

MEUG 8 week rolling calendar week starting 14th December 2015¹

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The MfE published the ETS review paper on 24 th November.	
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Southern Generation, owned by Pioneer Generation, The Power Company and Electricity Invercargill, was reported at start of December to have purchased Aniwhenua power station for ~\$100m.	
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At end of November Transpower announced interconnection rates from 1 st April 2016 to be \$114.64/kW, an increase of \$4.29/kW (+3.9%).	
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EA enquiry into Penrose substation fire event 5 th October 2014 was published on 26 th November. The Minister, Hon Simon Bridges, said “The inquiry found the outage was caused by an electrical failure in a cable joint which then caught fire. The Authority concludes that Vector, who owned the cable, and Transpower, who owns Penrose substation, should have identified and taken action to manage this and associated risks.”	
Abbreviations	6

¹ Updates last rolling calendar for week starting 16th November 2015.

MEUG rolling calendar from week starting 14 th December 2015	Status	Dec-15	Jan-16	Feb-16	Notes, long-term timeline.			
Political and legislative House sitting programme 3 days each week from:				tba				
Policy and governance MBIE information and forecasting: ~ NZ Energy Quarterly December quarter 2015 ~ Sales based elec. Costs for residential – next publication ~ Quarterly Survey of Domestic Elect. Prices – next publication ~ Electricity Demand & Generation Scenarios MBIE targeted Commerce Act review - subs due Office of the Auditor General – performance audit of publicly owned EDB MfE – ETS review – subs on priority matters EA governance and market monitoring: ~ EA Board meetings ~ Review of participant audit regime – subs due ~ Proposed code A to align market service provider roles with EA statutory objective and specific changes to System Operator role – subs due ~ SRC meetings ~ WAG meetings ~ RAG meetings	tba tba tba new new tba new tba tba			09 19 10	Last publication NZ Energy Quarterly, September quarter 2015 Last publication to September 2015 Last publication to 15-Nov-15 See “Transmission” page. See more details EDB page. Subs on remainder of issues due 30 th April. Proposes new Part 15A Audits, replacing audit requirements Parts 10, 11 and 15. March or April			
MEUG governance - Monthly meetings		16	27	17				
Seminars and other GIC, Mike Underhill, EECA, “Does gas fit into a low C future?” Stuart Dickson, Powerco, “Where does gas fit into a smart energy future” NZ Downstream conference BusinessNZ Energy Council & World Energy Council, Asia-Pacific Energy Leader’s Summit, Delivering Resilient Energy Infrastructure	new			19	Lunchtime seminar 2 nd and 3 rd March, Auckland 16-17 Mar, Wellington, www.bec.org.nz/summit			
Training Applied Theoretical Economics (ATE) research network 3rd Symposium “advances in industrial economics, competition policy and regulation”, Auckland Uni. of Auckland, Summer school in energy economics Energy Link training courses ~ Introduction to the electricity market ~ Nodal pricing of electricity ~ Hedging electricity	new new new	14-15		22-26	Wellington	Auckland	Wellington	Auckland
					08-Mar	10-May	19-Jul	18-Oct
					09-Mar	11-May	20-Jul	19-Oct
					10-Mar	12-May	21-Jul	20-Oct

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Common quality					
System Operator Draft (ancillary services) Policy Statement – SO to consider subs and then propose changes to EA	wip				
Review of IR event charge and cost allocation – WAG considering New extended reserves regime:					Annual cost/payments expected to be ~\$5m pa. Go live in 2017.
~ NI EDB and direct connects to provide data		18			
Reserves and Frequency Management (RFM) programme	ongoing				Joint SO web site and EA web site activity
~ RFM Engagement Group meeting					
~ IR: interim arrangements until NIRM implemented	ongoing				HVDC FIR sharing started Dec-14.
~ IR: Full National IR Market (NIRM) implementation					SO report to EA October 2016 on proof of concept on options such as utilising and encouraging faster reserve using area under the curve approach.
Generator fault ride through – Code amendment takes effect					Early 2016
System Operator Emerging Technologies programme, WS1 – System Operation					Results to be published between 2016Q4 and 2017Q2 and this will inform rest of work programme

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Security of supply					
Further report on security of supply implications due to Impact of thermal generator decommissioning ,	update			early 2016	Latest report published 9 th December.
2016 Security of Supply Annual Assessment – consultation starts					Either late 2015 or early 2016

