Net Zero Go

ESC Product Team

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Net Zero Go

The "one stop shop" saving you time & effort in delivering local net zero projects.

Net Zero Go is a digital platform to help local authorities accelerate their net zero energy projects

It brings together the knowledge, the tools and the people needed to:

- Increase Capacity
- Increase Capability
- Increase Collaboration

.....In order to deliver successful net zero projects faster

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Accelerating the delivery of net zero projects

Net Zero Go aims to accelerate the delivery of local net zero projects by

Being the one stop shop for local net zero energy projects

- Working with, and signposting others' work;
- identifying gaps, reducing overlap & simplifying the landscape

Building **capability** of Local Authority officers & their support teams

- Providing targeted knowledge articles, case studies, guides in the Net Zero Library
- Providing support from experts & peers through Net Zero Support
- Building on knowledge from other programmes & alignment with other platforms

Building **capacity** of Local Authority officers & their support teams

- Provision of targeted templates, tools & step by step structure in Net Zero Projects
- Enabling Hubs to do more by sharing and aligning tools & templates

Foster an environment of **collaboration** by

- Supporting & encouraging peer to peer learning & sharing

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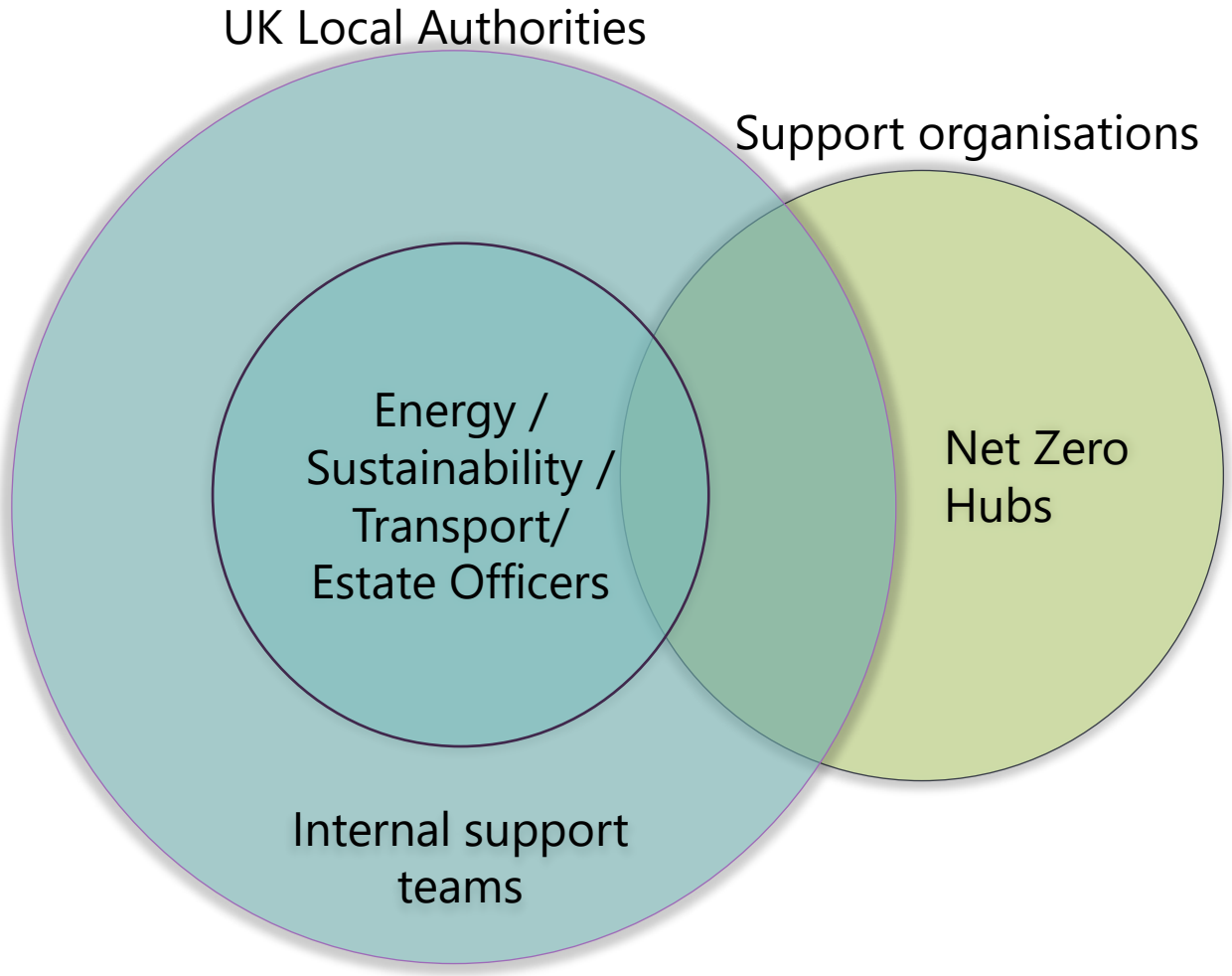
Who is it for?



Primary target user is the energy / sustainability / transport/ estate officers in UK Local Authorities.

We also support teams such as Procurement, Finance, Facilities, decision makers etc where relevant to the delivery of net zero projects

Secondary users are the project officers in support organisations e.g. Net Zero Hubs, that build capacity for the core user group

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Meeting user needs

- I have no time or resource
- Not knowing what's possible / where to start
- Not knowing how to deliver / lack of guidelines / best practice
- Not being able to justify why
- Not being able to demonstrate co-benefits
- Difficulty persuading decisionmakers
- Not being able to access the data that is needed
- Not having access to support from trusted experienced parties
- Don't know about / can't access funding & investment. Projects aren't investable / scalable
- Not having the commercial & technical knowledge to be an intelligent customer
- Having to reinvent the wheel (on procurement, legal etc)
- Not being able to collaborate (regionally, nationally)

