

NAV Water Resources Planning Tables 2024

v03 - December 2021
 All queries on the content of this workbook should be sent to:
ocs_wr@environment-agency.gov.uk



Environment Agency



**Cyfoeth Naturiol Cymru
 Natural Resources Wales**

Summary Information

NAV Company name:	Albion Eco Limited	Grid Reference:	
Number of Resource Zones:	1	Signature:	David Knaggs
Planning Scenario Name:			
Chosen Level of Service:	n/a	Date:	06.09.2022
Base Year:	2019-19		
Responsible Officer:	David Knaggs		
Incumbent Water Company(ies):	Dwr Cymru - Welsh Water		
Incumbent Water Resource Zone:	Alwen/Dee		
Version:	1.00		

Worksheet	Content	Key
1. Title 1.1 Guide 2. WRZ_NAV (rename as appropriate)	Title Guide on planning tables WRZ tab for each NAV supply area. This includes supply (imports) and demand forecasts and supply demand balance.	<div style="display: flex; align-items: flex-start;"> <div style="margin-right: 10px;"> <div style="width: 20px; height: 10px; background-color: yellow; border: 1px solid black; margin-bottom: 5px;"></div> <div style="width: 20px; height: 20px; background-color: lightblue; border: 1px solid black; margin-bottom: 5px;"></div> <div style="width: 20px; height: 10px; background-color: lightgrey; border: 1px solid black; margin-bottom: 5px;"></div> <div style="width: 20px; height: 10px; background-color: darkgrey; border: 1px solid black;"></div> </div> <div> <p>Clear cells - indicate an input is required</p> <p>Yellow shaded cells - indicates a formula.</p> <p>Blue shaded cells - indicate base year data.</p> <p>Light grey shaded cells - indicate preceding years.</p> <p>Dark grey cells - indicate that no data entry is required.</p> </div> </div>

Guide

General Notes

The notes provided below will aid you in understanding the methods used to design these tables along with what data is to be used when filling out the tables. All formulas (cells in yellow) will calculate data automatically. Please do not amend the formulas within these cells.

2. WRZ_NAV

Supply (imports) and demand forecasts should be entered into this sheet. There is also a summary table, auto populated from the information entered into the various other tables here.

You will need to complete a WRZ_NAV tab for each of your supply areas. A Copier macro will appear when you open to the table to create a duplication of this sheet for any specified number of supply areas. Please rename each worksheet the name of the supply area and ensure this is consistently used for your WRMP. You should also fill in the key information at the top of each tab.

Water Company	Albion Eco Limited
Resource Zone Name	
Resource Zone Number	
Planning Scenario Name	0.00
Chosen Level of Service	n/a
Incumbent Water Company Name	
Incumbent Water Resource Zone	
Version	

	Component	Unit	2048-49	2049-50
Supply	Total Raw Water Imported	MI/d	22.00	22.00
	Total Potable Water imported	MI/d	0.10	0.10
Demand	Measured Household Consumption	MI/d	0.00	0.00
	Unmeasured Household Consumption	MI/d	0.00	0.00
	Measured Non-Household Consumption	MI/d	17.99	17.99
	Unmeasured Non-Household Consumption	MI/d	0.00	0.00
	Average PCC	MI/h/d	#DIV/0!	#DIV/0!
	Total Leakage	MI/d	0.01	0.01
	Total Resource Zone Properties (incl voids)	00's	<0.1	<0.1
	Measured Household - Occupancy Rate (average) (excl voids)	h/prop	n/a	n/a
	Total Household Metering penetration (excl. voids)	%	n/a	n/a
Supply Demand balance	Distribution Input	MI/d	18.01	18.01
	Total Water Available for use	MI/d	22.10	22.10
	Available Headroom	MI/d	4.09	4.09
	Supply Demand Balance	MI/d	4.09	4.09

