

RES1- Water resources asset and volumes data

Line description		Commentary
	Water resources	
1	Water from impounding reservoirs	Assume no new impounding reservoirs therefore figure does not change Confidence grade A2
2	Water from pumped storage reservoirs	Assume no new storage reservoirs therefore figure does not change Confidence grade A2
3	Water from river abstractions	Assume no additional river abstraction therefore figure does not change Confidence grade A2
4	Water from groundwater works, excluding managed aquifer recharge (MAR) water supply schemes	2024/25 Smock Alley completion +3.12MI/d, 2025/26 Rogate scheme completion +1.6MI/d, 2027/28 East Woodhay improvements +1.2MI/d Confidence grade A2
5	Water from artificial recharge (AR) water supply schemes	Assume no new artificial recharge schemes therefore figure does not change Confidence grade A1
6	Water from aquifer storage and recovery (ASR) water supply schemes	Assume no new aquifer storage and recovery schemes therefore figure does not change Confidence grade A1
7	Water from saline abstractions	Assume no new desalination schemes Confidence grade A2
8	Water from water reuse schemes	2027/28 Sandown recycling +8.5MI/d Confidence grade A2
9	Number of impounding reservoirs sources	Assume no new impounding reservoirs therefore figure does not change Confidence grade A2
10	Number of pumped storage reservoirs sources	Assume no new storage reservoirs therefore figure does not change Confidence grade A2
11	Number of river abstractions sources	Assume no additional river abstraction therefore figure does not change Confidence grade A2
12	Number of groundwater works excluding managed aquifer recharge (MAR) water supply schemes	2024/25 Smock Alley completion +1, 2025/26 Rogate scheme completion +1, 2027/28 East Woodhay improvements but no new source Confidence grade A2
13	Number of artificial recharge (AR) water supply schemes	Assume no new artificial recharge schemes therefore figure does not change Confidence grade A1
14	Number of aquifer storage and recovery (ASR) water supply schemes	Assume no new aquifer storage and recovery schemes therefore figure does not change Confidence grade A1
15	Number of saline abstraction schemes	Assume no new desalination schemes Confidence grade A2
16	Number of reuse schemes	2027/28 Sandown recycling +1 Confidence grade A2

17	Total number of sources	Sum of lines RES1.9 to RES1.16, 2024/25 Smock Alley completion +1, 2025/26 Rogate scheme completion +1, 2027/28 East Woodhay improvements but no new source, 2027/28 Sandown recycling +1 Confidence grade A2
18	Total number of water reservoirs	Assume no increase in water reservoirs therefore no change in figure Confidence grade A1
19	Total volumetric capacity of water reservoirs	
20	Total number of intake and source pumping stations	No new intake and source pumping stations therefore no change in figure Confidence grade A2
21	Total installed power capacity of intake and source pumping stations	No new intake and source pumping stations therefore no change in figure Confidence grade B3
22	Total length of raw water abstraction mains and other conveyors	No new raw water abstraction mains and other conveyors Confidence grade C5
23	Average pumping head – raw water abstraction	APR23 performance flatlined for AMP7/8 forecast because RC23 year end audit identified potential issues with the method of calculation meaning forecast changes to APH caused by AMP7 & 8 schemes could lead to further inaccuracies. These are being looked into but we are not yet able to provide accurate information on the changes to APH they may cause. Confidence grade C3
24	Energy consumption - water resources (MWh)	Base years 2021/22 and 2022/23 were used to produce forecasts; this resulted in small variations between 2022/23 actuals and 2023/24 forecasts. Confidence grade: D4
25	Total number of raw water abstraction imports	No new schemes will affect this number Confidence grade A2
26	Water imported from 3rd parties to raw water abstraction systems	
27	Total number of raw water abstraction exports	
28	Water exported to 3rd parties from raw water abstraction systems	
29	Water resources capacity (measured using water resources yield)	2024/25 Smock Alley completion +3.12MI/d, 2025/26 Rogate scheme completion +1.6MI/d, 2027/28 East Woodhay improvements +1.3MI/d, 2027/28 Shoreham desalination completion +2MI/d, 2027/28 Ford recycling +2.99MI/d, 2027/28 Sandown recycling +1.61MI/d Confidence grade A3
30	Total number of impounding reservoirs assets	No new impounding reservoir assets therefore no change to figure Confidence grade C3
31	Total number of new eels/fish entrainment screens	We are undertaking investigations in AMP8 to inform implementation schemes required for AMP9. Hence a zero return for AMPs 7 and 8 has been submitted. Confidence Reliability Band C
32	Total number of new eels/fish passes	
33	Total number of new wetlands	



34	Total area of new wetlands	These are HOLDING LINES left blank for AMP8 implementation schemes; no solution has been proposed at this stage as the investigations are still ongoing. The solutions could include Wetland work but this is undefined at this time hence the return has been left blank. The investigations are due to complete in 2025. Confidence Reliability Band C
35	Total number of investigations; (WINEP/NEP) desk based only	Completion dates in the EA WINEP spreadsheet are incorrect and are represented in the Res1 investigation FINAL link – these will become the new dates following the submission of Alteration forms to the EA but this cant happen until April 2025. Confidence Reliability Band B – due to changes in dates required as discussed above.
36	Total number of investigations; (WINEP/NEP) survey, monitoring or simple modelling	
37	Total number of investigations; (WINEP/NEP) multiple surveys, and/or monitoring locations, and/or complex modelling water	
38	Total number of investigations; (WINEP/NEP)	
39	Additional line 1; water resources cost driver	No input to these lines, all drivers covered elsewhere in the table
40	Additional line 2; water resources cost driver	
41	Additional line 3; water resources cost driver	