

Agenda

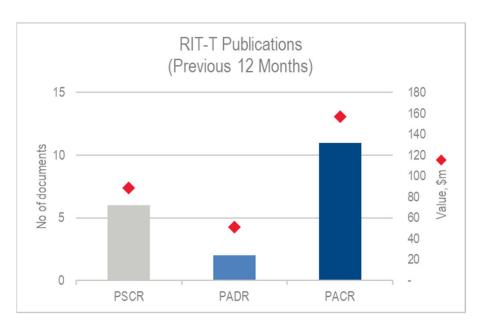


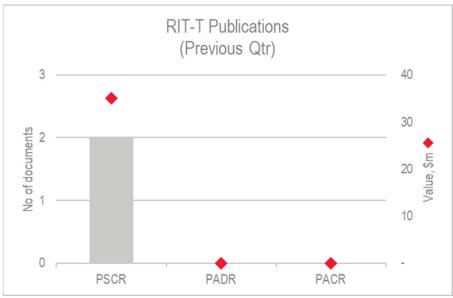
- Welcome and introductions
- Update on RIT-T for replacement projects
- AEMO's Integrated System Plan (ISP)
- Non-network IT expenditure Benefits Realisation Framework
- Update from Revenue Proposal Reference Group
- Stakeholder perception survey and Energy Charter update
- Afternoon tea break
- Business Narrative
- Review and update engagement approach for 2023-27 Revenue Determination process
- Transmission pricing consultation
- Close and thanks



RIT-T consultations in progress and upcoming

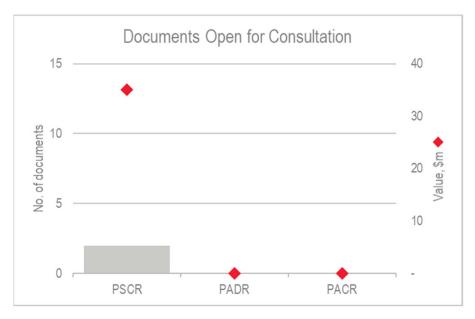


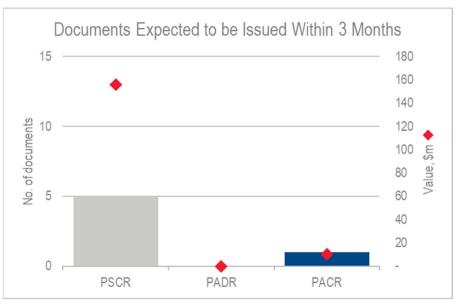




RIT-T consultations in progress and upcoming







RIT-T consultations in progress and upcoming



Engagement level	Project characteristics	RIT-T consultations	Proposed engagement activities
Minor (PADR Exempt)	 Non-network options unlikely No material market benefits identified Preferred option <\$41 million 	 Mt England Secondary Systems Gladstone South (& QAL West) Secondary Systems Cairns secondary systems Innisfail secondary systems Davies Creek to Bayview Heights transmission line refit Broadsound bus reactor (TBC) 	 Notification to Powerlink Non-Network Engagement Stakeholder Register AEMO Notice and summary Publication of RIT-T project details on Powerlink website Dedicated email contact to Customer Panel members Alerts through Powerlink's Twitter and LinkedIn accounts
Normal	 Minor network reconfiguration/ material impact on network users Possibility of non-network options Material market benefits identified 	Ross to Chalumbin transmission line refit (TBC)	In addition to engagement activities at minor level: • Webinars • Stakeholder briefings • Discussion at Powerlink's Customer Panel
Complex	 Network reconfiguration/material impact on multiple network users Likelihood of non-network options Significant market benefits identified 		 In addition to engagement activities at normal level: Stakeholder engagement plan Phone calls to key stakeholders Emails to all identified stakeholders Dedicated engagement forum to seek feedback on options

RIT-T update – Expanding transfer capacity on Qld/NSW interconnector

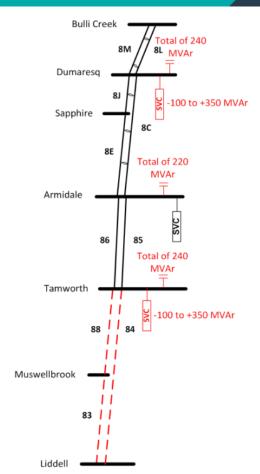


- PACR issued 20 December 2019
- Dispute period ended 22 January 2020 no disputes raised
- AER contingent project application process underway
- PACR confirms selection of Option 1a
 - approximately \$170 million in net benefits over the assessment period
 - reduce the need for new generation and large-scale storage in NSW following Liddell Power Station's forecast retirement
 - generate sufficient benefits to recover the project capital costs seven years after the option is commissioned.

RIT-T update – Expanding transfer capacity on Qld/NSW interconnector



- Key components of Option 1A:
 - uprating the Liddell to Tamworth lines
 - installing new dynamic reactive support at Tamworth and Dumaresq
 - installing shunt capacitor banks
- Works due to be completed in stages with all stages completed in 2022.

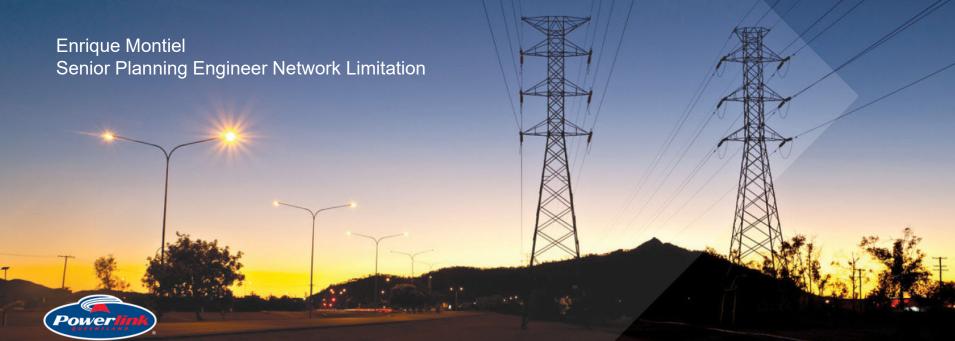


RIT-T update – Expanding transfer capacity on Qld/NSW interconnector



- Non-network option of a 'virtual transmission line'
 - comprises grid-connected battery systems and/or braking resistors
 - magnitude requires substantive additional network testing to determine technical feasibility (~12 months)
 - may form a potential credible non-network option as part of the proposed medium term QNI upgrade.
- Powerlink undertaking the necessary preparatory activities and will work with TransGrid to develop a schedule to publish the PADR for the proposed medium term QNI upgrade
 - PADR by 10 December 2021 allows for comprehensive assessment of the technical feasibility of virtual transmission line technology (encourage submissions to ISP).

