





#### MY BACKGROUND









FINANCIAL REVIEW

#### - Exclusive

## SEEK moves to strengthen graduate offering with GradConnection acquisition

2



Online jobs classifieds and services business SEEK has acquired graduate job marketplace GradConnection in a move to target young jobseekers finishing up their education.

The acquisition, to be announced on Tuesday, will have SEEK buy 100 per cent of the Sydney-based start-up for an undisclosed sum.

GradConnection was launched in 2008 by three New Zealanders, Mike Casey, Dave Jenkins and

#### **RETURNING TO AOTEAROA**





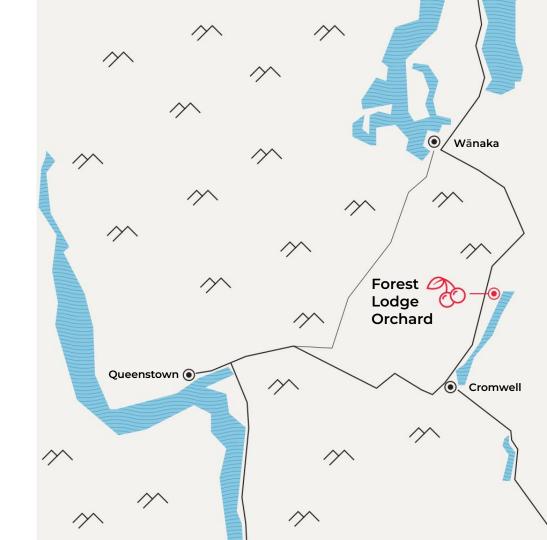






#### MT PISA





## Plant a cherry orchard

• 9300 trees (25km)



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- 80T of cherries at full production



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- ~60T of carbon from diesel use



## Bottom Up Climate Action

20 Machines. 60Ts of emissions.

#### Farm

- 2 Frost Fighting Fans
- 2 Irrigation Pumps
- Solar
- Batteries
- Golf Carts x 2
- Lawnmower
- Tractor
- Forklift
- Ute
- Car (x1)
- Power Tools

#### Household

- Hot Water Heat Pump
- Heat Pump
- Induction Cooktop
- Car (x1)
- Solar
- Batteries







## Payback on diesel price

Electric \$881,590

Diesel \$431,665

Additional Cost \$449,925

Grants \$141,030

Energy Savings \$30,684

Market Payback 15 Years

Payback with Grant 10 Years

Carbon Saved ~60T

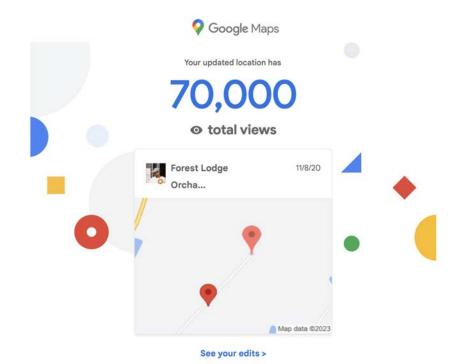
Every 50c increase in cost per litre of diesel takes a year off payback.







## The Traction



#### Your update is helping in a big way

You changed the location of Forest Lodge Orchard which has now been seen over 70,000 times. Thanks for making such a valuable edit to the map.

Contribute more







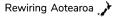






# OF VISITORS

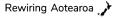
## Approximately 10,000 visitors in 3 years





#### **SPEAKING EVENTS**

## Over 50 speaking events in the last 12 months



2023.
Then things exploded.



### And we didn't stop there



## New Zealand's first electric tractor is here, but how does this line up with conventional farming?



New Zealand's first electric tractor arrived from California this week to a cherry farm just outside of Cromwell, Central Otago.

1 month ago



#### Cromwell orchard launches New Zealand's first driveroptional, fully electric tractor



The MK-V Monarch tractor - the country's first driver-optional, fully electric tractor - was launched in Cromwell on Saturday.

