



Electricity Authority Work Programme

Report for the period

1 July 2016 – 31 October 2016



Contents

Executive summary 3

Introduction and purpose..... 4

Programme A: Evolving technologies and business models..... 6

Programme B: Consumer choice and competition 10

Programme C: Pricing and cost allocation 13

Programme D: Risk and risk management 17

Programme E: Operational efficiencies 23

Programme F: Compliance education..... 31

Key to colour symbols used in this report

	Project milestones and/or deliverables achieved or on track to be achieved		Project milestones and/or deliverables are at risk		Project milestones and/or deliverables not achieved or not able to be achieved
--	--	--	--	--	--

Executive summary

The Authority's work programme details the major projects we intend to progress during the 2016/17 financial year. The work programme sets out:

- **Priority 1—Key projects.** These are strategically important projects listed in our *Statement of Performance Expectations* (SPE). Key regulatory projects (projects in blue text in Table 1) may result in new Code amendments, or market facilitation initiatives. These projects can involve significant input from providers and stakeholders. Projects in red text are key implementation and operational projects.
- **Priority 2 and 3—Other projects:** These include priority 2 and priority 3 regulatory projects, projects to deliver operational efficiencies, and compliance projects.

Table 1: Summary of key projects from SPE (priority 1) and work programme

#	Priority	Project	Programme	Code completed in 2016/17 year?	Existing or new project?	Status
1.1	1	Consumer access to markets covering data exchange, multiple trading agreements and other barriers to mass-market participation in electricity markets	A: Evolving technologies and business models	Not applicable	New	On track
1.2	1	Distribution pricing review	A: Evolving technologies and business models	No	Existing	On track
1.3	1	What's My Number (WMN) campaign	B. Consumer choice and competition	Not applicable	Existing	On track
1.4	1	Spot market refinements	C. Pricing and cost allocation	No	Existing	On track
1.5	1	Transmission pricing review	C. Pricing and cost allocation	Yes	Existing	On track
1.6	1	Implement extended reserve	D. Risk and risk management	No	Existing	On track
1.7	1	Review of security measures	D. Risk and risk management	Possible	Existing	On track
1.8	1	Hedge market development	D. Risk and risk management	Not applicable	Existing	On track
1.9	1	Registry service provider tender	E. Operational efficiencies	Yes	Existing	On track

Introduction and purpose

This is a progress report against our 2016/17 work programme¹. The ‘traffic lights’ used in this report relate to overall progress against the project milestones, which may go beyond 30 June 2017. All milestones are for the end of the financial year unless otherwise stated.

The work programme is our internal planning document. It represents a full commitment of Authority staff resources and the available project budgets. We review and update the work programme on a regular basis.

Overall performance standards for the year

The tables below include key milestones or deliverables for the financial year. It should be noted that for all relevant projects the milestones have been set out as if a Code amendment is required. Projects may be ended or a different path decided upon (such as market facilitation measures) at a number of points in the process, in particular after an initial investigation and cost benefit analysis (CBA) has been completed. It is not practical to set out the range of possible alternative paths for each project in the following tables. We have therefore set out the potential process and timetable as if Code amendment is required. All Code amendment milestones should be read as if “if required” were included in the text.

Changes during the year

We remain flexible and responsive in the management of this work programme. Reprioritisation takes place as required during the year, for example if new projects are started, or if new information becomes available about a specific project.

This report includes amendments made to the work programme as a result of reviews completed during the year. These amendments are shown as tracked changes revisions and new projects are *italicised*.

¹ The work programme is available on our website at <http://www.ea.govt.nz/about-us/corporate-projects/201617-planning-and-reporting/>

Figure 1: Our strategic framework and the programmes covered in this document



Programme A: Evolving technologies and business models

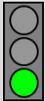
This programme covers initiatives to reduce inefficient barriers to development and use of evolving technologies and business models across the supply chain. This includes reducing inefficient barriers to:

- any consumers purchasing directly from the wholesale electricity market or directly from local generators
- mass-market demand response (DR) and aggregators of mass-market DR
- mass-market distributed energy resources (DERs) and aggregators of mass-market DERs. DERs include traditional distributed generation, batteries, micro-grids and 'prosumer' situations.