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Wholesale Market					
MRP Southdown power station exits market		End Dec			
MEL's replacement Brooklyn wind turbine installed					Apr-16
ASX NZ futures and options market:					
~ ASX weekly market wrap newsletter to commence	new	soon			
~ ASX futures & options users' group meeting, Auckland			29		
FTR market:					
~ FTR monthly primary and <i>variation</i> auctions		9, <u>16</u>	13, <u>20</u>	10, <u>17</u>	FTR calendar
EA hedge market development:					
~ Implement establishment and market making for cap products per decision paper of 9 th December	decided				Implementation through to June
~ Offsetting ASX & spot market prudential requirements report	tbc				
~ Implement recommendations from WAG Hedge Market Development paper 4th August 2015 not listed elsewhere					Pending with immediate focus on facilitating the trading of standardised cap products and voluntary market making of those products.
~ Wholesale market information – review of clause 13.2 exclusions – WAG considering					WAG discussion paper early 2016.
~ Improving public access to fuel quantity information					EA to announce programme timeline.
Other EA wholesale market work:					
~ DD Infeasible NRS prices – EA Board considering					
~ Earlier gate closure, revised bid & offer provisions					Code amendment to come into effect 2017
~ Applications for shorter post-default exit period (Part 14)	tba				
~ Spot market review – options & issues paper published					Early 2016
~ Offer and dispatch: wind generation offers – WAG considering					
~ Stress test disclosure statements for 2016Q1 due	new	18			

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Retail Market					
Retail Data project					
~ Phase 1: Access to consumption data, code Δ comes into effect	confirmed			01	
~ Phase 2: Access to tariff data: Implement from 1 st February				01	
~ Phase 3: Access to monitoring data					
Effects of low fixed charges regulations – RAG to consider independent expert review of RAG's June 2015 paper to EA Board					
RAG work on domestic contracting arrangements	ongoing				Covers medically dependent consumers.
Secondary networks – RAG meeting to discuss					

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<u>Transmission</u> Major capex related: ~ Electricity Demand & Generation Scenarios – MBIE to publish inaugural EDGS ~ Nth Taranaki interconnection investigation Vector appeals on charges for NAaN assets commissioned early ~ High Court hearing of second action ~ Court of Appeal hearing of initial action TPM review – EA options and decision paper Transpower update Transmission Tomorrow (1 st version Jun-12)				end Feb 2016Q1	RFI by Transpower closed 29-Jul. MEUG will be following up with Transpower on status. Up to \$3.2m of prior year TPM charges at stake. 26 th April 2016 Early 2016

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<u>Distribution</u> Office of the Auditor General (OAG) –publicly owned EDB work: ~ “Energy lines companies: Managing critical infrastructure” ~ Results of the 2014/15 audits IM reviews for electricity, gas and airfield monopolies ~ Consumer engagement (IM review & Part 4 in general topic) ~ Gas pipeline issues engagement topic - written comments ~ Emerging technologies engagement topic, workshop → subs ~ Cost of capital issues engagement topic – subs due ~ Cost-effectiveness CPP requirements engagement topic – update on workshop planned for Feb-16 ~ CC to publish next process update ~ Risk allocation engagement topic – CC to advise next steps ~ Draft decision and reasons paper published/consulted on ~ Final decisions on review of all IM except Transpower Capex IM ~ Transpower Capex IM review EDB annual Information Disclosures – CC selected analysis Distribution pricing: ~ Distributed Generation Pricing Principles – EA consult ~ EA consultation paper, Implications of evolving technologies for pricing of distribution services - subs due Default distributor agreement – EA consult	confirmed confirmed confirmed	14 End 2015	28 29	04 Feb-16 Feb-16	Timing of reports not known but probably early to mid-2016 Part of OAG 2015/16 theme reports on “investment and asset management” CC to advise next steps at a date yet to be decided Mid 2016Q2 Dec-16 After 2016 Published either late 2015 or early 2016 Early 2016. This includes ACOT payments. 02-Feb Early 2016.

