

## IAP Response

Ref B2.WSH.OC.A21

# Risk of Severe Restrictions in a Drought

1 April 2019

## WSH.OC.A21 Risk of Severe Restrictions in a Drought

### Nature of Adjustment (Summarise how you have responded to this action)

Since the submission of our Business Plan in September 2018 we have engaged Atkins to review our drought vulnerability assessment. Their report is included in our revised submission B2.20.WSH.CE.A1 Improving Drought Resilience in the Vowchurch Water Resource Zone IAP response. Appendix 1 Section 2.2 of the Atkins report sets out the results of the initial screening of Water Resource Zones to identify any that might benefit from detailed analysis. This identified 14 zones requiring more detailed analysis. One of these was then dealt with by way of some simple checks. The results for the remaining 13 zones are set out in the report.

The report concluded that only three carry a risk of restrictions in a 1 in 200 year drought scenario. These are the same three that we had identified in our original business plan submission.

The baseline risk for all of our zones, including the three zones at risk, showing the position if there were no investment, and our forecasts for population, is illustrated in the table below

	Passed initial screen?	Population at risk (000's)						
		2019 2020	2020 2021	2021 2022	2022 2023	2023 2024	2024 2025	2044 2045
North Eryri Ynys Môn	No	0	0	0	0	0	0	0
Clwyd Coastal	No	0	0	0	0	0	0	0
Alwen Dee	No	0	0	0	0	0	0	0
Bala	Yes	0	0	0	0	0	0	0
<b>Tywyn Aberdyfi</b>	<b>No</b>	<b>4.73</b>	<b>4.74</b>	<b>4.74</b>	<b>4.75</b>	<b>4.76</b>	<b>4.77</b>	<b>4.90</b>
Blaenau Ffestiniog	No	0	0	0	0	0	0	0
Barmouth	No	0	0	0	0	0	0	0
Lleyn Harlech	No	0	0	0	0	0	0	0
Dyffryn Conwy	Yes	0	0	0	0	0	0	0
South Meirionnydd	Yes	0	0	0	0	0	0	0
Tywi CUS	No	0	0	0	0	0	0	0
Mid & South Ceredigion	No	0	0	0	0	0	0	0
North Ceredigion	No	0	0	0	0	0	0	0
<b>Pembrokeshire</b>	<b>No</b>	<b>125.51</b>	<b>126.10</b>	<b>126.72</b>	<b>127.43</b>	<b>127.95</b>	<b>128.54</b>	<b>136.39</b>
Ross on Wye	Yes	0	0	0	0	0	0	0
Elan Bwlch	Yes	0	0	0	0	0	0	0

Hereford CUS	Yes	0	0	0	0	0	0	0
Llyswen	Yes	0	0	0	0	0	0	0
Brecon Portis	No	0	0	0	0	0	0	0
Monmouth	Yes	0	0	0	0	0	0	0
Pilleth	Yes	0	0	0	0	0	0	0
<b>Vowchurch</b>	<b>No</b>	<b>6.84</b>	<b>6.84</b>	<b>6.84</b>	<b>6.84</b>	<b>6.84</b>	<b>6.85</b>	<b>7.05</b>
Whitbourne	Yes	0	0	0	0	0	0	0
SEWCUS	No	0	0	0	0	0	0	0
<b>Baseline annual performance</b>								
<b>Total Population at Risk (000's)</b>		<b>137.08</b>	<b>137.68</b>	<b>138.30</b>	<b>138.93</b>	<b>139.55</b>	<b>140.16</b>	<b>148.34</b>
<b>Total Company Population Served (000's)</b>		<b>3071.3</b>	<b>3081.9</b>	<b>3092.0</b>	<b>3101.5</b>	<b>3110.4</b>	<b>3120.3</b>	<b>3231.76</b>
<b>Total Population at risk (%)</b>		<b>4.46</b>	<b>4.47</b>	<b>4.47</b>	<b>4.48</b>	<b>4.49</b>	<b>4.49</b>	<b>4.59</b>

#### **Our performance commitment**

Our investment plan includes three projects in the three zones that were identified as being at risk. These projects will remove the risks meaning that our customers would not have a risk of facing restrictions in a 1 in 200 year drought. For Tywyn Aberdyfi and Pembrokeshire the relevant projects address supply demand deficits, with the additional benefit of removing the drought risk. For our Vowchurch zone there is no supply demand deficit so we have proposed a project to remove the drought risk only. Following delivery of these three projects our risk will reduce to 0%, which is our commitment for 2024/25. There is therefore no further 'stretch' available in our target.