AEMO's 2020 Draft Integrated System Plan (ISP)





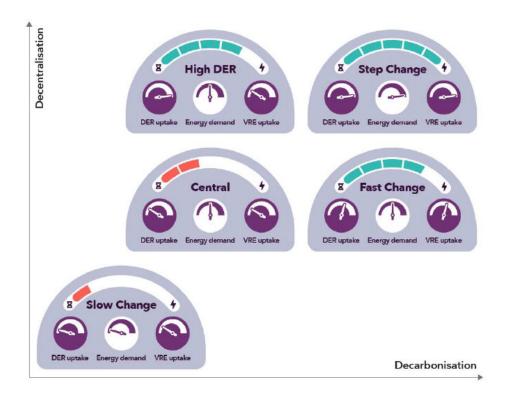
The plan

Powerlink's submission





Scenarios and scenario planning



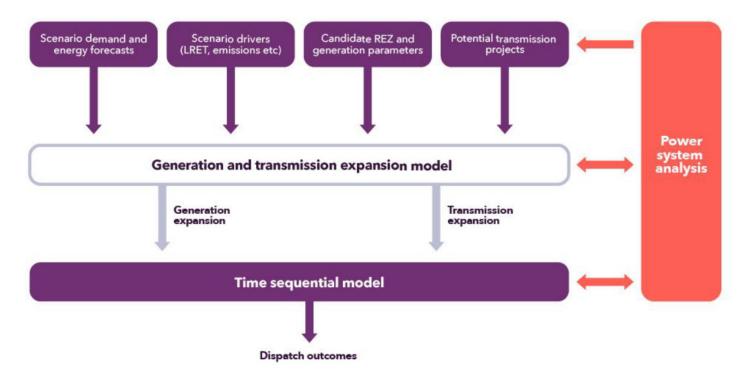


Scenarios and scenario planning

- Five scenarios: central, slow change, high DER, fast change and step change
- Six sensitivities:
 - Four year delay of Snowy 2.0 to 2028/29
 - 2027 full closure of Yallourn Power Station (~4 year advancement)
 - Completion of Marinus Link by 2026/27 and (optionally) a further link (750MW) in 2031/32
 - Queensland Renewable Energy Target
 - 2GW of variable renewable energy in Central West New South Wales Renewable Energy Zone by 2028
 - Closure of Alcoa Portland Aluminium Smelter in 2021/22.



Market modelling/optimisation





Dealing with an uncertain future

- Base case per scenario/sensitivity: {C1_{S1}, C1_{S2}, C1_{S3}, C1_{S4}, C1_{S5}}
- Transmission development path: $\{C2_{S1}, C2_{S2}, C2_{S3}, C2_{S4}, C2_{S5}\}$ possibly five different paths
- Regret analysis

'The plan' is the path with the least maximum regret

	Path 1	Path 2	Path 3	Path 4	Path 5
Scenario 1	\$##	\$##	\$##	\$##	\$##
Scenario 2	\$##	\$##	\$##	\$##	\$##
Scenario 3	\$##	\$##	\$##	\$##	\$##
Scenario 4	\$##	\$##	\$##	\$##	\$##
Scenario 5	\$##	\$##	\$##	\$##	\$##
Maximum	\$##	\$##	\$##	\$##	\$##







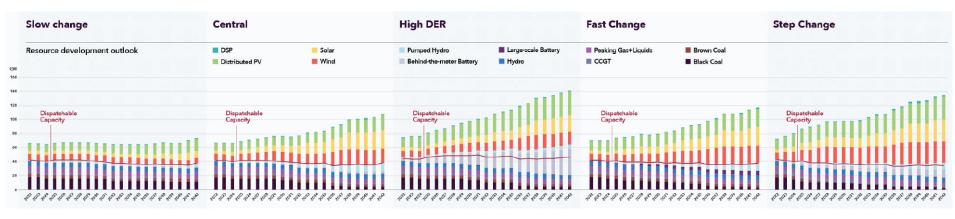




Table 4 Ideal timing and benefit of "no-regret" grid augmentations (NPV, \$ billion)*

Scenario	No re	gret grid aug	mentation pr	ojects	Cost-benefit analysis			
	QNI Minor	VNI Minor	Energy Connect	Humelink	Total system costs† without projects	Total system costs† with projects	Net market benefits	
Central	2022-23#	2022-23	2023-24	2025-26	87.53	85.34	2.18	
High DER					80.27	78.50	1.78	
Step Change					92.15	90.98	1.17	
Slow Change					57.69	56.77	0.93	
Fast Change					85.74	83.84	1.90	

[†] Note that absolute Total System Cost NPV across scenarios should not be compared as they are based on different assumptions, not all of which directly related to the energy sector.

Represents the present value of annual net market benefits from 2019-20 to 2041-42, determined by comparing total system
costs of the no-regret investment decisions against an alternative without these investment decisions.

[#] Currently on track to be commissioned by December 2021, earlier than originally advised as practical, and assumed in this Draft ISP modelling.



Table 5 Benefit and ideal timing for regional interconnectors (NPV, \$ billion)

Scenario	Interconn	nectors (furt	her to 'no r	egret' augmen	tations	Cost-benefit analysis			
	QNI Medium	QNI Large	VNI West	Marinus Link 1st Cable	Marinus Link 2nd Cable	Total system costs without interconnectors	Total system costs with interconnectors	Net market benefits	
Central	2028-29	2031-32	2031-32	2036-37		85.34	84.91	0.43	
High DER	2028-29		2031-32	2036-37		78.50	78.28	0.21	
Step Change	2026-27		2027-28	2026-27	2031-32	90.98	89.81	1.16	
Slow Change	2028-29					56.77	56.60	0.17	
Fast Change	2026-27		2030-31	2036-37		83.84	83.63	0.21	



Table 14 Regret costs of the 'adapted optimal' of each development path under each scenario (NPV, \$ million)

