Summary of Three Waters Request for Information Clinic

# Tuesday, 19th January 2021, 8am to 9.30am

## Overview of the clinic

The purpose of this clinic was to:

* Provide an opportunity for councils to ask general questions
* Explain the RfI submission process
* Provide an overview of the common issues that WICS have seen in reviewing council draft submissions.

## Link to the recording

The link to the recording <https://vimeo.com/solgm>

## General Questions

### Check function errors in the Workbook

As highlighted in the clinic on Tuesday, it was noted that some of the checks in Workbook I and Workbook II have not been showing ‘Ok’ despite the population of all required fields in a line item. We have included a summary of the fixes you will need to make to your workbook to correct these in Appendix 1.

### Table AA

**Question: For AA1.13, can we use vested assets to calculate or represent this field?**

Answer: Any water, wastewater or stormwater assets formally vested in Council by developers becomes a Council asset and should be included as such in the relevant tables. Unless for some reason the Council has agreed to provide water to/accept raw or treated wastewater/accept stormwater from a special development area, government complex (e.g. correction facilities, NZDF bases, universities, etc), body corporates or industrial parks where the water/wastewater network (and perhaps treatment plants and pump stations, SW pre-treatment systems and pump stations) are owned by a third party (other than the Council in whose area they are sited or which services this third party owned and operated area/facility).

**Question: For AA1.1 and AA1.2, can we just submit the relevant sections of the Annual Plans and Asset Management Plans that relate to these questions with a comment in the workbook stating this information is provided separately?**

Answer: It would be really useful if you could extract the information from the Annual Plans and Asset Management Plans and enter the information directly into the cells please. It was noted in the clinic that the Rate Set Report may be a good source of information for these cells.

Please note that the latest (draft or final) 30-year Infrastructure Strategy (2021-2051) requested in cell AA1.14 can be sent through as an attachment in your final submission through threewaters@dia.govt.nz.

### Tables A, B and E

**Question: We noted that in Workbook II in A1 that the first 8 rows refer to billed properties, then A1.39 (total connected properties) calculates the total billed but is titled connections. Should this be billed, or should we be putting in a new row with billed not connected?**

Answer: You are correct that Workbook II does not ask for the total number of properties that are billed but not connected. We understand that several councils have an availability charge for such properties i.e. if the customer is not connected, but they have the option to connect.

Please input the number of billed connected properties in lines A1.1, A1.4, A1.14 and A1.36 and then report the number of properties charged but not connected to the reticulated network in the commentary cells. The same approach applies to wastewater properties in A3.

For stormwater, please report the number of billed properties in lines A3b.1, A3b.7, A3b.18 and A3b.43 – even if they are not connected to the reticulated stormwater network. This is because even properties not connected to the stormwater network benefit from the drainage of roads and land – even, for example, if they have their own private stormwater management system.

If you are still unclear about how to approach this question, please contact your SOLGM Account Manager or email your question through to threewaters@dia.govt.nz.

**Follow up question: To clarify, where you are referring to ‘billed properties’ in A1, A3 and A3b, that should all be billed *and* connected properties?**

Answer: Yes, that is correct. A1 and A3. A3b (stormwater) should just be billed properties. This is because even properties not connected to the stormwater network benefit from the drainage of roads and land – even, for example, if they have their own private stormwater management system.

**Follow up question: For our stormwater, our councils generally just apply a general rate. Their internal definition states that everyone receives a stormwater service, therefore they are all billed, rather than whether or not they are connected to a reticulated network.**

Answer: That is fine in line with the response above.

**Question: Table B5 & B6: B5 requests data on new telephone contacts and complaints in B5, whereas B6 requests data on telephone contacts in B6. Can you please confirm if B5 is intended to be a subset of B6. Or is B6 meant to be other water related contacts?**

Answer: B6 covers all three waters telephone contacts, therefore B5 is a subset of B6.

