

# Hampshire County Council Kick off meeting

Energy Infrastructure Gap and Opportunities Analysis

8<sup>th</sup> January 2026

# Agenda

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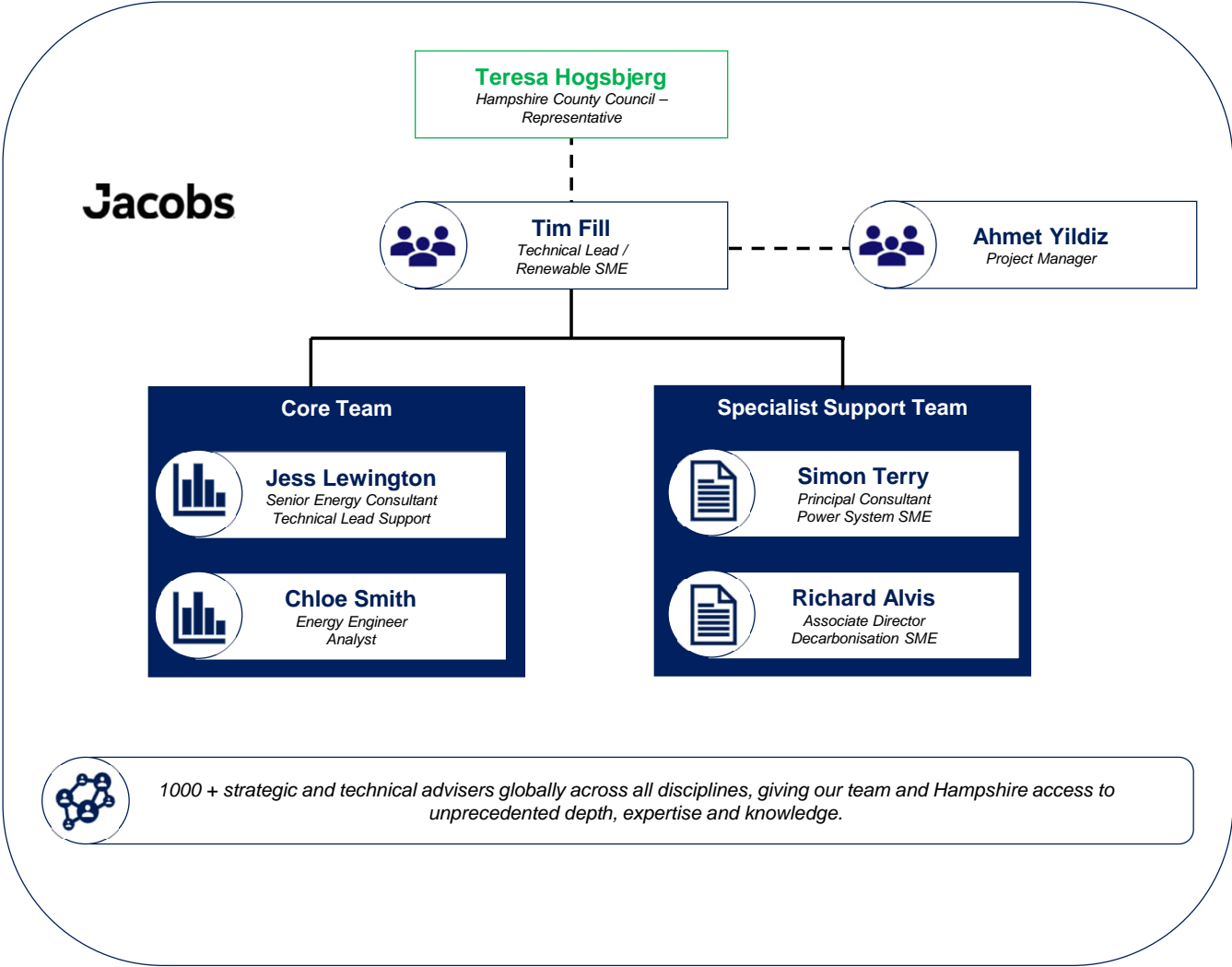
- Introductions
- Project Aim/Objectives
- Organogram
- Programme
- Methodology & Deliverables
- Meetings/Workshops
- Client expectation feedback
- AOB