This programme aligns with our *reduce barriers* strategy in the SPE. Work streams within this programme are:

- 1) work stream: reducing barriers to new technologies and business models arising from market trading arrangements
- 2) work stream: reducing barriers new technologies and business models arising from industry contractual arrangements, such as with distributors.

Priority	2016/17 Number	Project and work stream	Description	Why we are doing this project	2016/17 target	Status	Comment
1	1.1	Data and data exchange A 1	Review of the data and data exchanges between participants (including service providers). The right information needs to be provided at the right times, and at an appropriate level of accuracy.	We want to make sure consumers benefit from changes in the retail market. The changes include greater diversity of participants, high penetration of 'data-rich' smart meters, new retail products, greater diversity of customer service expectations, and new market initiatives such as our retail data project. Some stakeholders have strongly argued that improving data exchange could greatly reduce transaction costs. Better data and data exchange has the potential to promote retail competition and efficient market operation.	Scope problem definition and issues prior to developing consultation paper.		Project currently being scoped and preparation has started on an issues paper. We have met with a diverse range of stakeholders to understand potential hurdles and scope for the project. We expect to consult on the issues paper in the last quarter of the financial year.

Priority	2016/17 Number	Project and work stream	Description	Why we are doing this project	2016/17 target	Status	Comment
1	1.1	Multiple trading arrangements at an ICP A 1	Only a single trader can currently be responsible for an ICP. This project will look at the feasibility and options to allow for multiple traders at an ICP.	Allowing multiple traders to operate at an ICP would create an opportunity for new services (eg, community-owned, and other small scale generators) to enter the market without requiring commercial arrangements with parties they are likely to be competing against.	Identify issues and scope potential options.		Project not yet started. We plan to start work in November.
3	3.1	Dispatchable demand: conforming nodes A 1	A project to enable an aggregator to aggregate load over several GXPs and several retailers. This involves an expansion of the dispatchable demand (DD) regime.	We are seeking more efficient use of DD, which will also promote competition in the spot market and efficient reliability of supply.	Confirm feasibility and priority of project.		Initial evaluation completed. Possible candidate for proposed new Market Development Advisory Group (MDAG). Scheduled to be started early in 2017.
1	1.2	Distribution pricing review A 2	A review to investigate the implications of evolving technologies for pricing of distribution services	We want to make sure distribution prices signal efficient investment in and use of evolving technologies. Prices that are service-based and cost-reflective will contribute to efficiency in the broader electricity market.	Hold a conference in August 2016 to discuss the work so far and results of the 2015/16 consultation. Decide next steps by the first quarter of the 2017 calendar year.		Conference held. Next steps were approved by the Board in October. Next steps are: monitoring framework communicated to stakeholders; and review of distribution pricing principles and associated information disclosure guidelines - expect to complete consultation by June 2017.

Priority	2016/17 Number	Project and work stream	Description	Why we are doing this project	2016/17 target	Status	Comment
1	1.1	Barriers to mass-market participation in electricity markets A 2	We will examine other options to facilitate mass-market participation in electricity markets such as reducing barriers from distributor contracts.	We want to remove any contractual barriers to small scale providers of energy and demand-response.	Identify issues and determine next steps.		Project scope prepared and preparation has started on an issues paper. We have met with a diverse range of stakeholders to understand potential hurdles and scope for the project. We expect to consult on the issues paper in the last quarter of the financial year.
3	3.2	Guiding regulatory principles for demand response A 2	Finalise the draft guiding regulatory principles for demand response. This should assist distributors and other parties to adopt efficient approaches to contracting for DERs.	There several competing uses for demand response. The guiding regulatory principles should improve efficient use of demand response.	Finalise the guiding regulatory principles.		Scheduled to be started early in 2017.

Programme B: Consumer choice and competition

This programme covers initiatives to promote consumer participation through the retail market. Aspects relating to prosumers and/or consumer participation directly in wholesale markets are covered in programme A. This programme aligns with our *improve consumer participation* strategy. Work streams within this programme are:

- 1) work stream: improving awareness, understanding, motivation and action by mass-market consumers, eg, the What’s My Number campaign, the retail data project etc
- 2) work stream: increasing choices available to mass-market consumers by further enhancing competition. This work stream covers pro-competition initiatives that are not already covered in programme A.

