

From: [Jake Morley](#)
To: [Anne-Marie Kenward](#)
Subject: [EXTERNAL] Little Marlow Sewage Works
Date: 06 December 2021 16:22:09
Attachments: [DWMP.pptx](#)

Good afternoon Anne-Marie,

My name is Jake and I am the new lead for Local Government for Thames Valley North. I am writing to you to update you on several queries submitted to Thames Water about Little Marlow Sewage Treatment Works (STW). In the email you submitted a series of questions and requests that we have provided answers for below.

1. Thames Water responses to the 3 CAR reports (March, May and July 21) have they been issued?

The CAR reports have been submitted to the Environment Agency. As these are public document, these can be accessed by submitting a request to the Environment Agency. Thames Water cannot distribute this document as the document belongs to the EA.

2. Can Thames Water release the figures for potential site capacity if 2 new 25 metre tanks were installed as per question raised at meeting?

Thames Water are still looking at the engineering options for additional final settlement tanks along with various other options for the whole of the site for the next AMP period. This will be a carefully considered decision as they are not a quick decision nor solution. Currently, we are not past the design phase and funding has not yet been granted, therefore we can't confirm the solution, size or additional capacity that this may offer. When details can be published, we will endeavour to send this over and answer any questions at this time.

3. Ground Water Impacted Management Plan (GISMP)
area <https://www.thameswater.co.uk/about-us/regulation/drainage-plans>.

The Little Marlow Groundwater System Impacted Management Plan (GSIMP) is in Phase 5 of the GSIMP programme and are now published on the Thames Water website. We have just received comments back from the Environment Agency and therefore responding accordingly and we are currently working through these.

4. Drainage and Wastewater Management Programme
<https://www.thameswater.co.uk/about-us/regulation/drainage-and-wastewater-management>.

We can confirm that the Drainage and Waste Management Plan (DWMP) is in progress. Attached to this email is presentation which we recently shared at a workshop with the TRFCC area which Buckinghamshire falls within.

Buckinghamshire LLFA were present as well as Catchment Partnerships in the technical stakeholder consultation workshops. The slides cover what a DWMP is and outlines the programme appraisal stage which we are currently in and the timelines involved. We are awaiting guidance from Ofwat regarding how the DWMP will fit into our current Price Review 2024.

5. Confirmation the TW mailing lists have been updated to include new local councillors.

We have refreshed our contact list to reflect the councillor information on the Buckinghamshire website. However, if you wish, you can submit a fresh list to me and I will see if there are any discrepancies.

6. To confirm that we have passed along Mike Overall's comments on containment barriers.

We can confirm that we have received Mike Overall's comments on containment barriers. We understand Mike's comments and Rachael Followell-Mattin has recently spoken to him about this as well. We are reviewing these comments and we will update Mike accordingly as the investigation develops and possible mitigation schemes are put in place.

7. To confirm the formal TW process for informing local stakeholders after a site incident.

We inform local stakeholders as soon as we can through our event management process at Thames Water. We take care to draw on different departments knowledge and expertise to accurately assess the nature of the issue and how it can be resolved. After this, all stakeholders are contacted with updates. We also add Bulletin Boards to our contact centre should anyone contact Thames Water directly to understand what is happening on a particular site.

8. To provide contact details of the price review group.

If you have questions regarding the Price Review 24 (PR24) please come to me in the first instance. If you are interested in finding out more about Thames Water's Price Review you may find that contacting Ofwat directly, who are the water industry financial regulator, may help in explaining this process. We will engage with all our stakeholders as we progress with our plans.

As a further assurance of the work Thames does, Amanda Smith is happy to support a site visit for the relevant concerned parties. This will involve a visit to site to see the sewage works in operation to help increase the understanding of the process and care we take to process the catchment sewage 24/7. We have marked out 3rd February as a potential date to take a party of 6 to visit. Please let me know should you wish to arrange this.

I hope that we have provided satisfactory answers to your queries and requests.

Yours sincerely,

Jake Morley

Local Government Lead – North Thames Valley

What is a DWMP?

Drainage and Wastewater management plans are long-term strategic plans to ensure our wastewater service is resilient to future challenges.

This is our first DWMP (2025 to 2050).

