

# CCAA

## State meeting

Dr Paul Heithersay | 13 December 2023

[energymining.sa.gov.au](http://energymining.sa.gov.au)



# Acknowledgement of Country

As a guest here on Kurna land, I acknowledge everything my department does impacts on Aboriginal country, the sea, the sky, its people, and the spiritual and cultural connections which have existed since the first sunrise.

Our responsibility is to share our collective knowledge, recognise a difficult history, respect the relationships made over time, and create a stronger future. We are ready to walk, learn and work together.







# Mined Extractives Contribution



**GROSS SALES**

**\$309.7 million**

**23FY**



**ROYALTIES**

**\$5.9 million 22FY**

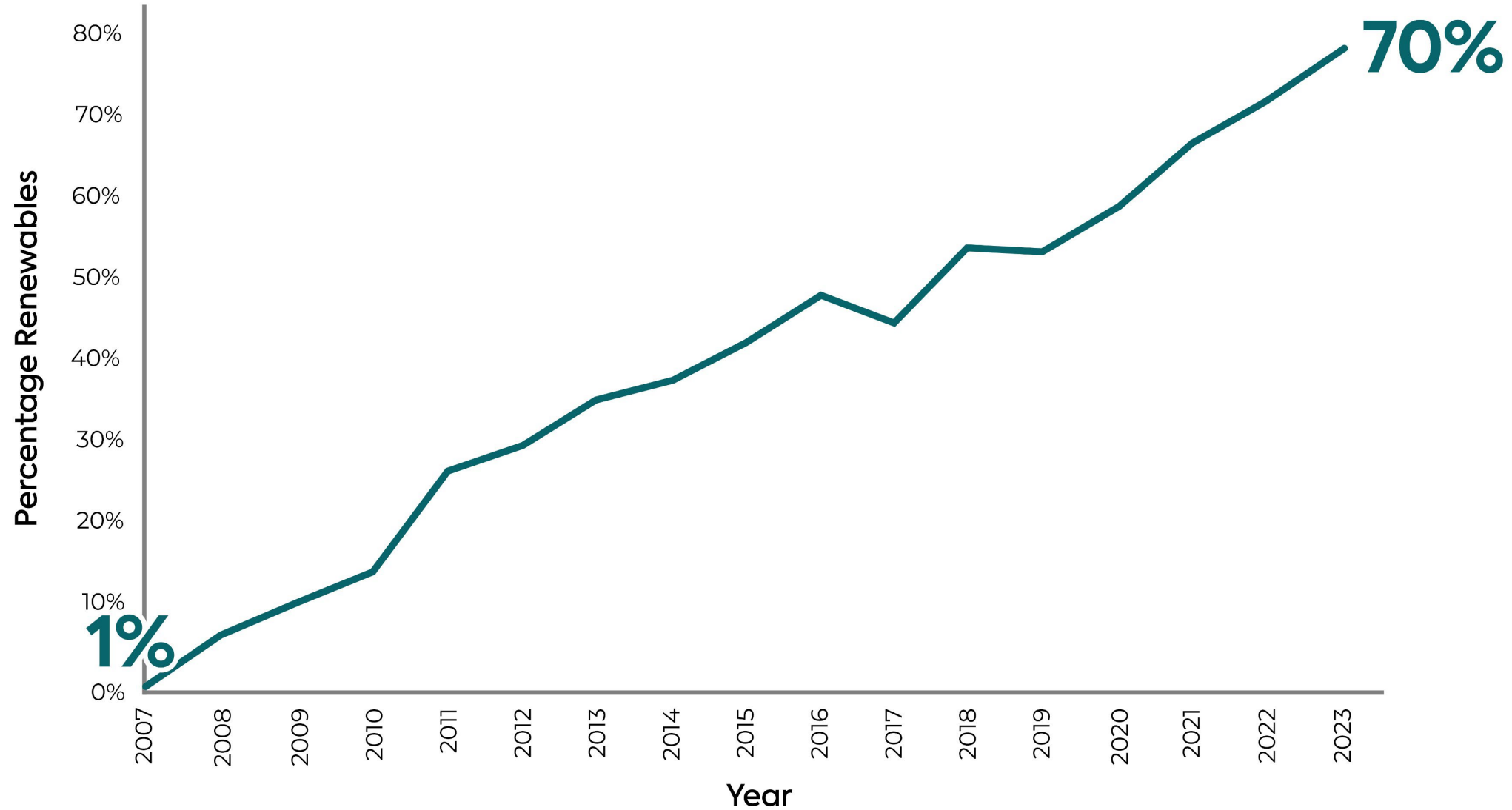


**MULTIPLIER**

**BENEFITS**



# Our road to 100% renewables



# Hallett Group

Comparative Carbon Emissions of regular GP Cement and Optimised Green Cement

**500ktpa**

Cementitious

**82%**

Reduction on emissions or

**314kt CO<sub>2</sub>**

GP Cement

