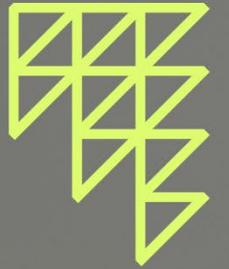


Consumer Advisory Panel Meeting



21 August 2025



Greetings

Leanne Muffet
Independent Facilitator

Meeting Agenda

TIME	ITEM	PRESENTERS
1. 9:30am (5 mins)	Greeting + Acknowledgement of Country <ul style="list-style-type: none"> - Board Letter - Rebecca Knol departure - Para site visit – date 4 Sep, 15 Sept morning, 22 Sep or 23 Sep - 10 years of CAP 	Leanne Muffet, (CAP Independent Facilitator)
2. 9:35am (20 mins)	Approval of minutes, action items + general updates <ul style="list-style-type: none"> • Action items and approval of minutes 	Leanne Muffet
3. 9:45am (15 mins)	Hot Topics	All
4. 10:00am (45 mins)	Presentation on Demand Forecasting from SA Government and AEMO <ul style="list-style-type: none"> • Q&A 	Virtually Jarrad Pilkington & Hai Nguyen (DEM) Andrew Turley + Debborah Marsh (AEMO)
5. 10:45am (20 mins)	Reference Groups – Updates <ul style="list-style-type: none"> • Revenue Reset RG Update • NTx RG Update • Q&As 	Georgie Morris RRRG + Craig Wilkins NTxRG (CAP Members)
6. 11:05am (10 mins)	Morning Tea/Break	
7. 11:15am (40 mins)	ElectraNet' capital expenditure update <ul style="list-style-type: none"> • Presentation • Q&A 	Sonya Battersby + Rohan Fernandez (ElectraNet)
8. 11:55am (5 mins)	Wrap up, other business <ul style="list-style-type: none"> - FERM - Joint CAP/CAF out of session meeting – 15 October - Agenda items for the Board 	Leanne Muffet
9. 12:00pm/12:15pm	Lunch and CAP only session	Leanne Muffett



Consumer Advisory Panel

Celebrating 10 Years of Consumer Advocacy

August 2015 – current

Action Items

No	Action	Responsible	Status
1.	Send Sustainability and Corporate Reputation Surveys to CAP members	Jeremy	Completed
2.	Hummocks Substation to be added to Revenue Reset Reference Group agenda for further discussion	Bec M	In Train
3.	Add an agenda item to the next RRRG meeting to clarify the role, responsibilities, and expected outputs of the RRRG, including reporting lines to the AER and CCP.	Bec M	Completed
4.	Develop a proposal to streamline feedback loops between the RRRG, CAP, and NTx group to reduce duplication and improve information flow.	Bec/Jo	Completed
5.	Rebecca to send through an article of the complexity of the green steel ambition	RK	In train
6.	ElectraNet to organise a joint CAP meeting with SAPN Consumer Advisory Board	CH/AM	In train
7.	ElectraNet to create a visual timeline to be created and sent to CAP of Reference Group meetings	CH/AM	In train
8.	ElectraNet to invite AEMO and state planning department to a future meeting CAP meeting to speak about demand forecasting.	AM	Today



CAP Hot Topics

All CAP Members



Demand Forecasting- DEM

Jarrad Pilkington

Director, Energy Forecasting and Planning

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Department for Energy & Mining Planning and Forecasting Function

Consumer Advisory Panel Meeting – 20 Aug 2025

Jarrad Pilkington

Hai Nguyen

energymining.sa.gov.au



Agenda

1. The Planning and Forecasting Function of DEM
2. 2025 agenda and progress
3. Draft results of Demand Forecast



Planning & Forecasting Function

Background & Purpose

- Established under Electricity Act 1996
- SA Electricity Development Plan – least-cost pathway

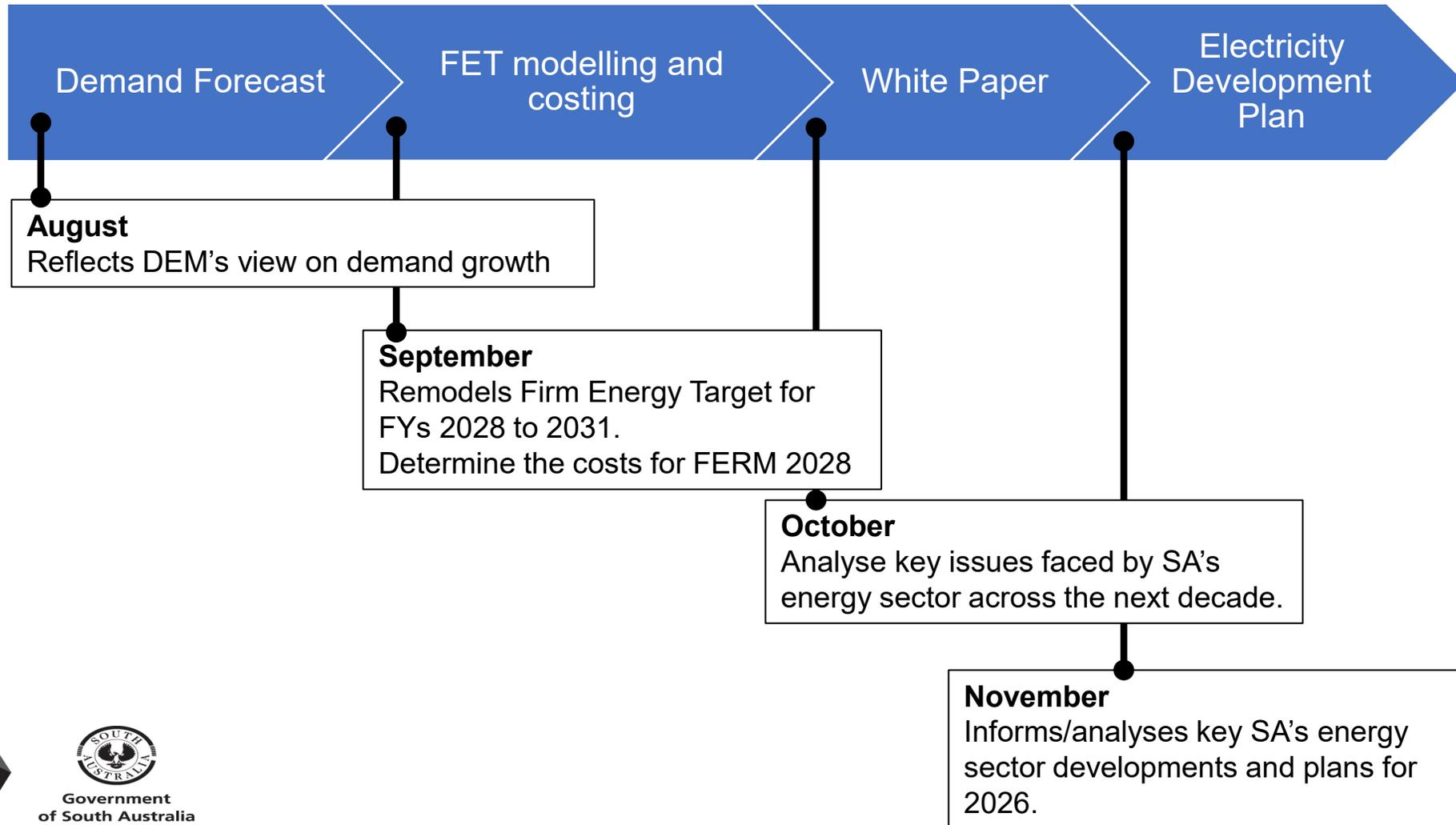
Core Responsibilities

- Planning & Forecasting
- Reporting
- Ministerial & Ad hoc Advice
- Policy Support

Stakeholders

- Consumers & Advocacy Groups
- Networks (SAPN, ElectraNet)
- Market Bodies (AEMO, AER, AEMC)
- Government & Minister
- Industry

2025 Agenda and Progress



DEM Demand Forecast



- **Industrialisation Ambition** – Supports growth of industrial demand across the State. – reflecting Government economic priorities.
- **Proactive Planning** – Anticipates demand early to ensure energy is not a barrier to economic growth.
- **Model Inputs & Risk Management** – Provides data to identify and analyse risks to reliability, security and costs.
- **Stakeholder Engagement** – Ensure good understand of function, consultation to support modelling inputs and collaborative exploration of opportunities, barriers, and solutions.

