

A photograph of a woman and two children. The woman is in the background, looking down at a glass of water held by a young girl in the foreground. Another child is visible on the right side of the frame, looking towards the camera. The scene is set indoors with soft lighting.

Smart metering

October 2024



Water without worry

Water for the North West

Water sustainability in the Northwest

It is important that we manage water consumption to ensure that we have a **sustainable supply for future generations, while protecting the environment from over-abstraction.**

There are significant and growing pressures on water resources

There has been a **30%** increase in England's population from 1961 to 2021

It is expected a further million people will live in the North West by 2050.

Individual water use in the home has increased by over **60%** since the 1960s ¹

By 2050; Summers will be **18%** drier and Winters will be **13%** wetter ²

Water without worry

¹ Waterwise Water Efficiency Strategy 2022

² The future climate of North West England
The University of Manchester, June 2022

Water Resources Management Plan

Our WRMP defines our strategy to achieve a long-term, best value and sustainable plan for water supplies. It ensures that we have an adequate supply to meet demand over the 25 years from 2020 to 2045, whilst ensuring that our supply system is resilient to drought.



The **Environment Agency** supports the Per Capita Consumption and leakage targets set out in our draft WRMP and have asked that UU assess the feasibility of delivering further on these and / or faster.

National targets water companies are committing to

Through various mechanisms water companies are being asked to **reduce water requirements**

Our long-term company targets are in line with national policy:

Leakage target

50% (~224 ML/d) reduction by 2050
(compared to 2017 levels ~449 ML/d)

Per Capita Consumption target

110 litres/person/day by 2050

Non-Household Consumption target

15% reduction by 2050
9% reduction by 2038

Delivering a glide path to achieve these targets will likely get **harder and more expensive**. UU is also financially penalised for missing its targets.

Low Reservoirs in 2021

The UU network relies on reservoirs. These are filled through precipitation. Thus long term dry weather can lead to water shortages.



Being able to balance supply and demand over the next 25 years in a sustainable and economic way will be key to water resilience

Four streams of work totalling c920k smart meters in AMP8

Reactive – 28day SLA

Pro-active

Free Meter Option (FMO)



15k per year
76k in AMP8

- This is customer driven demand predominantly driven by main billing.
- Internal and external fits
- Anywhere in our region
- Peak period Jan - April

Reactive exchanges



7.5k per year
38k in AMP8

- Fix on fail
- Mixture of Households and Businesses
- Exchanges, chamber repairs, lid replacements etc

Household Enhanced Metering



127k per year
635k in AMP8

- Pro-active street by street installations.
- Mixture of exchanges (217k) and new installations (418k)
- New installations will be external digs in the footpath

Non House Hold (NHH) Exchanges



34k per year
171k in AMP8

- Majority of businesses already have a meter
- Varying sizes and locations
- Appointments needed to limit impact on businesses

A Strong Partnership is going to be critical for our success

We are procuring one strategic partner to provide:

Meter Asset

The water meter device plus any associated comms hub, fixtures and fittings

Comms Network

An AMI network to be used to share consumption data into UU architecture

Installation Services

A labour force to install the meters, survey, oversee traffic management, permits and reinstatement

Asset Warranty

Failure provision for meter assets and any associated parts/costs of exchange

Meter Communication Options



A combination of comms technologies will provide Smart coverage across the North West (TBC following contract award)



Closed Network

Procurement Timeline

Best & Final Offer
Received 27/09

Contract
Signature 15/11

September

October

November

Contract
Award 23/10

SLP/Developer Impact for procurement & installation

Existing

SLP procures directly from Diehl on UU framework



Lloyds Registered/Accredited SLP
Installs meter & field reports all details

Possible options

X

SLP procures directly from Smart Partner



Lloyds Registered/Accredited SLP
Installs meter & field reports all details

Y

SLP procures directly from Smart Partner



Lloyds Registered/Accredited SLP
Installs meter & field reports all details

Z

SLP procures directly from Smart Partner



Lloyds Registered/Accredited SLP
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