

WATER PERFORMANCE INDICATOR DEFINITIONS

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1 INTRODUCTION

THE COMMISSION'S ROLE

The Essential Services Commission (the Commission) is the economic regulator of the Victorian water sector. One of its regulatory functions is to monitor and to report publicly on the performance of Victorian water businesses.

Monitoring and reporting is important because it provides reliable and consistent information that can be used to:

- inform customers about the performance of their water business
- identify base-line performance and provide incentives for water businesses to improve their own performance over time
- compare water businesses and thereby facilitate competition by comparison, which can encourage water businesses to further improve their performance relative to others
- inform the decision making processes of regulated water businesses, regulatory agencies and Government.

The Commission is responsible for regulating service standards and conditions of supply. In the urban sector, the framework comprises:

• A Customer Service Code (the Code) that imposes a consistent overarching framework for delivering services to both metropolitan and regional urban customers. The Code sets out service obligations for key matters including connection and service provision, charges, handling complaints and disputes, billing, payment of bills, collection of outstanding bills, actions for non-payment including restriction of supply or disconnection, quality of supply, reliability of supply, meters, works and maintenance, and information and administrative arrangements for guaranteed service levels. The Code is available on our website (www.esc.vic.gov.au).

 A separate Trade Waste Customer Service Code that establishes consistent trade waste management requirements for water businesses across Victoria.

THE SCOPE OF THE PERFORMANCE INDICATORS

The water businesses are responsible for providing performance data against key performance indicators specified by the Commission. Performance indicators cover a number of key areas for urban water businesses including:

- Usage, price trends and payment management including the size of household bills, consumption levels, and managing non-payment of bills and customers facing hardship.
- Customer responsiveness and service including customer complaints and call centre performance.
- Network reliability including the reliability, responsiveness to faults and interruptions around water and sewer systems.
- Water quality including drinking water quality and associated complaints.
- Conservation and the environment including levels of effluent and biosolids reuse and recycling, and greenhouse gas emissions.
- Major project status summary report on the status of those major projects scheduled for completion during the pricing period.

The annual performance indicator data is subject to regulatory audit on the reliability of the reported data.

Our performance report includes time series graphs and historical data for each water business for many indicators. This allows a comparison of current performance with historical performance, and a clear indication of performance trends.

PERFORMANCE INDICATOR FRAMEWORK

To facilitate the efficient collection of performance indicator data, the Commission has established the following:

- Water Performance Indicator Definitions this guidance manual provides context for each indicator to assist both the water businesses and regulatory auditors in determining a value for each indicator.
- Water Performance Report Data Collection Template the Commission annually provides the water businesses with a data collection template for their completion.
 The worksheets include monthly and annual data requirements.
- Water Industry Regulatory Audits the Commission requires the reported performance indicator values to be audited. Water businesses nominate an auditor for the Commission's approval. Approved auditors are to conduct the audit in accordance with the Commission's "Guideline for Approving, Conducting & Reporting Operational Audits", and with the Audit Scope provided by the Commission.
- Water Performance Report annually the Commission will publish a report on the performance of the Victorian water businesses that provide water, sewerage and related services to urban customers.

The framework's documents will be reviewed and updated annually. Copies of these documents can be found on our website (www.esc.vic.gov.au).

THE NATIONAL PERFORMANCE INDICATORS

In accordance with the commitment under the National Water Initiative, metropolitan and regional water delivery agencies participate in the annual completion of performance indicators for the Bureau of Meteorology (BOM) in accordance with the National Performance Framework: Urban performance reporting indicators and definitions handbook (NPF), which is updated each year. The Commission's definitions will be consistent with the NPF unless there are specific differences in the state jurisdictional codes, regulations or legal requirements.¹

ESSENTIAL SERVICES COMMISSION

¹ At the time of this report, BOM has not released an updated NPF definition handbook for the 2016-17 reporting period. The Commission's definitions are referenced back to the 2013-14 NPF definition handbook.

COMPLETION OF THE WATER PERFORMANCE REPORT DATA COLLECTION TEMPLATE

For consistent reporting, it is important that the data collection template be completed accurately in accordance with the Water Performance Indicator Definitions, and any specific instructions included with the template.

The following provides an outline of the template's requirements.

Indicator reference	Performance indicator	Split	Coverage	Performance measure	Definition	NPF Reference
ESC reference	Name of indicator and units of measurement	Indicator elements to be reported in the template	Who indicator applies to, i.e. Melbourne Water and/or Regional and Metropolitan. (A) indicates whether the indicator is auditable.	How the ESC will use the indicator to measure performance	A guideline on how to determine or calculate the indicator, including clear definitions for specific relevant terms for each indicator. Where a term is defined in an indicator definition, that term applies for subsequent relevant categories. Green highlights show changes from the prior year's indicator definition.	Any related NPF indicator. Note: The ESC calculation may be different.

The accuracy and reliability of the reported annual data is verified through a regulatory audit. The audit requirements are set out in the Commission's "Guideline for Approving, Conducting & Reporting Operational Audits".

2 INDICATOR DEFINITIONS

Indicator reference	Performance indicator	Split	Coverage	Performance measure	Definition	NPF Reference				
	Baseline Explanatory Data (BED)									
BED 1	Number of water customers (No)	Residential Non-Residential Recycled	Regional and Metropolitan (A)	Context and normalising measure	Water customer – a property which, at the end of the reporting period: is connected to the water business's water system; and receives a fixed and/or usage account. Excluded – a water customer does not include: A body corporate. A property which is rated but is not connected to the water business's water system. In relation to determining whether a connection is residential or non-residential, refer to the property's primary purpose. A tenanted property which is separately metered, and in respect of which, the tenant is liable for water usage counts as one water customer. The owner and the tenant are not separately counted as water customers.	C2, C3, C4				
BED 2	Number of sewerage customers (No)	Residential Non-Residential	Regional and Metropolitan (A)	Context and normalising measure	Sewerage customer – a 'connected property' can be a water customer who is connected to the sewerage system (and is separately billed for sewerage services (fixed and/or usage)). A sewerage customer who is also a trade waste customer counts as one sewerage customer.	C6, C7, C8				

