



CITY SCIENCE

delivering decarbonisation

**RHAGLEN LEAP
RHANBARTH DE
ORLLEWIN CYMRU**

**SW WALES REGION
LAEP PROGRAMME**

Diweddariad

Update

02/2024

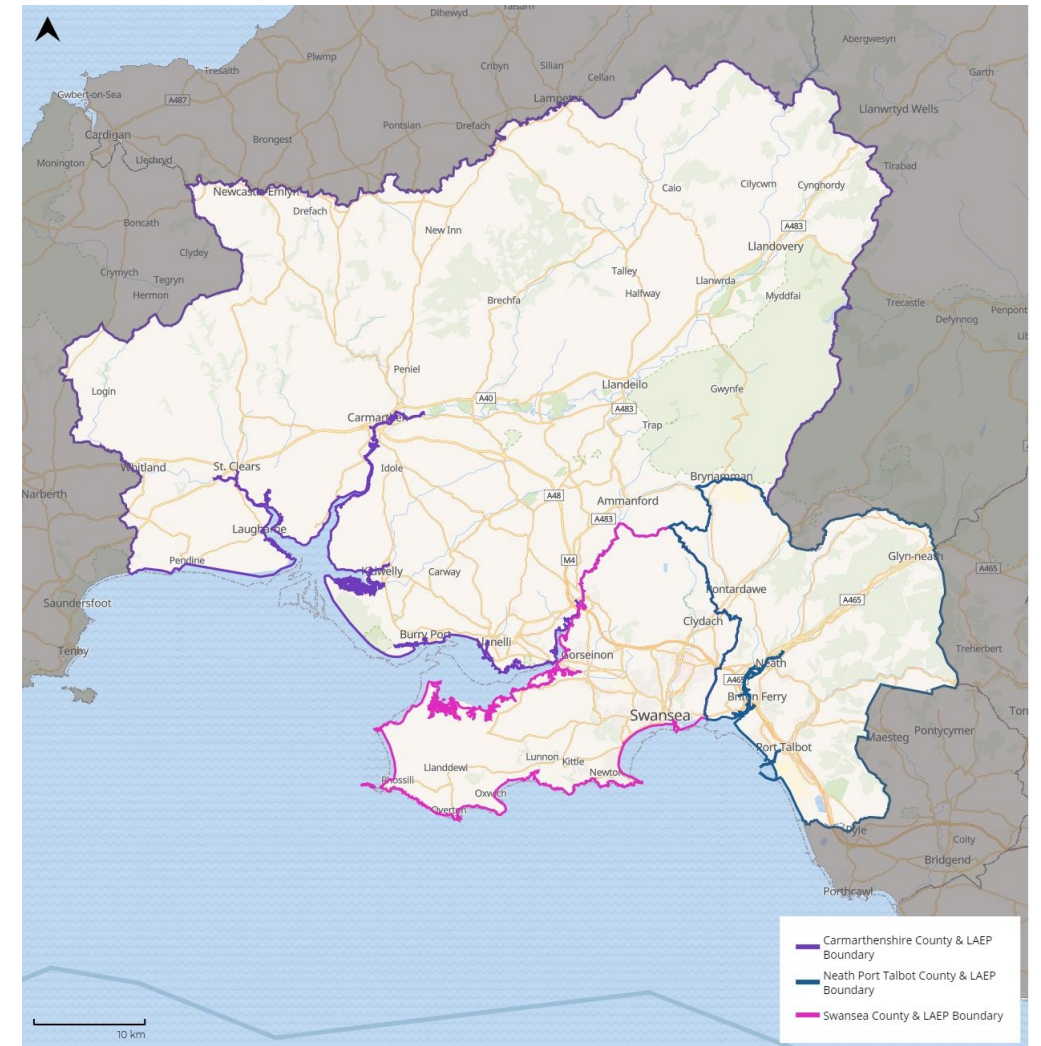
TROSOLWG O'R RHAGLEN / PROGRAMME OVERVIEW

SW WALES LAEP PROGRAMME

City Science is producing three LAEPs for SW Wales – Carmarthenshire, Neath Port Talbot and Swansea. Although produced separately and tailored to the local landscape, we will ensure that the three LAEPs are aligned regionally and are consistent.

Local Area Energy Planning is a detailed, comprehensive process designed to identify the most effective pathway(s) to decarbonising the local energy system, and set out and agree a Local Area Energy Plan (LAEP) suitable for implementation. Local Area Energy Planning is a whole-system, evidence-based process, led by Local Government and developed collaboratively with defined stakeholders.

