Outcome	Measure	Reference	Data	Report at?	Can ID help with this reporting?	Comments	Data Source
General asset information	Wastewater network information	W-A6	Wastewater imported for treatment from other wastewater network(s) (m3/year)	Organisation	**Yes**	ID can monitor incoming flow meters and provide a summary batch report, covering the annual import and export from the wider network.	Flow meter
		W-A7	Wastewater exported for treatment by another wastewater network (m3/year)	Organisation			
	Wastewater treatment	W-A11	Volume of wastewater treated at treatment plant (average dry weather and peak flows) (m3/year)	Network	**Yes**	ID will automate the volume of wastewater treated, and can break this down against the wet and dry weather events.	Flow meter - inlet and outlet
		W-A12	Volume of trade waste at treatment plant	Network	**Yes**	Assuming that the trade waste disposal point has a flow meter, ID can automatically monitor this data. In the event that a flow meter is not available, a form can be used to collect this data.	Flow meter on discharge point
		W-A13	Volume of septage imported for treatment (m3/year)	Network	**Yes**	ID can track this via flow meters, or forms.	Flow meter on discharge point
		W-A14	Volume of treated wastewater applied to land (m3/year)	Network	**Yes**	ID can actively track the discharge to land, as well as the quality parameters.	Flow meter on irrigation line

Outcome	Measure	Reference	Data	Report at?	Can ID help with this reporting?	Comments	Data Source
Environmental and public health is protected	Wastewater overflows	W-EH21	Number of overflows caused by blockages	Organisation	No	ID could be used to track this via forms, but this would be a manual operation.	Manual form entry
		W-EH22	Number of times that wastewater overflows were caused by plant failure or equipment damage	Organisation	**Yes**	Assuming that there is a flow meter, or a discharge valve that can be monitored via SCADA, ID can use this data to effectively count the number of overflows. These can then be collated into a batch report to capture the annual return.	Flow meter/ Valve
		W-EH23	Number of times that wastewater overflows were caused by capacity being exceeded in the wastewater network	Organisation	**Yes**	ID can use a combination SCADA data and transgression forms to actively track this during the year.	User input and SCADA Data
		W-EH24	Number of times that wastewater overflows were caused by capacity being exceeded in combined wastewater and stormwater pipes/networks	Organisation	**Yes**	ID can use a combination SCADA and weather data to actively track this during the year and show the effect of weather events on the system.	User input and Inflows batch report
		W-EH25	Number of wastewater overflows resulting from causes not identified above	Organisation	**Yes**	This data can be captured in a form.	Form - input from operations teams.
		W-EH26*	Number of wastewater overflows on private properties attributable to service provider.	Organisation	No	This data is best held in the Councils CRM.	
		W-EH31	Number of hours where the treatment plant processes are fully bypassed (hours)	Organisation	**Yes**	Assuming that there is a flow meter, or a discharge valve that can be monitored via SCADA, ID can use this data to effectively measure the start and stop time of the overflow event.	Online condition - i.e. flow, valve state etc
		W-EH40	Number of times that Trade waste consents were breached	Organisation	**Yes**	IDs license manager can actively issue the tradewaste licenses, and then similar to consents - track any non-compliances.	Trade waste module.
		W-EH41	Describe any actions undertaken due to trade waste consent holders breaching consent conditions	Organisation	No	Much of this data will already exist in the councils Asset Management systems. Whilst ID can aggregate this data, it may not add much value in the reporting process.	

Outcome	Measure	Reference	Data	Report at?	Can ID help with this reporting?	Comments	Data Source
Services are reliable	Fault attendance and resolution	W-R1	Median time (hours) to attend to a fault	Organisation	No		
		W-R2	Median time (hours) to resolve a fault	Organisation	No		
	Systems interruption	W-R7	Number of planned interruptions	Organisation	No		
		W-R8	Number of third-party incidents	Organisation	No		
	Asset Conditions	W-R14	% of wastewater pipes that have received a condition grading	Organisation	No		
		W-R15	% of wastewater pipes in poor or very poor condition	Organisation	No		
		W-R16	Average age of wastewater pipes (years)	Organisation	No		
		W-R17	% of the wastewater pipes that have had CCTV inspections carried out in the last five years	Organisation	No		
		W-R18	% of above-ground assets that have received a condition grading	Organisation	No		
		W-R19	% of above-ground assets in poor or very poor condition	Organisation	No		

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Outcome	Measure	Reference	Data	Report at?	Can ID help with this reporting?	Comments	Data Source
Resources are used efficiently	Energy efficiency	W-RE1	Electricity use (kWh)	Network	**Yes**	ID can pull in this data automatically. This data can also be used alongside the other online parameters to give the operations team insights into the efficiency of the plants. Check out our advanced process modules for more detail: https://www.lutra.com/blog/advanced-process-modules	Energy Meter
		W-RE2	Energy use from other fuels (GJ)	Network	**Yes**	ID can monitor this via manual form entries.	Forms - input offline fuels
	Process emissions	W-RE4	Wastewater treatment wetland emissions (tCO2e/yr)	Network	**Yes**	ID can actively track the emissions from a treatment plant, and break these down into the appropriate categories. Please refer to Lutra's case study: https://www.lutra.com/case-studies/dcc-ghg-tracking	Lutra develop the emissions reporting in line with the Water New Zealand Emissions guidelines.
		W-RE5	Wastewater effluent disposal emissions (tCO2e/yr)	Network	**Yes**		
		W-RE6	Wastewater sludge treatment emissions (tCO2e/yr)	Network	**Yes**		
		W-RE7	Wastewater sludge disposal emissions (tCO2e/yr)	Network	**Yes**		
	Biosolids	W-RE9	Production of biosolids (m3)	Network	**Yes**	Much of this data will be collected manually. It can be entered into the ID forms and a batch report can be used to collate this into a final report.	
		W-RE10	% of dry solids in biosolids	Network	**Yes**		
		W-RE11	% disposal of biosolids to onsite stockpile ratio	Network	**Yes**		
		W-RE12	Disposal of biosolids in year to landfill (tonnes)	Network	**Yes**		
		W-RE13	Disposal of biosolids composting and reuse (tonnes)	Network	**Yes**		
		W-RE14	Disposal of biosolids to other routes (tonnes)	Network	**Yes**		
		W-RE15	Last year plant/pond was desludged (if applicable)	Network	**Yes**		