NET ZERO GO

Net Zero Library

Articles, Case studies, Templates, Guides

Capability

Net Zero Projects

Project Templates, Tools, Dashboards

Capacity

Net Zero Support

Forums, peer to peer, experts

Collaboration

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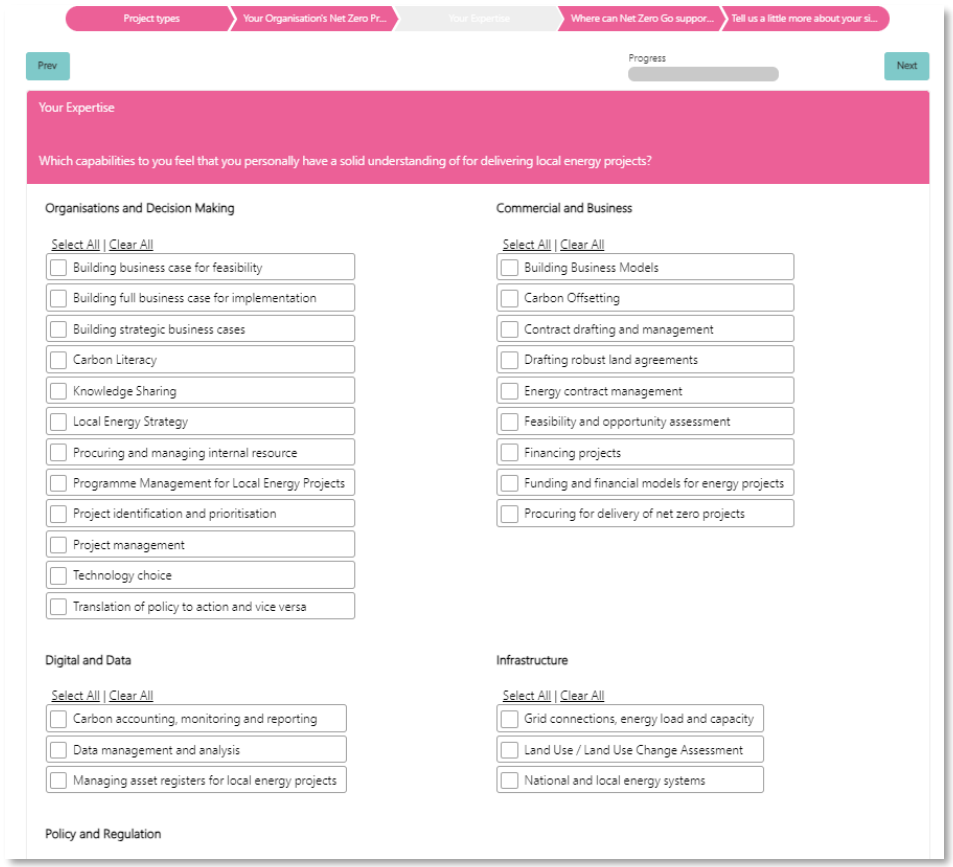
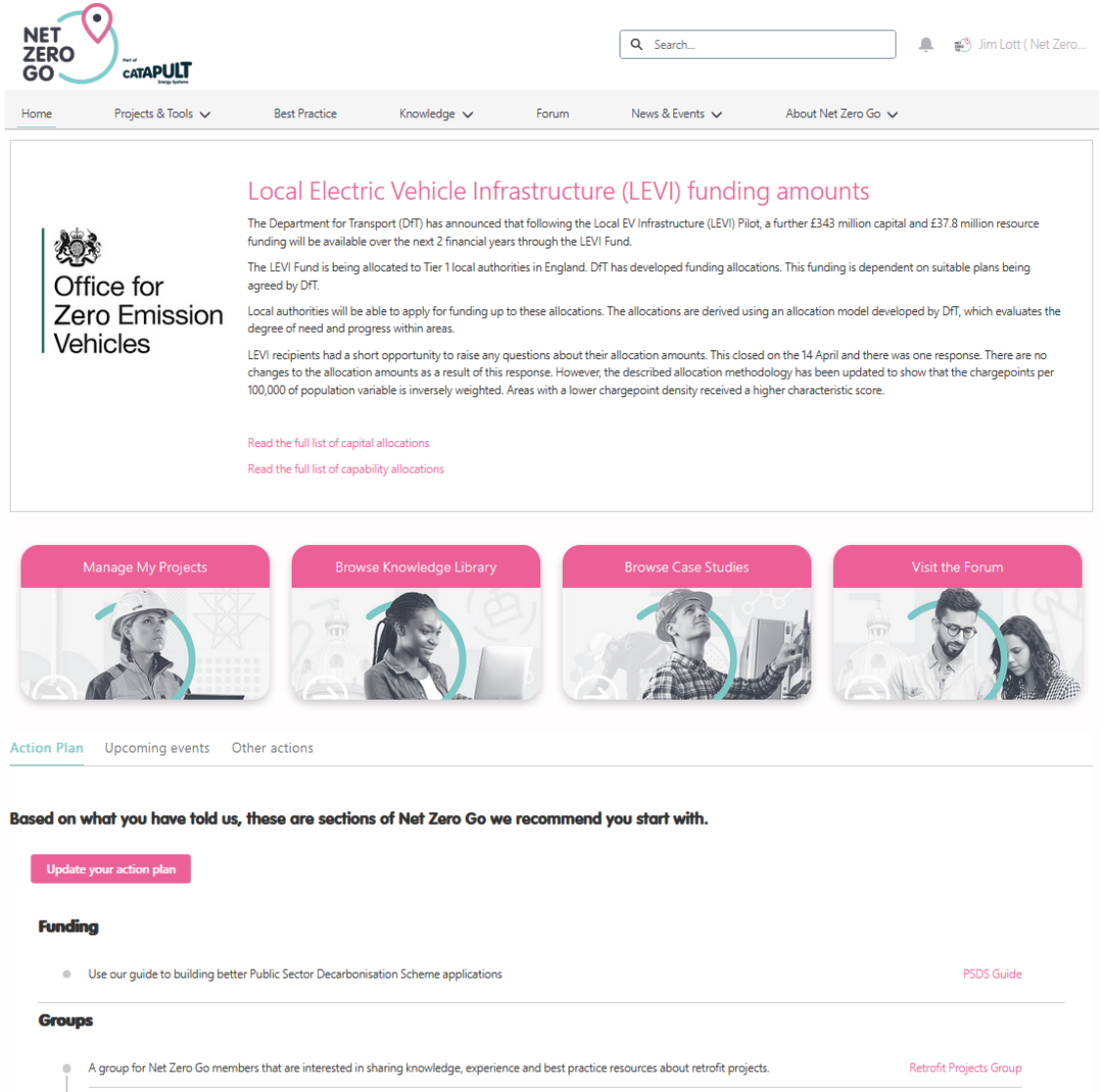
Personalised Experience





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Net Zero Go Library – Case Studies

Real world examples with deep information

Case Studies & Templates

Browse the examples below, or use the search bar above to view information about real-world projects, in various stages of development.

