



# Responding to an uncertain future with demand response

# Michael Richardson

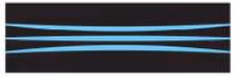


Demand Response Programme Manager



# Demand Response (DR) 101





TRANSPOWER

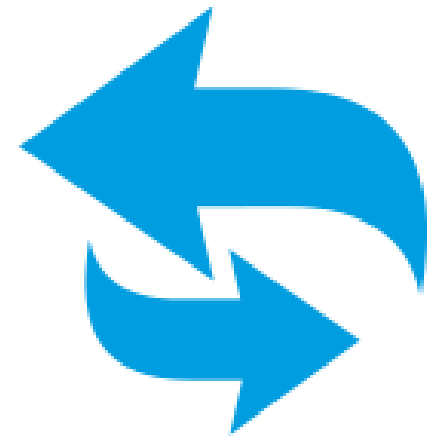
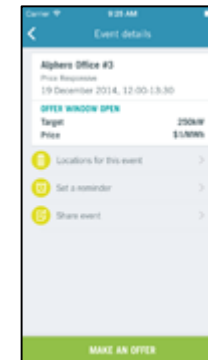
# ***demand response programme***



# Yes, there's an app for that



Search for 'demand response' in Google Play or the itunes store  
demouser/demouser





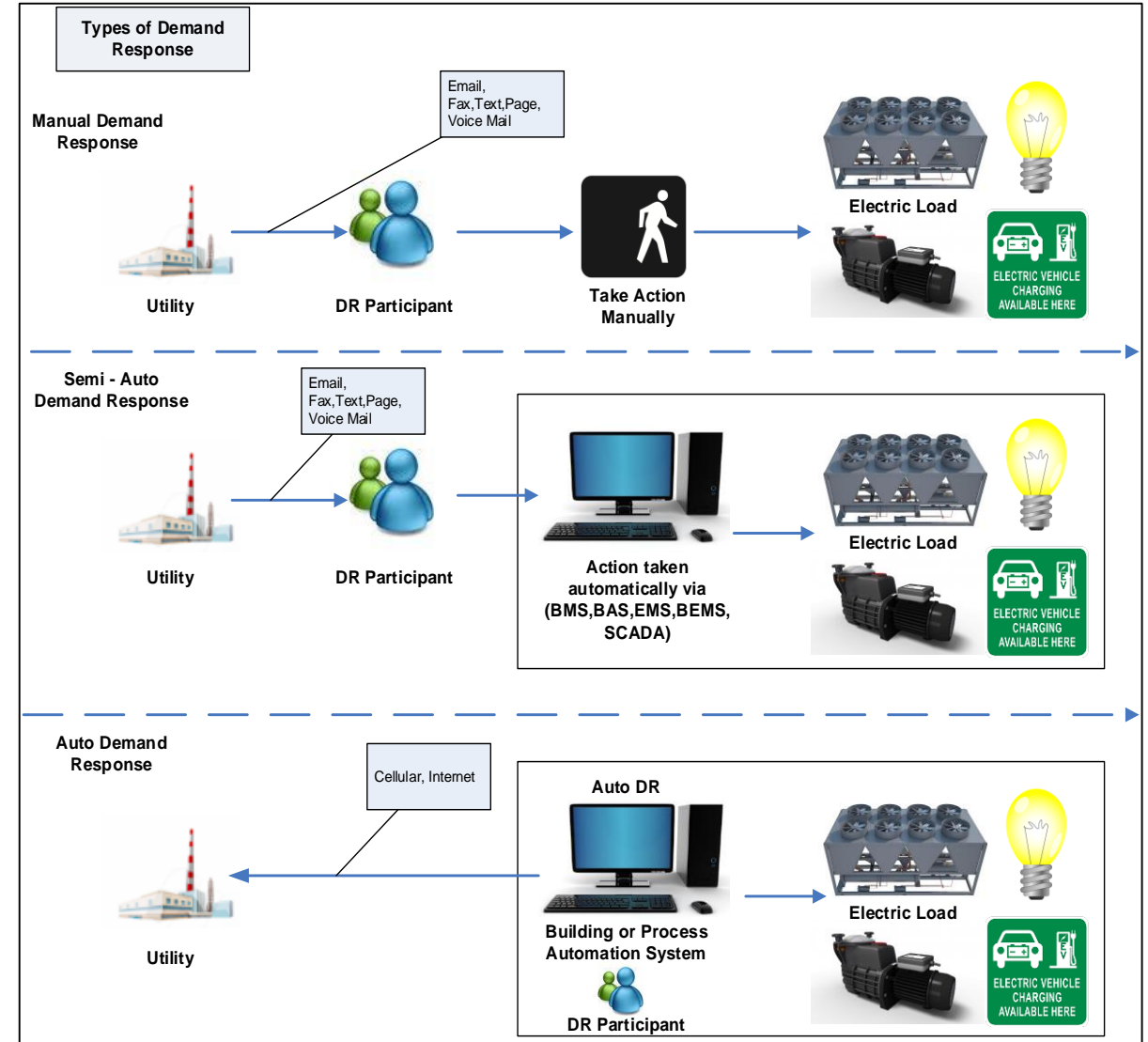
*Keeping the energy flowing*

TRANSPower

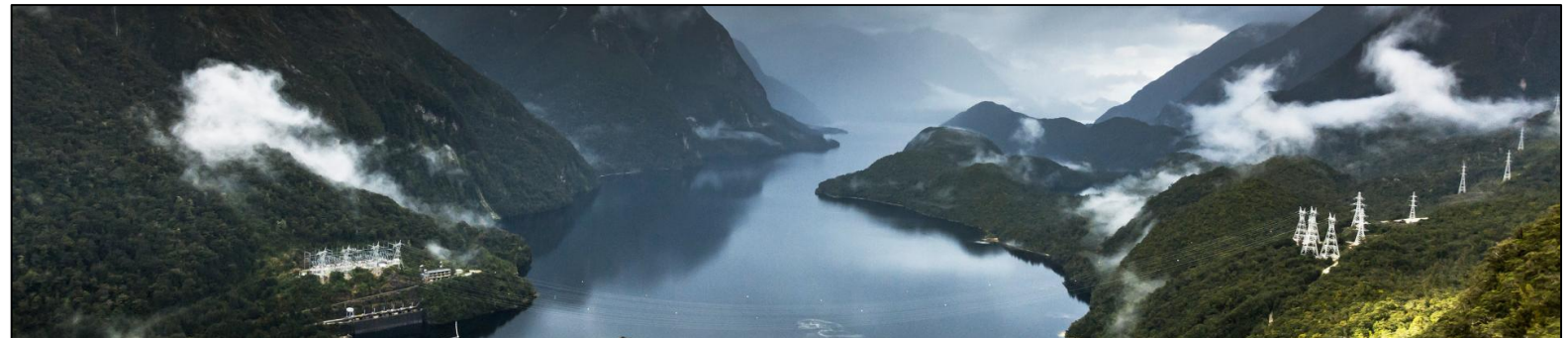
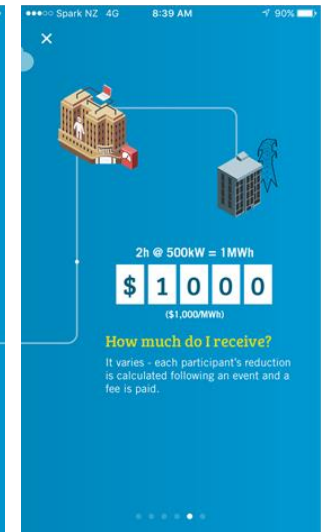
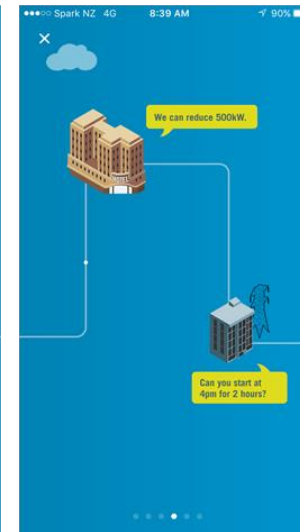
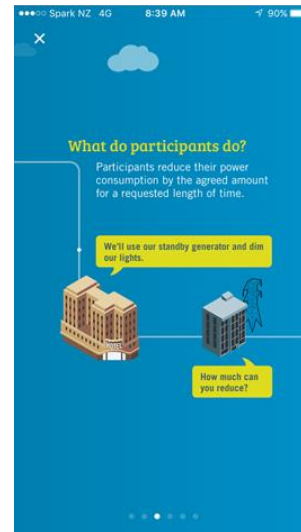
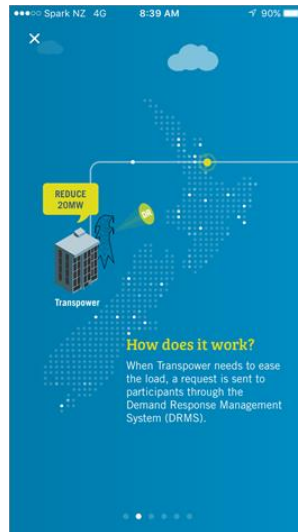
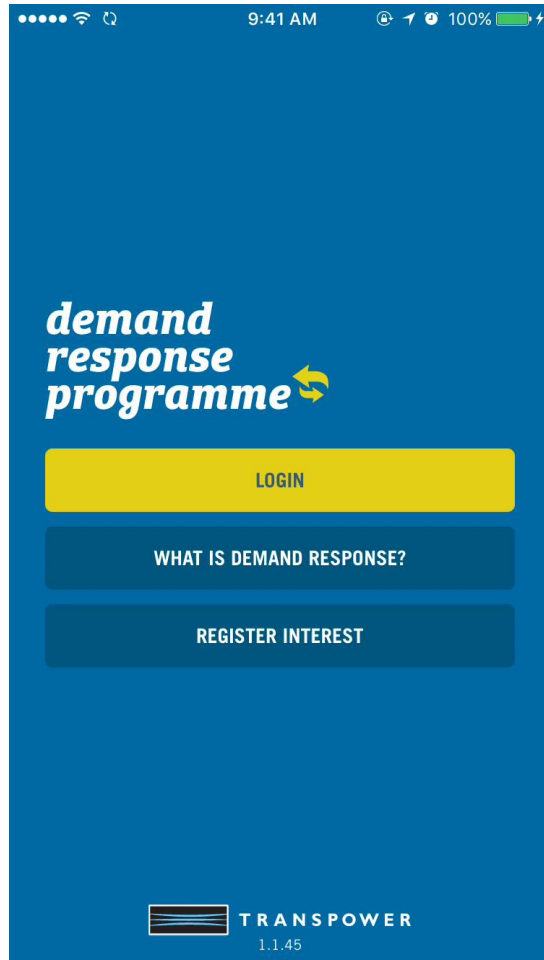