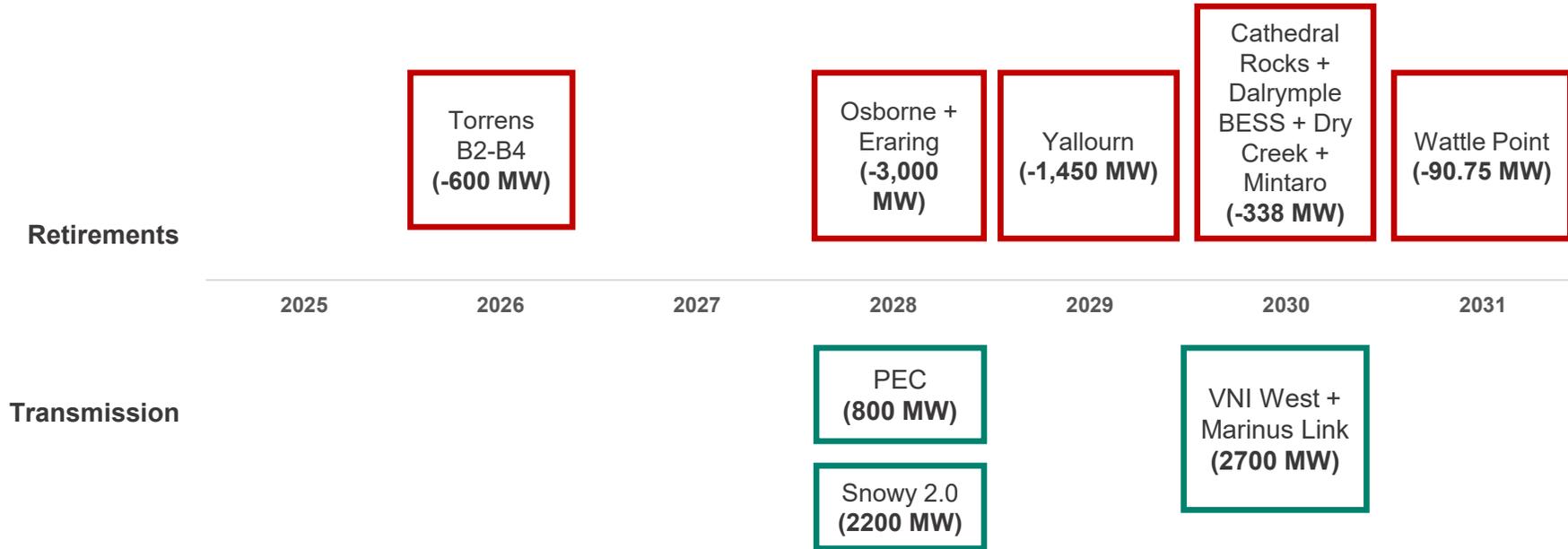


Modelling input sources

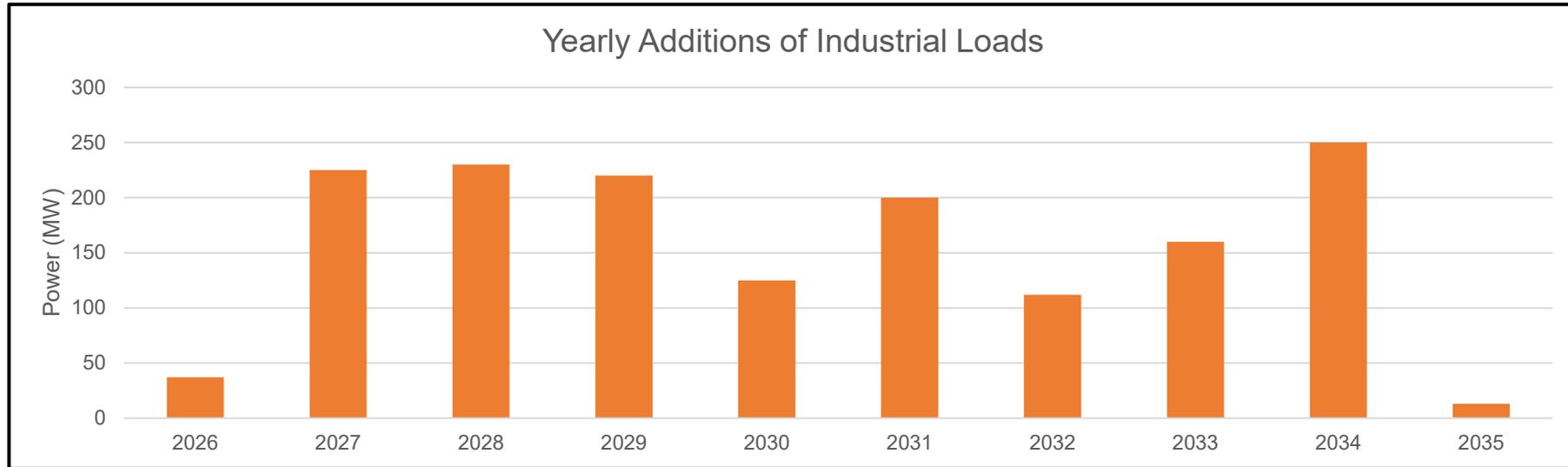
Component	Until 2035	Post 2035 – Base case
Residential Demand	AEMO Step Change	AEMO Step Change
Rooftop PV	SAPN	Growth rate of pre-2035 to linearly continue
EVs	AEMO Step Change	AEMO Step Change
Industrial Loads	ENet connection inquiries + DEM inputs	Assuming linear 2.2% industrial load growth as per Step change.
CER	AEMO Step Change	AEMO Step Change

