



Hastings District Council

Civic Administration Building
Lyndon Road East, Hastings

Phone: (06) 871 5000

Fax: (06) 871 5100

WWW.hastingsdc.govt.nz

OPEN A G E N D A

OMARUNUI REFUSE LANDFILL JOINT COMMITTEE MEETING

Meeting Date: **Friday, 5 October 2018**

Time: **1.00pm**

Venue: **Council Chamber
Ground Floor
Civic Administration Building
Lyndon Road East
Hastings**

Committee Members	Chair: Councillor Heaps Councillors Lawson, Nixon and Redstone (HDC) Councillors Dallimore (Deputy Chair) and Tapine (NCC) NCC Alternate: Mayor Dalton HDC Alternate: Councillor Kerr (Quorum = 4 including at least one elected member from each Council)
Officer Responsible	Waste and Data Services Manager, Martin Jarvis
Committee Secretary	Carolyn Hunt (Ext 5634)

HASTINGS DISTRICT COUNCIL
OMARUNUI REFUSE LANDFILL JOINT COMMITTEE
MEETING

FRIDAY, 5 OCTOBER 2018

VENUE: Council Chamber
Ground Floor
Civic Administration Building
Lyndon Road East
Hastings

TIME: 1.00pm

A G E N D A

1. Apologies

An apology from Councillor Kerr has been received.

Leave of Absence had previously been granted to Councillor Kerr

2. Conflict of Interest

Members need to be vigilant to stand aside from decision-making when a conflict arises between their role as a Member of the Council and any private or other external interest they might have. This note is provided as a reminder to Members to scan the agenda and assess their own private interests and identify where they may have a pecuniary or other conflict of interest, or where there may be perceptions of conflict of interest.

If a Member feels they do have a conflict of interest, they should publicly declare that at the start of the relevant item of business and withdraw from participating in the meeting. If a Member thinks they may have a conflict of interest, they can seek advice from the General Counsel or the Democratic Support Manager (preferably before the meeting).

It is noted that while Members can seek advice and discuss these matters, the final decision as to whether a conflict exists rests with the member.

3. Confirmation of Minutes

Minutes of the Omarunui Refuse Landfill Joint Committee Meeting held Friday 24 November 2017, including minutes while the public were excluded.
(Previously circulated)

4.	Health and Safety Report	5
5.	Annual Review of Hedging Strategy For Landfill Carbon Emissions	11
6.	Omarunui Joint Landfill Annual Report for the year ending 30 June 2018	17
7.	Additional Business Items	
8.	Extraordinary Business Items	

REPORT TO: OMARUNUI REFUSE LANDFILL JOINT COMMITTEE

MEETING DATE: FRIDAY 5 OCTOBER 2018

FROM: SENIOR HEALTH & SAFETY CO-ORDINATOR
NIKOLA BASS

SUBJECT: HEALTH AND SAFETY REPORT

1.0 SUMMARY

- 1.1 The purpose of this report is to update/inform the Committee about Health and Safety Management at the Omarunui Refuse Landfill.

2.0 BACKGROUND

- 2.1 The Health and Safety at Work Act (HSWA) came into effect on 4 April 2016.
- 2.2 The HSWA has created a role named specifically under the Act as “Officers”. The Act places a positive duty on ‘Officers’ of an organisation to exercise due diligence to ensure that the organisation complies with its Health and Safety duties and obligations.
- 2.3 The term “Officers” in the Act includes those who hold positions that enable them to significantly influence the management of the organisation.
- 2.4 For the purposes of this Joint Committee these roles will be referred to “HSWA Officers” (to assist with differentiating between it and “Council Officers”).
- 2.5 HSWA Officers for Hastings District Council are Elected Members and the Chief Executive, and may extend to members of the Leadership Management Team.
- 2.6 Whilst Hastings District Council HSWA Officers are provided with monthly and quarterly health and safety reports in order to assist them in meeting their governance obligations. It is recognised that Napier City Council's Elected Members are also members of this Joint Committee and therefore an overview of Health and Safety Management at the Omarunui Landfill is provided below in order to assist them with their governance obligations.
- 2.7 Due diligence requires HSWA Officers to take reasonable steps to understand the organisation's operations and Health and Safety risks, and to ensure that they are managed so that Council meets its legal obligations.

3.0 CURRENT SITUATION

- 3.1 Omarunui Landfill operates under Hastings District Council's Health and Safety Policy and Procedures

4.0 HEALTH AND SAFETY REPORTING

- 4.1 Health and safety reporting is most comprehensive when it encompasses both Lead and Lag Indicators. Lagging indicators measure an organisation using past incident statistics. A leading indicator is a measure preceding or

indicating a future event used to drive and measure activities carried out to prevent and control injury or illness. They are focused on future safety performance and continuous improvement.

- 4.2 Attached is the financial year to date data for the Omarunui Landfill. The period covered is the the third and fourth quarter of the financial year beginning 1 July 2017.
- 4.3 Moving forward regular reports will be provided to the Joint Committee on a six monthly basis in order to provide meaningful information regarding any trends.
- 4.4 In addition to the six monthly reports, it is recommended that any significant incidents or exceptions be reported quarterly within the operational report.

