

The Pollution Reduction Incident Plan 2020

March 2020



YorkshireWater

Project name and description	Asset type	Value (Yr 1) £M	Expected pollution reduction benefit (Yr 1)	Accountable role
Combined Sewer Overflow Maintenance Plan - we have recently insourced a huge amount of resource and activity including over 250 people and 140 vehicles which will help provide an improved CSO maintenance service	Combined Sewer Overflow	TBC	1	Operational Strategy Manager
Intelligent Alarm Management - Review of regional telemetry system monitoring process'	Data & Technology	TBC	0.8	Operational Strategy Manager
Lateral CCTV Vans Trials (4 CCTV Units) - trial of innovating sewer camera technology for investigation purposes	Data & Technology	0.2	7	Operational Strategy Manager
6 Additional Recyclers vehicles - Will be utilised to drive additional proactive activity on the network.	Foul / Combined Sewer	TBC	TBC	Operational Strategy Manager
Asset improvement - providing solutions to a number of known risks to resolution, the total number of 80 schemes is made up of ISF, ESF and Pollution risks	Foul / Combined Sewer	15.0	21	Network Asset Planning Manager
CFS Operational Support Team - Creation of an operation support function within CFS to help improve fix first time solutions	Foul / Combined Sewer	0.5	TBC	Operational Strategy Manager
Colleague Health, Safety and Wellbeing - Rollout of the HSE&W plan including adherence to vehicle and tool checks, ensure colleagues continue to be safe and well	Foul / Combined Sewer	TBC	TBC	Operational Strategy Manager
Community Champions - Employ new customer champions to work with and educate domestic customers in high risk areas on what can and cannot be put down the sewers and the resultant impacts.	Foul / Combined Sewer	0.4	4	Operational Strategy Manager





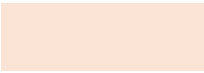



Project name and description	Asset type	Value (Yr 1) £M	Expected pollution reduction benefit (Yr 1)	Accountable role
Pollution Desilts - Proactive cleaning of gravity network assets with known risk	Foul / Combined Sewer	2.0	0	Network Asset Planning Manager
Pollution mitigation investment - Pollution mitigation investment challenge (PMIC). Investment and process to fast track capital investment to resolve pollution risks	Foul / Combined Sewer	2.0	12.6	Network Asset Planning Manager
Pollution Proactive Sweep Jetting - Proactive jetting of known manholes and sewer lengths with known risk	Foul / Combined Sewer	0.5	TBC	Network Asset Planning Manager
Proactive CCTV Planning & Repair - High risk sewers to be CCTV surveyed and defects found prioritised and resolved	Foul / Combined Sewer	7.9	21.6	Network Asset Planning Manager
Sewer Network Telemetry - Embedding process to predict and prevent pollution utilising the loggers installed at known risks areas on the network	Foul / Combined Sewer	0.0	12	Technical Support Manager
Training/Embedded learning - Pollution response focused training for new and existing colleagues as part of our competency framework	Foul / Combined Sewer	TBC	1.2	Operational Strategy Manager
Workforce management and availability - Development of a process and associated system to capture and report fleet availability to inform planning and scheduling to optimise response	Foul / Combined Sewer	TBC	TBC	Operational Strategy Manager
Fast Track Civils - identification of high-risk remedial works to be fast tracked through our prioritisation process'	Operational Excellence	0.2	TBC	Operational Strategy Manager