Use these resources to provide an evidence base for your project's business case. Or, check the templates below as sector-best templates to provide a starting poi

NZG Case Studies | Case Study Map | Other Case study libraries | Templates | EnergyREV Case study map

Case Study
Energise Barnsley

+ Follow

Organisation: BARNSLEY Metropolitan Borough Council
Region:
Case Study provided by: Greater South East Net Zero Hub

Topics (6)

Municipal Bond | Solar PV | Battery Storage | Peer to Peer Trading | Case Studies | Community Energy

Summary | Project Partners | Benefits | Components | Financial | Risk, Lessons and Impacts

Financial Sources (4)

NAME	TYPE	NARRATIVE	VALUE (£)
Retail Bond	Municipal Green Bond	Investors in the five year bond have received three years of interest to date of 5% per annum. The bond, dubbed the 'Barnsley Solar Bond', raised the £800,000 target in under three months over the summer of 2016, allowing local residents to invest in the scheme to benefit from the returns. Local ownership in the community bond is in excess of 60%.	800,000
Charity Bank	Private Sector Loan		1,200,000
Ignite	Risk mitigation/ Guarantee	2000000 underwriting facility	
Northern Powergrid	Grant	The full cost of the storage solutions was funded by local DNO Northern Powergrid through the NIC. Total cost of the project was circa £250,000 to cover the two year lifetime costs of all project participants and hardware.	250,000

Financial Model (1)

NARRATIVE	BUDGET	CAPEX	OPEX	REVENUE	PAYBACK	IRR
In terms of revenue streams, the project has shown a continuing growth in overall earnings, and despite a slight fall in generation levels from 2015-16 to 2018-19 of 1.21% for both residential and commercial arrays, revenue from power generation rose by 5.08% overall. PPA offerings are generating 2.68% higher revenue as well according to the 2018 Directors Report.		£2,630,870				

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Net Zero Go Library – Articles and Guides

Topic Based guides and Knowledge articles

Guide

Types of Business Case and the development process

Business Case | Develop Business Case (Strategic Outline Case) | Develop Project Brief (Outline Business Case)

This guide provides an overview of the types of business case to consider when developing a local energy project, and summarises the business case development process for large, medium and small spending proposals using the Five Case Model methodology for the preparation of business cases. This structure is recommended by HM Treasury, the Welsh Government and the UK Office of Government Commerce. A separate guide is available within Net Zero Go to help you navigate and access tools and resources designed to support you to make the case for local energy projects, here.

The key types of business case outlined in this guide include:

- **Programme Business Case** (PBC) - for related items of spending comprising multiple schemes, small to large.
- Three stage project business case - for medium and large scale projects requiring a competitive procurement.
  - Stage 1: **Strategic Outline Case** (SOC)
  - Stage 2: **Outline Business Case** (OBC)
  - Stage 3: **Full Business Case** (FBC)
- **Business Justification Case** (BJC) - for small and medium scale, low risk projects where the procurement route has been pre-competed.

Each local authority will have its own internal decision making process which should be consulted when developing business cases to ensure that the appropriate strategic context has been determined.

The sections are as follows:

1. Programme Business Case (PBC)
   - 1.1. HM Treasury Programme Business Case (PBC) template
2. Strategic Outline Case (SOC)
   - 2.1. Five Cases in the Strategic Outline Case (SOC)
   - 2.2. HM Treasury Strategic Outline Case (SOC) template
3. Outline Business Case (OBC)
   - 3.1. Five Cases in the Outline Business Case (OBC)
   - 3.2. HM Treasury Outline Business Case (OBC) template
4. Full Business Case (FBC)
   - 4.1. Five Cases in the Full Business Case (FBC)
   - 4.2. HM Treasury Full Business Case (FBC) template
5. Business Justification Case (BJC)
   - 5.1. HM Treasury Business Justification Case (BJC) templates

HM Treasury

Provided by HM Treasury

Related | Files

Recommended Articles

	Article Title
1	Outline Business Case Generic Project Template
2	Business Case Glossary
3	Strategic Outline Case (SOC) Generic Project Template
4	Public Sector Decarbonisation Guidance: Developing your Strategy
5	Public Sector Decarbonisation Guidance

Develop Business Case (Strategic Outline Case)

Topic Description

The Business Case examines and appraises possible approaches or options against the Project Outcomes (social, environmental and economic considerations) defined in the Requirements. On a small project, the Business Case might comprise a few pages; however, on larger projects it can run to several comprehensive volumes, prepared by a wide range of consultants and advisers. On some larger projects, the Business Case is reviewed and updated beyond Stage 0 until the project is given final approval.

Articles | References | Tools | Case Studies | Funding | Datasets | Products and services

Net Zero Guides to Best Practice

Types of Business Case and the development process

This guide provides an overview of the types of business case to consider when developing a local energy project, and summarises the business case development process for large, medium and small spending proposals using the Five Case Model. This structure is recommended by HM Treasury, the Welsh Government and the UK Office of Government Commerce.

Developing the Business Case for your local energy project

This guide has been developed to help you navigate and access tools and resources designed to support you to make the case for local energy projects. It has been broken down using the 'Five Case' business model, recommended by HM Treasury, the Welsh Government and the UK Office of Government Commerce. It has been widely used across central government departments and public sector organisations over the last 10 years.

General articles to support use of Net Zero Go and Local Energy Projects.