Frequently used abbreviations:					
Δ	change, or if referring to the Code, amendment	FIR	Fast Instantaneous Reserve	NZIER	NZ Institute for Economic Research
AEMO	Australian Energy Market Operator	FMCA	Financial Markets Conduct Act 2013	NZGA	NZ Geothermal Association
AMI	Advanced metering infrastructure	FK	Frequency keeping	NZPC	NZ Productivity Commission
AMWEs	Alternative methodologies (IM) with equivalent effect	FKC	Frequency keeping controller (HVDC bipole controls)	OAG	Office of the Auditor General
AoG	All of Government	FO	Franks Ogilvie	OIA	Official Information Act.
AOPO	Asset Owner Performance Obligations	FTR	Financial Transmission Rights	PROPS	Participant Rolling Outage Plans
APEV	Assoc. for the Promotion of EV	FPVV	Fixed price variable volume	PRS L/S	Price response schedule (L=long, S=short)
APR	Annual Planning Report (Transpower's)	GEIP	Good Electricity Industry Practice	QSDEP	Quarterly survey of domestic energy prices (MBIE)
ATH	Approved test house	GETS	Government Electronic Tender Service	RAG	Retail Advisory Group, convened by EA
AUFLS	Automatic Under-frequency Load Shedding	GNE	Genesis Energy	RFM	Reserves & Frequency Management programme
AWATEA	Aotearoa Wave & Tide Energy Assoc.	GPS	Gas Pipeline Services	RTD	Real time dispatch
BEC	BusinessNZ Energy Council	GTB	Gas Transmission Businesses	RTP	Real time pricing
BIM	Briefing for Incoming Ministers	GXP	Grid Exit Point	SI	South Island
CBA	Cost Benefit Analysis	HHI	Herfindahl-Hirschman Index	SIR	Sustained Instantaneous Reserve
CC	Commerce Commission	HHR	Half-hourly reconciliation (re data or meters) cf. NHH	SO	System Operator
CEN	Contact Energy	ICP	Individual Connection Point	SoO	Statement of Opportunities (published by EC)
CfD	Contracts for differences	ID	Information Disclosure	SOROP	System Operator Rolling Outage Plan
CIC	Customer investment contracts (Transpower)	IDD	Information Disclosure Determination	SoS	Security of supply
CMP	Capacity Measurement Period	IHD	In-home display ie smart meter display	SOSPA	System Operator Service Provider Agreement
COB	Close of business	IM	Input Methodology	SDP	Scheduling, Pricing & Dispatch (obj., model)
Code	Electricity Industry Participation Code 2010	IPP	Individual Price-Quality Path regulation	SM	Selection Methodology (for extended reserves)
CPP	Customised Price-Quality Path	IR	Instantaneous Reserves	SME	Small or medium enterprise
C&S	Clearing & Settlement (usually refers to Part 14)	IRIS	Incremental Rolling Incentive Scheme	SRC	Security and Reliability Council
CSF	Critical Success Factor	IWA	Ireland, Wallace & Assoc.	SSDG	Small scale DG (<10kW)
DCLS	Dispatch-capable load station (for DD "market")	LEANZ	Law & Economics Assoc. of NZ	subs	submissions
DD	Dispatchable Demand	LFC	Low fixed charges regulations	SWOT	strengths, weaknesses, opportunities and threats
DG	Distributed generation	MBIE	Ministry of Business Innovation & Employment	tba	to be advised
DPP	Default Price-Quality Path regulation	MDC	Medically dependent consumer	TOU	time-of-use (metering)
DUML	Distributed unmetered load	MEP	Meter equipment provider	TPM	Transmission Pricing Methodology
DR	Demand Response	MEPS	Minimum Energy Performance Standards	TPW	Trustpower
EA	Electricity Authority	MFK	Multiple FK	TRS	Technical Requirements Schedule (for ER)
EC	Electricity Commission (predecessor to EA)	MGUG	Major Gas Users' Group	UFM	Under-frequency management
EEA	Electricity Engineers' Association	MM	Market making	UoSA	Use of System Agreement
EECA	Energy Efficiency & Conservation Authority	MRP	Mighty River Power	VCT	Vector
EDB	Electricity Distribution Business	MUoSA	Model Use of System Agreement	VoLL	Value of Lost Load
EDF	Energy Data File (published by MBIE)	n.a.	not applicable	vSPD	vectorised SPD model
EDGS	Electricity Demand and Generation Scenarios	NHH	Non-half-hourly read, cf. HHR	VUW	Victoria University of Wellington
EGCC	Electricity & Gas Complaints Commission	NI	North Island	WACC	Weighted average cost of capital
EIEPs	Electricity Information Exchange Protocols	NIC	New Investment Contracts (with Transpower)	WAG	Wholesale Advisory Group, convened by EA
EIH	Expected Interruption Hours (for AUFLS)	NIRM	National IR Market	WEC	World Energy Council
EMANZ	Energy Management Assoc. of NZ	NIU	National Infrastructure Unit (part of Treasury)	WDS	Week-ahead dispatch schedule
ENA	Electricity Networks Association	NOI	Notice of Intention (formal notice by CC)	WIAL	Wellington International Airport Ltd
EPOC	Electric Power Optimisation Centre	NPV	Net Present Value	wip	work in progress
ER	Extended Reserves	NRS L/S	Non responsive schedule (L=long, S=short)	WITS	Wholesale Information & Trading System
ERM	Extended Reserves Manager	NZAS	NZ Aluminium Smelters	w/s	week starting
ETS	Emissions Trading Scheme	NZCID	NZ Council for Infrastructure Development	x-sub	cross-submission
EV	Electric Vehicles				