## Inflow and Infiltration Reduction Program 2022 to 2030

2022	Public Cost (\$)	Private Cost (\$)	Total Cost (\$)
	160.000		160.000
CCTV Mainline Smoke testing and flow monitoring	160,000 50,000		160,000 50,000
onoxe testing and now monitoring	50,000		50,000
Year total	210,000	-	210,000
2022			
2023 CCTV of laterals and main line	30,000		30,000
Carry out combined manhole/sewer abandonments	30,000		30,000
Flow Monitoring	50,000		50,000
Phase 1 - Colville target replacement program	1,000,000	200,000	1,200,000
Year total	1,110,000	200,000	1,310,000
2024	20.000		20.000
CCTV of laterals and main line Flow Monitoring	30,000 50,000		30,000 50,000
Phase 1 - Uganda Catchment target replacement program	1,200,000	230,000	1,430,000
			-
Year total	1,280,000	230,000	1,510,000
2025			
CCTV of laterals and main line	30,000		30,000
Flow Monitoring	50,000		50,000
Phase 1 - Forshaw Catchment target replacement program	1,400,000	230,000	1,630,000
Veartetal	1,480,000	230,000	1,710,000
Year total	1,480,000	230,000	1,710,000
2026			
CCTV of laterals and main line	30,000		30,000
Flow Monitoring	50,000	150.000	50,000
Phase 1 - Kinver Catchment target replacement program	1,200,000	150,000	1,350,000
Year total	1,280,000	150,000	1,430,000
2027 CCTV of laterals and main line	30,000		30,000
Flow Monitoring	50,000		50,000
Phase 2 - Devonshire Catchment target replacement program	1,200,000	150,000	1,350,000
Year total	1,280,000	150,000	1,430,000
	<b>1,280,000</b>	150,000	1,430,000
2028		150,000	
2028 CCTV of laterals and main line Flow Monitoring	<b>1,280,000</b> 30,000 50,000	150,000	30,000
2028 CCTV of laterals and main line	30,000	150,000	30,000 50,000
2028 CCTV of laterals and main line Flow Monitoring Phase 2 - Forshaw Catchment target replacement program	30,000 50,000 1,200,000	150,000	30,000 50,000 1,350,000
2028 CCTV of laterals and main line Flow Monitoring	30,000 50,000		30,000 50,000 1,350,000
2028 CCTV of laterals and main line Flow Monitoring Phase 2 - Forshaw Catchment target replacement program Year total 2029	30,000 50,000 1,200,000 1,280,000	150,000	30,000 50,000 1,350,000
2028 CCTV of laterals and main line Flow Monitoring Phase 2 - Forshaw Catchment target replacement program Year total 2029 CCTV of laterals and main line	30,000 50,000 1,200,000 1,280,000 30,000	150,000	30,000 50,000 1,350,000 1,430,000 30,000
2028 CCTV of laterals and main line Flow Monitoring Phase 2 - Forshaw Catchment target replacement program Year total 2029 CCTV of laterals and main line Flow Monitoring	30,000 50,000 1,200,000 1,280,000 30,000 50,000	150,000 150,000	30,000 50,000 1,350,000 1,430,000 30,000 50,000
2028 CCTV of laterals and main line Flow Monitoring Phase 2 - Forshaw Catchment target replacement program Year total 2029 CCTV of laterals and main line	30,000 50,000 1,200,000 1,280,000 30,000	150,000	30,000 50,000 1,350,000 1,430,000 30,000 50,000
2028 CCTV of laterals and main line Flow Monitoring Phase 2 - Forshaw Catchment target replacement program Year total 2029 CCTV of laterals and main line Flow Monitoring	30,000 50,000 1,200,000 1,280,000 30,000 50,000	150,000 150,000	30,000 50,000 1,350,000 1,430,000 30,000 50,000 1,350,000
2028 CCTV of laterals and main line Flow Monitoring Phase 2 - Forshaw Catchment target replacement program Year total CCTV of laterals and main line Flow Monitoring Phase 2 - Uganda Catchment target replacement program Year total Year total	30,000 50,000 1,200,000 1,280,000 30,000 50,000 1,200,000	150,000 150,000 150,000	30,000 50,000 1,350,000 1,430,000 30,000 50,000 1,350,000
2028 CCTV of laterals and main line Flow Monitoring Phase 2 - Forshaw Catchment target replacement program Year total CCTV of laterals and main line Flow Monitoring Phase 2 - Uganda Catchment target replacement program Year total 2030	30,000 50,000 1,200,000 1,280,000 30,000 50,000 1,200,000 1,280,000	150,000 150,000 150,000	30,000 50,000 1,350,000 1,430,000 30,000 50,000 1,350,000 1,430,000
2028 CCTV of laterals and main line Flow Monitoring Phase 2 - Forshaw Catchment target replacement program Year total CCTV of laterals and main line Flow Monitoring Phase 2 - Uganda Catchment target replacement program Year total Year total	30,000 50,000 1,200,000 1,280,000 30,000 50,000 1,200,000	150,000 150,000 150,000	30,000 50,000 1,350,000 1,430,000 30,000 1,350,000 1,430,000 30,000