*AEMO inputs from 2024 ISP – currently being updated to reflect 2025 IASR

System stresses impacting SA

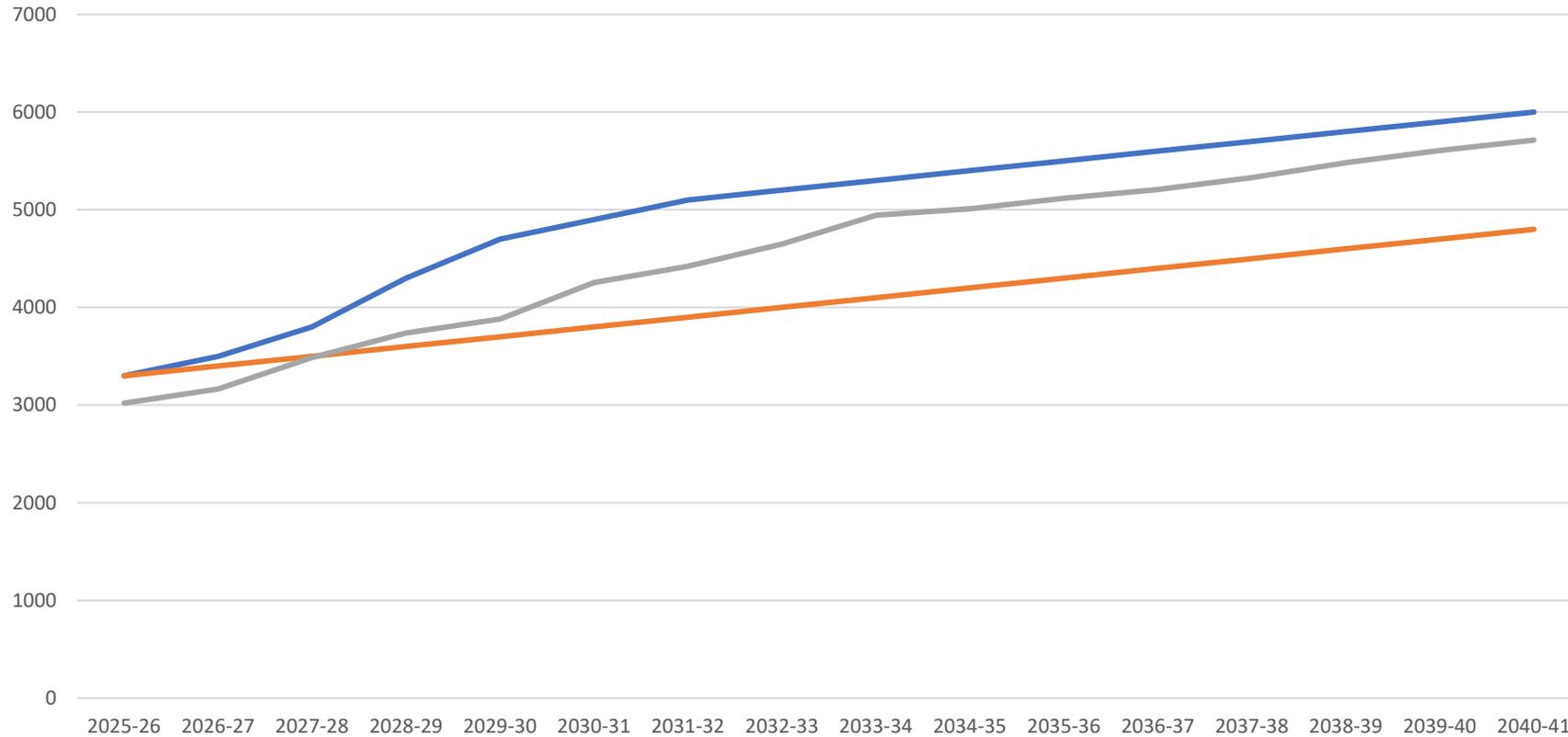


Industrial Loads included in short-term forecast



Overall load growth trajectory

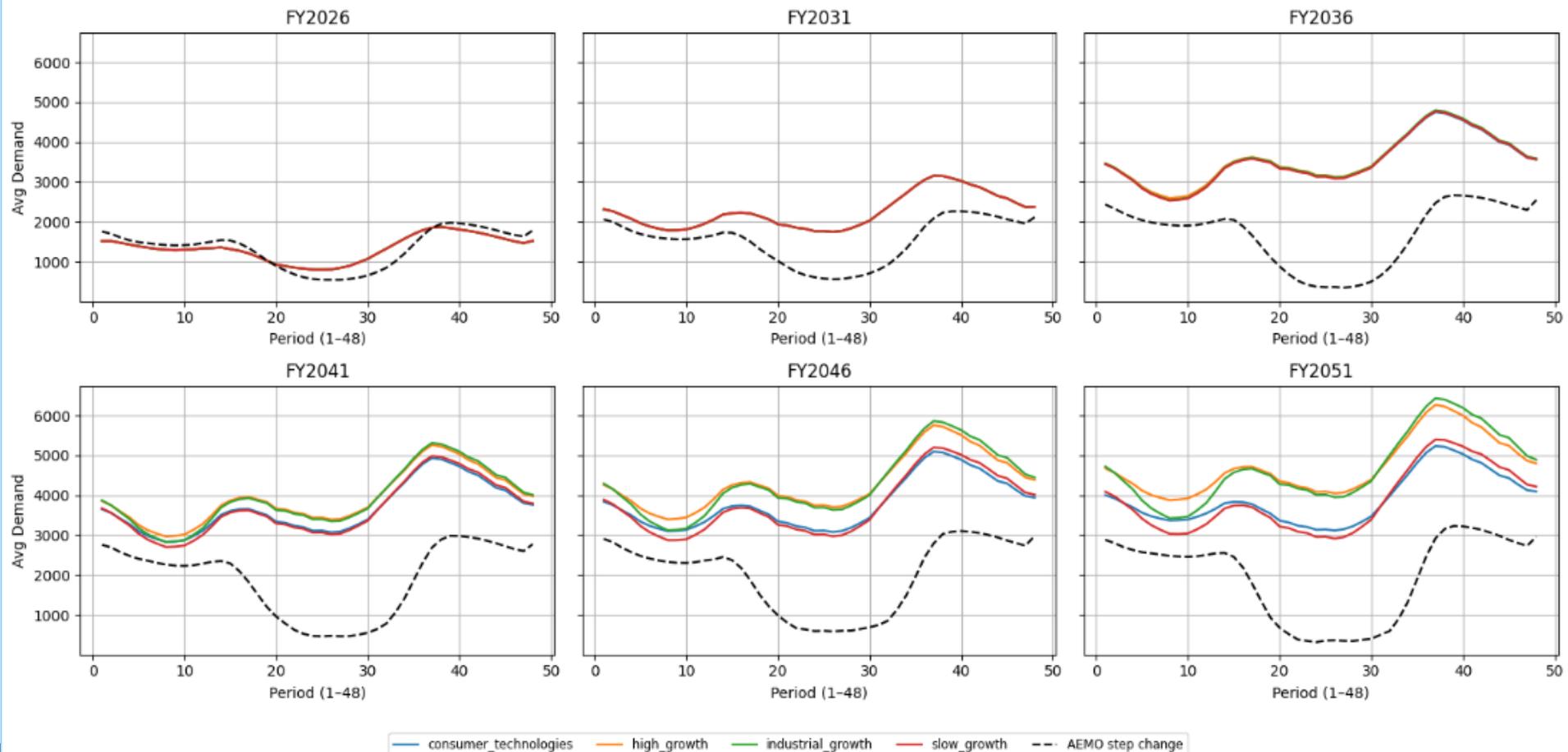
SA Demand Forecasts by 2041



— Enet 50th Percentile (MW) — 2024 ISP (MW) — DEM POE 50 (MW)

Forecast sensitivities - Daily Demand Profile vs ISP Step Change

Daily Demand Profiles by Scenario (Ref Year: 2011)



Risk Management in SA Electricity Market

Context

- SA presents a world-first case as an increasingly weather-dependent energy system.
- NEM wide transition away from coal will create challenges on both price and reliability – SA needs to be aware of these and plan accordingly.
- Placing downward pressure on prices in a transitioning system is challenging but extremely important.

Firm Energy Resource Mechanism

- Ensures adequate Long-Duration Firm Capacity to manage future supply risks.
- Is designed to be cost-conscious and support clean firm capacity.
- The alternative - doing nothing - would expose SA to higher reliability risks, could halt economic growth and more expensive.

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of South Australia
Department for
Energy and Mining