Indicator reference	Performance indicator	Split	Coverage	Performance measure	Definition	NPF Reference
BED 3	Number of waterways and drainage charge customers (No)		Melbourne Water (A)	Context and normalising measure	Drainage customer – a property (No) which receives a waterways and drainage account at the end of the reporting period.	No NPF requirement
BED 4	Number of trade waste customers (No)	Industrial Commercial	Regional and Metropolitan (A)	Context and normalising measure	Trade waste customer – a customer who has entered into a trade waste agreement with the licensee, or has received the business's consent to discharge trade waste to sewer. Note: this does not include 'deemed' trade waste customers, with agreements arising through customer conduct in accordance with clause 4.4 of the Trade Waste Customer Service Code.	No NPF requirement
BED 5	Permanent population served (No)		Regional and Metropolitan	NPF only	Total permanent population – permanent population (No) connected or able to be connected (demographic population) to the water business's system. Information should be derived from the most recently available ABS census data and adjusted for growth.	C1, C5
BED 6	Length of water mains (km)	Water Recycled water	Melbourne Water (A) Regional and Metropolitan (A)	Context and normalising measure	Length of water mains – all the business's water and recycled water mains (km) used to deliver potable and non-potable (regulated supply) water to the customer, in operation at the end of the reporting period. Water – transfer, distribution and reticulation mains for potable and non-potable regulated water (excluding recycled water). Recycled Water – transfers, third pipe distribution and reticulation mains. Length of mains excludes: Property service pipes. Decommissioned assets. Total length of water main – sum water and recycled water mains.	A2

Indicator reference	Performance indicator	Split	Coverage	Performance measure	Definition	NPF Reference
BED 7	Length of sewerage mains (km)		Melbourne Water (A) Regional and Metropolitan (A)	Context and normalising measure	Length of sewer mains – all the water business's sewerage mains (km) in operation at the end of the reporting period. Includes pressure mains. Length excludes: House connection branches. Mains carrying treated effluent or recycled water. Conduits and pipelines downstream from treatment plants.	A5, A6

Indicator reference	Performance indicator	Split	Coverage	Performance measure	Definition	NPF Reference
BED 8	Volume of water sourced (ML)	Surface water Groundwater Desalination (marine) Recycling (internally sourced) Bulk supplier (potable & non-potable) Bulk supplier (recycled)	Melbourne Water (A) Regional and Metropolitan (A)	Total volume of sourced water	Volume of water – the total volume (ML) of potable and non-potable water received from all sources, including surface water (dams, rivers and irrigation channels extraction), groundwater, desalination, bulk supplier and recycled water (including purchased). Surface Water – the total volume (ML) of water (potable and non-potable) abstracted by the water business from surface water sources such as dams, rivers or irrigation channels during the reporting period. Stormwater volumes are excluded. Groundwater – the total volume (ML) of water abstracted from groundwater during the reporting period. To avoid double counting, this excludes volumes sourced from groundwater supplies that have been artificially recharged using sources of water that have been counted elsewhere i.e. from rivers, desalination plants or sewerage plants (recycling). Other forms of artificial recharge (i.e. stormwater) not counted elsewhere are to be included. Desalination – the total volume (ML) of water (potable and non-potable) sourced from marine water desalination plants during the reporting period. Recycling – the total volume (ML) of recycled water sourced from own operations during the reporting period. Water supplied for agribusiness by the business should also be included where potable water (or raw supply to the potable system) would normally be used. Recycled water used on-site within process should be excluded, but include recycled water used on-site external to the treatment process (where it replaces potable water). Bulk supplier – the total volume (ML) of water (potable and non-potable) purchased from another business or entity outside the business's geographic area of responsibility. The volume of water will include water that is subsequently exported (sold) to another business. Bulk supplier (recycled) – the total volume (ML) of recycled water purchased from another business or another entity outside the business's geographic area of responsibility.	W1, W2, W3, W4, W5, W6, W7

Indicator reference	Performance indicator	Split	Coverage	Performance measure	Definition	NPF Reference
BED 9	Volume of water received (ML)		Melbourne Water (A) Regional and Metropolitan (A)	Context and normalising measure	Total volume – the volume (ML) of potable and non-potable water received by the water business from its headworks (including its water treatment plants) and from any wholesaler of water. For example, the volume of water delivered to retailers by Melbourne Water.	W5, W7
BED 10	Metered volume of water delivered to customers (ML)	Residential Non-residential Recycled (Residential and non-residential)	Regional and Metropolitan (A)	Context and normalising measure	Volume of water – the total metered (or estimated equivalent used for billing purposes) volume (ML) of potable and non-potable (regulated) water delivered/supplied to customers from all sources, including residential, commercial, municipal and industrial, and other. Residential – the metered (or estimated equivalent used for billing purposes) volume (ML) of water delivered to residential customers over the reporting period. Non-residential – the metered (or estimated equivalent used for billing purposes) volume (ML) of water delivered to commercial, municipal and industrial properties over the reporting period. Recycled – the metered volume (or estimated equivalent used for billing purposes) (ML) of recycled water delivered to residential and non-residential customers over the reporting period.	W8, W9, W10
BED 11	Volume of bulk water (potable and non- potable) exports (ML)		Melbourne Water (A) Regional and Metropolitan (A)	Context and normalising measure	Volume of bulk water – the total volume (ML) of water (potable and non-potable) sold to another water business or another entity outside this utility's geographic area of responsibility. Does not include recycled water – see BED 12.	W14

Indicator reference	Performance indicator	Split	Coverage	Performance measure	Definition	NPF Reference
BED 12	Volume of bulk recycled water exports (ML)		Melbourne Water (A) Regional and Metropolitan (A)	Context and normalising measure	Volume of bulk recycled water exports – the total volume (ML) of recycled water sold to another water business or another entity outside this utility's geographic area of responsibility.	W15
BED 13	Number of water treatment plants (No)		Melbourne Water Regional and Metropolitan	Context	Water Treatment Plant – the number (No) of "Full Treatment" water treatment plants producing potable water. Includes third party operated and BOOT (build, own, operate and transfer) schemes but excludes secondary disinfection plants. Full treatment – the water treatment plant includes processes to remove colour and/or turbidity as well as providing filtration and disinfection. In addition, it may include processes for taste and/or odour reduction, softening, pH correction and target removal of elements and compound such as iron, manganese, nitrates and pesticides.	A1
BED 14	Volume of sewage collected (ML)	Wholesaler Own treatment plants	Melbourne Water (A) Regional and Metropolitan (A)	Context and normalising measure Sewage collected per property	Volume of Sewage Collected – the total volume (ML) of sewage (including trade waste) delivered by the water business to any wholesaler of sewage treatment services or to its own sewage treatment plants. Total Volume Collected = residential + non-residential + trade waste + other known sources	W16 (BED 14-BED 19), W17, W18
BED 15	Number of sewage treatment plants (No)	Primary Secondary Tertiary	Melbourne Water Regional and Metropolitan	Context and normalising measure	Sewage treatment plants – the number (No) of plants providing sewage services to customers in operation at the end of reporting period. Each plant should only be recorded once corresponding to the highest level of treatment (see BED 16 definitions). Include third party operated and BOOT schemes.	A4

