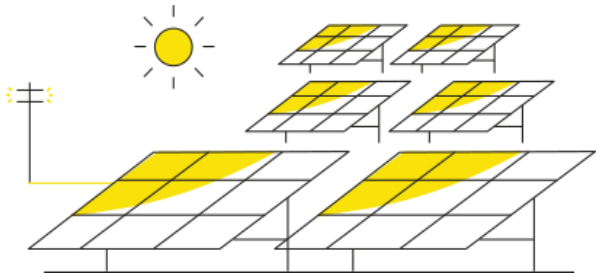
Our Energy

SOLAR POWER



Solar Farms and residential, commercial customers solar export.

30 x National average of solar
80% of our customers have solar

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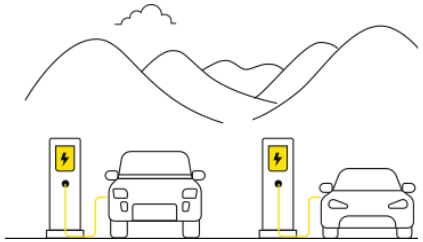
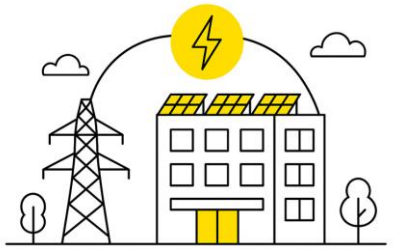
ELECTRIC VEHICLES



Promoting EVs to the NZ market through our YouTube channel. ChargeNet and Tesla networks.

CUSTOMER NETWORKS

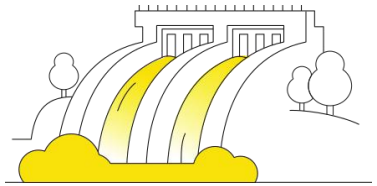


Enabling solar into multi tenant sites..

BATTERIES

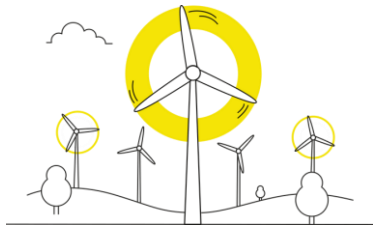
Virtual power plant for residential through to industrial scale.

HYDRO POWER



Tekapo A & B hydro dams, and Tongariro (Rangipo & Tokaanu) power schemes.

WIND POWER



One of the largest wind farms in NZ

OUR MISSION: ACCELERATE THE RENEWABLE FUTURE OF NZ

100% RENEWABLES BY 2030
110% RENEWABLES BY 2035

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NZ ENERGY LANDSCAPE

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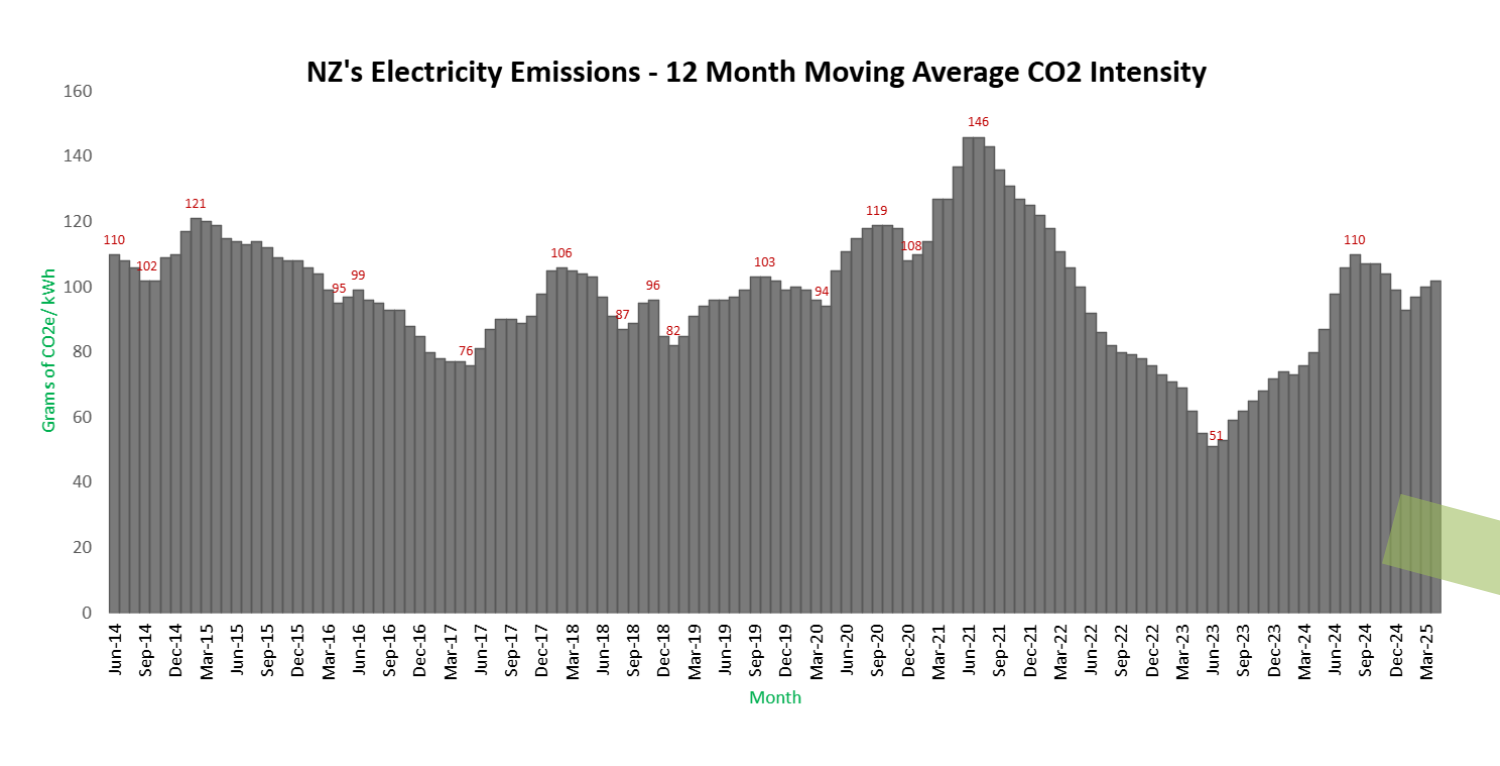
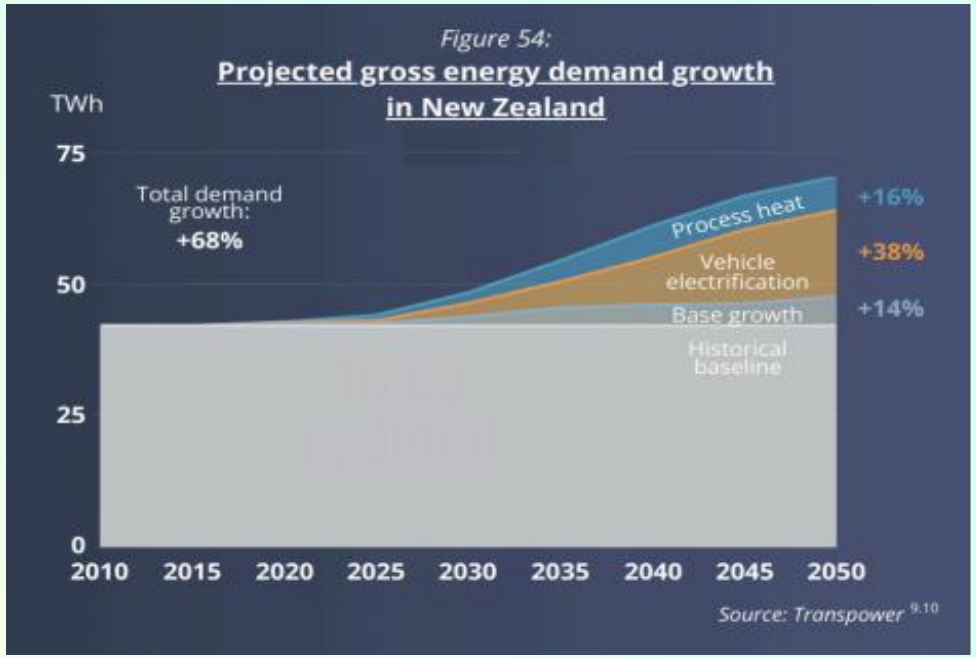
Current Electricity Profile in New Zealand