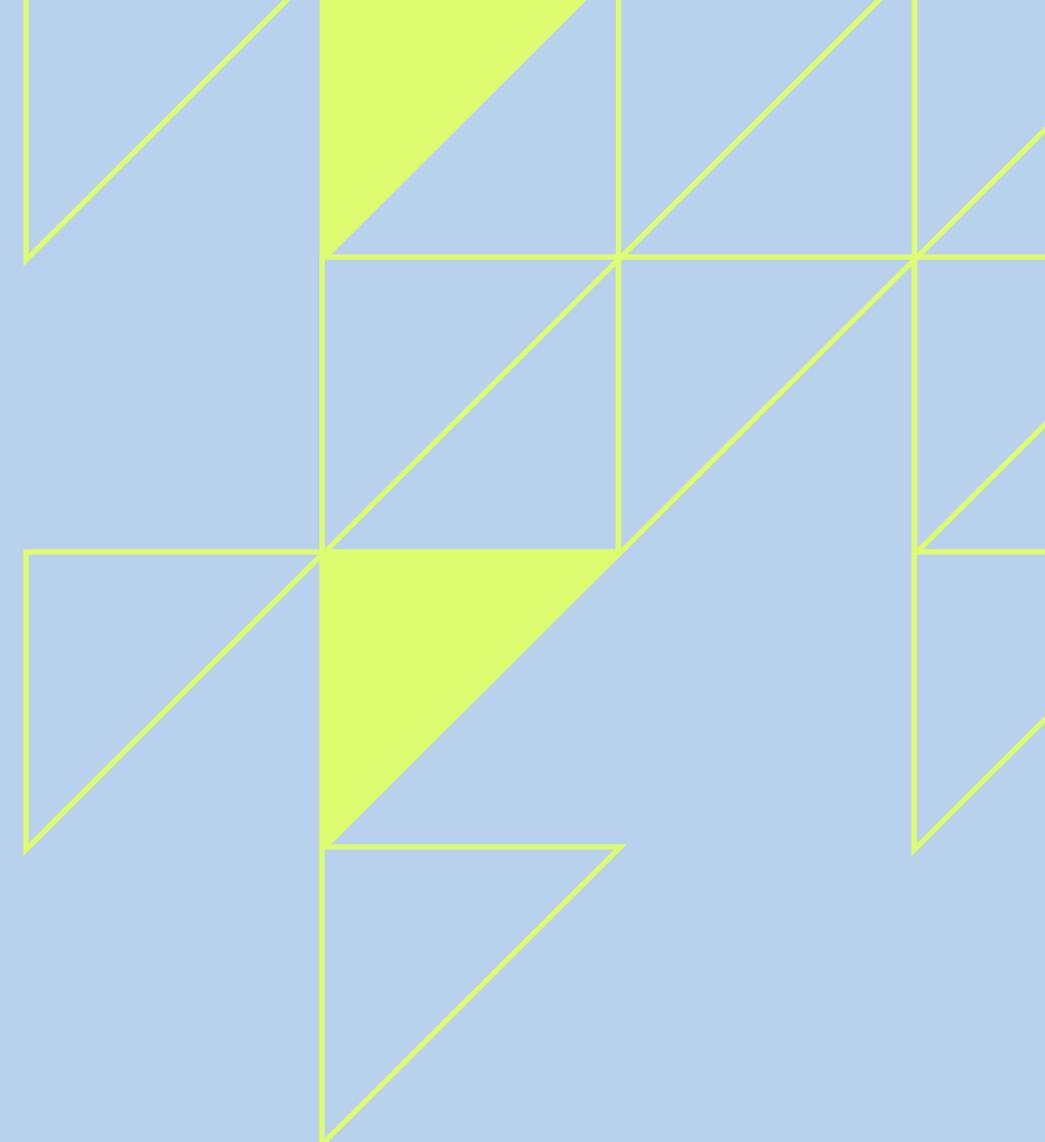
Demand Forecasting- AEMO

Andrew Turley

Group Manager Forecasting +

Deborah Marsh

Manager Energy Forecasting





Reference Groups – Updates

Georgie Morris + Craig Wilkins
CAP Members



Revenue Reset Reference Group update



August 2025

Georgie Morris
RR RG member

Revenue Reset RG End Point

To ensure that the Revenue Reset Reference Group (RRRG) can produce a comprehensive report confirming the following:

Acceptable Level:

- The RRRG has been appropriately engaged throughout the process.
 - The RRRG has sufficient access to relevant information, people and resources, enabling it to form well-informed views.
 - The RRRG's view on ElectraNet's Revenue Proposal are clearly outlined.

Desired Level:

- The RRRG considers ElectraNet's Revenue Proposal to be worthy of support and capable of being accepted by the Australian Energy Regulator (AER).
 - To achieve this, ElectraNet's objective for the Revenue Reset Reference Group is to commission a report assessing the engagement process. This report should affirm that the engagement was conducted as outlined and recommend to the CAP that it adopt or endorse the findings.

Focus of May + July meetings

Areas of focus:

- a) Spheres of Influence (Bubble Diagram)**
- b) Engagement Plan**
- c) Guest speaker // AEMO (Arek Gulbenkoglu) May meeting**
- d) Guest speakers // Capex scoping + Estimates (Brett Rickell + Kristian Masters) July meeting**
- e) Interface with Consumer Challenge Panel (CCP)**

What's fair revenue?

The Revenue Reset Reference Group has been increasing our understanding of variables that impact ElectraNet regarding the assessment of the Maximum Allowed Revenue [MAR]

MAR is determined by the Australian Energy Regulator (AER)

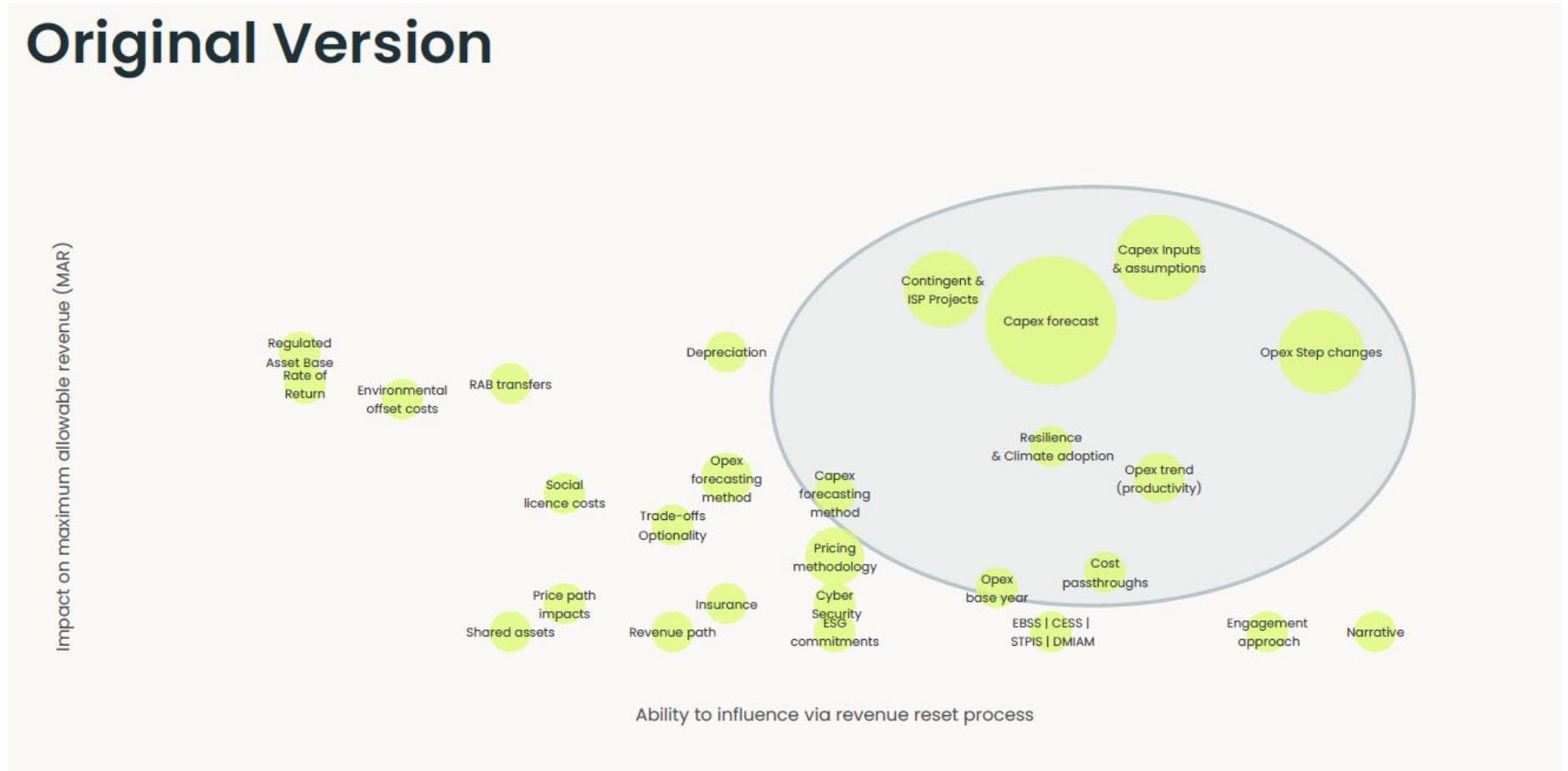
Considerations include

- **How do consumers pay no more than is necessary for reliable and accessible energy?**
- **What is required to support the operations of ElectraNet?**
- **How is ElectraNet continuing to support the energy transition?**
- **What is reasonable financial recovery?**

Bubble Diagram

Demonstrating the relationship between impact on Maximal Allowable Revenue (MAR) and ability to influence via the Revenue Reset process

