

Section: K Investment Plan

Table	2	Summary - Outputs
Line	K2.1	Strategic Capacity - Water Treatment [WG1]

Line Definition: The outputs associated with meeting or offsetting changes in demand from new and existing water customers, whilst maintaining existing levels of service.

Processing Rule: Input

Field Type: Input

Previous References: Ofwat 07: WICS 06:

Table	2	Summary - Outputs
Line	K2.2	Strategic Capacity - Wastewater Treatment [SG1]

Line Definition: The outputs associated with meeting or offsetting changes in demand from new and existing wastewater customers, whilst maintaining existing levels of service.

Processing Rule: Input

Field Type: Input

Previous References: Ofwat 07: WICS 06:

Section: K Investment Plan

Table	2	Summary - Outputs
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Line	K2.3	Strategic Water Network Capacity (Infrastructure Charge) [WG5]
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Line Definition: The growth outputs associated with the income received from Infrastructure charges to ensure that strategic assets within the water network contain a sufficient level of capacity to meet future demand.

Processing Rule: Input

Field Type: Input

Previous References: Ofwat 07: WICS 06:

Pe	-
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Table	2	Summary - Outputs
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Line	K2.4	Strategic Wastewater Network Capacity (Infrastructure Charge) [SG5]
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Line Definition: The growth outputs associated with the income received from Infrastructure charges to ensure that strategic assets within the wastewater network contain a sufficient level of capacity to meet future demand.

Processing Rule: Input

Field Type: Input

Previous References: Ofwat 07: WICS 06:

Pe	-
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Table	2	Summary - Outputs
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Line	K2.5	Number of Zones with reduced lead levels to meet the standard [DW1A]
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Line Definition: The outputs associated with compliance with lead standard of 10mg/l set in EC Directive 98/83 on the quality of water intended for human consumption.

Processing Rule: Input

Field Type: Input

Previous References: Ofwat 07: - WICS 06: New Line

nr	-
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Section: K Investment Plan

Table	2	Summary - Outputs
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Line	K2.6	Number of treatment works improved to meet drinking water quality standards [DW3]
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Line Definition: The outputs associated with compliance with the Drinking Water Directive 98/83/EC including standards specified in the Water Supply (Water Quality) (Scotland) Regulations 2001.

Processing Rule: Input

Field Type: Input

Previous References: Ofwat 07: WICS 06:

<input type="text" value="nr"/>	<input type="text" value="-"/>
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Table	2	Summary - Outputs
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Line	K2.7	Length of mains rehabilitated (including flushing & swabbing) to improve drinking water quality [DW5]
-------------	-------------	---

Line Definition: The outputs associated with ensuring that the quality of water put into supply does not exceed the iron and manganese standards set in Directive 98/83/EC.

Processing Rule: Input

Field Type: Input

Previous References: Ofwat 07: WICS 06:

<input type="text" value="Km"/>	<input type="text" value="-"/>
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Table	2	Summary - Outputs
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Line	K2.8	Number of DMA's subject to water quality investigations [DW5A]
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Line Definition: The outputs associated with studying the most beneficial approach to comply with iron and manganese standards.

Processing Rule: Input

Field Type: Input

Previous References: Ofwat 07: WICS 06:

<input type="text" value="nr"/>	<input type="text" value="-"/>
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Section: K Investment Plan

Table	2	Summary - Outputs
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Line	K2.9	Number of tanker fill points installed [DW8]
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Line Definition: The outputs associated with the reducing the reliance on mutual aid during emergencies by the provision of emergency tanker fill-points.

Processing Rule: Input

Field Type: Input

Previous References: Ofwat 07: WICS 06:

<input type="text" value="nr"/>	<input type="text" value="-"/>
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Table	2	Summary - Outputs
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Line	K2.10	Number of sites with increased physical security [DW9]
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Line Definition: The outputs associated with ensuring that additional physical security arrangements are in place in accordance with guidance issued by Security Services.

Processing Rule: Input

Field Type: Input

Previous References: Ofwat 07: WICS 06:

<input type="text" value="nr"/>	<input type="text" value="-"/>
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Table	2	Summary - Outputs
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Line	K2.11	Type A Raw Water Supplies provided with treatment [DW10]
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Line Definition: The outputs required to ensure that all private (Type A) raw water supplies meet standards set in Directive.

Processing Rule: Input

Field Type: Input

Previous References: Ofwat 07: WICS 06:

<input type="text" value="nr"/>	<input type="text" value="-"/>
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Section: K Investment Plan

Table	2	Summary - Outputs
Line	K2.12	Number of WwTW with Backflow prevention devices installed [DW11]

Line Definition: The number of assets that need investing in to ensure compliance with Water Fittings Byelaws.

