



## **WHO WE ARE**

# How it all fits together

The SSE Group

Valuable mix of related businesses focused on low-carbon electricity

... with a commercial corporate centre which adds value







## THE CASE FOR CHANGE

- Customers demand more value and data
- The regulator demands better performance and efficiency
- Shareholders want return on investment

Customer expectations



- Integrating distributed generation
- New assets will be technologically different
- Coping with technological change
- Model impact of climate resilience

Changing network



- Net Zero targets drive electrification
- Customer technology changes (data centres, EV chargers, smart meters, heat pumps)
- Constraint impacts for new connections

Increasing demand



- Concurrent review of work systems and processes
- Scanning across the utilities for best practice
- Undertaken proof-ofconcept optimisation

Push for digitalisation



The solution isn't going to be another spreadsheet

## PROJECT OBJECTIVES







#### **Overall Aim**

#### Enhance current investment optimisation capabilities for SSEN Distribution

Transitioning from manual output-based process to using a mathematical optimiser, with multi-capital value appraisal of investments.

#### Objectives of project scope

Implement an investment optimisation solution within 7 months that generates additional value for the ED2 portfolio either through:

- reduced cost to achieve the same outputs and/or outcomes; or
- increases the value of the portfolio for the same cost input.

Upskill SSEN planners and leaders in use of the investment optimiser and new business processes,

so that...

the ED3 business plan can be built self-sufficiently, without the need for third-party support to use the solution itself.

Identify a future processes, changes required, and the roadmap to embed value-based decision-making and the optimiser into BAU.

This includes, for example, updates to the current SSEN Distribution Governance Investment Framework.

### PROJECT TIMELINE

The Investment Optimiser will be run as an agile project, with two-week sprints and monthly steering group updates. Wider stakeholder engagement with Directors and senior leaders are planned, plus a showcase event for the MVP outcomes.

Jan 2025 Feb 2025 Mar 2025 Apr 2025 May 2025 Jun 2025 Jul 2025

## Delivery of MVP (Minimum viable product)

**Key deliverable: Demonstrate investment optimisation for load and non-load drivers** 

The MVP will demonstrate base investment optimisation functionality and configuration of the value framework for NARM and load capacity released.

#### Full implementation

Key deliverable: Investment optimisation analysis that generates additional value for the ED2 portfolio

We will strive to increase the value outcomes for the remainder of ED2, followed closely by ED3 planning.



#### ANSWERING THE EXAM QUESTIONS IN MVP

• The MVP scope focuses on the first two exam questions and allows SSEN to experience investment optimisation capability. These two scenarios were chosen as they are achievable within the 12 weeks, apply a focus on critical value drivers, and give an opportunity to test a wide variety of functionality in the system.

## Maximise Value (Monetised Risk Reduction) w/ funding constraint (CV7a & CV9):

What are optimal NARM asset volumes to replace to maximise risk reduction, or how much less I can spend to achieve same target.

#### Maximise Value (Capacity Released) w/ resource constraint (CV2):

If I needed to give/take resource from Load drivers to asset replacement, which projects would I stop/add and what's MVA benefit.