1 month ago



#### <u>Cherry grower brings one of country's first electric tractors to</u> Cromwell



This week Cromwell cherry grower Mike Casey has been using his new tractor to power an espresso machine and a toasted sandwich maker for...

1 month ago

Mewstalk ZB

## The first electric tractor has arrived in the country and is being trialled out

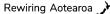


How do you feel about electric tractors? The first one arrived in the country this week and Forest Lodge orchard owner Mike Casey has been...

1 month ago







### Country Calendar Appeared October 8th, 2023

## COUNTRY CALENDAR





## Political Interest











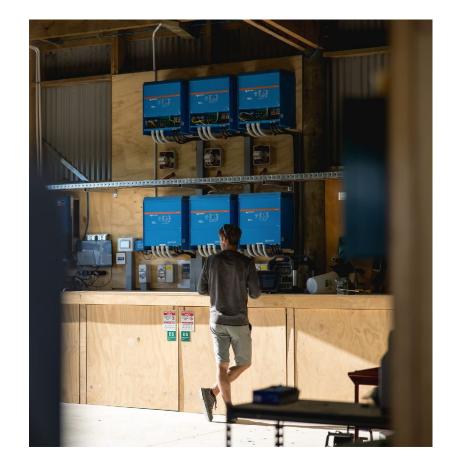
How can we scale electrification nationally?



### Win the economic argument

- Save \$50,000 per year
- \$50k expected profit per hectare
- 16% increase in profit margin.

And an added bonus is we save 60T of emission on the farm and 10T of emissions in the household.



