



NSW Decarbonisation Innovation Hub Information Session

August 2021

Office of the NSW Chief Scientist & Engineer

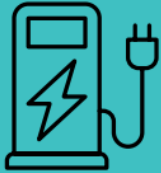
Aim of information session

- Background to Decarbonisation Innovation Hub
- Decarbonisation Innovation Hub Overview
- Approach to establishing the Decarbonisation Innovation Hub
- Timelines for Decarbonisation Innovation Hub establishment
- Q&A

NSW Net Zero Industry & Innovation Program



1. **Clean Technology Innovation** - supporting the development and continued innovation of emerging clean technologies in NSW.

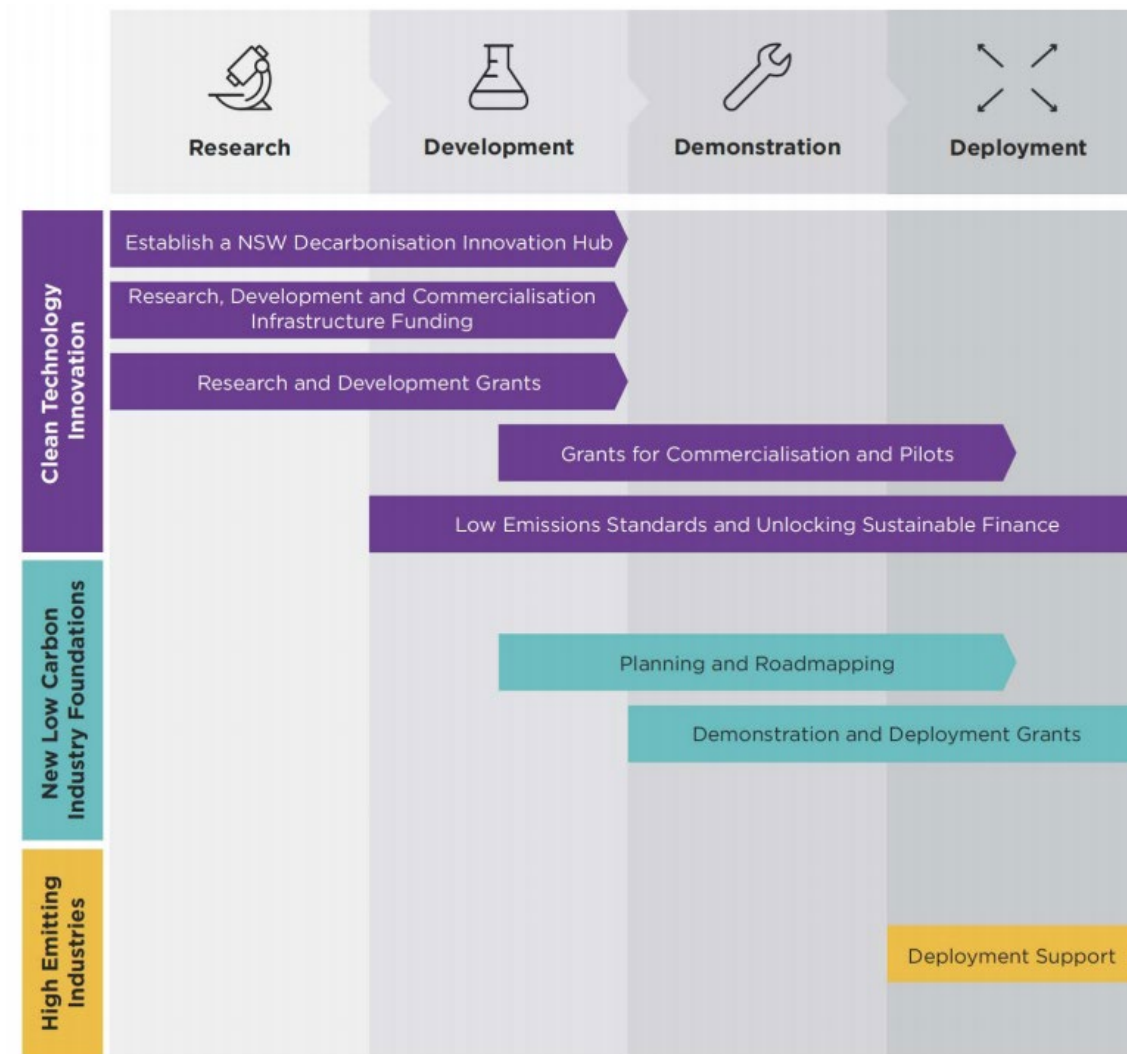


2. **New Low Carbon Industry Foundations** - laying the foundations for low emissions industries by building enabling infrastructure and increasing the capability of our supply chains in NSW.