## Overview of the common issues that WICS have seen in reviewing council draft submissions

Please refer to the list of common issues in Appendix 2. This list is also included in the letter that Alan Sutherland sent to councils on 19 January 2021.

Please check this list before you submit your final RfI workbook. Most of these are relatively easy to address, but please reach out to your WICS or SOLGM Account Manager should you have any queries.

In summary, WICS mentioned that councils be cognisant of four particular items:

* Checking that you have input figures in the correct units – this was a common issue across all tables but was most prevalent in Table A4 (sewage volumes and loads) and Table J1 (summary – asset replacement).
* Checking that the numbers are consistent with what has been reported elsewhere in annual reports or reports by other organisations (e.g. Drinking Water New Zealand). An example relates to total operating expenditure reported in E1.22, E2.21 and E2b.21 which should be consistent with the expenditure reported in the funding impact statements for the relevant three waters service from the council annual report and accounts.
* Providing your best estimate, or guess, if you do not record the information and reflecting the uncertainty in the confidence grades, rather than reporting zero. This is particularly relevant for the levels of service measures in the B tables.
* Ensuring that the RFI is internally consistent. An example relates to Table G and ensuring that the total investment reported in G1.29 is consistent with the sum of the totals reported in G2.6, G3.6 and G4.6.

## Submission Process

The deadline for submission of the RfI is **1 February 2021**. If this date is a public holiday for your council, please ensure your final submission is emailed through before 1 February 2021.

Please submit your final workbooks to **threewaters@dia.govt**.nz with “**Final RfI”** in the subject line. Please also inform your SOLGM Account Manager that this has been submitted.

Some councils have asked to provide their RfI through your online SharePoint. If this is the approach your council will take, please ensure Josephine.clarke@dia.govt.nz, Jamie.sutton@nz.ey.com and colin.mcnaughton@watercommission.co.uk are all enabled to **view and download** your workbook and email the link to the final workbook in the body of your email to threewaters@dia.govt.nz with “Final RfI” in the subject line.

There are several documents requested as part of this RfI. For example, a valuations report, a consents register and the 2021-2051 Infrastructure Strategy. If these are not included in the workbook itself, then please ensure you attach them to your final email submission. If you have trouble sending this, please check your email does not exceed 20MB.

# Appendix 1:

As highlighted in the clinic **on Tuesday** it was noted that some of the checks in Workbook I and Workbook II have not been showing ‘Ok’ despite the population of all required fields in a line item.

This is the result of the following:

* Nested IF formulas with two commas adjacent to one another in the formula [e.g.: <>"",,AA14)]
* Nested IF formulas that end with a comma [e.g.: =IF(AND(P62<>"",Q62<>"",AG62<>"",),0,1)]

Below, we have provided a summary of the Worksheets affected in Workbook I and Workbook II. We have also provided replacement formulas to insert into the respective cells in these Worksheets. This will result in the Checks field changing from ‘Please complete’ to ‘Ok’ when all mandatory cells in a line item are populated.

**Key**

* Identifies the reason why the check is not currently working
* Identifies the relevant section of the formula to fix