Original Version

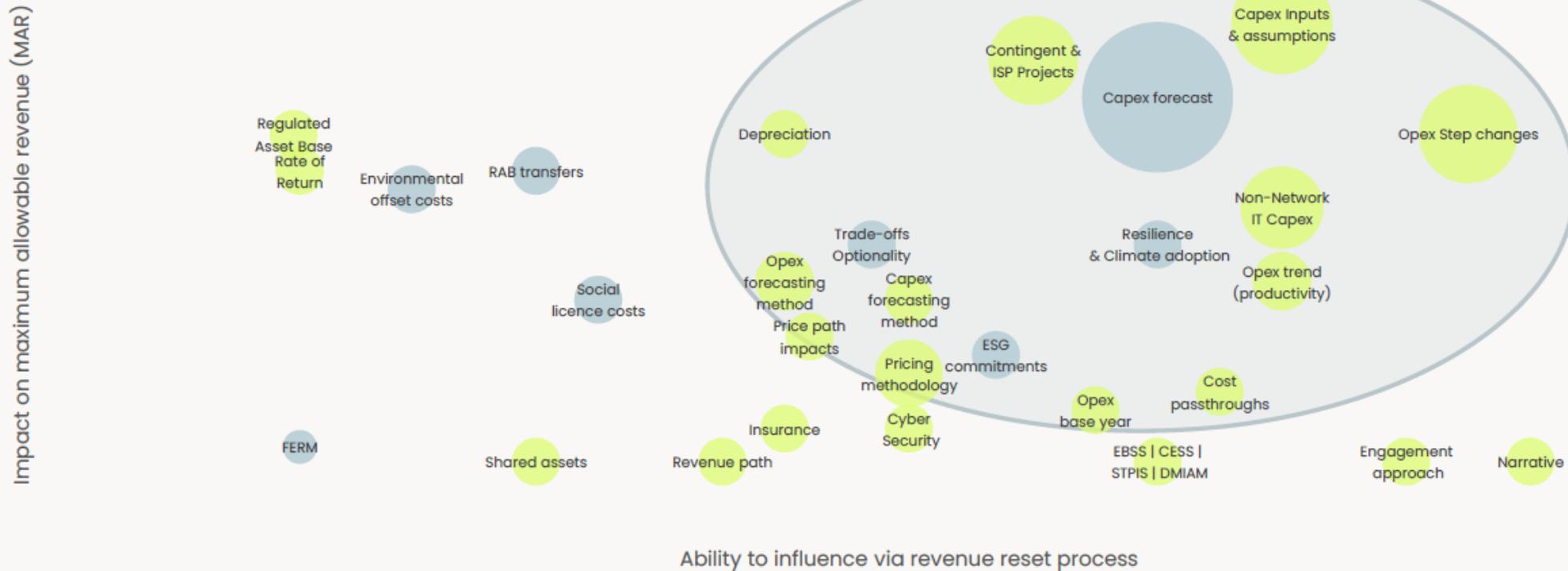


Draft for Approval

● Engagements aspects included in 2023-28

● Engagements aspects included in 2028-33

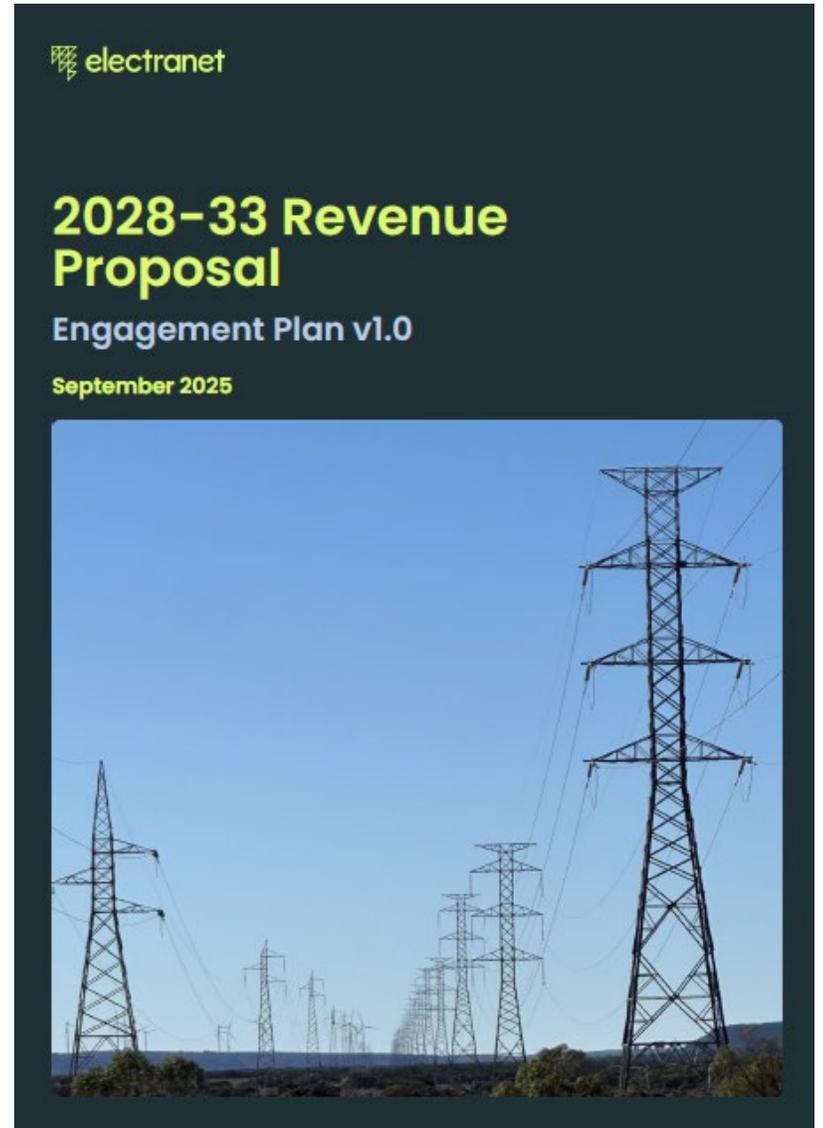
Bubble size indicates level of interest to engage more deeply



Engagement Plan

Lead Author: Bec Malhotra

- **The Engagement plan outlines a structured, inclusive, and transparent process to gather stakeholder input and inform ElectraNet's 2028–2033 Revenue Proposal.**
- **It aligns with key regulatory milestones, running from October 2025 to the Australian Energy Regulator's Final Decision in April 2028.**
- **As a transmission business, ElectraNet's approach is to engage with consumer representatives rather than directly with consumers.**



RRRG Engagement 2025

Month	RRRG Meetings – Focus Area	Revenue Proposal Key Milestones
Apr 2025	High Level Plan // Revenue Reset 101 // Best Practice Engagement IAP2 // Expert observations from a peer	
May 2025	Introduction to the Spheres of influence // Deep dive prioritisation session // Observations from an AER representative	
Jul 2025	Scoping & Estimating Q&A // Finalise Engagement Scope // Review Engagement Plan // Impact of others (AEMO, ESCOSA, SA Gov't AER)	
Aug 2025		RRRG & ElectraNet write to AER to request early CCP engagement
Sep 2025	Network & operating landscape (Business Narrative) // Revenue & Pricing update // Finalise Engagement Plan including Engagement Scope	
Oct 2025		ElectraNet writes to AER to amend framework and approach paper.

CAPEX presentation

Two types of CAPEX projects:

- Demand-driven (Network Augmentation) + Asset Management.