## Meeting Outcomes

- Confirm objectives of the project, the methodology and deliverables
- Confirm RFI data
- Confirm stakeholders for meetings
- Confirm bi-weekly meeting
- Timeframes to review for the final report

# Organisation Chart

**Jacobs**



1000 + strategic and technical advisers globally across all disciplines, giving our team and Hampshire access to unprecedented depth, expertise and knowledge.

# The Project Aim

- To address a critical regional challenge:
  - *The limitations of existing electricity network infrastructure to facilitate regional economic growth alongside the transition to a low-carbon future.*
- Factors increasing demand:
  - Population growth
  - AI revolution
  - Increased electrification of more of our economy

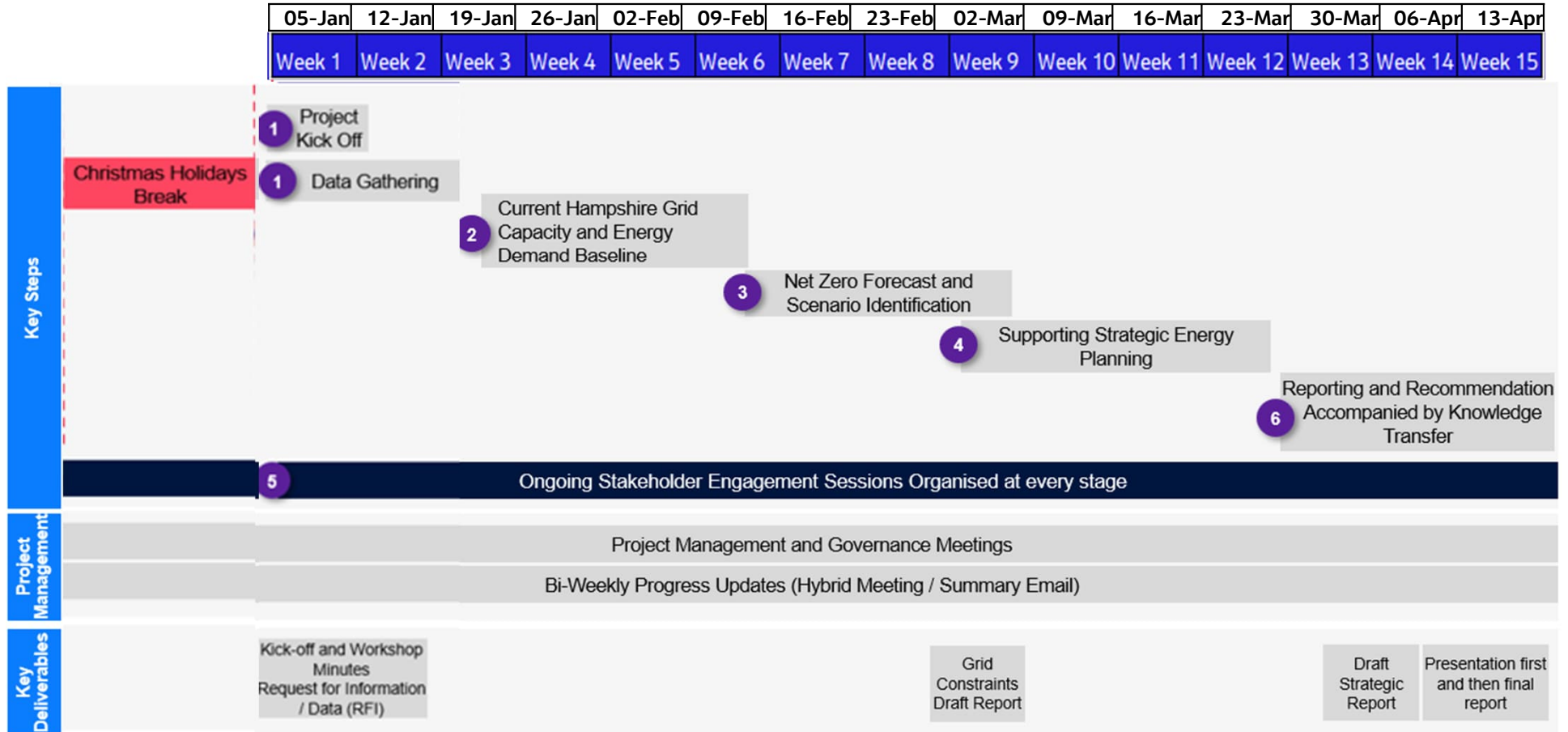


Hampshire  
County Council

# The Objectives

1. Gain a **holistic understanding** of Hampshire's **current energy baseline and infrastructure**.
2. **Assess constraints on the network** against **forecasted energy scenarios** and identifying key mitigation interventions for County Council / Local Authority officers.