- Ultimately it will **deliver a costed and strategic plan of interventions**, and their sequencing, for the next 25 years.
- In this first DWMP, **we've prioritised the scope to focus on three future pressures: climate change, population growth and urban creep.**

The plan will be **published for public consultation in Summer 2022**, in line with our Business Plan, with final plans ready in March 2023.



How we're creating the plan

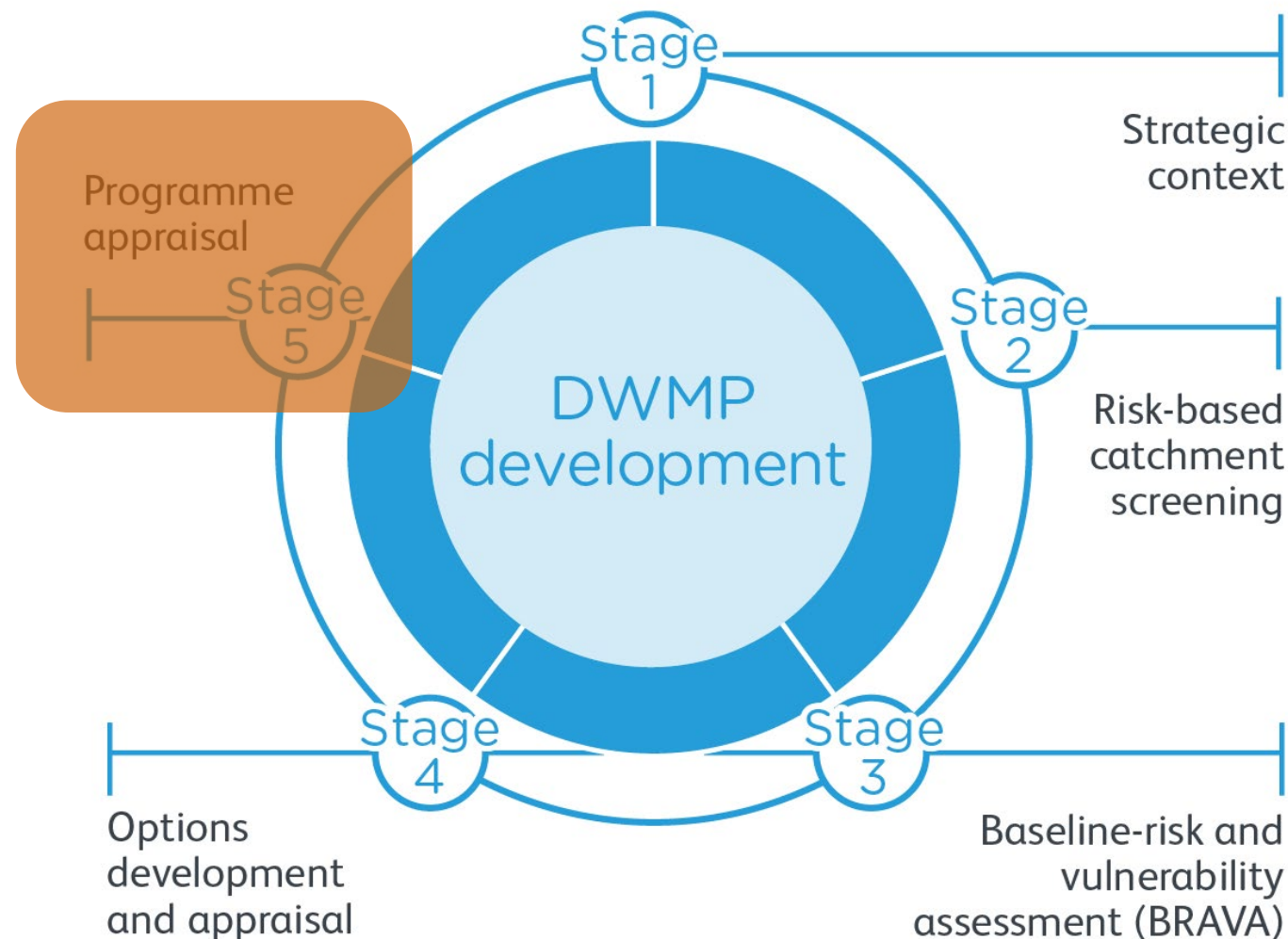
The DWMP journey

To create the plan we are following an industry wide framework co-created with stakeholders in 2018.