The LAEP projects started in February 2023 and run until March 2024.



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REGIONAL ALIGNMENT

- Regional Directors' Group (which reports into CJC) is the regional steering group for LAEP sign off.
- Whilst plans are local, they have been developed using regional collaboration and themes aligned with the four regional energy strategies. Stakeholder workshops have been arranged on a thematic and regional basis to ensure collaboration and a regional approach to development, whilst still maintaining a local focus.
- Whilst many of the scenarios and levers are local, a large number are regional (skills, transport, housing, infrastructure) and so we have ensured the LAEPs remain connected and transparent with regional governance structures.
- Whilst CJC is not a governing body for LAEP process it is prudent given the stage in the process to include a very brief update on the progress to date and key next steps.
- Following the completion of the LAEPs there will be an exercise undertaken by the technical advisors to Welsh Government to align and consolidate the findings. This will then inform the further development and strategic direction of regional actions, and lead to the creation of a Wales-wide National Energy Plan.



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PROGRESS THROUGH THE STAGES OF THE LAEP

Stage 1: Held regional and local inception meetings and produced regional and local inception report.

Stage 2: We held Stakeholder Engagement Planning Workshops and produced the resulting Stakeholder Engagement Plans.

Stage 3: We completed a policy review, conducted local area interviews, consolidated and analysed baseline data, and produced Baseline Reports.

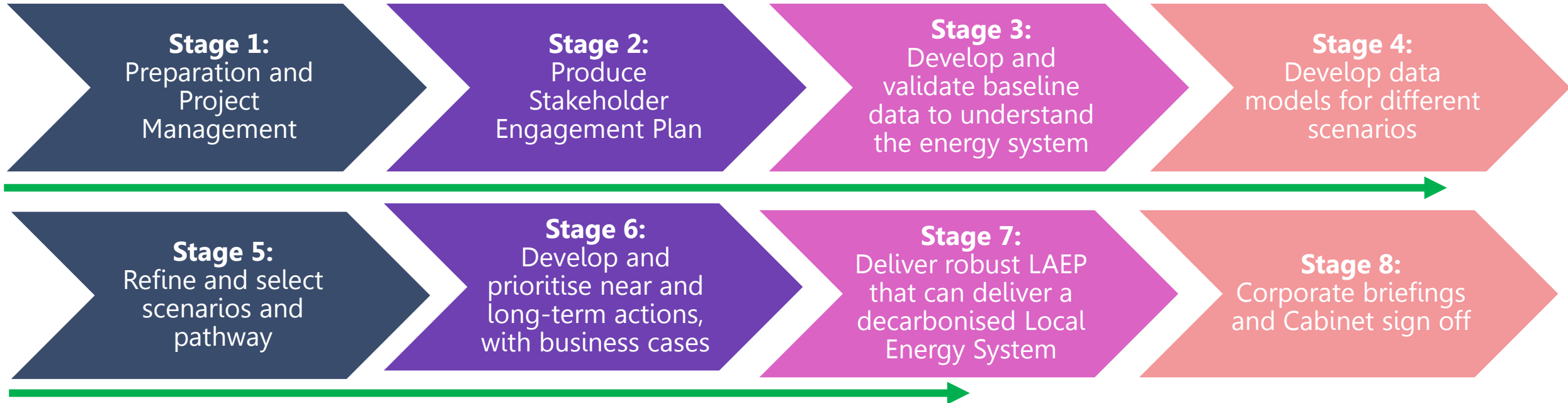
Stage 4: Held Scenarios and Modelling Approach Workshops, tailored the modelling and produced and presented the outputs of the modelling.

Stage 5: Held regional Wider Factors Workshops and refined the pathways.

Stage 6: Held Actions Workshops, Prioritisation Workshops, Focus Groups and developed actions

Stage 7: Produced draft LAEPs documents, which are currently being reviewed by the Councils, Welsh Government, Energy Service.

Stage 8: Corporate briefings and cabinet sign off.



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STAKEHOLDER ENGAGEMENTS

The LAEP process included 30 stakeholder engagements. This page and the next details the stakeholder engagements conducted at each LAEP project stage.

