

HOW WE PLAN TO IMPROVE YOUR POWER QUALITY

*Regulatory Year (RY) runs from 1 April - 31 March

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		Initiative	How we'll do it	By when*
POWER TY FOUR ALITY DEVELOPMENT PLAN			Improve power quality enquiry processes and reporting to monitor and track response and remediation times to customers.	RY22 (complete)
		Reacting to monitoring quality	Initial investment in power quality monitoring equipment to improve data capture in key locations to enable better trends analysis.	
			Overhaul Voltage Control Standard and develop a multi-year change management plan with targeted initiatives to improve the voltage performance of our 6.6/11 kV electricity network.	
			Develop a Geographic Information System (GIS) extract to populate a power-flow tool, to help with network analysis and begin to identify areas of voltage constraint.	
er received nt. We are way we monitor	 Customer benefits Quickly address power quality problems Observe any power quality problems with monitoring devices Provide better information to our customer experience team from improved analysis and reporting Predict power quality issues on the network Overall, improve our ability to consistently supply customers within regulated voltage range 	Monitoring to anticipating quality	Undertake a network hosting capacity study and enhance our Congestion Policy so we can manage the uptake of distributed energy resources (e.g., solar panels, electric vehicles, battery storage) and any related power quality issues.	RY23
on our network ou can count on a			Refine our network growth scenarios identified in our 2022 Asset Management Plan (AMP).	
supply. as a steady supply e normal operating			Carry out further hotspot modelling by utilising the RY23 hosting capacity studies to inform areas requiring potential remediation.	RY24
netimes things			Continued roll out of our distribution transformer monitoring (DTM) capability in strategically selected locations.	RY23 - RY26
age to operate under ng disturbances in uld be a result of stribution network,			Implement our voltage change management plan, including associated field work to implement the new Voltage Control Standard.	RY23 - RY26-
customer's premise, of the weather.		Anticipating to predicting quality	Refine scenarios further by tracking growth against our forecast scenarios.	RY24
ate disturbances e a Power Quality pment Plan to			Carry out modelling to forecast constraints by incorporating our growth scenarios into our hotspot and hosting capacity analysis.	
s do not become too			Review our strategies for managing the low voltage network to capture our field experience, modelling and forecast learnings.	RY25
t Plan go to ures/delivering-our-cpp			Further implementation of a range of preventive solutions to forecast areas of constraint.	RY26

IMPROVING YOUR **QUALI**

A SNAPSHOT OF **VOLTAGE QUA**

We know the quality of power by our customers is important committed to improving the w and manage power quality on so that wherever you are, you consistent and predictable su

We define good power quality as of power, which stays within the n voltage range.

Like all electricity networks, some happen that can cause the voltage or over the normal range, causing the electricity supply. These could something happening on the dist the transmission network, on a cu or they could simply be a result of

While it is not possible to eliminat completely, we have put in place Roadmap as part of our Developr ensure that power quality issues of frequent or severe.

For a full copy of our **Development P** www.auroraenergy.co.nz/disclosure