**384kt CO<sub>2</sub>**

Emissions

Optimised Green Cement

**70kt CO<sub>2</sub>**

Emissions



# Hydrogen and Renewable Energy Act

- A new Act to slash red tape, streamline processes, and build on South Australia's global leadership in decarbonisation.
- Government owned land and waters where renewable energy projects can be hosted will be identified by the South Australian Government.
- Government will have the ability to go to market and companies will compete for licences to access.
- New, fit for purpose licensing arrangements will be established for projects across all land types, enabling regulation of the whole project life cycle.



**Comprehensive framework  
for sustainable growth**

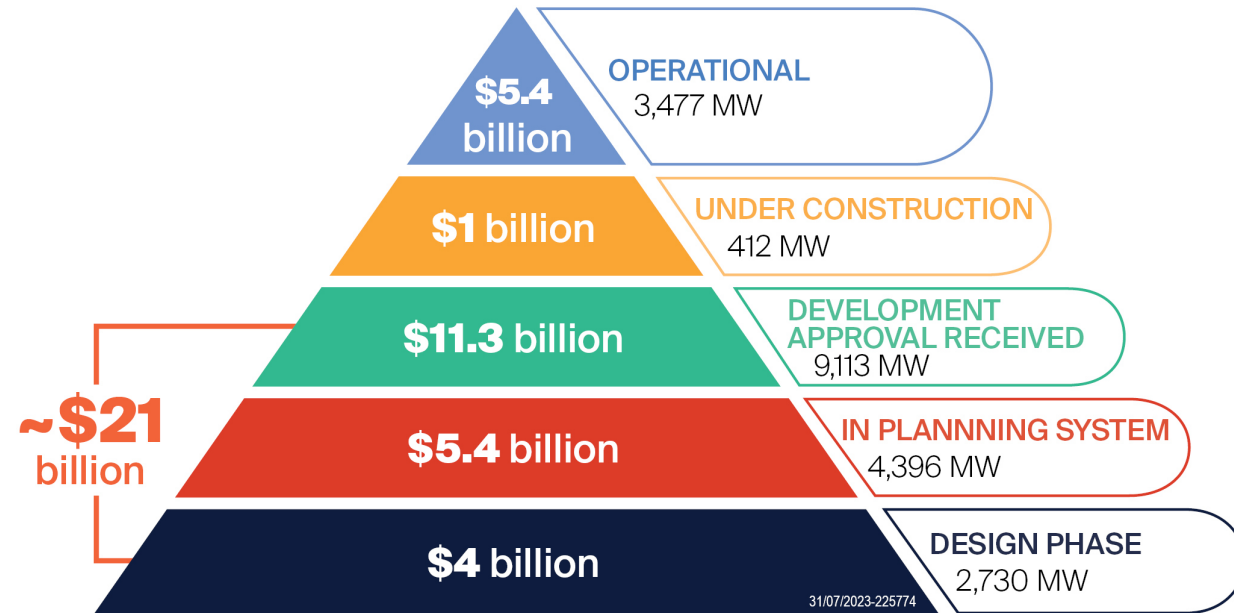
# Renewable energy project pipeline ripe for expansion\*

- 90+ large-scale renewable energy projects
- estimated capital development investment of \$21 billion and 21 GW generation, 55 approved.
- The installation of every new wind turbine requires more than 1300 tonnes of concrete for the foundation.

