

# 2023 IASR process kick off and engagement planning

27 January 2022 FRG Meeting

[Energy.forecasting@aemo.com.au](mailto:Energy.forecasting@aemo.com.au)



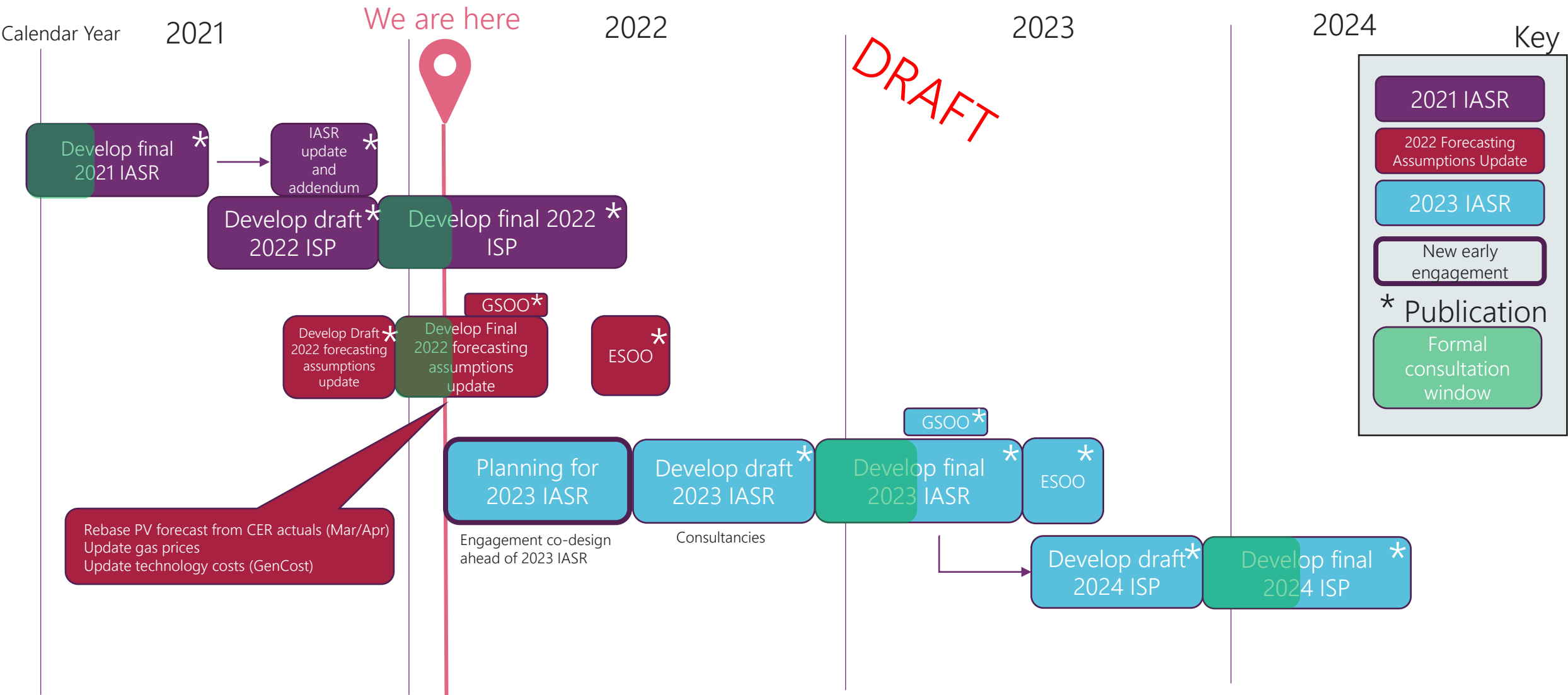
The purpose of today's presentation is to *involve* the FRG in engagement planning for the 2023 Inputs Assumptions Scenarios Report (IASR)

Today's agenda includes:

- Overview: 2023 IASR development
- How do we best explore the strategic issues?
- How do we best engage during execution of consultancies?
- Considerations and engagement for a potential low-emissions gas scenario

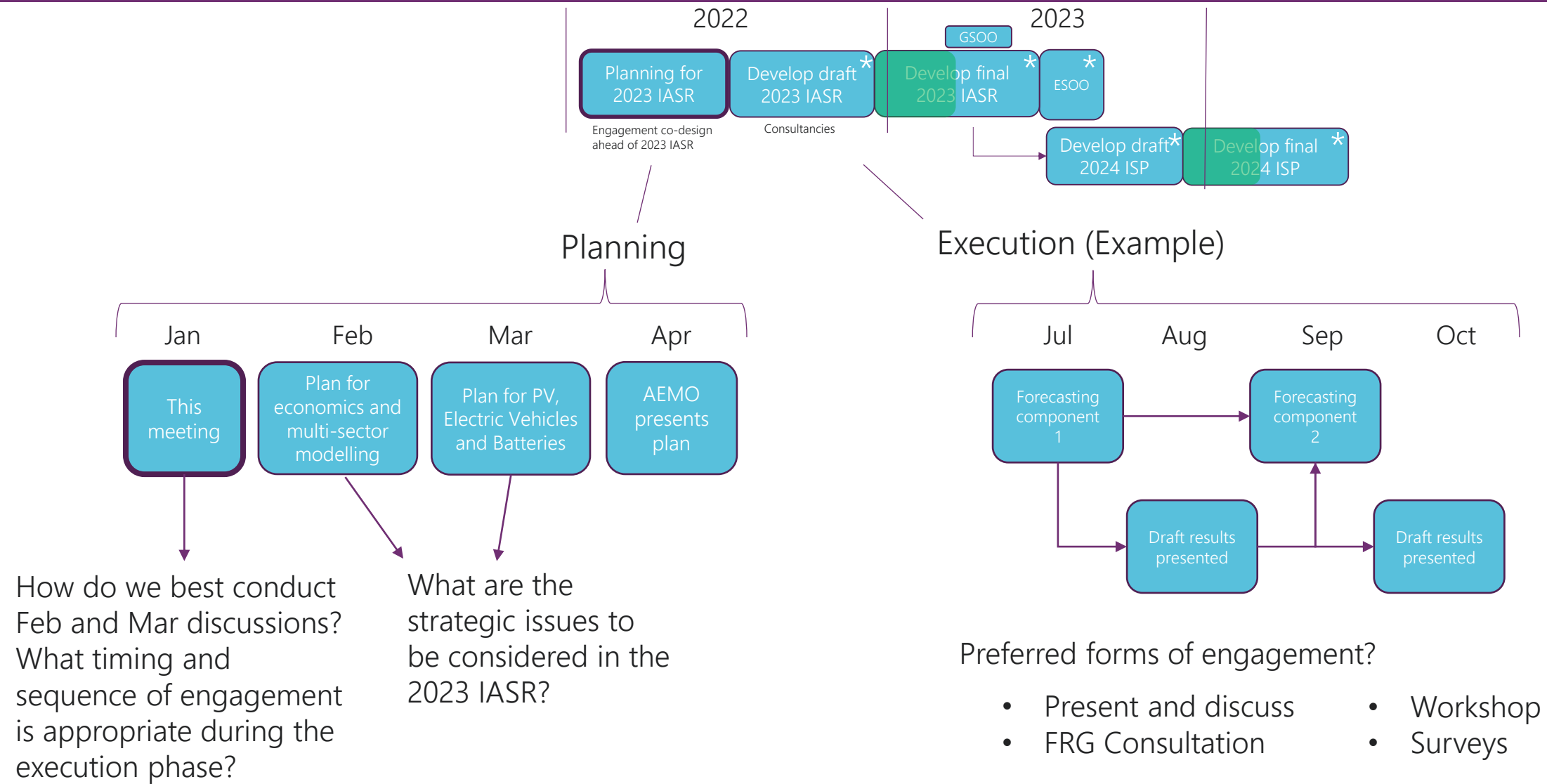
Timing	Relevant topic	Responsible
Today	Discuss 2023 IASR engagement	AEMO, FRG
Q2 2022	Begin developing draft 2023 IASR	AEMO
Dec 2022	Publish draft 2023 IASR	AEMO
Dec 2022 – Feb 2023	Formal consultation on the draft 2023 IASR	Stakeholders
Jun 2023	2023 IASR publication	AEMO

# NEM stakeholder engagement planning



# Today's purpose is to plan for the 2023 IASR development

Draft



How, during the February and March FRG meetings, can we capture stakeholder preferences and priorities for each key forecasting component in the 2023 IASR?

Using a word cloud to capture the most common priorities for consultancy focus?

### Sample summary of historical consultancy scope - DER

#### Key forecast deliverables

- Rooftop PV at regional and postcode spatial level
- PVNSG at regional and postcode spatial level
- BTM battery storage at regional and postcode spatial level
- Battery storage half hourly charging/discharging profiles at regional spatial level
  - Solar shifting
  - Tariff optimisation

#### Artefacts/activities

- Numerical forecast
- Stakeholder presentation
- Draft report
- Updated numerical forecast
- Final report

#### Explore key aspects of scenarios

- Falling battery costs in sustainable growth
- Strong PV uptake in lower scenarios
- Low gas prices
- High electrification
- Investment in low emission technology