Business Case Glossary

Provided by Local Partnerships

Glossary to support business cases

Strategic Outline Case (SOC)

Provided by HM Treasury

This is based on the Treasury green book project guidance using the 5 case model. The Strategic outline case focuses primarily on the strategic case, economic case and project management case.

Five Case Model

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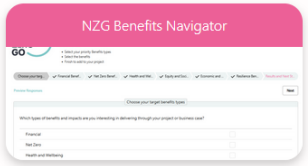
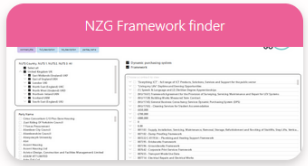
Net Zero Go Library – Tools and Templates

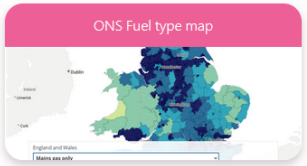
Best Practice Tools and templates from across the sector

Featured Tools

Net Zero Go has a series of tools that allow you to find information and create data for your project or business case.







Net Zero Go tools | External Tools

External Tools

There are a wide range of tools and toolkits available from providers across the local energy project sector. We have idenfitied some here. You can navigate to tools for specific subjects via topics pages

Anthesis

SCATTER

SCATTER is a local authority focussed emissions tool, built to help create low-carbon local authorities.

Ashden

Climate Action Co-Benefits Toolkit

The toolkit supports local authorities and others on their climate change ambitions. It demonstrates how action on climate change can deliver many local benefits, including improved health, increased equity and social cohesion, economic opportunities and increased resilience.

Carbon Trust

Energy benchmark tool

The benchmark tool has been designed to help UK based small and medium sized businesses (SMEs) assess the typical energy use in their sector.

Carbon Trust

Biomass decision support tool

The biomass system decision support tool will help you assess the most cost effective size and integration approach for a biomass heating system at a particular site based on the site's heating requirements and spatial considerations.

Carbon Trust

SME Carbon Footprint Calculator

The Carbon Footprint Calculator has been designed to help UK based SMEs measure their corporate emission footprint following GHG Protocol Guidance, including direct emissions from fuel and processes (Scope 1 emissions) and those emissions from purchased electricity (or Scope 2 emissions) for the assets they operate.

Carbon Trust

Lighting business case tool

The Lighting Business Case Tool has been designed to help UK based SMEs assess the potential for investing in more energy efficient solutions.

Carbon Trust

Fleet upgrade tool

Helps UK based small businesses manage and report their company 's energy consumption and carbon emissions, and assess the opportunities available for upgrading their (leased) vehicle fleet.

Centre for Sustainable Energy

Affordable warmth & health impact evaluation toolkit

The aim of this toolkit is to make evaluation of the health and wellbeing impacts of affordable warmth schemes easier and more effective

This article has files attached. Download from the files box on the right hand side of the page

Tool

Strategic Outline Case (SOC) Generic Project Template

The purpose of this document is to provide a template for a council to draft a Strategic Outline Case (SOC). This template is based upon the HM Treasury Green Book Five Case Model and seeks to follow and build upon the Better Business Cases Guidance.

It aims to provide a framework for structured 'thinking' and assurance so that a project:

- provides strategic fit and is supported by a compelling case for change;
- will maximise public value;
- is commercially viable and attractive to the supply side;
- is affordable and fundable over time; and
- can be delivered successfully by the organisation and its partners.

The purpose of the SOC is to establish the case for change and to provide a preferred way forward for senior management's approval prior to going onto the more detailed planning stage. Completing the SOC includes:

- making the case for change;
- agreeing the strategic context;
- determining the objectives, existing arrangements and business needs;
- determining the potential scope of the project;
- determining the project benefits, risks, constraints and dependencies;
- exploring the preferred way forward;
- agreeing the critical success factors (CSFs);
- determining and appraising the long list options;
- recommending a preferred way forward; and

Develop Business Case (Strategic Outline Case) | template

LOCAL PARTNERSHIPS

Provided by Local Partnerships

Links

Based on: The Green Book (2022) - GOV.UK (www.gov.uk)
SOC Generic Local Energy_WITH GUIDANCE v1.0
Download docx (0.3 MB)

This article has files attached. Download from the files box on the right hand side of the page

Tool

Decision Making Doughnut

This self-assessment framework has been developed following the theory of Doughnut Economics. Doughnut Economics takes into account the social and ecological impact of human activities while developing strategic aims or projects or programmes.

In answering the questions included in each subsection, the user will need to engage with internal stakeholders spread across their organisation, stimulating a discussion on the social and environmental impact of a specific project.

As an outcome, the user will be able to communicate to internal and external stakeholders the social and ecological benefits of the project, as well as its risks.

CATAPULT Energy Systems

We work with Innovate UK

Decision-making for net zero

Define Requirements and outcomes | Stage 0: Strategic Definition | Organisations, Actors And Decisions | Decision Making

NET ZERO GO

Provided by Net Zero Go

Links

NZG Decision-making tool
Download xlsx (4.3 MB)