**92 RENEWABLE ENERGY PROJECTS**  
in the development pipeline totaling  
**\$21bn INVESTMENT**

## CLEAN ENERGY PROJECTS PIPELINE

JUNE 2023







# South Australia's green paper on the energy transition



**1,200**  
YourSay website visits



**1,600**  
Downloads of the green paper



**2**  
Roundtables



**391**  
Submissions



**~ 60**  
Forum posts



**~ 100**  
Written submissions

Next step **White Paper 2024**

# One DEM One Window



# DEPARTMENT FOR ENERGY AND MINING





# Amendments of the *Electricity (General) Regulations 2012* to establish a new planning and forecasting function

Consultation Paper

December 2023

Have **yourSAy** on

## PROPOSED AMENDMENTS TO SOUTH AUSTRALIA'S ELECTRICITY REGULATIONS



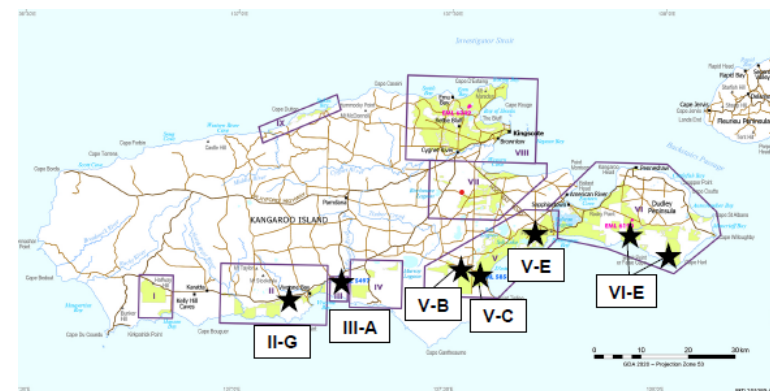
- Shift from national to state-based electricity planning and forecasting
- Technical regulator to take on local decision making to act in the interests of South Australia
  - Energy demand forecasting
  - Power system design and market modelling and analysis
  - Developing and maintaining a South Australian Electricity Development Plan
- Consultation open to 5 January 2023
- YourSAy website





# Resource potential review for lime sand on Kangaroo Island

Carmen Krapf



**Kangaroo Island - South Australia  
LIME SAND RESOURCE  
REGION OF INTEREST NOT AFFECTED BY  
ENVIRONMENT and LAND USE RESTRICTIONS  
(EXCLUDING PRIVATE USE)  
with LIME SAND POTENTIAL**