2028 CCTV of laterals and main line Flow Monitoring Phase 2 - Forshaw Catchment target replacement program Year total CCTV of laterals and main line Flow Monitoring Phase 2 - Uganda Catchment target replacement program Year total 2030 CCTV of laterals and main line CCTV of laterals and main line	30,000 50,000 1,200,000 1,280,000 30,000 50,000 1,200,000 1,280,000 30,000	150,000 150,000 150,000	30,000 50,000 1,350,000 1,430,000 30,000 1,350,000 1,430,000 30,000 50,000
2028         CCTV of laterals and main line         Flow Monitoring         Phase 2 - Forshaw Catchment target replacement program         Year total         2029         CCTV of laterals and main line         Flow Monitoring         Phase 2 - Uganda Catchment target replacement program         Year total         2030         CCTV of laterals and main line         Flow Monitoring         Phase 2 - Uganda Catchment target replacement program         Year total         2030         CCTV of laterals and main line         Flow Monitoring         Phase 2 - Kinver Catchment target replacement program	30,000 50,000 1,200,000 1,280,000 30,000 1,200,000 1,280,000 30,000 30,000 1,200,000	150,000 150,000 150,000 150,000 150,000	30,000 50,000 1,350,000 1,430,000 30,000 1,350,000 1,430,000 30,000 50,000 1,350,000
2028 CCTV of laterals and main line Flow Monitoring Phase 2 - Forshaw Catchment target replacement program Year total CCTV of laterals and main line Flow Monitoring Phase 2 - Uganda Catchment target replacement program Year total CCTV of laterals and main line Flow Monitoring CCTV of laterals and main line	30,000 50,000 1,200,000 1,280,000 30,000 50,000 1,280,000 1,280,000 30,000 50,000	150,000 150,000 150,000 150,000	30,000 50,000 1,350,000 1,430,000 30,000 1,350,000 1,430,000 30,000 50,000 1,350,000
2028         CCTV of laterals and main line         Flow Monitoring         Phase 2 - Forshaw Catchment target replacement program         Year total         2029         CCTV of laterals and main line         Flow Monitoring         Phase 2 - Uganda Catchment target replacement program         Year total         2030         CCTV of laterals and main line         Flow Monitoring         Phase 2 - Uganda Catchment target replacement program         Year total         2030         CCTV of laterals and main line         Flow Monitoring         Phase 2 - Kinver Catchment target replacement program	30,000 50,000 1,200,000 1,280,000 30,000 1,200,000 1,280,000 30,000 30,000 1,200,000	150,000 150,000 150,000 150,000 150,000	30,000 50,000 1,350,000 1,430,000 50,000 1,350,000 1,430,000 50,000 1,350,000 1,350,000
2028 CCTV of laterals and main line Flow Monitoring Phase 2 - Forshaw Catchment target replacement program Year total 2029 CCTV of laterals and main line Flow Monitoring Phase 2 - Uganda Catchment target replacement program Year total 2030 CCTV of laterals and main line Flow Monitoring Phase 2 - Kinver Catchment target replacement program Year total Year total	30,000 50,000 1,200,000 1,280,000 30,000 1,200,000 1,280,000 30,000 50,000 1,200,000 1,280,000 1,280,000	150,000 150,000 150,000 150,000 150,000	30,000 50,000 1,350,000 1,430,000 30,000 1,350,000 1,430,000 30,000 1,350,000 1,350,000 1,350,000 1,430,000
2028         CCTV of laterals and main line         Flow Monitoring         Phase 2 - Forshaw Catchment target replacement program         Year total         2029         CCTV of laterals and main line         Flow Monitoring         Phase 2 - Uganda Catchment target replacement program         Year total         2030         CCTV of laterals and main line         Flow Monitoring         Phase 2 - Uganda Catchment target replacement program         Year total         2030         Vear total         Year total         Year total         Phase 2 - Kinver Catchment target replacement program         Year total         Program totals (25% of private laterals require work)	30,000 50,000 1,200,000 1,280,000 30,000 1,200,000 1,200,000 1,200,000 1,200,000 1,280,000 1,280,000 10,480,000	150,000 150,000 150,000 150,000 150,000 150,000 1,128,000	1,430,000 30,000 1,350,000 1,350,000 1,430,000 30,000 1,430,000 1,430,000 1,430,000 1,350,000 1,350,000 1,350,000 1,350,000 11,608,000 11,890,000 12,242,500