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## **NOTICE OF MEETING**

**Notice is hereby given of the Meeting of the  
Infrastructural Services Committee  
to be held in the Council Chamber,  
First Floor, Civic Administration Building,  
101 Esk Street, Invercargill on  
Tuesday 3 August 2021 at 3.00 pm**

Cr I R Pottinger (Chair)  
Cr A H Crackett (Deputy Chair)  
His Worship the Mayor, Sir T R Shadbolt  
Cr R L Abbott  
Cr R R Amundsen  
Cr A J Arnold  
Cr W S Clark  
Cr P W Kett  
Cr G D Lewis  
Cr M Lush  
Cr D J Ludlow  
Cr N D Skelt  
Cr L F Soper

CLARE HADLEY  
CHIEF EXECUTIVE

## Infrastructural Services Committee - Public

03 August 2021 03:00 PM

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**Public Excluded Session**

Moved, seconded that the public be excluded from the following parts of the proceedings of this meeting; with the exception of the external appointees, Mr Jeff Grant and Mr Lindsay McKenzie, namely,

- (a) *Confirmation of Minutes of the Public Excluded Session of the Infrastructural Services Committee meeting held on 1 June 2021*
- (b) *Confirmation of Minutes of the Public Excluded Session of the Extraordinary meeting of the Infrastructural Services Committee held on 27 July 2021*

The general subject of each matter to be considered while the public is excluded, the reason for passing this resolution in relation to each matter, and the specific grounds under section 48(1) of the local government official information and meetings act 1987 for the passing of this resolution are as follows:

<b>General subject of each matter to be considered</b>	<b>Reason for passing this resolution in relation to each matter</b>	<b>Ground(s) under Section 48(1) for the passing of this resolution</b>
(a) Confirmation of Minutes of the Public Excluded Session of the Infrastructural Services Committee meeting held on 1 June 2021	<b>Section 7(2)(i)</b> Enable any local authority holding the information to carry on, without prejudice or disadvantage, negotiations (including commercial and industrial negotiations)	<b>Section 48(1)(a)</b> That the public conduct of this item would be likely to result in the disclosure of information for which good reason for withholding would exist under Section 7
(b) Confirmation of Minutes of the Public Excluded Session of the Extraordinary meeting of the Infrastructural Services Committee held on 27 July 2021	<b>Section 7(2)(i)</b> Enable any local authority holding the information to carry on, without prejudice or disadvantage, negotiations (including commercial and industrial negotiations)	<b>Section 48(1)(a)</b> That the public conduct of this item would be likely to result in the disclosure of information for which good reason for withholding would exist under Section 7

### **Declaration of Interest**

1. Members are reminded of the need to stand aside from decision-making when a conflict arises between their role as an elected representative and any private or other external interest they might have.
2. Elected members are reminded to update their register of interests as soon as practicable, including amending the register at this meeting if necessary.

**MINUTES OF A MEETING OF THE INFRASTRUCTURAL SERVICES COMMITTEE HELD  
IN THE COUNCIL CHAMBER, FIRST FLOOR, CIVIC ADMINISTRATION BUILDING,  
101 ESK STREET, INVERCARGILL ON TUESDAY 1 JUNE 2021 AT 3.00 PM**

**PRESENT:** Cr I R Pottinger (Chair)  
Cr A H Crackett (Deputy Chair)  
His Worship the Mayor, Sir T R Shadbolt (via zoom)  
Cr R L Abbott  
Cr R R Amundsen  
Cr A J Arnold  
Cr W S Clark  
Cr P W Kett  
Cr G D Lewis  
Cr M Lush  
Cr D J Ludlow  
Cr N D Skelt  
Cr L F Soper  
Mr J Grant – External Appointee  
Mr L McKenzie – External Appointee (via zoom)

**IN ATTENDANCE:** Mr N Peterson – Bluff Community Board Member  
Mrs C Hadley – Chief Executive  
Ms E Moogan – Group Manager – Infrastructure  
Mr S Gibling – Group Manager – Leisure and Recreation  
Ms C Rain – Manager – Parks and Recreation  
Ms H Guise – Senior Council Land Advisor  
Ms K Davidson – Digital Content Creator  
Mrs T Amarasingha – Governance Advisor  
Ms M Sievwright – Governance Officer  
Ms M Cassiere – Executive Governance Officer

1. **APOLOGIES**

Cr Arnold and Cr Amundsen for lateness.

Moved Cr Pottinger, seconded Cr Abbott and **RESOLVED** that the apologies be accepted.

2. **PUBLIC FORUM**

Nil.

3. **MINOR LATE ITEMS**

3.1 Minutes of the Hearing for the Regional Public Transport Plan Held on 27 April 2021

3.2 Southland Regional Public Transport Plan 2021 - 2031

Moved Cr Pottinger, seconded Cr Lewis and **RESOLVED** that the minor late items be received.

4. **MINUTES OF THE INFRASTRUCTURAL SERVICES COMMITTEE MEETING HELD ON 7 APRIL 2021**  
A3377633

Moved Cr Skelt, seconded Cr Ludlow and **RESOLVED** that the minutes of the Infrastructural Services Committee held on 7 April 2021 be confirmed.