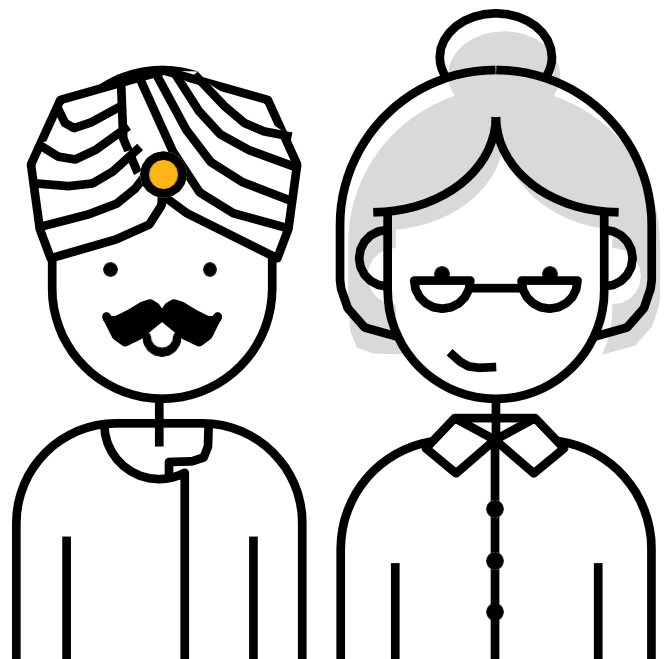
Project name and description	Asset type	Value (Yr 1) £M	Expected pollution reduction benefit (Yr 1)	Accountable role
Rising Main Investigations - Further proactive investigations of high-risk rising mains to identify burst risks	Rising Mains	1.0	0	Network Asset Planning Manager
Rising Main Repairs - Repairs of high-risk rising mains already identified in AMP6 Yr 5 and those identified in Yr 1 AMP7	Rising Mains	3.4	3.4	Network Asset Planning Manager
91 Private to Public (P2P) schemes - All P2P sewage pumping stations to be made safe and serviceable.	Sewage Pumping Stations	9.7	0	Network Asset Planning Manager
Sewage Pumping Station Condition Plan - Survey the condition of high risk SPS sites and raise and resolve any defects identified.	Sewage Pumping Stations	0.1	5.4	Project Delivery Manager
Sewage Pumping Station Reach Out Technology - Installation of remote reach out devices on high risk sewage pumping stations to enable remote control and resets. Operational process to be embedded.	Sewage Pumping Stations	NA	4.5	Project Delivery Manager
Sewage Pumping Station Rising Main Pressure and Flow Monitors - Monitors on key assets to predict failures include embedding the response process.	Sewage Pumping Stations	TBC	6.4	Project Delivery Manager
Sewage Pumping Station Wet Well cleans - Cleaning programme on SPS wet wells at a set frequency to prevent pump blockages.	Sewage Pumping Stations	0.5	5.4	Project Delivery Manager
Sewage Treatment Works investment - specific asset risks awaiting programme approval for investment with Pollution benefit	Sewage Treatment Works	TBC	1	Wastewater Asset Planning Manager

Project name and description	Asset type	Value (Yr 1) £M	Expected pollution reduction benefit (Yr 1)	Accountable role
Contingency planning - Create plans for vulnerable assets to be stored centrally so that they can be enacted, as well as develop a case to procure site specific equipment to support the plans.	Sewage Treatment Works	NA	1.5	Project Delivery Manager
Pollution Investment Process - The project aims to improve the quality investment decision making across Wastewater, to ensure that best overall solutions are achieved, as well as speedy resolution to issues which affect performance.	Sewage Treatment Works	NA	TBC	Wastewater Asset Planning Manager
Sewage Treatment Works Wet Well cleaning - Additional cleaning on STW wet wells and lane cleaning to prevent pump blockages and improve energy efficiency.	Sewage Treatment Works	0.6	7.6	Project Delivery Manager
Sewage Treatment Works Visibility - Installation of 77 monitors at STW sites to enable more predictive capabilities and control.	Sewage Treatment Works	NA	6.1	Project Delivery Manager
Trade Effluent Control - Project focused on preventing failures at STWs through improved trade effluent control.	Sewage Treatment Works	NA	1	Technical Support Manager
Training/Embedded learning - Pollution focuses training with colleagues on above ground assets to ensure that actions are fully closed out and lessons learned are effectively embedded.	Sewage Treatment Works	NA	4.9	Technical Support Manager
Site Drainage - Map and create site drainage plans across Sewage Treatment Works to enable effective management of site runoff.	Sewage Treatment Works	NA	1	Project Delivery Manager

Project name and description	Asset type	Value (Yr 1) £M	Expected pollution reduction benefit (Yr 1)	Accountable role
Network visibility	Water Distribution	TBC	TBC	Planning Manager Clean Networks
Pollution prevention kits	Water treatment works	0.1	0	Planning Manager Clean Water
Site Drainage - Map and create site drainage plans across Water Treatment Works to enable effective management of site runoff.	Water treatment works	TBC	TBC	Planning Manager Clean Water

Key

	Combined Sewer Overflow
	Data & Technology
	Foul / Combined Sewer
	Operational Excellence
	Rising Mains
	Sewage Pumping Stations
	Sewage Treatment Works
	Water Distribution/Water treatment works



yorkshirewater.com

Yorkshire Water Services Limited, Western House,
Halifax Road, Bradford, BD6 2SZ. Registered in
England and Wales No.2366682



YorkshireWater