Submitter	Lightyears Solar
Questions	Comments
Q1. Do you consider section 3 to be an accurate summary of the existing arrangements for power system operation in New Zealand? Please give reasons if you do not agree.	Yes, however we question if there should be a section for connected customers such as large industrials with embedded HV networks, EV charging operators, small utility scale generators, and virtual power plant (VPP) operators. These are captured as DER in the 'future' in paragraph 3.71 but are in existence today. Should they be listed under 'Asset Owners'?
Q2. Do you agree that we have captured the key drivers of change in New Zealand's power system operation? Please give reasons if you	An important aspect that is not noted is consumer behaviour (including industrial) that will drive energy purchasing decisions as businesses choose to (or are mandated to) reduce Scope 2 emissions.
00 not agree.	No feedback
description of each key driver?	No recuback.
Q4. What do you consider will be most helpful to increase coordination in system operation? Please provide reasons for your answer.	Network planners plan for the 'peak' scenario, however common communication protocols, along with open sharing of generation and load information would enable network companies and other participants to learn from and make more informed decisions regarding power system operation and investment.
	utilisation (and defer network upgrades), along with allowing network control rooms to have some
Q5. Looking at overseas jurisdictions, what developments in future system operation are relevant and useful for New Zealand? Please provide reasons for your answer.	No feedback.
Q6. Do you consider existing power system obligations are compatible with the uptake of DER and IBR-based generation? Please provide reasons for your answer.	Currently it is working, however in the 5-10 year horizon, changes to technical operating requirements such as voltage envelopes and equipment standards would allow for increased distribution network utilisation. Changes to requirements around DER information sharing would enable distribution operators and SO better visibility of downstream networks. Changes to SO coordination with distributors and large distribution connected customers (load and generation) would enable a more flexible and responsive power system operation.
Q7. Do you consider we need an	Paragraph 5.40 suggests that greater coordination
increased level of coordination of	between transmission operators and distribution

network planning, investment and	operators would be beneficial, however we don't
operations across the New Zealand	see evidence of a lack of coordination between
power system? Please provide reasons	Transpower and distribution companies.
for your answer	
	Investments in new generation and load are often
	kent secretive for commercial and public
	opposition reasons, however advance notice of
	these developments to network operators would
	he heneficial for ontimal network planning as
	would large council planning decisions such as re-
	zoning or urban development. Likewise sharing of
	future network constraints and upgrade plans
	would enable more efficient investment decisions
	by generators and load, noting these are already
	disclosed in Asset Management Plans.
	We are not convinced that creating another body
	such as a FSO would achieve better coordination
	between existing participants.
Do you think there are significant	In our experience there have not been significant
conflicts of interests for industry	conflicts of interest in network operators, and
participants with concurrent roles in	where there are conflicts of interest, these have
network ownership, network operation	been identified and handled well. We do question
and network planning? Please provide	the ability for network companies to construct and
reasons for your answer.	operate generation assets within their own
	networks, given the knowledge advantage the
	network company has over an external party.
Q9. Do you have any further views on	This is a good time to assess future operation as we
whether this is a good time for the	believe changes will happen more rapidly than
Authority to assess future system	anticipated.
operation in New Zealand, and	
whether there are other challenges or	
opportunities that we have not covered	
adequately in this paper? Please	
provide reasons for your answer.	