	Row Ref	Component	Derivation	Unit	Decimal Places	2019-20	2020-21	2048-49	2049-50
Supply (Imports)	2BL	Total Raw Water Imported	Sum (2.1BL+2.2BL+2.3BL...)	MI/d	2	22.00	22.00	22.00	22.00
	2.1BL	Raw Water Imported From: DCC - A		MI/d	2	18.00	18.00	18.00	18.00
	-	Raw Water Imported From: DCC - B		MI/d	2	4.00	4.00	4.00	4.00
	3BL	Total Potable Water Imported	Sum (3.1BL+3.2BL+3.3BL...)	MI/d	2	0.03	0.03	0.10	0.10
	3.1BL	Potable Water imported from: DCC	Input	MI/d	2	0.05	0.04	0.10	0.10
-					2				
Consumption	19BL	Water Delivered Measured Non-Household	Input	MI/d	2	13.00	10.00	18.00	18.00
	20BL	Water Delivered Unmeasured Non-Household	Input	MI/d	2	0.00	0.00	0.00	0.00
	21BL	Water Delivered Measured Household	Input	MI/d	2	0.00	0.00	0.00	0.00
	22BL	Water Delivered Unmeasured Household	Input	MI/d	2	0.00	0.00	0.00	0.00
	23BL	Measured Non Household - Consumption	19-34BL	MI/d	2	12.99	9.99	17.99	17.99
	24BL	Unmeasured Non Household- Consumption	20BL-35BL	MI/d	2	0	0	0.00	0.00
	25BL	Measured Household - Consumption	21BL-36BL	MI/d	2	0	0	0.00	0.00
	26BL	Unmeasured Household Consumption	22BL-37BL	MI/d	2	0	0	0.00	0.00
PCC	29BL	Measured Household - PCC	25BL*1,000,000)/(51BL*100	l/h/d	1	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	30BL	Unmeasured Household PCC	(26BL*1,000,000)/(52BL*100	l/h/d	1	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	31BL	Average Household PCC	+26BL)*1,000,000)/(51+52B	l/h/d/	1	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	31.1BL	Average Household PCC (Including Non Potable Reuse Scheme)	Input	l/h/d/	2	n/a	n/a	n/a	n/a
	33BL	Distribution System Operational Use	Input	MI/d	2	0.00	0.00	0.00	0.00
Leakage	34BL	Measured Non Household - USPL	Input	MI/d	2	0.01	0.01	0.01	0.01
	35BL	Unmeasured Non Household - USPL	Input	MI/d	2	0.00	0.00	0.00	0.00
	36BL	Measured Household - USPL	Input	MI/d	2	0.00	0.00	0.00	0.00
	37BL	Unmeasured Household - USPL	Input	MI/d	2	0.00	0.00	0.00	0.00
	39BL	Distribution Losses	Input	MI/d	2	0.00	0.00	0.00	0.00
	40BL	Total Leakage	Sum(34BL-39BL)	MI/d	2	0.01	0.01	0.01	0.01
	41BL	Total Leakage	(40BL*1,000)/(48BL*100)	MI/prop/d	2	#VALUE!	#VALUE!	#VALUE!	#VALUE!
Customer Properties	42BL	Measured Non-Households - properties	Input	00's	2	<0.1	<0.1	<0.1	<0.1
	43BL	Unmeasured Non-Household - properties	Input	00's	2	0.00	0.00	0.00	0.00
	45BL	Total Measured Households - properties (excl void)	Pre-plan year = input. Forecast years = Previous year 45BL + sum(45.1BL+45.7BL)	00's	2	0	0	0.00	0.00
	45.1BL	New Build - properties	Input	00's	2	0	0	0.00	0.00
	45.7BL	Measured Void Vouseholds - properties	Input	00's	2	0	0	0.00	0.00
	46BL	Unmeasured Void households - properties (excl void)	Input	00s	2	0	0	0.00	0.00
	48BL	Total Resource Zone Properties (incl voids)	Sum(42:45BL)+45.7+46BL	00's	2	<0.1	<0.1	<0.1	<0.1
Customer Population	49BL	Measured Non Household - Population	Input	00's	2	0	0	0.00	0.00
	50BL	Unmeasured Non-Household - Population	Input	00's	2	0	0	0.00	0.00
	51BL	Measured Household - Population	Input	00's	2	0	0	0.00	0.00
	52BL	Unmeasured Household - Population	Input	00's	2	0	0	0.00	0.00
	53BL	Total Resource Zone Population	Sum(49BL-51BL)	00's	2	0	0	0.00	0.00
Occupancy R	54BL	Measured Household - Occupancy Rate (average) (excl voids)	51BL/45BL	h/prop	1	n/a	n/a	#DIV/0!	#DIV/0!
	55BL	Unmeasured Household - Occupancy Rate	52BL/46BL	h/prop	1	n/a	n/a	#DIV/0!	#DIV/0!
Metering	56BL	Total Household Metering Penetration (excl. voids)	45BL/45BL+46BL	%	0	n/a	n/a	#DIV/0!	#DIV/0!
Supply Demand Balance	11BL	Distribution input	19BL+20BL+21BL+22BL+39BL	MI/d	2	13.01	10.01	18.01	18.01
	13BL	Total Water Available For Use	(2BL+3BL)-(5BL+6BL)	MI/d	2	22.03	22.03	22.10	22.10
	15BL	Target headroom (All other components)	Input	MI/d	2	0.00	0.00	0.00	0.00
	17BL	Available Headroom	13BL-11BL	MI/d	2	9.02	12.02	4.09	4.09
	18BL	Supply Demand Balance	17BL-15BL	MI/d	2	9.02	12.02	4.09	4.09