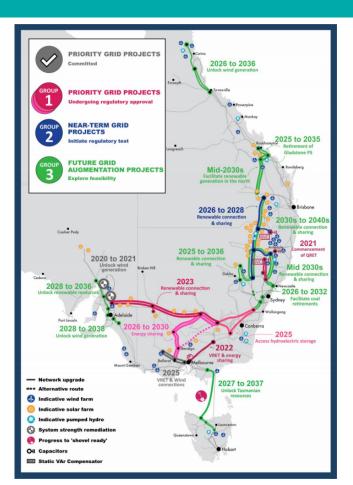
Scenario / Sensilivily	No accelerated action	Accelerated VNI West	Accelerated Marinus Link	Accelerated VNI West and Marinus Link	Accelerated VNI West and shovel-ready Marinus Link
Central	0	-67	-288	-380	-108
High DER	0	-83	-279	-470	-124
Step Change	-240	-139	0	0	0
Slow Change	0	-25	-130	-155	-155
Fast Change	0	-80	-25	-170	-121
Worst Regret	-240	-139	-288	-470	-155
Early retirement	-118	0	-156	-307	-41
No QRET	0	-49	N/A	N/A	-94
Snowy 2.0 delay	0	-66	-281	-372	-107
Central West NSW REZ	0	-83	N/A	N/A	-129
Early load closure	0	-32	N/A	N/A	-78



Table 13 Net market benefit of each development path under each scenario (NPV, \$ billion)

Scenario	No accelerated action	Accelerated VNI West	Accelerated Marinus Link	Accelerated VNI West and Marinus Link	Accelerated VNI West and shovel-ready Marinus Link
Central	2.61	2.55	2.32	2.23	2.51
High DER	1.99	1.91	1.71	1.52	1.87
Step Change	2.10	2.20	2.34	2.34	2.34
Slow Change	1.10	0.99	0.98	0.87	0.87
Fast Change	2.11	2.03	2.08	1.94	1.99





Powerlink's submission



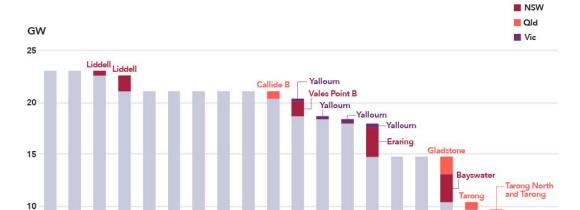
- Further analysis for 2020 ISP
 - Consideration of 'virtual transmission line' option
 - Understand sensitivity of investment to rooftop penetration rate

Network hosting capacity

- Improvements to 2022 ISP
 - Marginal loss factors
 - Asset reinvestment cost opportunities

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Remaining generation

Figure 9 Coal-fired generation remaining as power stations retire*

Financial year ending

2029 2030

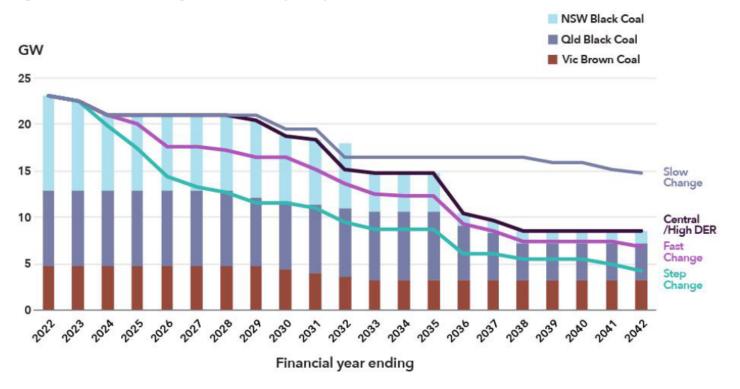
2031 2032

2023 2024 2022 2020 2021 2028 2028

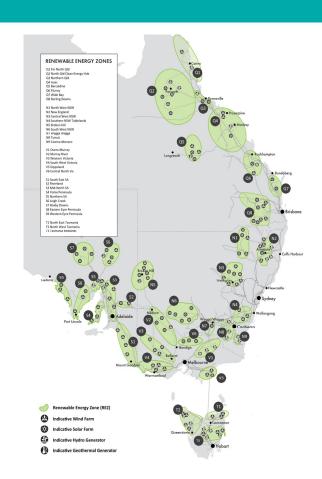
^{*} Based on expected closure years provided by participants as of November 2019. Modelled outcomes vary slightly from these timings and are based on expected closure years reported in August 2019.

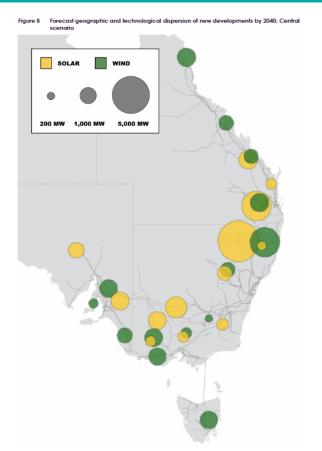


Figure 14 Coal-fired generation capacity to 2042, all scenarios









Queensland generation development



FNQ/Isaac generation capacity

		Solar	PV (MW)		Wind (MW)				
Scenario	Existing / committed		Projecte	d	Existing / committed	Projected			
	< 2022	2022-30	2030-35	> 2035	< 2022	2022 - 30	2030-35	> 2035	
Central						700	700	1,700	
Step		Th		Constitution of the	180	1,500	1,500	2,300	
High DER	10			, for all scenarios, I solar generation		700	700	1,600	
Fast		IOT WIS NEZ		700	900	1,800			
Slow						-	-	600	
Pumped	Hydro								
				*	Pumped Hydro	for Queen	sland (MW)		
Far North O	ueensland has go	ood potential	pumped		Projected				
hydro locati	ons just north of	Cairns and to	wards the		2022-30	2030	-35	> 2035	
North East around Desailly. The transmission network near this location are weak and upgrades would be required to accommodate large scale pumped hydro. There is also potential pumped hydro locations near Herberton within proximity of the Walkamin/Woree – Chalumbin 275 kV lines.			would be	Central	-	1,20	00	2,900	
			Step	300	1,85	60	3,000		
			High DER	-	-		1,350		
				Fast		1,55		3.500	

Variable	Renewabl	e Energy	Outlook					
		Solar	PV (MW)			Win	d (MW)	
	Existing / committed		Projected		Existing / committed		d	
	< 2022	2022-30	2030-35	> 2035	< 2022	2022-30	2030-35	> 2035
Central						-	-	1,000
Step		Th				1,000	1,000	1,000
High DER	562	The modelling outcomes, for all scenarios, did not project additional solar generation				-	-	1,000
Fast			for this REZ			600	1,000	1,000
Slow						-	-	-
Pumped	Hydro							
					*Pumped Hy	dro for Que	ensland (MW	
					Projected			
					2022-30	20	30-35	> 2035
	umerous potent n East and Souti			Central	-	1	,200	2,950
variable generation projected for North and Central Queensland, strategic development of large scale storage could defer some transmission augmentations.			Step	300	1	,850	3,000	
			High DER	-	-		1,350	
			Fast	-	1	,550	3,500	
				Slow	-		-	-