Indicator reference	Performance indicator	Split	Coverage	Performance measure	Definition	NPF Reference
BED 16	Volume of influent sewage treated (ML)	Primary Secondary Tertiary	Melbourne Water (A) Regional and Metropolitan (A)	Context and normalising measure	Influent sewage treated – the net volume (ML) of influent sewage treated at the water business's sewage treatment plants. To avoid double counting, sewage should only be counted on its first pass, based on maximum level of treatment provided and does not include internal recycle or reuse volumes. Primary treatment – the first major treatment to remove settleable solids and suspended matter. Secondary treatment – a biological treatment process to remove (typically 85% to 90%) of the Biological Oxygen Demand (BOD) and influent suspended solids. Tertiary or advanced treatment – designed to further reduce BOD and suspended solids, and to remove nutrients (phosphorus and nitrogen). As the volumes relate to received, not produced, the total volume should equal BED 14 "Own treatment plant" total. Total of Volume Treated (ML) in Treatment Plant Schedule in the reporting template should correlate.	E1, E2, E3
BED 19	Volume of trade waste collected (ML)	Wholesaler Own treatment plants	Regional and Metropolitan (A)	Total volume of trade waste (metered and estimated) delivered to a wholesaler and/or own treatment plants.	Volume of Trade waste – the billable volume (ML) of trade waste from all trade waste customers whether it be metered or estimated. It does not include "deemed" trade waste customers. Does not include the sewage component from trade waste customers. Wholesaler – volume of trade waste received into sewers delivered to a wholesaler's treatment plant (ML). Own treatment plant – volume of trade waste received into sewers delivered to a water business's own treatment plant (ML).	W17

Indicator reference	Performance indicator	Split	Coverage	Performance measure	Definition	NPF Reference
			Water Netwo	ork Reliability and Ef	ficiency (REW)	
REW 1	Number of bursts and leaks (No)	Priority 1 Priority 2 Priority 3	Melbourne Water (A) Regional and Metropolitan (A)	Bursts and leaks per 100km of water main	Burst or leak – the total number (No) of unplanned events in which water (potable and non-potable) is lost that is attributable to failure of a pipe, hydrant, valve, fitting or joint material (being the mains and trunk infrastructure, excluding the mains to meter connections) regardless of cause. A burst or leak may not necessarily result in an interruption or loss of supply. Priority 1 – a burst or leak which causes, or has the potential to cause, substantial damage or harm to customers, water quality, flow rate, property or the environment. Priority 2 – a burst or leak which causes, or has the potential to cause, minor damage or harm to customers, water quality, flow rate, property or the environment. Priority 3 – a burst or leak which is causing no discernible impacts on customers, property or the environment.	A8
REW 2	Total minutes to respond to bursts and leaks (Minutes)	Priority 1 Priority 2 Priority 3	Regional and Metropolitan (A)	Average minutes to respond to priority 1, 2 and 3 bursts and leaks	Minutes to respond – the response time (Minutes) from when the water business is first notified or becomes aware of a burst or leak to the time the water business arrives at the site of the burst or leak. Total Minutes – the cumulative total of minutes to respond to all bursts or leaks.	No NPF requirement

Indicator reference	Performance indicator	Split	Coverage	Performance measure	Definition	NPF Reference
REW 3	Total minutes to rectify bursts and leaks (Minutes)	Priority 1 Priority 2 Priority 3	Regional and Metropolitan (A)	Average minutes taken to fully repair and rectify bursts and leaks	Time to rectify – time (Minutes) from receiving first notification of a burst or leak to rectifying the fault to the required level of service. Rectification time excludes – follow-up site restoration works, such as reinstatement of nature strips, and time elapsed to planned future rectification works. Where interruption is to a drinking water supply, service of potable water must be restored. Potable water should comply with the requirements of the Victorian Safe Drinking Water Act 2003. Rectification – no ongoing risk of damage to infrastructure or to the quality of the water supply. Total Minutes – the cumulative total of minutes to rectify all bursts and leaks.	No NPF requirement
REW 5	Number of water supply interruptions (No)	Planned Unplanned	Regional and Metropolitan (A)	Water supply interruptions per 100km of water main	Water supply interruption – the total number (No) of events causing a total loss of water supply due to any cause. Included: Recycled water interruptions if a supply to a residential property, and where toilet flushes and laundry are not possible. Excluded: Interruptions do not include those caused by bursts or leaks in the property service connection (mains to meter) unless the burst or leak requires the mains to be shut down for repair. Planned interruption – an interruption of supply to a customer for which the water business has provided the required notification of at least two business days in advance in accordance with the code. Unplanned interruption – an interruption of supply to a customer, and the customer has not received a notification or where a planned interruption exceeds the duration estimated.	C17

Indicator reference	Performance indicator	Split	Coverage	Performance measure	Definition	NPF Reference
REW 6	Number of water supply interruptions restored within 5 hours (No)	Planned Unplanned	Regional and Metropolitan (A)	% of water supply interruptions restored within 5 hours	Within 5 hours – Where the loss of water supply is due to the shutdown of a section of water main, the water supply interruption begins when the water supply is shut off and ends when the main is fully recharged. Otherwise, the water supply interruption begins when the water supply is lost and ends when it is fully restored.	No NPF requirement
REW 7	Number of water supply customer- interruptions (No)	Planned Unplanned	Regional and Metropolitan (A)	Average customer- interruption frequency (interruptions per customer)	Water supply customer-interruption – a loss of water supply to an individual customer due to a water supply interruption. For example, a water supply interruption which causes loss of supply to 100 customers is 100 customer-interruptions.	C17
REW 8	Total customer minutes to restore water supply (Minutes)	Planned Unplanned	Regional and Metropolitan (A)	Average duration of water supply interruptions Average customer minutes off supply	Customer Minutes to Restore – the total (Minutes) of all water supply customer-interruptions. For example, a water supply interruption which causes loss of supply to 100 customers and lasts for 150 minutes counts as 15,000 customer minutes to restore water supply (minutes off supply). Calculating duration of Planned Interruptions – duration (Minutes) a customer is without water supply, i.e. from isolation to recommissioning of the water supply. Calculating duration of Unplanned Interruptions – the time (Minutes) from when the water business is first notified or becomes aware that water is no longer available at the customer's premise, to when water supply is restored.	C15
REW 9	Number of customers receiving 1, 2, 3, 4, 5, and 6+ unplanned water supply interruption/s in the year (No)	1 2 3 4 5 6+	Regional and Metropolitan (A)	Number of customers receiving 1, 2, 3, 4,5, and 6+ interruptions in a year as a % of total customers	Total customer unplanned interruptions – the accumulation (No) of individual unplanned interruptions a water customer has experienced in the 12 month reporting period. Each customer experiencing an unplanned interruption is assigned according to the cumulative number of interruptions they incurred, either: 1, 2, 3, 4, 5, or 6+ (6 or more) interruptions. The total of all splits should equal the total of all unplanned water supply customer-interruptions (REW 7 – unplanned)	No NPF requirement

