



Notice is hereby given that a Meeting of the Te Anau Basin Water Supply Subcommittee will be held on:

**Date:** Tuesday, 30 June 2020  
**Time:** 1.30pm  
**Meeting Room:** Southland District Council Te Anau Office  
**Venue:** 116 Town Centre  
Te Anau

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## **Te Anau Basin Water Supply Subcommittee Agenda OPEN**

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### **MEMBERSHIP**

<b>Chairperson</b>	Keith Thompson
<b>Members</b>	Henry Douglas
	Murray Hagen
	Scott Harpham
	Bill Hunter
	Graham Johnston
	Rex Millar
	Councillor Kremer

### **IN ATTENDANCE**

<b>Manager Operations - Water and Waste</b>	Bill Witham
<b>Committee Advisor</b>	Rose Knowles

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Website: [www.southlanddc.govt.nz](http://www.southlanddc.govt.nz)

**Full agendas are available on Council's Website**  
**[www.southlanddc.govt.nz](http://www.southlanddc.govt.nz)**

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**Note:** The reports contained within this agenda are for consideration and should not be construed as Council policy unless and until adopted. Should Members require further information relating to any reports, please contact the relevant manager, Chairperson or Deputy Chairperson.



## Terms of Reference – Water Supply Subcommittees– Te Anau Basin, Five Rivers, Matuku

<b>TYPE OF COMMITTEE</b>	Subcommittee
<b>SUBORDINATE TO</b>	Fiordland and Northern Community Board
<b>LEGISLATIVE BASIS</b>	Subcommittees delegated powers by Council as per schedule 7, clause 32, LGA 2002.
<b>MEMBERSHIP</b>	<p><b>Te Anau Basin Water Supply Subcommittee (Fiordland Community Board)</b></p> <p>The total membership of the Te Anau Basin Water Supply Subcommittee will be nine. Membership of the subcommittee shall be determined by an election at a triennial public meeting.</p> <p>The subcommittee representation shall comprise:</p> <ul style="list-style-type: none"> <li>a water supply consumer from each of the following areas: <ul style="list-style-type: none"> <li>Duncraigen</li> <li>Homestead</li> <li>Kakapo</li> <li>Mt York</li> <li>Princhester</li> <li>Ramparts</li> <li>Takitimu</li> </ul> </li> <li>two representatives appointed by Landcorp.</li> </ul> <p><b>Matuku Water Supply Subcommittee (Northern Community Board)</b></p> <p>The total membership of the Matuku Water Supply Subcommittee will be six plus a councillor.</p> <p>The chairperson shall be elected by the vote of the subcommittee.</p> <p><b>Five Rivers Water Supply Subcommittee (Northern Community Board)</b></p> <p>The total membership of the Five Rivers Water Supply Subcommittee will be six members plus a councillor.</p> <p>The chairperson shall be elected by the vote of the subcommittee.</p>
<b>QUORUM</b>	<p>Te Anau Basin Water Supply Subcommittee – 5</p> <p>Matuku Water Supply Subcommittee – 4</p> <p>Five Rivers Water Supply Subcommittee – 4</p>
<b>FREQUENCY OF MEETINGS</b>	<p><b>Te Anau Basin Water Supply Subcommittee</b></p> <p>Three meetings per annum or as required.</p> <p><b>Matuku Water Supply and Five Rivers Water Supply Subcommittee</b></p> <p>One meeting per annum or as required.</p>
<b>SCOPE OF ACTIVITIES</b>	The activity of Southland District Council's Water Supply Subcommittees is framed by Council policies and plans. The responsibilities of these water supply subcommittees include:

	<ul style="list-style-type: none"> <li>• providing feedback to Council officers on relevant plans and strategies (including asset management plans)</li> <li>• receiving operational and financial reports</li> <li>• community engagement and representing community views to Council.</li> </ul>
<b>DELEGATIONS</b>	<p><b>Power to Act</b></p> <p>The Te Anau Basin, Matuku and Five Rivers Water Supply Subcommittees shall have the following delegated powers and be accountable to the relevant community board for the exercising of these powers:</p> <ul style="list-style-type: none"> <li>(a) power to recommend the annual budget relating to the relevant water supply scheme</li> <li>(b) power to approve expenditure outside Council's authorised officer levels but within the budget of the water supply schemes. All decisions to approve expenditure outside Council's authorised officer levels must be made by way of a resolution at a meeting of the water supply subcommittees. Any such decisions must be reflected in the minutes of the meeting</li> <li>(c) power to approve new connections to the relevant water supply scheme</li> <li>(d) power to approve expenditure outside of the relevant annual budget for emergency works</li> <li>(e) policies relating to water schemes.</li> </ul> <p>In addition to the power to approve expenditure outside of the relevant annual budget for emergency works, this committee can also recommend unbudgeted expenditure to the relevant Community Board and Council for approval.</p>

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## **1 Apologies**

At the close of the agenda no apologies had been received.

## **2 Leave of absence**

At the close of the agenda no requests for leave of absence had been received.

## **3 Conflict of Interest**

Committee Members are reminded of the need to be vigilant to stand aside from decision-making when a conflict arises between their role as a member and any private or other external interest they might have.

## **4 Public Forum**

Notification to speak is required by 5pm at least two days before the meeting. Further information is available on [www.southlanddc.govt.nz](http://www.southlanddc.govt.nz) or phoning 0800 732 732.

## **5 Extraordinary/Urgent Items**

To consider, and if thought fit, to pass a resolution to permit the committee to consider any further items which do not appear on the Agenda of this meeting and/or the meeting to be held with the public excluded.

Such resolution is required to be made pursuant to Section 46A(7) of the Local Government Official Information and Meetings Act 1987, and the Chairperson must advise:

- (i) the reason why the item was not on the Agenda, and
- (ii) the reason why the discussion of this item cannot be delayed until a subsequent meeting.