Queensland generation development



Wide Bay/Fitzroy generation capacity

Variable	Renewable	Energy O	utlook					
		Solar I	PV (MW)					
	Existing / committed							
	< 2022	2022-30	2030-35	> 2035				
Central		-	-	500				
Step		500	500	500				
High DER	131	-	-	500				
Fast		-	500	500				
Slow		-	-	-				

Variable	Renewabl	e chergy	Outlook					
		Solar	PV (MW)		Wind (MW)			
	Existing / committed	Projected			Existing / committed	Projected		
	< 2022	2022-30	2030-35	> 2035	< 2022	2022-30	2030-35	> 2035
Central		1,500	1,500	1,500		300	300	900
Step		-	-	-		900	900	900
High DER	-	1,800	1,800	1,800	-	-	-	900
Fast		-	-	-		600	900	900
Slow		-	-	-		-	-	-
Pumped	Hydro							
					*Pumped Hy	dro for Que	ensland (MV	1
	umped hydro loo					Pro	jected	
	ear Bouldercom projection in Sol				2022-30	20	30-35	> 2035
	e CQ-SQ cut set I be required to			Central	-	-	1,200	2,900
projection in generation. Having pumped hydro in this location or any location in the north of Queensland			Step	300	1	1,850	3,000	
would assis	t to reduce the r	new developr	nent project.	High DER	-		-	1,350
Fitzroy is a good location, storage here would assist to firm up the solar generation projected under the			Fast	_		1.550	3.500	

Queensland generation development



Darling Downs generation capacity

Variable	Renewable	Energy O	utlook					
		Solar P	V (MW)	Wind (MW)				
	Existing / committed		Projected		Existing / committed	Projected		
	< 2022	2022-30	2030-35	> 2035	< 2022	2022-30	2030-35	> 2035
Central		1,500	1,500	3,600		1,400	1,400	1,400
Step		1,000	3,800	7,700		3,000	3,000	4,100
High DER	417	1,400	1,400	3,500	453	900	900	1,400
Fast		400	2,600	6,400		-	1,400	3,300
Slow		-	-	-		-	-	-
Pumped	Hydro							
					*Pumped Hy	dro for Quee	nsland (MW)	
						Proje	cted	
Large scale s	solar and wind ge	eneration is pr	ojected in the		2022-30	203	0-35	> 2035
	ns area. Darling load centre as w			Central	-	1,2	00	2,900
Wales via the Queensland to New South Wales interconnector. Storage in this location would be				Step	300	1,8	50	3,000
beneficial to	help firm the sol	lar generation	projected	High DER	-		-	1,350
			,	Fast	-	1,5	50	3,500
				Slow				



Figure 81 Forecast NPV of total costs to 2041-42, comparing optimal development path to counterfactual, Central scenario

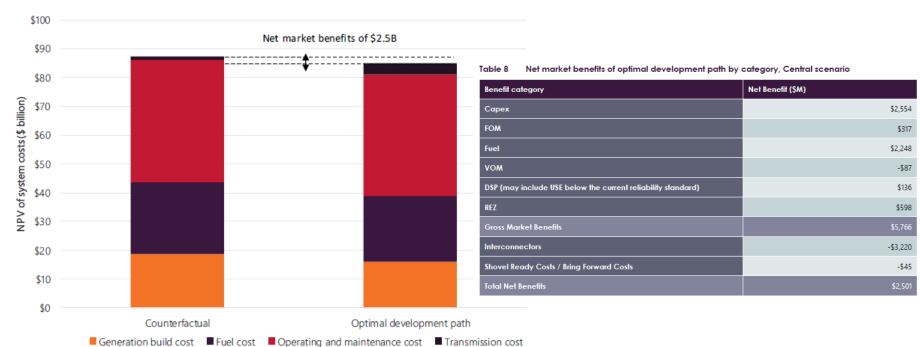
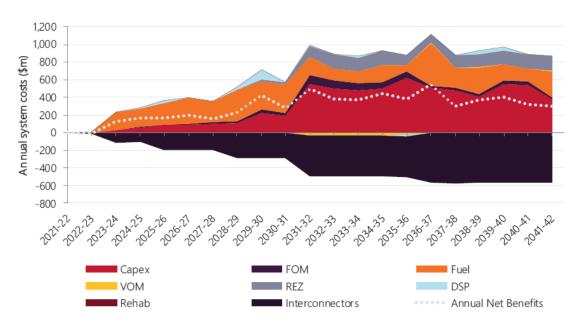




Figure 80 Forecast optimal development path net annual benefits to 2041-42, Central scenario



Note: The annual system costs in the figure do not include the costs associated with the development of Marinus Link or VNI West as "shovel ready". In this scenario, the shovel ready costs associated with Marinus Link are presented in the accompanying table.



Figure 82 Forecast capacity developments to 2041-42 for the optimal development path compared to no interconnectors, Central scenario

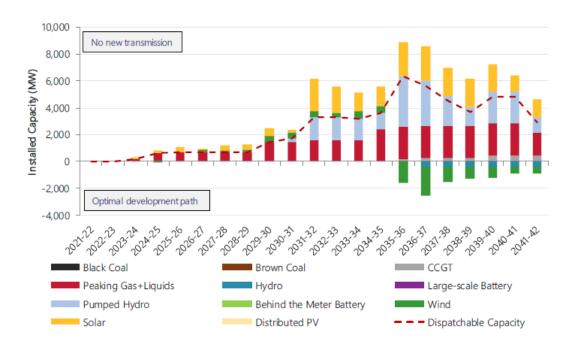


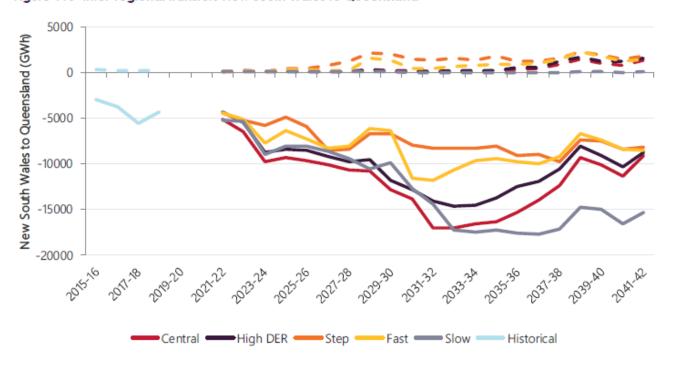


Figure 83 Forecast generation outcomes to 2041-42 for the optimal development path compared to no interconnectors, Central scenario





Figure 110 Inter-regional transfers New South Wales to Queensland



Non-network IT expenditure – Benefits realisation framework

Mark Pozdena General Manager Business IT

Brian Atkin
Manager IT Planning, Investment and Value



Customer Panel's initial feedback



At the December 2019 Customer Panel meeting, we asked:

In a new IT Benefits Realisation Framework, what would be **mandatory assessment criteria** and **associated metrics** to support decision making throughout the portfolio and project lifecycle?