## SEANZ Case Study



Machinery 10 Years

• Or 15 years without grants



Solar Panels 10 Years

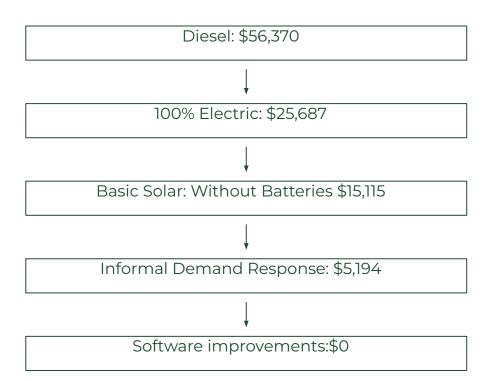
- 45 kW
- 30c to 6c per kWh



Batteries 13 Years

- 120 kWh
- 6c to 4c per kWh
- Resilience
- 75% lower line charge

## Farm Energy Costs

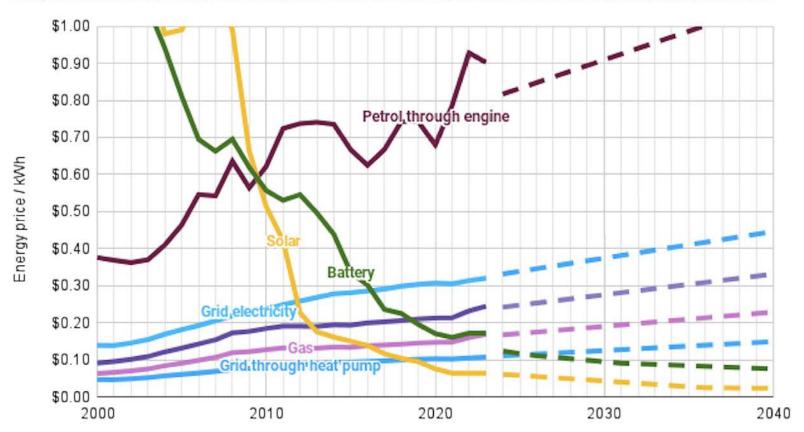




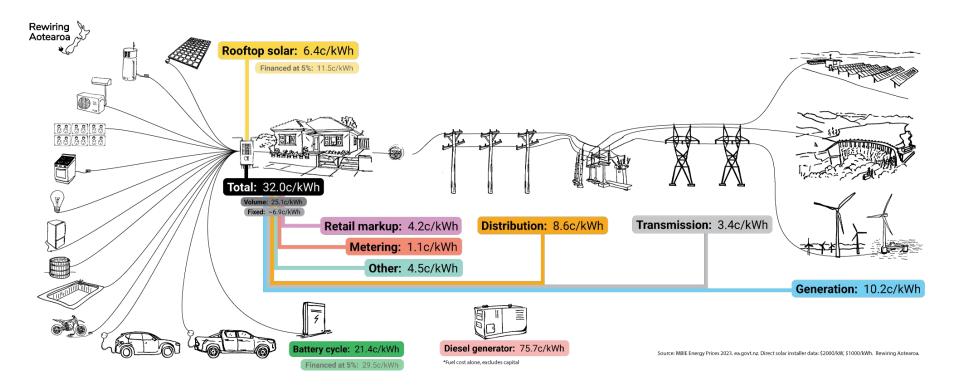


#### Cost of energy per kWh with CPI, energy productivity, and predicted costs.

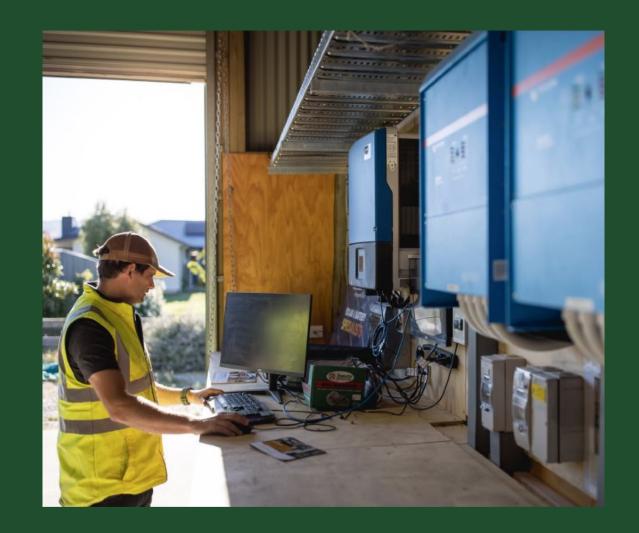
Rewiring Aoleanoa, Stats NZ Quarterly C P1 His long 2023, MB IE Energy Prices 2023, NREL forecast, Micah Ziegler and Jessika Trancik (2021), Petrol productivity 0.3, Heal pump 3.0. Rest 1.0.