**Workbook I**

|  |  |  |
| --- | --- | --- |
| **Worksheet** | **Item reference** | **Description** |
| E4 | E4.27 | * Current formula (E4.27): *=IF(AND(P62<>"",Q62<>"",AG62<>"",),0,1)*
* Please update formula in cell H62 to *=IF(AND(P62<>"",Q62<>"",AG62<>""),0,1)*
 |
| E8 | E8.21 – E8.30 | * NB: the below example formula was included within the ‘Workbook I – Summary of updates.xlsx’ workbook attached in the Three Waters email on 11/12.
* Current formula (E8.21): *=IF(AND(K39<>"",L39<>"",M39<>"",N39<>"",O39<>"",P39<>"",Q39<>"",R39<>"",S39<>"",T39<>"",U39<>"",V39<>"",W39<>"",X39<>"",Y39<>"",Z39<>"",AA39<>"",AB39<>"",AC39<>"",AD39<>"",,AK39<>""),0,1)*
* Please update formula in cell H39 to *=IF(AND(K39<>"",L39<>"",M39<>"",N39<>"",O39<>"",P39<>"",Q39<>"",R39<>"",S39<>"",T39<>"",U39<>"",V39<>"",W39<>"",X39<>"",Y39<>"",Z39<>"",AA39<>"",AB39<>"",AC39<>"",AD39<>"",AK39<>""),0,1)*
* Copy and paste formula into other impacted cells:H40; H41; H42; H43; H44; H45; H46; H47; H48 (i.e. E8.21 – E8.30)
 |
| F7 | F7.1 – F7.17 | * Current formula (F7.1): *=IF(AND(I14<>"",J14<>"",L14<>"",M14<>"",O14<>"",P14<>"",AG14<>"",R14<>"",S14<>"",T14<>"",U14<>"",V14<>"",W14<>"",X14<>"",Y14<>"",Z14<>"",,AA14<>"",AC14<>""),0,1)*
* Please update formula in cell H14 to *=IF(AND(I14<>"",J14<>"",L14<>"",M14<>"",O14<>"",P14<>"",AG14<>"",R14<>"",S14<>"",T14<>"",U14<>"",V14<>"",W14<>"",X14<>"",Y14<>"",Z14<>"",AA14<>"",AC14<>""),0,1)*
* Copy and paste the same formula across the other impacted cells: H17, H18, H19, H20, H23, H26, H27, H28, H29, H32, H33, H34, H35, H37, H38, H39  (i.e. F7.2 – F7.17).
 |
| F7a | F7a.1 – F7a.17 | * Current formula (F7a.1): *=IF(AND(I14<>"",J14<>"",L14<>"",M14<>"",O14<>"",P14<>"",AG14<>"",R14<>"",S14<>"",T14<>"",U14<>"",V14<>"",W14<>"",X14<>"",Y14<>"",Z14<>"",,AA14<>"",AC14<>""),0,1)*
* Please update formula in cell H14 to *=IF(AND(I14<>"",J14<>"",L14<>"",M14<>"",O14<>"",P14<>"",AG14<>"",R14<>"",S14<>"",T14<>"",U14<>"",V14<>"",W14<>"",X14<>"",Y14<>"",Z14<>"",AA14<>"",AC14<>""),0,1)*
* Copy and paste the same formula across the other impacted cells: H17, H18, H19, H20, H23, H26, H27, H28, H29, H32, H33, H34, H35, H37, H38, H39  (i.e. F7a.2 – F7a.17).
 |
| F7b | F7b.1 – F7b.17 | * Current formula (F7b.1): *=IF(AND(I14<>"",J14<>"",L14<>"",M14<>"",O14<>"",P14<>"",AG14<>"",R14<>"",S14<>"",T14<>"",U14<>"",V14<>"",W14<>"",X14<>"",Y14<>"",Z14<>"",,AA14<>"",AC14<>""),0,1)*
* Please update formula in cell H14 to *=IF(AND(I14<>"",J14<>"",L14<>"",M14<>"",O14<>"",P14<>"",AG14<>"",R14<>"",S14<>"",T14<>"",U14<>"",V14<>"",W14<>"",X14<>"",Y14<>"",Z14<>"",AA14<>"",AC14<>""),0,1)*
* Copy and paste the same formula across the other impacted cells: H17, H18, H19, H20, H23, H26, H27, H28, H29, H32, H33, H34, H35, H37, H38, H39  (i.e. F7b.2 – F7b.17).
 |
| F7c | F7c.1 – F7c.17 | * Current formula (F7c.1)**:** *=IF(AND(I14<>"",J14<>"",L14<>"",M14<>"",O14<>"",P14<>"",AG14<>"",R14<>"",S14<>"",T14<>"",U14<>"",V14<>"",W14<>"",X14<>"",Y14<>"",Z14<>"",,AA14<>"",AC14<>""),0,1)*
* Please update formula in cell H14 to *=IF(AND(I14<>"",J14<>"",L14<>"",M14<>"",O14<>"",P14<>"",AG14<>"",R14<>"",S14<>"",T14<>"",U14<>"",V14<>"",W14<>"",X14<>"",Y14<>"",Z14<>"",AA14<>"",AC14<>""),0,1)*
* Copy and paste the same formula across the other impacted cells: H17, H18, H19, H20, H23, H26, H27, H28, H29, H32, H33, H34, H35, H37, H38, H39  (i.e. F7c.2 – F7c.17).
 |
| G4 | G4.1 – G4.6 | * Current formula (G4.1):