5.0 SIGNIFICANCE AND ENGAGEMENT

- 5.1 The Report does not trigger Councils Significance and Engagement Policy and no consultation is required.

6.0 RECOMMENDATIONS AND REASONS

- A) That the report of the Senior Health & Safety Co-ordinator titled "Health and Safety Report" dated 5/10/2018 be received.**

Attachments:

- 1 Health & Safety report - 1 January-31 July 2018 HR-03-01-18-293



Omarunui Refuse Landfill Health and Safety Report: 1 January – 31 July 2018

HPRM Reference:

Glossary of Terms

Leading Indicators

- **Health and Safety Risk Assessments** – documented risk assessments for HDC tasks/projects.
- **Health and Safety Observations** - documented conversations/ or task observations undertaken by Managers/Supervisors with HDC employees or Contractors.
- **Health and Safety Inspections** - documented inspections (usually a check of a site or facility using set criteria) undertaken by Managers/Supervisors with HDC employees or Contractors.
- **Health and Safety Meetings** -documented meetings which HDC employees attend (not meetings with contractors).
- **Health and Safety Training** - documented records of employees who have undertaken safety training for the month (both internal and external training).
- **Health and Safety Recognition** - documented recognition of excellence by HDC in regards Health and Safety.

Lagging Indicators

- **Near Misses** - Close call events - i.e. no injury or property damage sustained.
- **Other Incidents** – Non injury events which can't be classified as injury or property damage e.g. Chemical spill, Fire, or conflict situation with member of the public.
- **Property Damages** – reported damage to HDC property/plant/equipment.
- **First Aid Injuries** - Injuries treated onsite by HDC Employees and no further treatment required.
- **Medical Treatment Injuries** - Injuries treated by Registered Medical Professionals e.g. nurse, doctor, physiotherapist, dentist.
- **Lost Time Injuries** - Injuries resulting in time off work.
- **WorkSafe Notifiable Events** - Any incidents which were legally required to be reported to WorkSafe NZ.

1. Leading Indicators (Proactive Measures)

For the Period 1 January 2018 – 31 July 2018

Measure	Q3 and Q4 2017/18	YTD Total
Health and Safety Risk Assessments Undertaken	420	1492
Health and Safety Observations /Inspections Completed	0	18
Toolbox Health and Safety Briefings Held	126	298
Number of HDC Employees attending Health and Safety Training	17	19
Health and Safety Recognition	0	0
Hazards identified	7	7

2. Lagging Indicators

For the Period 1 January 2018 – 31 July 2018. Please note figures may differ from previously reported. They have been corrected from additional reporting.

Incident Type	Number of Reported Incidents			Q3 and Q4 2017/18	YTD Total
	Employees	Contractors	Public		
Near Misses	2	2	0	4	5
Other Incidents	6	2	0	8	10
Property Damages	5	3	0	8	16
Total Injuries	1	0	0	1	3
First Aid Injuries	1	0	0	1	2
Medical Treatment Injuries	0	0	0	0	1
Lost Time Injuries	0	0	0	0	0
WorkSafe Notifiable Events	0	0	0	0	0

Summary of Significant Incidents

No significant incidents reported for this period.

REPORT TO: OMARUNUI REFUSE LANDFILL JOINT COMMITTEE

MEETING DATE: FRIDAY 5 OCTOBER 2018

FROM: MANAGEMENT ACCOUNTANT
JEFF TIEMAN

SUBJECT: ANNUAL REVIEW OF HEDGING STRATEGY FOR
LANDFILL CARBON EMISSIONS

1.0 SUMMARY

- 1.1 The purpose of this report is to obtain a decision from the Committee on the hedging strategy for carbon emissions at the Omarunui Landfill.
- 1.2 This issue arises from the regulations for landfill methane emissions under the New Zealand Emissions Trading Scheme (NZ ETS) which require waste disposal facility operators to surrender emissions units (known as New Zealand Units, NZU) by 31 May each year to match their emissions for the previous calendar year.
- 1.3 The Council is required to give effect to the purpose of local government as prescribed by Section 10 of the Local Government Act 2002. That purpose is to meet the current and future needs of communities for good quality local infrastructure, local public services, and performance of regulatory functions in a way that is most cost-effective for households and businesses. Good quality means infrastructure, services and performance that are efficient and effective and appropriate to present and anticipated future circumstances.
- 1.4 The objective of this decision is relevant to the purpose of Local Government by ensuring ETS obligations are managed in a way that is cost effective to households and businesses.
- 1.5 This report concludes by recommending that the Committee approve the signing of a forward contract to fix the price of NZUs for the 2020 calendar year at 100% cover along with additional cover for 2021 at 80% and 2022 at 60%.