The framework has five main stages and is re-iterated every five years ahead of price reviews.

We've completed stages 1 to 4 so far with input and engagement from our stakeholders. The outputs of stage 4 are the main content of today's session.

Before the end of this year we'll be working to complete Stage 5: Programme Appraisal.

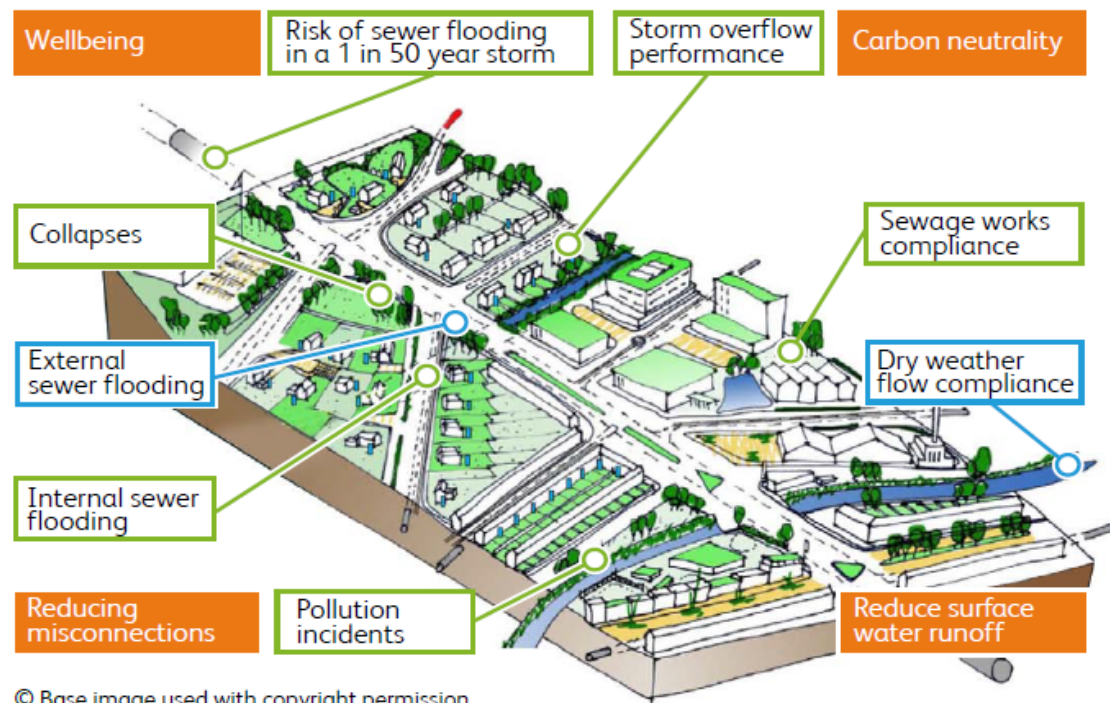


What are the plan goals?

Objectives and Targets

We have 12 planning objectives which were agreed at stage 1 of the framework (strategic context).

Agreed planning objectives for our DWMP 24



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We have three targets for the plan which we have aligned with our companies 2050 vision and stakeholder priorities. .



Working collaboratively

Challenges/Opportunities

The DWMP aims to be a collaborative plan, co-created with stakeholders and customers.

This has been tricky due to the number and split of stakeholders, Covid restrictions and limitations on the scope/timeframe of the framework for the plan.

However, we have managed to:

- Agree our planning objectives with you and write up our Strategic context document
- Carry out local BRAVA workshops with you to outline areas of risk and opportunity
- Discuss the progressing options with you and add back in some key options/areas
- Lead 6 live webinars to introduce you to new stages of the framework
- Carry out two rounds of customer research to understand their priorities