Processing Rule: Input

Field Type: Input

Previous References: Ofwat 07: WICS 06:

Table	2	Summary - Outputs
Line	K2.13	Number of WTW receiving improved disinfection control [DW13]

Line Definition: The number of works requiring investment to ensure improvements in aesthetic quality of drinking water.

Processing Rule: Input

Field Type: Input

Previous References: Ofwat 07: WICS 06:

Table	2	Summary - Outputs
Line	K2.14	Number of zones covered with Water safety plans [DW16]

Line Definition: The number of Water safety plans required to be carried out to comply with the standards in the EC Directives.

Processing Rule: Input

Field Type: Input

Previous References: Ofwat 07: WICS 06:

Section: K Investment Plan

Table	2	Summary - Outputs
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Line	K2.15	Number of WTW with reduced Cryptosporidium risk [DW23]
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Line Definition: The number of works that require investment to reduce the risk of cryptosporidium in the water supply.

Processing Rule: Input

Field Type: Input

Previous References: Ofwat 07: WICS 06:

nr	<input type="text" value="-"/>
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Table	2	Summary - Outputs
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Line	K2.16	Number of raw water sampling points provided to comply with WFD [DW24]
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Line Definition: The number of sampling facilities to monitor raw water quality to comply with requirements of WFD Article 7.

Processing Rule: Input

Field Type: Input

Previous References: Ofwat 07: WICS 06:

nr	<input type="text" value="-"/>
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Table	2	Summary - Outputs
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Line	K2.17	Lead communications pipe survey completed
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Line Definition: The number of survey undertaken to establish the location of lead communication pipes.

Processing Rule: Input

Field Type: Input

Previous References: Ofwat 07: WICS 06:

nr	<input type="text" value="-"/>
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Section: K Investment Plan

Table	2	Summary - Outputs
Line	K2.18	Number of water resource zones with company Level of Service restored (excluding 7 stage) [WG4]

Line Definition: The number of sites requiring investment to ensure an appropriate level of physical security according to the Security Service Standards and to improve the level of service in water supply zones to avoid conditions of a 1 in 40 year return (not subject to the seven stage process).

Processing Rule: Input

Field Type: Input

Previous References: Ofwat 07: WICS 06:

Table	2	Summary - Outputs
Line	K2.19	Number of UIDs improved to meet new standard (excluding 7 stage) [EC01B, EC03B, EC10B]

Line Definition: The number of intermittent discharges (not subject to the seven stage process) improved to comply with The Urban Waste Water Treatment Directive (91/271/EEC), The Shellfish Waters Directive (70/923/EEC), and The Water Framework Directive (2000/60/EC).

Processing Rule: Input

Field Type: Input

Previous References: Ofwat 07: WICS 06:

Section: K Investment Plan

Table	2	Summary - Outputs
Line	K2.20	Number of legislative requirements met through improved WwTW discharges [EC01A, EC03A, EC04A, EC10A]

Line Definition: The number of continuous discharges improved at wastewater treatment works to comply with The Urban Waste Water Treatment Directive (91/271/EEC), The Shellfish Waters Directive (70/923/EEC), The Freshwater for Fish Directive (78/659/EEC), and The Water Framework Directive (2000/60/EC).

Processing Rule: Input

Field Type: Input

Previous References: Ofwat 07: WICS 06:

Table	2	Summary - Outputs
Line	K2.21	First time provision of wastewater treatment [SG3]

Line Definition: The number of sites where the provision of new sewerage and sewage treatment facilities will be put in place for existing properties.

Processing Rule: Input

Field Type: Input

Previous References: Ofwat 07: WICS 06:

Section: K Investment Plan

Table	2	Summary - Outputs
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Line	K2.22	Number of WwTW discharges improved to meet existing licence standards [WQ01]
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Line Definition: The number of treatment works requiring investment to comply with The Water Environment and Water Services Act 2003 (Secondary legislation to replace Control of Pollution Act 1974, Section 34).

Processing Rule: Input

Field Type: Input

Previous References: Ofwat 07: WICS 06:

nr	-
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Table	2	Summary - Outputs
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Line	K2.23	Number of WwPS improved to meet existing licence conditions [WQ01C]
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Line Definition: The number of wastewater pumping stations requiring investment to comply with The Water Environment and Water Services Act 2003 (Secondary legislation to replace Control of Pollution Act 1974, Section 34).