3. **Forecasting energy demand**, evaluate grid capacity **constraints**, and assessing the region's **renewable energy potential**.
4. **Provide Strategic Recommendations** to support better planning for development, transport, and renewable energy.
5. **Stakeholder Collaboration**: engage where possible with network operators by actively involving in the review process to promote alignment and mutual understanding.
6. **Capacity Building**: Provide Local Authorities and officers with the knowledge and resources necessary to champion and implement impactful energy strategies.

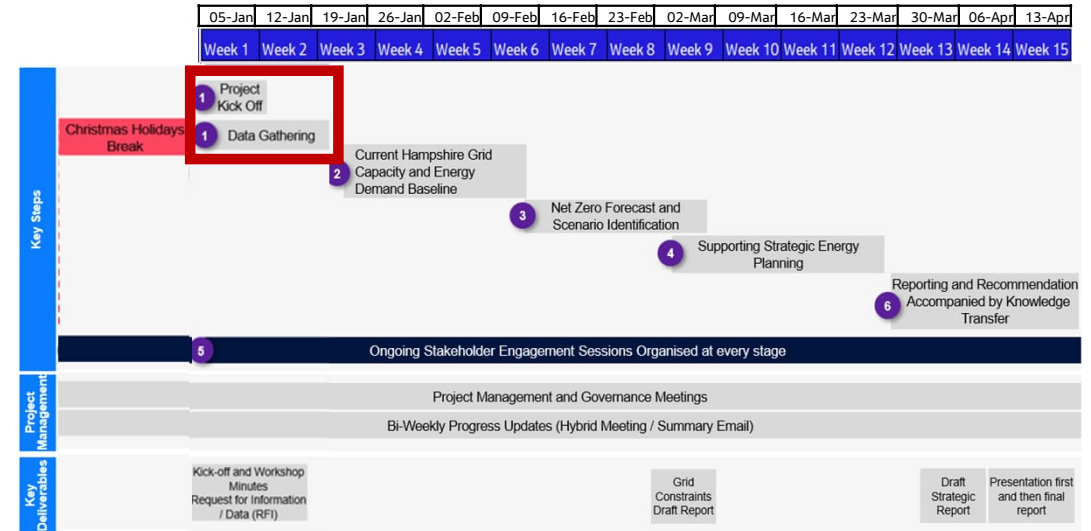
# Programme – Amended



# Methodology – Phase 1: RFI

**Request for Information (RFI) Issue 1 sent 06/01/26 to identify and gather all relevant existing datasets:**

- Previous grid infrastructure condition reports,
- Energy demand data,
- Renewable resource maps,
- Future demand: development plans for large energy users,
- Spatial planning documents,
- Areas of interest to focus network constraint review.

