

Section E Operating Costs and Efficiency

Table 3 PPP Project Analysis

E3.0	Name	Text	
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Data Definition: Name of scheme.

Processing Rules: Input field.

Field Type: Input

Previous References:

Ofwat 07	-	WICS 06	E3.0
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E3.1	Annual average resident connected population	000	1dp
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Data Definition: The annual average resident population connected to the sewerage system draining to the sewage treatment works.

Processing Rules: Input field. Column 'Total' is the sum of all inputs.

Field Type: Input/Calculated

Previous References:

Ofwat 07	-	WICS 06	E3.1
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E3.2	Annual average non-resident connected population	000	1dp
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Data Definition: Include the holiday and tourist population connected to the sewerage system in each area, average over the year. Do not include allowance for daily commuters.

Processing Rules: Input field. Column 'Total' is the sum of all inputs.

Field Type: Input/Calculated

Previous References:

Ofwat 07	-	WICS 06	E3.2
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E3.3	Population equivalent of total load received	000	0dp
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Data Definition: The average equivalent population of the total load received by the treatment works during the year.

Processing Rules: Input field. Column 'Total' is the sum of all inputs.

Field Type: Input/Calculated

Previous References: Ofwat 07 WICS 06

E3.4	Sewerage	1/0	
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Data Definition: Scope of project includes sewerage works.

Processing Rules: Input field.

Field Type: Input

Previous References: Ofwat 07 WICS 06

E3.5	Sewage Treatment	1/0	
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Data Definition: Scope of project includes sewage treatment works.

Processing Rules: Input field.

Field Type: Input

Previous References: Ofwat 07 WICS 06

E3.6	Sludge Treatment	1/0	
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Data Definition: Scope of project includes sludge treatment works.

Processing Input field.

Rules:

Field Type: Input

Previous References: Ofwat 07 WICS 06

E3.7	Terminal Pumping Station	1/0	
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Data Definition: Scope of project includes terminal pumping station.

Processing Input field.

Rules:

Field Type: Input

Previous References: Ofwat 07 WICS 06

E3.8	Other (state details)	1/0	
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Data Definition: Scope of project includes other works (give details).

Processing Input field.

Rules:

Field Type: Input

Previous References: Ofwat 07 WICS 06

E3.9	Suspended solids consent	mg/l	0dp
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Data Definition: The value of the effluent consent standard with respect to suspended solids.

Processing Rules: Input field.

Field Type: Input

Previous References: Ofwat 07 WICS 06

E3.10	BOD consent	mg/l	0dp
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Data Definition: The value of the effluent consent standard with respect to the Biochemical Oxygen Demand5.

Processing Rules: Input field.

Field Type: Input

Previous References: Ofwat 07 WICS 06

E3.11	COD consent	mg/l	0dp
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Data Definition: The value of the effluent consent standard with respect to the Chemical Oxygen Demand, if applicable at the works in question.

Processing Rules: Input field.

Field Type: Input

Previous References: Ofwat 07 WICS 06

E3.12	Ammonia consent	mg/l	0dp
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Data Definition: The value of the effluent consent standard with respect to ammonia, if applicable at the works in question.

Processing Rules: Input field.

Field Type: Input

Previous References: Ofwat 07 WICS 06

E3.13	Phosphate consent	mg/l	0dp
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Data Definition: The value of the effluent consent standard with respect to phosphorous, if applicable at the works in question.

Processing Rules: Input field.

Field Type: Input

Previous References: Ofwat 07 WICS 06

E3.14	Compliance with effluent consent standard	%	0dp
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Data Definition: The percentage compliance with the number of sanitary determinands tested from the effluent discharge. This should be calculated as follows: STW compliance = 1- (number of failures for sanitary determinands / total number of sanitary determinands tested).

Processing Rules: Input field.

Field Type: Input

Previous References: Ofwat 07 WICS 06

E3.15	Primary	1/0	
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Data Definition: The presence of primary treatment at the works in question, as defined under the common definitions.