Indicator reference	Performance indicator	Split	Coverage	Performance measure	Definition	NPF Reference
REW 10	Number of residential water customer- interruptions exceeding 5 hours (No)	Planned Unplanned	Regional and Metropolitan (A)	Number of residential customers affected by planned and unplanned interruptions greater than 5 hours	Interruptions exceeding 5 hours – the total number (No) of planned and unplanned residential customer-interruptions lasting longer than 5 hours in the 12 month reporting period (see REW 7).	No NPF requirement
REW 11	Number of planned residential water customer-interruptions during peak hours (5am-9am and 5pm- 11pm) (No)	Planned	Regional and Metropolitan (A)	Number of residential customers affected by planned water supply interruptions in peak hours (5am-9am and 5pm-11pm)	Peak hour customer-interruptions – the number (No) of planned residential water supply customer-interruptions that occurred during peak hours of between 5am-9am and 5pm-11pm. Customer-interruptions that start outside peak hours but continue into peak hours are to be included.	No NPF requirement
REW 13	Non-revenue water (ML)		Regional and Metropolitan (A)	% non-revenue (unaccounted) water	Non-revenue water – the total volume (ML) of water not metered (or estimated equivalent used for billing purposes), or water losses (known or unknown). Determined by calculating the difference between the volume of water received by the water business (BED 9) and the volume of water metered to the water business's customers (BED 10).	W10.1

Indicator reference	Performance indicator	Split	Coverage	Performance measure	Definition	NPF Reference
REW 14	Leakage (ILI)	Infrastructure leakage index (ILI) Real water losses	Regional and Metropolitan (A) Melbourne Water (A)	Infrastructure Leakage Index (ILI) – NPF Only Real water losses per connection per day (kL/connection/day) Real water losses per kilometre of water main per day (kL/km/day)	Infrastructure Leakage Index (ILI) – the ILI is the ratio of the Current Annual Real Losses (CARL, calculated from a Water Balance) to the Unavoidable Annual Real Losses (UARL calculated from an equation developed by the IWA Water Losses Task Force) as per NPF handbook. Current Annual Real Losses (CARL) – the numerator of the ILI calculation – real losses as measured in the pressurised distribution system up to the point of customer metering. When calculating the Current Annual Real Losses, a number of assumptions are required regarding errors in metered components of the Water Balance, and estimates of unmetered components. For Unbilled Authorised Consumption, Unauthorised Consumption and Customer Metering Errors, water utilities may elect to use the default values prescribed below, or determine the actual values for their operations. The defaults are outlined in the NPF handbook. Unbilled Authorised Consumption – any consumption for which a bill is not issued to the consumer (e.g. process water at water treatment works, hydrants for mains flushing, fire services, etc.). It can be metered or unmetered. Unauthorised Consumption – generally this refers to illegal use. The water utility should be consistent across reporting years in calculating its CARL and, where appropriate, have supporting documentation to verify assumptions for the purpose of auditing. Service Connections – the number of service connections is not the same as the number of metered accounts or connected properties. The number of service connections can be taken as being the number of metered accounts, minus the total of any sub-meters (after master meters e.g. to shops and flats), plus the estimated number of unmetered service connections (e.g. fire service connections).	A9, A10, A11

Indicator reference	Performance indicator	Split	Coverage	Performance measure	Definition	NPF Reference
REW 14 (Cont.)					Real losses – apparent leaks (unauthorised consumption and retail metering errors) and real losses (leakage and overflows from mains, service reservoirs and service connections prior to customer meters) to potable water distribution systems (excluding recycled water). Indicators to be calculated by an approved software package. In reporting real losses, the NPF handbook indicates if a business has: More than 20 service connections/km – report real losses as kL/service connection/day (NPF indicator A10). If a regional business, the calculation is for distribution systems to major towns only. Less than 20 service connections – report real losses as	
					For Melbourne Water, the measure is calculated as the estimated manageable losses over average yearly consumption. Total estimated manageable losses from aqueducts, reservoirs, pipes and operations divided by average yearly water supplied to retail water companies. Estimates of losses do not include evaporation, seepage or environmental flows.	

Indicator reference	Performance indicator	Split	Coverage	Performance measure	Definition	NPF Reference
		;	Sewerage Net	work Reliability and	Efficiency (RES)	
RES 1	Number of sewer blockages (No)	Main House Connection Branch (HCB)	Regional and Metropolitan (A)	Sewer main blockages per 100 km of sewer main Note: HCBs are not included in calculating the above measure, but are used for our calculation of response time.	Sewer blockage – the number (No) of confirmed partial or total blockages which cause an interruption to sewer service and/or a spill. Sewer mains includes: all gravity sewer mains pressure mains including common effluent pipelines, rising mains; and vacuum system mains. It excludes: HCBs or property connections property drain pipeline carrying treated effluent or recycled water; and recycled distribution and reticulation mains. House Connection Branch (HCB) – from 2014/15, under the new Water (Estimation, Supply and Sewerage) Regulations 2014, all water businesses (not just metropolitan retailers) are required to maintain and report blockages in the HCB. The HCB, or property connection, is a short sewer owned and operated by the water business which connects the sewer main to the customer's sanitary works. The extent of maintenance responsibility is defined in the regulations.	A14
RES 2	Total minutes to respond to reported sewer blockage/spill (Minutes)		Regional and Metropolitan (A)	Average minutes to respond to a reported sewer blockage/spill	Minutes to respond – the response time (Minutes) from when the water business is first notified or becomes aware of the sewer blockage/spill to the time the water business arrives at the site of the blockage/spill. Total Minutes – the cumulative total of minutes to respond to all blockages/spills, including those in the HCB.	No NPF requirement