What did we do with your feedback?

We applied it to our new Benefits Realisation Framework and incorporated it across our Program and Project Delivery Framework.

Summary of Customer Panel feedback



Your feedback: what would be ... "a mandatory assessment criteria" ... to support decision making?

- Benefits justifiable and defendable
- Absolute "must haves" gatekeepers
- Improved alignment to architecture
- Full lifecycle cost be wary of hidden costs e.g. training, subscriptions
- Change management considerations
- Risk analysis at front end
- What is the real impact on the business?
- Capacity/capability of business to absorb (and roll-out) resulting level of change
- Security improves over time
- Can investment be staged to roll over period of time?
- Fit-for-purpose approach e.g. business cases
- 'Reliability' relative to being on target to meet standards (required parameters to achieve desired parameters)

- Whole-of-life assessment
- Economic cycle investment considering regulatory impacts (five year) for opex/capex
- Objective criteria as much as possible. Clearly understand the objectives we are trying to achieve.
- Translation of outcomes into consumer/customer terms
- Traceability to customer outcomes (public documents)
- "Better service/safer service" is identified with costs e.g. "better data collection"
- Quantifiable/tangible terms (relatable)
- Lessons learnt input
- Establish thresholds for categories (including bringing to Customer Panel for discussion/similar to RIT-T).

Summary of Customer Panel feedback



Your feedback: what would be ... "associated metrics"... to support decision making?

- % increase of investment = % increase of benefits
- Consider scrutiny on all projects (potential investment) → but set the bar higher for bigger \$
- Aligns to architecture principles
- Process changes, business capability to realise and embed benefits
- Very explicit link between projects and opex (manages scope creep risk – onus on Powerlink to manage costs)
- Ongoing analysis during project lifecycle
- Tools (and expenditure) meet true business needs removes gold plating e.g. iPhone 7 vs iPhone 10
- Dollar per customer

- System rationalisation
- Efficiency productivity
 - time savings
 - responsiveness
 - dollar per user in context
- Training time ease of access and how receptive staff might be
- Number of projects submitted not taken up e.g. Gates 1 and 2
- Reliability profile is it evolving the way it was planned?
- Operational
- Cost per service
- End \$ compared with approved \$

February 2020 update



- Business IT has developed a new IT Benefits Realisation Framework using the AER
 Guidance for non-network ICT capex expenditure (28 Nov 2019) (including categories) and incorporating feedback from the December 2019 Customer Panel discussion (for assessment criteria and measures).
- This Benefits Framework and assessment criteria has been applied across the Business IT
 Program and Project Delivery Framework and is transitioning towards full implementation for 2020/21. It will be continuously reviewed and improved over the next two financial years.
- The Benefits Framework covers the end-to-end process from initiative idea through to planning, delivery and benefits realisation.
- It will improve investment decision making when choosing the right projects and help us to make informed decisions as investment progresses (e.g. stopping projects where it is determined that benefits can no longer be realised).

Categories and criteria



IT Expenditure Categories – AER guidance

Category	Sub-category	AER assessment tools
Recurrent		Trend analysis Benchmarking Business case
Non-recurrent	Maintain	Business case
	Comply	Business case
	New/expand	Cost benefits analysis with positive Net Present Value (NPV)

IT assessment criteria and high-level measures/values

Criteria	Type of measure	Value
Cost and return on investment	Financial	Positive NPV of 10% higher than cost
Counterfactual	Financial	Positive NPV
Strategic alignment and value	Scored assessment	Greater than 50%
Ease of business change	Scored assessment	Greater than 50%
Architecture alignment	Scored assessment	Greater than 50%
Ease of delivery and operation	Scored assessment	Greater than 50%

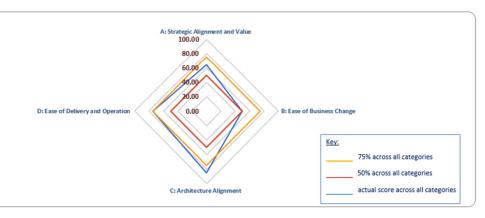
Sample of scoring assessment



D5	Customer Engagement Customer = beneficiary of the services/products that the initiative delivers	5	No customer(s) have been identified or engaged	-	-	Customer(s) have been identified but not yet engaged	-	Customer(s) have been or will be engaged appropriately during the project to provide input	5
D6	Stakeholder Engagement Stakeholder = people who are required to contribute to / give input for the initiative	5	No stakeholder(s) have been identified or engaged	-	-	Stakeholder(s) have been identified but not yet engaged	÷	Stakeholder(s) have been or will be engaged appropriately during the project to provide input	5
D8	Articulation of measures (output, outcome, benefits)	3	Measures are not articulated	Measures are vague and not measurable	Measures are vague and measurable	Measures are specific but not defined	Some measures are fully articulated (specific and defined)	All measures are fully articulated (specific and defined)	3
	Operational Impact								
D9	Level of support required post implementation	1	Major impact on operational processes and additional resources required	Major impact on operational processes but no additional resources required	Moderate impact on operational processes and additional resources required	Moderate impact on operational processes but no additional resources required	Limited impact on operational processes and no additional resources required	Little impact on operational processes	1
D10	New hardware to be introduced (server, storage, routers, firewall)	5	Major new hardware implemented into landscape from new vendors	Major new hardware implemented from existing vendors	-	Some new hardware introduced (later products from existing vendors)	Some upgrades required to existing landscape (additional platforms of same models)	Solution can be deployed within existing landscape	5
D11	Will there be any impacts to capacity and performance to affected or downstream systems:	3	Extensive impact (requires additional capacity and other infrastructure)	Significant impacts (requires either additional capacity or other infrastructure)	Major impacts	Moderate impacts	Minor impacts	No impacts	3
D12	Will there be any change to ongoing operational costs:	3	Excessive additional costs (>\$150K)	Significant (\$101 - \$150K)	Major additional costs (\$76 - \$100K)	Moderate additional costs (\$51 - \$75K)	Minor additional costs (<\$50K)	None	3

Assessment Scores Item Key: **Ungraded Items:** Ungraded Items: **Potential impacts** ■ Potential impacts **Potential Cavets** 13 ■ Potential Cavets Potential no concerns Potential no concerns Risk Outcome: Assessment: Score A: Strategic Alignment and Value 64.00 Medium Risk B: Ease of Business Change Medium Risk 50.00 C: Architecture Alignment 84.80 Low Risk D: Ease of Delivery and Operation 74.40 Low Risk Overall Score (not weighted) **Medium Risk** 68.30 **Overall Weighted Score** 68.12 Medium Risk

Assessment Profile:





IT PROJECT PHASES



NVESTMENT

To gather a high-level understanding of the business need and perceived value of the initiative in order to determine if the 'idea' has merit to proceed to a formal project.