*=IF(AND(J16<>"",K16<>"",L16<>"",M16<>"",O16<>"",P16<>"",Q16<>"",R16<>"",S16<>"",T16<>"",U16<>"",V16<>"",W16<>"",X16<>"",Y16<>"",Z16<>"",AA16<>"",AB16<>"",AC16<>"",AD16<>"",AE16<>"",AF16<>"",AG16<>"",AH16<>"",AI16<>"",AJ16<>"",AK16<>"",AL16<>"",AM16<>"",AN16<>"",,AT16<>"",AU16<>"",AR16<>"",AS16<>"",AP16<>"",AQ16<>"",AW16<>"",AX16<>"",AY16<>"",AZ16<>"",BA16<>"",BB16<>"",BD16<>"",BE16<>"",BF16<>"",BG16<>"",BK16<>""),0,1)** Please update formula in cell H16 to:*=IF(AND(J16<>"",K16<>"",L16<>"",M16<>"",O16<>"",P16<>"",Q16<>"",R16<>"",S16<>"",T16<>"",U16<>"",V16<>"",W16<>"",X16<>"",Y16<>"",Z16<>"",AA16<>"",AB16<>"",AC16<>"",AD16<>"",AE16<>"",AF16<>"",AG16<>"",AH16<>"",AI16<>"",AJ16<>"",AK16<>"",AL16<>"",AM16<>"",AN16<>"",AT16<>"",AU16<>"",AR16<>"",AS16<>"",AP16<>"",AQ16<>"",AW16<>"",AX16<>"",AY16<>"",AZ16<>"",BA16<>"",BB16<>"",BD16<>"",BE16<>"",BF16<>"",BG16<>"",BK16<>""),0,1)*
* Please copy and paste this formula into other impacted cells including any additional rows that have been inserted: H16, H17, H18, H19, H20, H21, H22, H23 (i.e. G4.1 – G4.6)
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**Workbook II**

