

DER value sharing: What does it mean anyway?

CONSORT Bruny Island Battery Trial: ARENA insights forum Nov 2018



Trial on a page

ARENA funded

Under Research & Development round

3 year research/2 year trial (2.5 years complete)

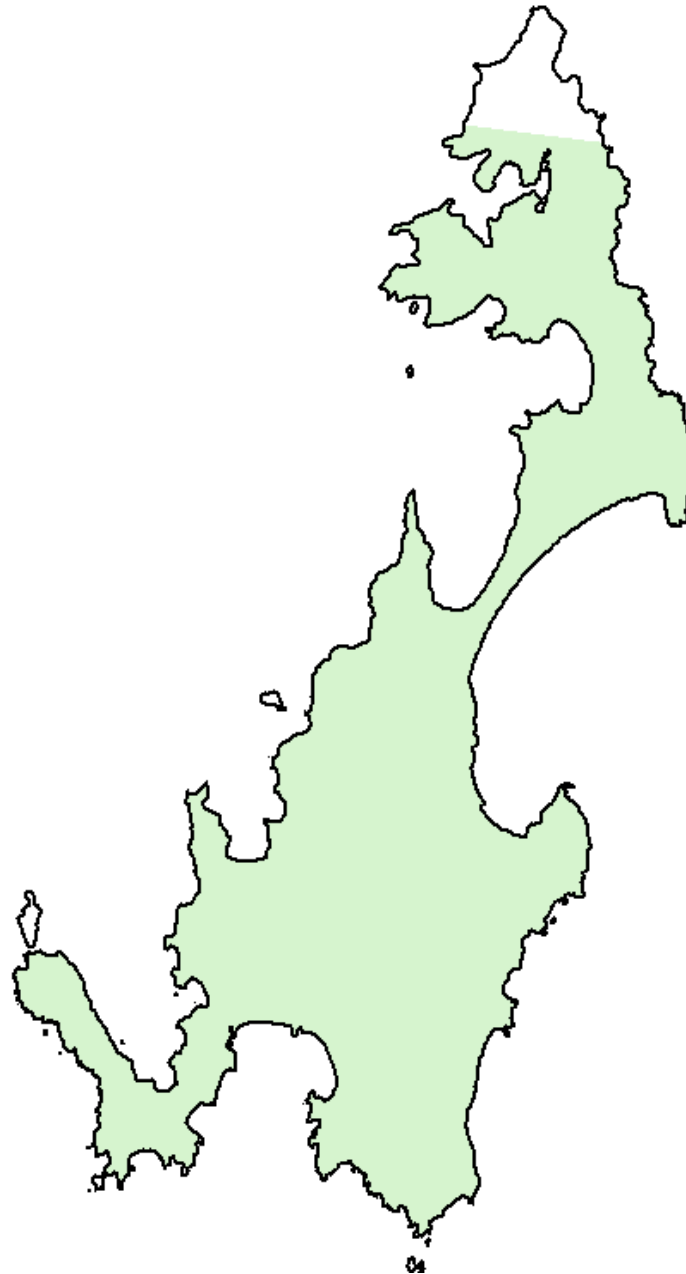
Manage cable load and Diesel use

Collaboration: ANU, USyd, UTAS, Reposit Power,
TasNetworks

~150 kW battery capacity

~40 customers

~7.9m total value. \$2.9m ARENA funding



Vision

“In the future customers have batteries. When we have a network problem the solution is already there, we just need to start paying customers to solve it for us”

What does value mean anyway?

