



# Future energy scenarios for heat and gas in the South West

7 May 2019

Mercure Holland House, Bristol

Regen, Bradninch Court, Little Castle Street, Exeter, EX4 3PL  
T: 01392 494 399



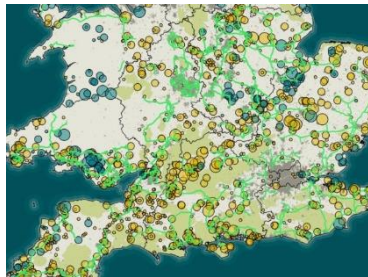
Independent | Mission-led | Not-for-profit | Membership



THE ELECTRICITY STORAGE  
**NETWORK**™



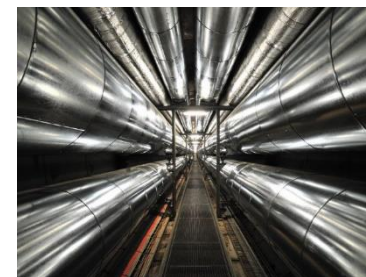
Decarbonisation & energy strategy



Regional future energy scenarios



Grid and network management



Future of heat



Community energy

# The Project - Regional Future Energy Scenarios for Gas & Heat



Gas Network Innovation Allowance



The future of energy

- Running from February to September
- Developing a new methodology for regional and sub-regional long term forecasting for gas and heat, building on Regen's approach for electricity
- Assessing Wales & West Utilities' whole network
- Phased approach, assessing the South West and Wales separately
- Considering key disruptive, growth and shrinkage factors for gas and heat
- Designed to be part of the pathway to whole system thinking, assessing power, heat and transport

- 10:30 Welcome and introductions**  
*Ray Arrell, Senior Project Manager, Regen*
- 10:35 Wales & West Utilities future network planning overview**  
*Bethan Winter, System Operations Manager, Wales & West Utilities*
- 10:45 Regional scenarios for gas and heat – methodology**  
*Ray Arrell, Senior Project Manager, Regen*
- 11:00 Key findings and draft results from scenario forecasting**  
*Jonty Haynes, Energy Analyst, Regen*
- 11:30 Questions and discussion session**
- 12:00 Morning wrap-up and format of the afternoon breakout sessions**  
*Ray Arrell, Senior Project Manager, Regen*
- 12:15 Lunch break**

**13:00** **Afternoon roundtable discussions on three focus areas**  
Facilitated by Regen and Wales & West Utilities representatives:

Roundtable Focus Area	Regen Facilitator	WWU Expert
Domestic heat	Mark Howard	Bethan Winter
Gas fired power generation	Ray Arrell	Neil Stovold
Green gas development	Jonty Haynes	Ian Marshall

**14:00** **Break**

**14:15** **Table facilitators to highlight key points from discussions (x3)**

**14:30** **Wrap-up, next steps and future events**

*Ray Arrell, Senior Project Manager, Regen*

*Bethan Winter, System Operations Manager, Wales & West Utilities*

**15:00** **Finish**

# Questions & discussion

**Ray Arrell**

Senior Project Manager  
Regen

**Bethan Winter**

System Operations Manager  
Regen

**Jonty Haynes**

Energy Analyst  
Regen



# Feedback from roundtables...

Roundtable Focus Area	Regen Facilitator	WWU Expert
Domestic heat	Mark Howard	Bethan Winter
Gas fired power generation	Ray Arrell	Neil Stovold
Green gas development	Jonty Haynes	Ian Marshall

