Actions for Enabling CO₂ Storage Development

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Intrinsic Inertia for CTS Deployment







Pathway to Market

Fit for Purpose Actions

- 🖊 Market
 - Value transfer
 - Contracted services
 - Market returns

Demonstration

- Capital and FiT support
- Risk allocation
- Infrastructure scale
- HOW?

Transition

• Site access

models

Targeted support for storage
Fiscal incentives

• Enabling business

Pathway to Market

The Transition from Demonstration

Government Enabling Interventions

- Electricity Market Reform CfD Allocation and rules
- Infrastructure loan guarantees
- Additional interventions to support transport and storage (e.g. cross sector tax breaks, purchase/capacity guarantees)
- Research and development funding

Crown Estate Actions

- Transport and Storage Development Group
- Commercial Development Group
- Facilitate emergent smart design with leasing competition structures
- Auctions and options contracts

Industry Actions

- Mixed projects with EOR and storage
 Collaboration on transport and storage infrastructure (hubs and common use)
- Coordination with industrial pure CO₂ emitters
- Liability aggregation and pooled insurance

Emergent Infrastructure Options

Building from Anchor Projects





Emergent Infrastructure Options

Leasing Competition Structures





Storage Site De-risking

Research and Development

Robust evaluation and selection of storage proposals

Geostatistics and probability density functions for reservoir and aquifer site characterisation

Measurement, monitoring and verification techniques

Corrective measures and remedial action

Facilitate optimised CO₂ transport and storage infrastructure development

Aquifer injectivity, pressure management, and containment

Pipeline standards and network/cluster design

Offshore CO₂ enhanced oil recovery with storage



Storage Site De-risking

Legal and Commercial



Creating a Positive Feedback