BUSINESS CASE

To further define benefits, requirements and possible solutions in order to make an informed decision whether the cost/value is worthy of actual investment in the project.





IMPLEMENTATION

To deploy and implement organisational changes, including training required to support the live solution. Deploy the solution and support the transition to business and usual functions.





DEVELOPMENT

To finalise business and technical requirements; design, build and test the selected solution. Plan for organisational change required to embed the solution.





To finalise administrative tasks, formally close project and conduct a lessons learned. Transfer residual benefits and risks to business owners.



BENEFITS REALISATION

To ensure residual project benefits are managed, actioned and realised.

These criteria and measures will be assessed and continuously improved over a multi-year period after initial implementation.



IF THE PROJECT DOESN'T MEASURE UP AGAINST ALL OF THESE CRITERIA THEN IT IS STOPPED, IF IT DOES STILL MEASURE UP THEN IT WILL CONTINUE.

These criteria are specifically applicable to projects that are categorised as Non-recurrent with new or expanded capability.

GATE CRITERIA

MEASURES



COST AND RETURN ON INVESTMENT

The overall full cost of the initiative and the expected return on investment.

TYPE OF MEASURE Financial Positive NPV of 10% higher than cost



COUNTERFACTUAL

The overall full cost of not doing the initiative. This is the cost of continuing not to mitigate the inefficiency and/or risk that the initiative is expected to mitigate.

TYPE OF MEASURE Financial Positive NPV



STRATEGIC ALIGNMENT AND VALUE

to the strategic outcomes of Powerlink. There must be a demonstrable link between the deliverables of the project/initiative and Powerlink's strategy.

TYPE OF MEASURE Scored Value greater than 50%



EASE OF BUSINESS CHANGE

The change management effort involved in implementing the

TYPE OF MEASURE Scored Value greater than 50%



ARCHITECTURE ALIGNMENT

Whether the project will utilise existing technology that Powerlink already has capability to support and/or can integrate without introducing new risk.

TYPE OF MEASURE Scored Value greater than 50%

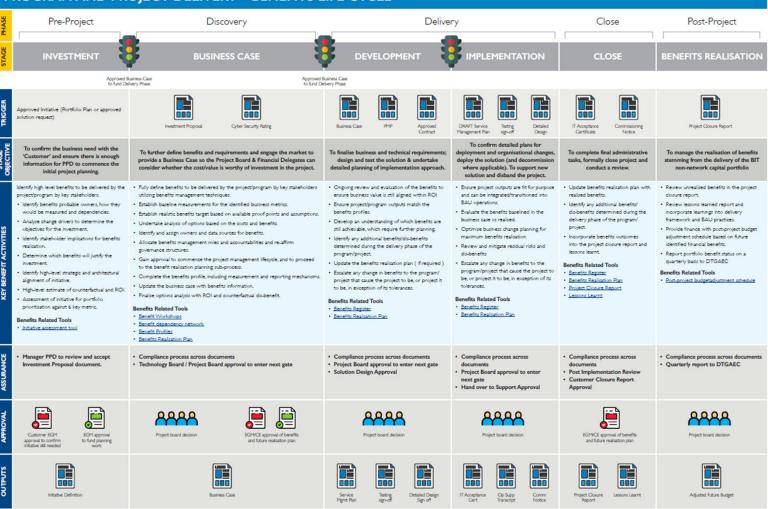


EASE OF DELIVERY AND OPERATION

Ease with which the project can be delivered and how well Powerlink as a whole is positioned to effectively utilise the outputs of the project/initiative.

TYPE OF MEASURE Scored Value greater than 50%

PROGRAM AND PROJECT DELIVERY – BENEFITS LIFE CYCLE



Update from the Revenue Proposal Reference Group

Dr Georgina Davis CEO Queensland Farmers' Federation

Matthew Myers Manager Revenue Reset



Review of the Revenue Proposal Reference Group Meeting 31 January 2020

- 1. Annual Benchmarking Report (data 2017/18)
 - *while Powerlink was at the bottom, position starting to lift due to a reduction in OPFX
- * Energy not supplied
- * One-off events impact despite little change to productivity change
- * Does this lead to perverse outcomes (overinvestment)
- * Next AER benchmark report due before RP submission
- * AER reluctant to comment































2. ISP and Contingent Projects

- * Definition (projects that 'pop up' between RP periods)
- * Still need a RIT-T (could be done in parallel)
- * Implications for some of the new interconnectors proposed
- * Question to AER regarding monitoring of what is BAU with RIT-T versus ISP projects
- * Different levels of assessment <\$1B versus over
- * Review of ISP 2020
- * Impacts of REZs need for further investment but need to protect consumers
- * Role of AER
- * Cost assumptions in ISP made by AEMO advocate concerns
- * Duplication of work between AEMO and TNSPs































3. Business Narrative

- * We are reviewing this today
- * Initial comments, included target audience, expand on risks and environment, revisit vision as Powerlink provides energy to non-Queenslanders

4. Service Target Performance Incentive Scheme (STPIS)

- * Incentive for reliability and availability of electrons more just reliability now
- * Historically performed well
- * Impact of RE/REZs on future signal strength
- * Approach to AER to reconsider scheme
- * \$40M fines for Powerlink who pays?





























