



Demand Estimation Sub Committee
Seasonal Normal Review - 2019 Diary Planning

24th July 2018

Seasonal Normal Review

- The work plan for DESC and CDSP in 2019 needs to incorporate the activities required for a ‘Seasonal Normal Review’, which has 2 main deliverables (as described in UNC Section H):
 - DESC, at appropriate frequencies, to review and where appropriate revise the formula by which the Composite Weather Variable (CWV) will be determined – (UNC 1.4.3)
 - DESC, at appropriate frequencies, review and where appropriate revise the values of the Seasonal Normal Composite Weather Variable (SNCWV) - (UNC 1.5.3)
- The last review took place in 2014, and “*appropriate frequencies*” is taken as every 5 years which means 2019 is when the “*review*” and “*revise*” needs to take place
- Any new arrangements would take effect from Gas Year 2020/21 and the process for producing the consumption profiles and factors for that Gas Year will start in Q1 of 2020, which is why DESC should conclude all aspects of the Seasonal Normal Review by the end of 2019

Review and Revise – Composite Weather Variable

- DESC, at appropriate frequencies, to review and where appropriate revise the formula by which the Composite Weather Variable (CWV) will be determined – (UNC 1.4.3)
- Activities to plan in:
 - DESC to agree approach for reviewing existing CWV formula
 - Review performance of existing CWV formula
 - Define CWV formula for next period * (see slide 5 for impacts)
 - Optimise parameters within CWV formula for next period
 - Review & approve parameters to be used within CWV formula
 - Re-state CWV history using CWV formula and approved parameters
- Output from UNC Modification 0659 will hopefully conclude during 2018, in order to inform the CWV formula review in 2019

Review and Revise – Seasonal Normal Composite Weather Variable

- DESC, at appropriate frequencies, review and where appropriate revise the values of the Seasonal Normal Composite Weather Variable (SNCWV) - (UNC 1.5.3)
- Activities to plan in:
 - DESC to agree approach for reviewing existing SNCWV values
 - Review performance of existing SNCWV values
 - Define approach for deriving SNCWV values
 - Calculate SNCWV values*
 - Review & approve SNCWV values
- Output from UNC Modification 0659 will hopefully conclude during 2018, in order to inform the approach for deriving SNCWV values, particularly if a new weather data item is recommended and a 'seasonal normal' view of it is required (Climate Change Methodology?)
- * Where possible activities for the two main deliverables can be run in parallel, such as reviewing the existing performance, however defining the SNCWV values will be dependent on concluding the definition of the CWV formula

Governance and System considerations

References to Calculation Formula and/or data Items used in it	Governance			
	UNC Section H	Demand Estimation Methodology	Spring Approach / NDM Algorithms Booklet	Approach to Seasonal Normal Composite Weather Variable
Change Mechanism	Modification	UNCC Approval	DESC Approval	DESC Approval
WCF	-	✓	-	-
CWV	✓	✓	✓	-
SNCWV	-	-	-	✓
DAF	-	✓	-	-
WSENS	-	-	✓	-
SND	-	-	✓	-

The table to the left shows where there are references in industry documents to either the formula definition and/or data items which must be used

Calculation of....	Systems		
	Gemini	SAP-ISU	Dem. Est. Modelling
WCF	✓	✓	-
CWV	-	✓	-
SNCWV	-	-	✓
DAF	-	-	✓
WSENS	-	-	✓
SND	-	-	✓

- The table to the left shows which systems calculate the parameters in the first instance
- Any change to existing CWV formula would require system impact assessment (SAP-ISU) and review of DN's contracts with Weather Services Provider(s)
- If aspiration is to 'go-live' from October 2020/21 then DESC's requirements need to be captured promptly so the relevant changes can be scheduled in

Diary Planning 2019

- There are a number of meetings scheduled already for 2019 which are needed to satisfy the normal modelling activities which can be used to discuss this work area, however it will probably be necessary to schedule more meetings, current provisional schedule:
 - 11th February 2019
 - 24th April 2019
 - 15th May 2019
 - 8th July 2019
 - 22nd July 2019
 - 7th October 2019
 - 9th December 2019
- In 2014 there were a total of 16 DESC and/or TWG meetings which is probably double the amount of a normal year
- DESC's thoughts on 2019 programme ?