

# Electrification and flexibility

Coordination is critical as implementation will look like everything, everywhere, all at once

EEA The Future is Flexibility Workshop

27 June 2023



**FLEXFORUM** 

# FlexForum - WHY, WHAT, HOW

**WHY...** to make it easier for households, businesses and communities to maximise the value of their distributed energy resources and flexibility to:

- support affordable and reliable operation of the electricity market and power system
- enable accelerated electrification by households and businesses as part of the transition in Aotearoa New Zealand to a zero emissions economy.

**WHAT...** support coordinated, collaborative learning-by-doing:

- enable a whole-of-system view
- provide advice based on practical experience
- identify scalable, least-regrets solutions to accelerate electrification and decarbonisation and result in an affordable and reliable electricity supply
- make electrification easier and more desirable for consumers.

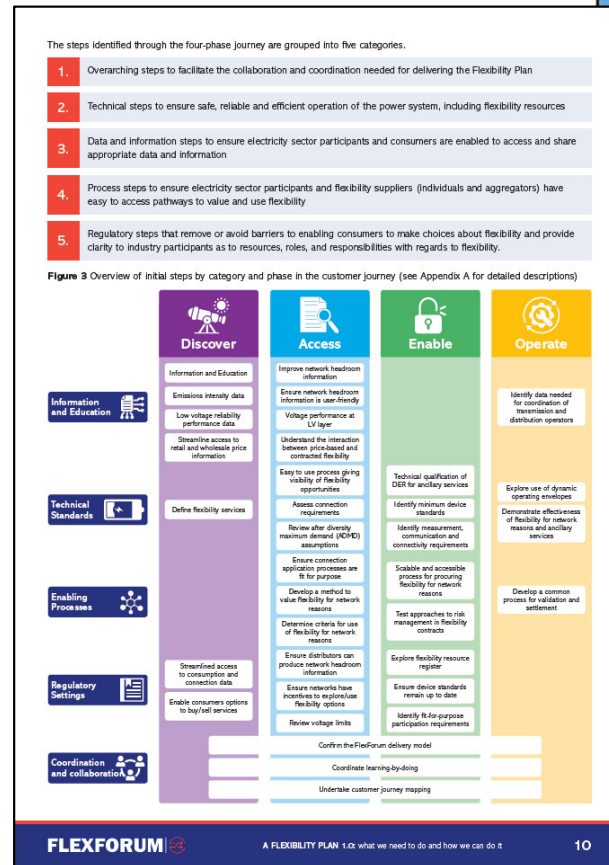
**HOW...** provide a nexus for coordination and collaboration:

- maintain the Flexibility Plan to provide a checklist to focus efforts and a way to track progress on critical tasks
- explicit focus on practical learning-by-doing
- collate and share knowledge and experience to avoid duplication of effort or repeating mistakes
- join the dots to give a whole-of-system view on solutions which deliver consumer-focused outcomes.

# Flexibility Plan 1.0 – it's a checklist

Making electrification and flexibility a reality means working through a **complex and inter-related set of actions** to discover what capability, processes and practices are needed

- the first step in completing a complex set of tasks is having a list
- enables coordination of effort across all involved
- enables monitoring of progress as tasks get changed, added and successes are shared widely once they are marked done