Priority	2016/17 Number	Project and work stream	Description	Why we are doing this project	2016/17 target	Status	Comment
1	1.3	What’s My Number B 1	This campaign promotes the benefits of comparing and switching retailers.	We seek to increase retail competition through increased consumer awareness of possible savings from shopping around for electricity, and that it is easy to switch.	Successful programme delivery, as indicated by the annual survey for the 2016 calendar year.		The 2016 Winter campaign finished in September. In December 2016 the Board will consider the future of the programme, the future of our involvement with Powerswitch, and how best to continue pursuing retail data outcomes.
2	2.1	Consumer education programme B 1	We will provide information and education to the public about electricity market performance, and the benefits from a competitive market.	Improved availability of information will increase consumer awareness, understanding and motivation to participate in both the wholesale and retail markets.	Increase information available to consumers via the Authority website. Increase the number of visits to the consumer section of the Authority website by 5%.		Pilot consumer education programme launched in October. Pilot ends in early November. Results will be analysed and next steps determined in early 2017.

Priority	2016/17 Number	Project and work stream	Description	Why we are doing this project	2016/17 target	Status	Comment
2	2.2	Retail data B 1	Consider options to promote retail competition by improving consumer's access to retail data. Phase 2: access to retail tariff data and connection data Phase 3: access to retail monitoring data.	Better access to information will increase consumer engagement and lead to more vigorous competition and innovation. Improving access to retail data will enhance price comparison, products. It also assists with developing innovative services. Better data will also support market analysis and monitoring.	Complete voluntary file format for generally-available tariff data by December 2016. Continue to engage with potential 3rd parties to promote provision of information to consumers.		Voluntary file format for provision of generally-available tariff data completed. We are continuing to engage with potential 3rd party providers and retailers to monitor how it is working.
2	2.3	Spot prices and risks for consumers B 1	A project to consider arrangements for explaining spot price risk to mass-market consumers, especially residential consumers exposed to the spot market.	Mass-market consumers paying spot prices need access to good information about spot price risks. This is important for residential consumers who that are not hedged. Competition and reliability may be affected if this is not addressed.	Next steps decided by December 2016.		We have completed a survey of consumers on spot. A report is being provided to the Board in December 2016 on the results of survey and next steps. The approach may focus on market facilitation first, with consultation as a backstop.

Priority	2016/17 Number	Project and work stream	Description	Why we are doing this project	2016/17 target	Status	Comment
3	3.3	Why prices matter B 1	A paper describing the importance of electricity pricing for consumers: how prices are formed, why prices should reflect costs, and the implications of inefficient price signals.	This project is expected to support all pricing work we are doing by describing the importance of promoting efficient pricing from a consumer perspective.	Finalise background paper on why prices matter and determine next steps by September 2016.		Project reviewed in August 2016. A decision was made to deliver the project via our ongoing communications programme rather than through a stand-alone paper.
2	2.4	Default distribution agreement (DDA) B 2	A review to consider amending the Code to introduce a default distribution agreement. The relationship between a distributor and retailers is set out in a distribution agreement (also known as a use-of-system agreement (UoSA)). The UoSA is important for retail competition and efficiency.	A DDA could promote retail competition and efficient operation. A DDA could reduce entry and expansion barriers, reduce the costs of doing business, and enhance innovation in the retail market.	Decision to proceed with further development of a DDA. Second consultation on DDA template.		The Board considered next steps in October 2016. The Board requested further consultation on Q3, for which submissions closed on 25 October. We are currently updating the summary of submissions and considering implications. Second consultation approved in principle.
3	3.4	Review of secondary networks B 2	RAG project to consider the competition, reliability and efficiency effects of secondary networks.	We want to remove unnecessary barriers to retail competition in secondary networks and promote efficient operation of the industry.	Advisory group advice on appropriate scope of Authority's regulatory activities relating to secondary networks. Advisory group advice on competition, reliability and efficiency issues.		The RAG is considering its final draft report to the Board at the 9 November meeting.

Programme C: Pricing and cost allocation

This programme covers initiatives to promote efficient pricing in markets and for monopoly services. This programme aligns with our *improve price signals* strategy. Work streams within this programme include:

- 1) work stream: improving market pricing mechanisms, eg, real-time pricing, wind offers, demand forecasting
- 2) work stream: improving administered prices and cost-allocation methods, including the TPM, general distribution pricing, distributed generation pricing principles, cost-allocation of ancillary services.

