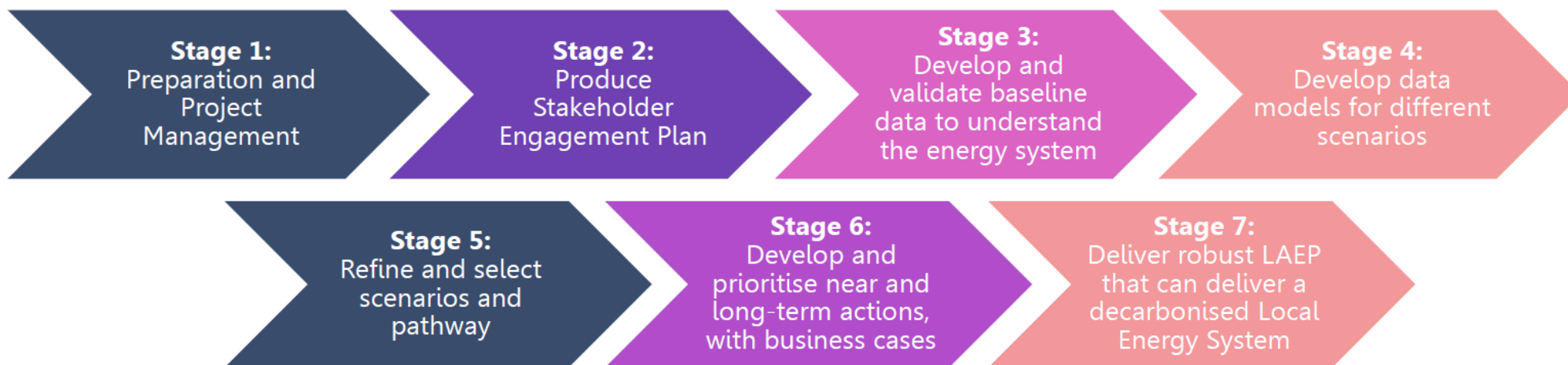


## THE STAGES OF A LAEP

We are now in Stage 6 of the LAEP process, where we are developing the Action Plan that will be integral for supporting the delivery of the LAEP and meeting the targets set out in the Pathway.



# STAGE 2: STAKEHOLDER PLAN

The LAEP process has included several stakeholder engagements. This page and the next details the engagements chosen at each LAEP project stage.

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

# STAGE 2: STAKEHOLDER PLAN

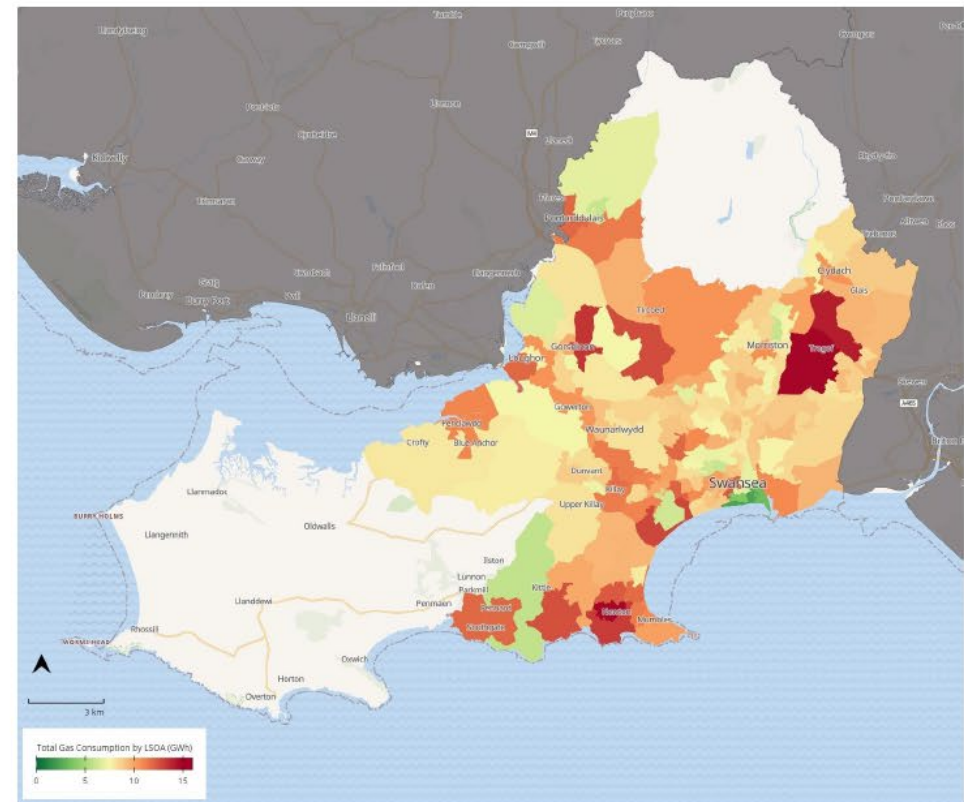
	Stage Purpose	Selected Engagements		
<b>Stage 5: Scenario Refinement &amp; Selection</b>	Scenarios are refined through techno-economic analysis and evaluating wider factors, to agree the preferred pathway to net zero.	<b>Model Outputs Presentation:</b> Presenting the developed model based on different scenarios to the core group and select stakeholders.	<b>Pathway Refinement Workshop:</b> Scenarios are explored in more detail and refined/approved.	<b>Non-Technical Factors and Pathway Review Meeting:</b> A chance for us to present the non-technical factors and the pathways for feedback.
<b>Stage 6: Actions, Priorities &amp; Decisions</b>	To identify near-term or long-term actions and preparing for implementation.	<b>Actions and Projects Workshop:</b> To discuss/develop a long list of actions and projects required to meet the decarbonisation pathway.	<b>Action Sectoral Focus Groups:</b> To explore a deeper layer of the action plan, ensuring it's robust and suitable for implementation.	<b>Wider Engagement/Presentation:</b> To present the key findings and seek feedback from a wider group of key stakeholders (potential need for bilingual translation).
		<b>Project Prioritisation Meeting:</b> To discuss and develop action/project prioritisation with core team.	<b>Governance Workshop:</b> To drill down into the governance of the actions/projects and assign sprint groups/action owners.	
<b>Stage 7: Create the Plan</b>	Create the LAEP document.	<b>Delivery of draft and review opportunity:</b> A meeting to discuss and handover the draft report.	<b>Presentation of Final Report:</b> To wider group/stakeholders.	