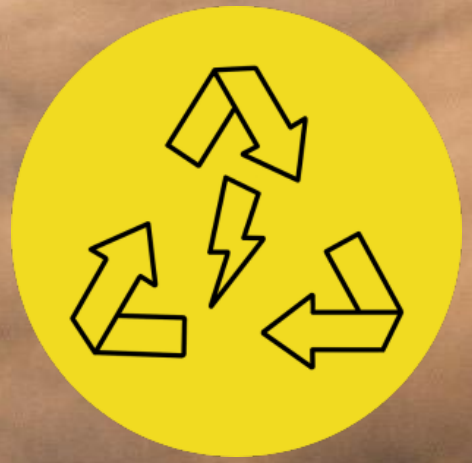




100%

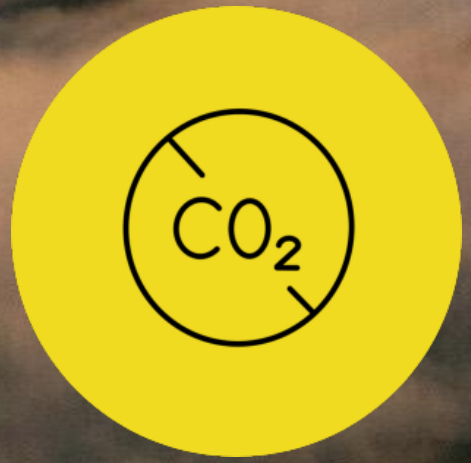
Renewables

Why 110% is the Right Path Forward



Energy Security

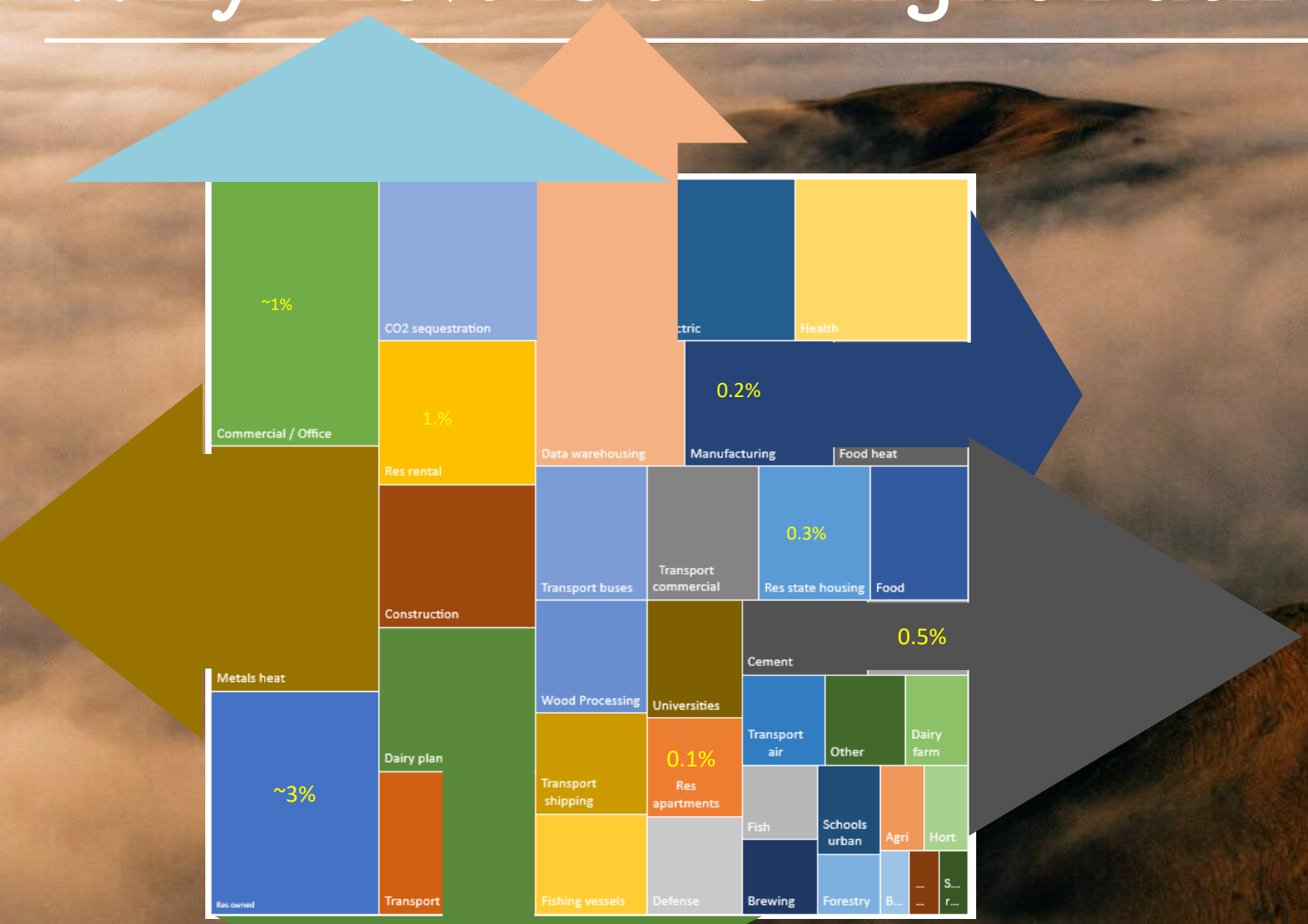
Lower Energy Prices



Decarbonisation + International Leadership