|  |  |  |
| --- | --- | --- |
| **Worksheet** | **Item reference** | **Description** |
| F7 | F7.1 – F7.17 | * Current formula (F7.1): *=IF(AND(I14<>"",J14<>"",L14<>"",M14<>"",O14<>"",P14<>"",AG14<>"",R14<>"",S14<>"",T14<>"",U14<>"",V14<>"",W14<>"",X14<>"",Y14<>"",Z14<>"",,AA14<>"",AC14<>""),0,1)*
* Please update formula in cell H14 to *=IF(AND(I14<>"",J14<>"",L14<>"",M14<>"",O14<>"",P14<>"",AG14<>"",R14<>"",S14<>"",T14<>"",U14<>"",V14<>"",W14<>"",X14<>"",Y14<>"",Z14<>"",AA14<>"",AC14<>""),0,1)*
* Copy and paste the same formula across the other impacted cells: H17, H18, H19, H20, H23, H26, H27, H28, H29, H32, H33, H34, H35, H37, H38, H39  (i.e. F7.2 – F7.17).
 |
| F7a | F7a.1 – F7a.17 | * Current formula (F7a.1): *=IF(AND(I14<>"",J14<>"",L14<>"",M14<>"",O14<>"",P14<>"",AG14<>"",R14<>"",S14<>"",T14<>"",U14<>"",V14<>"",W14<>"",X14<>"",Y14<>"",Z14<>"",,AA14<>"",AC14<>""),0,1)*
* Please update formula in cell H14 to *=IF(AND(I14<>"",J14<>"",L14<>"",M14<>"",O14<>"",P14<>"",AG14<>"",R14<>"",S14<>"",T14<>"",U14<>"",V14<>"",W14<>"",X14<>"",Y14<>"",Z14<>"",AA14<>"",AC14<>""),0,1)*
* Copy and paste the same formula across the other impacted cells: H17, H18, H19, H20, H23, H26, H27, H28, H29, H32, H33, H34, H35, H37, H38, H39  (i.e. F7a.2 – F7a.17).
 |
| F7b | F7b.1 – F7b.17 | * Current formula (F7b.1): *=IF(AND(I14<>"",J14<>"",L14<>"",M14<>"",O14<>"",P14<>"",AG14<>"",R14<>"",S14<>"",T14<>"",U14<>"",V14<>"",W14<>"",X14<>"",Y14<>"",Z14<>"",,AA14<>"",AC14<>""),0,1)*
* Please update formula in cell H14 to *=IF(AND(I14<>"",J14<>"",L14<>"",M14<>"",O14<>"",P14<>"",AG14<>"",R14<>"",S14<>"",T14<>"",U14<>"",V14<>"",W14<>"",X14<>"",Y14<>"",Z14<>"",AA14<>"",AC14<>""),0,1)*
* Copy and paste the same formula across the other impacted cells: H17, H18, H19, H20, H23, H26, H27, H28, H29, H32, H33, H34, H35, H37, H38, H39  (i.e. F7b.2 – F7b.17).
 |
| F7c | F7c.1 – F7c.17 | * Current formula (F7c.1): *=IF(AND(I14<>"",J14<>"",L14<>"",M14<>"",O14<>"",P14<>"",AG14<>"",R14<>"",S14<>"",T14<>"",U14<>"",V14<>"",W14<>"",X14<>"",Y14<>"",Z14<>"",,AA14<>"",AC14<>""),0,1)*
* Please update formula in cell H14 to *=IF(AND(I14<>"",J14<>"",L14<>"",M14<>"",O14<>"",P14<>"",AG14<>"",R14<>"",S14<>"",T14<>"",U14<>"",V14<>"",W14<>"",X14<>"",Y14<>"",Z14<>"",AA14<>"",AC14<>""),0,1)*
* Copy and paste the same formula across the other impacted cells: H17, H18, H19, H20, H23, H26, H27, H28, H29, H32, H33, H34, H35, H37, H38, H39  (i.e. F7c.2 – F7c.17).
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# Appendix 2: Common areas of feedback from review of early draft submissions