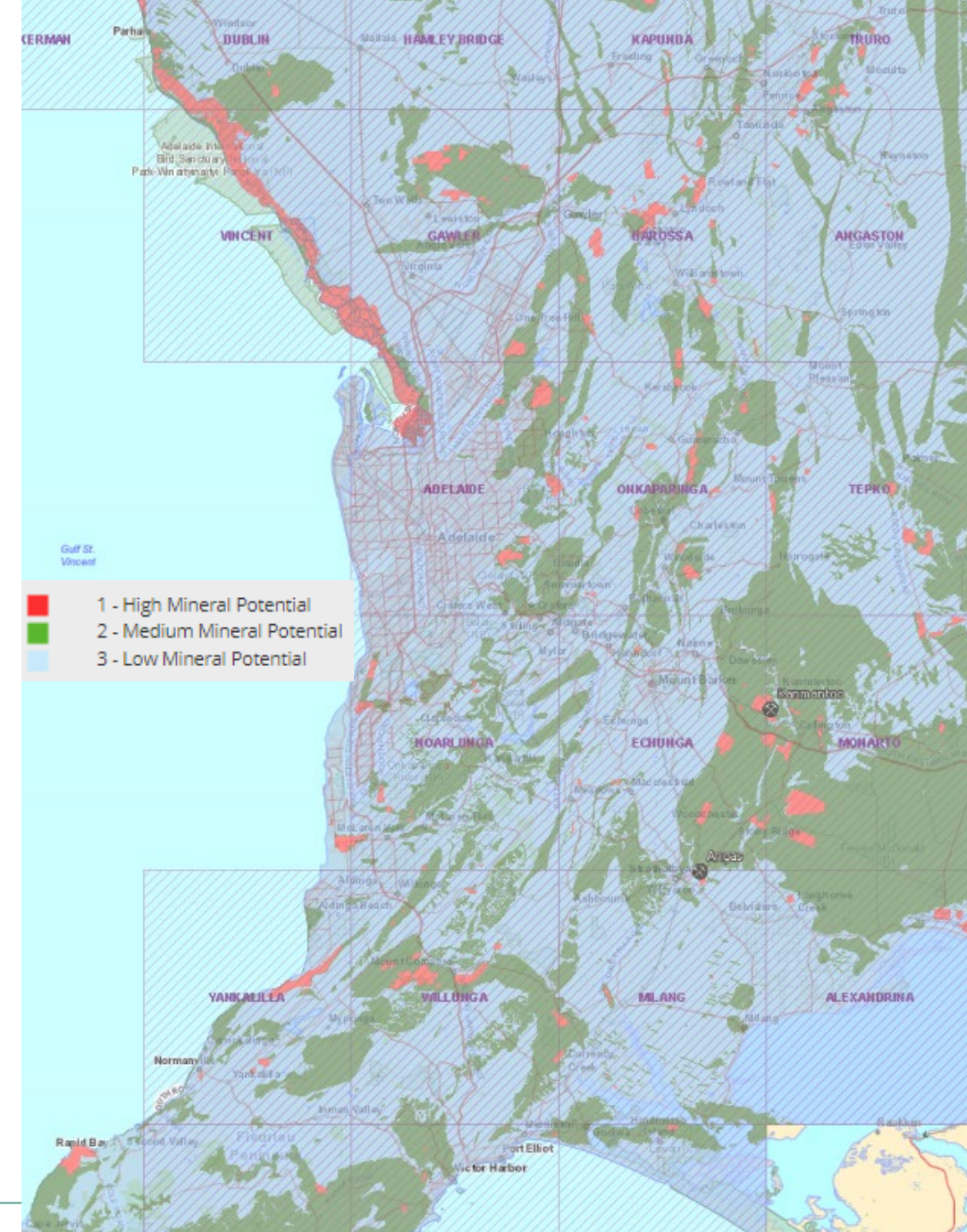


Cemented aeolian sand of Bridgewater Formation with calcrete capping



# Strategic Resource Area and Resource Extraction Protection Overlay Areas

## Focus for 2024

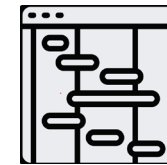


# Digital transformation

## How will mining and exploration regulation system benefit industry?

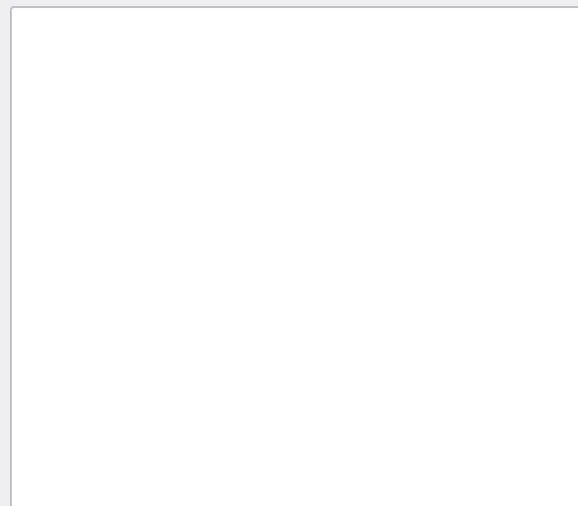
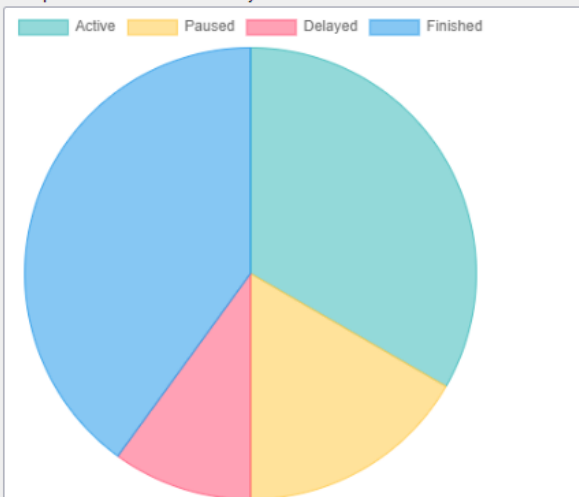
MERS will:

- provide industry with the ability to monitor application progress and assessment timeframes
- allow industry to track critical regulatory dates and manage reporting requirements
- reduce assessment and approval timeframes
- provide tenement holders with account management functionality
- enable community to more easily access publicly available information.