Section 46A(7A) of the Local Government Official Information and Meetings Act 1987 (as amended) states:

"Where an item is not on the agenda for a meeting,-

- (a) that item may be discussed at that meeting if-
  - (i) that item is a minor matter relating to the general business of the local authority; and
  - (ii) the presiding member explains at the beginning of the meeting, at a time when it is open to the public, that the item will be discussed at the meeting; but
- (b) no resolution, decision or recommendation may be made in respect of that item except to refer that item to a subsequent meeting of the local authority for further discussion."

## **6 Confirmation of Minutes**

- 6.1 Meeting minutes of Te Anau Basin Water Supply Subcommittee, 9 December 2019.



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## **Te Anau Basin Water Supply Subcommittee**

### **OPEN MINUTES**

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Minutes of a meeting of Te Anau Basin Water Supply Subcommittee held in the Southland District Council Te Anau Office Te Anau , 116 Town Centre, Te Anau on Monday, 9 December 2019 at 2.00pm.

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#### **PRESENT**

**Chairperson**  
**Members**

Keith Thompson  
Henry Douglas  
Graham Johnston  
Scott Harpham  
Rex Millar

Landcorp arrived 1.45pm

#### **APOLOGIES**

Murray Hagen  
Councillor Kremer

#### **IN ATTENDANCE**

**Committee Advisor/Customer Support Partner**  
**Manager Operations - Water and Waste**

Jenny Labruyère  
Bill Witham



## 1 Apologies

Apologies for non-attendance were lodged by member Hagen and Councillor Kremer.

Moved member Douglas, seconded member Millar and **resolved:**

**That the Te Anau Basin Water Supply Subcommittee accept the apologies for non-attendance lodged by member Hagen and Councillor Kremer.**

## 2 Leave of absence

There were no requests for leave of absence.

## 3 Conflict of Interest

There were no conflicts of interest declared.

## 4 Public Forum

There was no public forum.

## 5 Extraordinary/Urgent Items

There were no Extraordinary/Urgent items.

## 6 Confirmation of Minutes

### Resolution

Moved member Johnston, seconded member Millar **and resolved**

**That the minutes of Te Anau Basin Water Supply Subcommittee, held on 30 September 2019 be confirmed as a true and correct record.**

## Reports

### 7.1 Financial Report for the year ended 30 June 2019

**Record No: R/19/12/27952**

Operations Manager, Water and Waste, Bill Witham presented this item.

Mr Witham advised that the financial results have been reviewed by Audit New Zealand and are the final results for the year ending 30 June 2019.

In discussing the report members enquired as to the final costings for the Kakapo tank replacement being \$101,734 and sort clarification of the costings.

**Resolution**

Moved member Millar, seconded member Douglas **and resolved**

**That the Te Anau Basin Water Supply Subcommittee:**

- a) **Receives the report titled "Financial Report for the year ended 30 June 2019" dated 4 December 2019.**
- b) **Requested clarification on final costings for the Kakapo tank replacement.**

**7.2 Financial Report for the period ended 31 October 2019**

**Record No: R/19/12/27977**

Operations Manager, Water and Waste, Bill Witham presented this item.

Mr Witham advised the purpose of the report is to provide financial report and the operational report for Downer to the end of October 2019.

In discussing the report members requested clarification on the \$42,748 spent to date on the Ramparts supply.

**Resolution**

Moved member Johnston, seconded member Douglas **and resolved**

**That the Te Anau Basin Water Supply Subcommittee:**

- a) **Receives the report titled "Financial Report for the period ended 31 October 2019" dated 4 December 2019.**
- a)
- b) **Requested clarification on the \$42,748 spent to date on the Ramparts supply.**

**7.3 Unbudgeted Expenditure - Replacement Pump for Kakapo Intake**

**Record No: R/19/12/27943**

Operations Manager, Water and Waste, Bill Witham presented this item.

Mr Witham advised the purpose is to seek a recommendation that council approves unbudgeted expenditure to replace a pump at the Kakapo Water intake

Mr Witham outlined that the Kakapo intake pumps are both well beyond their design lives and should the main pump fail, the current backup pump would not be able to meet demand over the summer months. A replacement pump may take several weeks to procure and install.

Mr Witham added that the pump replacement work cost has been quoted at \$13,800 plus approximately \$2,000 for installation adding that there is no currently budget for this work.

Mr Witham advised that Council staff have been approached by the operation contractor (Downer) who have expressed concerns with the risk of disruption to the Kakapo Rural water scheme arising from the age of the installed pumps adding that the risk can be significantly addressed by replacing the older of the two pumps with a new unit.

**Resolution**

Moved member Johnston, seconded member Millar **and resolved**

**That the Te Anau Basin Water Supply Subcommittee:**

- a) **Receives the report titled “Unbudgeted Expenditure - Replacement Pump for Kakapo Intake” dated 4 December 2019.**
- b) **Determines that this matter or decision be recognised as not significant in terms of Section 76 of the Local Government Act 2002.**
- c) **Determines that it has complied with the decision-making provisions of the Local Government Act 2002 to the extent necessary in relation to this decision; and in accordance with Section 79 of the act determines that it does not require further information, further assessment of options or further analysis of costs and benefits or advantages and disadvantages prior to making a decision on this matter.**
- d) **Recommends that council approve unbudgeted expenditure of \$16000 to proceed with procuring and installing a new pump at Kakapo intake to be funded by available reserves with the balance funded by a loan if necessary.**

**7.4 Direction-setting for Annual Plan 2020/2021**

**Record No: R/19/11/26775**

Operations Manager, Water and Waste, Bill Witham presented this item.

Mr Witham advised the purpose of this report is to confirm the direction determined for the third year of the Long Term Plan 2018-2028.

The subcommittee considered the information in the report and made some changes which are reflected in the resolution below.

In discussing the report members agreed to reduce the routine maintenance budget from \$60,000 down to \$20,000 as it was not believed the full total is required during the 2020-2021 year.

**Resolution**

Moved member Johnston, seconded member Douglas **and resolved**

**That the Te Anau Basin Water Supply Subcommittee:**

- a) **Receives the report titled “Direction-setting for Annual Plan 2020/2021”**

- b) Determines that this matter or decision be recognised not significant in terms of Section 76 of the Local Government Act 2002.
- c) Determines that it has complied with the decision-making provisions of the Local Government Act 2002 to the extent necessary in relation to this decision; and in accordance with Section 79 of the Act determines that it does not require further information, further assessment of options or further analysis of costs and benefits or advantages and disadvantages prior to making a decision on this matter.
- d) Recommends that the budgets for the year commencing 1 July 2020 be adopted for inclusion in Council's Draft 2020/2021 Annual Plan with the following changes:
  - (i) Requests that the Te Anau Basin Water Supply reduce the maintenance routine budget for Kakapo and Mount York Schemes installation of flow meters from \$60,000 to \$20,000
- e) Recommends to Council the setting of the following rates and charges (including GST) for the year commencing 1 July 2020 based on the approved budgets in (d) above.

<u>Rate Description</u>	<u>Rate</u> <u>(GST Incl)</u>
Te Anau Rural Water Rate	<del>\$437,024</del> -\$391,024

The meeting concluded at 2.05pm

CONFIRMED AS A TRUE AND CORRECT RECORD AT A  
MEETING OF THE TE ANAU BASIN WATER SUPPLY  
SUBCOMMITTEE HELD ON MONDAY 9 DECEMBER  
2019.

**DATE:**.....

**CHAIRPERSON:**.....

## **Financial Report for the period ended 30 April 2020**

**Record No:** R/20/6/21971  
**Author:** Bill Witham, Manager Operations - Water and Waste  
**Approved by:** Matt Russell, Group Manager Services and Assets

☐ Decision ☐ Recommendation ☒ Information

### **Water and Waste Engineer's Report**

- 1 The monthly operations report for Downer has been included with this report. The report includes data on Downer's district wide operations activities.
- 2 The Kakapo scheme experienced further disruptions this month due to two failures of the rising main. Council staff are assessing if a project should be included in the next Long Term Plan to replace the lower section of this line.

### **Project list**

- 3 The table below shows all of the projects that are currently planned for Te Anau Rural Water Supply in 2019/20.

<b>Project Name</b>	<b>Type</b>	<b>Year</b>	<b>Budget</b>	<b>Staff Comments</b>
Consent renewal preparation (Ramparts)	REN	2018/19	\$13,665	Underway
Consent renewal preparation (Kakapo)	REN	2018/19	\$13,617	Underway
Consent renewal preparation (Homestead)	REN	2018/19	\$20,000	Underway
Consent renewal preparation (Princhester)	REN	2018/19	\$12,815	Complete

### **Financial Considerations**

#### **Loans**

- 4 The table below outlines the community loans as at 30 June 2018. The interest rate applicable on these loans for the 2018/19 year is 4.65%.

	<b>Business Unit</b>	<b>Balance June 2017</b>	<b>Years Remaining</b>
Electrical Upgrade	26960	\$7,315	3

## **Reserves**

- 5 Reserves are projected as:

	<b>Opening balance 30 June 19</b>	<b>Long Term Plan balance at 30 June 20</b>	<b>Forecast Closing 30 June 20</b>
Te Anau Rural General Reserve	\$10,488	\$1,525	\$10,488

## **Recommendation**

**That the Te Anau Basin Water Supply Subcommittee:**

- a) **Receives the report titled “Financial Report for the period ended 30 April 2020” dated 18 June 2020.**

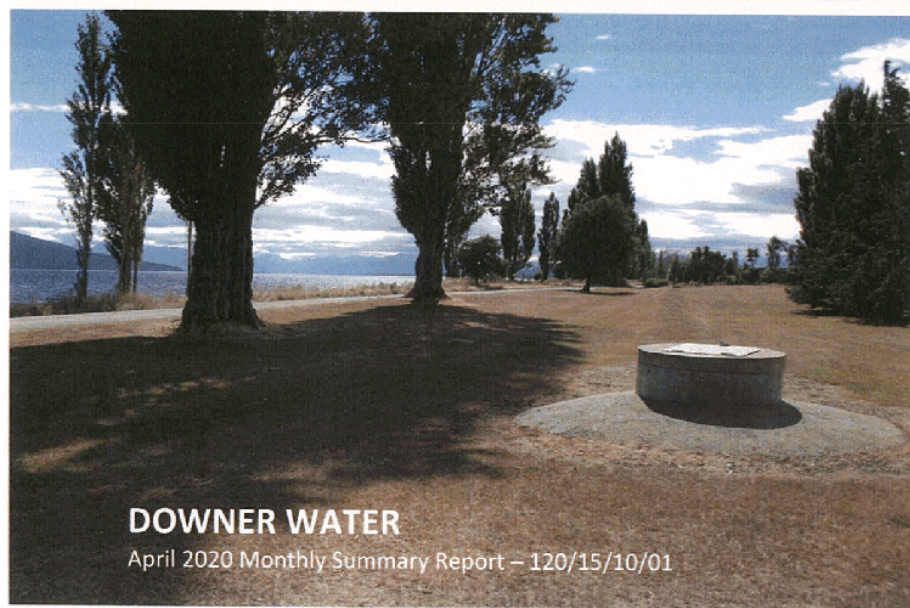
## **Attachments**

- A Downer Monthly Report April 2020 [↓](#)  
B Downer Monthly Summary Report April 2020 [↓](#)





Southland District Council  
Water and Wastewater Maintenance Contract



**DISTRIBUTION**

This Monthly Summary Report 120/15/10/01 has been distributed to:

Copy No.	Holder	Contract Position	Company
01	Ian Evans	Strategic Manager: Water and Waste Services	SDC
02	Grant Isaacs	Operations Manager: Water and Waste Services, Strategic Water and Waste	SDC
03	Bill Witham	Contracts Manager: Water and Waste Services	SDC
04	Talita Aitken	IPS Data Analyst: Water and Waste Services	SDC
05	Bevan McKenzie	Project & Programme Manager: Water and Waste Services	SDC

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2. Health and Safety
3. Quality Assurance and Compliance
4. KPI Summary

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## 1. EXECUTIVE SUMMARY

### COMPLIANCE (DRINKING WATER)

- All drinking water compliance testing was completed and carried out as per NZDWS.
- All samples were absent of Escherichia Coli.

### COMPLIANCE (ENVIRONMENTAL WASTEWATER)

- There were no non-compliant tests during April.

### FINANCIAL

#### MISC MINOR WORKS APRIL 2020

Riverton WTP Chemicals	4,389.02	Chemicals & Filters Riverton WTP April 2020
Riverton WTP Mixing Chemicals	347.12	Mixing chemicals April 2020
Curio Bay Pump Checks	255.37	Curio Bay Pump Checks April 2020
New compressor Edendale/Wyndham WWTP	387.26	Install new compressor Edendale/Wyndham WWTP
Reinstatement of Caswell Rd protrusion	228.15	Reinstatement of Caswell Rd protrusion (Invoice 1136237)
Te Anau WTP Turbidity Meter	12,447.06	Install new turbidity meter Te Anau WTP
Repair Eastern Bush Mains Burst	3,395.06	Repair Eastern Bush Mains Burst April 10, 2020
SCADA reset issues	1,780.20	SCADA reset issues
Depolox Chlorine Analyser Te Anau WTP & spare	29,135.34	Installation of new Depolox Chlorine Analyser Te Anau WTP & district wide spare
Walker Road, Lumsden/Balfour	2,367.98	Walker Road, Lumsden/Balfour – repairs due to flooding
Milford Highway	8,932.48	Milford Road – valve work 300mm valve
27 Helena Street, Lumsden	2,424.05	27 Helena Street, Lumsden – stormwater connection
Prince/McKenzie St, Winton	7,986.28	Prince/McKenzie St, Winton – repair leak
151 Park Street, Winton	5,934.19	151 Park St, Winton – repair 150mm PE Saddle
Coldmix Reinstatement Costs	3,153.37	Coldmix reinstatement extra costs as per NTE41
29 Gunn Street, Te Anau	5,160.01	29 Gunn Street, Te Anau – repair water leak in road seal and reinstate
Ohai WTP – membrane & HMI issues	5,422.37	Ohai WTP – membrane & HMI issues
<b>TOTAL</b>	<b>\$93,745.31</b>	

All claims and invoices for completed work were certified and accepted.

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**HEALTH & SAFETY**

- There were no incidents reported in April 2020
- Due to Covid 19 there was no Monthly tool box meeting held in April 2020.

**QUALITY ASSURANCE**

- There were no NCR/OFI's issued during April 2020.
- There was no instance of rework or product failure during the month.

**PLANNED POWER INTERRUPTIONS**

- There were no planned power interruptions in April 2020

**STAFFING**

✚ Contract staff levels are currently sixteen permanent employees. This is made up of five management, administration and QA staff and eleven field staff.

✚ Training Completed in April:

✚ STMS Refresher – Ricky Sinclair

✚ Diploma in Water Treatment Level 5 – Dale Elm has commenced studies

✚ Training scheduled for May:

✚ Nil

SUMMARY



150 PE saddle failure – 31 Prince Street, Winton

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Fire Hydrant Replacement Matai Street, Te Anau

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300mm valve replacement on Milford Road

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Kakapo Rural Scheme Exposed Main



Repairing farmer damage on the Kakapo Scheme

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UFB service strike Evelyn Street, Riverton

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Nightcaps Reservoir Tidy Up

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## 2. HEALTH & SAFETY

### HEALTH & SAFETY INDICATORS:

Description	Employees	Sub-Contractor
	Current Month	Current Month
Number of Fatalities	0	0
Number of Lost Time Injuries	0	0
Number of Days lost due to LTI's	0	0
Number of Medical Treatment Injuries	0	0
Number of First Aid Treatment Injuries	0	0
Number of Near misses	0	0
Number of Property/Plant Damages	0	0
Number of hours Worked	2682.73	134.5
LTI Incidence Rate (1 million Hrs.)	0.0	0.0

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### 3. QUALITY ASSURANCE & COMPLIANCE

All potable water samples taken were found to be absent of any e-coli presence. All water and wastewater field sampling was carried out by an independent sampling subcontractor. All water and wastewater samples are tested at an IANZ accredited laboratory, Water Care Laboratory Services in Invercargill. Both site and field sampling results are reported through to Council as well as being logged on our WaterOutlook system.

Description	Number
Water scheme laboratory tested samples taken for month: E-coli, UVT and P2	246
Wastewater scheme sampling completed for month	0
Wastewater scheme site samples taken for month	0
Wastewater scheme laboratory tests completed for month	0
Non-conformance reports received	0
OFl reports received	0
Site audits conducted	1

#### NZDWS

All Escherichia Coli monitoring for bacteria compliance were fully compliant, with samples all being absent of Escherichia Coli.

Bacteria compliance requires field testing of FAC, pH and turbidity of the water leaving the water treatment plants. The field sampling for these parameters were fully compliant, apart from turbidity on the Eastern Bush Otahu Flat and Orawia Water Supply. The supplies which use UV disinfection for protozoa compliance were monitored for UV transmittance as per the NZDWS, to ensure the UV reactors were disinfecting the water acceptably and all of these tests were compliant.

#### RESOURCE MANAGEMENT ACT

No Wastewater sampling was completed in April due to the Covid19 lock down. Environment Southland put all wastewater sampling on hold during Level 4 as they deemed Wastewater sampling wasn't essential during Lockdown. All of April's Wastewater sampling will be completed in May.

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## 4. KEY PERFORMANCE INDICATORS – APRIL 2020

	No.	Key Performance Indicator	Method Of Monitoring	Target	Compliance Y, N or N/A
Health & Safety	1.	Compliance with Contractor's approved Health & Safety Plan	Self-audit plus independent audit	100%	Y
	2.	Feedback on near misses	Monthly reports on incidents and lessons learnt	Any/All incidents reported each month	Y
	3.	Lost time Health & Safety incidents on this contract	Monthly reports on lost time incident hours/hours worked	0.00035% Lost time of total hours worked to date	Y
Wastewater	4.	Percentage compliance with wastewater Resource Consent determinands. <b>Downer to apply for dispensation for Stewart Island and Ohai.</b>	Monitoring programme as required by Resource Consent <b>(Dispensation sought for Stewart Island)</b>	100% 100%	Not done in April due to Covid 19
	5.	Percentage samples taken in accordance with the Resource Consent requirements <b>(Dispensation to be requested if required).</b>	Monitoring programme as required by Resource Consent	100% 100%	Not done in April due to Covid 19
	6.	Number of system failures and pollution incidents (overflows) per year across all systems (not including private)	Data from HANSEN IPS	Less than 20 1	Y
	7.	Percentage of Requests for Service responded to within required timeframes – wastewater	Data from HANSEN IPS	100% 100%	Y

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Water	8.	Percentage of water lab tests that meet the requirements of the NZDWS 2005 (for plants upgraded to meet the NZDWS 2005 standard)	WINZ	100% 100%	Y						
	9.	Number of complaints regarding drinking water quality per year across all systems. (Dispensation to be requested if required)	Data from HANSEN IMS	Less than 65 0	Y						
	10.	Number of complaints regarding drinking quantity and supply of water, over and above 48 hour storage period.	Data from HANSEN IMS	Less than 130 0	Y						
	11.	Percentage of urban water system fire hydrant inspections that meet SNZ PAS 4509:2003	Data from HANSEN IMS	Not less than 95%	Not Started Yet						
	12.	Number of non-notified shutdowns across all urban water systems	Data from HANSEN IMS	Not more than 20 2 (TOTAL)	Y						
	13.	Percentage of Requests for Service responded to within required timeframes - water	Data from HANSEN IMS	Not less than 90% 100%	Y						
Performance Evaluation	A Total number of Y's				10						
	B Total number of N's				0						
	A + B				10						
	OPR = 100 X (A/(A+B)) %										
JUL 19	AUG 19	SEP 19	OCT 19	NOV 19	DEC 19	JAN 20	FEB 20	MAR 20	APR 20	MAY 20	JUN 20
100%	100%	83%	100%	100%	92%	92%	92%	92%	100%	100%	

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PERFORMANCE SCORING TABLE

OPM Score (%)	RATING	DESCRIPTION
91-100	Excellent	Awarded when requirements are consistently met in an outstanding manner
76-90	Above Average	Requirements fully covered in all material aspects, and being proactive
60-75	Average (proactive)	Outputs adequate and performance is adequate
50-59	Average (reactive)	Outputs adequate but in a reactive mode
40-49	Below Average	Barely adequate: Some deterioration in services
40 or less	Poor	Unacceptable: Serious deterioration of services

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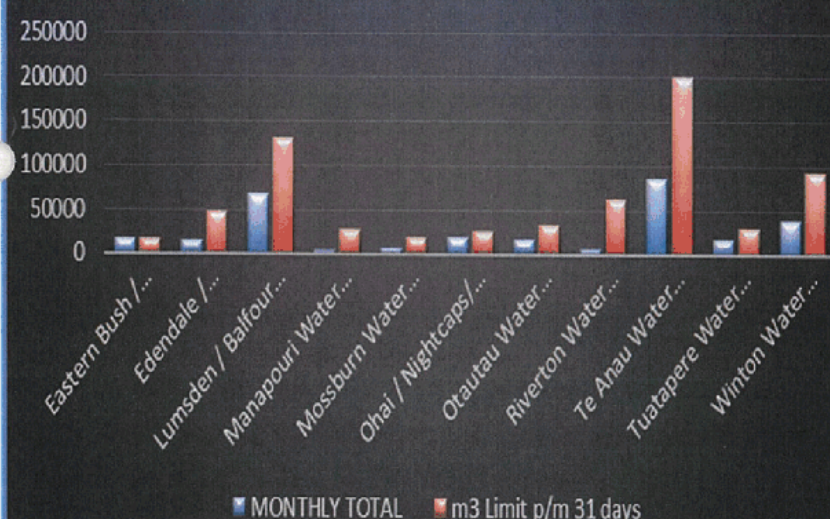
# SOUTHLAND DISTRICT COUNCIL—WATER AND WASTEWATER MAINTENANCE CONTRACT

120/15/10/01

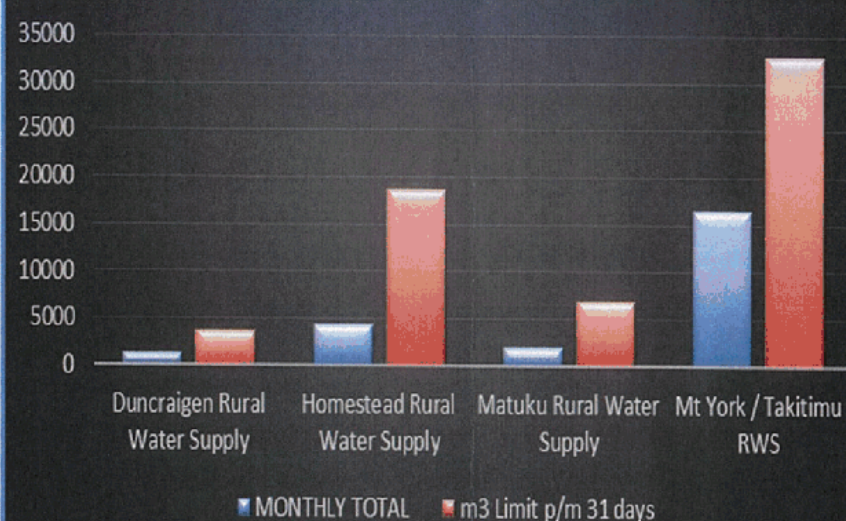
## MONTHLY SUMMARY REPORT - APRIL 2020



### URBAN WATER SUPPLY WATER TAKE COMPLIANCE



### RURAL WATER SUPPLY WATER TAKE COMPLIANCE



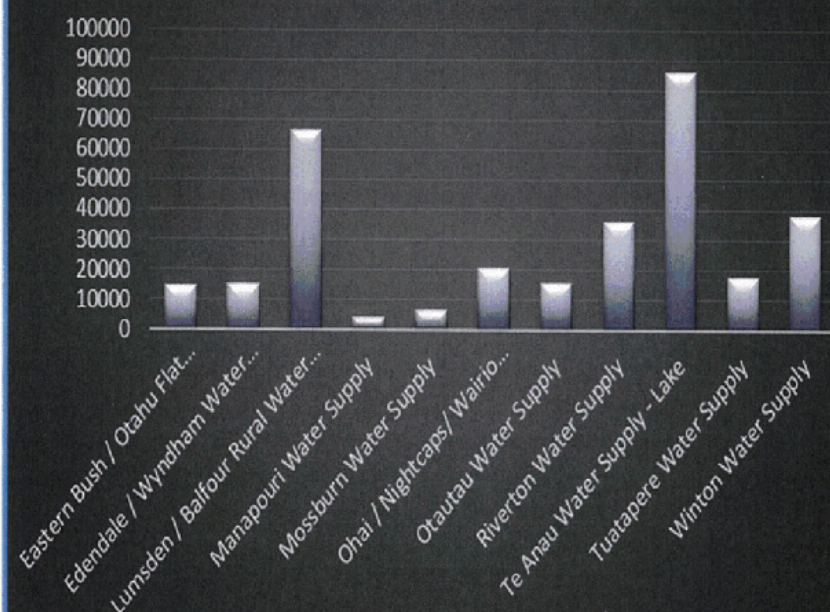
### MINOR CAPEX WORK

	TOTAL CLAIMED
Minor Capital Work	\$ 72,509.33
TOTAL	\$ 72,509.33

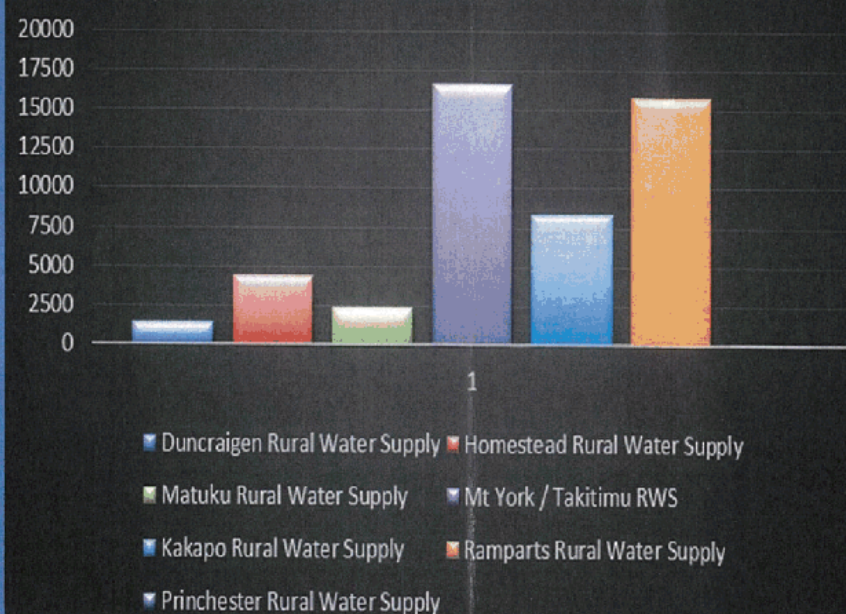
### CLAIM SUMMARY

	TOTAL CLAIMED
SDC O&M Lump Sum	\$ 241,290.22
SDC O&M Capital Works	\$ 72,509.33
TOTAL	\$ 313,799.55

### WATER TREATMENT PLANT INTAKE - URBAN WATER SUPPLY



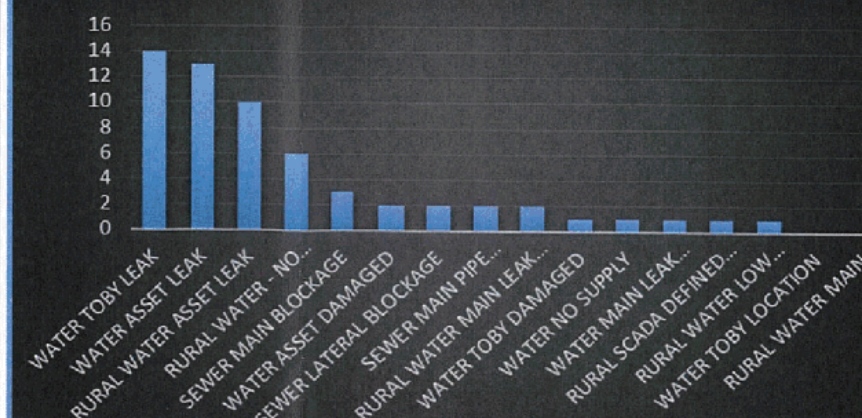
### WATER TREATMENT PLANT INTAKE - RURAL WATER SUPPLY



### LOST DAY INJURES / MEDICAL TIME INJURIES



### SERVICE REQUESTS RECEIVED









## **Unbudgeted Expenditure Request - Solar Power Unit for Takitimu Reservoir**

**Record No:** R/20/3/6066  
**Author:** Joe Findley, Projects Manager  
**Approved by:** Matt Russell, Group Manager Services and Assets

☒ Decision

☐ Recommendation

☐ Information

### **Purpose**

- 1 The purpose of this report is to seek approval from the Te Anau Basin Water Supply Subcommittee in support of the unbudgeted expenditure required to install a solar power unit at the Takitimu Reservoir.

### **Executive Summary**

- 2 The Takitimu Rural Water Scheme reservoir has an existing electrical supply which is fed through a private dwelling. This dwelling is now a rental property and has intermittent power interruptions when there are no tenants in the property. These power interruptions cause a loss of communications between the reservoir and the intake pumps, causing issues with the successful operation of the water scheme.
- 3 The power issue can be rectified through the installation of a solar power unit at the reservoir site. This would require unbudgeted expenditure of \$5,100.00 to complete the installation.

## **Recommendation**

**That the Te Anau Basin Water Supply Subcommittee:**

- a) Receives the report titled “Unbudgeted Expenditure Request - Solar Power Unit for Takitimu Reservoir” dated 19 June 2020.**
- b) Determines that this matter or decision be recognised as not significant in terms of Section 76 of the Local Government Act 2002.**
- c) Determines that it has complied with the decision-making provisions of the Local Government Act 2002 to the extent necessary in relation to this decision; and in accordance with Section 79 of the act determines that it does not require further information, further assessment of options or further analysis of costs and benefits or advantages and disadvantages prior to making a decision on this matter.**
- d) Approves the unbudgeted expenditure to undertake the installation of a solar power unit at the Takitimu Rural Water Scheme reservoir for a total cost of \$5,100.00.**
- e) Approves the unbudgeted expenditure amount of \$5,100.00 excluding GST is funded by the Te Anau General Reserve.**

## **Background**

- 4 The Takitimu Rural Water Scheme was installed in 1972 and is located east of the Mararoa River, north of Blackmount Redcliff Road. The scheme services around 34 connections with an annual total volume of around 101,400m<sup>3</sup>.
- 5 The scheme consists of two high lift inlet pumps, from an infiltration gallery at the Mararoa River. A rising main is laid through private land to the scheme reservoir, also on private land, at Gillespie Road. From the reservoir the scheme delivers water to end users via a network of various sized reticulation.
- 6 Significant capital upgrade projects were completed on the Takitimu Scheme in 2015 and 2017, all based around rising main or pipe reticulation replacement.

## **Issues**

- 7 The scheme reservoir is sited on private land at 547 Gillespie Road. The reservoir has an electrical supply to power the communications between the reservoir and the intake pumps, essentially to tell the pumps when to turn on and off.
- 8 This power supply is fed through the private residential dwelling which sits adjacent to the reservoir. Historically the private residence has been occupied by the farm owner who was aware of the power supply. Following the sale of the property and subsequent renting of the dwelling, the power supply has been interrupted intermittently when the tenants have changed and power has been switched off.
- 9 Council staff have investigated options for establishing a stand-alone power supply for the reservoir. The options investigated include a metered supply from Gillespie Road and a solar power unit based at the reservoir site. The options have been estimated and the supply from Gillespie Road is believed to be cost prohibitive on the basis that it provides the same service as the solar power unit.
- 10 To ensure the continued successful operation of the Takitimu Rural Water scheme it is proposed to terminate the private electrical supply and replace this with a solar unit.

## **Factors to Consider**

### **Legal and Statutory Requirements**

- 11 This project is being undertaken in accordance with the statutory processes and to fulfil Council's statutory obligations set out in the Local Government Act 2002.

### **Community Views**

- 12 Council staff have discussed this proposal with the Te Anau Basin Water Supply Sub-committee Chair, who has advised staff to put this report forward for the Committee to discuss.

### **Costs and Funding**

- 13 The two options have been estimated as per the below;

- 14 The non-metered pole supply was estimated by Council staff and includes for the trenching and installation of 170m of ducting and cable, connection to an existing pillar box, installation of a meter, connection to the reservoir and commissioning of all works - \$15,800.00
- 15 A price for the supply, installation and commissioning of a solar unit has been provided by BREMCA Southland Ltd for - \$5,100.00.
- 16 Funding the \$5,100.00 can be achieved through the Te Anau General Reserve. There is currently \$10,488.00 in this reserve.
- 17 Due to the work not being budgeted for in the Long Term Plan this project requires Subcommittee approval.

### **Policy Implications**

- 18 Nil

### **Analysis**

#### **Options Considered**

- 19 The following options have been identified and considered as outlined below in Options 1-3.

### **Analysis of Options**

#### **Option 1 – Installation of solar power unit at the Gillespie Road reservoir for \$5,079.00.**

<i>Advantages</i>	<i>Disadvantages</i>
<ul style="list-style-type: none"><li>• Stand-alone supply without interruptions meaning continued successful operation of the Takitimu Scheme which delivers the required power capacity</li><li>• Self contained and easily maintainable unit</li><li>• No disruption to private land through trenching of cables</li><li>• No requirement for an updated landowner agreement to be obtained</li></ul>	<ul style="list-style-type: none"><li>• Requirement for unbudgeted expenditure</li></ul>

#### **Option 2 – Installation of a reticulated metered power supply from Gillespie Road for up to \$15,800.00**

<i>Advantages</i>	<i>Disadvantages</i>
<ul style="list-style-type: none"><li>• Stand-alone supply without interruptions meaning continued successful operation of the Takitimu Scheme which delivers the required power capacity</li></ul>	<ul style="list-style-type: none"><li>• Requirement for unbudgeted expenditure</li><li>• Requirement for new landowner agreement to be drafted up and signed for the new cable over the private land</li></ul>

<ul style="list-style-type: none"><li>• Future power capacity available for any possible reservoir upgrades which require an ongoing power source</li></ul>	
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**Option 3 – Keep the existing supply through the private residence**

<i>Advantages</i>	<i>Disadvantages</i>
<ul style="list-style-type: none"><li>• No requirement for unbudgeted expenditure</li></ul>	<ul style="list-style-type: none"><li>• Possible on-going interruptions to power supply</li><li>• Requirement to negotiate an agreement for the compensation of power usage with new landowner</li></ul>

**Assessment of Significance**

- 20 The proposed recommendations are assessed as not significant.

**Recommended Option**

- 21 It is recommended to the Te Anau Basin Rural Water Supply Sub-Committee to proceed with accepting the unbudgeted expenditure request for Option 1 – Installation of a solar power unit, for \$5,100.00 to be funded through the Te Anau General Reserve.

**Next Steps**

- 22 If approval of the unbudgeted expenditure is received then the price submitted by BREMCA Southland Ltd will be accepted and the solar unit will be installed.

**Attachments**

There are no attachments for this report.



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## **Unbudgeted Expenditure - Rural Water Flow Meters**

**Record No:** R/20/5/10400  
**Author:** Joe Findley, Projects Manager  
**Approved by:** Matt Russell, Group Manager Services and Assets

☐ Decision ☐ Recommendation ☒ Information

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### **Purpose**

- 1 The purpose of this report is to provide information for the Te Anau Basin Water Supply Sub-Committee regarding the unbudgeted expenditure that was authorised by Council to install Magflo style water meters at three rural water schemes to comply with Environment Southland consent requirements. This request was made to Council following consultation with the Te Anau Basin Water Supply sub-Committee Chairperson.