Priority	2016/17 Number	Project and work stream	Description	Why we are doing this project	2016/17 target	Status	Comment
1	1.4	Spot market refinements C 1	Further develop specific initiatives identified in the 2014/15 review of the spot market. Specifically: - settlement on real time pricing - improve inputs into forecast spot prices -some form of an hours-ahead market.	We want to reduce barriers to retail competition and demand response arising from current spot market arrangements. Enhancements to the spot market pricing arrangements have the potential to increase competition in the hedge and retail markets, and improve reliability and operational efficiency through greater demand responsiveness to spot market prices.	Real-time pricing: complete consultation on Code amendment proposal, if required. Improve inputs into forecast spot prices - Hours-ahead market: complete assessment of options and decide whether to develop a Code amendment proposal. Start development of Code amendment proposal, if required.		Real time pricing: In August we published our decision to develop the details of a 'look-ahead' dispatch-based price. We are working with the system operator on the design. We have started work on identifying enabling changes to Part 13. We expect to consult on real time pricing implementation in the last quarter of the financial year. Hours ahead market: We expect to release a consultation paper in February 2017.

Priority	2016/17 Number	Project and work stream	Description	Why we are doing this project	2016/17 target	Status	Comment
2	2.5	Offer and dispatch: wind generation offers C 1	This project will review the spot market offer and dispatch Code provisions for wind generators.	We want to review whether wind generators should be able to economically withdraw their plant when prices fall below operating costs.	WAG information paper expected to be published in July 2016. Consult on Code amendments and assess submissions.		The WAG reported its recommendations to the Board in June 2016. The Authority is implementing WAG's recommendations. A consultation paper, proposing Code amendments, is being prepared. We expect to publish the paper in April 2017.
2	2.6	Dispatchable demand: constrained on/off payments C 1	A project to ensure the correct incentives in the spot market for dispatchable demand (DD) constrained-on/off payments. We also want to look at rules for DD when forecast spot prices are infeasible.	We want to encourage the efficient use of DD.	Price infeasibility: review submissions and make Code amendment by December 2016.		Dispatchable demand price infeasibility: decision paper published in October 2016. Minor implementation (WITS changes) taking place.
2	2.7	Implement gate closure and the bid and offer revision provisions C 1	The decisions and reasons was published in November 2015. Implementation of the new Code is dependent on results of solution design process.	Reduced gate closure times should lead to more efficient use of resources and increased levels of wholesale market competition.	Solution design completed by October 2016. Code amendment gazetted (once commissioning date confirmed in solution design).		Final business case from the system operator received at the end of October 2016. Delivery expected by June 2017.

Priority	2016/17 Number	Project and work stream	Description	Why we are doing this project	2016/17 target	Status	Comment
3	3.5	Transpower demand response protocol management C 1	Incorporate Transpower's demand response (DR) platform into the spot market. We also want to facilitate the completion of other elements of the Transpower demand response protocol.	We are seeking to increase the efficiency of market outcomes to Transpower's DR initiatives. This will also increase competition for peaking plant. Greater demand responsiveness will also reduce risks of inefficient rationing to achieve reliability outcomes.	Start development of options to incorporate Transpower's DR platform into the spot market.		Scheduled to start shortly.
1	1.5	Transmission pricing review C 2	A review of the transmission pricing guidelines.	We want to get operational and investment efficiency in the transmission sector. This will also contribute to efficiency in the broader electricity market.	Finalise transmission pricing guidelines. Issue decision and reasons paper.		Supplementary consultation to the transmission pricing second issues paper announced on 18 October. Publication is planned for 6 December 2016, with submissions due on 10 February 2017.

Priority	2016/17 Number	Project and work stream	Description	Why we are doing this project	2016/17 target	Status	Comment
2	2.8	Part 6 distributed generation pricing principles (DGPP) C 2	A review of Part 6 of the Code pricing principles, to ensure consistency and alignment with distribution pricing principles. We will look at whether the DGPPs are achieving outcomes consistent with our statutory objective.	We will review the pricing principles to ensure that they do not prevent distributors from pricing and charging on a cost-reflective basis. The objective is to promote efficiency.	Complete Code amendment.		Board decisions made in October. A decisions and reasons paper for ACOT issues is expected to be released in December. The incremental cost issue is to be considered as part of consultation on distribution pricing principles.
2	2.9	Instantaneous reserve event charge and cost allocation review C 2	Improve the efficiency in allocation of instantaneous reserve costs and the event charge. Includes consideration of the costs of commissioning new generation.	Provide efficient price signals and encourage efficient use and supply of instantaneous reserve. We want to ensure costs are allocated to causers broadly in line with the harm they impose.	Advisory group recommendations provided to the Board.		The WAG has published a discussion paper for consultation, closing on 22 November 2016. We expect the WAG to report to the Board in March 2017.