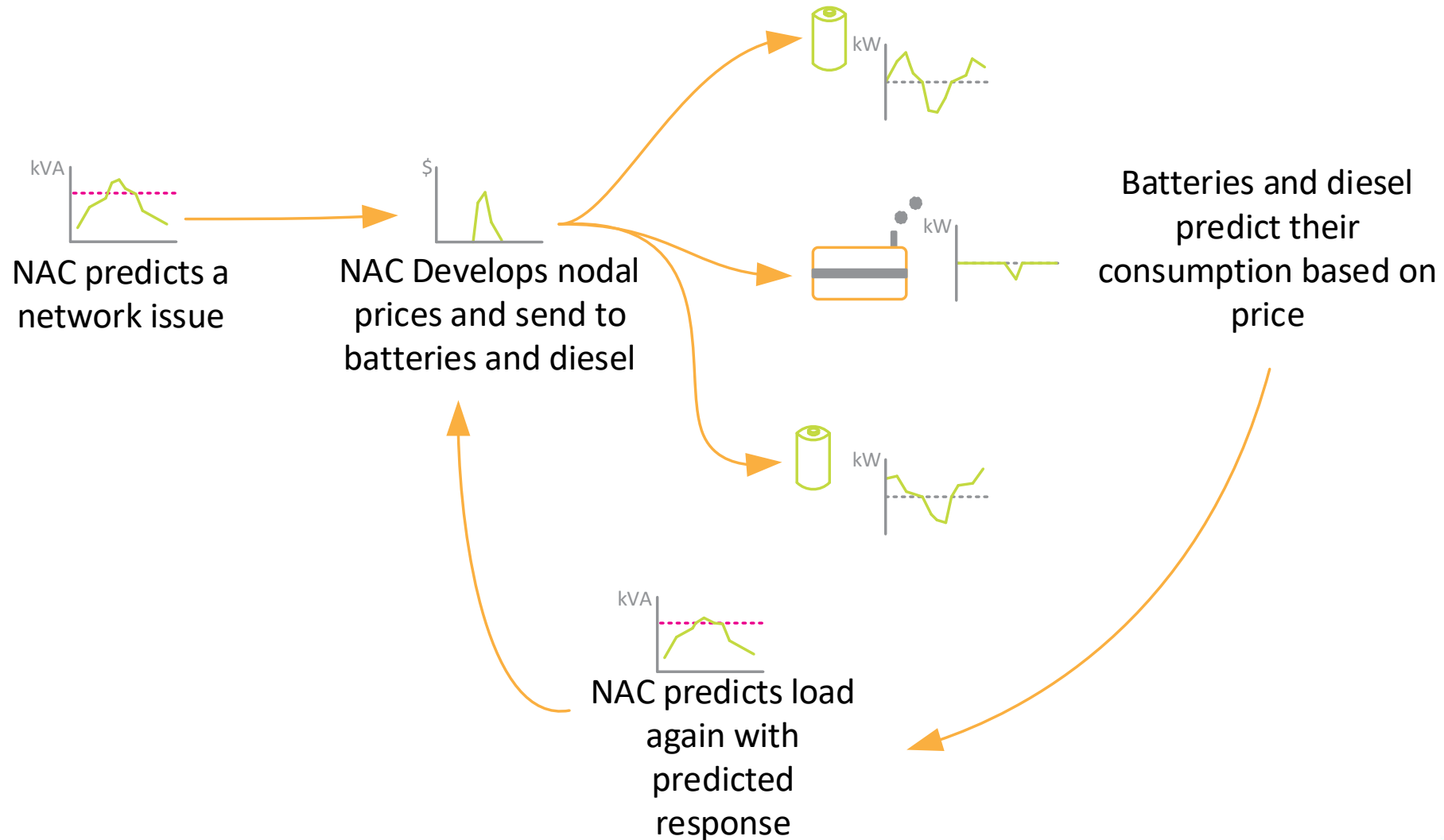
value

/ˈvɒljuː/ 

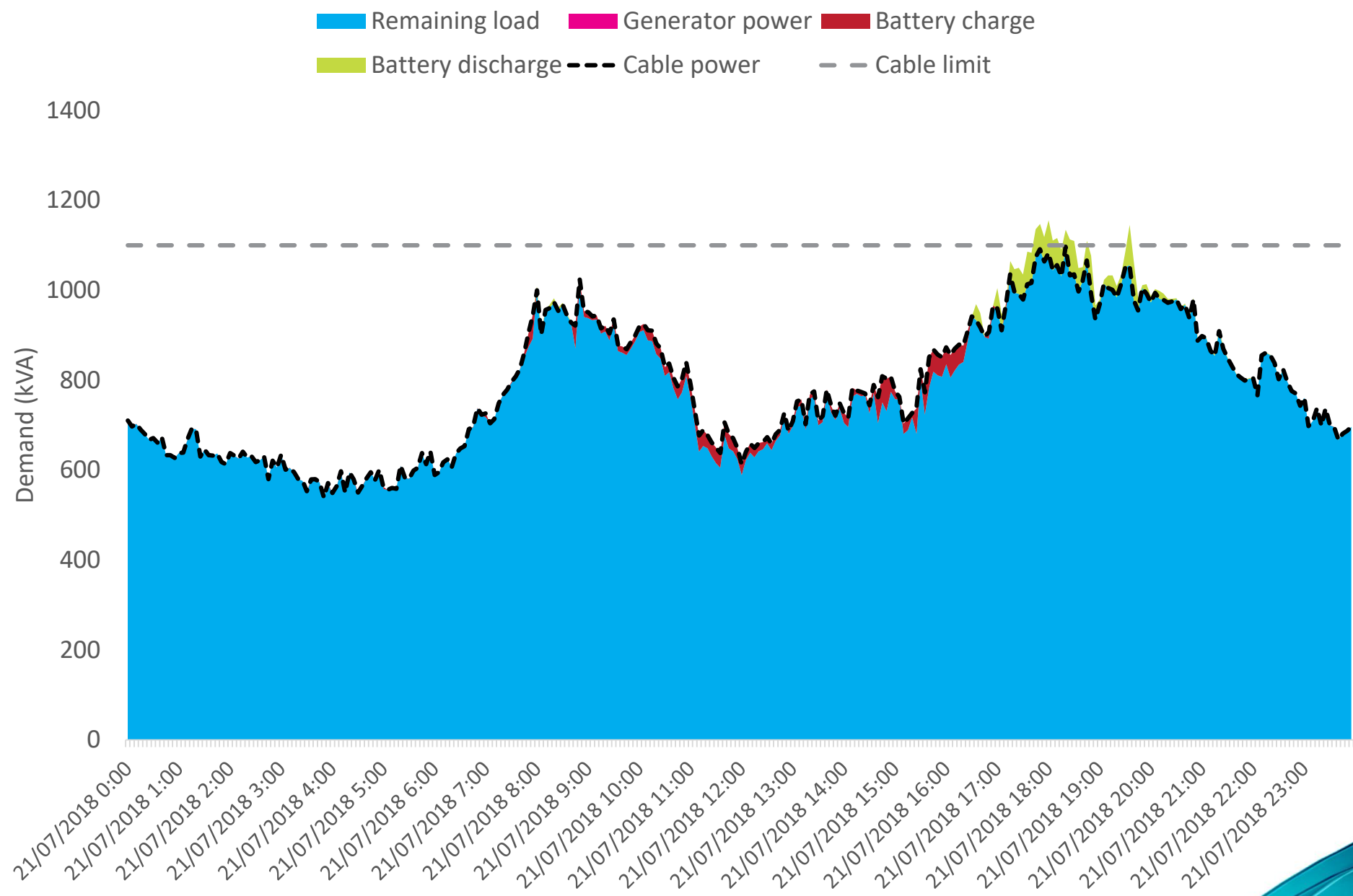
noun

1. the regard that something is held to deserve; the importance, worth, or usefulness of something.
"your support is of great value"
synonyms: merit, worth, usefulness, use, utility, practicality, advantage, desirability, benefit, gain, profit, good, service, help, helpfulness, assistance, effectiveness, efficacy, avail, importance, significance, point, sense; *informal* mileage
"the value of adequate preparation cannot be understated"
2. principles or standards of behaviour; one's judgement of what is important in life.
"they internalize their parents' rules and values"
synonyms: principles, moral principles, **ethics**, moral code, morals, moral values, standards, moral standards, code of behaviour, rules of conduct, standards of behaviour
"society's values are passed on to us as children"

How does Network Aware Coordination (NAC) work?



NAC results



Why do it this way?