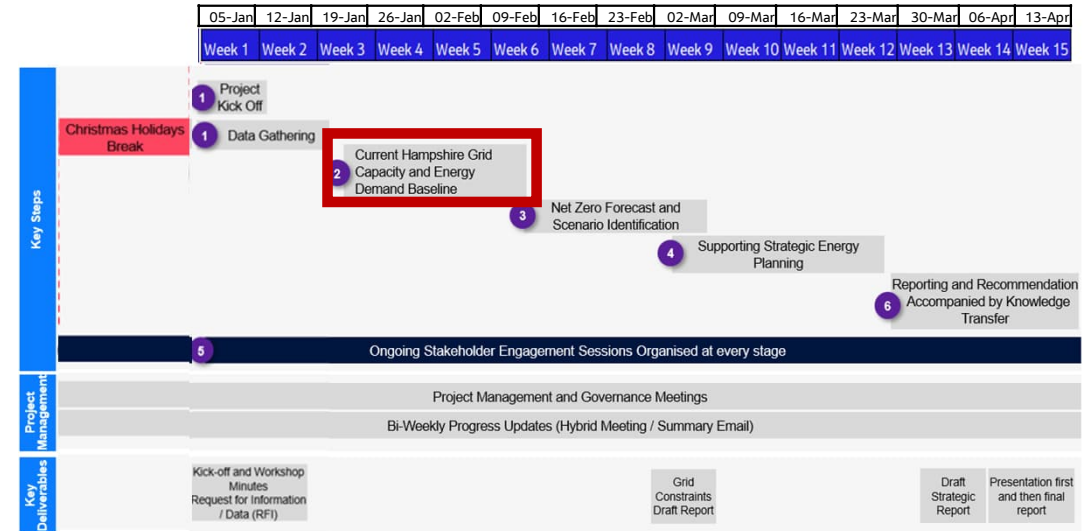


Where data is not available Jacobs will use industry standard benchmarks.

**Pinpoint data gaps that may require new research or engagement**

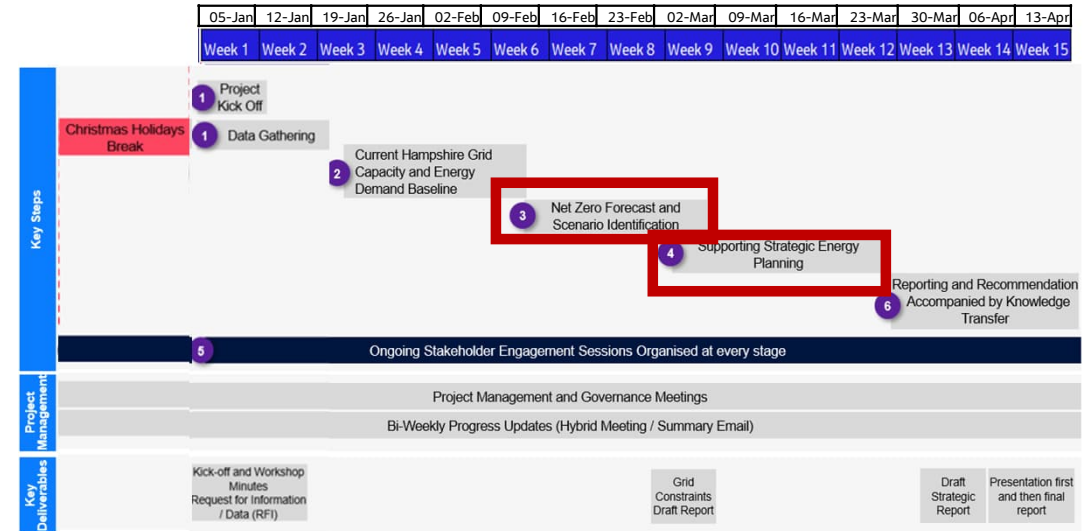
# Methodology – Phase 2

- Review published information from NESO, NGET and SSEN to understand the network in the region, its constraints and the planned infrastructure upgrades.
  - NESO - The latest Electricity Ten Year Statement and the Beyond 2030 report.
  - NGET – Infrastructure Project details and RIIO T3 business plan information.
  - SSEN – The latest Long Term Development Statement, Network Development Plan documents, Engineering Justification Papers, etc.
- This information will provide us with a picture of the **available network headroom and most critical constraints for the region** and the timescales for any planned upgrades, focused on the 132kV and 400kV networks.
- Summary information on Primary Substation demands and headroom will also be provided using the **SSEN headroom report**.