Processing Rules: Input field.

Field Type: Input

Previous References: Ofwat 07 WICS 06

E3.16	Secondary activated sludge	1/0	
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Data Definition: The presence of secondary activated sludge treatment at the works in question, as defined under the common definitions.

Processing Rules: Input field.

Field Type: Input

Previous References: Ofwat 07 WICS 06

E3.17	Secondary biological	1/0	
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Data Definition: The presence of secondary biological treatment at the works in question, as defined under the common definitions.

Processing Rules: Input field.

Field Type: Input

Previous References: Ofwat 07 WICS 06

E3.18	Tertiary A1	1/0	
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Data Definition: The presence of tertiary A1 treatment at the works in question, as defined under the common definitions (Table E8).

Processing Rules: Input field.

Field Type: Input

Previous References: Ofwat 07 WICS 06

E3.19	Tertiary A2	1/0	
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Data Definition: The presence of tertiary A2 treatment at the works in question, as defined under the common definitions (Table E8).

Processing Rules: Input field.

Field Type: Input

Previous References: Ofwat 07 WICS 06

E3.20	Tertiary B1	1/0	
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Data Definition: The presence of tertiary B1 treatment at the works in question, as defined under the common definitions (Table E8).

Processing Rules: Input field.

Field Type: Input

Previous References: Ofwat 07 WICS 06

E3.21	Tertiary B2	1/0	
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Data Definition: The presence of tertiary B2 treatment at the works in question, as defined under the common definitions (Table E8).

Processing Rules: Input field.

Field Type: Input

Previous References:

Ofwat 07	-	WICS 06	E3.31
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E3.22	Total length of sewer	km	2dp
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Data Definition: The length of sewer in each area, including gravity sewers, rising mains, and combined sewers. Exclude lateral sewers which should be reported in the accompanying Commentary.

Processing Rules: Input field.

Field Type: Input

Previous References:

Ofwat 07	-	WICS 06	E3.47
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E3.23	Length of critical sewer	km	2dp
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Data Definition: Length of critical sewer in each area.

Processing Rules: Input field.

Field Type: Input

Previous References:

Ofwat 07	-	WICS 06	E3.48
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E3.24	Number of pumping stations	nr	0dp
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Data Definition: For these purposes a pumping station is defined, as an individual site (i.e. not an individual pump). Include both foul, combined and stormwater pumping stations situated at treatment works (and exclude inter-stage pumping).

Processing Rules: Input field.

Field Type: Input

Previous References: Ofwat 07 WICS 06

E3.25	Capacity of pumping stations (m³/d)	m ³ /day	0dp
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Data Definition: Total peak hydraulic pumping capacity of pumping stations (as defined in E3.24).

Processing Rules: Input field.

Field Type: Input

Previous References: Ofwat 07 WICS 06

E3.26	Capacity of pumping stations (kw)	kw	0dp
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Data Definition: The total installed pumping capacity of pumping stations (including standby pumps) in operation during the report year for each distribution area. Include foul, combined and stormwater pumping stations. Exclude terminal sewage pumping stations situated at treatment works (and exclude interstage pumping).

Processing Rules: Input field.

Field Type: Input

Previous References: Ofwat 07 WICS 06

E3.27	Number of combined pumping stations	nr	0dp
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Data Definition: As for line E3.24 but include only pumping stations receiving combined sewage.

Processing Rules: Input field.

Field Type: Input

Previous References: Ofwat 07 WICS 06

E3.28	Capacity of combined pumping stations (m³/d)	m ³ /day	0dp
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Data Definition: As for line E3.25 but include only pumping stations receiving combined sewage.

Processing Rules: Input field.

Field Type: Input

Previous References: Ofwat 07 WICS 06

E3.29	Number of stormwater pumping stations	nr	0dp
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Data Definition: As for line E3.24 but include only pumping stations receiving only stormwater.

Processing Rules: Input field.