Climate Resilience

Why 110% is the Right Path Forward



Low Energy Costs
=
New Economic Growth
=
Re-industrialisation

Why 110% is the Right Path Forward

GAS RESERVERS

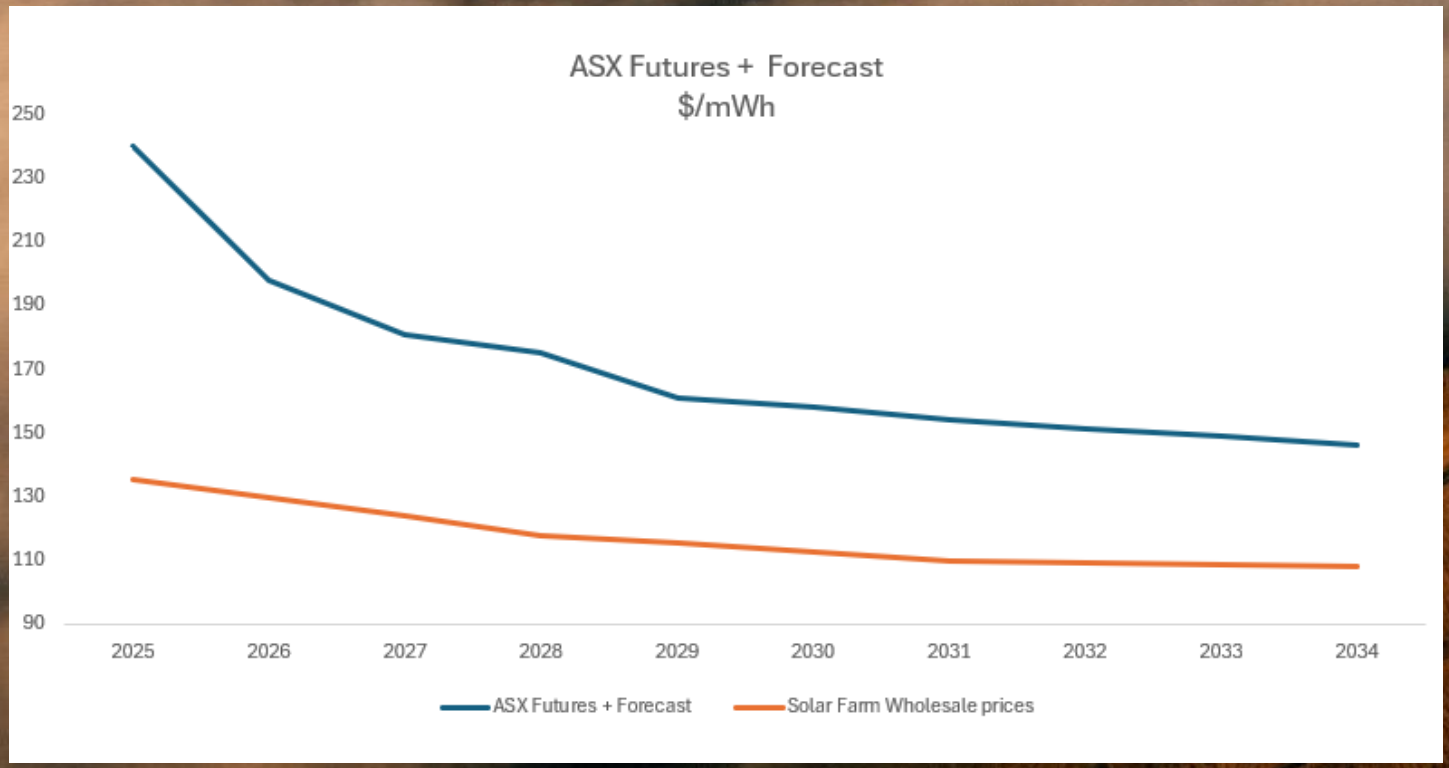
Jan 2025 = 8.5 years
Mar 2025 = 5.5 years