Indicator reference	Performance indicator	Split	Coverage	Performance measure	Definition	NPF Reference
RES 3	Total time taken to repair sewer blockage/ spill (Minutes)		Regional and Metropolitan (A)	Average number of minutes taken to repair a sewer blockage/spill	Time to repair – the time (Minutes) from receiving first notification to rectifying the fault to the required level of service or when service is restored. *Repair* – no ongoing risk of damage to infrastructure or repaired to the required level of service. *Repair time excludes – follow-up site restoration works, such as reinstatement of nature strips, and time elapsed to planned future rectification works. *Total Minutes* – the cumulative total of minutes to repair all blockages/spills, including those in the HCB.	No NPF requirement
RES 5	Number of customers receiving 3 or more sewer blockages in the year (No)		Regional and Metropolitan (A)	Average number of customers with 3+ sewer blockages in a year as a % of total customers	Number of customers – total number (No) of sewerage customers receiving 3 or more sewer blockages within the reporting period.	No NPF requirement

Indicator reference	Performance indicator	Split	Coverage	Performance measure	Definition	NPF Reference
RES 6	Number of sewage spills from reticulation and branch sewers (No)	Priority 1 Priority 2	Regional and Metropolitan (A)	Sewage spills from reticulation and branch sewers per 100 kilometres of sewer main	 Sewage spill – the number (No) of failures to contain sewage within the sewerage system, excluding: spills from emergency relief structures (a manhole is not an emergency relief structure) pump station spills; and spills due to House Connection Branch blockages. Priority 1 – a sewage spill that involves or results in any of the following: a public health concern significant damage to property a discharge to a sensitive receiving environment a discharge from a sewer pipe that is 300 mm diameter or greater; or the flow is >80 L/min. Priority 2 – any minor failure to contain sewage within the sewerage system and any spill affecting several users which results in minor property damage or results in a surcharge outside a building which does not pose a health risk. 	No NPF requirement
RES 7	Number of sewage spills from reticulation and branch sewers fully contained within 5 hours (No)	Priority 1 Priority 2	Regional and Metropolitan (A)	% of sewage spills contained within 5 hours	Sewage spill duration – a sewage spill is to be regarded as: having taken place at the time the water business becomes aware of the spill; and being fully contained when there is no longer a discharge from the containment area. Containment – the sewage spill has ceased or has been alleviated by by-pass pumping/diversions, eduction or sand bagging. Total Spills – the cumulative number of all sewage spills contained within 5 hours.	No NPF requirement

Indicator reference	Performance indicator	Split	Coverage	Performance measure	Definition	NPF Reference
RES 8	Number of sewage spills to customer properties (No)		Regional and Metropolitan (A)	Sewage spills to customer property per 100 customers	Customer property sewage spill – the number (No) of sewage spills caused by a fault in the water business's system that discharges to a customer's property. Excluded – sewage spills caused by faults in the service connection or House Connection Branch and the property drain. Total Spills – the cumulative number of all sewage spills at customer properties.	No NPF requirement
RES 9	Number of residential sewer supply customer-interruptions restored within X hours (No.)	Number of residential sewer supply customer-interruptions (No) Number of residential sewer supply customer-interruptions restored within X hours (No)	Regional and Metropolitan (A)	Number of residential customers affected by sewerage interruptions restored within specified time	Sewer supply customer-interruption – the number (No) of sewer interruptions to a residential customer. For example, a sewer interruption which causes disruption to 100 customers is counted as 100 customer-interruptions. Sewer interruption – a confirmed partial or total blockage which causes an interruption to service. It does not include interruptions caused by faults in the customer's pipe. Time to restore – the time (Minutes) from receiving first notification of a blockage/interruption to rectifying the fault to the required level of service or when service is restored. X hours – businesses should align the number of hours to their Guaranteed Service Level (GSL) target. For example, in the case of Yarra Valley Water and South East Water, the time ('X') is 4 hours to recognise their GSL targets. If a business does not have a relevant GSL target, then the time ('X') is 5 hours.	No NPF requirement

Indicator reference	Performance indicator	Split	Coverage	Performance measure	Definition	NPF Reference
RES 10	Number of sewer spills within a house (No)	Number of sewer spills within a house (No) Number of sewer spills within a house not contained within X hours (No)	Regional and Metropolitan (A)	Number of sewer spills within a house Number of sewer spills within a house not contained within X hours	Spill within a house – the number (No) of residential sewerage customers experiencing a sewage spill inside their house, caused by a fault in the water business's system. It does not include sewage spills caused by faults or blockages in the customer's pipes. X hours – businesses should align the number of hours to their Guaranteed Service Level (GSL) target. For example, if a GSL payment is required when a sewer spill within a house is not contained within 30 minutes, then 'X' will equal 0.5. If a business does not have a relevant GSL target, then the time ('X') is 1 hour.	No NPF requirement

Indicator reference	Performance indicator	Split	Coverage	Performance measure	Definition	NPF Reference
			Customer F	Responsiveness and	Service (CRS)	
CRS 1	Number of calls (No)	Number of calls to the account line (No) Number of calls to the fault line (No)	Regional and Metropolitan (A)	Number of calls received	Total number of calls – the number (No) of telephone calls received by the water business's telephone operator/customer service operators, including Interactive Voice Response (IVR) system. Calls that are resolved by an automated system, or hang ups, are not included in the total. No fault line – businesses with one contact point should report the figure against the account line.	C14
	Average call connect time to operator (Seconds)	Account line (Seconds) Fault line (Seconds)		Average time taken to connect to an operator	Connect time – the time (Seconds) taken for a caller to be connected to an operator should they elect to, or be required to do so. For measurement, this is the period: Non IVR systems – from the time when the call is received by the switchboard until the call is answered IVR systems – from the time that the customer selects an operator option. Average call connect time – calculated by taking the Total Seconds Taken to Answer a Call divided by the Total Number of Calls Received for each line type.	
CRS 2	Number of calls connected to operator within 30 seconds (No)	Account line Fault line	Regional and Metropolitan (A)	% of calls connected to operator within 30 seconds	Connected within 30 Seconds – measurement is the total number (No) of calls received by water business's telephone operator/customer service operators, including Interactive Voice Response (IVR) system, answered within 30 seconds. Calls that are resolved by an automated system, or hang ups, are not included in the total. Refer to CRS1 for definition of connect time. No fault line – businesses with one contact point should report the figure against the account line.	C14