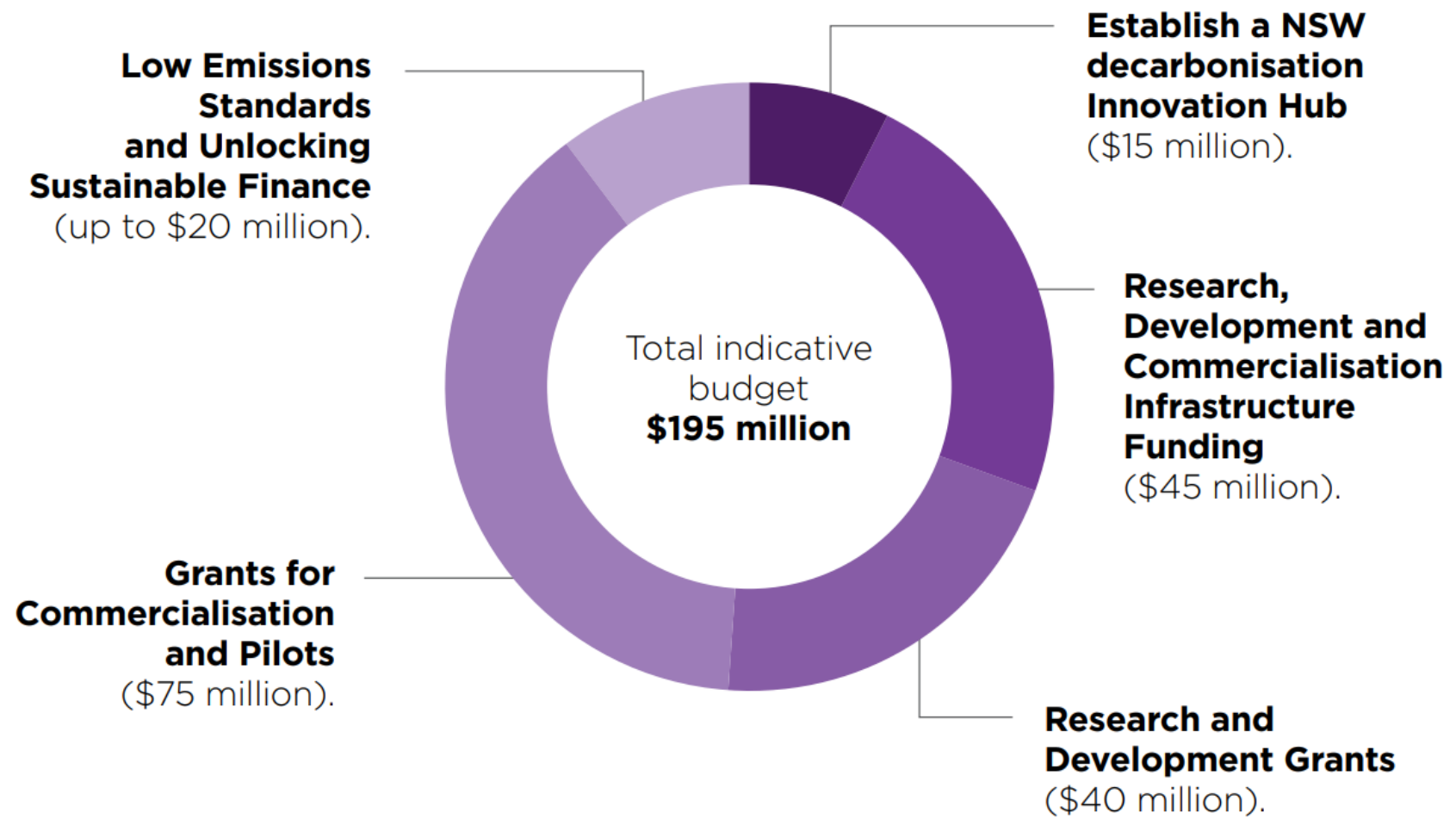


3. **High Emitting Industries** - deploying low emissions technologies and infrastructure to reduce the emissions associated with existing, high emitting industrial facilities in NSW.