Key Discussions:

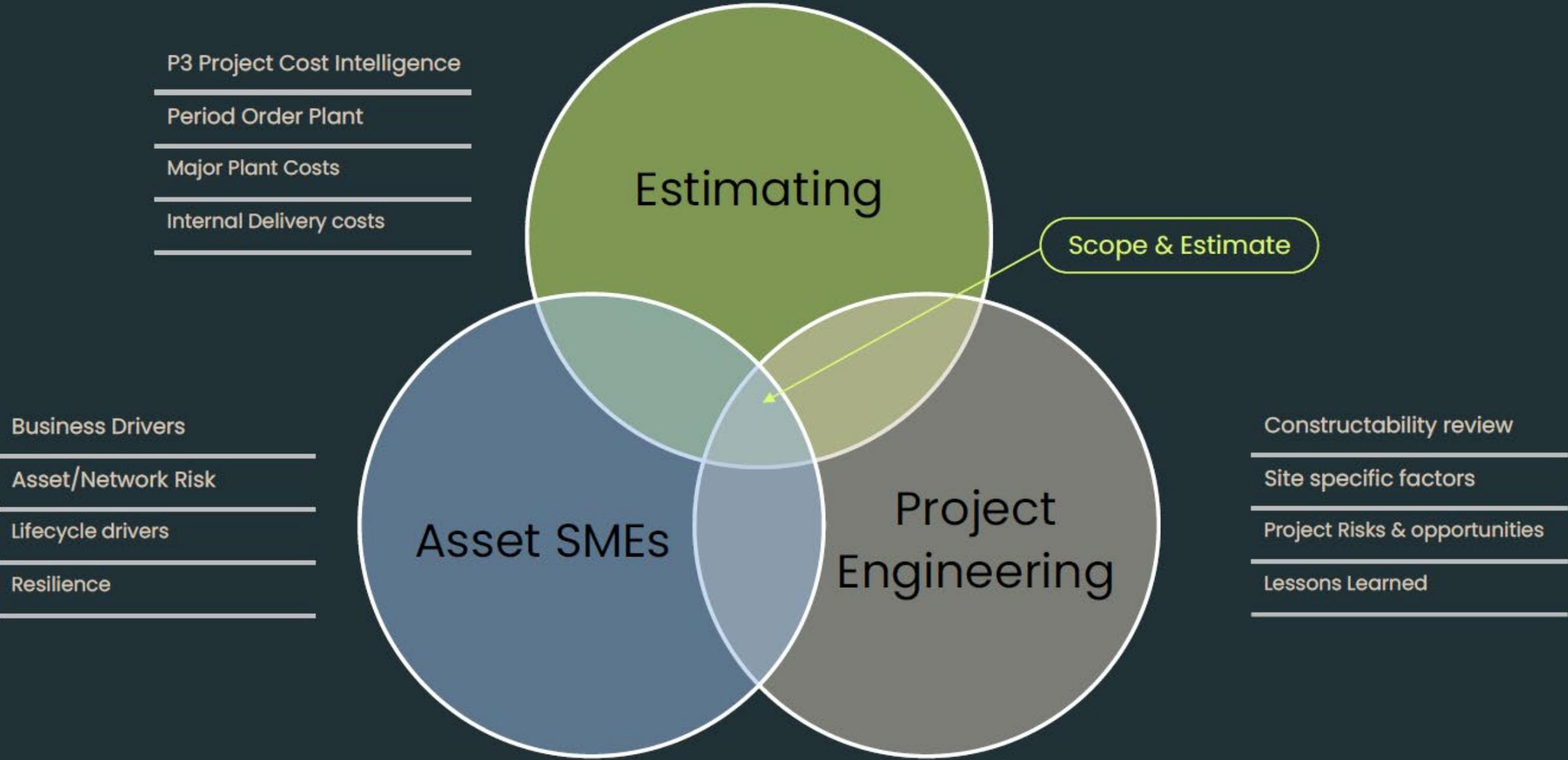
- Estimates include opex and maintenance costs.
- Work is bundled by substation to cut costs and reduce outages.
- It's sometimes cheaper to do the work now to avoid higher future costs.
- The final list of projects and estimates will be shared with the RRRG.

Challenges: The discussion highlighted the impact of tariffs ("America First") and skills shortages.

Suppliers: ElectraNet uses two large providers and several smaller ones,

- is actively trying to bring on more.

Collaborative Estimating Approach



Letters to AER CCP

Letter from RRRG to Consumer Challenge Panel (early August 2025)

Letter from Simon Emms to Consumer Challenge Panel (early August 2025)

RRRG Letter sent to Kate Symons (Board member AER) via Independent facilitator on Friday 01 August

Aim: ... formally request early and ongoing engagement with the Australian Energy Regulator's (AER) Consumer Challenge Panel (CCP) regarding ElectraNet's upcoming 2028–2033 regulatory reset process.

Reflections + future work

ElectraNet have been very open, supportive and willing to engage at this early stage.

For the proposal to be deemed 'capable of acceptance by the AER' – requires deep knowledge, Independent analysis and trust. Very high bar. Qu? Is RRG to make this recommendation to CAP?

Need assurance ElectraNet are not adopting an overly cautious risk approach. Potential for RRG to obtain analysis by external consultants.

Need to consider ESCOSA's Transmission Regulatory Framework Review and impact on reliability standards / expenditure (watch for publication of the Draft Decision).

Need further information about TNSP network cost recovery through tariffs. What is the allocation between industry and residential. SAPN indicate residential consumers pay 43%. Relevant for FERM cost recovery. Is there scope for influence here.

Costs of NTx will be a relevant consideration, as this may support the deferral of projects to alleviate cost impacts in 2028–33. Service / price balance.

Need further information on SA demand forecasting, separated into industrial and residential (in line with AEMO). What are the inputs, can we rely on 'probabilistic' forecasting at potential great cost to residential consumers.



NTx Reference Group update

August 2025

Craig Wilkins
NTx RG member

NTx RG End Point

The primary output from the NTx RG will be a submission from the CAP on ElectraNet's Project Assessment Draft Report (PADR)

- Due December 2025 (unless otherwise agreed with AEMO).

Need to understand:

1. Who the target audience is – the AER and the general public
2. When the report will be needed in response to the PADR, which is due in December 2025 unless otherwise agreed between ElectraNet and AEMO
3. The draft approach / content / items to be covered



Focus of 14 August meeting

Areas of focus:

- a) SA Government 20-year Infrastructure Plan**
- b) Project options being considered in the PADR**
- c) Community benefits approach**

SA Government 20-year Infrastructure Plan (Jeremy Conway)

Multifactor Criteria Assessment (David Tansell and team)

Community Engagement (Josephine Telfer and team)

Presentation Infrastructure SA

Jeremy Conway presented on 20-year state Infrastructure Plan (14 August 2025).

Key points

- SA energy demand is not linear ... heavily connected with industrial loads
- Energy opportunities come with risk
- SA needs to invest in planning for prospective loads (even if construction is delayed)
- Strategic for SA to stage energy investment where possible
- Cost certainty a major challenge
- SA already advanced on energy component of net zero agenda...
 - this makes SA different from eastern seaboard whose focus is transitioning away from coal



To date // Project overview

Project updates (David Tansell and team)

Key issues raised

- **PDAR due date end December 2025**
- **Multifactor Criteria Assessment (MCA) // linked with engagement process**
- **EOI released**
- **Route selection advancing**
- **Multi-Criteria Analysis (MCA) workshops completed held to rank corridors and inform selection of a Preferred Corridor**
 - NTx North – Preferred corridor selected
 - NTx South (MN) – decision to undertake further engagement on four corridors
 - NTx South (outer Metro) – decision to close 1 corridor.