Cr Soper asked for clarity about the resolutions around the Kew Park Reserve classification and enquired about an additional recommendation to note the exchange of land.

**Note:** Cr Arnold arrived at 3.06 pm.

It was noted that after the transfer of land to Council, the exchange of land would be advertised for public consultation as per the Reserves Act process.

The motion, now put, was **RESOLVED** in the affirmative.

5. **MINUTES OF THE EXTRAORDINARY MEETING OF THE INFRASTRUCTURAL SERVICES COMMITTEE HELD ON 11 MAY 2021**  
A3406985

Moved Cr Lewis, seconded Cr Abbott and **RESOLVED** that the minutes of the Infrastructural Services Committee held on 11 May 2021 be confirmed.

6. **GOSTELOW LEGACY - LOCATION**  
A3410000

Staff spoke to the report and noted that consultations were held with the community around the Gostelow Legacy. The two options of Dunns Road/Oreti Road corner reflected the preference of the community to build a pump track.

Moved Cr Clark, seconded Cr Arnold that the Infrastructural Services Committee:

1. Receive the report "The Gostelow Legacy (\$90,000 Bequest for Otatara Community)".
2. Approve the recommendation that Derek Gostelow's \$90,000 bequest which provided the financial impetus for the project be spent on Option 2: Dunns Road/Oreti Road corner (Road Reserve).
3. Acknowledge and give thanks for the significant work Ms Ivey has undertaken with both the Otatara Community and Council to ensure the legacy achieves its intended purpose.

In response to a query regarding open drains in the preferred option, it was noted that necessary steps would be taken to mitigate the issue through landscaping and planting.

The motion, now put, was **RESOLVED** in the affirmative.

7. **DISPOSAL OF LAND FOR SALE HIGHWAY PURPOSES (REVISED)**  
A3420706

Moved Cr Ludlow, seconded Cr Clark and **RESOLVED** that the Infrastructural Services Committee:

1. Receive the report "Disposal of Land for State Highway Purposes (Revised)".

**Recommendations to council**

1. The land is disposed of by way of vesting in the Crown as road (State Highway purposes) pursuant to Section 114(2)(c) of the Public Works Act 1981.
2. The Chief Executive be given delegated authority to sign the Consent in the form presented as Appendix 1 (A3421080) hereto.

8. **SOUTHLAND REGIONAL SPACES AND PLACES STRATEGY**  
A3399313

Staff spoke to the report and noted that the significant collaboration between Sport Southland, the three Councils and key local funders within the Southland region to plan for the region's spaces and places with a focus on sport, recreation and leisure. The strategy would be a key document which would assist the Councils and funders in making informed decisions for future investment into sport and recreation assets.

**Note:** Cr Crackett and Cr Skelt abstained from voting due to a conflict of interest.

Moved Cr Ludlow, seconded Cr Soper that the Infrastructural Services Committee:

1. Receive the report "Southland Regional Spaces and Places Strategy".
2. Endorse the Southland Regional Spaces and Places Strategy; and
  - a. recognise the Southland Regional Spaces and Places Strategy as a guiding document for future sport, active recreation and play facility development within Invercargill City boundary;
  - b. note the five strategic challenges and the approach for managing future projects;
  - c. support the implementation of the three frameworks (governance, planning and investment) included within the strategy;
  - d. support the implementation of the strategy, where practical and possible, with the partner agencies, councils and funders;
  - e. request report back on progress made in early 2022 in time for the Annual Plan deliberations.

The motion, now put, was **RESOLVED** in the affirmative.

9. **ACTIVITY REPORT**

A3406753

Staff spoke to the report and highlighted key points. Positive support had been received for the cycle path trial on Deveron Street. The work with regard to the pathway along Dunns Road was due to its usage as a two - way cycle path, which was illegal and the work would ensure compliance with land transport rules. For the drilling of test bores for alternative water source, proposals for providers would be prepared.

**Note:** Cr Amundsen arrived at 3.22 pm

Moved Cr Abbott, seconded Cr Soper and **RESOLVED** that the Infrastructural Services Committee:

1. Receives the report "Activity Report".

10. **URGENT BUSINESS**

Nil.

11. **MINOR LATE ITEMS**

Moved Cr Skelt, seconded Cr Clark and **RESOLVED** that the Infrastructural Services Committee:

1. Receive the Minutes of the Hearing for the Regional Public Transport Plan held on 27 April 2021 for confirmation.
2. Receive the Southland Regional Public Transport Plan 2021 - 2031.