GONE-BURGER
GAS PRICES RAMPING

Your customers need SOLUTIOMS more than ever to EXIT GAS

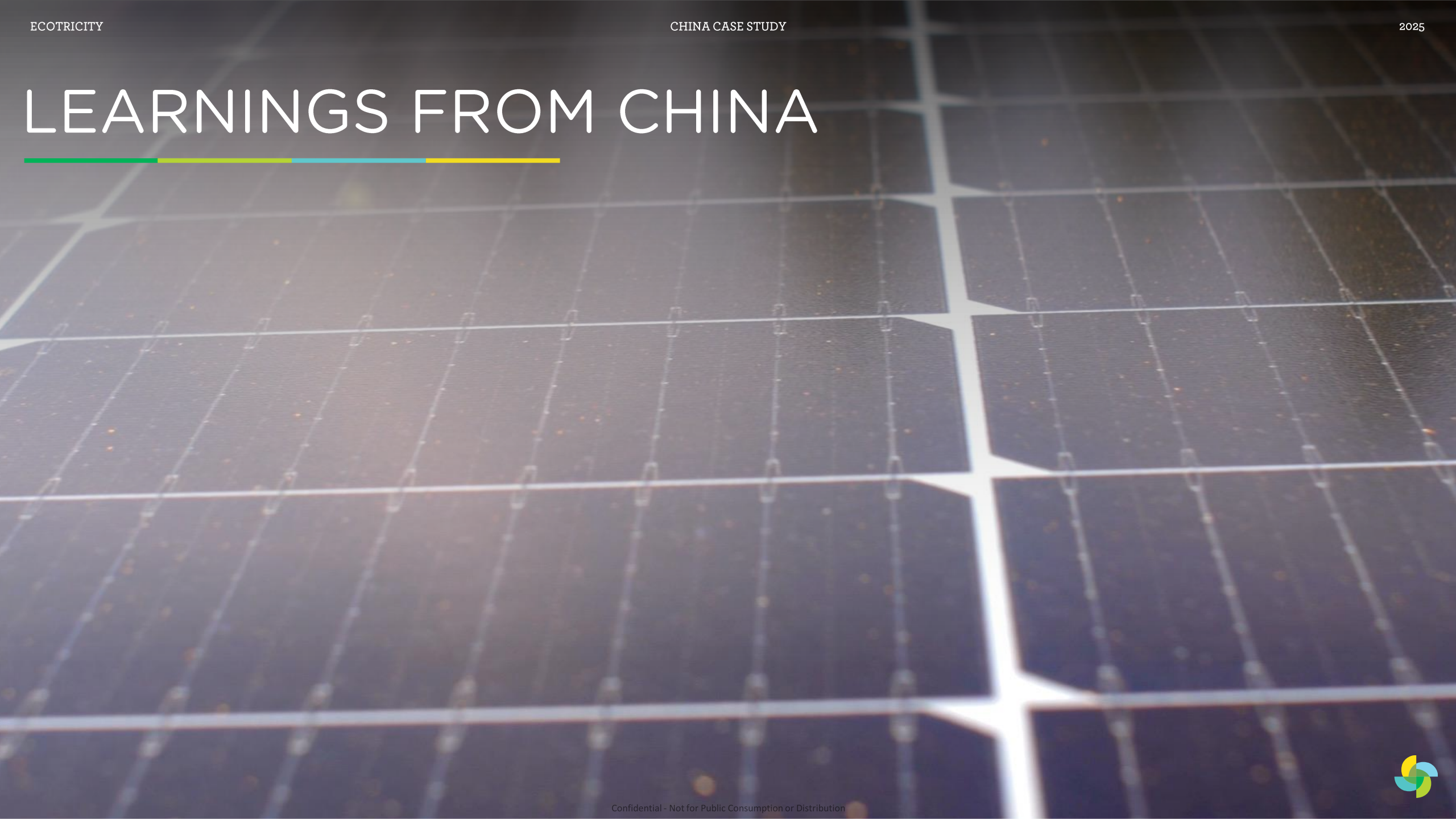
Why 110% is the Right Path Forward

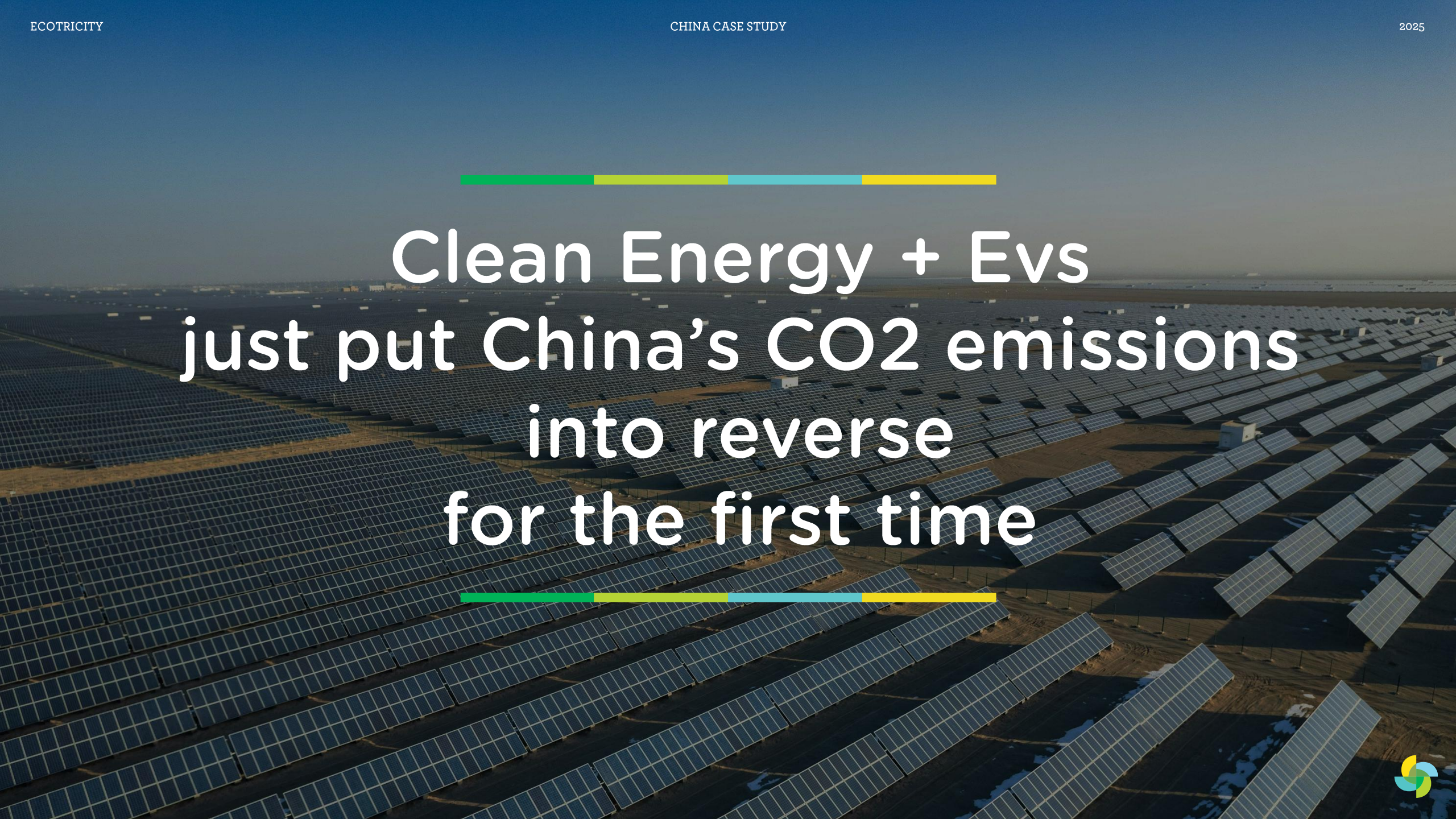
Energy Prices are dropping



Electrify everything

LEARNINGS FROM CHINA



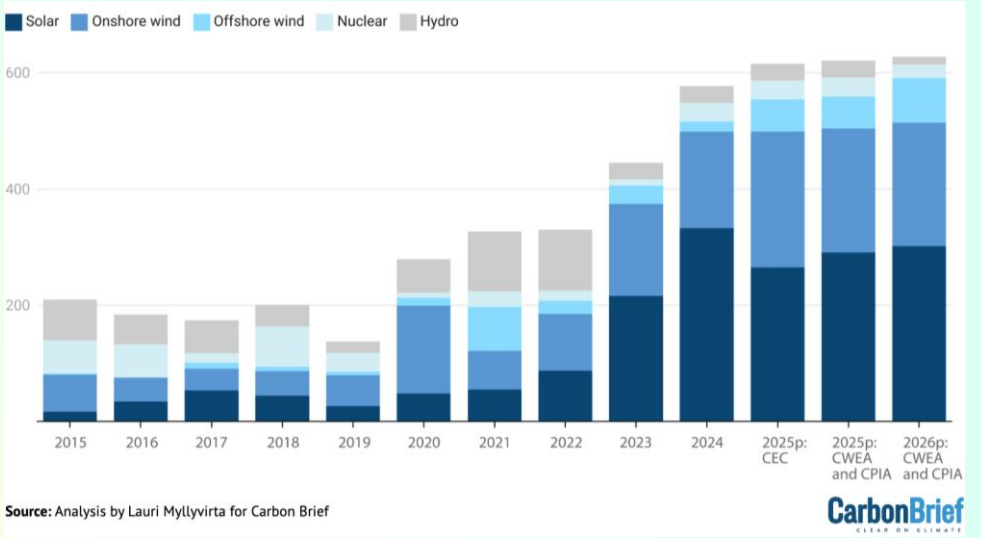


Clean Energy + Evs just put China's CO2 emissions into reverse for the first time

New renewables outpacing demand growth

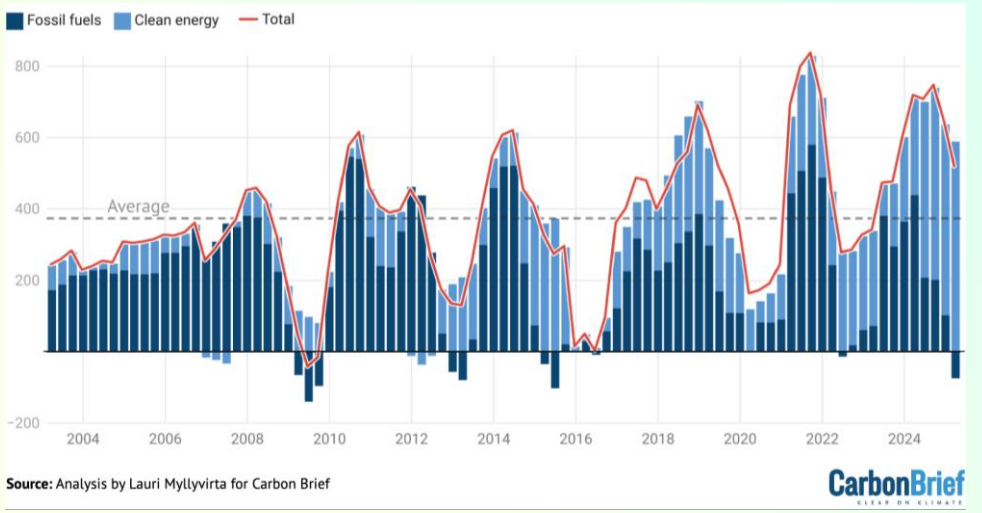
Clean Generation at Record Levels

Additional electricity generation from new clean power capacity is expected to remain above last year's record-breaking levels in both 2025 and 2026.