Net Zero Industry & Innovation Program



Clean Technology Innovation Program



Decarbonisation Innovation Hub

Coordinate research, government and industry efforts across

- Energy Systems & Electrification
- Land and Primary Industries
- Power fuels including Hydrogen

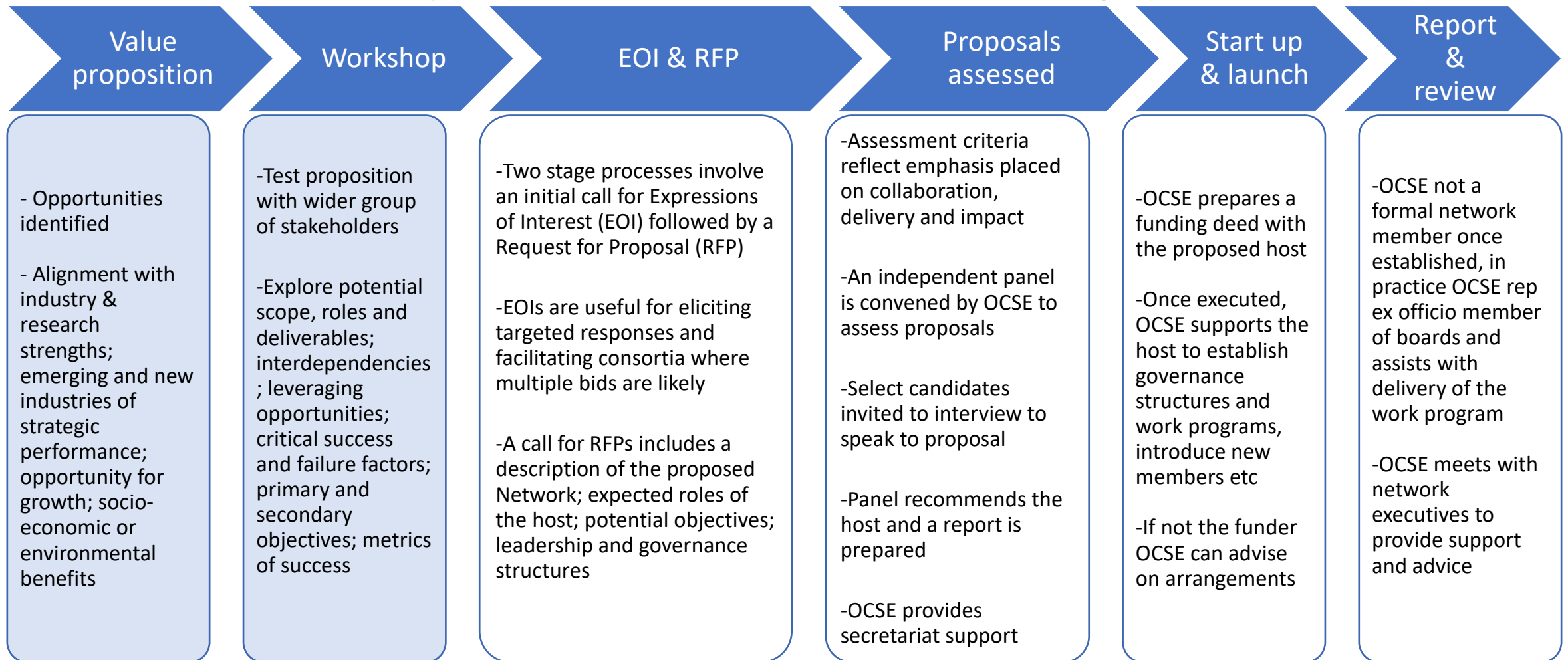
Key documents to inform EOI and RFP are available on OCSE website