12. **PUBLIC EXCLUDED SESSION**

Moved Cr Soper, seconded Cr Lewis and **RESOLVED** that the public be excluded from the following parts of the proceedings of this meeting, with the exception of the External Advisors, Mr Jeff Grant and Mr Lindsay McKenzie; namely:

- (a) *Confirmation of Minutes of the Public Excluded Session of Infrastructural Services Committee held on 7 April 2021*

The general subject of each matter to be considered while the public is excluded, the reason for passing this resolution in relation to each matter, and the specific grounds under Section 48(1) of the Local Government Official Information and Meetings Act 1987 for the passing of this resolution are as follows:

General subject of each matter to be considered	Reason for passing this resolution in relation to each matter	Ground(s) under Section 48(1) for the passing of this resolution
(a) Confirmation of Minutes of the Public Excluded	<b>Section 7(2)(i)</b> Enable any local authority holding the information to	<b>Section 48(1)(a)</b> That the public conduct of this item



<b>General subject of each matter to be considered</b>	<b>Reason for passing this resolution in relation to each matter</b>	<b>Ground(s) under Section 48(1) for the passing of this resolution</b>
Session of Infrastructural Services Committee held on 7 April 2021	carry on, without prejudice or disadvantage, negotiations (including commercial and industrial negotiations)	would be likely to result in the disclosure of information for which good reason for withholding would exist under Section 7

There being no further business, the meeting finished at 3.28 pm.

**MINUTES OF THE EXTRAORDINARY MEETING OF THE INFRASTRUCTURAL SERVICES COMMITTEE HELD IN THE COUNCIL CHAMBER, FIRST FLOOR, CIVIC ADMINISTRATION BUILDING, 101 ESK STREET, INVERCARGILL ON TUESDAY 27 JULY 2021 AT 3.10 PM**

**PRESENT:** Cr I R Pottinger (Chair)  
Cr A H Crackett (Deputy Chair)  
His Worship the Mayor, Sir T R Shadbolt  
Cr R L Abbott  
Cr R R Amundsen  
Cr A J Arnold  
Cr W S Clark  
Cr P W Kett  
Cr G D Lewis  
Cr D J Ludlow  
Cr M Lush  
Cr N D Skelt  
Cr L F Soper  
Mr J Grant – External Appointee  
Mr L McKenzie – External Appointee

**IN ATTENDANCE:** Mrs G Henderson – Bluff Community Board  
Mr N Peterson – Bluff Community Board  
Mrs C Hadley – Chief Executive  
Ms E Moogan – Group Manager – Infrastructure  
Mr M Day – Group Manager – Finance and Assurance  
Mr S Gibling – Group Manager – Leisure and Recreation  
Ms T Hurst – Group Manager – Customer and Environment  
Mr P Thompson – Executive Manager – Office of the Chief Executive  
Mr R Pearson – Manager – Roading  
Ms T Browne – Delivery Manager – Project Management Office  
Ms L Knight – Manager – Strategic Communications  
Ms H McLeod – Strategic Projects Communications Lead  
Ms K Davidson – Digital Content Creator  
Ms M Cassiere – Executive Governance Officer

**1. MAJOR LATE ITEM**

Moved Cr Pottinger, seconded Cr Crackett and **RESOLVED** that the Major Late Item, City Streets Upgrade – Detailed Cost Information, be accepted and that it be considered in Public Excluded.

**2. APOLOGIES**

Nil.

**3. PUBLIC FORUM**

**3.1 Closure of Don and Esk Streets**

Mr Ben Fokkens of Shoe Clinic was in attendance to speak about the closure of Don Street and Esk Street. He said that he was in favour of the city build development however, the closure of the streets for 14 months seemed extremely long and unreasonable. He explained that two years

ago, during the upgrade of pipes in Tay Street for two months, the retailers experienced a decrease of 30% in trade and asked what would be the expectations for the retailers with the closure of Don Street and Esk Street for 14 months. Mr Fokkens proposed that the contractor, Downers, increase man-power and work schedule to complete the street works at an accelerated pace.

In response to queries, Mr Fokkens said that the majority of the retailers understand the need for the work however they were distressed with the time frame of the streets' closure. He also noted that that reduction in the operating costs would be helpful, however a reduction of 30% in trade would be hard for most retailers. Mr Fokkens stated that free or limited car parking could entice people back to the Esk Street area however, those would have to be policed. He further stated that incentivised parking based on receipt of a purchase would be of help with the issue of limited parking.

The Chair thanked Mr Fokkens for taking the time to attend the meeting.

### 3.2 Closure of Don and Esk Streets

Mr Bernie Brown of McKnight and Brown was in attendance to speak about the closure of Don Street and Esk Street and asked whether the current state of the streets would allow access for all people including the elderly and disabled. Mr Brown stated that there had to be a better way to complete the street work.

In response to a query about whether he had any thoughts or solutions for the issue of road closures, Mr Brown said that looking at ways to reduce the timeframe of road closures would be helpful.

In response to a query about Barnes Dance crossings, Mr Brown said that it could be a huge plus.

In response to a query whether a shuttle could be arranged for customers, Mr Brown said that shuttles were already arranged, to a certain extent, for customers who were elderly or disabled. Mr Brown also stated that perhaps the contractor could use shuttle service for their workers who would be working at the sites.

The Chair thanked Mr Brown for taking the time to attend the meeting.

## 4. DECLARATIONS OF INTEREST

Nil.

## 5. CITY STREETS UPGRADE – DESIGN COMPLETION

A3479316

Mr John Green, Chair of the City Centre governance group, Mr Russell Pearson and Ms Tess Browne were in attendance to speak to this item. Mr Pearson took the meeting through a power point presentation of the City Streets Upgrade (A3500363).