Fossil-Fuel Power on the Decline

Growth in clean power generation in the first quarter of 2025 was greater than the rise in demand overall, driven by increases in solar and wind capacity, and is displacing fossil fuel use in the power sector



EV market share April 2025

Norway	97%
China	52%
Global	30%
NZ	10%

We have a unique opportunity to lead globally in renewable energy, attracting investment and setting an example for the world.

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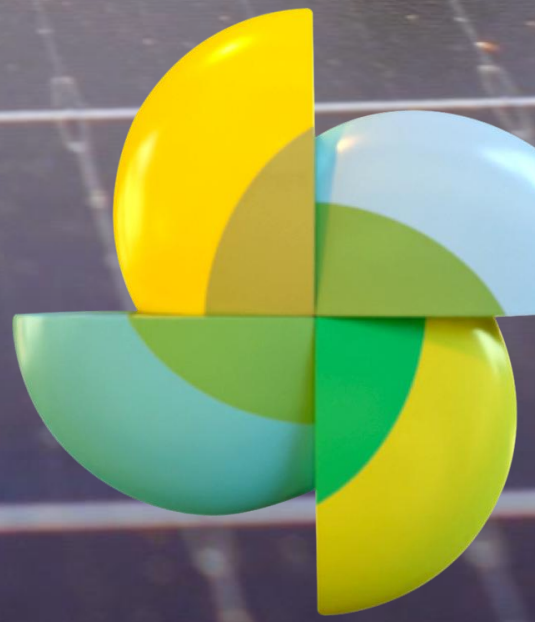
KEY ENABLERS FOR 110% RENEWABLES NEW ZEALAND CONTEXT



Solar Baby Solar!