Processing Rule: Input

Field Type: Input

Previous References: Ofwat 07: WICS 06:

nr	-
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Table	2	Summary - Outputs
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Line	K2.24	Number of surface water systems improved [EC09B,EC10D]
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Line Definition: The number of improvements to surface water outfalls to comply with The Water Framework Directive (2000/60/EC) and The Dangerous Substances Directive (76/464/EEC).

Processing Rule: Input

Field Type: Input

Previous References: Ofwat 07: WICS 06:

nr	-
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Section: K Investment Plan

Table	2	Summary - Outputs
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Line	K2.25	Number of dual manhole systems improved [EC01C,EC04D]
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Line Definition: The number of dual manhole improvements to comply with The Urban Waste Water Treatment Directive (91/271/EEC) and The Freshwater for Fish Directive (78/659/EEC).

Processing Rule: Input

Field Type: Input

Previous References: Ofwat 07: WICS 06:

<input type="text" value="nr"/>	<input type="text" value="-"/>
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Table	2	Summary - Outputs
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Line	K2.26	Number of sludge treatment facilities improved to comply with safe sludge matrix [EC06]
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Line Definition: The number of assets requiring investment to comply with The Sludge Use in Agriculture Directive (86/278/EEC).

Processing Rule: Input

Field Type: Input

Previous References: Ofwat 07: WICS 06:

<input type="text" value="nr"/>	<input type="text" value="-"/>
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Table	2	Summary - Outputs
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Line	K2.27	Number of WwTW brought into compliance with non-sanitary requirements [WQ01A]
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Line Definition: The number of treatment works requiring investment to comply with The Water Environment and Water Services Act 2003 (Secondary legislation to replace Control of Pollution Act 1974, Section 34).

Processing Rule: Input

Field Type: Input

Previous References: Ofwat 07: WICS 06:

<input type="text" value="nr"/>	<input type="text" value="-"/>
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Section: K Investment Plan

Table	2	Summary - Outputs
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Line	K2.28	Number of wastewater network asset brought into compliance with non-sanitary requirements [WQ01B]
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Line Definition: The number of wastewater network assets requiring investment to comply with The Water Environment and Water Services Act 2003 (Secondary legislation to replace Control of Pollution Act 1974, Section 34).

Processing Rule: Input

Field Type: Input

Previous References: Ofwat 07: WICS 06:

nr	-
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Table	2	Summary - Outputs
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Line	K2.29	Number of environmental studies undertaken [EC01D,EC03C,EC04C,EC07C,EC08C,EC10E,NH01A,SG3,EC16,WR1A, WR2B]
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Line Definition: The number of environmental studies to study potential improvements to unsatisfactory intermittent discharges.

Processing Rule: Input

Field Type: Input

Previous References: Ofwat 07: WICS 06:

nr	-
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Table	2	Summary - Outputs
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Line	K2.30	Number of asset covered by flooding risk assessments [CS16W & CS16S]
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Line Definition: The number of risk assessments required to be completed to comply with the recent 2009 Flooding Bill.

Processing Rule: Input

Field Type: Input

Previous References: Ofwat 07: WICS 06:

nr	-
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Section: K Investment Plan

Table	2	Summary - Outputs
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Line	K2.31	Number of WwTW where malodour is reduced [CS2]
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Line Definition: The number of Wastewater treatment works where it has been agreed to reduce malodour problems.

Processing Rule: Input

Field Type: Input

Previous References: Ofwat 07: WICS 06:

nr	-
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Table	2	Summary - Outputs
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Line	K2.32	Number of PFI WWTWs where malodour is reduced [CS2]
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Line Definition: The number of PFI sites where there will be investment too reduce malodour.

Processing Rule: Input

Field Type: Input

Previous References: Ofwat 07: WICS 06:

nr	-
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Table	2	Summary - Outputs
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Line	K2.33	Number of properties removed from the low pressure register [CS1]
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Line Definition: The total number of properties that will be removed from the low pressure register.

Processing Rule: Input

Field Type: Input

Previous References: Ofwat 07: WICS 06:

nr	-
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Section: K Investment Plan

Table	2	Summary - Outputs
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Line	K2.34	Number of properties removed from the low pressure register (Exclusions under Water (Scotland) Act 1980) [CS1A]
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Line Definition: The total number of properties that will be removed from the low pressure register. (Exclusions under Water (Scotland) Act 1980).

Processing Rule: Input

Field Type: Input

Previous References: Ofwat 07: WICS 06:

nr	<input type="text" value="-"/>
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Table	2	Summary - Outputs
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Line	K2.35	Number of properties/areas alleviated from external sewer flooding risk [CS15]
-------------	--------------	--

Line Definition: The number of properties that will be removed from the external flooding risk register.