Was this article helpful? 1 0

Recommended Articles

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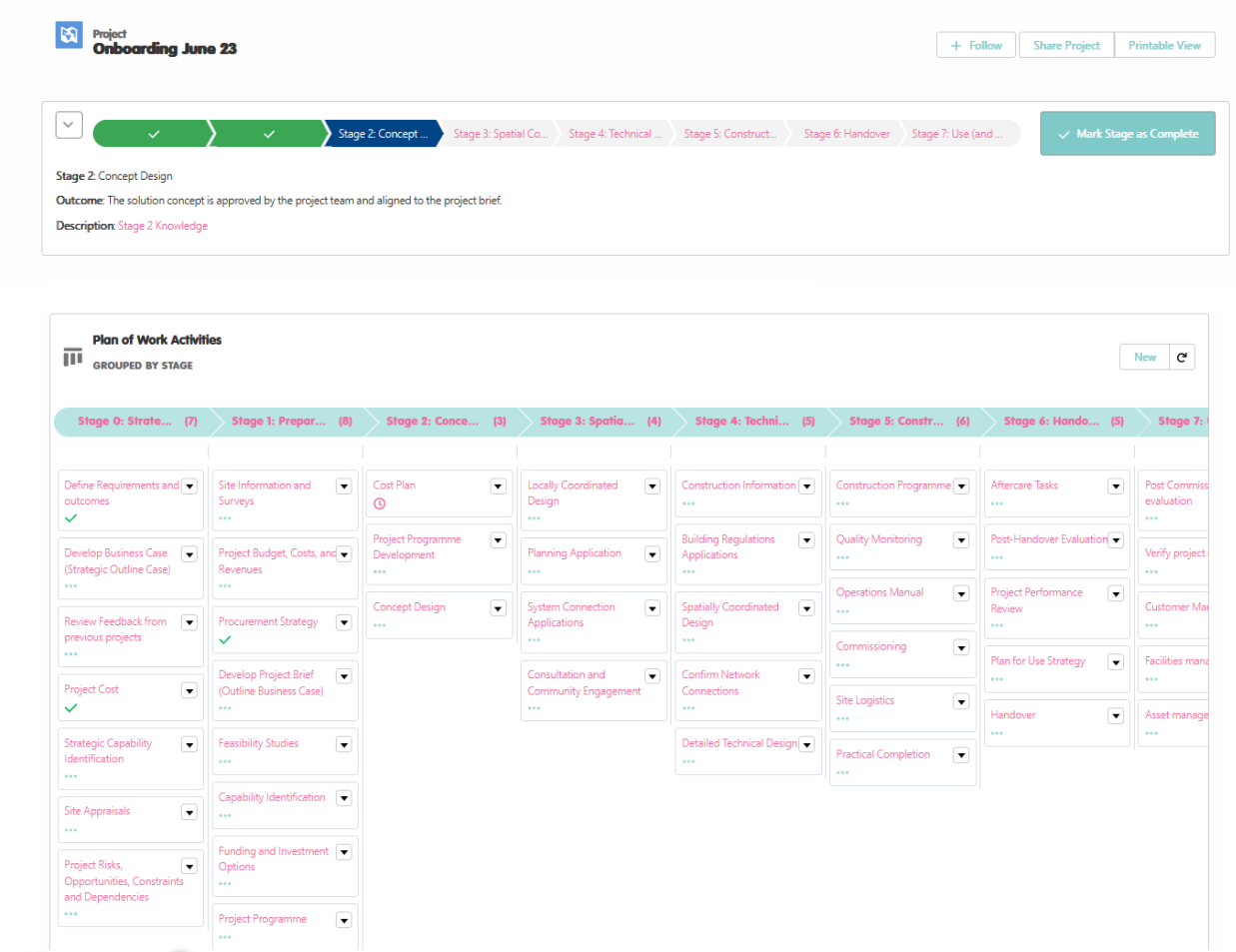
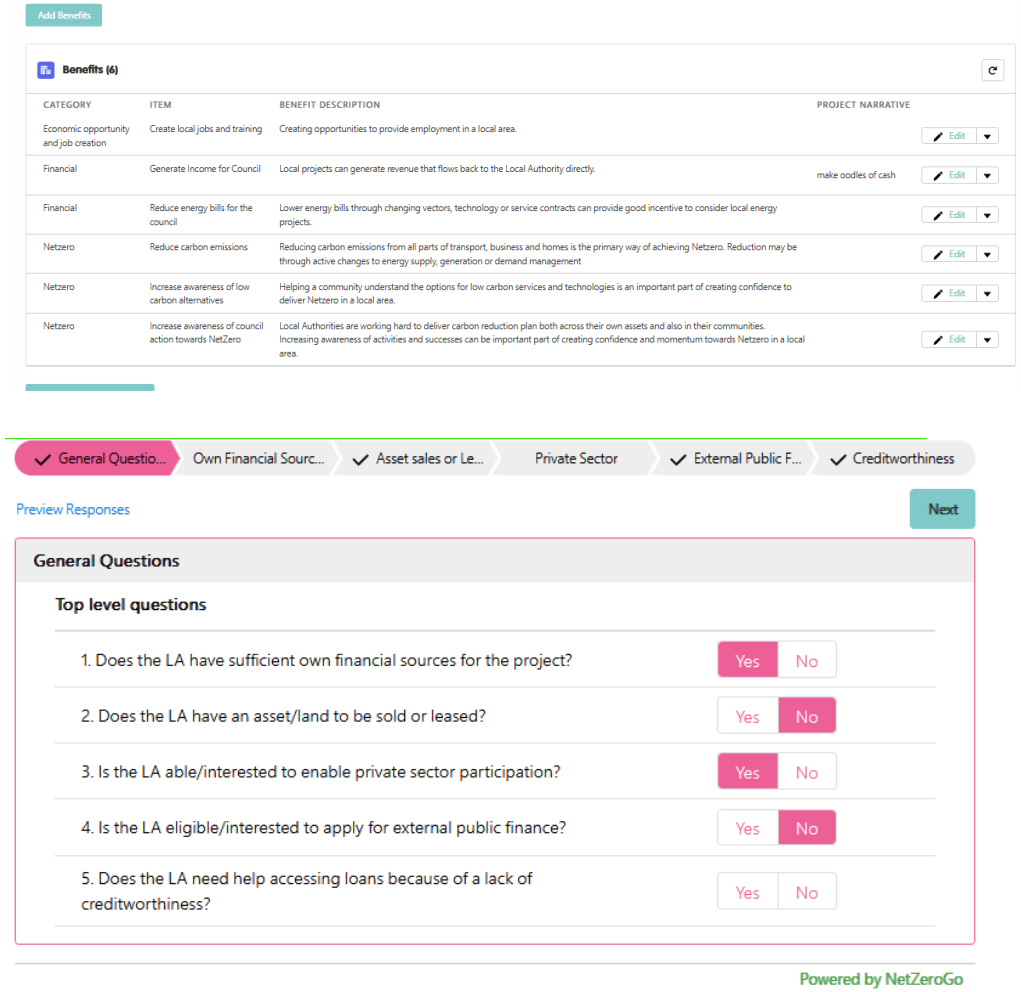
Net Zero Go Projects – Robust Workflow and Activities

Create projects to access workflows, capture information and use tools that support your current projects