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| --- | --- | --- | --- |
| **Table**  | **Line references** | **Line/column heading** | **Common issue** |
| **A, B and E Tables** |
| A, B, E |  | Properties, population, volumes | Several councils have reported population, properties and volumes in A tables which do not align with those in E tables where we would expect consistency (see below). In some cases, this happened because councils used different sources of information for different tables. We suggest that councils report the figure considered to be the most robust estimate and then assign a confidence grade that allows for appropriate variation. |
| A, B, E | Population: E6.1, B1.4, B1a.4Properties: A1.39, E6.2HH Volumes: E6.3, A2.1, A2.5NHH Volumes: E6.4, A2.8a, A2.15a | Water | Winter population in Table A1 should match E6.1, B1.4 and B1a.4.Total connected properties in Table A1 should match that in E6.2.Water volumes in E6.3 should align with sum of A2.1 + A2.5Water volumes in E6.4 should align with sum of A2.8a + A2.15a |
| A, B, E | Population: A3.58, E7.1Properties: A3.54, E7.4Sludge volumes: A4.53, E10.2 | Wastewater | Winter population in Table A3 should align with E7.1.Total connected properties in Table A3 should match E7.4.Wastewater sludge volumes reported in E10.2 should align with that in A4.53 |
| A, B, E | Population: A3b.55, E7b.1Properties: A3b.1, A3b.7, A3b.19, A3b.44, E7b.4 | Stormwater | Winter population in Table A3b should align with E7b.1.The sum of billed properties in A3b should match E7b.4. |
| A and E | A2.31, E4.5, E4.26 | Distribution input | Several councils have reported different estimates for distribution input in A2 and E4. |
| A and E | A2.31, E4.5, E4.26 | Distribution input | Several councils have requested further information on the definition for distribution input. This is the volume of water put into supply. |
| A and E |  |  | Several councils have not reported the population in the units requested. |
| A4 | A4.29, E8.18 | Total load entering wastewater system (BOD/yr, tonnes)Total load received (kg BOD/day) | Several councils have reported a daily load in E8.18 which does not reconcile with the annual load provided in A4.29 (when divided by 1000 and then 365). |
| A4 | A4.53, E10.2 | Amount of wastewater sludge | Several councils have reported high values of an order of magnitude higher than the equivalent observed in the UK (population adjusted). This suggested that this was not reported in thousand tonnes of dry solids. In addition, some councils reported wet sludge, rather than dried sludge. |
| **A Tables** |
| A1 | n/a | Measured properties | Some councils did not realise that properties with installed meters should be captured as measured even if those properties are not charged on the basis of those meters. These meters still result in additional costs related to meter reading and asset replacement. |
| A1 | A1.43 | Winter - population | Some councils did not realise that winter population refers to the resident population connected to the reticulated water network.  |
| A1 | A1.43, A1.44 | Winter - populationSummer - population | Some councils have reported a summer population that is lower than the winter population. However, we would expect summer population to be higher than winter population. The purpose of summer population (A1.44) is to understand the additional capacity that needs to be provided to meet peak demand in the summer as this can have a material impact on costs. |
| A1 | A1.43 | Winter - population | Several councils have not input the winter population in units of 1000. |
| A1 | A1.44 | Summer - population | Several councils have not input the winter population in units of 1000. |
| A2 | A2.29/A2.30 | Distribution losses / total leakage | Several councils did not realise the difference between the distribution losses and the total leakage. Distribution losses cover losses on the distribution network only, while leakage covers losses across the whole water system. Furthermore, some councils have not realised that total leakage should include distribution losses.  |
| A2 | A2.1, A2.5, A2.8a and A2.15a  | Water delivered to household and non-household customers | For some councils, the potable water delivered in A2.25 did not align with the water delivered to households and non-households (the sum of A2.1, A2.5, A2.8a and A2.15a). |
| A2 | A2.32 | Difference in water balance | Some councils did not understand what information is to be provided in this line. This is to record the difference between the water put into supply in line A1.31 and the uses of that water which is the sum of lines A2.25 to A2.30. |
| **B Tables** |
| B1 | B1.7 | % population affected by hosepipe restrictions | Several councils did not realise that these included advisory notices to conserve water. |
| B2, E6 | B2.9, E6.12 | Properties below reference level at end of yearProperties reported for low pressure | Some councils have reported conflicting numbers of properties experiencing low pressure in B2 and E6. We encourage councils to ensure that they are capturing all incidences of low pressure/flow. The appropriate reference level is 10 m head for pressure and 9 litres/minute for flow. |
| B2 | B2.9 | Properties below reference level at end of year | Some councils did not include rural schemes in New Zealand that receive low pressure. We ask that councils also capture properties from these schemes in this line. |
| B3, B3a, B3b, B3c |  | Sewer flooding | Some councils did not include all incidents of sewer flooding in these tables.  |
| B3, B3a, B3b, B3c |  | Sewer flooding | Some councils reported zero incidents of habitable floor or external flooding when it is just that they do not collect this information. We ask that councils provide an estimate based on the best available information (e.g. complaints received) and apply confidence grades to reflect the underlying uncertainty. |
| B4 - B6 | All | Enquiries (Three Waters)Contacts and Complaints (Three Waters)Other (Three Waters) | Several councils have not reported figures here. We ask that councils provide an estimate from contacts received for all council services that relate to three waters and apply confidence grades to reflect the underlying uncertainty. |
| B5 | All | Contacts and Complaints (Three Waters) | Some councils noted that their RFS systems do not record the split between written versus telephone contacts and complaints. In this instance, we advise councils to make an approximation of the % allocation after looking at, say, a month long sample. If you take this approach, we recommend this in tandem with appropriate confidence grades. |
| B8 | B8.12 | Number of unsatisfactory intermittent discharges | Several councils requested further definition on unsatisfactory intermittent discharges. An unsatisfactory discharges is identified (otherwise known as unsatisfactory intermittent discharges or UIDs) on the basis of six failure criteria: - Causes significant visual or aesthetic impact due to solids or fungus or has a history of justified public complaint - Causes or makes a significant contribution to a deterioration in chemical or biological status - Causes or makes a significant contribution to a failure to comply with required consents- Operates in dry weather conditions- Operates in breach of licence conditions provided that they are still appropriate, and/or - Causes a breach of water quality standards.An existing discharge which meets one or more of the above criteria is classed unsatisfactory and will require improvement to address the failing criteria only. For example, if the discharge is deemed unsatisfactory due to the presence of sewage solids in the watercourse, screening to the required standard will be the only substantial change when reviewing the licence. |
| **C Tables** |
| C1 | C1.1b | Number of determinands taken – continuous monitoring | Several councils have reported a low number of continuous samples taken. This arose because they reported a daily figure rather than an annual figure. |
| C1 | C1.5, C1.6 |  | Several councils reported that there is no maximum acceptable value for total or faecal coliforms. Councils should include samples that have total or faecal coliforms present at any concentration. |
| C4 | C4.19, C4.21 | Number of discharges confirmed as failingPercentage population equivalent confirmed as failing | Some councils have reported dicharges confirmed as failing in C4.19, but 0% for the population equivalent served by discharges that are failing in C4.21. We would expect a population equivalent of >0% in C4.21.  |
| C6 | C6.10, C6.23, C6.27, C6.31 |  | Some councils considered that the RFI only requested information on combined sewer overflows; however, these lines also include discharges from stormwater systems or wastewater sewers. |
| **E Tables** |
| E1, E2, E2b | All | Activity costings | Some councils have reported costs in NZ$ rather than NZ$000 |
| E1, E2, E2b | All | Activity costings | Several councils have only provided service totals for operating expenditure. We ask that councils try to estimate a breakdown of costs by value chain activity in the relevant columns. |
| E1, E2, E2b | E1.13 - E1.15E2.12 - E2.14E2b.12 - E2b.14 | Business activity opex:Customer servicesScientific servicesOther business activities | Some councils have not reported costs in these lines. We would expect that the three waters would provide a contribution to council wide customer service costs (e.g. billing, collection, call centres etc). |
| E1, E2, E2b | E1.22, E2.21, E2b.21 | Total opex - waterTotal opex - wastewaterTotal opex - stormwater | Some councils have reported operating expenditure which does not align with total operating costs (application of operating funding) less finance costs reported in the relevant funding impact statement for that activity as reported in the council annual accounts. We ask that councils provide commentary reconciling the two if there is a disparity. |