Customers

Can choose **how to respond** to price signals



Networks

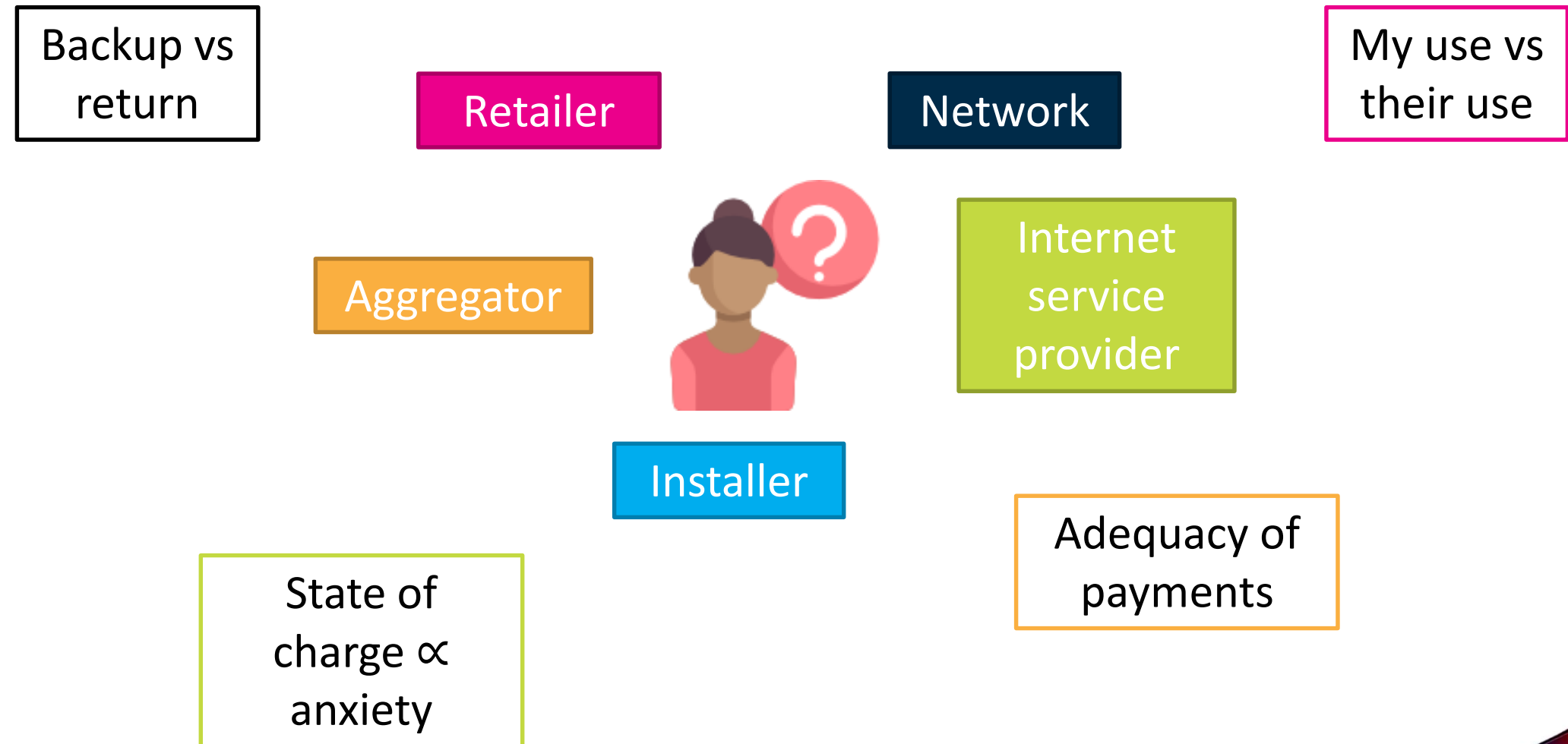
Procure the right **amount** of network support
for the right **price**



Aggregators

Can optimise in a way that aligns with their
values

Complex customer environment



...What does it mean for us?



Minimise **complexity**



Recognise all **customer relationships**
... and why they are there

Summary

