

Gate two query process

Strategic solution(s)	Severn Trent Sources
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Query

Thank you for providing a summary of utilisation over historic and stochastic time series. With reference to Section 4, please detail the reasoning behind why the STS scheme utilisation of individual sources and phasing has not been provided in the Gate 2 submission. Detailing why this will be delayed until Gate 3. Outlining any obstacles and barriers to providing this information at this stage.

Solution owner response


STS now provides only a single source from Netheridge WwTW. As detailed in section 3.2, Mythe WTW 'spare' licence is now utilised in-region to reduce our own WRMP deficit. It was offered into the regional planning process, STT doesn't accept all the available source water meaning Mythe was available to be selected in region, and has been. There is no utilisation of Mythe. The utilisation of Netheridge WwTW is driven by STT SRO/WRSE.

The nature of this source, diverted wastewater, means that the support could be utilised 100% of the time if required. As detailed in section 3.11, Netheridge WwTW utilisation takes two forms. Firstly to provide a 20 MI/d sweetening flow for the STT pipeline when River Severn unsupported flow is unavailable. Secondly to provide the full 35 MI/d support when STT is operational.

From Table 4.1 on page 11 of the ST Sources Gate 2 paper, which matches Table 4.3 in the STT Gate 2 paper, it can be seen that STT operates at 22.3% to 22.6% with supported flows, including Netheridge WwTW, and 6.2% to 7.8% with

unsupported flows. Netheridge WWTW will not be utilised when unsupported flows are available.

Further utilisation detail is expected from the STT project team during Gate 3 as stated in section 4.9 of the STT Gate 2 submission. It is noted in the STT Gate 2 report that Regional modelling is ongoing and that further information / update will be provided to the Regions in 2023. The updated model output may change the STT utilisation of the sources in the final regional plans. There are no obstacles or barriers to this information but we need to reflect that the process will evolve in 2023/gate 3. In practical terms, this will simply allow us to refine our OPEX costs to match the STT utilisation profile as Netheridge WWTW utilisation is unconstrained.

Date of response to RAPID	13/12/22
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