# Methodology – Phase 3 & 4

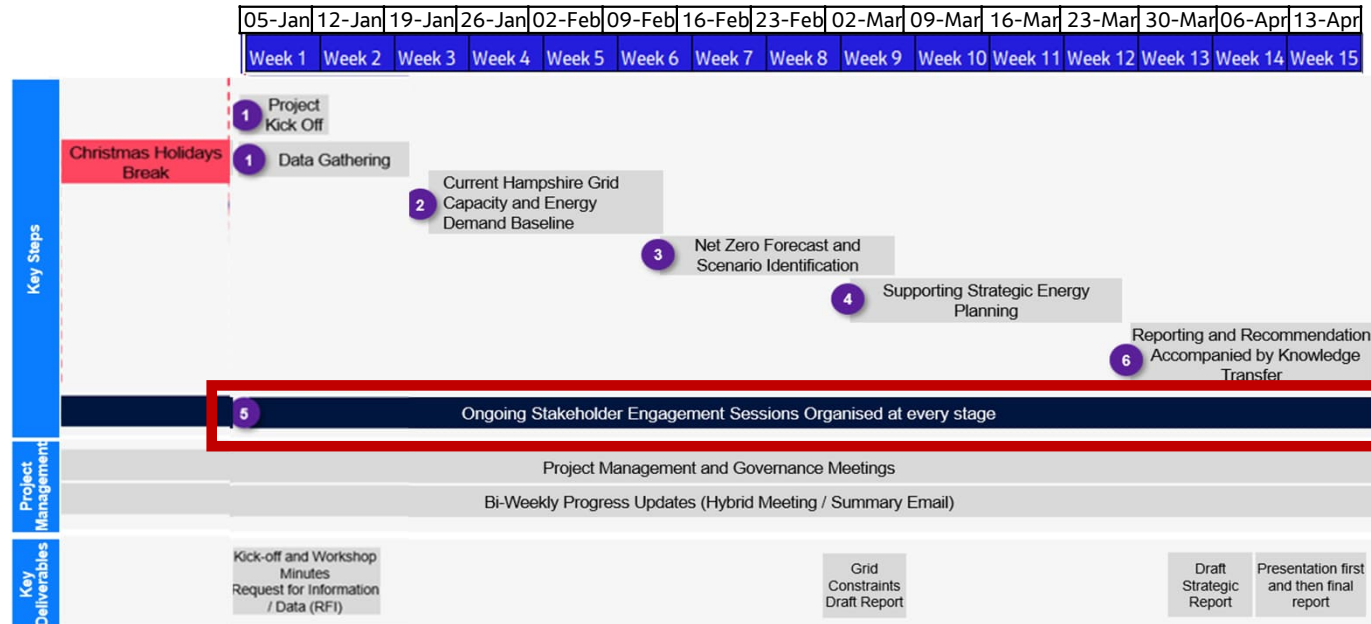
- Phase 3: forecast future energy demand and evaluate how much of it can be met through existing infrastructure.
  - Detailed assessment of Hampshire’s renewable energy potential, identifying where grid limitations may hinder deployment and progress toward net zero.



- Phase 4: Enabling strategic energy planning. High-level analysis to understand how current grid constrains intersect with projected energy demand and development.
  - Pinpoint key areas of impact and identify practical solutions to support the region’s growing electricity needs and renewable energy ambitions.
  - Identify key solutions and recommendations to enable better planning for development, transport, and renewable energy deployment.
  - Alignment of national reforms and opportunities will be identified to make sure Hampshire is positioned to benefit from national energy reforms.

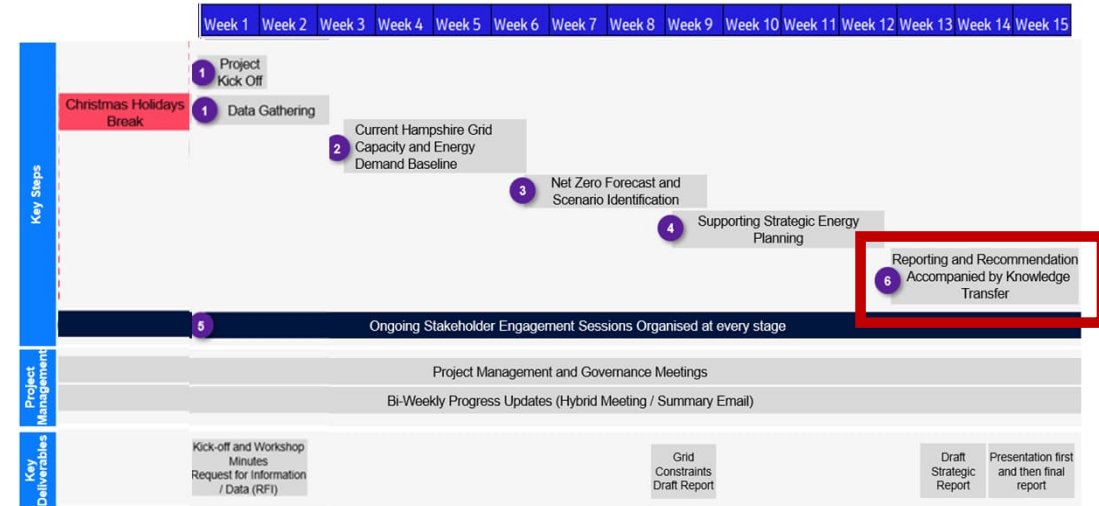
# Methodology – Phase 5: Stakeholder Engagement

- Discuss the implications of grid constraints, renewable energy potential, and future demand scenarios, to **receive feedback from stakeholders on our findings and involve them in our intervention development process.**
- Final Presentation + 3 virtual stakeholder workshops
- We recommended stakeholder engagement focusses on **existing relationships** the County Council has already developed



# Methodology – Phase 6

- Consolidate all findings, insights, and stakeholder input into a final report detailing key interventions.
- To ensure long-term impact, the project will also deliver a **knowledge transfer session** in the **final workshop** designed to equip local authorities with the knowledge and tools to advocate for and implement energy solutions effectively.
- Actionable and embedded recommendations within local decision-making processes.



# Deliverables

## 1. Future State of Power and Renewable Deployment Draft Report:

- Incl. 3 case studies to illustrate how the electricity network capacity and constraints affect demand and generation connections in the county
- Demand pathways, showing the possible range in the increase of electricity demand based on 4 likely scenarios.
- Mapping of key renewable deployment potential.
  - End of Phase 3 - Week 8/9