2019 Stakeholder Perception Survey Insights



Methodology

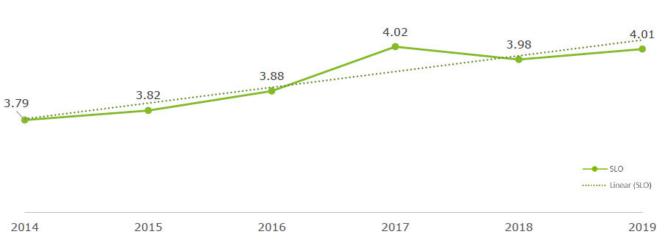


- This year is an online 'pulse' survey 95 respondents using self complete web-based questionnaire
- Survey provides insights into:
 - Social licence to operate (SLO) and reputation scores
 - Key stakeholder issues
 - Customer service perceptions

Social Licence to Operate



2014 - 2019 Social licence to operate



 Powerlink's social licence to operate is in the high approval range

sextile 1/6th	lower bracket	upper bracket	range and verbal label
6	4.30	5.00	>4.30 to 5.00 = full trust
5	3.93	4.30	>3.93 to 4.30 = high approval
4	3.56	3.93	>3.56 to 3.93 = low approval
3	3.08	3.56	>3.08 to 3.56 = high acceptance/ tolerance
2	2.40	3.08	>2.40 to 3.08 = low acceptance/ tolerance
1	1.00	2.40	1.00 to 2.40 = withheld/ withdrawn

Reputation



2014 to 2019 overall reputation



Reputation by stakeholder group

Stakeholder Group	Reputation Score 2019
Contractor/Supplier	4.50
Consumer Advocacy Group	4.50
State Government	4.44
Local Government	4.33
Industry Association	4.00
Environmental/Community group	4.00
Utilities	3.83
Landholder	3.67
Regulator	3.67
Customer	3.32

Overall

4.03

Maximum possible score 5

Key issues and insights





Insights are reflective of challenges in responding to the rapidly changing environment.



Accountability Panel Report



- Published on 4 December 2019
- Placed a high level of value on CEO meetings
- Six major themes identified:
 - 1. Know your customers and communities
 - 2. Go above and beyond compliance
 - Leverage high-impact points for change together
 - 4. Develop metrics and report on progress
 - 5. Close the loop on initiatives
 - 6. Elevate and optimise dispute resolution
- 32 recommendations



Building Trust Together

Evaluation Report November 2019
2019 Energy Charter Disclosures



Accountability Panel Report



Improvements for Disclosure Statements:

- Better categorise customer segments
- Include summary of Disclosure development and approval process
- Be clear on areas for improvement including acknowledging past poor performance
- Target shorter document 15 pages long
- Avoid repetition of information across principles
- Avoid reference to outcomes which are related to compliance with regulation or rules
- Provide clarity on how staff incentives are directly related to better customer outcomes
- More focus on community and environment from a safety perspective.



Building Trust Together

Evaluation Report November 2019
2019 Energy Charter Disclosures



Powerlink 2020 Disclosure Statement



Keep it concise and accessible (15 pages)

- Introduction by Chair, CEO and Customer Panel (1 page)
- Self-assessed maturity across all Principles in a table (1 page)
- "Our customers and our communities" (1-2 pages)
- Case studies our customer outcomes 2020 and reporting on commitments from last year's disclosures (1-2 pages)
- Each Principle evidence of maturity and opportunities for continuous improvement (7- 10 pages)
- Corporate Scorecard (1- 2 pages)



Q. How else can we improve our 2020 Disclosure Statement?

Better Together Initiatives



- Purpose is to progress collaboration across the energy sector that leads to tangible customer outcomes aligned to the Energy Charter
- Currently 14 Better Together Initiatives
- Ensuring that initiatives align with priority areas identified by Accountability Panel Report

BT#1 – Know your customer and communities

- More consistent approach to customer engagement across the industry
- Better-practice repository
- Identify opportunities for collaborative engagement by energy businesses

BT#2 - Customer Voice

- Ensuring customer voice is embedded at Board level
- Forming working group with view to publish report in late 2020







Business Narrative



Purpose

 Provide a broader context to Powerlink's 2023-27 Revenue Proposal, including our long-term view about our operations, challenges and opportunities and how we plan to deliver better value for our customers.

Feedback received from RPRG

- Clearer on target audience
- · Reference environment as driver
- Customer driver needs to focus on more than just affordability
- Stronger emphasis that we do not replace 'like for like'
- Outline how the Revenue Proposal will respond to challenges



We are seeking feedback from the Customer Panel:

- What are your views on the updated business narrative (topics covered, detail provided, readability)?
- What improvements should we consider?



Gerard Reilly
General Manager Communications



Progress to date



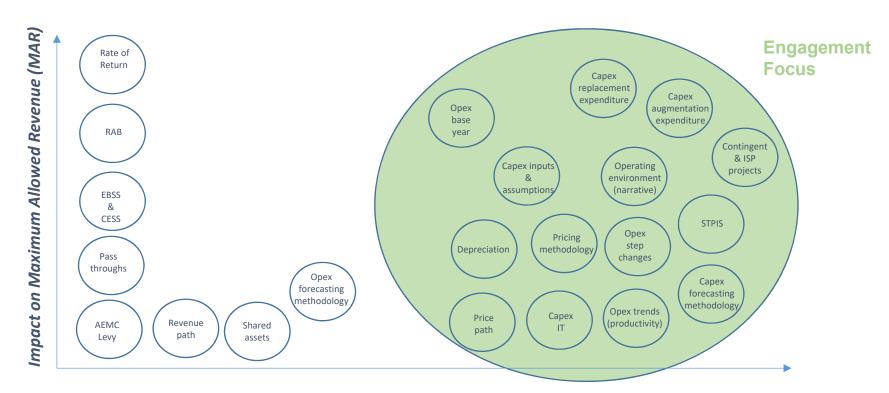
2023-27 Revenue Determination Process Engagement Goal

To undertake engagement to deliver a Revenue Proposal that is capable of acceptance by our customers, the Australian Energy Regulator and Powerlink

- Co-Design Workshop May 2019
- Draft Engagement Plan circulated for comment August to September 2019
- Established Revenue Proposal Reference Group December 2019
- High level early forecasts released December 2019



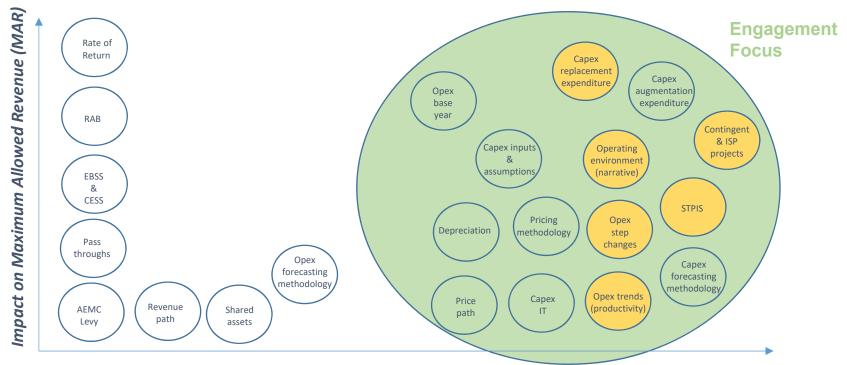




Ability to influence as part of Revenue Determination Process

Engagement scope





Ability to influence as part of Revenue Determination Process

Highlighted circles indicate Powerlink's current view of areas of higher engagement focus.