**Engagement Type Key**

- Workshop/Focus Group
- Interviews
- Meetings/Presentations
- Public Engagement

## STAGE 3: DEVELOPING THE BASELINE

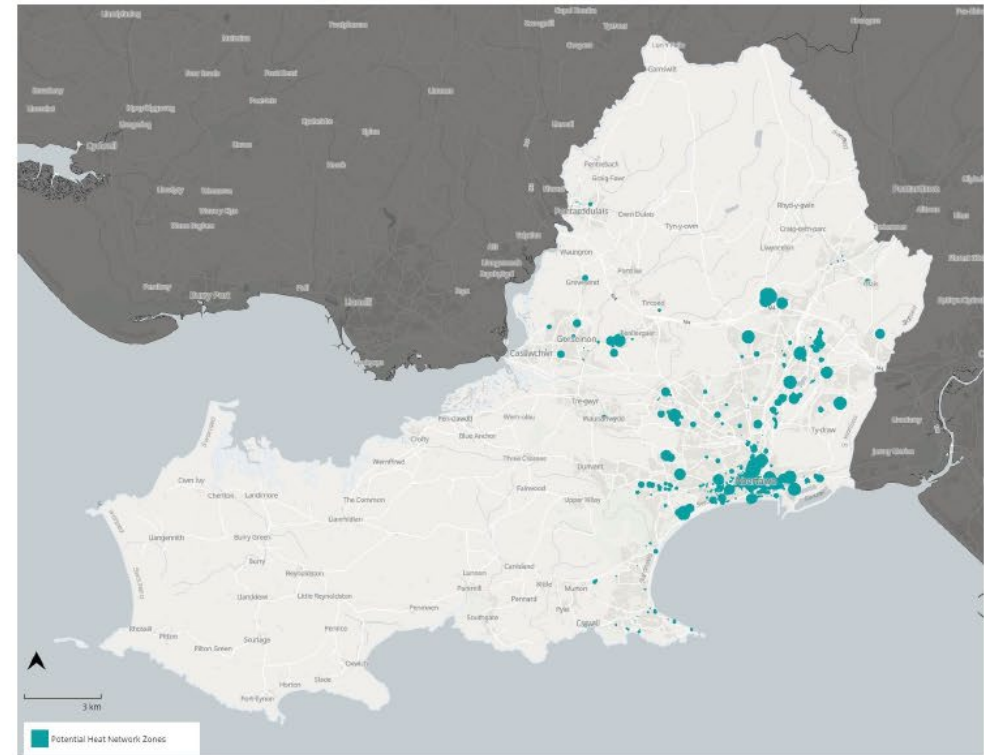
- We present the baseline evidence that was produced during stage three of the LAEP process.
- Stage 3 encompasses data consolidation, a policy review, local area interviews, data analysis and baseline development.
- Key items of the document includes:
  - The Local Context:
    - Geographical Analysis
    - Policy
    - Growth Areas
    - Socio-demographics
  - The Local Energy System
    - Current Emissions
    - Current Energy Use
    - Current Stock
    - Current Performance
    - Potential Performance



Total Domestic Gas Use by LSOA in 2019 (GWh), (Contains OS data © Crown copyright and BEIS data).