## 2. Strategic Recommendations Draft Report:

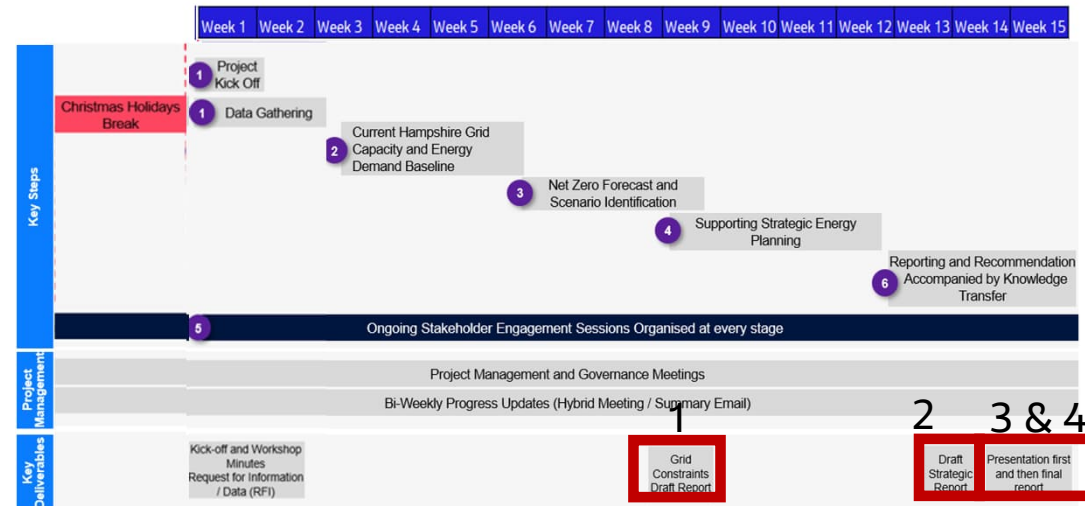
- Follow on from the first deliverable and will detail our final recommendations from our study.
  - Start of Phase 6: Week 13/14

## 3. Presentation/Workshop

- Phase 6: Week 14/15

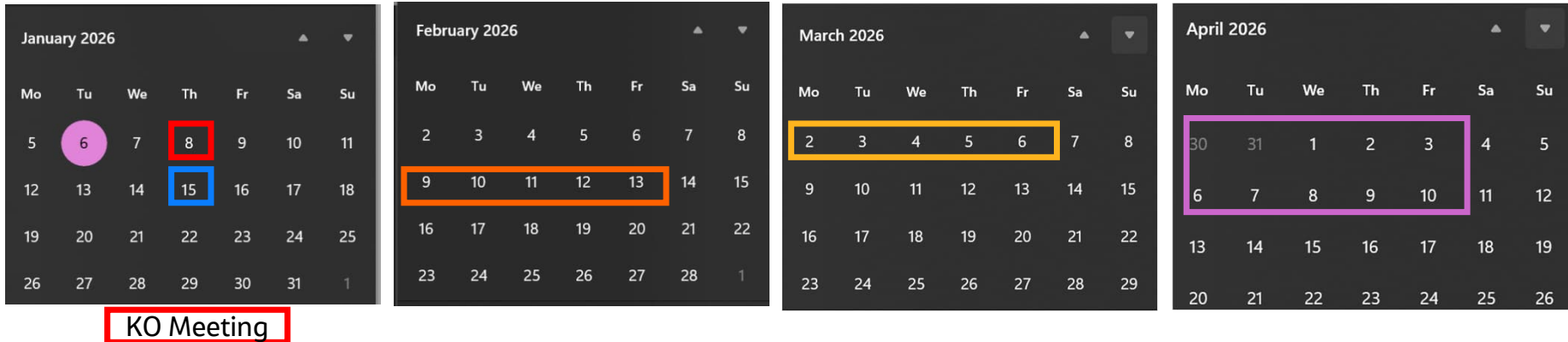
## 4. Final Strategic Recommendations Report

- End of Phase 6: Week 14/15



# Meetings

- Data request workshop – 1 hour (early/mid-Jan)
- Stakeholder Engagement Session 1 – up to 2 hours (mid-February)
- Stakeholder Engagement Session 2 – up to 2 hours (early March)
- Final workshop – virtual 2 hours (week 14 – early April)
- Bi-weekly meetings – 0.5hr (**dates TBC**)



# Client Expectation Questions

- Questions include:
- Scope/Project Planning/Development Topics
- Technical Services/Quality Topics
- Financial/Accounting Topics
- Confidentiality Topics
- General expectations

## KO Meeting outcomes

- Confirm objectives of the project, methodology and deliverables
- Confirm delivery of RFI data
- Confirm stakeholders for meetings
- Confirm bi-weekly meeting - day and time
- Timeframes for the studies
- Client Expectation Feedback

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