#### **APPENDIX 4D**

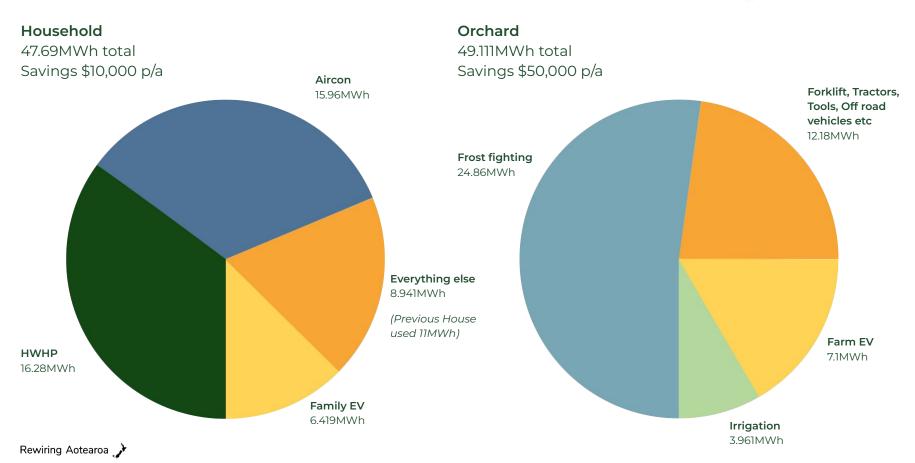


## Can the grid handle it?

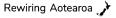


## Consumption Breakdown



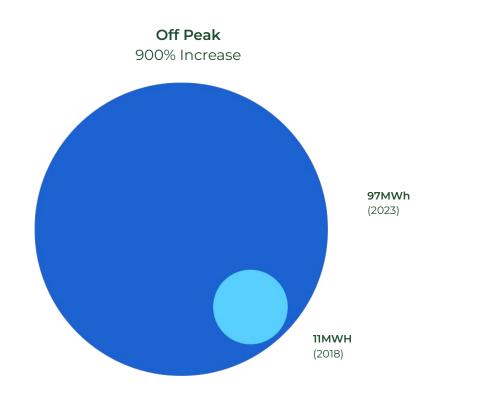


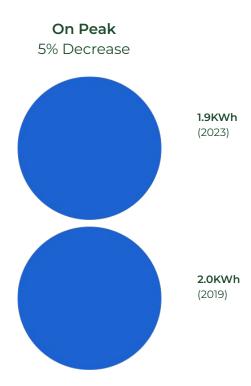
## We have increased our electricity consumption 900%. Is that scary?



## **Smart Electricity Consumption**

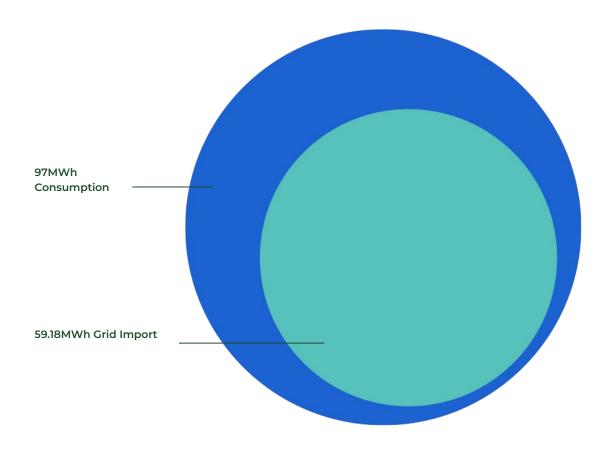
No distribution or transmission infrastructure investment required to support my orchard or household electrification.



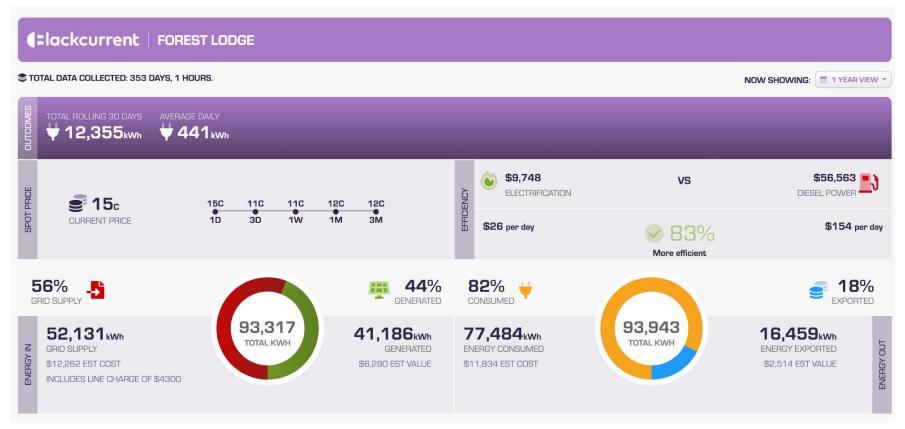


## Rooftop solar benefits

• 40% decrease in grid take



## https://forestlodge.energy/



If we electrify every fossil fuel appliance and machine in the world at its natural end of life we will keep global warming to 1.8C

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- But we want 1.5C

If we electrify every fossil fuel appliance and machine in the world at its natural end of life we will keep global warming to 1.8C

- But we want 1.5C
- We keep buying new fossil fuel machines

We need to make sure everyone's next purchasing decision is electric.



# Let's make a whole heap of world firsts