| E1, E2, E2b | E1.23, E1.24E2.22, E2.23E2b.22, E2b.23 | Reactive and planned maintenance infrastructureReactive and planned maintenance non-infrastructure | Some councils have not included these costs in direct costs (e.g. E1.1 to E1.9 in the water service tables). These should be included in direct costs as well as reported in reactive and planned maintenance. |
| E1, E4 | E1.1, E1.2, E1.6, E1.10 - E1.12E4.15 - E4.19 | Employment costs, Power costs, Service charges, General and support expenditure, Functional Expenditure | Some councils reported different functional expenditure for water resources and treatment in E1 and E4. These should reconcile. |
| E2, E8, E10 | E2.1 - E2.11E8.1 - E8.42E10.3 - E10.11 | Direct costs, General and support expenditure, Functional Expenditure | Some councils reported different functional expenditure for sewage treatment in E2 and E8. Similarly, some councils reported different functional expenditure for sludge in E2 and E10. These should reconcile. |
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| E7 | E7.3 | Volume of wastewater collected (daily average) | Some councils have reported very large volumes suggesting that they have not reported this in thousand cubic metres per day. |
| E11 | All  | Employee NumbersManagement and General Assets | Some councils note that they have double counted in instances where employees/assets serve all three water services. If this is the approach taken, we ask that councils note the actual number (total excluding double counting) in the commentary cells. |
| **G Tables** |
| G | All | Unconstrained view | Some councils have not provided their full list of known investment requirements. Some things to consider in the unconstrained view include investment to extend three waters coverage, to increase seismic resilience, to meet higher quality standards, to reduce carbon footprint, to deal with engineered overflows.  |
| G1 | G1.6 | Total quality enhancement | Many councils have reported low projected quality enhancement investment than would expect. Councils are encouraged to bear in mind the ambition of Taumata Arowai and, in particular, their likely focus on increasing standards for other water quality parameters (e.g. total coliforms, colour, turbidity, iron, manganese, THMs, organics).  |
| G1 | G1.3b | Additional properties connected in the year | Some councils have not provided commentary on whether these include properties connected to all three waters and whether the growth relates to new development, or extending coverage to connect customers currently receiving a private supply. |
| G | All | All investment projections | We encourage councils to include any long term investment needs beyond 2031 in Section G. Councils are welcome to report this in increments (say 5 or 10 years) or if it is easier then it can be included in the final year column. We ask that councils explain in the commentary cells where this investment has been included. |
| G1, G2, G3 and G4 |  | G1.29 | For some councils, the total operating expenditure reported in G1.29 over 2019-31 does not align with the sum of the totals reported in G2.6, G3.6 and G4.6. |
| **J Tables** |
| J1 | all | Asset replacement cost | Some councils reported a point estimate or very narrow range for the asset replacement cost. We ask that councils provide the lowest and highest possible replacement cost given their engineering and asset management judgement.  |
| J1 | All  | Replacement cost | Several councils input the replacement cost in NZ$ however the tables requires costs to be reported in NZ$000,000. |
| J1 | All  | Asset lives | For some categories of assets, several councils have reported very high asset lives when compared to external benchmarks. An example is water meters with an asset lifetime greater than 50 years. |
| J1 | All that are relevant | Asset lives | Some councils interpreted the range for asset lifetime based on the asset life of the component with the shortest asset life, and the asset life of the component with the longest asset life. This has resulted in a very wide range for pumping stations for example (e.g. 15-100 years). Councils should provide the overall range based for each asset listed. This could, for example, involve weighting the asset lives of the components by the relative asset values. |
| J1 | J1.28 | Sub-contracted services | One council noted that the majority of their business services costs are subcontracted. As such, they asked if they should add replacement costs for items such as buildings, telemetry, vehicle fleet, etc. We would like to see these included in the table with a comment to explain. |
| J2, E6/E7/E7b | Mains: E6.7, J2.1-J2.7WW Sewers: E7.8, J2.8 - J2.14SW Sewers: E7b.8, J2.15 - J2.23 | Length of mains, length of sewer, length of stormwater sewer | Several councils have reported network lengths in E6-E7b which do not align with those reported in J2. |