Programme D: Risk and risk management

This programme covers initiatives to promote efficient management of capacity and energy risks. This programme aligns with our *increase flexibility and resilience* strategy. Work streams within this programme are:

- 1) work stream: improving management of capacity and real-time operational risks
- 2) work stream: improving management of energy risks (ie, dry year security of supply risks)
- 3) work stream: further evolution of the hedge market to support the physical markets in work streams D1 and D2.

Priority	2016/17 Number	Project and work stream	Description	Why we are doing this project	2016/17 target	Status	Comment
1	1.6	Implement extended reserve D 1	The Code was amended in June 2014 to provide for efficient procurement of extended reserve. Implementation includes establishment of a service provider role.	We are seeking more efficient provision and use of extended reserve – the reserve that is operated only in major under-frequency events. Extended reserve is provided via automatic under-frequency load shedding (AUFLS).	Complete consultation on selection methodology. Complete consultation on technical requirements schedule. Complete consultation on draft procurement schedule. Complete consultation on operational Code amendments.		The extended reserve manager (ERM) is developing the selection methodology and optimisation tool. The system operator (SO) is developing the technical requirements schedule. Consultation is taking place at present, closing December 2016. Overall completion date for project is October 2017 for publication of selection methodology. This will be followed by another project to implement the regime by the SO and ERM.

Priority	2016/17 Number	Project and work stream	Description	Why we are doing this project	2016/17 target	Status	Comment
2	2.10	Review of frequency keeping services D 1	Review future frequency keeping service requirements.	Technical requirements for frequency keeping have changed with the introduction of frequency keeping controls. Depending on the volume of national frequency keeping needed, there may still be benefits in introducing a national market for frequency keeping and/or introducing incentives for governor response.	Publish an information paper and consider submissions. Develop arrangements for incentivised governor response.		We expect to publish an information paper in December 2016 or early in 2017.
2	2.11	Instantaneous reserve market review D 1	A review of the instantaneous reserve markets to reduce barriers and enhance performance.	Current arrangements create barriers for some types of instantaneous reserve. We will consider options to reduce unnecessary barriers. This will contribute to increased competition and efficiency.	Report from the system operator to test findings with stakeholders. Develop and publish a consultation paper on high-level options if the system operator's report shows net benefits.		The first work programme target has been achieved: the system operator's proof-of-concept report has been received. It recommended that none of the options be pursued. We are evaluating further to determine next steps.

Priority	2016/17 Number	Project and work stream	Description	Why we are doing this project	2016/17 target	Status	Comment
2	2.12	AOPO: fault ride-through D 1	A review of low and high voltage fault ride-through Asset Owner Performance Obligations (AOPOs). We want to make sure these are fit-for-purpose with the changing generation mix.	We're concerned that current arrangements may be creating uncertainty for asset owners. This has the potential to harm reliability.	Complete Code amendment recommendations by July 2016.		Code amendment completed and gazetted. Comes in to effect 24 November 2016.
2	2.13	Comparison of distributor reliability performance D 1	Analysis comparing distributor performance with New Zealand and other countries.	We want to develop an objective view of reliability performance among New Zealand distributors.	Complete and publish report by 30 June 2017.		A report is being prepared and should be published in the third quarter of the financial year.

Priority	2016/17 Number	Project and work stream	Description	Why we are doing this project	2016/17 target	Status	Comment
2	2.14	Implement national market for instantaneous reserve D 1	Implementation will enable the transfer of instantaneous reserves from one island to the other via the high-voltage, direct current (HVDC) link.	Implementation will enable the transfer of instantaneous reserves from one island to the other via the high-voltage, direct current (HVDC) link. This is expected to enhance wholesale market competition through optimising instantaneous reserve requirements at a national level. We also expect efficiency gains as a national market should reduce total procurement requirements.	'Go live' by 1 November 2016.		Completed: implemented in October 2016.
1	1.7	Review of security measures D 2	In 2015/16 we carried out a high-level review of regulatory arrangements for security of supply. Two mechanisms that are to contribute to security of supply were identified for review- the customer compensation regime and the stress testing regime.	We want to ensure that the customer compensation scheme and the stress testing regime are continuing to deliver efficient levels of security of supply.	Consult on and complete decision on review of the customer compensation regime. Consult on and complete decisions on review of the stress testing regime.		Consultation started on both reviews on 18 October, closing on 29 November. Final decisions are expected in the last quarter of the financial year.