Indicator reference	Performance indicator	Split	Coverage	Performance measure	Definition	NPF Reference
CRS 3	Total complaints (No)		Regional and Metropolitan	Complaints per 100 customers NOTE: This indicator is the sum of all complaints recorded against CRS 4 to CRS 11 inclusive, and is calculated from the sub-categories in the Water Performance Report Data Collection Template.	 Complaint – the total number (No) of written or verbal expressions of dissatisfaction about an action, proposed action or failure to act by the water business, its employees or contractors, requiring resolution. Includes complaints received by the water utility in person, by mail, fax, phone, email or text messaging. Includes: Complaints from separate customers arising from the same cause count as separate complaints. Complaints resolved on the spot, i.e. over the phone, are still to be counted as a complaint, even if the customer is satisfied with the outcome of the discussion. Excludes: Genuine customer enquiries where dissatisfaction is not expressed, or where the customer clearly does not wish to record a complaint, for example "could you please explain" Complaints that were investigated and found to be unrelated to a water business's infrastructure, operations or service delivery should be excluded. Australian Standards define a complaint as an "expression of dissatisfaction made to or about an organisation, related to its products, services, staff or handling of a complaint where a response is implicitly expected or legally required." (AS/NZS 10002:2014). [Note: order of paragraphs changed] 	C13

Indicator reference	Performance indicator	Split	Coverage	Performance measure	Definition	NPF Reference
CRS 4	Number of water quality complaints (No)	Colour Taste & odour Other	Regional and Metropolitan (A)	Water quality complaints per 100 customers	Water quality complaints – the total number (No) of any complaints about water quality, including those resulting from operational practices: • colour – discolouration or cloudy water (e.g. caused by oxygenation) • taste • odour; or • other – stained washing, illness, etc. Excluded – complaints related to service interruptions, adequacy of service, restrictions and water pressure complaints, which are captured under subsequent complaint categories. As a general rule, any customer contact with respect to water quality should be treated as a complaint. For more information please refer to the Department of Health and Human Service's annual report on drinking water quality in Victoria.	C9
CRS 5	Number of water supply reliability complaints (No)		Regional and Metropolitan (A)	Complaints per 100 customers	Supply reliability complaints – the total number (No) of complaints received by the water business that relate to water supply reliability. Excluded - Flow rate complaints (and water pressure complaints) as recorded under CRS 9.	C10
CRS 6	Number of sewerage service quality and reliability complaints (No)		Regional and Metropolitan (A)	Complaints per 100 customers	Sewerage service quality and reliability complaints – the total number (No) of any complaints relating to the service quality, availability or reliability of sewerage services. Excludes sewage odour complaints which have their own category. Excluded – complaints relating to property connections, government pricing policy and tariff structures. When a customer reports a blockage or spill, this is not counted as a complaint unless the customer expresses dissatisfaction about the interruption.	C11

Indicator reference	Performance indicator	Split	Coverage	Performance measure	Definition	NPF Reference
CRS 7	Number of payment issue complaints (No)		Regional and Metropolitan (A)	Complaints per 100 customers	Payment issue complaints – the total number (No) of complaints received by the water business that relate to water bill payment including: account payment issues financial loss or overcharging billing errors; or affordability. If a customer makes repeated enquiries/queries on the same billing issue this should be recorded as a complaint.	C12
CRS 9	Number of flow rate complaints (No)		Regional and Metropolitan (A)	Complaints per 100 customers	Flow rate complaints – the total number (No) of complaints received by the water business that relate to flow rate and/or water pressure.	C10
CRS 10	Number of sewage odour complaints (No)		Regional and Metropolitan (A)	Complaints per 100 customers	Sewage odour complaints – the total number (No) of complaints received by the water business that relate to sewage odour. Includes odour from sewerage systems and from sewage treatment plants.	C11
CRS 11	Number of other complaints (No)		Regional and Metropolitan (A)	Complaints per 100 customers	Other complaints – the total number (No) of complaints relating to quality and timeliness of other services. Included – Complaints about trade waste management and services. Examples include: connections, account confidentiality, responding to correspondence and staff behaviour.	No NPF requirement
CRS 12	Number of GSL payments (No)	Number of GSL payments (No)	Regional and Metropolitan (A)	Number of GSL payments paid to customers	Guaranteed Service Level (GSL) payment – the total number (No) of GSL payments paid to customers within the reporting period.	No NPF requirement

Indicator reference	Performance indicator	Split	Coverage	Performance measure	Definition	NPF Reference
		Us	sage, Price Tı	ends and Payment M	lanagement (UPP)	
UPP 1	Number of instalment plans at the end of the reporting period (No)	Residential non- concessional Residential concession Non-residential	Regional and Metropolitan (A)	% of customers on instalment plans	Instalment plans reported – the total number (No) of instalment plans in place at the end of the reporting period. This indicator effectively gives a snapshot of all instalment plans active on 30 June each year. Instalment plan – an alternative payment arrangement (confirmed in writing) between the customer and the water business in accordance with clause 5.2 "Flexible payment plans" of the Customer Service Code (September 2014). A verbal extension of the payment period does not constitute an instalment plan.	No NPF requirement
UPP 2	Number of restrictions applied for non- payment of bill during the reporting period (No)	Residential non- concessional Residential concession Non-residential	Regional and Metropolitan (A)	Restrictions per 100 customers.	Restrictions applied – the total number (No) of restrictions applied for non-payment of water bills in the reporting period. Multiple restrictions for one customer should be counted as separate restrictions. Restriction – all cases where due to non-payment of account a water supply restriction device is fitted. Excluded – restrictions carried out for breach of water restriction or disconnections due to unsafe infrastructure, or customers who choose to disconnect from the water business's supply (e.g. due to preference for a tank water supply).	C18

Indicator reference	Performance indicator	Split	Coverage	Performance measure	Definition	NPF Reference
UPP 3	Legal action initiated for non-payment of bill (No)	Residential non-concessional Residential concession Non-residential	Regional and Metropolitan (A)	Number of customers subject to legal action per 100 customers	Legal action initiated – the total number (No) of customer accounts forwarded to a solicitor for legal action, subjecting the customers to additional costs. It does not include where a water business threatens to take legal action, but does not proceed. Legal action – considered to commence from the issue of a summons. Includes cases in which accounts are forwarded to a solicitor for legal action and the legal costs to the customer are subsequently waived. Multiple restrictions, disconnections and legal actions for one customer should be counted as separate legal actions.	C19
UPP 4	Restriction duration – Residential (No)	No of restrictions restored within 3 days No of restrictions still in place after 14 days	Regional and Metropolitan (A)	% of restrictions restored within 3 days % of restrictions still in place after 14 days	Restored within 3 days – the total number (No) of residential restrictions for non-payment that are removed within 3 days of the restriction being applied. Restrictions restored – the point in time at which a water business physically removes a restriction device, restoring unrestricted water supply to a customer. In place after 14 days – the total number (No) of residential restrictions for non-payment that are still in place 14 days after the restriction was applied.	No NPF requirement
UPP 5	Average debt levels for residential customers subject to restriction and legal action (\$)	Restriction (\$) Legal action (\$)	Regional and Metropolitan (A)	Average debt level for customers subject to restrictions Average debt level for customers subject to legal action	Debt level – the total value (\$) of residential customer debt levels, measured at the time action is taken to recover the debt either by legal means or by water supply restriction.	No NPF requirement