Processing Rule: Input

Field Type: Input

Previous References: Ofwat 07: WICS 06:

nr	<input type="text" value="-"/>
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Table	2	Summary - Outputs
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Line	K2.36	Number of assets protected from flood risk [CS16W]
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Line Definition: The number of critical assets protected from flooding in compliance with the Flood Risk Management (Scotland) Act 2009.

Processing Rule: Input

Field Type: Input

Previous References: Ofwat 07: WICS 06:

nr	<input type="text" value="-"/>
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Section: K Investment Plan

Table	2	Summary - Outputs
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Line	K2.37	Number of climate change studies [CC3,CC4,CC5,CC6]
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Line Definition: The number of studies implemented to determine the most appropriate way to reduce carbon emission from Scottish Water's activities by 42% by 2020 and 80% by 2050, in compliance with the Climate Change Act (Scotland) 2009.

Processing Rule: Input

Field Type: Input

Previous References: Ofwat 07: WICS 06:

nr	<input type="text" value="-"/>
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Table	2	Summary - Outputs
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Line	K2.38	Renewable power generation capacity provided. [CC1W]
-------------	--------------	--

Line Definition: The amount of Giga Watt Hours produced though renewable energy initiatives to comply with the Climate Change Act (Scotland) 2009.

Processing Rule: Input

Field Type: Input

Previous References: Ofwat 07: WICS 06:

GWh	<input type="text" value="-"/>
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Table	2	Summary - Outputs
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Line	K2.39	Number of UIDs improved to meet new standard (under 7 stage)[EC04B,EC10B]
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Line Definition: The number of unsatisfactory intermittent discharges improved in the Glasgow catchments to comply with both the Freshwater for Fish Directive (78/659/EEC) and the Water Framework Directive (2000/60/EC).

Processing Rule: Input

Field Type: Input

Previous References: Ofwat 07: WICS 06:

nr	<input type="text" value="-"/>
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Section: K Investment Plan

Table	2	Summary - Outputs
Line	K2.40	Number of water resource zones with company Level of Service restored (under 7 stage) [WG4]

Line Definition: The number of water resource zones restored for the improvement to Supply/Demand balance towards policy Level of Service over and above delivery of SRELL.
 These improvements should fully estimate the opportunities to address supply deficit through leakage control and demand management activities.

Processing Rule: Input

Field Type: Input

Previous References: Ofwat 07: WICS 06:

Table	2	Summary - Outputs
Line	K2.41	Number of opportunistic lead pipe replacements undertaken [DW1B]

Line Definition: The number of opportunistic lead pipe replacement undertaken to comply with lead standard of 10mg/l set in EC Directive 98/83 on the quality of water when the opportunity arises whilst carrying out other capital investment work.

Processing Rule: Input

Field Type: Input

Previous References: Ofwat 07: WICS 06:

Section: K Investment Plan

Table	2	Summary - Outputs
Line	K2.42	Number of customer requested lead pipe replacements undertaken [DW1C]

Line Definition: The number of customer-requested lead pipe replacements undertaken to comply with lead standard of 10mg/l set in EC Directive 98/83 on the quality of water intended for human consumption: reduce the amount of lead supply pipes at customer's request.

Processing Rule: Input

Field Type: Input

Previous References: Ofwat 07: WICS 06:

nr	-
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Table	2	Summary - Outputs
Line	K2.43	Number Type B (customer requested) Raw Water Supplies provided with treatment [DW10]

Line Definition: The number of type B properties provided with treatment systems in compliance with the Private Water Supplies Scotland Regulations 2006.

Processing Rule: Input

Field Type: Input

Previous References: Ofwat 07: WICS 06:

nr	-
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Table	2	Summary - Outputs
Line	K2.44	Number of models to support flooding bill [CS16S]

Line Definition: The number of models implemented to support the flooding bill.

Processing Rule: Input

Field Type: Input

Previous References: Ofwat 07: WICS 06:

nr	-
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Section: K Investment Plan

Table	2	Summary - Outputs
Line	K2.45	Creation of external sewer flooding register [CS17]

Line Definition: The register created to record sewer flooding incidents.

Processing Rule: Input

Field Type: Input

Previous References: Ofwat 07: WICS 06:

Item	<input type="text" value="-"/>
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Table	2	Summary - Outputs
Line	K2.46	Encouraging Section 29E opportunities [CS18S]

Line Definition: The number of opportunities that have been developed under Section 29E in accordance to the Water Service Scotland Act 2005.