Priority	2016/17 Number	Project and work stream	Description	Why we are doing this project	2016/17 target	Status	Comment
1	1.8	Hedge market development (top priority projects) D 3	Enhancements to the hedge market to ensure that it continues its upward momentum.	We seek to improve retail competition by giving market participants greater certainty about forward price expectations. This will enhance decision-making. It will also promote greater reliability and efficiency. We have a continuing programme of initiatives to enhance the hedge market.	Work with ASX to design and set up cap products with robust and frequent pricing. Evaluate if ASX positions can offset energy market prudential security requirements. Decide enhancements to arrangements for ASX products.		Cap products: The ASX is establishing an initial project and application to ASIC for listing of \$130 and \$300 caps. We expect the ASX to list the cap products by 30 June 2017. Prudential offset: ASX/AEMO have published a report concluding that this project is not viable for the Australian market. However, ASX and the Authority are about to start work on exploring a different approach for NZ. ASX enhancements: Not yet started. We need to wait for other initiatives to be well progressed before starting work on this.
2	2.15	Wholesale market information D 3	The WAG is reviewing the wholesale disclosure information exclusion list. As a secondary priority, start work on improved public access to fuel information via market facilitation measures.	We seek to facilitate an active hedge market by enhancing the disclosure of information that influences the forward price curve. A more active hedge market enhances retail competition.	Complete work on information disclosure. Start to prepare an information paper on options for fuel information (for publication in 2017/18).		Work on clause 13.2A (information disclosure provisions) is underway. The WAG has released a discussion paper. The WAG recommendations to the Board are expected early in 2017. Authority consultation will follow. Work on an information paper on options for fuel information has been deferred at this stage. The 2016/17 target is still achievable.

Priority	2016/17 Number	Project and work stream	Description	Why we are doing this project	2016/17 target	Status	Comment
3	3.6	Hedge market development (lower priority projects) D 3	<p>We will progress enhancements to the hedge market on an ongoing basis. Planned work for 2016/17 includes:</p> <ul style="list-style-type: none"> - financial transmission right (FTR) market enhancements - develop standardised over the counter (OTC) and intermediating contracts - provide transparency around ASX development activity. 	<p>We seek to improve retail competition by providing market participants with greater certainty about forward price expectations. This will also promote greater reliability and efficiency.</p>	<p>FTR: Prepare consultation paper, If changes are warranted.</p> <p>OTC: Begin the process of developing standardised OTC contract templates for a consultation paper, to be published in the 2017/18 year, if warranted.</p> <p>ASX: Start regular publication of ASX work programme updates.</p>		<p>FTR: consultation paper being prepared. Publication expected in late 2016 or early 2017.</p> <p>OTC: not yet started.</p> <p>ASX: nearing publication stage.</p>

Programme E: Operational efficiencies

Initiatives to increase the efficiency of electricity market operations. In particular, we look at refining processes set out in the Code and initiatives to improve market systems. This programme primarily aligns with our *ensure fit-for-purpose market services* strategy and also contributes to other strategies.

Code improvements include removing barriers to efficient operation and interaction, including via data exchange

Market systems are provided by market operations service providers (MOSPs) and the system operator. We want these services to deliver effective market operation, increase market efficiency, and facilitate market development.