Indicator reference	Performance indicator	Split	Coverage	Performance measure	Definition	NPF Reference
UPP 6	Number of customers awarded hardship grants (No)	Number of customers that applied for hardship grants (No) Number of customers awarded hardship grants (No) Total value of hardship grants awarded to customers(\$)	Regional and Metropolitan (A)	Number of customers that applied for hardship grants Number of customers awarded hardship grants Average value of hardship grants	Hardship grant applications – the total number (No) of customers that make hardship assistance grant applications under the water business's hardship policy. This includes verbal or written applications. If a customer is carried over from the prior financial year, this is counted as one new application. If a customer applies for one or more hardship grants, this is only counted as one customer. Hardship grants awarded – the total number (No) of customers awarded hardship assistance grants under the water business's hardship policy. If a customer receives two hardship grants, this is only counted as one customer. Hardship grants value – the total value (\$) of hardship assistance grants awarded under the water business's hardship policy. Hardship grant – this indicator refers to a business's own hardship grant scheme. This may include a rebate, waiver, credit, write-off etc. Excluded – It does not include government schemes (such as URGS).	No NPF requirement
UPP 7	Number of physical visits associated with GSL process management (No)		Regional and Metropolitan (A)	Number of physical visits associated with GSL process management	GSL Visits – the total number (No) of physical or personal visits made to a customer's residence in relation to Step 5 of the Check-list for minimum "reasonable endeavours" – Hardship-related GSL (attempt at personal contact by personal visit with a customer), required before a water supply restriction can be put in place. This is the final step that a water business must take to avoid a payment under the hardship-related GSL.	No NPF requirement

Indicator reference	Performance indicator	Split	Coverage	Performance measure	Definition	NPF Reference
UPP 8	Number of customers entering hardship programs - differentiated by the level of debt (No) Note: Only reported by Metropolitan retailers and Western Water.	Debt less than \$1000 Debt of \$1000-2000 Debt above \$2000	Regional and Metropolitan (A)	Number of customers entering a hardship program with debt less than \$1000 Number of customers entering a hardship program with a debt of \$1000-2000 Number of customers entering a hardship program with debt above \$2000	Customers entering a hardship program with debt less than \$1000 – the total number (No) of residential customers entering a water business's hardship program during the reporting period, with the level of debt less than \$1000. Customers entering a hardship program with debt \$1000-2000 – the total number (No) of residential customers entering a water business's hardship program during the reporting period, with the level of debt being \$1000 to \$2000. Customers entering a hardship program with debt above \$2000 – the total number (No) of residential customers entering a water business's hardship program during the reporting period, with the level of debt above \$2000.	No NPF requirement
UPP 9	Percentage of customers in hardship program meeting instalment plans (%) Note: Only reported by Metropolitan retailers and Western Water. For 2017-18 reporting: mandatory for all urban water businesses.	Percentage of customers in hardship program meeting their instalment plans (%)	Regional and Metropolitan (A)	% of customers in hardship program meeting their instalment plans	Meeting instalment plans in the hardship program – the number of customers in a water business's hardship program who are meeting their instalment plans, expressed as a percentage (%) of the total number of customers on instalment in hardship programs with agreed instalment plans. Meeting their instalment plan includes – any instance where a customer has missed or skipped a payment with the agreement of the water business, or to the extent that they continue to meet the eligibility criteria of the water businesses hardship program.	No NPF requirement
UPP 10	Number of concessions applied (No) Note: Only reported by Metropolitan retailers and Western Water.	Total number of concession customers (No) Number of retrospective concessions applied (No)	Regional and Metropolitan (A)	Total number of concession customers Number of retrospective concessions applied	Customers on a concession – the total number (No) of concession customers, which may include more than one customer on a single bill. Retrospective concessions applied – the total number (No) of concessions applied on past bills for which the customer was eligible. This only applies to bills raised on the principal place of residence, issued in the last 12 months and where the account is still active.	No NPF requirement

Indicator reference	Performance indicator	Split	Coverage	Performance measure	Definition	NPF Reference				
	Water Conservation, Reuse, Recycling (CRR)									
CRR 1	Treatment plant effluent reuse (ML) – End use (Reuse Schedule on Reporting Template)	Volume of effluent produced (ML) Volume of effluent reused (ML) — broken down by: • Volume supplied to retailers (ML) • Urban and industrial (ML) • Agricultural uses (ML) • Beneficial allocations (ML) • Within process (ML) Environmental discharge (ML) Effluent reuse — Potable water substitution (ML)	Melbourne Water (A) Regional and Metropolitan (A)	Volume of effluent produced Volume of effluent reused % of effluent reused by category	Volume effluent produced – the net volume (ML) of treated sewage produced as effluent from a sewage treatment plant. Evaporative losses from the treatment process are excluded. Total volume = Volume effluent reused + Environmental discharge Volume of effluent reused – the net volume (ML) of all treated effluent that is used by either the water business, a business supplied by the water business, or supplied through a third pipe system for urban reuse. Reuse activity needs to be in accordance with EPA published guidelines or exempted from EPA licensing on the basis of being recognised as a legitimate reuse activity. Calculation – Sum volume supplied to retailers, urban and industrial, agriculture users, beneficial and within process. Beneficial allocation – treated effluent discharged to a waterway for recognised environmental purposes (as prescribed by the EPA). There must be a quality characteristic that is a net benefit to the environment. (There is a clear distinction between 'disposal' to the environment and 'beneficial use', such as environmental flows.) Environmental discharge – disposal of treated effluent to waterways pursuant to an EPA waste discharge licence. This includes discharges to ocean outfalls or inland water discharges. Effluent Reuse – Potable water substitution – the volume (ML) of potable water avoided due to reuse of treated effluent. I.e. where potable water would need to be purchased if the recycled water was not available.	W26, W27, W29 (Also W20 to W25 for reuse categories)				

Indicator reference	Performance indicator	Split	Coverage	Performance measure	Definition	NPF Reference
CRR 3	Number of sewage spills from emergency relief structures (ERS) and pumping stations (No) Volume of sewage spilt from ERS and pumping stations (ML)	Blockage Hydraulic Extreme wet weather System failure	Melbourne Water (A) Regional and Metropolitan (A)	Volume of sewage spilt as a % of the volume of sewage transported	Sewage spill – total number (No) of sewage spills from emergency relief structures and pumping stations. Does not include spills from reticulation and branch sewers (refer RES 6). An estimation of spill volumes (ML) may be used where direct measurement of spill volume cannot be made. Extreme wet weather – a 1 in 5 year rainfall event.	No NPF requirement