# Types of DR

- Manual DR
- Semi-Auto DR
- Fully Automated DR

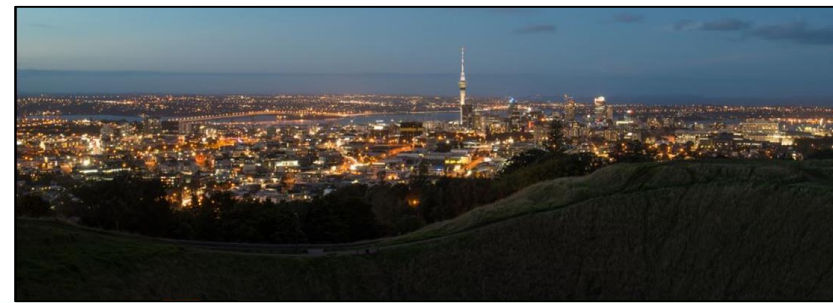


# The DR Sequence



# What do we want?

- Battery Technology
- Agri Business
- Residential Aggregation
- Targeted Development in Key Regions



# Focused Regions

- Upper North Island
  - Northland
  - Auckland
- Upper South Island
  - Marlborough
  - Tasman
  - Canterbury
  - Timaru
  - Oamaru





*Keeping the energy flowing*

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# By the numbers

**135**

MW registered so far

**6**

hospitals

**43**

Batteries (1.7MW)

**3**

Distribution networks

**5**

Retailers



# By the numbers

**21**

events

**90**

minutes

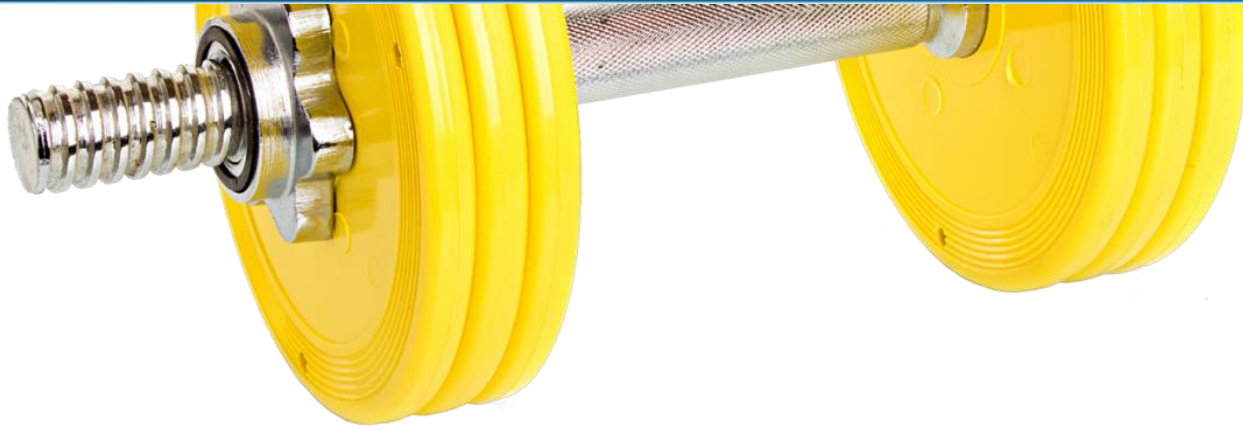
**858**

MWh

**1,004**

\$/MWh





**Because sometimes we need your help  
to lighten the load**

**[www.transpower.co.nz/dr](http://www.transpower.co.nz/dr)**