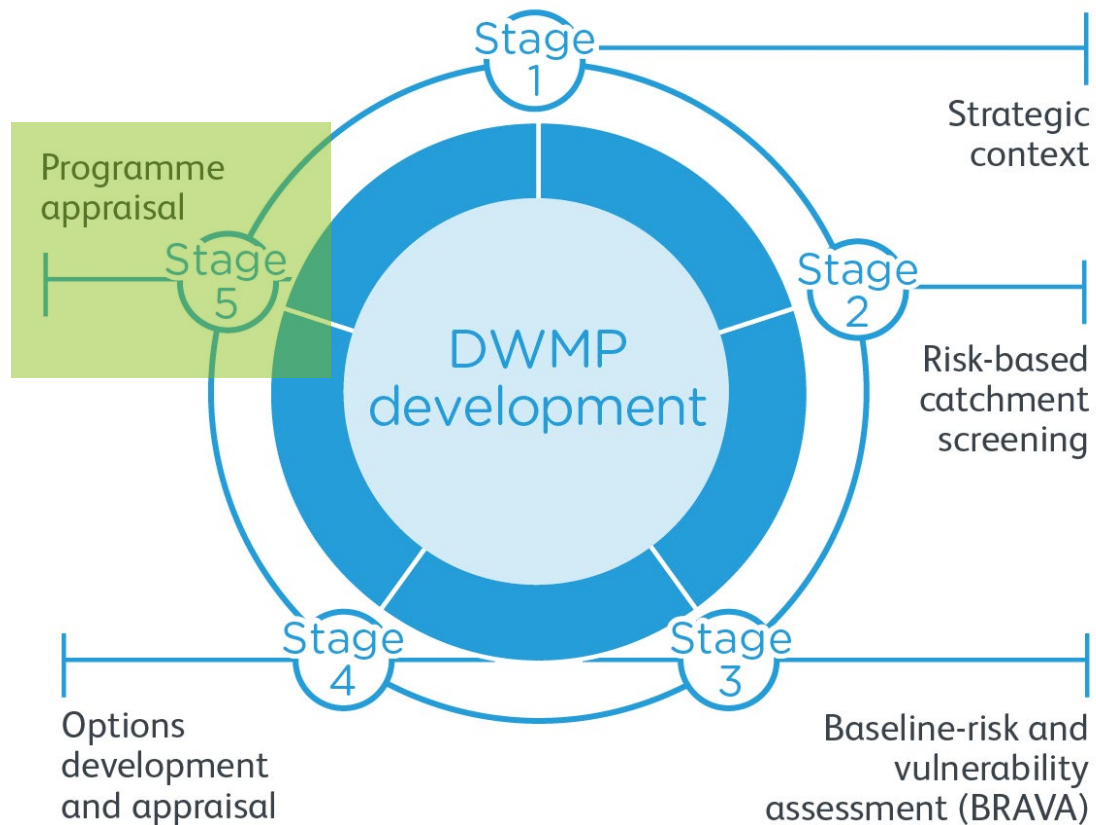
- Multiple regulators
- 13 TRFCC areas
- 54 LLFA's
- 27 catchment partnerships
- 15 million customers