Indicator reference	Performance indicator	Split	Coverage	Performance measure	Definition	NPF Reference
CRR 5	CO ₂ equivalent emissions (Tonnes)	Water treatment and supply (Tonnes) Sewerage treatment and management (Tonnes) Transport (Tonnes) CO ₂ offsets (Tonnes) Total CO ₂ Equivalent Emissions (Tonnes)	Melbourne Water (A) Regional and Metropolitan (A)	Greenhouse gas emissions – equivalent tonnes of CO ₂	Greenhouse gas emissions – conversion factors for greenhouse emissions should be based on those provided by the Department of Environment and Energy – National Greenhouse Accounts (NGA) Factors. Refer to the Department's website for these factors. To ensure consistency with national reporting requirements (e.g. NGERS), scope 1 and scope 2 emissions only are included in the National Performance Framework. Scope 3 emissions are excluded. Businesses should use the conversion factors specific to their location. Water – CO ₂ -equivalents (Tonnes) generated relating to water supply, including recycled water. Include direct (scope 1) and indirect (scope 2) but exclude scope 3. Sewerage – CO ₂ -equivalents (Tonnes) generated relating to sewerage. Include direct (scope 1) and indirect (scope 2) but exclude scope 3. Transport – CO ₂ -equivalents (Tonnes) generated relating to vehicle use directly related to the business's activities (scope 1). Other – CO ₂ -equivalents (Tonnes) generated relating to office buildings, etc. Offsets – accredited sequestration activities (including accredited offset schemes) that remove carbon from the atmosphere, i.e. tree plantations (reported as a negative figure). Total emissions – net tonnes of CO ₂ equivalent emissions for the whole business and its activities, allowing for sequestration (sum of the above less offsets). Leased assets and emissions – where a leased asset generates emissions, these emissions should be reported under the same category as if the water business owned the asset. I.e. a water business owns one truck and leases one truck for the operation of its treatment facility – emissions should be reported for both vehicles under 'Transport – scope 1'.	E9, E10, E11, E12 (including bulk measures)

Indicator reference	Performance indicator	Split	Coverage	Performance measure	Definition	NPF Reference
CRR 6	Treatment plant biosolid reuse (Tonnes) (Reuse Schedule on Reporting Template)	Mass produced (Tonnes) Mass reused (Tonnes) Mass stored (Tonnes)	Melbourne Water (A) Regional and Metropolitan (A)	Biosolids reuse as a % of biosolids produced in the reporting year Total mass of biosolids reused	Mass produced – the mass dry weight (Tonnes) of biosolids produced by the licensee's sewage treatment plants. Biosolids is considered to be produced when it is extracted from the process, for storage or reuse purposes. It excludes biomass accumulating in the process and lagoon systems. Mass reused – the mass dry weight (Tonnes) of biosolids reuse undertaken in accordance with EPA published guidelines or exempted from EPA licensing on the basis of being recognised as a legitimate reuse activity. Includes biosolids produced and reused within the reporting period, plus reuse from stockpiled biosolids in the reporting year. Mass stored – the mass dry weight (tonnes) of biosolids produced during the reporting year that is stored by, or on behalf of, the licensee. (This does not refer to the total amount of currently stockpiled biosolids material.) Biosolids – primarily organic solids derived from sewerage treatment processes, which must meet EPA requirements for reuse. It does not include non-stabilised sludge.	E8
CRR 7	Trade waste volume received (ML) (Treatment Plant Schedule on Reporting Template)	By treatment plant	Melbourne Water (A) Regional and Metropolitan (A)	Volume of trade waste received into each treatment plant as a % of total influent volume	Trade waste volume – the aggregated influent volume (ML) of trade waste received into each of the water business's own treatment plants. The trade waste volumes should be based on the billable volumes (metered and estimated) as reported under BED 19, and does not include the "deemed" trade waste discharges.	W17

Indicator reference	Performance indicator	Split	Coverage	Performance measure	Definition	NPF Reference				
	Drinking Water Quality (DWQ)									
DWQ 1	Standards for drinking water quality	Percentage of connections receiving water meeting E. Coli standards (%) Number of water quality zones compliant for E. Coli (No) Percentage of connections receiving water meeting turbidity standards (%)	Regional and Metropolitan (A)	% of connections receiving water meeting standards for: • E. coli • Turbidity Number of zones meeting the E. Coli standard	Percentage of Connections – the number (No) of connections receiving drinking water that complies with the standard for E. coli and turbidity, expressed as a proportion of connections receiving drinking water from that supplier. Excluded – non-potable (regulated) supplies are excluded from calculations. Standards – the standards for drinking water quality for 2014-15 are set out in the Safe Drinking Water Regulations 2005. (Note that the new 2015 regulations came into operation on 18 July 2015, and will be the applicable standard for performance reporting from 2015-16 onwards.) Compliance with the standard – compliance with standards for E. coli and turbidity is assessed annually on a zone-by-zone basis. Calculated as the number of connections from compliant water quality zones as a percentage of total connections. Zone – equivalent to a water sampling locality/zone of water supply system, as defined in the Safe Drinking Water Regulations 2005. Each zone will be assessed as either compliant or non-compliant with the standards.	H2, H3, H4				

Indicator reference	Performance indicator	Split	Coverage	Performance measure	Definition	NPF Reference				
	Trade Waste (TDW)									
TDW 1	Number of trade waste customers with agreements containing customerspecific acceptance criteria (No)		Regional and Metropolitan (A)	Number of trade waste customers with agreements containing customer-specific acceptance criteria	Number of trade waste customers – the total number (No) of trade waste customers with agreements containing customerspecific acceptance criteria. Trade waste agreement – trade waste customers must have some form of trade waste agreement with their water business. The Trade Waste Customer Service Code requires this trade waste agreement to specify (or refer to) the relevant trade waste discharge limitations, normally the water business's Statement of Approved Acceptance Criteria, which is a common set of acceptance criteria applying to all trade waste customers. The code allows for water businesses to establish customerspecific acceptance criteria for one or more parameters for an individual customer, in order to suit the specific requirements of the customer and the sewerage catchment and treatment systems. This indicator reflects the number of trade waste customers with one or more of these customer-specific parameters in their trade waste agreement.	No NPF requirement				