… and EVs … and Batteries

7,500 MW **NZ current** capacity 2024

5,000 MW **NZ new** capacity required 2035

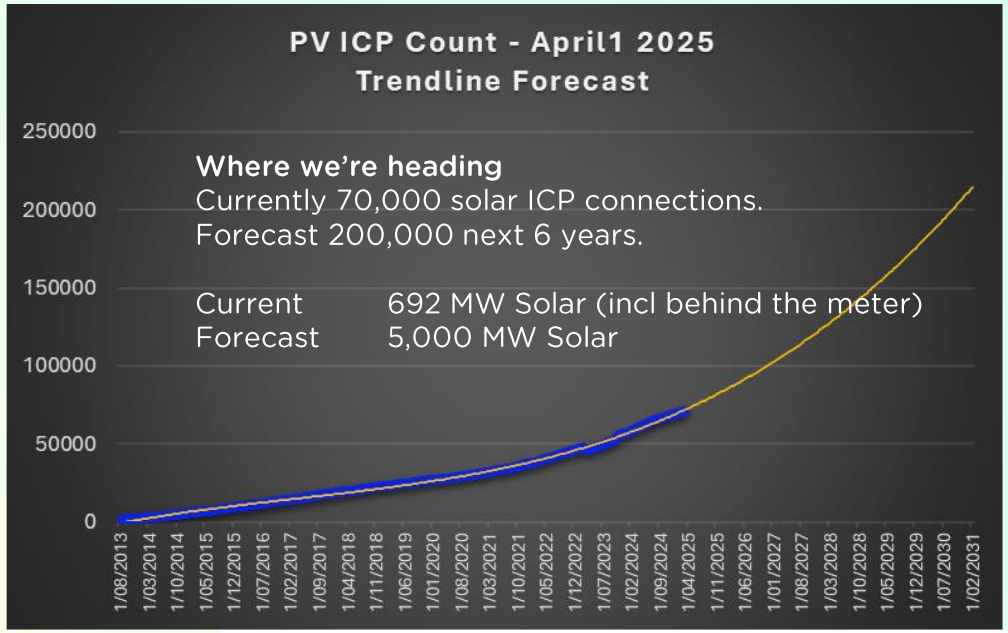
Your brand here

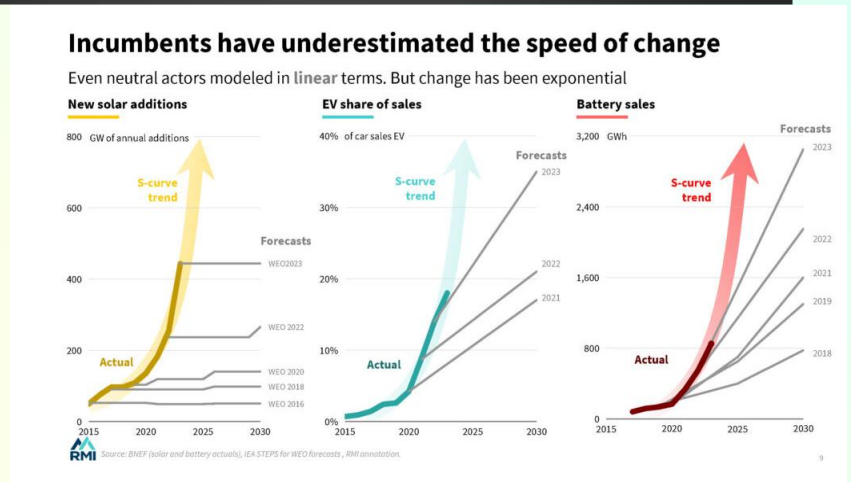
500MW

new renewables **every** year for the next **10 years**

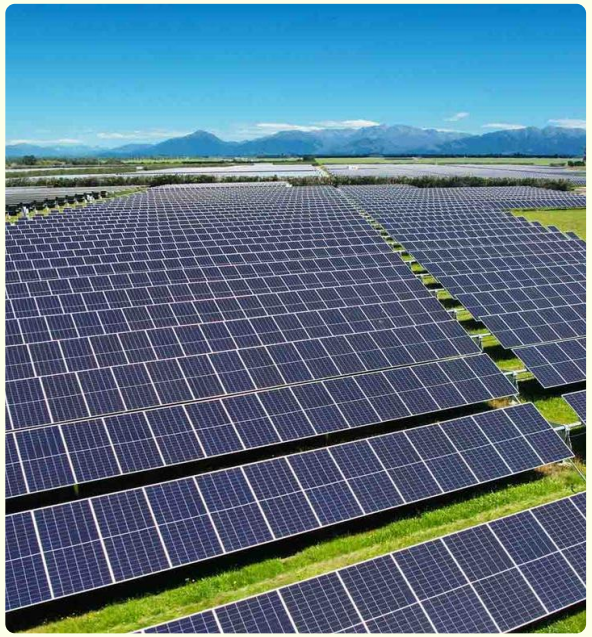
700 MW

new renewables **being delivered 2025/2026**
currently 2





In other good news .....