**Note:** Cr Lush left the meeting at 3.43 pm.

A3479076

**Note:** Cr Lush re-joined the meeting at 3.46 pm.

Mr Pearson noted that aspects of the City Streets Upgrade had been completed and that the implementation of the Upgrade plan would now begin.

Mr Green said that there were three aspects of the build which should be considered: timeline of the build, mitigation of impact and how do we think and act differently. He said that some of these aspects were already being discussed and although each impact may not be mitigated, it would reduce the impact as much as possible.

In response to several queries about drop – off zones, free or receipted parking areas, Barnes Dance crossings, and difficulty of getting from Wachner Place across to Hallensteins, Mr Pearson noted that the left turn area near Esk Street could be turned into a drop – off zone and also stated that the public bus service was available to drop people off in the city center. Mr Pearson noted that places which could be turned into short term parking need to be identified, and he stated there were discussions in place to reduce some of the issues.

In response to a query about rates relief for the retailers to help with the potential drop off of 30% in trade, Ms Moogan said that rates relief would become part of the costs of the project and those costs would be borne by the community of ratepayers. Ms Moogan also noted that the benefit and disruption of the project would have to be balanced, as well as keeping the streets promoted and activated. Ms Moogan further elaborated that there had been heavy infrastructure builds around the country with significantly longer closures during which rates relief had not been granted, and that Invercargill had undergone long closures in the past without providing rates relief, and from staff perspective rates relief would not be recommended.

In response to a query whether the contractor would have the capacity for a double work force, which would also include the health and safety aspect of the work force, Mr Pearson stated that the work schedule included work from Monday to Friday which would start from seven am to six pm during these months, while work hours may increase and vary during the summer months. Mr Pearson also noted that some type of work will have to be done in the night due to the nature of the work and noise levels, while some parts of the work would have to be completed in a sequential manner.

In response to a query about whether the opening of Farmers would provide impact to the issue of parking, Mr Pearson noted that the opening would create a parking for 250 cars which would provide access to Esk Street and significantly lessen the impact of loss of traffic.

In response to a query about providing incentives to the contractor to expedite the delivery timeframe, Mr Pearson noted that the type of contract was that of cost reimbursement. He stated that the approach with the contractor was that of penalties in case of delay in deliveries and that creating incentive programmes would not be a way to go. He noted that the programmes designed with the contractor would be to deliver at the fastest possible time frame.

Ms Moogan noted that staff had worked with specialists on the contract and had looked at all types of contracts. She also noted that there were constraints in Esk Street that would contribute for the stated time frame of 14 months closure. These included the existing hoardings for building works, the number of

underground utilities contractors requiring access to the street, the placement of the existing streets, etc., which all narrow the corridor.

**Note:** Mr Jeff Grant joined the meeting at 4.29 pm.

In response to a query about why the work could not be done during the night, Mr Pearson noted that this project has aspects which would require daylight. He stated that this project would require work on the roads and there could be a risk of disrupting a utility line hence the need for some aspects to be done during daylight.

In response to a query about Barnes Dance crossing at the Kelvin Street end to make it more useful for pedestrians, Mr Pearson noted that they could look into it although he did not believe it would enhance level of service for pedestrians as at this point.

In response to a query about improvement of surface at Wachner Place crossing for elderly and disabled people, Mr Pearson noted that the surface would be improved and an asphalt surface laid to provide a better surface.

In response to a query about the idea of a shuttle service for workers to open up parking spaces for other people, Mr Green noted that the idea had merit and would be discussed with the contractor and sub - contactors.

In response to queries about whether the Māori Celtic Wall would be a visual barrier to crossing of Dee Street and about the future of the wall, Mr Pearson stated at present there were no plans for it, and that whether the wall would be a visual barrier would depend on individual people.

In response to a query about moving the crossing nearer to Hellensteins with a shelter instead of a crossing at Dee Street, Mr Pearson said that installation of signal lights would require a technical aspect and noted that they would look into it.

Moved Cr Clark, seconded Cr Skelt and **RESOLVED** that the Infrastructural Services Committee:

1. Receives the report "City Streets Upgrade – Design Completion".
2. Notes that Downer NZ Limited (Downer) has been selected as the Construction Delivery Contractor for Stage 1 of the City Streets Upgrade project, through a publically offered process and is being considered in the Public Excluded agenda for this meeting.
3. Confirms that a future contract extension (Stage 2) may be available to Downer at Council discretion. If exercised, Council approval would be sought for this.
4. Confirms that a number of road closures are required to undertake the works in Esk and Don Streets to meet the programme timelines for adjacent developments and that these closures are for extended periods necessary to safely undertake the works.