\* Graphs/Charts section currently under construction.



### Requests for Information

Show  entries Search:

Ref No.	Application	Required Action	Date Received	Due Date	Status
<a href="#">RFL-1311</a>		Respond to RFI	16-11-2023	16-12-2023	Issued
<a href="#">RFL-1310</a>		Resubmit Application	14-11-2023	14-12-2023	Issued
<a href="#">RFL-1303</a>	<a href="#">EL Application 2023/00150 - 222</a>	Resubmit Application	10-11-2023	10-12-2023	Responded
<a href="#">RFL-1306</a>		Respond to RFI	10-11-2023	10-12-2023	Issued
<a href="#">RFL-1304</a>		Respond to RFI	10-11-2023	10-12-2023	Issued

Showing 1 to 5 of 60 entries Previous  2 3 4 5 ... 12 Next

### Action Items

Show  entries Search:

Ref No.	Subject	Ten/Ref No.	Date Received	Due Date	Status
<a href="#">Ref1</a>	Request for Info	TEN1	19/07/2023	29/07/2023	Active
<a href="#">Ref2</a>	Report due	TEN1	18/07/2023	29/07/2023	Active
<a href="#">Ref3</a>	Report due	TEN1	12/07/2023	23/07/2023	Active

Showing 1 to 3 of 3 entries Previous  Next

- Begin
- Applicant & General Details
- Identify Application Area
- Map Layer Intersects
- Minerals & Model
- Exploration and Expenditure
- Technical and Operational Capability
- Financial Capability
- Material Non Compliance
- Area held in last 3 months
- Review
- Payment

## Exploration and Expenditure

Propose a program of exploration and expenditure for the first two years of tenure that will effectively target the minerals and test the exploration model. It should outline a phased and costed breakdown of proposed activities including geoscientific investigation and evaluation, stakeholder engagement and environmental management activities for the licence area.

The proposed program must meet the [exploration expenditure policy's](#) minimum requirements.

Area Size: Km2  
 The calculated minimum expenditure commitment for the first 2 years is: AUD \$40,000

### Client Activities

[New Client Activity](#)

Activity	Description	Expenditure
No data available in table		

Total Period Expenditure AUD: \$0

Showing 0 to 0 of 0 entries

[Previous](#) [Next](#)

There are no records to display.

Additional Details/Information (Max 1000 characters) [Expand/Collapse](#)

[Attach Files](#) (Click to select or drag files, max 250 Mb per file)

[Upload Files](#)

File Name	File Size (Mb)	Created On	Url	Delete
No Files Uploaded				

Showing 0 to 0 of 0 entries

[Previous](#) [Next](#)

[Previous](#) [Save and Next](#)

**Create** x

Activity

Lookup records x

Search

Choose one record and click Select to continue

- Name
- Administration or Planning: Geophysical/geological modelling
- Administration or Planning: Planning/office studies: Other (specify).
- Administration or Planning: Tenement Administration
- Airborne Exploration: Digital terrain modelling
- Airborne Exploration: Electromagnetics
- Airborne Exploration: Gravity
- Ion: Magnetics

[Select](#) [Cancel](#) [Remove value](#)

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# Contacts

**Paul Heithersay,  
Chief Executive**

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## **Department for Energy and Mining**

11 Waymouth Street,  
Adelaide, South Australia 5000  
GPO Box 320  
Adelaide, South Australia 5001  
E: [demreception@sa.gov.au](mailto:demreception@sa.gov.au)



# DECARBONISATION OF INDUSTRY

**HILTCRC**

Heavy Industry  
Low-carbon Transition



## Program 1 Process Technologies

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### Streams

- Producing green iron products from magnetite
- Producing green iron products from Pilbara ores
- Green alumina calcination
- Low-carbon lime and cement



## Program 2 Cross-cutting Technologies

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### Streams

- Integrating variable energy sources into industrial processes
- New energy sources: electrification, hydrogen, solar thermal and biomass/waste
- Hybrid technology for multiple energy sources
- Integrated capture and re-use of CO<sub>2</sub> in industrial processes



## Program 3 Facilitating Transformation

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### Streams

- Heavy industry roadmaps and scenario analyses
- Supply chain development and commercialisation pathways
- Community engagement and sustainability leadership
- Technology commercialisation