Processing Rule: Input

Field Type: Input

Previous References: Ofwat 07: WICS 06:

tbc	<input type="text" value="-"/>
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Table	2	Summary - Outputs
Line	K2.47	Incentivising developers to adopt water efficiency measures [CS18W]

Line Definition: The number of measures taken to motivate developers to adopt water efficiency in new and refurbished housing.

Processing Rule: Input

Field Type: Input

Previous References: Ofwat 07: WICS 06:

tbc	<input type="text" value="-"/>
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Section: K Investment Plan

Table	2	Summary - Outputs
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Line	K2.48	Pilot household metering trials [CS19]
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Line Definition: The number of household metering trials across Scotland, including establishing the potential impact on water use.

Processing Rule: Input

Field Type: Input

Previous References: Ofwat 07: WICS 06:

tbc	-
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Table	2	Summary - Outputs
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Line	K2.49	Strengthening the regulatory framework [CS20]
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Line Definition: The outputs associated with the development of a regulatory framework which enables the accounting separation of the water network and the water treatment functions and the same separation on the waste water side.

Processing Rule: Input

Field Type: Input

Previous References: Ofwat 07: WICS 06:

tbc	-
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Table	2	Summary - Outputs
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Line	K2.50	Sustainable solutions to Cryptosporidium
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Line Definition: The number of catchments, by agreement with the drinking water quality regulator, where sustainable approaches to reduce the risk of cryptosporidium will be trialled.

Processing Rule: Input

Field Type: Input

Previous References: Ofwat 07: WICS 06:

tbc	-
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Section: K Investment Plan

Table	2	Summary - Outputs
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Line	K2.51	Permanent lowest cost solution to Dalmuir WwTW (PFI)
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Line Definition: The output associated with ensuring compliance at Dalmuir Wastewater Treatment Works.

Processing Rule: Input

Field Type: Input

Previous References: Ofwat 07: WICS 06:

<input type="text" value="tbc"/>	<input type="text" value="-"/>
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Table	2	Summary - Outputs
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Line	K2.52	Improve disinfection control for 4m people
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Line Definition: The people benefited by the improvement of disinfection control.

Processing Rule: Input

Field Type: Input

Previous References: Ofwat 07: WICS 06:

<input type="text" value="Pe"/>	<input type="text" value="-"/>
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Table	2	Summary - Outputs
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Line	K2.53	Water resource zones with reduced abstraction
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Line Definition: The number of water resource zones with reduced abstraction by the improvement of disinfection control.

Processing Rule: Input

Field Type: Input

Previous References: Ofwat 07: WICS 06:

<input type="text" value="nr"/>	<input type="text" value="-"/>
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Section: K Investment Plan

Table	2	Summary - Outputs
Line	K2.54	Number of flood studies undertaken

Line Definition: The number of flood studies taken as required in the Q&S IIIa period.

Processing Rule: Input

Field Type: Input

Previous References: Ofwat 07: WICS 06:

Table	2	Summary - Outputs
Line	K2.55	Sites with increased security

Line Definition: The remaining number of sites requiring increased security as required in the Q&S IIIa period.

Processing Rule: Input

Field Type: Input

Previous References: Ofwat 07: WICS 06:

Table	2	Summary - Outputs
Line	K2.56	Unsatisfactory intermittent discharges improved

Line Definition: The remaining number of unsatisfactory intermittent discharges requiring improved as required in the Q&S IIIa period.

Processing Rule: Input

Field Type: Input

Previous References: Ofwat 07: WICS 06:

Section: K Investment Plan

Table	2	Summary - Outputs
Line	K2.57	Wastewater treatment works discharges improved to meet new consent standards

Line Definition: The remaining number of wastewater treatment works discharges requiring improved as required in the Q&S IIIa period.

Processing Rule: Input

Field Type: Input

Previous References: Ofwat 07: WICS 06:

Table	2	Summary - Outputs
Line	K2.58	First time provision projects to meet environmental objectives in the directions

Line Definition: The remaining number of first time provision projects requiring completion as required in the Q&S IIIa period.

Processing Rule: Input

Field Type: Input

Previous References: Ofwat 07: WICS 06:

Table	2	Summary - Outputs
Line	K2.59	Wastewater treatment works upgraded to meet existing consent requirements

Line Definition: The remaining number of wastewater treatment work upgrades requiring completion as required in the Q&S IIIa period.

Processing Rule: Input

Field Type: Input

Previous References: Ofwat 07: WICS 06:

Section: K Investment Plan

Table	2	Summary - Outputs
Line	K2.60	Works where odour problem is addressed

Line Definition: The remaining number of wastewater treatment work requiring odour improvements as required in the Q&S IIIa period.

Processing Rule: Input

Field Type: Input

Previous References: Ofwat 07: WICS 06: