Australia's National
Science Agency

GISERA | Gas Industry Social and Environmental Research Alliance

Progress report

The role of gas in South Australia

CSIRO | Australia Pacific LNG | QGC | origin | Santos | NSW Government | Australian Government Department of Industry, Science, Energy and Resources | Supported by Government of South Australia | Queensland Government | Northern Territory Government

Progress against project milestones

Progress against milestones/tasks are approved by the GISERA Director, acting with authority in accordance with the GISERA Alliance Agreement.

Progress against project milestones/tasks is indicated by two methods: Traffic light reports and descriptive Project schedule reports.

1. Traffic light reports in the Project Schedule Table below show progress using a simple colour code:

- **Green**:
  - Milestone fully met according to schedule.
  - Project is expected to continue to deliver according to plan.
  - Milestone payment is approved.
- **Amber**:
  - Milestone largely met according to schedule.
  - Project has experienced delays or difficulties that will be overcome by next milestone, enabling project to return to delivery according to plan by next milestone.
  - Milestone payment is withheld.
  - Milestone payment withheld for second of two successive amber lights; project review initiated and undertaken by GISERA Director.
- **Red**:
  - Milestone not met according to schedule.
  - Problems in meeting milestone are likely to impact subsequent project delivery, such that revisions to project timing, scope or budget must be considered.
  - Milestone payment is withheld.
  - Project review initiated by GISERA Director.

2. Progress Schedule Reports outline task objectives and outputs and describe, in the 'progress report' section, the means and extent to which progress towards tasks has been made.

Project schedule table

TASK NUMBER	TASK DESCRIPTION	SCHEDULED START	SCHEDULED FINISH	COMMENT
1	Preliminary modelling results and engagement	Oct-20	Sep-21	Completed
2	Final modelling results and engagement	Jun-21	Nov-21	This task will be completed February 2023.

Project schedule report

TASK 1: Preliminary modelling results and engagement

BACKGROUND

The project is designed in two stages so that stakeholders have the opportunity to influence the study assumptions and results. In this first stage the research team will develop the initial scenarios, assumptions and modelling results and present them to industry and government.

TASK OBJECTIVES

Design appropriate scenarios, extend modelling frameworks as required, collect appropriate data and assumptions, produce a set of projections, capture the activity in a report and discuss results and findings with industry and government.

TASK OUTPUTS AND SPECIFIC DELIVERABLES

A report outlining the methodology, scenarios, assumptions and preliminary results and findings; Engagement with stakeholders on the preliminary report for the purposes of revisiting the scenarios and assumptions so that they are more closely aligned with stakeholder input.

PROGRESS REPORT

This milestone is complete.

The project team completed a draft report showing two initially developed scenarios and modelling results, the team then established a Technical Reference Group and presented the preliminary modelling results at an initial TRG meeting on 22 September 2021. The TRG have recommended providing additional detail on the breakdown of gas demand projections and comparison with the “Gas Statement of Opportunities” published by the Australian Energy Market Operator, a contractor services will provide the economic analysis.

The preliminary report has been approved by the GISERA Director, and forms part of the output of task 2 (the final report) which will undergo peer review and be publicly released.

TASK 2: Final modelling results and engagement

BACKGROUND

The project is designed in two stages so that stakeholders have the opportunity to influence the study assumptions and results. In this second stage the research team will revise the scenarios and assumptions and produce a final set of results to communicate to industry and government.

TASK OBJECTIVES

Revise scenarios and assumptions collecting improved data as required, produce a revised set of projections, capture the activity in a final report and present results and findings to industry and government.

TASK OUTPUTS AND SPECIFIC DELIVERABLES

A report outlining the methodology, scenarios, assumptions and final results and findings; Engagement with stakeholders on the final report for the purposes of increasing their knowledge on the potential role of gas in meeting the state goals in relation to renewable integration and hydrogen production.

PROGRESS REPORT

This task will be completed February 2023.

Variations to Project Order

Changes to research Project Orders are approved by the GISERA Director, acting with authority, in accordance with the GISERA Alliance Agreement. Any variations above the GISERA Director's delegation require the approval of the relevant GISERA Research Advisory Committee.

The table below details variations to research Project Order.

Register of changes to Research Project Order

DATE	ISSUE	ACTION	AUTHORISATION
11/06/2021	Resourcing issues due to delays on other work	Milestone 1 extended from May 2021 to end of July 2021.	
11/06/2021	Subsequent delays from earlier task	Milestone 2 extended from September 2021 to end of November 2021.	
30/08/21	Resourcing issues due to delays on other work	Milestone 1 extended from July 2021 to September 2021.	
18/03/2022	Delays due additional round of review with Technical Reference Group required.	Milestone 2 extended from November 2021 to March 2022.	

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GISERA is a collaboration between CSIRO, Commonwealth and state governments and industry established to undertake publicly-reported independent research. The purpose of GISERA is to provide quality assured scientific research and information to communities living in gas development regions focusing on social and environmental topics including: groundwater and surface water, greenhouse gas emissions, biodiversity, land management, the marine environment, and socio-economic impacts. The governance structure for GISERA is designed to provide for and protect research independence and transparency of research.