Priority	2016/17 Number	Project	Description	Why we are doing this project	2016/17 target	Status	Comment
1	1.9	Registry service provider tender	The supply of the registry system and services is being tendered as the existing contract will expire in April 2017.	<p>We want to ensure that services cope with evolving market requirements.</p> <p>The services also need to be value-for-money, and be able to be developed in a timely and cost-effective manner. The services need to continue to be resilient to potential system failures and outages.</p>	<p>Negotiations with the preferred tenderer completed by September 2016.</p> <p>New agreement becomes effective in May 2017.</p>		<p>Negotiations are in progress.</p> <p>The new agreement is expected to become effective in May 2017.</p>

Priority	2016/17 Number	Project	Description	Why we are doing this project	2016/17 target	Status	Comment
2	2.16	Clearing manager review of the financial transmission rights (FTR) prudential assessment methodology	The methodology is used by the clearing manager to calculate prudential requirements for FTR participants. The methodology is being revised to improve the calculation of the prudential requirements for FTR products that are not traded frequently enough to be accurately valued.	An urgent methodology change was made in September 2015. The urgent change automatically expires after nine months.	The new methodology, approved in June 2016, is expected to become operational on 1 December 2016. The clearing manager will engage with FTR participants regarding the approach to the calculation of FTR prudential to determine whether a more fundamental review is required.		New methodology due 1 December 2016.
2	2.17	Systems access policies	Preparation of a WITS access policy that incorporates both the Code requirements and the service provider's use-of-system requirements.	We want to ensure that the rights and obligations of WITS users are clearly defined. We also want to make sure that WITS system performance requirements are not compromised by inappropriate use.	Complete Code amendment that provides for the Authority to prescribe WITS access arrangements and implement the new policy by February 2017.		NZX has provided comments on the second draft system access policy for WITS. Awaiting Authority resource availability to progress, which should be available in 3rd quarter of financial year. It is possible to complete targets in the financial year, but not by Feb 2017.

Priority	2016/17 Number	Project	Description	Why we are doing this project	2016/17 target	Status	Comment
2	2.18	Reconciliation loss factor methodology	The methodology is an industry guideline that prescribes how distribution losses should be calculated and managed for use in the reconciliation process. We will also publish our intended approach to the monitoring of the use of the guidelines.	We want to improve the accuracy of the reconciliation process through the more accurate determination of distribution losses.	Complete a review of consultation responses and publish the finalised guidelines.		Started, but currently on hold while resource is focussed on other projects.
2	2.19	Efficiency of distribution company arrangements	A research project to consider the efficiency of distribution company arrangements.	We want to reduce transaction costs for retailers and distributors.	Develop and consult on scope.		Not yet started.
2	2.20	Review of Code amendment proposals for scarcity pricing	Consultation on a set of Code amendments intended to ensure the scarcity pricing arrangements for the spot market can be operated as intended in all circumstances.	The pricing manager has identified some potential issues with the scarcity pricing Code amendments that came into effect in June 2013. We need to address these issues to ensure they don't prevent the scarcity pricing regime from working in the intended manner.	Complete consultation and make a decision on Code amendments by December 2016.		Decision made at the November Board meeting. Code amendment comes in to effect in December 2016.

Priority	2016/17 Number	Project	Description	Why we are doing this project	2016/17 target	Status	Comment
2	2.21	Review of participant audit arrangements	The review of participant audit requirements in the Code to improve efficiency and align with good practice. Does not include MOSP audits.	We're reviewing audit requirements to improve efficiency and align with good risk management practice.	Complete the implementation including consultation on the guidelines, and start the new regime by 30 June 2017.		<p>We are implementing a number of changes to the participant audit regime (regime). These changes include clarifying the purpose of the audit regime, better aligning governance of the audit regime with international best practice, and operational enhancements to improve the efficiency of the audit regime. Code amended and comes into effect on 1 June 2017.</p> <p>Implementation activities underway and on track. The first suite of consultation started in October. The second will be later in 2016 or early 2017.</p>

Priority	2016/17 Number	Project	Description	Why we are doing this project	2016/17 target	Status	Comment
3	3.7	Review of trader default arrangements for 'direct consumers'	Operational aspects of the new settlement and prudential security arrangements: <ul style="list-style-type: none"> - Work with relevant networks (including Transpower) and directly connected parties to ensure that disconnection provisions in the trader default arrangements can be fulfilled in a default event. - Consider any applications for a shortened post-default exit period. 	We want to make sure the new settlement and prudential security regime works as intended when the Code was drafted. The Code provides for participants to apply to the Authority for a shortened post-default exit period.	Achieve assurance that the necessary disconnections are in place and practical, or identify any necessary amendments to the Code to enable this assurance to be achieved. Consider and make decisions on any applications for a shortened post-default exit period. Review the post-default exit period provisions (this will only be undertaken once at least one application has been considered).		Reviews of post-default exit period provisions completed. Process for large consumer to become a direct purchaser - completed in 2015/16. We have started work with Transpower and affected distributors to develop a required process for effecting an Authority Board direction for disconnection. This may result in a proposal to change the Code to lengthen the 7-day post-default exit period.