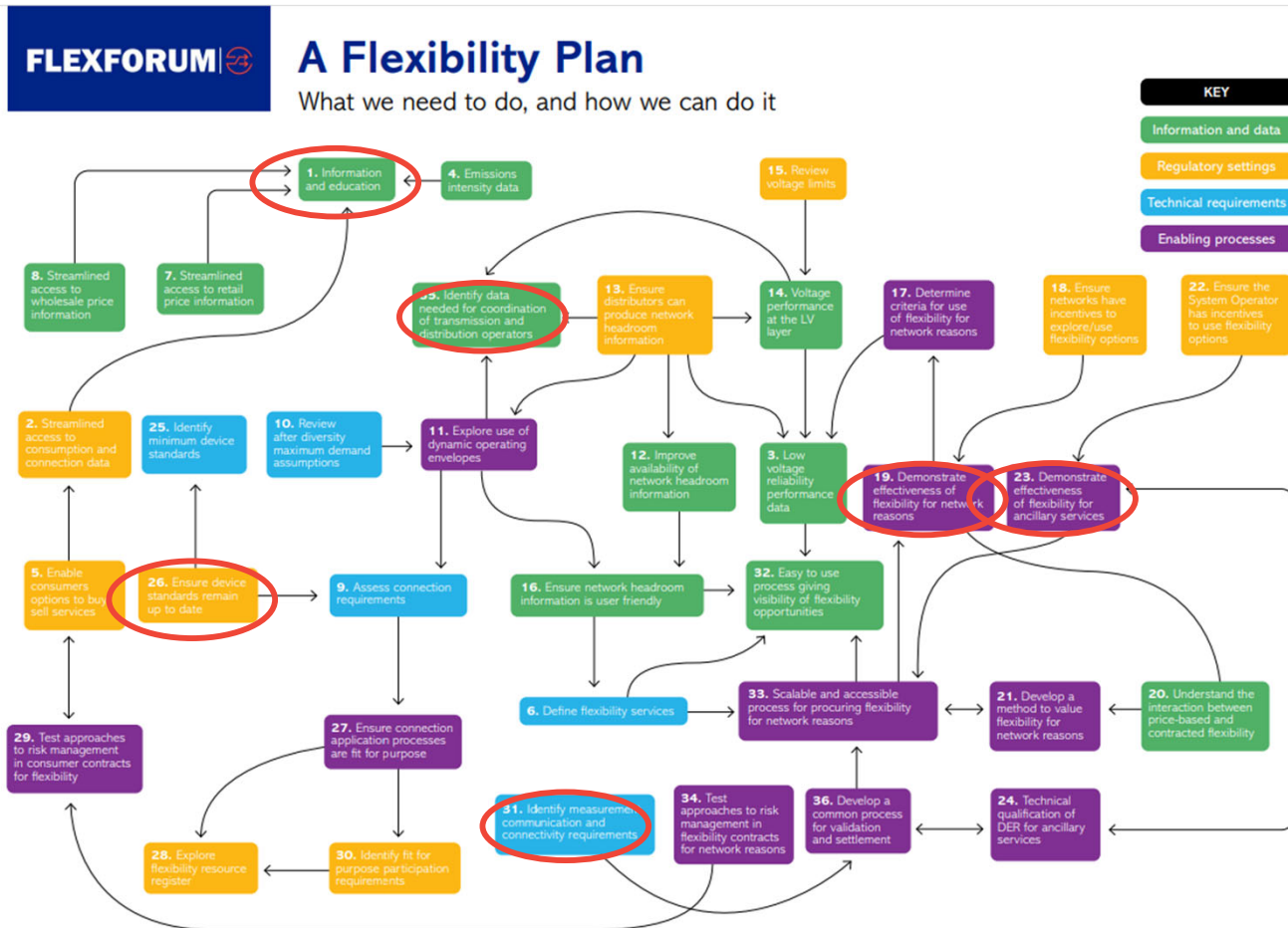
# A long and complex list

Flexibility means looking at **nearly everything** and going **nearly everywhere**

- all aspects of current market and power system arrangements
- all parts of the electricity ecosystem

**Flex Talk** is a great example of how flexibility (and electrification) will be achieved

- focus is communications and connectivity (#31), but inputs to other issues
- involves parties from across the ecosystem
- practical outputs

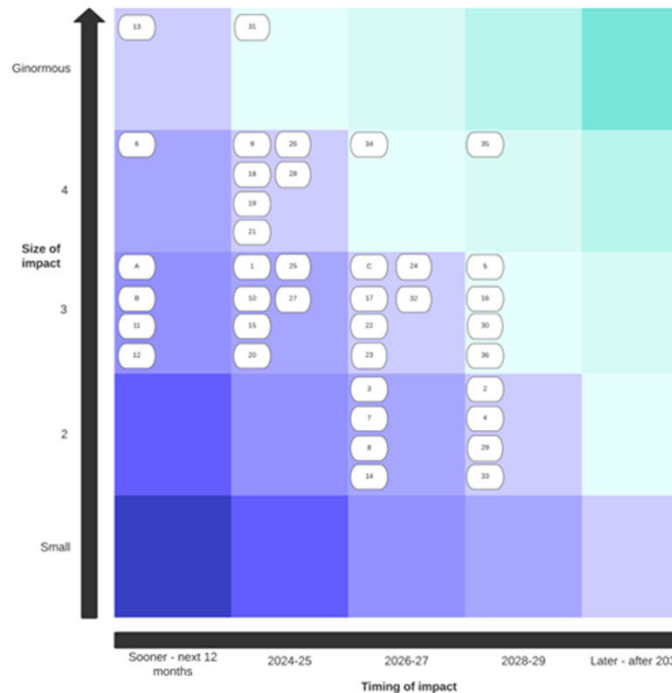


A work in progress

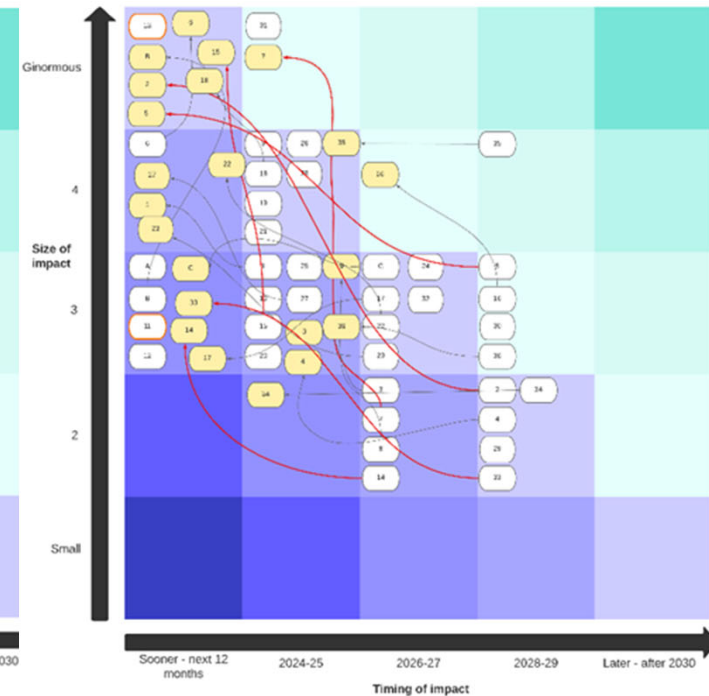
# Learning and implementation will be front-loaded and not linear

Things need to happen **nearly all at once** due to the interconnectedness of things and the lack of time

- priorities must reflect whole-of-system needs
- collaboration and coordination within and across siloes will allow better use of resources and expertise
- extra effort and resources are needed to facilitate and scale up collaboration



Priorities based on 'averaging' perspectives across siloes



Priorities shift when more weight is given to perspectives of flexibility front-runners

Thanks

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