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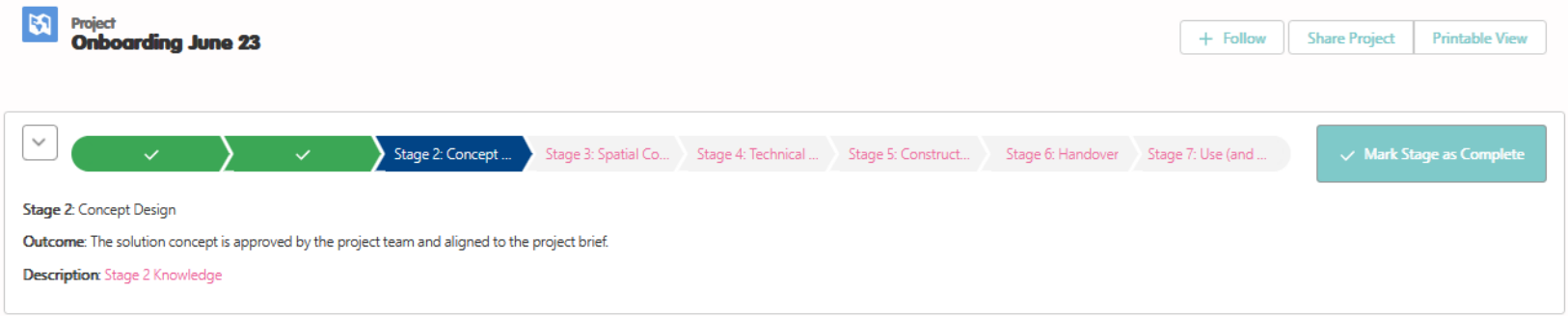
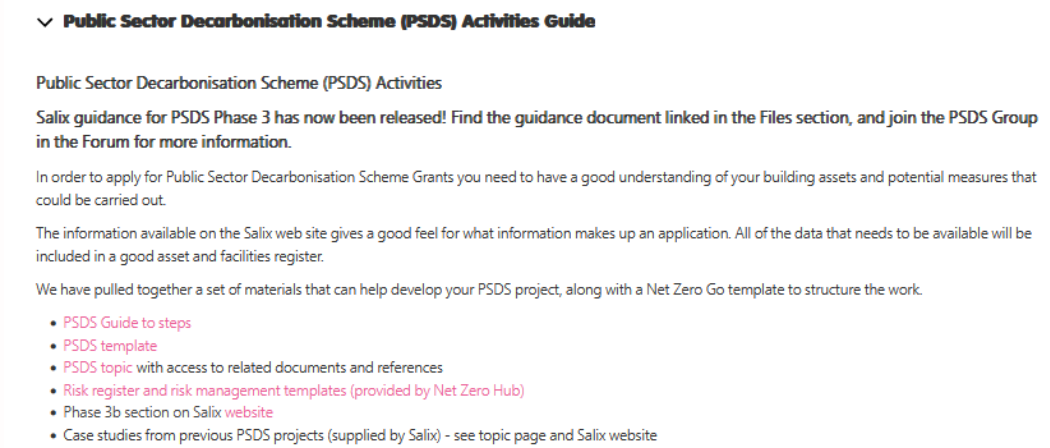
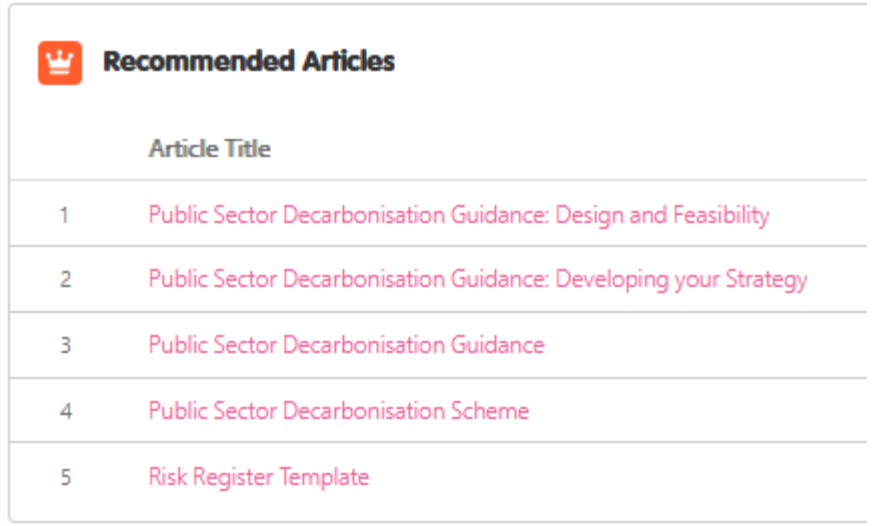
Net Zero Go Projects – Tools and Templates