Programme Appraisal and Next Steps

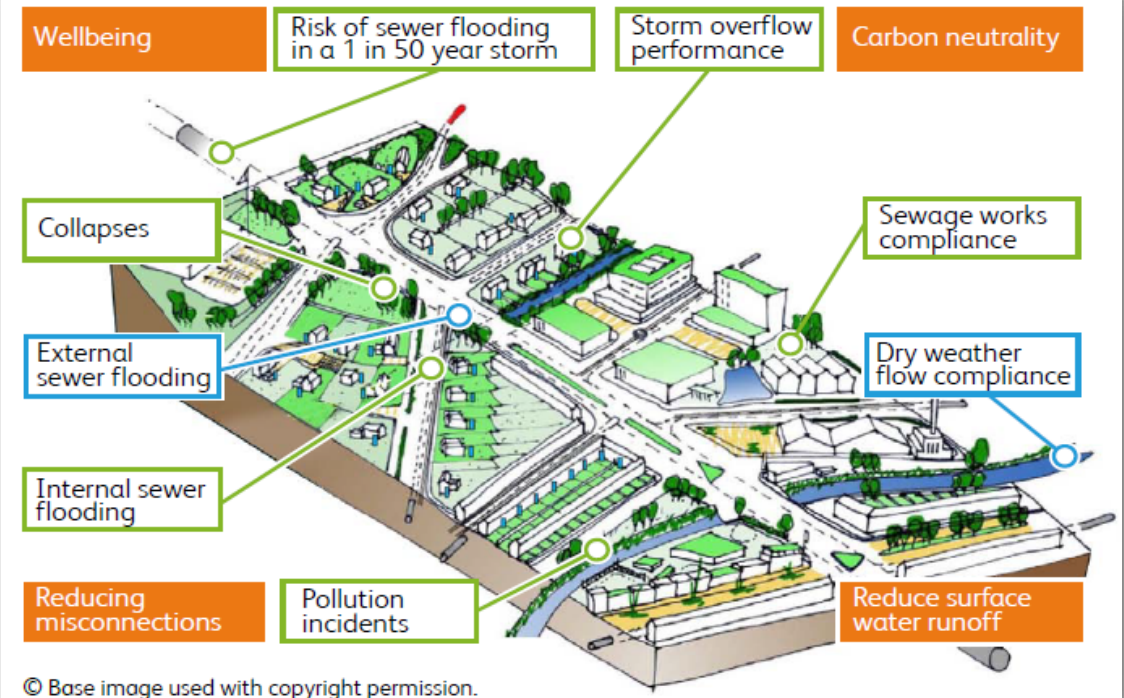
Context

What is the Programme Appraisal stage?

- In this final stage of the DWMP framework we aim to work together to create an optimised 'best value' plan of interventions, approved by our L1 stakeholders, which achieves DWMP planning objectives.