- Decarbonisation Innovation Hub Information Paper
- Background Supporting Paper

<https://www.chiefscientist.nsw.gov.au/science-in-nsw/nsw-networks/decarbonisation-innovation-hub>



OCSE's Network process - establishment & oversight



Information and supporting papers

- Information paper
 - Background
 - Overarching framework
 - Governance
 - Operations
 - Funding
 - Workplan/activities
 - Establishment
- Supporting paper
 - Stakeholder consultation
 - Reasoning behind three networks

Key documents for responding to EOI and RFP



Hub Vision

To support a mature and collaborative decarbonisation innovation community in NSW, by fostering the development, commercialisation and adoption of decarbonised technologies and services to reduce emissions to net zero by 2050 and provide economic benefit to NSW

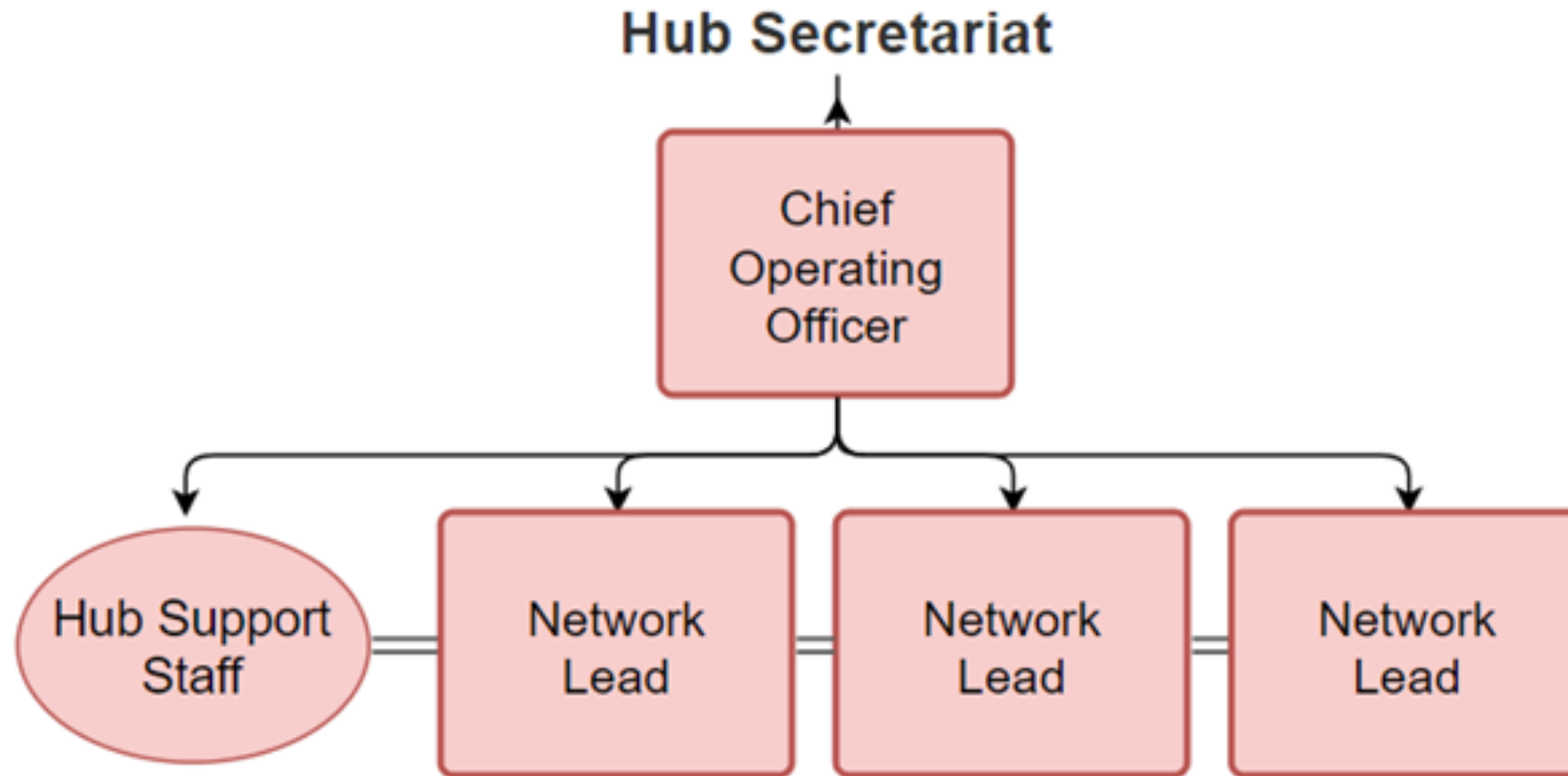
Hub guiding principles

- **Decarbonisation** – the Hub will support activities to accelerate R&D, commercialisation and deployment of technologies and services for decarbonisation and achieving net zero emissions by 2050
- **Policy** – the Hub will ensure its activities are aligned with NSW Government policy on decarbonisation, including the Net Zero Plan and the NSW Chief Scientist & Engineer’s Decarbonisation Innovation Study
- **Cost-effectiveness** – the Hub will only directly fund initiatives that can demonstrate a viable pathway to a long-term and/or cost-effective decarbonisation solution
- **Net benefit** – the benefits of the activities undertaken by the Hub should outweigh perverse impacts
- **Collaboration** – the Hub will support collaborative approaches to decarbonisation, working in good faith with researchers, industry and government