# STAGE 4: FUTURE SCENARIO MODELLING

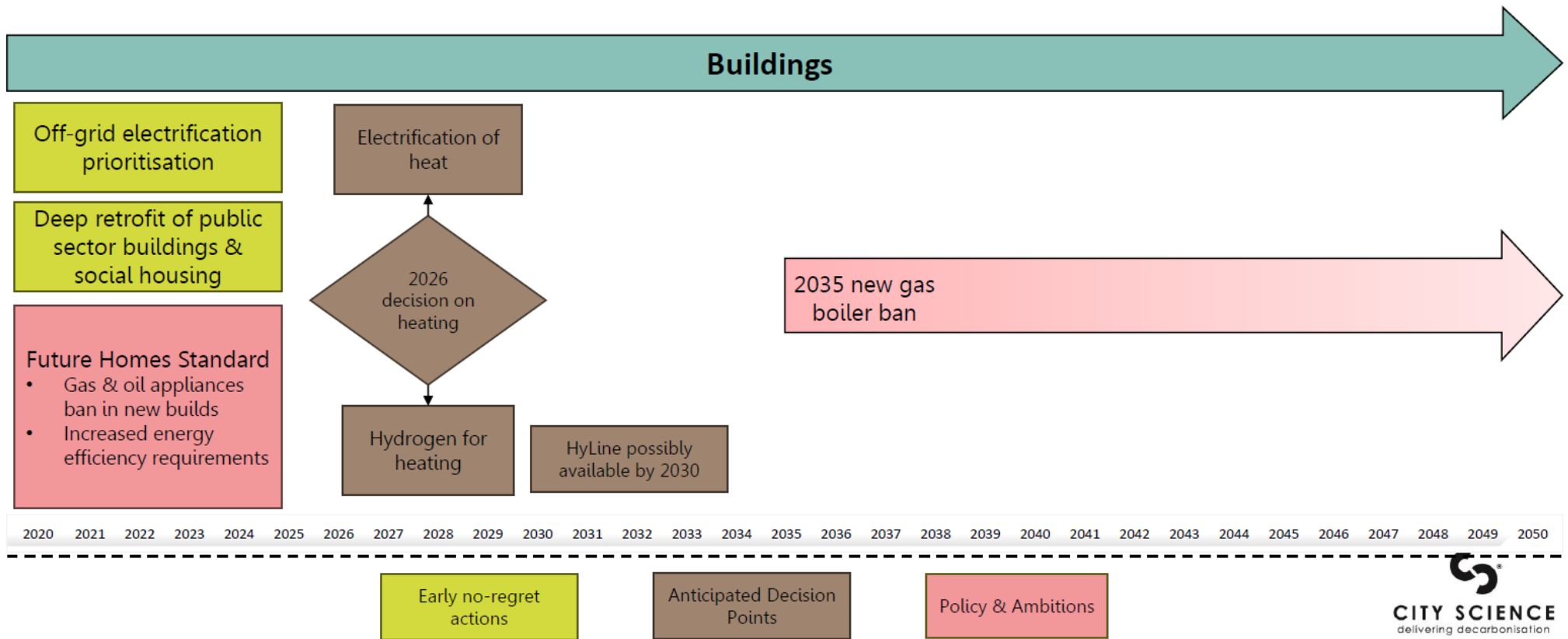
- Stage 4 modelled 4 sets of future scenarios for the Swansea energy system.
- The modelling included:
  - Buildings (heating and electricity)
  - Road transport
  - Generation from renewable sources (onshore wind, ground PV and rooftop PV)
  - Impacts on grid infrastructure
- The scenarios tested the range of uncertainty in reaching net zero by considering:
  - Differing technology choices (e.g. electrification vs hydrogen)
  - Uncertainty in future growth



Location of areas with potential for heat networks across the Local Authority area (Contains OS data © Crown copyright)

# STAGE 5: SCENARIO REFINEMENT

In stage 5, the timelines of the pathway towards desired scenarios were mapped out and modelled.



## STAGE 6: ACTION PLANNING

We are now in stage 6, where we are developing a series of actions on the below themes that we be taken forward to drive decarbonisation of the local area.

Transport  
x 3

Retrofit &  
Heat  
x 4

Industry  
x 2

Generation &  
Networks  
x 3

Enabling  
Factors  
x 3

15 Actions per LA