## 6. **PUBLIC EXCLUDED SESSION**

Moved Cr Soper, seconded Cr Abbott and **RESOLVED** that the public be excluded from the following parts of the proceedings of this meeting, with the

exception of the External Appointees, Mr Jeff Grant and Mr Lindsay McKenzie, and Mr John Green, namely:

(a) *City Streets Upgrade – Detailed Cost Information*

The general subject of each matter to be considered while the public is excluded, the reason for passing this resolution in relation to each matter, and the specific grounds under Section 48(1) of the Local Government Official Information and Meetings Act 1987 for the passing of this resolution are as follows:

<b>General subject of each matter to be considered</b>	<b>Reason for passing this resolution in relation to each matter</b>	<b>Ground(s) under Section 48(1) for the passing of this resolution</b>
(a) City Streets Upgrade – Detailed Cost Information	<b>Section 7(2)(i)</b> Enable any local authority holding the information to carry on, without prejudice or disadvantage, negotiations (including commercial and industrial negotiations)	<b>Section 48(1)(a)</b> That the public conduct of this item would be likely to result in the disclosure of information for which good reason for withholding would exist under Section 7

There being no further business, the meeting finished at 5.10 pm.

**TO: INFRASTRUCTURAL SERVICES COMMITTEE**  
**FROM: ADRIAN COCKER – OPERATIONS TECHNOLOGIST**  
**APPROVED BY: ERIN MOOGAN – GROUP MANAGER, INFRASTRUCTURE**  
**MEETING DATE: TUESDAY 3 AUGUST 2021**

<b>COMPLIANCE WITH DRINKING WATER STANDARDS OF NEW ZEALAND</b>
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**SUMMARY**

<p>The Three Waters Operations Team have been undertaking upgrades to Fluoride monitoring at the Branxholme Water Treatment Plant.</p> <p>As part of these works a blown fuse resulted in drinking water compliance reporting being interrupted for approximately 9 minutes.</p> <p>Any loss of treatments data would, without leniency, be listed in the annual report as non-compliance with the Drinking Water Standards of New Zealand for the full financial year.</p> <p>Leniency has been applied by Public Health South as they were immediately notified and provided with sufficient evidence that although monitoring was absent, drinking water treatment remained unaffected throughout the outage.</p>
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**RECOMMENDATIONS**

**That the Infrastructural Services Committee:**

- 1. Receive the report “Compliance with Drinking Water Standards of New Zealand”.**

**IMPLICATIONS**

1.	<i>Has this been provided for in the Long Term Plan/Annual Plan?</i> No.
2.	<i>Is a budget amendment required?</i> No.
3.	<i>Is this matter significant in terms of Council’s Policy on Significance?</i> No.
4.	<i>Implications in terms of other Council Strategic Documents or Council Policy?</i> No.
5.	<i>Have the views of affected or interested persons been obtained and is any further public consultation required?</i> No.

## **BACKGROUND**

The Drinking Water Standards of New Zealand (Standards) specify the minimum compliance criteria for bacteria, protozoa, cyanotoxins (toxins arising from blue-green bacteria) chemicals and radioactive materials of public health significance. The compliance criteria includes Maximum Allowable Values (MAVs) for determinands and operational requirements for associated water treatment processes.

The assessment of bacterial, chemical and radiological compliance requires that the MAVs or operational requirements specified in the Standards are monitored. The steps necessary to demonstrate that a drinking-water supply is in bacterial, protozoal, cyanotoxin, chemical and radiological compliance with the Standards are specifically defined and are dependent on the water source and type of treatment.

A drinking water supply complies with the Standards when the following occur:

1. The concentration of a determinand in a sample of the drinking water does not exceed the MAV more often than is permitted, statistically calculated from the 95% confidence level that the MAV is exceeded for no more than 5% of the time. Because of financial restraints a lesser level of confidence is accepted for communities up to 500 people.
2. An operational compliance does not move outside its limit for more than its allowed frequency or duration of the compliance period.
3. The number of measurements made for each compliance criterion is equal or greater than that specified in the Standards.
4. Sampling, standardising, testing and reporting requirements of the Standards are adhered to.
5. The requirements of the compliance criteria have been met throughout the previous 12 months.
6. The remedial actions specified in the Standards and water safety plans have been carried out when there has been a transgression or an excursion beyond an operational requirement.

The compliance monitoring period varies from a day to a year, depending on the determinand and the circumstances. The water supplier must elect (for each supply component) the compliance criteria that they intend to achieve in order to demonstrate compliance with the Standards. Monitoring is not required when a process is not operating, or during circumstances where online monitoring is taken offline for servicing or calibration.

When something goes wrong and we treat water outside the parameters of the Standards we would automatically lose compliance. Similarly, if we are unable to provide the required level of data monitoring for each parameter we lose compliance. The Standards allow for us to apply for leniency to account for when things go wrong. If it is a short loss of data leniency may be applied but only with sufficient evidence to prove that treatment processes were not affected.

## **LOSS OF MONITORING DATA DURING JULY UPGRADES**

The Three Waters Operations Team have been undertaking upgrades to Fluoride monitoring at the Branzholme Water Treatment Plant. As part of these works a blown fuse resulted in drinking water compliance reporting being interrupted for approximately 9 minutes.

The Ministry of Health must report to the Director General such that they can publish an annual report on drinking water. This has the consequence that the loss of treatment data would, without leniency, be listed in the annual report as non-compliant for the year.