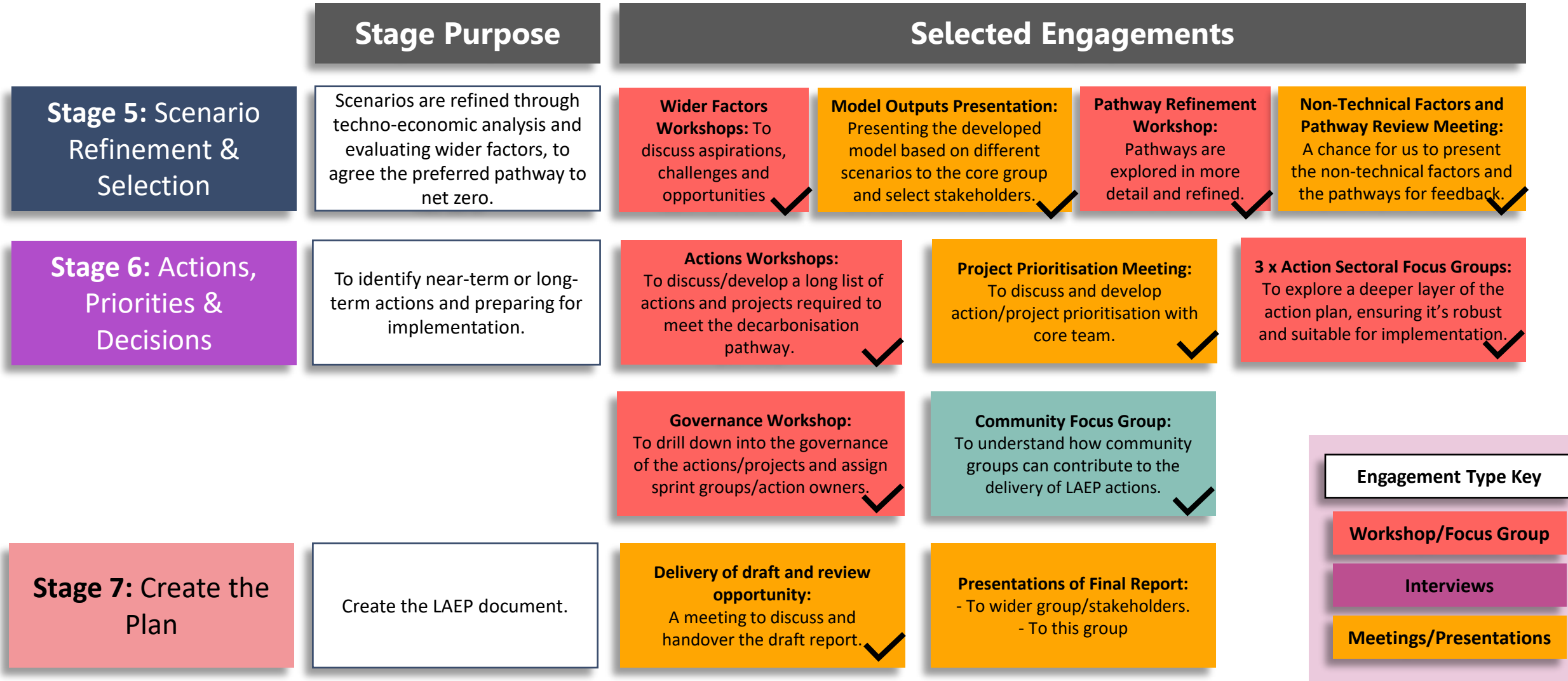
	Stage Purpose	Selected Engagements	
Stage 2: Stakeholder Engagement	Mapping of stakeholders and defining engagement activities.	Stakeholder Planning Workshop: A workshop to conduct stakeholder mapping and develop the Stakeholder Engagement Plan. ✓	
Stage 3: Representing the Local Area	Consolidate relevant data sources to develop a robust baseline model of the local energy system, validating outputs with stakeholders.	10 x 1:1 interviews with priority external stakeholders: To provide baseline information on available datasets and policy gaps. ✓	Stakeholder Baseline Review: A workshop to share the developed baseline with the core project team and key stakeholders. ✓
Stage 4: Modelling Options for the Future	Pull together data models for different scenarios that decarbonise the local areas.	Scenarios Workshop: To explore different potential futures scenarios and agree on the chosen scenarios. ✓	Modelling Approach Meeting: To refine and agree the modelling approach. ✓

Engagement Type Key

- Workshop/Focus Group
- Interviews
- Meetings/Presentations

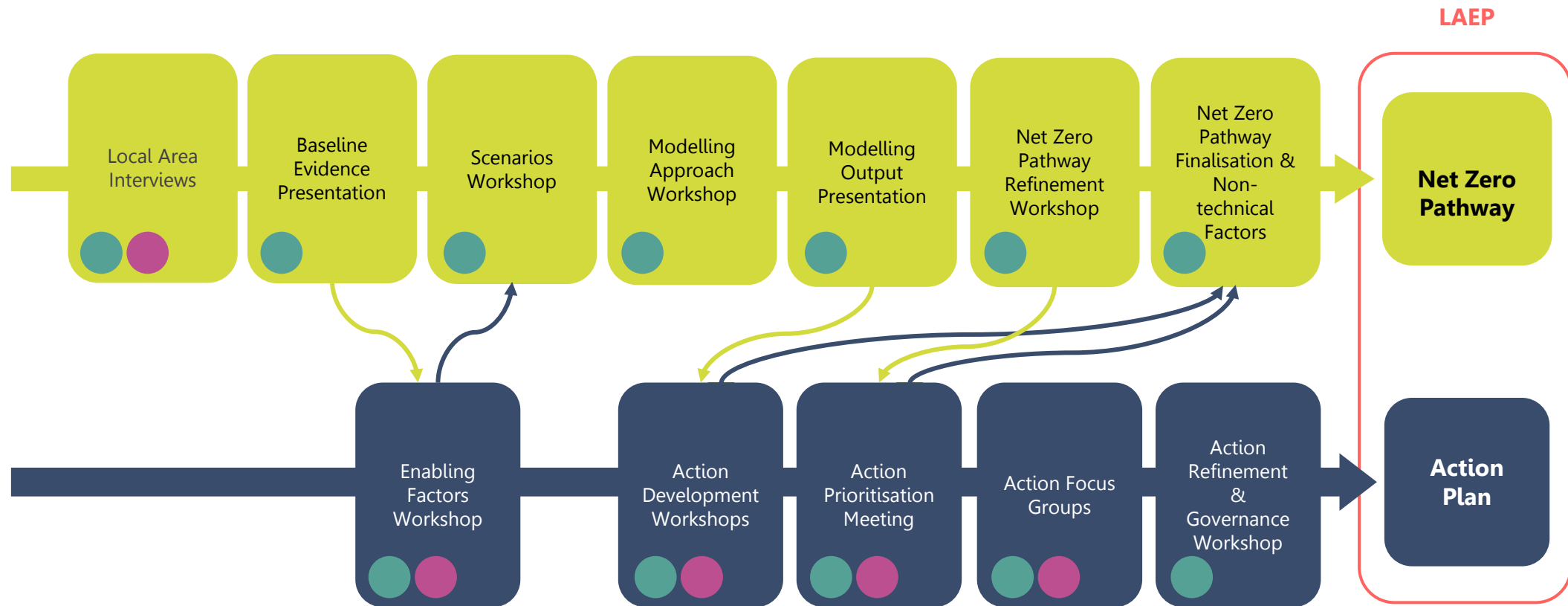
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STAKEHOLDER ENGAGEMENTS



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HOW ENGAGEMENTS FED INTO THE FINAL LAEPS



Key

- Key Project Stakeholders
- Wider Stakeholders
- Net Zero Pathway Development
- Action Plan Development

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INTRODUCTION TO THE DOCUMENT

Each Local Area Energy Plan consists of two documents:

Main LAEP Report

Technical Annex



(The front covers are placeholders)

Refer to the corresponding chapter in the Technical Annex if you require a more detailed insight into the methodology, assumptions data modelling and results of the LAEP.

3. LOCAL CONTEXT & ENERGY SYSTEM	➔	<p>3.1. Local Context & Energy System</p> <p>3.1.1. Local Context</p> <p>3.1.2. Energy System</p>
4. THE VISION	➔	<p>4. The Vision</p> <p>4.1. The Vision</p> <p>4.2. Net Zero Pathway</p>
5. INTERVENTIONS	➔	<p>5. Interventions</p> <p>5.1. Interventions</p> <p>5.2. Focus Zones</p>
6. ACTION PLAN	➔	<p>6. Action Plan</p> <p>6.1. Action Plan</p> <p>6.2. Action Plan</p>

Local Context & Energy System: Provides an overview of the local context from which this LAEP is being delivered. This includes geographic, demographic and socio-economic factors, and a robust understanding of the current energy system. This overview can be used as a benchmark against which progress towards net zero can be measured.

The Vision: Presents a comprehensive vision for Swansea's future energy system, outlining a Net Zero Pathway, which was used to inform and support the detailed action plan.