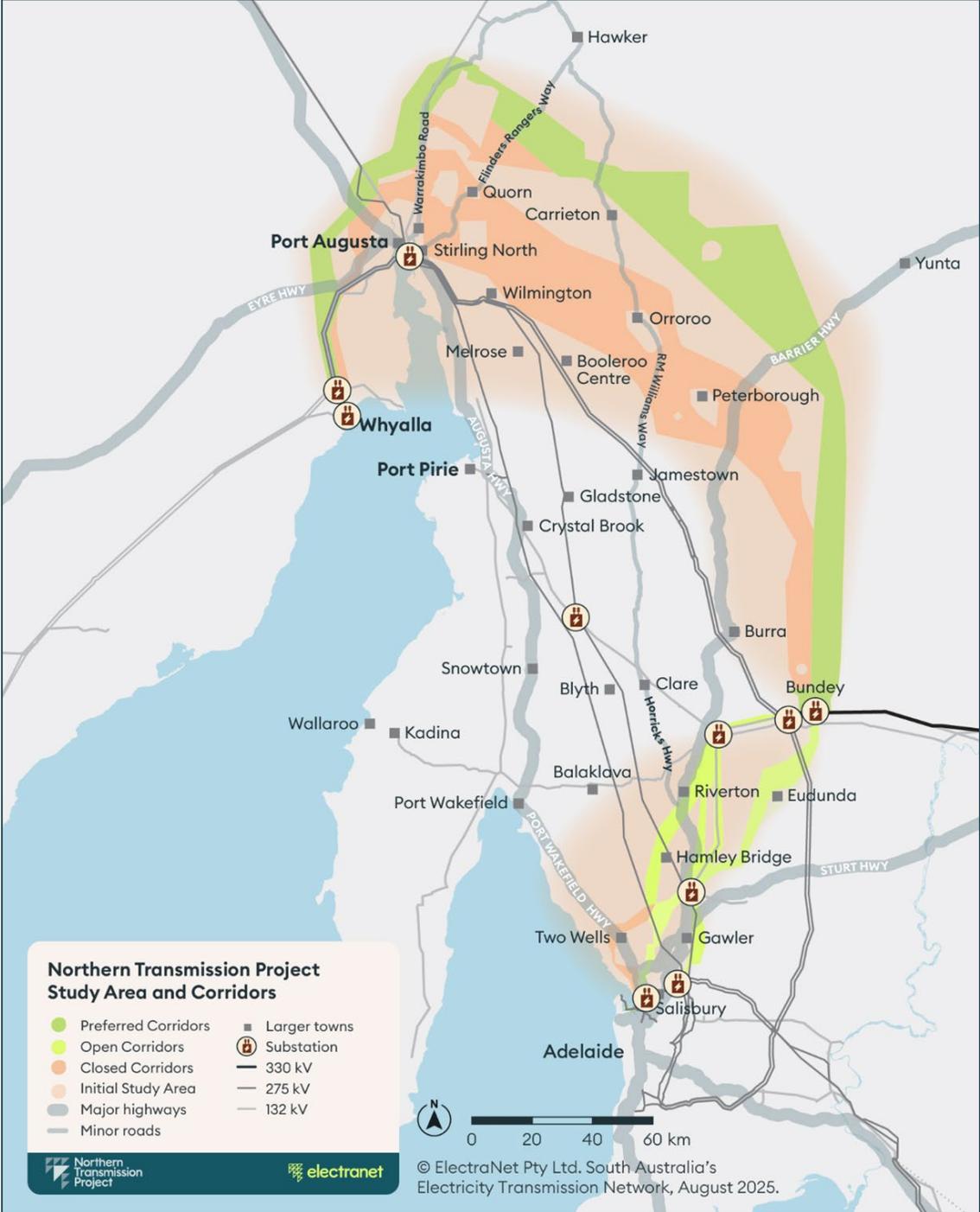
Multifactor Criteria Analysis (MCA)

Stakeholders across the three MCA regions participated in a series of workshops to shape assessment criteria.

This resulted in a total of 13 corridor options:

- Four (4) in the Flinders in upper Spencer Gulf
- Six (6) in the mid north area
- Three (3) in the Greater Adelaide area
- **A single preferred corridor in the Northern section has been identified for further on-ground investigations.**
 - Letters have now been sent to relevant landholders
- **In the Southern section, multiple corridors remain open for further study to inform the future selection of a preferred corridor south of Bunday substation.**

Preferred Routes



To date // Engagement process

Community Engagement (Josephine Telfer and team)

Key issues raised

Visual amenity

Impact on productive farmland and property devaluation

EMF concerns

Preference for underground lines

Property and economic impacts

Bushfire risks

Concerns around corridor selection processes

Two new resources on ElectraNet website:

• ***What We Heard Report***

details the feedback received at Project Introduction workshops held in Port Augusta, Burra and Gawler in April.

• ***Corridor Identification Report***

shows how constraint mapping was used to narrow down the project study area to several early corridor options for further investigation.

Engagement to date

Community Outreach & Interaction

Community Pop-ups: 3 (13)

Workshops: 3 (9)

People spoken to at Pop-ups: 112 (240)

Landholders: TBA

Pop-ups scheduled: 2

Meeting/briefing/presentation: 6 (15)

Communication Channels

Phone calls: TBA

Email: TBA

EDM's sent: 3 (5)

Direct mailout: TBA

Mailing List & Survey Participation

Mailing List Subscribers: 173

Community surveys submitted: 29 (38)

Digital Engagement

Website visits: 1400+ (2609)

Webmap comments: 38

Ongoing Opportunities

Other options still available for stakeholders and communities:

- Online survey to provide thoughts, concerns and ideas
- **Interactive map** to comment on locations of interest
- Local information sessions and pop-ups across the region



Your input - Northern Transmission Project

Reflections + future work

- Overall: project timing and development is broadly 'on track'
- The pathway to the PADR is 'hard and tight'
- Clear difference between result of MCA process in the North (1 clear route) and South (still seeking further community and technical input)
- Overall sentiment from community engagement process – positive apart from area around Eudunda
- Key takeaway from Jeremy Conway: 'SA has great opportunities but they come with risk – what is the appetite to socialise that risk?' Without key infrastructure (like NTx) a lot of other projects won't get up
- Reference Group interest/focus: clear go/no go decision points. The external decision making process may create those trigger points
- Technical scope decision required re 275 vs 300 vs 500 KV
- Potential emerging risk: non inclusion in the next ISP

Principles of NTx RG

- 1) **Prioritise Transparency:** transparency will underpin discussions and information sharing
- 2) **Apply a “challenge” lens:** the RG actively tests ideas by constructively challenging assumptions (eg: have you thought about?...)
- 3) **Create a safe, two way forum:** meetings provide a safe space for open, and reciprocal exchange of ideas
- 4) **Create a “No Fear” culture:** the focus of the RG is on collaborative problem solving without fear of failure
- 5) **Demonstrate follow through:** all RG members commit to considering and responding to input and queries
- 6) **Share information promptly:** provide relevant information and seek input early to enable meaningful contributions
- 7) **Implement continuous feedback:** meetings and processes will be shaped by member feedback