Field Type: Input

Previous References: Ofwat 07 WICS 06

E3.30	Capacity of stormwater pumping stations (m³/d)	m³/day	0dp
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Data Definition: As for line E3.25 but include only pumping stations receiving only stormwater.

Processing Rules: Input field.

Field Type: Input

Previous References: Ofwat 07 WICS 06

E3.31	Number of combined sewer overflows	nr	0dp
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Data Definition: The total number of combined sewer overflows on the sewerage system. Those at sewage treatment works should be excluded, as should emergency overflows.

Processing Rules: Input field.

Field Type: Input

Previous References: Ofwat 07 WICS 06

E3.32	Number of combined sewer overflows (screened)	nr	0dp
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Data Definition: The total number of combined sewer overflows on the sewer system, which are screened.

Processing Rules: Input field.

Field Type: Input

Previous References: Ofwat 07 WICS 06

E3.33	Farmland Untreated	ttds	0dp
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Data Definition: The amount of sewage sludge in thousands of tonnes of dry solids (ttds) which is disposed to farmland, untreated. Untreated sewage will have received no form of treatment designed to reduce its pathogen content. The sludge may be thickened and/or de-watered to facilitate transportation.

Processing Rules: Input field. Column 'Total' is the sum of all inputs.

Field Type: Input/Calculated

Previous References: Ofwat 07 WICS 06

E3.34	Farmland Conventional	ttds	0dp
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Data Definition: The amount of sewage sludge in thousands of tonnes of dry solids (ttds) which is disposed to farmland, conventionally treated. "Conventionally treated" sewage sludge is that which has undergone processes designed to reduce the amount of E. Coli present by no less than 99% (a 2 log reduction).

Processing Rules: Input field. Column 'Total' is the sum of all inputs.

Field Type: Input/Calculated

Previous References: Ofwat 07 WICS 06

E3.35	Farmland Advanced	ttds	0dp
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Data Definition: The amount of sewage sludge in thousands of tonnes of dry solids (ttds) which is disposed to farmland, advanced treated. "Advanced" treated sewage is that which has undergone processes designed to reduce the amount of E. Coli present by no less than 99.9999% (a 6 log reduction).

Processing Rules: Input field. Column 'Total' is the sum of all inputs.

Field Type: Input/Calculated

Previous References: Ofwat 07 WICS 06

E3.36	Incineration	ttds	0dp
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Data Definition: The amount of sewage sludge in thousands of tonnes of dry solids (ttds) which is disposed of by incineration.

Processing Rules: Input field. Column 'Total' is the sum of all inputs.

Field Type: Input/Calculated

Previous References: Ofwat 07 WICS 06

E3.37	Landfill	ttds	0dp
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Data Definition: The amount of sewage sludge in thousands of tonnes of dry solids (ttds) which is disposed to landfill.

Processing Rules: Input field. Column 'Total' is the sum of all inputs.

Field Type: Input/Calculated

Previous References: Ofwat 07 WICS 06

E3.38	Composted	ttds	0dp
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Data Definition: The amount of sewage sludge in thousands of tonnes of dry solids (ttds) which is disposed of by means of composting.

Processing Rules: Input field. Column 'Total' is the sum of all inputs.

Field Type: Input/Calculated

Previous References: Ofwat 07 WICS 06

E3.39	Land Reclamation	ttds	0dp
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Data Definition: The amount of sewage sludge in thousands of tonnes of dry solids (ttds) which is disposed of to land reclamation.

Processing Rules: Input field. Column 'Total' is the sum of all inputs.

Field Type: Input/Calculated

Previous References: Ofwat 07 WICS 06

E3.40	Other	ttds	0dp
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Data Definition: The amount of sewage sludge in thousands of tonnes of dry solids (ttds) which is disposed of by any other form of sewage sludge disposal.

Processing Rules: Input field. Column 'Total' is the sum of all inputs.

Field Type: Input/Calculated

Previous References: Ofwat 07 WICS 06