We have worked through what transpired with Public Health South (contractor to the Ministry of Health) confirming that visual monitoring of treatment was in place during the outage. We were able to supply enough evidence such that leniency has been granted by Public Health South.

However with the change of powers to the new drinking water regulator Taumata Arowai later this year the ultimate decision over Annual Compliance is expected to sit with them. Retaining our treatment compliance has been accepted by our Ministry of Health representative, however there is a risk this may not be accepted by annual report assessors from Taumata Arowai at the end of the financial year. If it is not accepted this would impact on our drinking water compliance for the full financial year.

It is important to note that leniency has been applied by Public Health South as they were immediately notified and provided with sufficient evidence that although monitoring was absent, drinking water treatment remained unaffected throughout the outage. If there was any breakdown of treatment it is very unlikely that leniency would have been granted. Similarly if the data loss was greater than 15 minutes it is very unlikely that leniency would have been granted.

## **FURTHER INFORMATION ON DRINKING WATER IN INVERCARGILL**

In Invercargill we are required to achieve compliance for our Water Treatment Plant at Branxholme and our 2 water Distribution Zones, Invercargill and Bluff.

### **Branxholme**

Branxholme Water Treatment Plant must achieve Bacterial Compliance, Protozoal Compliance and Chemical Compliance (for the addition of fluoride to our water supply).

#### ***Bacterial Compliance***

Branxholme uses continuous chlorination as the Bacterial Compliance Criterion. The Compliance monitoring period is one day – i.e. each new day is a different compliance period. To prove compliance we must continuously monitor several parameters of the water leaving the treatment plant. Continuously monitor means that relevant data must be recorded and stored at a maximum of 1 minute intervals. The treated water parameters that are required to be continuously monitored are pH, Free Available Chlorine, Free Available Chlorine equivalent, flow, Chlorine Contact Time and turbidity. At the end of each day (the Monitoring Period) the stored data is interpreted to claim compliance. In the event of a chlorination breakdown we may be able to claim compliance by the use of our UV Reactor.

#### ***Protozoal Compliance***

Branxholme uses Coagulation, sedimentation and filtration processes for Protozoal Compliance. The Compliance monitoring period is one month. To prove compliance we must continuously monitor and record the turbidity of the water from each of 12 filters, again at a maximum of 1 minute intervals. As another 'barrier to infection' we have the ability to use our UV Reactor for protozoal compliance. In this case we continuously monitor and record the UV Transmission of the water, the UV dose and the turbidity of the water at the UV Reactor; again at a maximum of 1 minute intervals.

#### ***Chemical Compliance***

At present the only chemical that we must prove compliance for is fluoride. This is because we add fluoride to our water in concentrations that may exceed ½ the maximum Allowable Value for Fluoride. Compliance is proved by chemical dosing calculations, an on-line

continuous meter and also physical testing of the water for fluoride by a Ministry of Health registered laboratory (in our case we test in-house at the ICC Clifton Laboratory).

***Cyanotoxin Compliance***

Because our source water has not (yet) been subject to algal blooms of cyanobacteria we are not subject to Management Controls for this parameter as outlined by the Standards.

***Radiological Compliance***

Because we use a surface water (Oreti River) as our water source we are not at present required to test for Radiological Contamination.

**TO: INFRASTRUCTURAL SERVICES COMMITTEE**  
**FROM: INVERCARGILL CITY HOLDINGS LIMITED**  
**AUTHORISED BY: ANDREW CAMERON – GENERAL MANAGER**  
**MEETING DATE: TUESDAY 3 AUGUST 2021**

**ELECTRICITY INVERCARGILL LIMITED – ELECTRIC VEHICLE CAPACITY**

**SUMMARY**

Electricity Invercargill Limited is preparing its network for increased electrification from both transport (electric vehicles) and decarbonisation (removal of boilers).  
 The network assets of Electricity Invercargill Limited at the high level voltage level are well placed to meet this demand with significant investment having occurred in key substations.

**RECOMMENDATIONS**

**That the Infrastructural Services Committee**

- 1. Receives the report “Electricity Invercargill Limited – Electric Vehicle Capacity”.**
- 2. Notes that Electricity Invercargill Limited is well placed to meet projected demand as a result of vehicle electrification and decarbonisation.**

**IMPLICATIONS**

1.	<i>Has this been provided for in the Long Term Plan/Annual Plan?</i> Not applicable
2.	<i>Is a budget amendment required?</i> Not applicable
3.	<i>Is this matter significant in terms of Council’s Policy on Significance?</i> No.
4.	<i>Implications in terms of other Council Strategic Documents or Council Policy?</i> Yes. Electricity Invercargill Limited is recorded as a strategic asset for its ability to meet the electricity demands of Invercargill.
5.	<i>Have the views of affected or interested persons been obtained and is any further public consultation required?</i> Not applicable

## **BACKGROUND**

Electricity Invercargill Limited (EIL) has been requested to provide an update to this committee on its preparedness for the upcoming electrification of transport. The response from EIL is set out below:

EIL is preparing its network for electrification of both transport (electric vehicles) and process heat (removal of coal boilers in places like schools and more importantly, industry).