Use projects to find useful tools, knowledge and evidence







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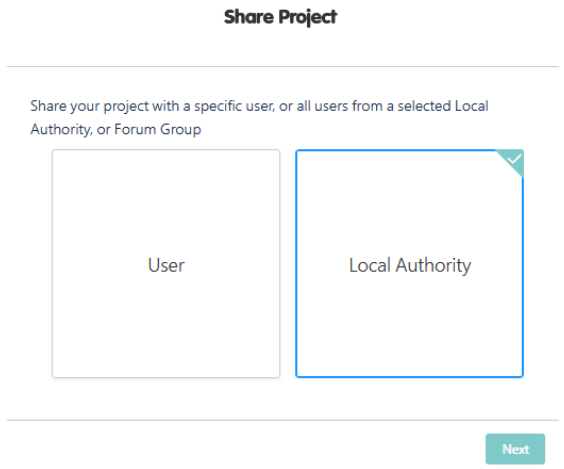
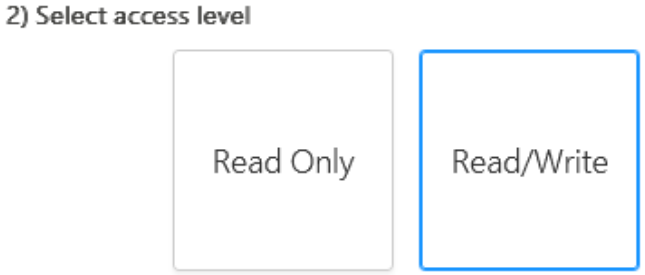
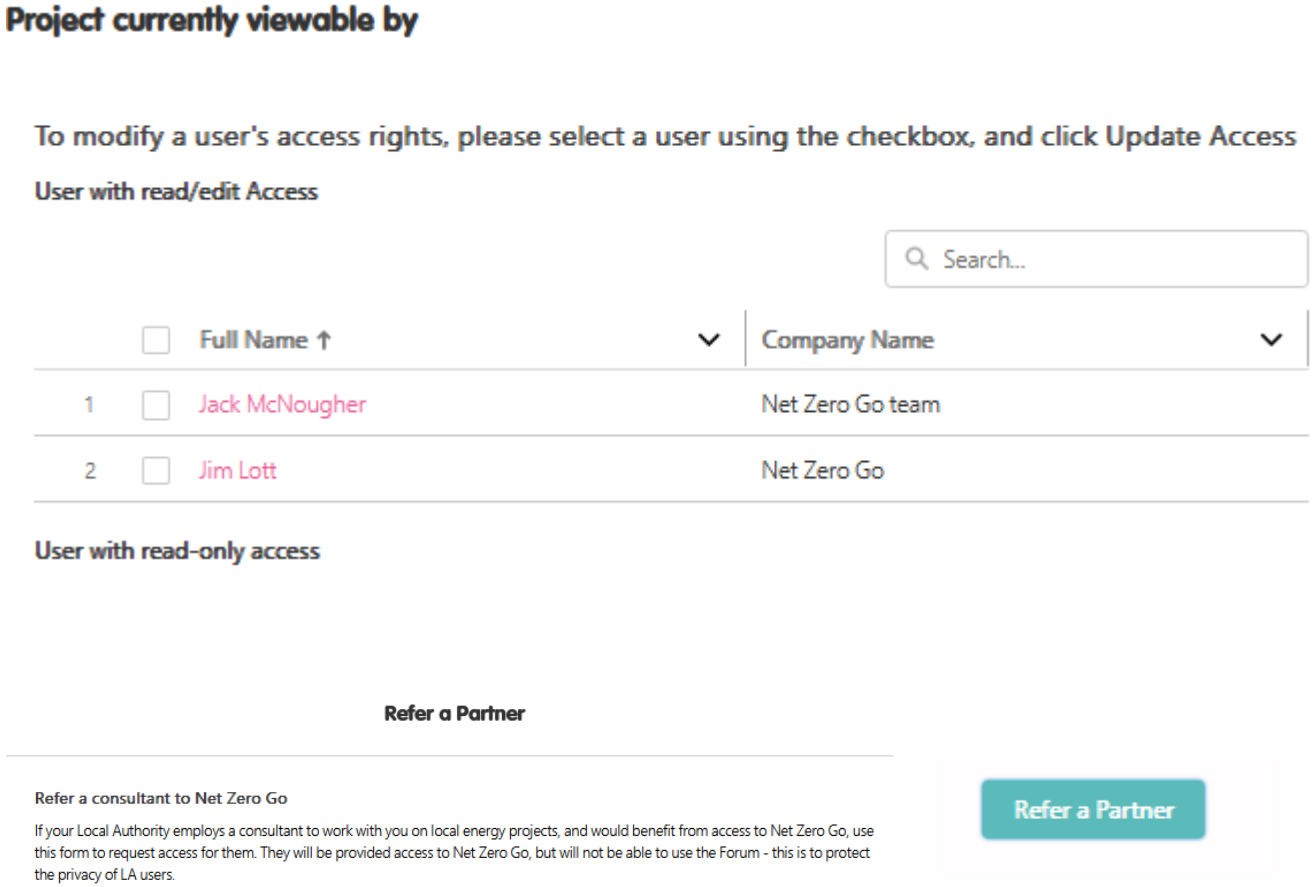
Net Zero Go Projects – Collaborate