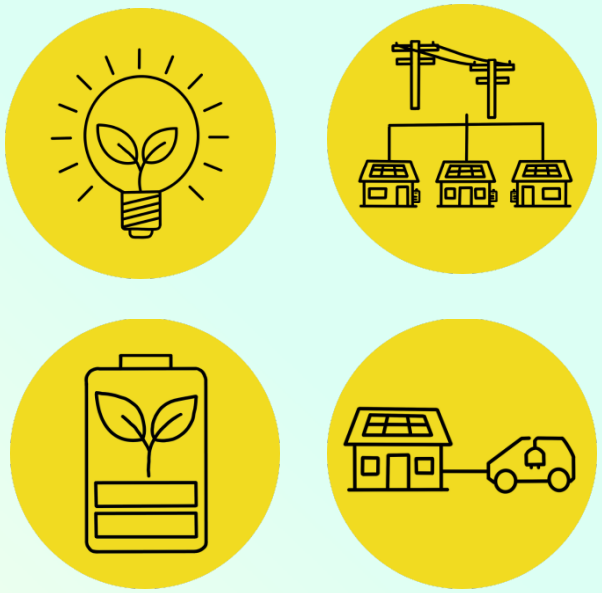
Grid scale solar 1 - 500MW
Multiple projects coming online each month.

Long run marginal costs on par or better than wind.

Huntly biomass becoming reality
Multiple production plant of biochar in the works throughout the North Island.

Huntly will technically become one of the most carbon positive plant in NZ.

More Wind & Geothermal
More binary geothermal and wind projects adding significant capacity to the grid.



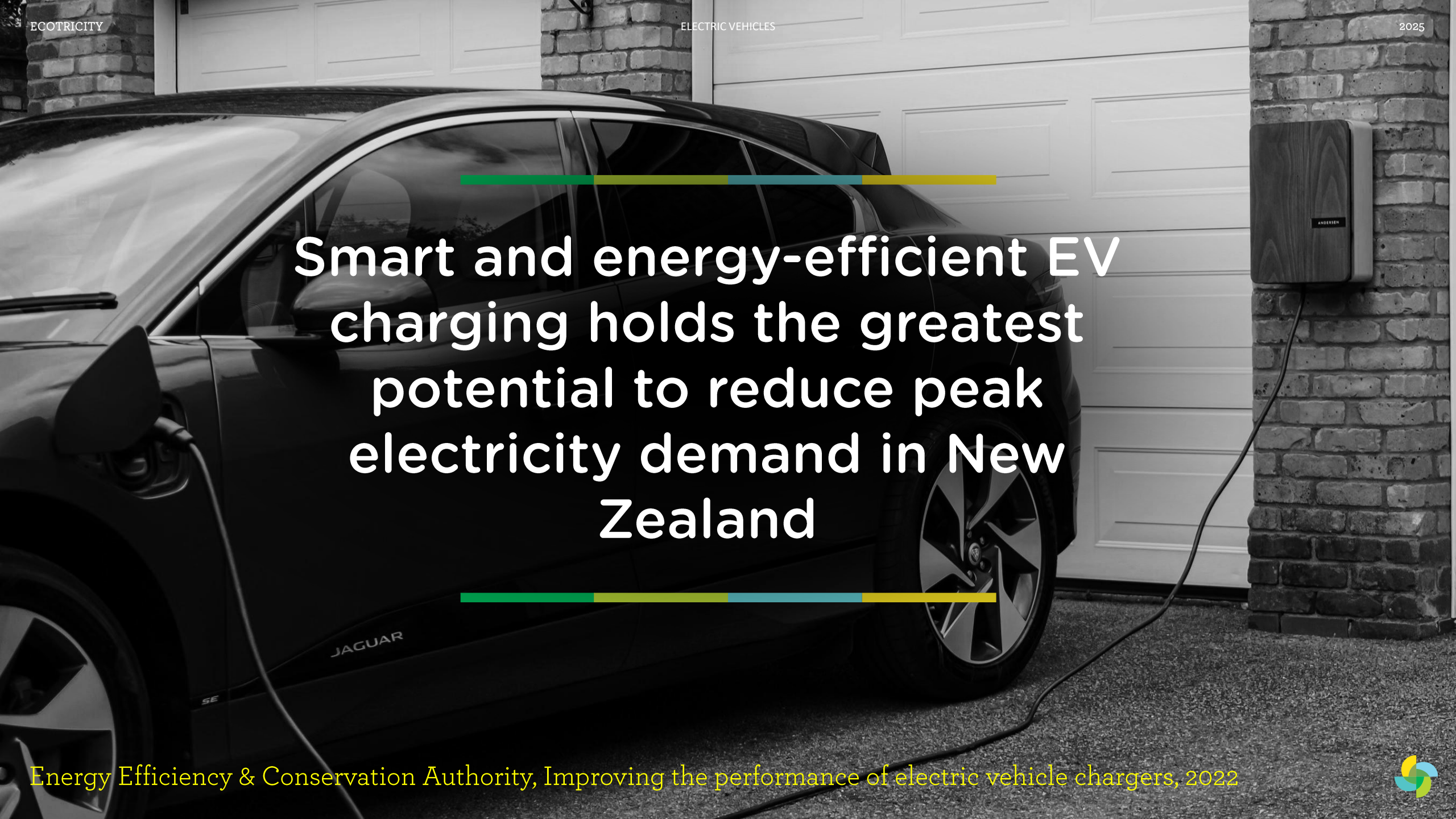
Renewable Energy innovation
Innovation is opening up new technologies with prices rapidly decreasing.

Solar	5,000 MW	2030
Batteries	600 MW / 1,000 MWh	2026
V2G	1,200 MW / 5,000 MWh	xxxx?
HWC trials	on / off + temperature control	

More capacity = grid resilience

THE ROLE OF EVs

Decarbonising the sector



Smart and energy-efficient EV charging holds the greatest potential to reduce peak electricity demand in New Zealand

