

# 2.0 2021/22 NDM Algorithms Update

Demand Estimation Sub Committee  
06/10/2021

The logo for Xserve, featuring a stylized 'X' composed of two overlapping blue shapes, followed by the word 'serve' in a light blue sans-serif font.

Provided by:

The logo for Correla, consisting of two overlapping circles, one blue and one yellow, followed by the word 'correla' in a dark blue sans-serif font.

**correla**

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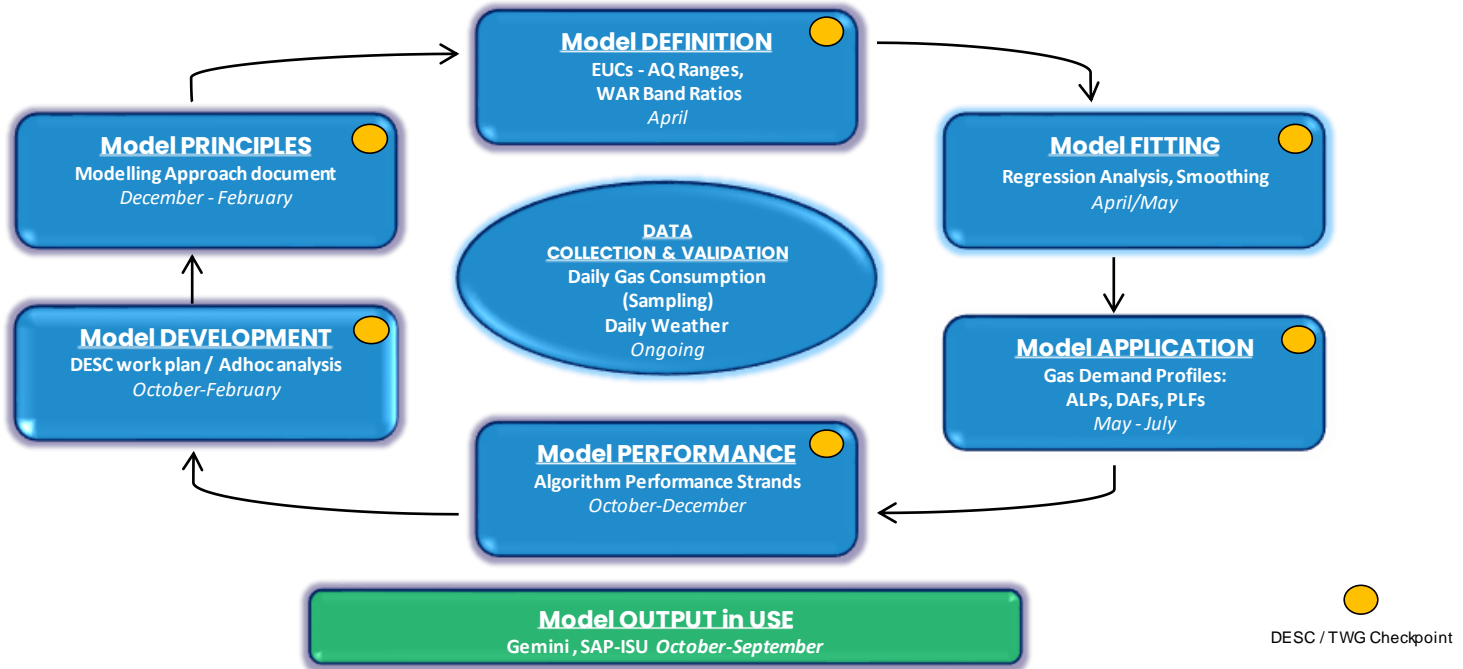
Section 3: NDM Algorithms 2021/22 Update



# Section 1: Background

# Demand Estimation: Background

- An overview of the Demand Estimation process and output can be found [here](#)
- This presentation relates to the “Model Output in Use” phase of the Demand Model cycle