#### Develop and document assumptions

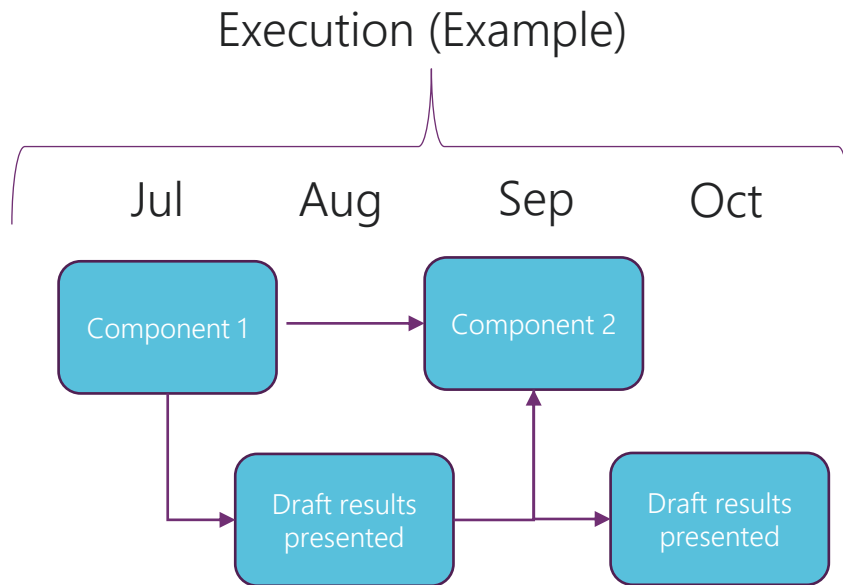
- Installation costs
- Degradation
- Tariff adoption
- Network infrastructure
- Saturation points
- 3 battery operating types:
  - VPP,
  - uncontrolled solar shifting, and
  - unaggregated tariff optimisation

Asking stakeholders to read prior reports and suggest changes in focus or approach?

Slides such as this, outlining historical consultancy scopes, will be the starting point for discussion in the February and March FRG meetings

Feedback on the above, subject to constraints, will influence the plan that AEMO presents in April.

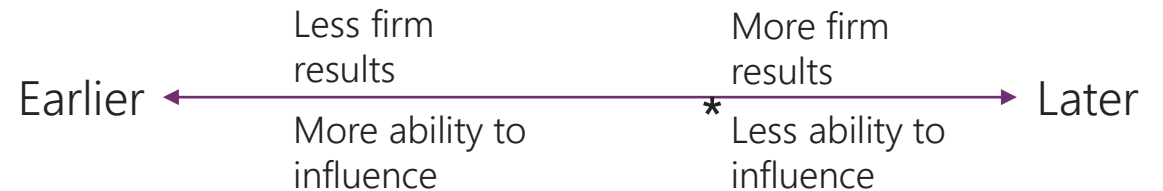
# Open discussion - how do we best engage during execution of the component forecasts?



## Preferred forms of engagement?

- Present and discuss
- FRG Consultation
- Workshop
- Surveys

- What is the preferred sequence of forecasting components?
- What is the preferred timing of presentation of draft results?



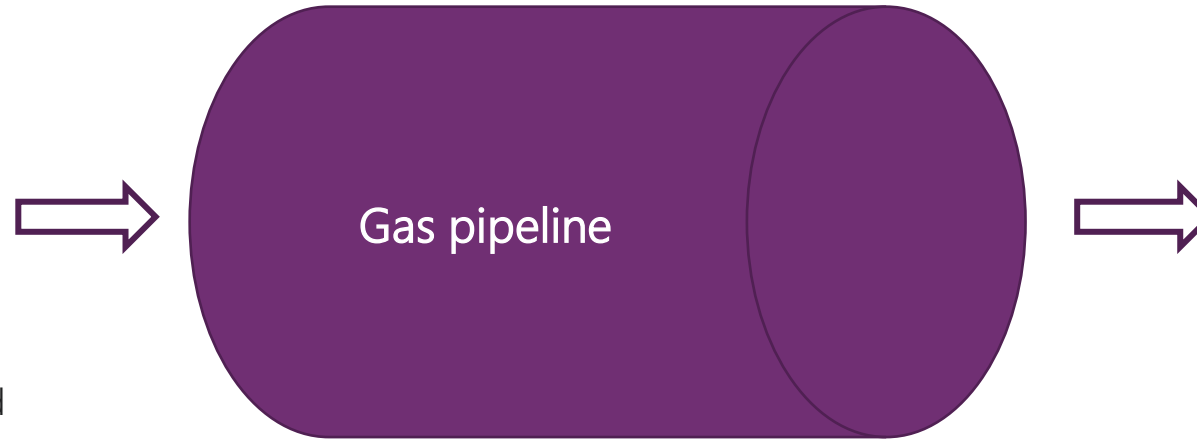
- What is the preferred form of engagement on the draft results?

Today's feedback on the above, along with constraints, will influence the plan that AEMO presents in April.

# Potential additional scenario to consider

## Gas and gas-equivalent production

- Existing natural gas fields and production facilities
- Alternative forms of gas production for blending
  - Hydrogen
  - Biomethane
  - Renewable methane
- Storage to balance supply and demand
- Electricity sector interactions



## Consumers

- Consumer demand impacts
  - technical capabilities to operate existing appliances and processes using gas blends?
- Transport sector coupling?
- Export industries? (hydrogen, ammonia)

AEMO is currently requesting stakeholder feedback on the appropriateness of expanding its scenario collection. The above scenario would explore a future where greater access to low or zero emission molecular fuel sources (such as blended hydrogen, biogas or other constituent gases) delivered through the gas network increases the role for molecules, rather than electrons, to reduce emissions.

Submissions : [forecasting.planning@aemo.com.au](mailto:forecasting.planning@aemo.com.au), by 4<sup>th</sup> February.