Understanding electricity usage trends and how electric vehicle charging will impact the network is central to this work. For current electric vehicles (EVs), EIL know 95% of the charging is happening 'in home', not at fast charging facilities (e.g. ChargeNet fast chargers). Therefore EIL is fully expecting around 90-95% of charging to happen in customer's homes (garage). This is a great opportunity, effectively moving the petrochemical fuel station into people's homes and "fuelling" through electricity network use. EIL are forecasting that there will be a circa 50-60% increase in energy usage in residential homes through to 2050, moving from around 8,000 Wh pa to 12,000 - 13,000 kWh.

EIL will use load shifting to manage this where possible. This load shifting will be having pricing incentives to move charging to off peak times, typically overnight. This load shifting is not new; it is done for hot water heating and night store heating. Storing energy in a car battery will be partly managed the same (like storing hot water in a hot water system).

The EIL network is well placed, especially when compared to a lot of other electricity networks. Full smart meter penetration is now in place, so we can see what is happening down to the individual customer level and through the smart meters and will be able to facilitate this load shifting with customers. This is known in the industry as "LV (low voltage) Network Visibility".

EIL also fully anticipate that the take up of EVs won't be 'geographic linear'. For EIL, we are planning for EV uptake to occur sooner in higher socio-economic suburbs. This is built in to the planning.

Finally, EIL believe the network assets at the high voltage level are well placed to meet this increased demand. Significant investment has occurred at the two key zone substations; Spey Street and Southern (being completed this year).

## **CONCLUSION**

EIL is working to ensure that it is prepared to the upcoming changes to electricity consumption. One of these changes will be driven by the electrification of vehicles. EIL is also preparing for further changes to electricity consumption in the future.

**TO: INFRASTRUCTURAL SERVICES COMMITTEE**  
**FROM: GROUP MANAGERS**  
**AUTHORISED BY: CLARE HADLEY – CHIEF EXECUTIVE**  
**MEETING DATE: TUESDAY 3 AUGUST 2021**

**ACTIVITY REPORT**

**SUMMARY**

This report provides an update on a wide range of activities across the Council.

**RECOMMENDATIONS**

**That the Infrastructural Services Committee receives the report “Activity Report”.**

**LEISURE AND RECREATION**

**Aquatic Services – Splash Palace (May/June 2021)**

Participation numbers are remaining consistent with the previous two months. Overall, with the year to date having several interruptions due to Covid-19, participation numbers are heading towards pre Covid-19 levels.

***Participation and Visitation Statistics***

	Feb	Mar	Apr	May	Jun	EOY Total
<b>2020/21</b>	28,401	36,824	36,618	35,075	30,104	374,934
<b>2019/20</b>	40,262	23,229	0 (L4)	12,315	23,217	331,051

***Hydroslide***

Hydroslide participation numbers are consistent during the week with weekends being busier. Pool staff are looking at some options to encourage more users during the week which includes a Friday teen night and a student discount.

***Hydroslide Participation Numbers***

	May	Jun	Total
<b>2020/21</b>	4,750	3,169	7,919
<b>Old slide - average use</b>	2,932	2,932	5,864

Now the slides have started to settle into a pattern of use, staff are undertaking reviews of both the cleaning and café services to ensure we have adjusted to the changed demand and are able to offer a more efficient and effective service for our community.

### ***Learn to Swim***

Splash Palace has engaged Swimming New Zealand to undertake a review of the Learn to Swim programme. This review will provide management with an in-depth report of where it is doing well and where changes can be made to improve the delivery of this programme to the community. The review is scheduled to take place over six months commencing on 5 July.

### ***Asset Management***

We have agreed with the hydroslide contractor to do a variation to contract to remove the old hydroslide as per the resource consent.

The new body slides were closed from 28 June to 2 July to tidy up some joints inside the slide.

Exterior painting of Splash Palace is about 90% completed, as delayed somewhat due to weather. This will be completed in spring.

### ***Parks and Recreation (May/June 2021)***

As autumn is the optimum planting season, the Parks and Recreation team have recommenced the Plant Our Population initiative which has an aim of planting 54,200 native plants within the Invercargill City Council boundary. This was the population of Invercargill in March 2020 when the project was launched. Last year 16,000 plants went in the ground, and this financial year we have planted 19,407 native plants.

Our work in partnership with the Ara Poutama Aotearoa / Department of Corrections has recently been highlighted through a media release. This detailed that with the ongoing support of crews from Corrections and Community Work, its estimated that Council has added about 10,400 hours of labour each year to important local projects. This equates to hundreds of thousands of dollars' worth of labour and value to the Council and community over the past couple of years.

At Teviot Street Reserve, the Parks and Recreation team has been collaborating with the Teviot Street Community, YMCA and Healthy Families Invercargill to improve the reserve so that it can deliver better wellbeing outcomes. An estimated 75-80 community volunteers, mostly young people, joined in a Big Dig event recently to plant specimen trees, native shrubs and install a basketball hoop.

Invercargill City Council Parks staff and Ngai Tahu kaumatua Michael Skerrett, of Waihopai runanga welcomed two new Kākā to the Aviary when they were released into the native flight (Aviary facility). This new Kākā pair, who joined us from Natureland in Nelson, will help contribute to the national captive breeding programme.



