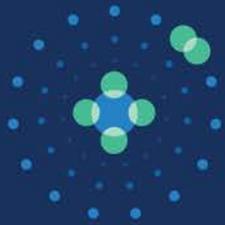


*Future-proofing Australia's energy
exports through industrial-scale
innovation*

Stage 1 Update
August 2019



**FUTURE
ENERGY
EXPORTS**

Cooperative Research Centre

Bid Milestones and Expected Timing



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APRIL
2019

JUNE
2019

SEPT
2019

OCT
2019

NOV
2019

DEC
2019

JUL
2020



Stage 1
Opens



Stage 1
Closes
1 July
submission



Stage 1
outcomes
announced



Stage 2
application
submitted



Interviews



Outcomes
announced



Funding
Issued

CRC: Stage 1 Update

1. Future Energy Exports (FEnEx) CRC partners (18) submitted a Cooperative Research Centre (CRC) application on 1st July 2019.
2. The bid consists of:
 - i. Four Research Programs; two core programs focussed on 1) LNG and 2) hydrogen, with two cross-cutting and enabling programs; 3) digital technologies and interoperability and 4) market and sector development
 - ii. A list of indicative projects.
 - iii. A governance structure, supported by key personnel.
 - iv. Key national infrastructure facilities, research capability and in-kind support.
 - v. A statement of indicative impact over the life of the CRC.

CRC: Current Partners



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CRC: Next Steps towards Stage 2

July
2019

Aug
2019

Sept
2019

Oct
2019

Nov
2019

Dec
2019

Jan
2020

- Establish Steering Committee
- Stage 2 plan
- Progress partner engagement (industry & university)

Launch of stage 2

- Develop 'line of sight' & milestones for Impact Tool
 - input, activities, outputs, usage and impact
- Review CRC Organisational Structure
- Progress partner engagement
- Better define research projects and industry interests
- Finalise partner declarations & contributions

CRC: Benefits of participation

- Industry participants can deal with one organisation, the FEnEx CRC, to access the best team in Australia to develop solutions to address their needs. The FEnEx CRC will:
 - Manage the process professionally, from idea inception to deliverable;
 - Implement best practice governance and management, including the selection and management of research projects, ensuring alignment with industry participants' priorities;
 - Deliver an industry focused education and training program to build engagement, innovation and R&D capacity in industry and research sectors; and
 - Leverage industry funds with contributions from the Commonwealth and research providers.
- Participating in the CRC will give participants;
 - Access to infrastructure to develop and pilot new technologies for LNG and Hydrogen; and
 - Opportunities to generate and access to new IP for commercialisation.
- Some participants will be able to claim R&D tax credits
- Participants can be confident that the FEnEx CRC will deliver, as, CRCs are managed to deliver impacts not just publications and must report progress quarterly to the Government. Additionally, the stability of funding provides certainty for the research and end user partners.

Useful Resources

<https://www.fenex.org.au/resources/>

General

- Website www.fenex.org.au
- [Current Information Brochure July 2019](#)

Projects

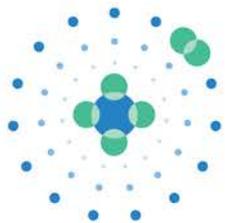
- [FEnEx: Indicative Projects List for Program 1](#)

Many of these indicative projects will ideally be conducted using novel, industrial scale research infrastructure established through the LNG Futures Facility, which will be a foundation project of the Future Energy Exports CRC. Details about the LNG Futures Facility, which is currently in Front End Engineering Design (FEED) thanks to funding from NERA, Chevron, Shell, Hyundai Heavy Industries and the University of Western Australia, can be found [here](#).

- [FEnEx: Indicative Projects List for Program 2](#)
- [FEnEx: Indicative Projects List for Program 3](#)
- [FEnEx: Indicative Projects List for Program 4](#)

Partners

- [Term Sheet 2019](#)
- [Partner Declaration and Contribution Information Round 21 with Appendices](#)



**FUTURE
ENERGY
EXPORTS**

Cooperative Research Centre

Meeting Close

About the FEnEx CRC



OBJECTIVES

- Transition the LNG industry to higher levels of efficiency and competitiveness;
- Develop Australia's hydrogen export industry;
- Unlock resource value in the energy sector with interoperable digital technologies;
- Deliver a highly skilled workforce with the capabilities needed to transform the sector's productivity.



PARTNERS

- Industry: LNG and H₂ producers and the service industries that facilitate them e.g. shipping, transport, re-gasification; mining sector; OEMs and suppliers of process control equipment. Research: UWA, Curtin, UoA, UniSA, QUT
- Community: e.g. State government, community groups



RESOURCES

- 10-year term;
- \$80M cash: \$40M from CRC, \$40M from participants;
- At-least \$80M from in-kind contributions (people, infrastructure and consumables)
- 80 industry placed research candidates plus post docs