Demand Estimation Sub Committee

7.0 Draft Demand Modelling Approach
Gas Year 2024-25
19 December 23

Demand Estimation Cycle

- An overview of the Demand Estimation process and output can be found here
- Annual modelling cycle of activities are represented in diagram opposite
- This presentation relates to the Modelling Approach phase of the Demand Model cycle

CDSP / DESC Obligations and Timetable: October 2023 to September 2024

Milestone	UNC H Ref	2023			2024								
		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
DESC Membership confirmed	1.12	✔		✔									
NDM Sampling: Data Collection and Validation	1.6	✔						✔					
NDM Algorithm Performance for Gas Year 2022/23	1.8			✔								✔	
DESC Adhoc Workplan	1.7	✔		✔			✔				✔		
DESC Modelling Approach – EUCs and Demand Models	1.7			✔			✔						
Single Year EUC Demand Modelling	1.7								✔				
Model Smoothing and Draft Gas Demand Profiles	1.7									✔			
Industry Consultation	1.8									✔	✔		
Gas Demand Profiles finalised and Core systems updated	1.9											✔	
Seasonal Normal Review 2025	1.4	✔		✔			✔		✔		✔		

Background

- The process for determining the EUCs and Demand Models for the following Gas Year begins with the production of a Modelling Approach document
- The Modelling Approach document provides an overview of the EUC definitions and how the modelling shall be performed, from collecting daily gas consumption data from a sample of NDM supply points through to the industry consultation of the proposed gas demand profiles
- At December's DESC meeting a draft version of the document is shared, which essentially reflects the previous year's approach but updated to reflect the new dates and if applicable, any changes to modelling principles
- DESC is asked to formally approve the document at its meeting in the first quarter of each year, ahead of the modelling process starting in the Spring

Modelling Approach 2024

- Modelling Approach 2024 is required ultimately to deliver a set of Gas Demand Profiles, for use in Gemini and UK Link for Gas Year 2024/25

- The first draft of the Modelling Approach document for 2024 is available here document name ‘Modelling Approach 2024 Draft’

- Action for DESC: Please review and provide any comments to Demand Estimation Team

- Any changes to the key modelling principles need to be formally agreed at the DESC meeting in March

- Possible changes to current approach could be:
  - Changes proposed as a result of the Ad Hoc Workplan items, e.g. Day of Week Review
  - Changes relating to the use of the sample data should there be any significant behavioural changes impacting the sample