Securely share project information with colleagues: including your consultants







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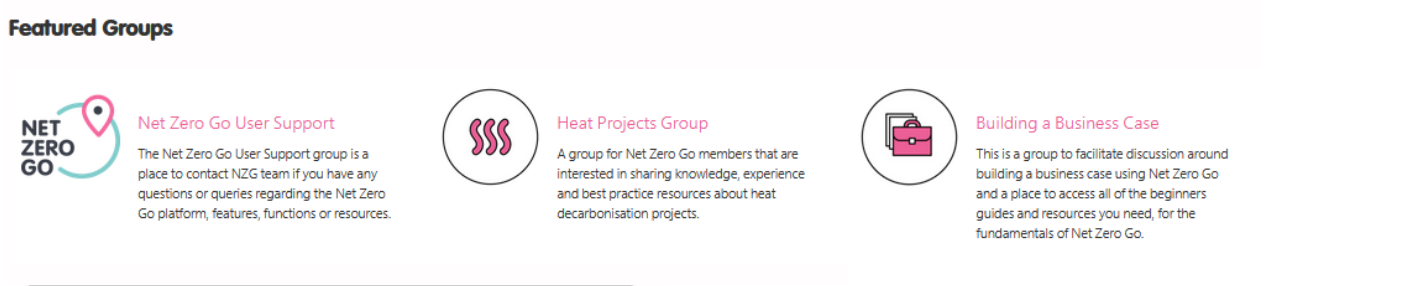
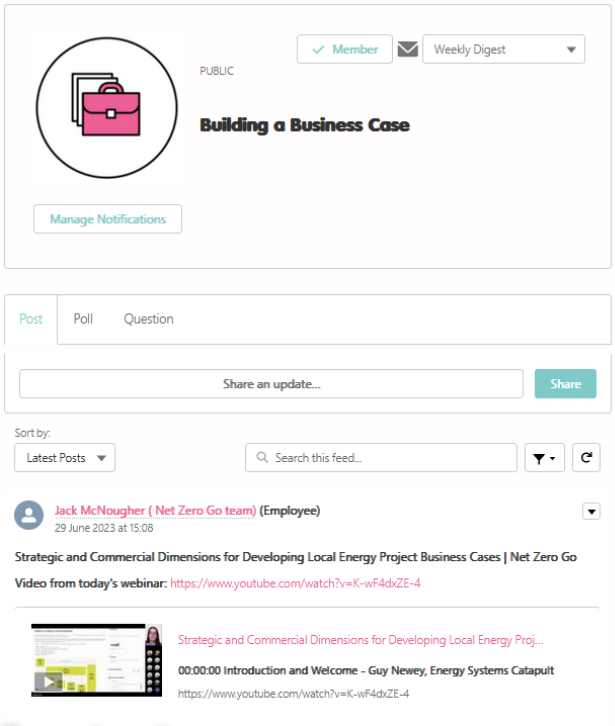
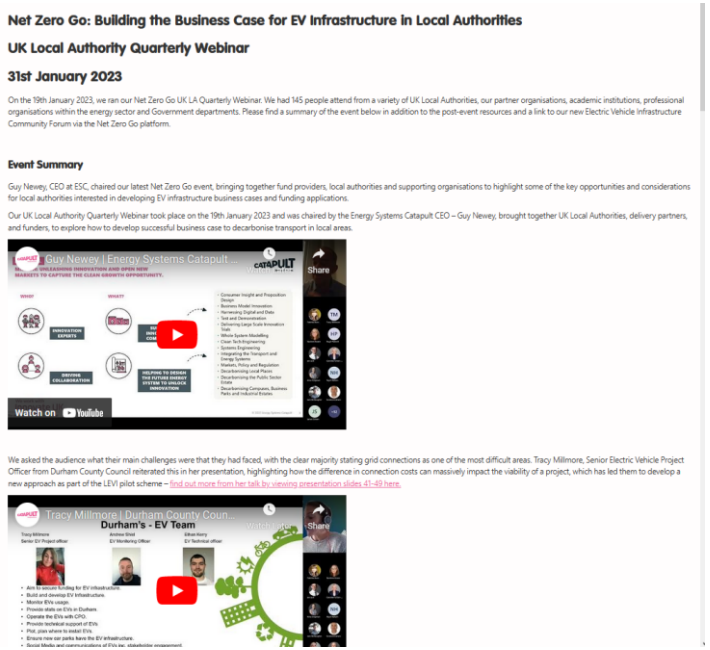
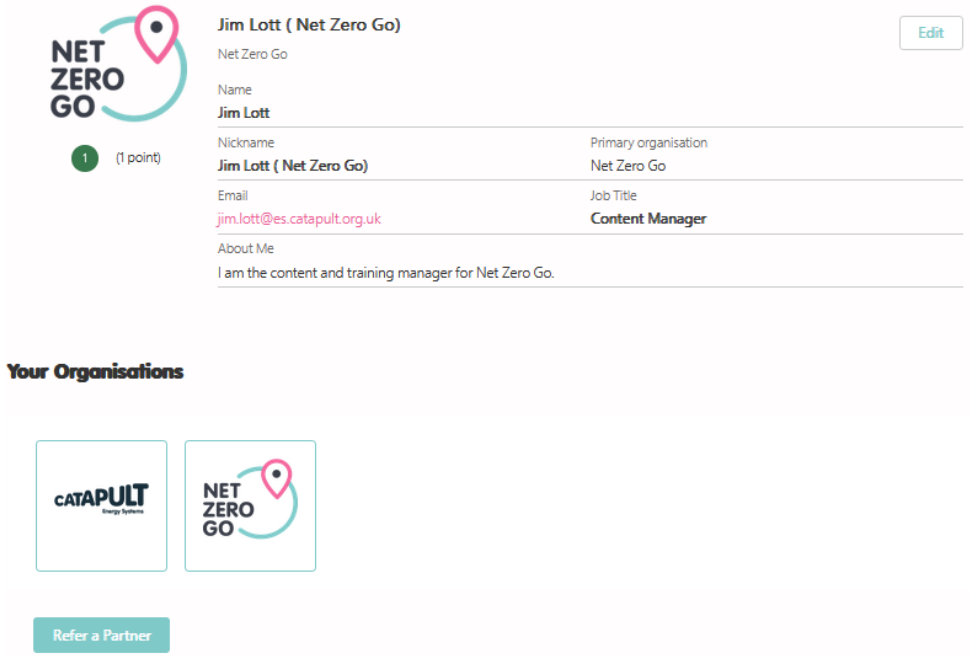
Net Zero Go Support – Forums, events and expert sessions

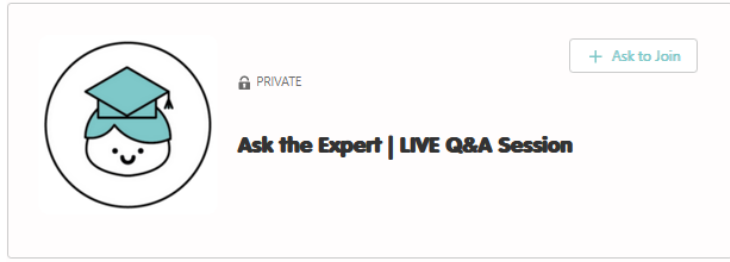
Share your experiences, ask questions and find out who else is on your journey











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Relevant Activities & Materials

Repurposing of Land for Renewable Projects

- https://www.netzerogo.org.uk/s/nzg-guide/a1ENz00000075uDMAQ/land-use-change-for-renewable-energy-projects

Unlocking Clean Energy for Greater Manchester

- https://www.netzerogo.org.uk/s/article/UCEGM-Detailed-Design-of-Short-Term-Renewable-Generation-Business-Models
- https://www.netzerogo.org.uk/s/article/UCEGM-solar-model
- https://www.netzerogo.org.uk/s/article/UCEGM-Financing-Options-Report

Business Models for Renewable Energy Projects (sharing session 28th Nov 9am online)

- https://www.netzerogo.org.uk/s/cms-event/net-zero-go-sharing-session-business-models-for-renewable-energy-projects-28th-n-MCXMWKIOSZQFAUJGTU2QKX3KD5R4

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