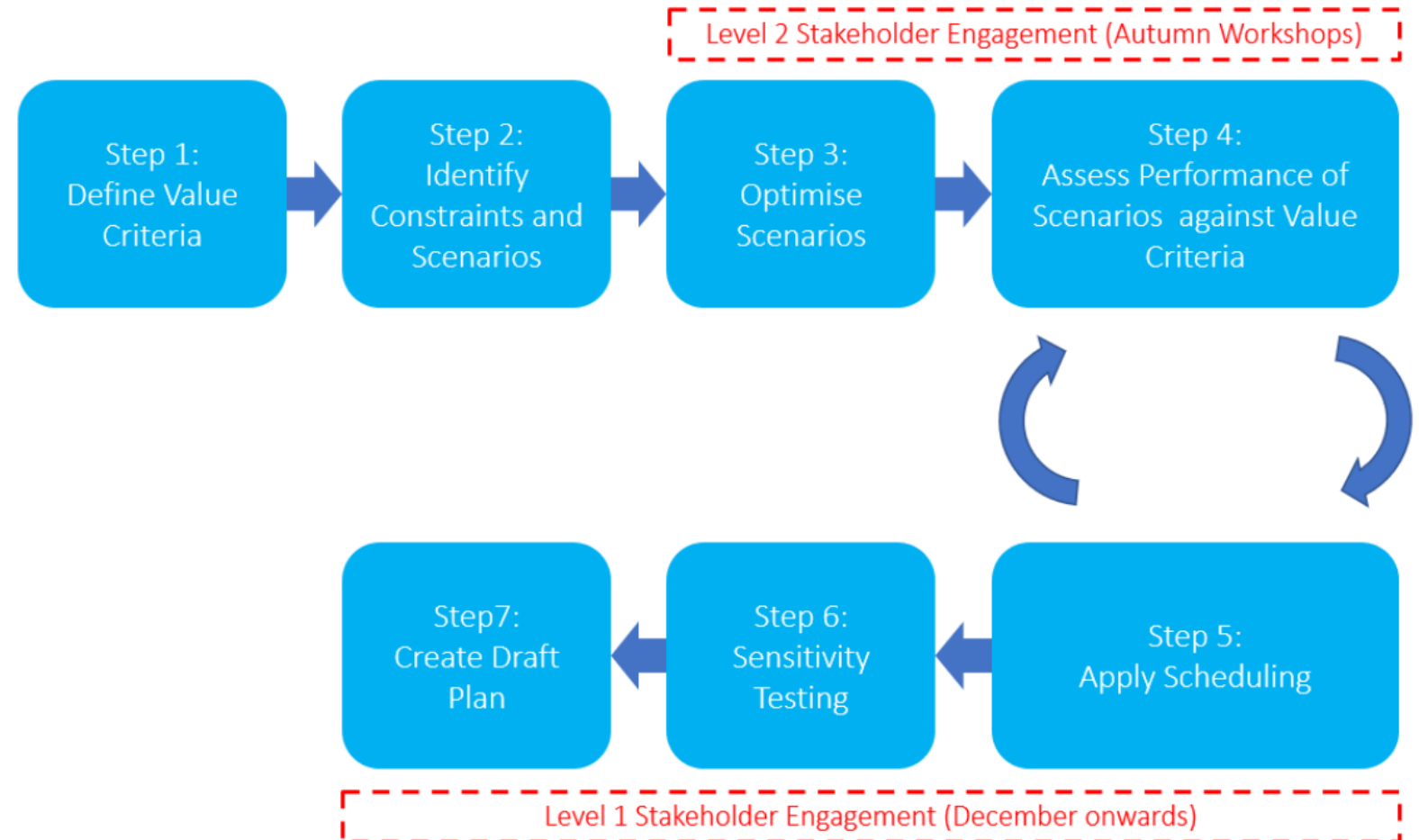


Agreed planning objectives for our DWMP 24



The programme appraisal process

- Programme Appraisal can also be termed 'Plan balancing'