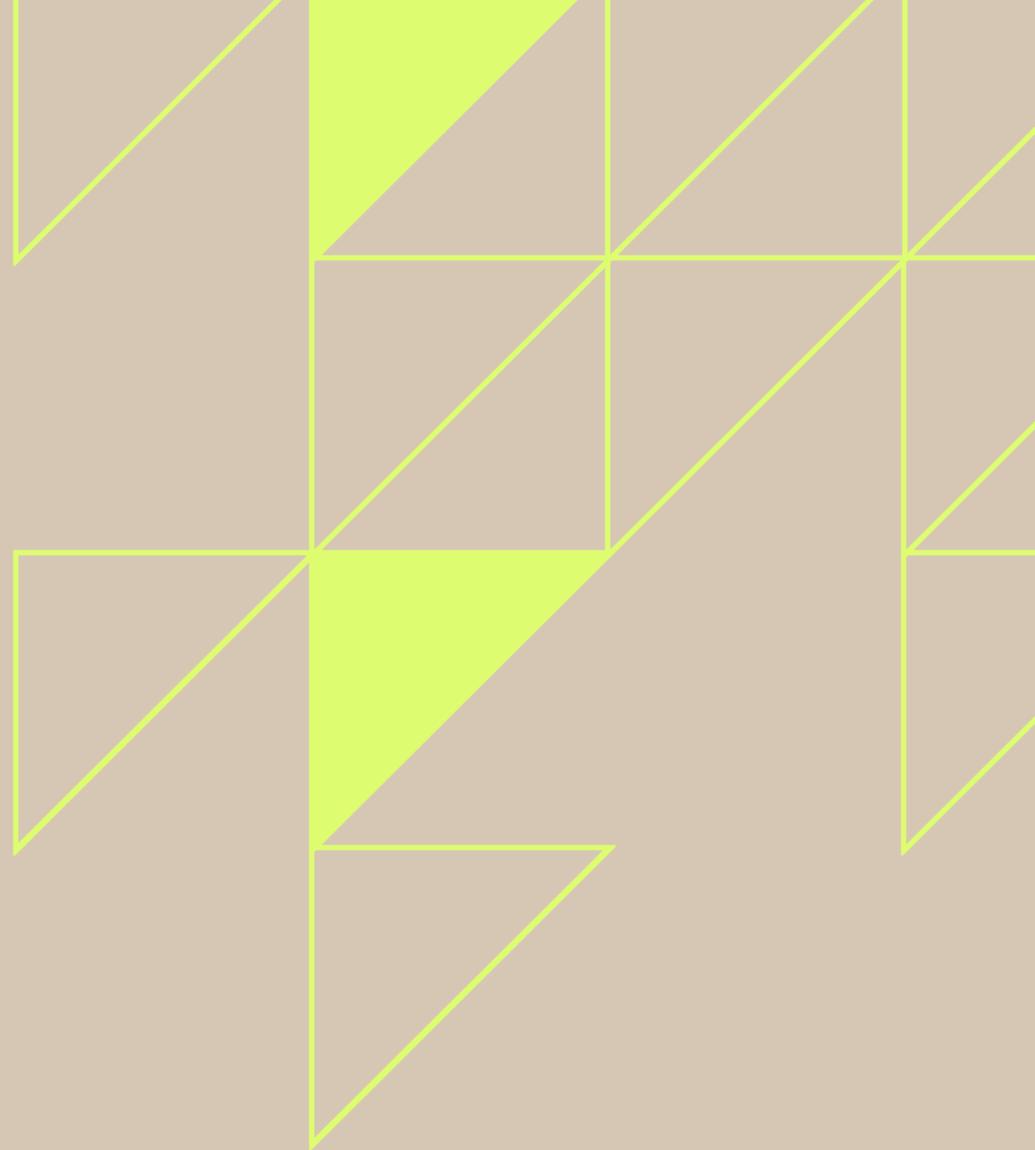
Capital Expenditure Update

Sonya Battersby, Head of Financial Planning & Performance
Rohan Fernandez, Manager, Asset Management Portfolio & Systems

Ex-post Review Period FY22-26



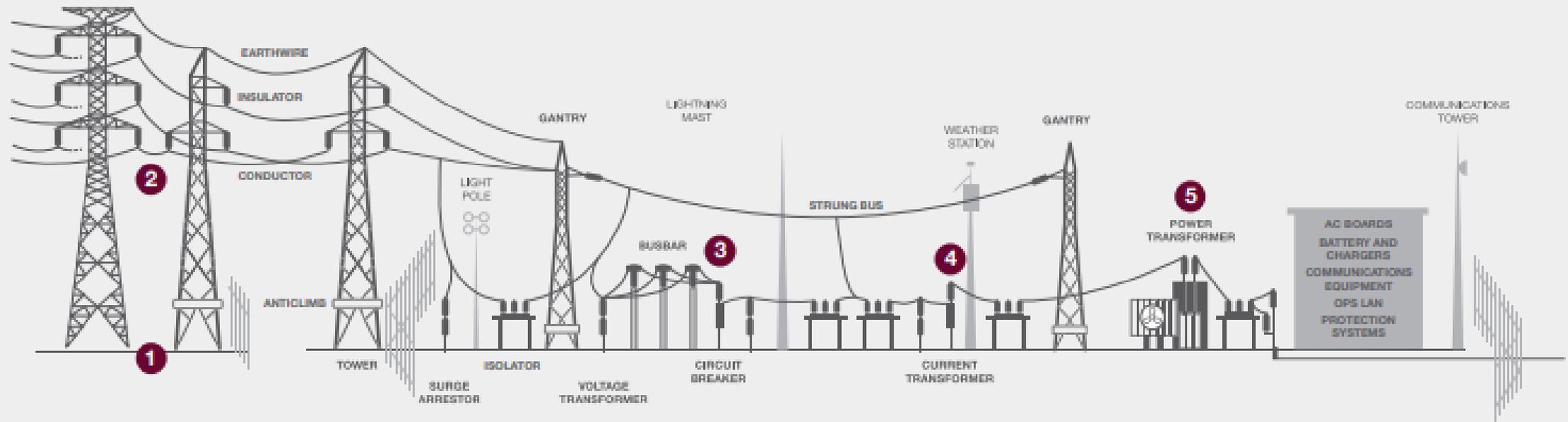
Appendices



Key Asset Challenges

Our ageing assets base, coupled with extreme weather events increases risk to network and asset failures

Key Asset Challenges



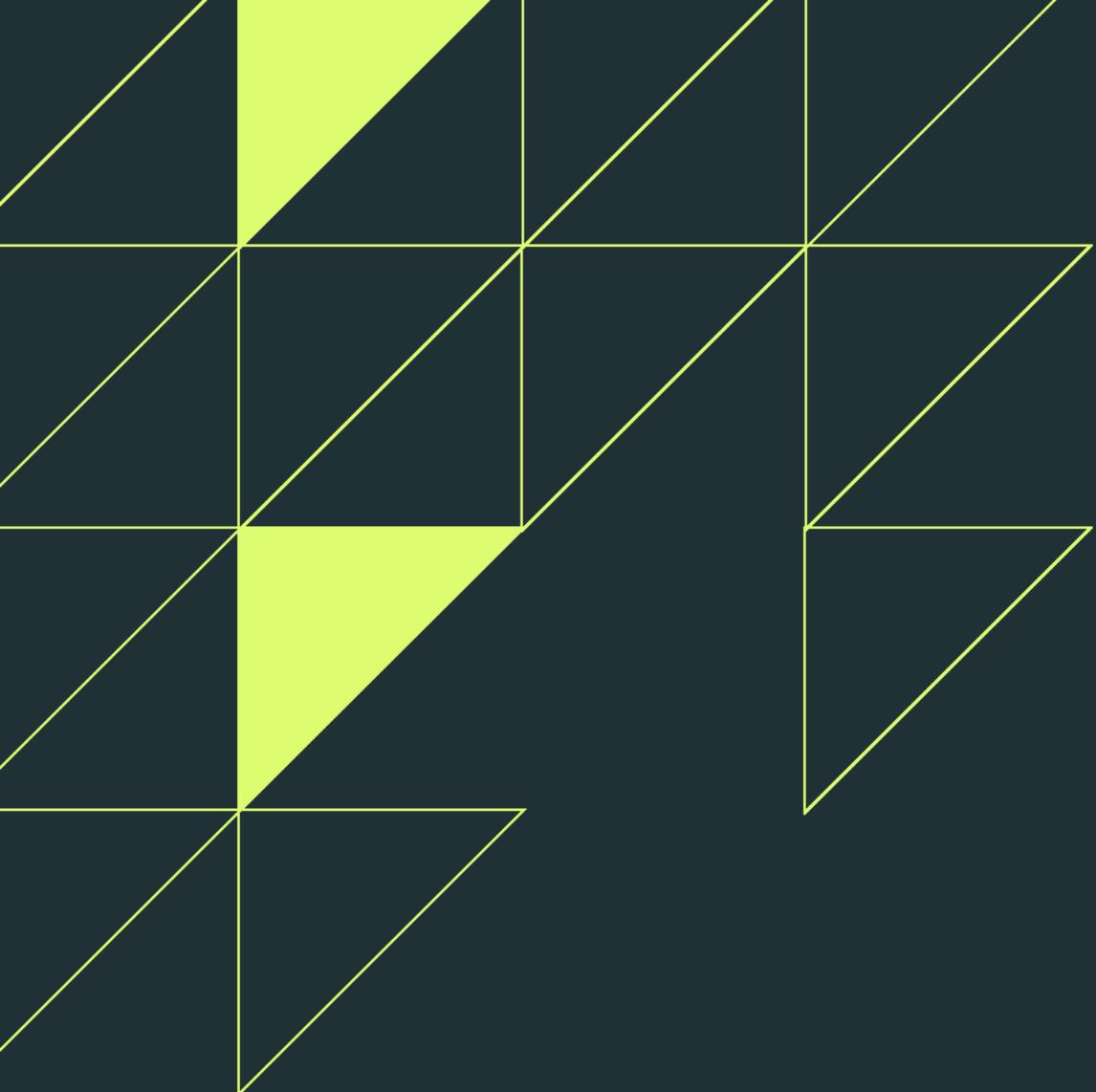
1 Tower Footings
Historical construction techniques leading to the risk of premature footing failures.

2 Conductor Fittings
Risk of failures resulting from age-based corrosion.

3 SF6 Gas
Assets with SF6 gas impacting the environment and cost.

4 Current Transformers
Risk of premature failures from unknown causes.

5 Transformer Bushings
Risk of bushing defects leading to explosive failures.



Thank You



Wrap up & next steps

Jeremy Tustin

CAP only Session

Leanne Muffett

Thank you