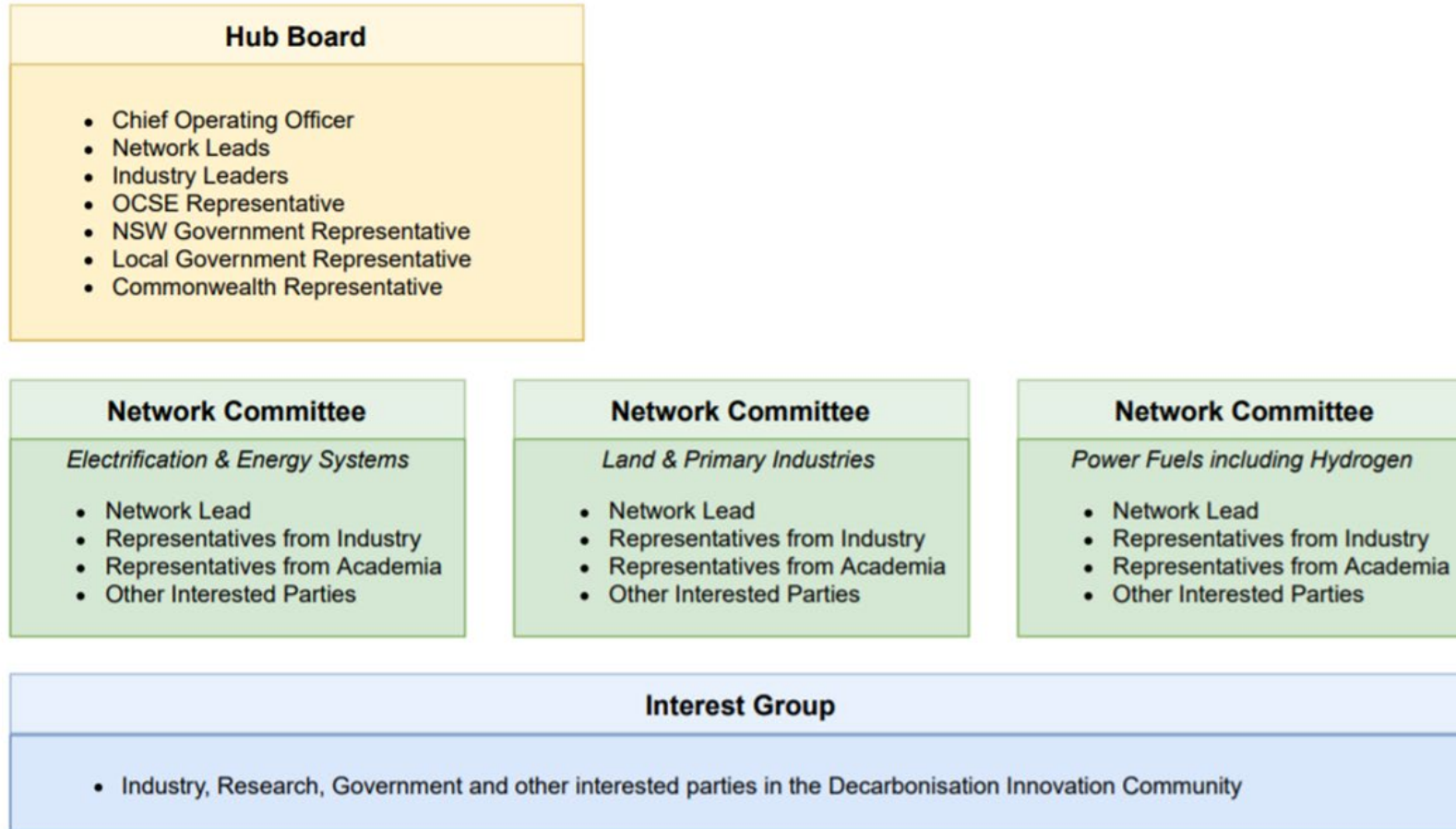
Hub objectives

- Support and accelerate the research, development and commercialisation of decarbonisation technologies and services in NSW
- Foster collaboration, partnerships and projects between industry, researchers and government that drive decarbonisation in NSW and elsewhere
- Attract investment to NSW that supports the research, development and commercialisation of decarbonisation technologies and services
- Support the growth of skills, knowledge and workforce in decarbonisation technologies and services in NSW

Potential structure and governance of Hub



Potential structure and governance of Hub



Hub and networks

- Consortium of organisations leading, could include
 - Research organisations
 - Not for profit organisations
- Membership
 - Open to all
 - Collaborative
- Strong NSW focus
 - Decarbonisation
 - Economic benefit
 - Skills development
- Outcomes focus
- Technology, services and skills
 - Research, development, demonstration and commercialisation
 - Adoption
- Current and future needs
 - Assist with other NSW Net Zero initiatives
 - Take advantage of national and international initiatives
 - Includes 2030 and beyond

Establishing the Hub

- Competitive process to determine the Hub host
 - Expression of Interest (EOI) – identify interested parties
 - Request for Proposal (RFP) – proposal from interested parties
 - Overseen by a Reference Group
- Development of a business plan
 - Based on successful proposal
 - Input from the Reference Group

EOI process

- Survey
- Questions
 - Contact details – name, email & organisation
 - Role interested in?
 - Hub host
 - Network lead
 - Network member
 - Interest Group member
 - Which Network of interest
 - Electrification and Energy Systems
 - Land and Primary Industries
 - Power fuels including Hydrogen