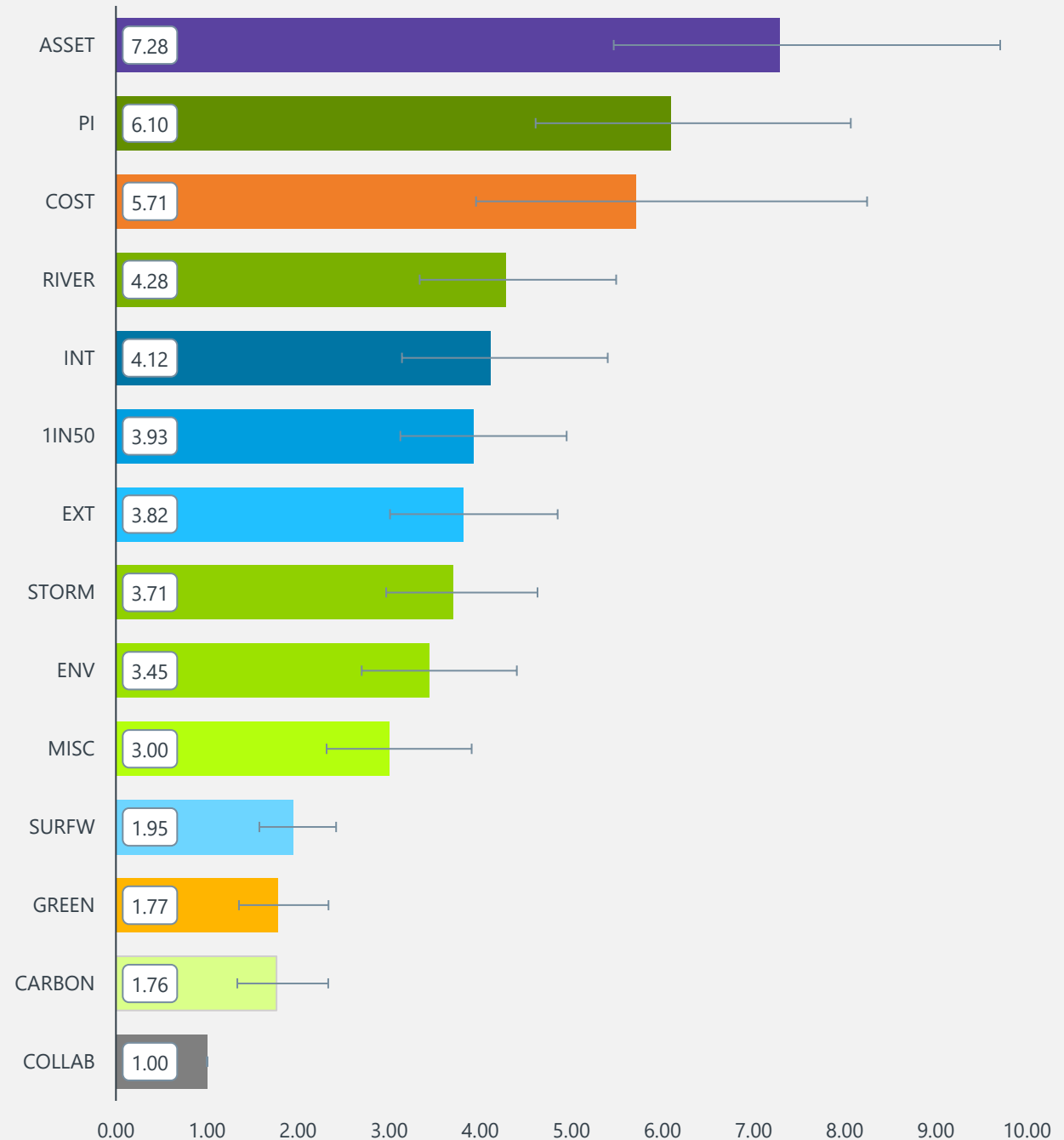
Value Criteria

Based on our planning objectives

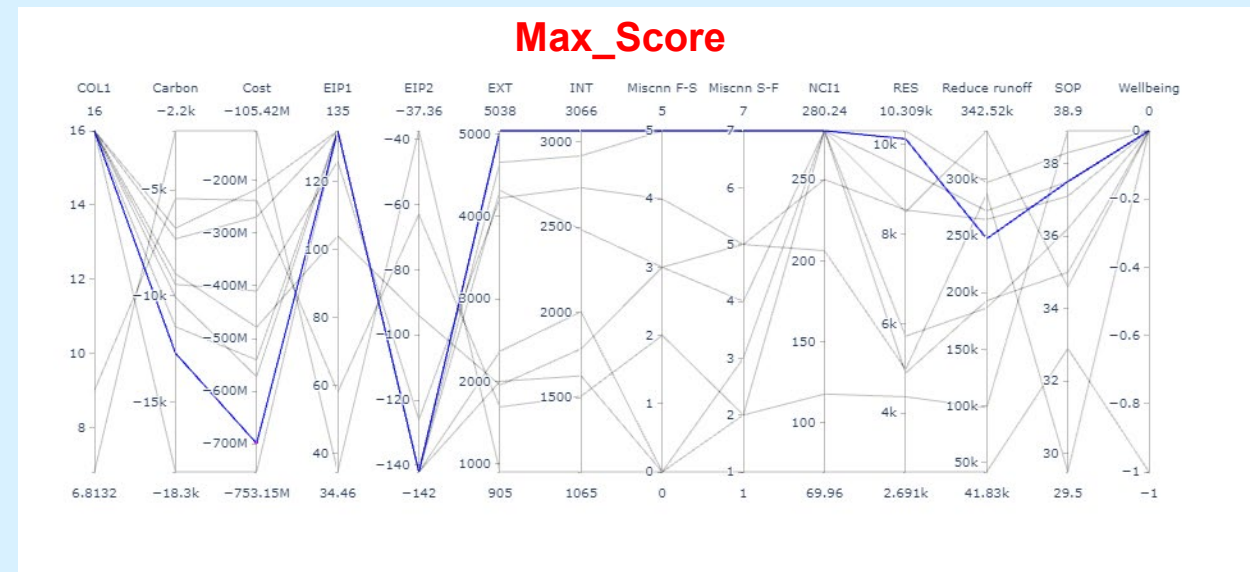
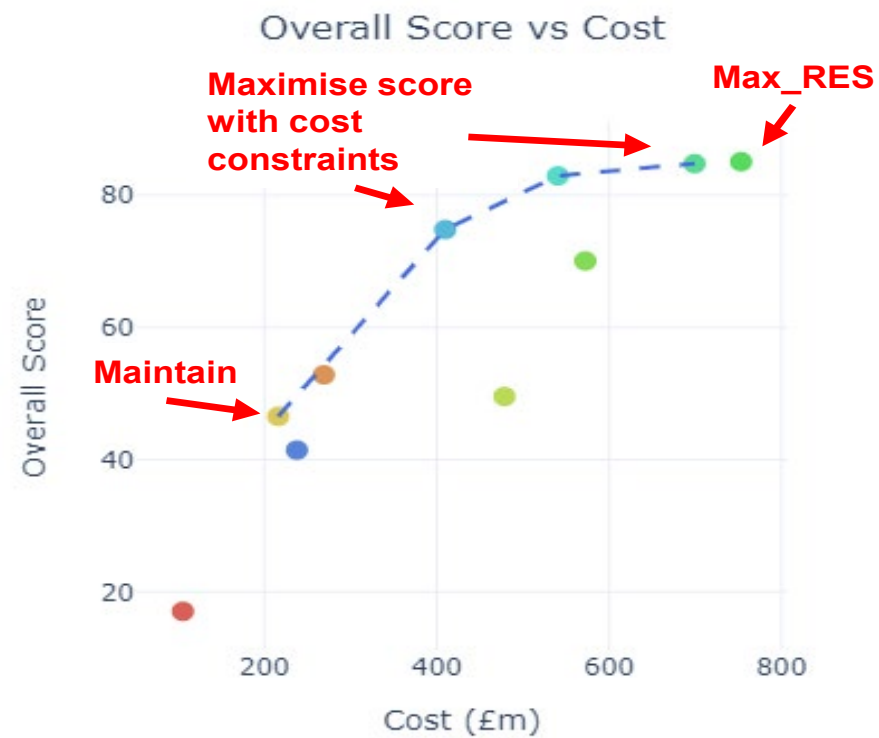
- Cost
 - Reducing surface water runoff (Ha removed)
 - Reducing misconnections
 - Resilience (to 1 in 50 year storm)
 - Storm overflow performance (spills)
 - Treatment works compliance
- Benefits - positive and negative:
 - *Environmental Impact*
 - *Natural Capital*
 - *Wellbeing*
 - Collaboration
 - Carbon
 - Asset health