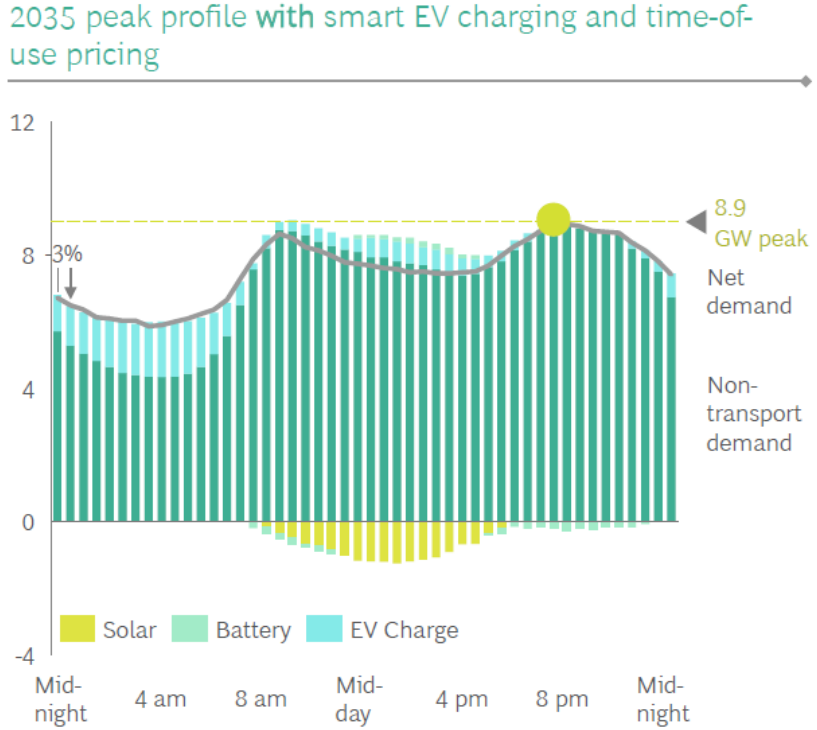
Energy Efficiency & Conservation Authority, Improving the performance of electric vehicle chargers, 2022

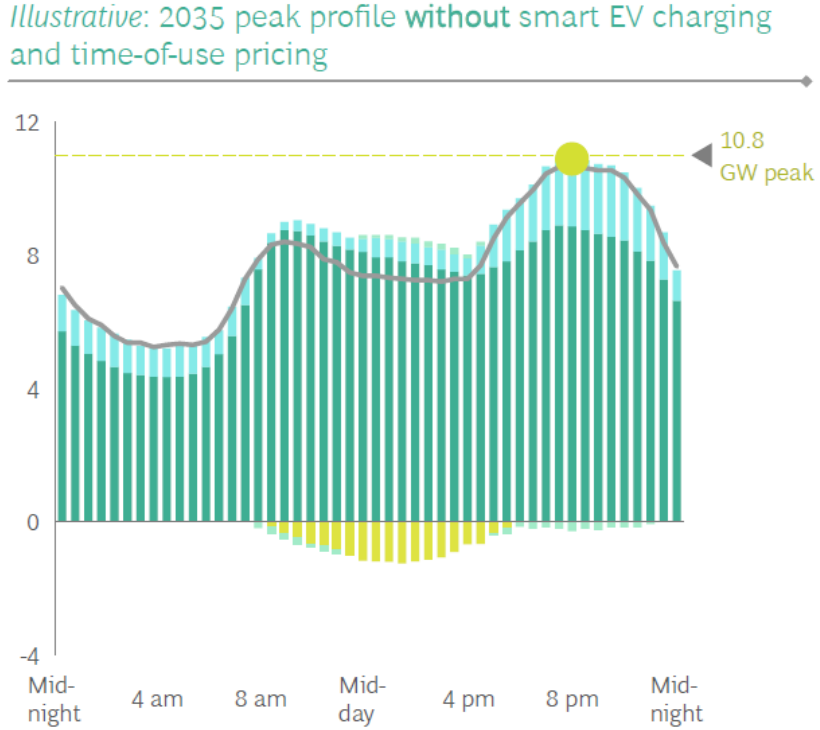
EV smart charging could save NZ close to $3 billion by 2035 .... or 2030?

2GW Peak Demand Reduction

By using smart chargers and batteries, peak demand can be reduced by around 2 GW. That's more than twice the output of Lake Manapouri hydro power station!

For every GW of peak demand saved, around $1.5bn in generation, transmission and distribution investment can be avoided.



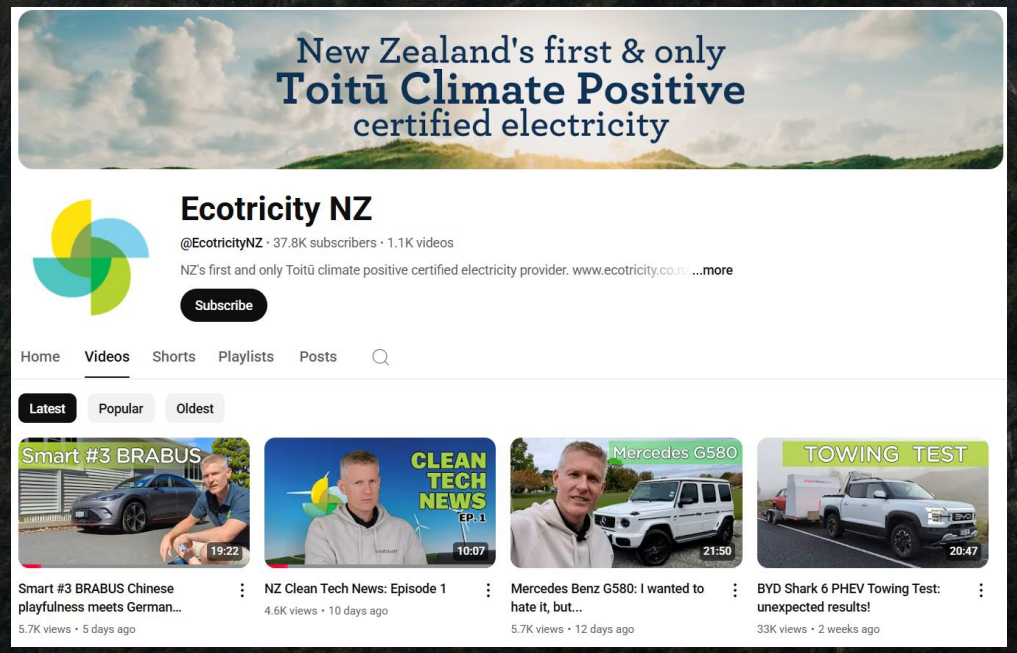


Source: Transpower

New Zealand spends approximately $8-9 billion annually on fossil fuel imports

Let’s make it homegrown from solar + wind

ANY QUESTIONS?



Check out our latest EV and Solar videos