- Questions
 - Brief description of organisation
 - Your role as it related to the Hub
 - Collaboration of relevance to Hub
- Information shared with parties interested in RFP
 - Contact details, role and Network of interest
 - Assist them with their RFP
 - Can opt out

RFP process

- Detail proposal from group submitting RFP
 - Strongly encourage to partner with others – “consortium” proposal with a lead
- Information required
 - Organisation(s) – name, role & experience
 - Comment on proposed vision, guiding principles and objectives of the Hub
 - Proposed structure and governance
 - Membership model
- Information required
 - Action plan for the Hub
 - short-term - establishing
 - medium term – delivering and growing
 - long term – maintain and sustain 2030 and beyond
 - Proposed monitoring, evaluation, reporting and improvement (MERI) framework
 - economic and carbon abatement analysis
 - Proposed budget – 2021 to 2030

Key references: Information paper and supporting paper

RFP assessment

- Reference Group to assess
- Shortlist proposal
- Interviews
- Selection of preferred Hub host(s)

Next steps: Development of business plan based on successful proposal

Timeline

2 August	Stakeholder information session Information and Supporting Paper on website EOI on website
3 August	Stakeholder presentation on website
6 August	Q&A published on website
20 August	EOI closes
30 August	RFP open
8 October	RFP closes
5 November	Decision of preferred Hub host
Early 2022	Hub established
https://www.chiefscientist.nsw.gov.au/science-in-nsw/nsw-networks/decarbonisation-innovation-hub	

Questions & Answers

- Question
 - Type in chat now
 - Submit decarbonisation.hub@chiefscientist.nsw.gov.au
- Formally capture all questions and provide responses to all via website
- All responses will be available on the website by 9 August 2021