# Wrap-up and next steps

**Bethan Winter**

System Operations Manager  
Wales & West Utilities

**Ray Arrell**

Senior Project Manager  
Regen

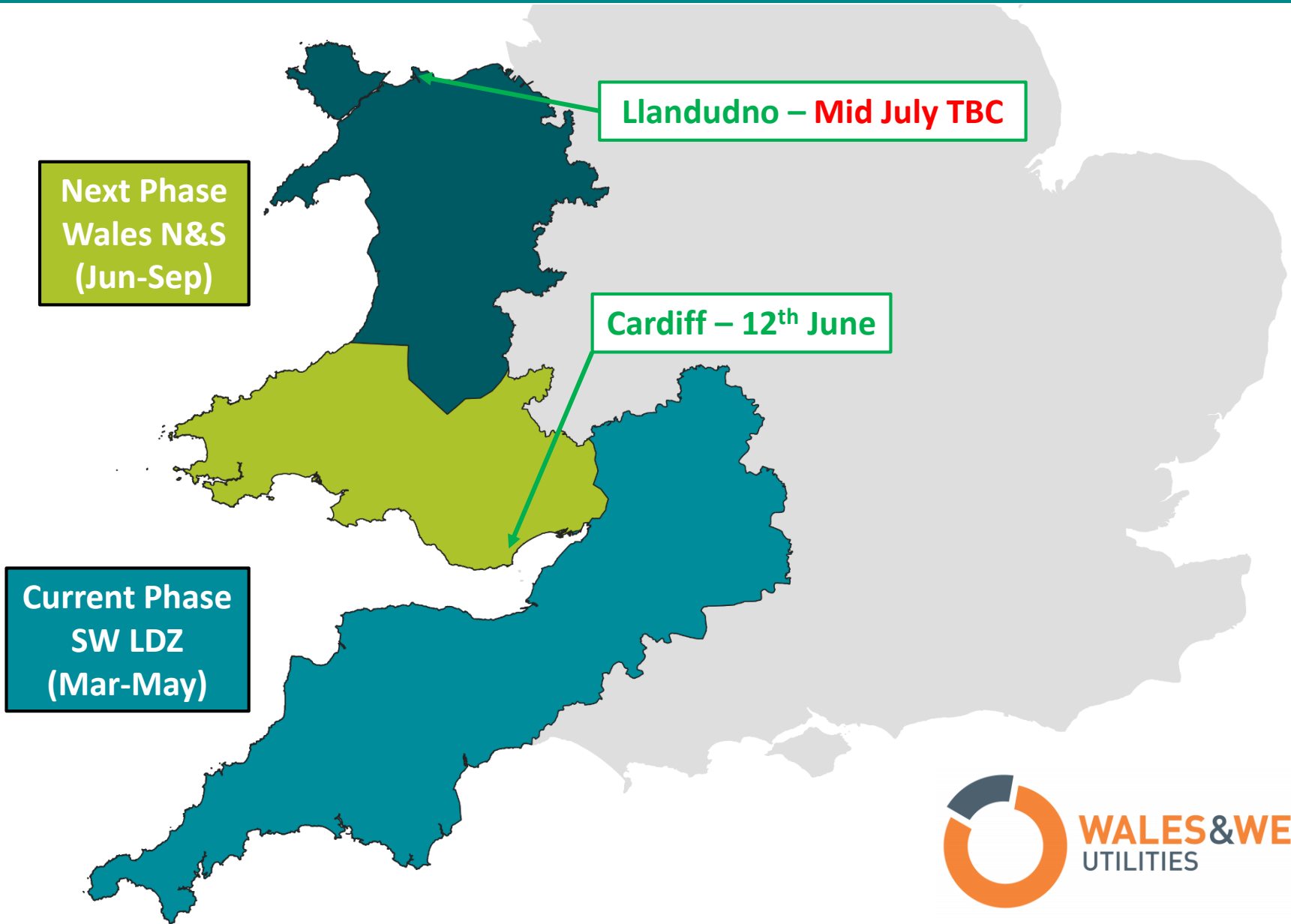




## **By the end of May/beginning of June:**

- Incorporate feedback from today into various analyses
- Collate summary report of approach, assumptions and results to WWU
- Issue scenario results database for each element to WWU
- Collate and publish a summary of the results with WWU
- Working with WWU to update Ofgem with key outcomes

# Welsh phase of scenario analysis



Bethan Winter – [Bethan.Winter@wwutilities.co.uk](mailto:Bethan.Winter@wwutilities.co.uk)

Ray Arrell – [rarrell@regen.co.uk](mailto:rarrell@regen.co.uk)





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