Priority	2016/17 Number	Project	Description	Why we are doing this project	2016/17 target	Status	Comment
3	3.8	Review of register content codes	Register content codes are used by participants to describe the characteristics of the electricity supply from a metering installation. The codes allow the accurate allocation of tariffs to consumers.	We want to ensure the principles, structure and rules for the creation of register content codes are fit-for-purpose to accommodate the increased use of new, innovative tariffs that are starting to emerge as a result the time-of-use functionality of AMI metering.	Complete the review and make recommendations for change (if any) by June 2017.		The review of register content codes is expected to go to the standing data formats group (SDFG) later in the financial year.
3	3.9	Part 10 operational review	Review operational elements of Part 10 of the Code to ensure efficient operation of the registry and the related processes. We will also review related sections in other Parts of the Code.	The new Part 10, which came into effect in 2013, introduced a number of new obligations and processes relating to metering, switching and the registry. The operation of the market has continued to evolve since that time. We want to make sure these processes are as efficient as possible.	Complete analysis of issues and options. Start Code amendment consultation process for relevant issues (if necessary).		We are developing an issues paper and expect to start pre-consultation in May-June 2017.

Priority	2016/17 Number	Project	Description	Why we are doing this project	2016/17 target	Status	Comment
3	3.10	Livening and energisation guidelines	This project is to complete participant guidelines for the livening and energisation of ICPs.	We want relevant participants to understand their Code obligations for livening and energisation of ICPs. The guidelines are intended to increase compliance with the relevant areas of the Code.	Complete consultation on the proposed guidelines (if necessary). Finalise and publish the guidelines by June 2017. Note: this timeframe is subject to successful completion of Code amendments related to Code definitions that will be consulted on in July 2016 as part of the Code review programme.		Draft guidelines have been consulted on. Draft ready for re-consultation. This project is dependent on the result of consultation on changed definitions (Code review programme, currently being consulted on). Re-consultation expected over March-April 2017.
3	3.11	Review of wholesale market trading arrangements	Review Part 13 of the Code relating to trading. This includes the spot market, scheduling, offering, dispatch, pricing, hedge market and FTR trading information. This would include removing unnecessary barriers to new technology.	Provide efficient price signals and increase competition.	Finalise project plan and governance arrangements.		Project started and is in the information gathering stage. As part of the input, the system operator is documenting its experience and understanding of Part 13.

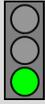
Priority	2016/17 Number	Project	Description	Why we are doing this project	2016/17 target	Status	Comment
3	3.12	Minor Code amendments to improve operational efficiency	Minor Code amendments to address operational or other market efficiency issues that arise during the year.	We need to ensure that the operational aspects of the Code are achieving the most efficient outcomes.	Specific Code amendment proposals will be identified during the year and investigated. Consultation on proposed Code amendments will be undertaken if necessary.		<p>We are currently identifying and prioritising matters for consultation in an omnibus process.</p> <p>Our plan is to release, and possibly complete, consultation by 30 June 2017.</p>

Programme F: Compliance education

This programme includes initiatives to improve participant compliance with the Act, regulations and Code. This programme aligns with our *improve compliance* strategy.

Our compliance function plays an integral role in ensuring the integrity of the electricity market by enabling compliance by the industry with the Act, regulations and Code. We take a risk-based and proportionate approach to compliance.

We recognise that most industry participants want to meet their obligations voluntarily, or can be encouraged or induced to do so. We provide information, education and assistance. However, serious compliance matters are formally investigated and may be subject to enforcement action.

Priority	2016/17 Number	Project	Description	Why we are doing this project	2016/17 target	Status	Comment
2	2.22	Participant education	Educate participants on the operation of the Code, the market, and market systems and processes.	We want participants to be able to get the information necessary to enter and participant in the market. This information needs to be accurate and easy to interpret.	Continue development of the participant education web portal that was piloted in 2015/16. Ongoing participant education includes training sessions and workshops on specific topics.		The participant education web portal pilot has been completed. The initiative is currently on hold due to resource availability. Participant education fora planned for December: Trader/distributor - 7 December; Metering equipment provider approved test house - 8 December.

END