Scenarios

- Multiple alternative plans are generated in line with the defined scenarios (i.e. minimise cost while achieving targets).
- Plans are compared in terms of performance against each value criteria and combined overall score including criteria weights.
- Plans provide an indication of the range of costs and performance.
- This allows us to engage in discussion around trade-offs where we have a choice over cost and outcomes.



Example outputs



List of scenarios

As is

- Maintain current performance
- Keep bill flat up to 2030
- Keep bills flat up to 2035
- Keep bills flat up to 2050

Suggested additional scenarios

- Meet legal obligations (zero pollution incidents, 100% flow compliance, plus 100% quality compliance).
- Meet higher level of service on sewer flooding – 1 in 100 year storms.
- Meet good environmental outcome with no bill volatility.
- Flat bill scenario and achieve best optimisation.

Targets

- Storm overflows <20 by 2050
- Storm overflows <10 by 2050
- Storm overflows <10 by 2050 in sensitive catchments
- Storm overflows <10 by 2035 in sensitive catchments
- Zero Storm overflows by 2050
- **Storm overflows <10 by 2050 plus enhanced flooding targets**
- Zero storm overflows by 2050 plus enhanced flooding targets

Bold = L1 top priority scenarios

Maximise benefits

- Flooding benefits
- Resilience to 1:50 event
- Reduction in surface water runoff
- Minimise carbon
- Environment Score
- Natural Capital Score
- Collaboration
- Maximise overall score
- Maximise weighted scores

Progressing Programme Appraisal

How we'll work to draft a DWMP

- Outputs of scenario runs to be presented and discussed with L1 stakeholders in early December 2021.
 - L1 stakeholders will help us filter these scenarios down to a shortlist of preferred scenarios.
 - This shortlist will be used to create a first draft of the DWMP prior to end of December 2021.
- Highways England
 - Defra
 - CIRIA
 - TRFCC
 - EA
 - CCWater
 - LoDEG
 - Bucks County Council
 - Ofwat
 - Southeast Rivers Trust
 - Natural England
 - Thames Rivers Trust
 - Port of London Authority
 - Customer challenge group
 - London councils

What happens next

Nov/Dec 21

L2 workshops

L1 Programme
Appraisal
session

VERSION 1

Jan/Feb 22

L1 finalise draft
DWMP

VERSION 2

Mar – May 22

L2 'Keeping in
touch' session
– TBC

VERSION 3

Feb – June 22

Board sign off

Prep for
consultation



Thank you

Please keep in touch over the coming months.
You can contact us at: DWMP@thameswater.co.uk