### **Executive Summary**

- 2 The Kakapo, Homestead and Princhester Rural Water Schemes currently have mechanical water meters which require replacement due to wear. Environment Southland now requires Southland District Council (SDC) to undertake verification testing of compliance water meters and due to the lower ongoing maintenance and compliance costs, Council recommends replacing the mechanical meters with Magflo type meters.

## **Recommendation**

**That the Te Anau Basin Water Supply Subcommittee:**

- a) Receives the report titled “Unbudgeted Expenditure - Rural Water Flow Meters” dated 19 June 2020.**
- b) Determines that this matter or decision be recognised as not significant in terms of Section 76 of the Local Government Act 2002.**
- c) Determines that it has complied with the decision-making provisions of the Local Government Act 2002 to the extent necessary in relation to this decision; and in accordance with Section 79 of the act determines that it does not require further information, further assessment of options or further analysis of costs and benefits or advantages and disadvantages prior to making a decision on this matter.**



## **Background**

- 3 The rural water schemes in the Te Anau Basin were installed during the 1970's and adopted into Council ownership during the late 1990's.
- 4 Council holds a water take consent from Environment Southland for each of its Rural Water Schemes, including the Homestead, Kakapo and Princhester schemes. As a condition of each consent, Environment Southland now requires Council to undertake independent calibration testing of the water meters to ensure compliance with the consents.
- 5 Recent testing has showed that the mechanical meters in service are inaccurate, indicating wear, creating a compliance issue for Council in breach of the resource consent conditions. Repairing the meters is not a viable option, so replacement or upgrading are being considered.

## **Issues**

- 6 Testing of the existing meters has shown that the remaining three mechanical meters on the Te Anau Basin Rural Water Schemes are inaccurate and need to be replaced. The inaccuracy of the meters creates a compliance issue for Council, effectively being in breach of the resource consent conditions.
- 7 Council engineers are recommending upgrading to Magflo style meters rather than replacing with like for like mechanical meters. It is considered that mechanical meters are no longer appropriate for these installations due to the increasing accuracy requirements demanded of the consent conditions and the verification interval of mechanical meters being five times that of a Magflo meter, which carries a significant cost.

## **Factors to Consider**

### **Legal and Statutory Requirements**

- 8 All of the Te Anau Basin rural water supplies have water abstraction consents from Environment Southland. A condition of each consent is to accurately measure and report the volumes of water taken.
- 9 The Regional Council has recently made independent water meter calibration testing a condition of the water abstraction consents.
- 10 The requirement applies to mechanical meters yearly and Magflo type meters five yearly.

### **Community Views**

- 11 Consultation has taken place with the Te Anau Basin Water Supply Sub-Committee Chair in Lieu of the sub-Committee having a formal meeting during the lockdown period.

### **Costs and Funding**

- 12 The upgrade work, for installation of Magflo meters at the three sites, has been quoted at \$29,194.00 excluding GST, for Kakapo, Homestead and Princhester. Much of the electronics required for the meter upgrade have already been installed in the last switchboard upgrade project.
- 13 The option of replacing the mechanical meters with new mechanical meters has not been fully estimated but would be approximately \$4,500.00 excluding GST. It is important to note that

mechanical meters would have to be replaced more often than Magflo type meters due to loss of required accuracy as they wear.

- 14 The cost of the annual independent testing is around \$800.00 per site (as at December 2019). This is required yearly for mechanical style meters and five yearly for Magflo style meters, meaning that the Committee can expect to pay \$12,000.00 over five years to have mechanical meters verified at these three sites, versus \$2,400.00 over five years for verification of the Magflo meters. As with most things, the cost of this verification may increase over time.
- 15 Funding the \$29,154.00 through a 30 year loan, results in an additional rates required of \$1,807.00 (excluding GST) per annum in 2019/2020 to 2021/2020. This will have a flow on effect on rates spread across the ratepayers of all schemes.

## **Policy Implications**

## **Analysis**

### **Options Considered**

- 16 The following options were identified and considered as outlined in Options 1 and 2 below;

### **Analysis of Options**

#### **Option 1 – Replacement of the existing meters with similar mechanical meters, estimated at around \$4,500.00 excluding GST**

<i>Advantages</i>	<i>Disadvantages</i>
<ul style="list-style-type: none"> <li>Lower initial purchase price</li> </ul>	<ul style="list-style-type: none"> <li>More prone to wear, accelerated by grit in the water, hence a shorter life expectancy of each meter</li> <li>Yearly calibration testing required at \$800.00 per site (as at Dec-2019)</li> <li>Shorter serviceable life</li> </ul>

#### **Option 2 – Upgrade of the existing meters with Magflo type meters, quoted at \$29,194.00 excluding GST**

<i>Advantages</i>	<i>Disadvantages</i>
<ul style="list-style-type: none"> <li>Five yearly calibration testing required at \$800.00 per site (as at Dec-2019)</li> <li>No moving parts, less prone to wear</li> <li>Longer serviceable life</li> </ul>	<ul style="list-style-type: none"> <li>Higher initial purchase price</li> </ul>

#### **Option 3 – No third option has been considered as part of this report**

<i>Advantages</i>	<i>Disadvantages</i>
<ul style="list-style-type: none"> <li>Nil</li> </ul>	<ul style="list-style-type: none"> <li>Nil</li> </ul>

### **Assessment of Significance**

- 17 The proposed recommendations are assessed as not significant.

### **Recommended Option**

- 18 Through liaison with the Te Anau Basin Rural Water Supply Sub-Committee regarding the project, it was recommended to Council at the 7 May 2020 meeting to proceed with accepting the unbudgeted expenditure request for Option 2 - Upgrade of the existing meters with Magflo type meters, quoted at \$29,194.00 excluding GST.

### **Next Steps**

- 19 Downer Limited, who provided the quote for the works have been confirmed to proceed with installation of the meters.

### **Attachments**

There are no attachments for this report.