Q. Do we need to change the elements of the Revenue Proposal in our engagement focus?

Engagement evaluation



What are we measuring	How are we going to measure	KPI
Effectiveness and quality of information provided to stakeholders	 Pulse check surveys Informal debriefs Test materials (e.g. information sheets) with customers 	70% of participants rated the information provided relevant and accessible
Satisfaction level of stakeholders with engagement activities	Post-activity satisfaction surveysInformal debriefs and feedback.	An overall satisfaction rating of 7/10 for engagement activities
Stakeholders were engaged at appropriate level on the IAP2 spectrum	 Survey/solicit feedback from external stakeholders Internal review Peer review/audit 	Identified that majority of stakeholders had appropriate level of influence on Powerlink decision-making
Impact of engagement on Powerlink decision making and quality of feedback/input received	 Survey/solicit feedback from external stakeholders Internal review Peer review/audit 	Ability to demonstrate what changed as a result of engagement.
Timely delivery of engagement program	Internal monitoring	Engagement program delivered on-schedule.
Improvement in social licence to operate score and reputation scores	Formal research via the Stakeholder Perception Survey	Improvement in social licence to operate and reputation scores, and positive verbatim feedback regarding Revenue Determination process engagement.

Q. Can we improve the way we evaluate our engagement?

Engagement timeline



Our proposed engagement schedule

			2019			2020											2021	
	Aug	Ѕер	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sep	Oct	Nov	Dec	Jan
Regulatory milestones			Powerlink notifies AER on need for Framework & Approach (F&A stage)		notice on need for F&A amendments or		AER publishes F&A Position Paper				Powerlink submits Expenditure Forecasting Methodology to the AER	Final F&A						Powerlink lodges Revenue Proposal
	Customer Panel Meeting Engagement Plan	Annual Transmission Network Forum			Customer Panel Meeting Business narrative, benchmarking		Customer Panel Meeting Contingent and ISP projects, IT capex			Customer Panel Meeting Expenditure Forecasting Methodology		Customer Panel Meeting PPFP and deep dive topics		Annual Transmission Network Forum		Customer Panel Meeting Detailed session on Revenue Proposal		
Engagement activities			Revenue Prop meetings	oosal Reference	Group		Revenue Proposal Reference Group meetings											
	Webinars/workshops on key elements of the Reven Capital expenditure forecasts and methodology Operating expenditure forecasts and methodolog The operating expenditure forecasts and methodolog Operating expenditure forecasts and methodolog Integrated System Plan (ISP) and contingent proje Service Target Performance Incentive Scheme (ST						Powerlink releases Preliminary Positions and Forecasts Paper (PPFP) Powerlink releases Preliminary Positions and Forecasts Paper (PPFP) Regional forums											
								One-	on-one briefir	ngs – ongoing as	required					· · · · · · · · · · · · · · · · · · ·		·



Engagement timeline



Proposed new timings

- Change the timing of the Preliminary Positions and Forecasts Paper from June to July 2020
- One month public submission period in August 2020
- Deep dives in August/September 2020, as required
- Regional engagement forums in August/September 2020
- Customer Panel meeting in November 2020 will focus on Revenue Proposal.

Q. Are there any other ways we can improve our engagement?



Pricing consultation recap



- Transmission pricing Consultation Paper published July 2019
- Rationale: promoting more efficient use of the network and lower costs for customers in the future
- Engagement: informed and guided by Customer Panel, our customers, network service providers and other stakeholders
- Pricing criteria: equity/fairness, price stability and transparency, and efficient price signals
- 10 pricing options across four broad groups:
 - alternatives to cost reflective network pricing
 - improving how transmission customers are charged
 - peak and off-peak
 - other initiatives.

Stakeholder feedback



- General support for the proposed criteria, noting there would be potential trade-offs
- Support for the general direction of the review and acknowledgement there may be potential value in greater alignment with distribution pricing structures
- Customers want to understand the full implications of alternative pricing methodologies before providing specific comments
- Some customers considered there was merit in investigating a higher weighting of locational costs, moving towards capacity based pricing and alternatives to peak/off-peak pricing
- Interest in why Powerlink is looking to enhance demand based signals when demand is not driving network constraints.

Proposed way forward

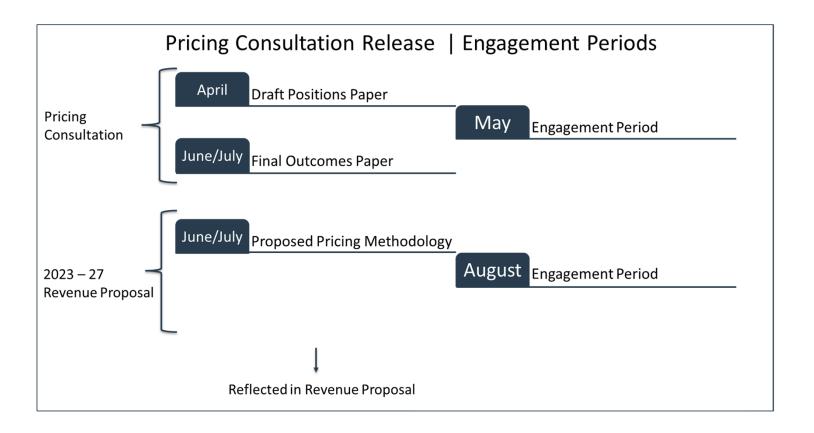


Based on discussions and feedback received on the initial paper and recognising the balance between enhancing cost reflective pricing signals, interaction with pricing criteria and customer impacts, Powerlink intends to provide detailed information on the following options:

- Rebalancing between locational and non-locational components to a 60/40 split
 - efficient price signal
- Locational charges determined on peak demand only
 - price stability
- kVA charging
 - equity/fairness

Indicative 2020 pricing consultation timetable





Customer Panel feedback



We are seeking input from the Panel on the following:

What else should we consider in developing the Draft Positions Paper?