Interventions: Provides the potential interventions that can be applied across the energy system to reach net zero. It also identifies Focus Zones which are areas where an intervention is suitable on a large scale or could be prioritised.

Action Plan: Provides clear direction, channelling the broader focus on decarbonisation into a set of collective actions to guide Swansea toward the Net Zero Pathway targets.

Both reports follow the same narrative flow. Earlier chapters summarise the findings from the LAEP process, providing a comprehensive overview of the current energy system.

Later chapters consider multiple prospective future energy scenarios and the nature of the potential energy system changes required, ultimately providing potential actionable steps, with the primary goal of achieving net zero by 2050.

The intention of the main report is to serve as a dynamic resource, delivering technical insight in a format that is easily digestible. The Technical Annex provides more technical detail and context.

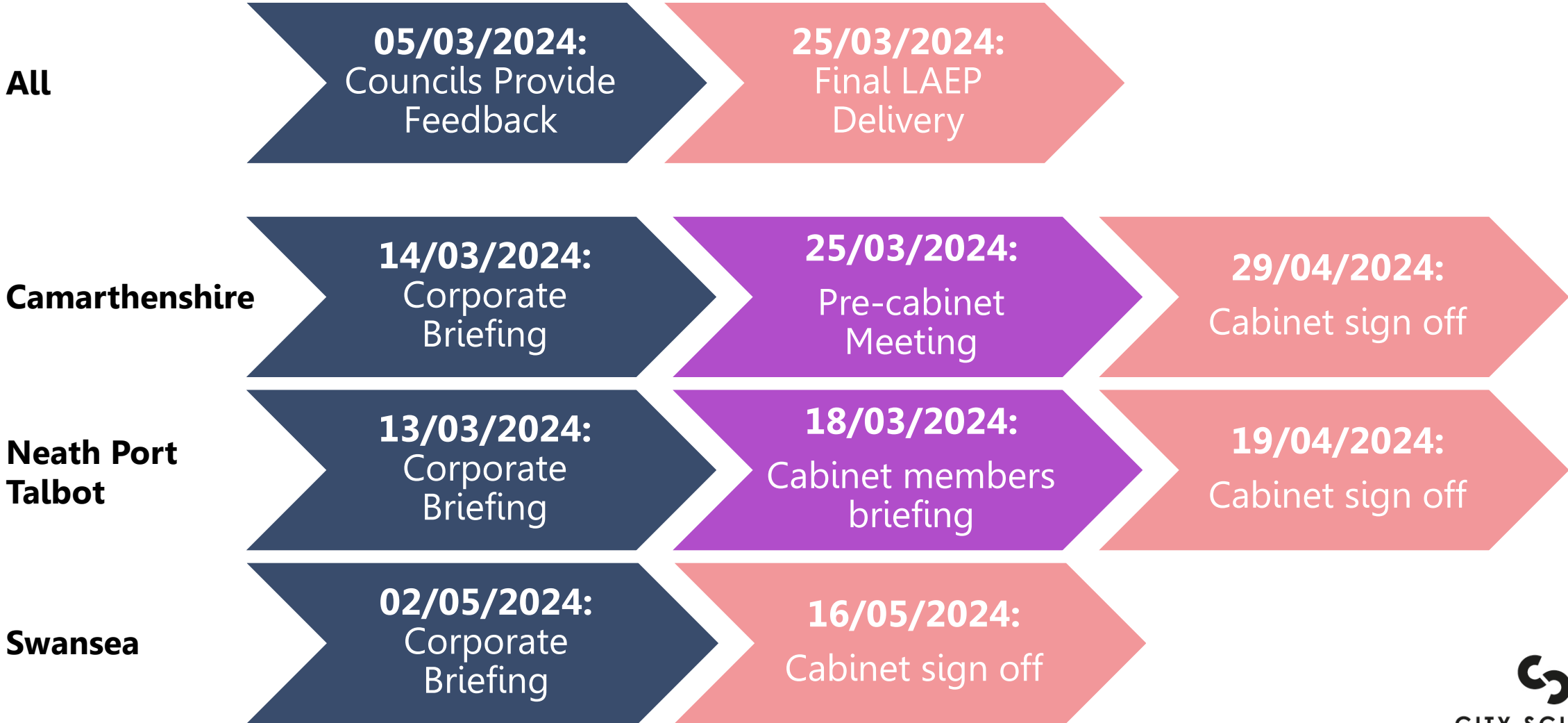
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CHAMAU NESAF / NEXT STEPS





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