### ***Motupohue Bluff Hill Wilding Pines***

Contractors have completed 75% of the pine control on Bluff Hill. As this job was not finalised in the 2020/2021 financial year, Environment Southland is to prepare a report to MPI to request \$29,323.74 be carried over to the 2021/2022 financial year. If approved, this work will be carried out in September/October 2021.

**Parks Performance**

Audits are undertaken throughout the year in a randomised order by a specific team to reduce variation. In total, 182 site audits were completed which captured Play Equipment, Turf, Horticulture, Infrastructure, and Service Network. Across these areas 63% of our Parks and Reserves had a condition assessment of either Excellent (3) or Good (112), with 37% scoring Average (61) or Poor (6). The information this audit produces enables staff to make informed investment decisions based on accurate condition assessments, noting that if the audit identifies health and safety related issues that these are addressed immediately, otherwise the remedial work is programed appropriately. This financial year is the first a whole condition assessment audit cycle has been completed, which will create a baseline for future years.

Whilst undertaking this audit the team checked 303 Park Seats, 85 Picnic Table, 708 Signs, 204 Swings, 32 Seesaws and many, many other items!

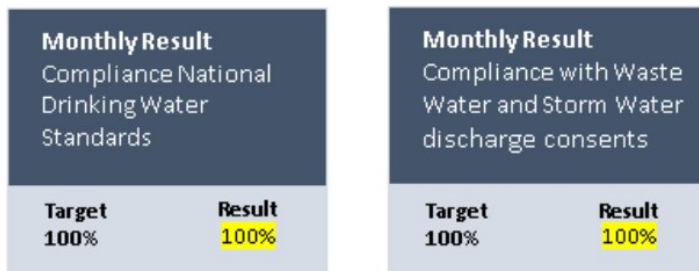
**Capital Projects – Memorial Projects from PGF Funding**

The Cenotaph restoration work began in continuation of the projects funded by the Provincial Growth Fund. It is anticipated this work, with good weather, will be completed in August 2021 and will involve masonry work of the cenotaph, re-silvering of the names, repairs of historic lighting and restoration of bronze damage.

**INFRASTRUCTURE**

**Key Performance Indicators**

Council’s core infrastructure assets continue to perform at a high level. June saw 100% compliance of drinking water assets with National Drinking Water Standards, and 100% compliance with our Waste Water and Storm Water discharge consents.



**Unsealed Roads**

Council has been experiencing a higher level of complaints about its unsealed roads over this winter period. Council has acknowledged to a number of residents that levels of service on their roads are not at the level we would like to see. ICC and our contractors are balancing doing what we can to address these issues, noting that any heavy grading of these areas over winter would exacerbate the problems.

Work has been engaged to review the performance of our unsealed roads network, and develop an improved maintenance and renewals approach moving forward.

### ***Healthy Homes Heat Pumps Installation Progress***

101 of 215 installed to date. We became aware of comments made on social media about residents struggling to operate their heat pumps. In addition to the time spent by contractors at the time of installation to walk residents through the operation, the Housing Support Officer made visits to residents to coach them on how to use the heat pumps and ensure that the units are on the correct settings and are providing a comfortable environment for the residents.

Regular maintenance of the units has also been included as part of the works awarded to the installation contractors.

### ***3 Water SCADA System***

Council's 3 Waters Network has a SCADA system that monitors and controls the Water, Sewerage and Stormwater network that services Invercargill. This includes our treatment plants, pump stations and reservoirs.

ICC is in the process of making key upgrades to the system. Work is being undertaken in collaboration with advisory firm AFI and our local maintenance contractor Wallace Murray electrical.

The work includes a new controls system, digital communication upgrades and computer system improvements. These upgrades are key to providing reliable monitoring and control of Council's 3 waters network, and ensure ICC meets its public health and environmental obligations.

### ***Alternative Water Source Investigations***

Council is currently undertaking investigations to determine the feasibility of a secondary municipal water source in the Awarua area. The results of five investigation bores have identified the presence of a prospective aquifer which may be suitable as a supply source. Council will now progress with drilling of a test bore to determine likely yields and quality of water for a potable water supply.

Contractors have now been engaged to drill two test bores of approximately 240 metres. Drilling is programmed to start at the end of August 2021 and it is anticipated that this work will take approximately nine weeks to complete.

### ***Drainage Renewals***

The Drainage team is continuing its work on a number of projects within the CDB area. South Roads are in Don and Dee Streets replacing the stormwater and sewer mains prior to the "City Street Upgrade" project starting. These projects are expected to be completed in the next few weeks.

Wilson Contractors have been working in Tyne Street replacing the stormwater mains ahead of moving into works on Forth and Clyde Street. This project is expected to be completed by the end October.

The Clifton Wastewater treatment plant Biofilter media is being replaced by Noel McIntyre Drainage and is expected to be completed by the end of the month.

### ***Footpaths***

Council is progressing its footpath renewals programme with recent works in Salford Street, Vernon Street and Dunbeath Crescent.