# Demand Estimation Timetable - 2021

## High Level View of Demand Estimation Timetable 2021 – Key Checkpoints

PHASE	JAN'21	FEB'21	MAR'21	APR'21	MAY'21	JUN'21	JUL'21	AUG'21	SEP'21	OCT'21	NOV'21	DEC'21
<b>1. MODEL PRINCIPLES</b>												
Modelling Approach 2021 Approved (DESC)		24-Feb										
<b>2. Data COLLECTION &amp; VALIDATION</b>												
Daily Gas Consumption Data validated (CDSP)				15-Apr								
<b>3. MODEL DEFINITION</b>												
Agree Data Aggregations / WAR Band Limits (TWG)				28-Apr								
<b>4. MODEL FITTING</b>												
Gas Demand EUC Modelling review (TWG)					24-May							
<b>5. MODEL APPLICATION</b>												
Publication of Draft Gas Demand Profiles (CDSP)						04-Jun						
Gas Demand Profiles Approved for wider industry (TWG/DESC)							07-Jul					
Final Approval of Gas Demand Profiles (DESC)							21-Jul					
<b>6. MODEL OUTPUT IN USE</b>												
SAP-ISU and Gemini updated (CDSP)								15-Aug				
<b>7. MODEL DEVELOPMENT</b>												
Adhoc Work-plan approved (DESC)							21-Jul			06-Oct		
<b>8. MODEL PERFORMANCE</b>												
NDM Algorithm Performance – Strands 1 to 3 reviewed (DESC)												14-Dec

# Section 2: Objectives of Meeting

# Objective

- Provide DESC with confirmation of the activities that have occurred since the last meeting in July when DESC provided final approval of the Gas Demand Profiles to be used for Gas Year 2021/22
- Provide DESC with early view of Timetable for 2022, as agreed with the Joint Office

# Section 3: NDM Algorithms 2021/22 Update



# NDM Algorithms 2021/22 Update

## July

- Industry advised DESC had voted to formally approve Gas Demand Profiles
- Ofgem informed that DESC had concluded this year's process

## August

- UK Link system updated in readiness for AQ, SOQ and Read Estimation calculations
- Gemini system updated in readiness for NDM Nomination and Allocation calculations
- EUC Definitions (incl. Numbers) provided to Customers on 24<sup>th</sup> August 2021 (.EUC File)

## September

- Xoserve.com updated with ALPs, DAFs and PLFs (i.e. [available in public domain](#))
- [News article](#) shared with customers summarising this year's process, including a reminder of new Unidentified Gas (UIG) Weighting Factors

## October

- New Gas Demand Profiles Go-Live (first use 30<sup>th</sup> September for D-1 Nominations run)

# Where to find Demand Estimation Data

Folder Structure on Secure Website, links to secured area and access request form can be found by following [this link](#)

## 18. NDM Profiling and Capacity Estimation Algorithms

### 2021-22 Gas Year

#### 1. Modelling Approach Document

#### 2. Demand Estimation Sample Data

#### 3. Demand Estimation Parameters

##### a. End User Categories and Derived Factors

##### b. Demand Model Supporting Files

#### 4. NDM Algorithms Booklet

- Folders highlighted in green contain the final NDM proposals for Gas Year 2021/22
- Reminder:  
The “NDM Algorithms Booklet” (summary of the end to end modelling process) is available in Folder 4

# Demand Estimation Timetable 2022 – Early View

## High Level View of Demand Estimation Timetable 2022 – Key Checkpoints

PHASE	MILESTONE	CHECKPOINT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1. MODEL PRINCIPLES	Modelling Approach 2022 Approved	DESC Meeting			2-Mar									
2. DATA COLLECTION & VALIDATION	Daily Gas Consumption Data validated	Internal				14-Apr								
3. MODEL DEFINITION	Agree Data Aggregations / WAR Band Limits	TWG Meeting				27-Apr								
4. MODEL FITTING	Gas Demand EUC Modelling review	TWG Meeting					24-May							
5. MODEL APPLICATION	Publication of Draft Gas Demand Profiles	Website						10-Jun						
	Gas Demand Profiles Approved for wider industry	DESC Meeting							7-Jul					
	Final Approval of Gas Demand Profiles	DESC Meeting							21-Jul					
6. MODEL OUTPUT IN USE	SAP-ISU and Gemini updated	Internal							14-Aug					
7. MODEL DEVELOPMENT	Adhoc Work-plan approved	DESC Meeting							21-Jul			5-Oct		
8. MODEL PERFORMANCE	NDM Algorithm Performance - Strands 1 to 3 Review	DESC Meeting												13-Dec