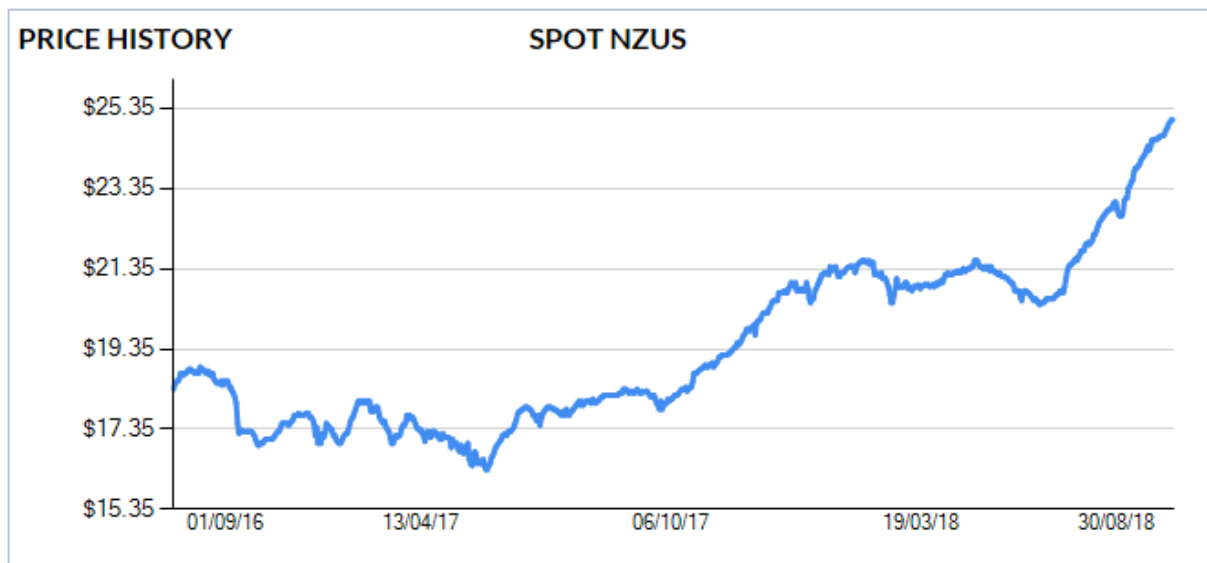
2.0 BACKGROUND

- 2.1 A report on the surrender requirements and obligations for Landfills under the Emissions Trading Scheme was presented to the Omarunui Refuse Landfill Joint Committee at a meeting on 29 June 2012. In summary the report recommended the parent Councils approve the purchase of NZU forward contracts to fix the price of NZUs for three years in advance. This would ensure prudent management of NZU price risk, provide the Landfill with price certainty on NZU prices and ensure full cost recovery.
- 2.2 At its meeting on 28 July 2017 the Omarunui Refuse Landfill Joint Committee approved a hedging strategy to hold forward purchase contracts covering emissions obligations going out 3 years (2017, 2018 and 2019).
- 2.3 The committee also resolved that the hedging strategy be reviewed annually.

- 2.4 The landfill has met its surrender obligations for the 2017 calendar year. This now leaves the landfill holding forward contracts to purchase a total of NZU 187,458 for surrender in May 2019 and May 2020. Details of the NZU forward contracts held by the Landfill are as follows:

Calendar year	Surrender/maturity	Seller	Buyer	No of NZU's	Price/unit	Cost
2018	May 2019	Westpac	HDC	43,230	\$16.85	\$728,425.50
2018	May 2019	Westpac	HDC	38,318	\$21.25	\$814,257.50
2019	May 2020	Westpac	HDC	105910	\$19.96	\$2,113,963.60

- 2.5 The chart below shows the trend in the NZU spot price for the last 3 years.



- 2.6 Current indicative NZU forward cover price for 2020 is \$27.40, 2021 \$28.30 and 2022 \$29.35.

2018 is the last year we will receive a subsidised surrender of NZU's (83%). From 2019 we are required to surrender 100% of the NZU for the landfill emissions.

Calendar Year:	2018	2019 onwards
Transition:	83%	100%
Surrender Obligation:	1 unit for every 1.2 tonnes of emissions	1 unit for every tonne of emissions

3.0 CURRENT SITUATION

- 3.1 The landfill currently has three forward contracts in place to purchase a total of NZU 187,458 over the next two years (May 2019 and May 2020).
- 3.2 We have a carryover balance from 2017 calendar year of 32 NZU which can be used to offset any shortfall in 2018.

- 3.3 Based on latest forecast and economic growth for the region, the expected tonnage for 2020 and beyond to be 90,000T.

4.0 HEDGING OPTIONS

2020

- 4.1 Option 1. Sign a forward cover contract for 2020 calendar year and provide certainty for setting gate prices.
- 4.2 Option 2. Take no forward cover contract for 2020 calendar year and purchase NZU on the spot market in May 2021.

5.0 HEDGING STRATEGY

- 5.1 Currently Omarunui Landfill secure annual contracted prices for NZU for 3 years in advance. The Government are in the process of reviewing how the New Zealand emission trading scheme operates to align this with their objectives for the Paris Agreement and the proposed Zero Carbon Bill. Though this process is still underway, the objective is to limit NZU availability over time and thereby increasing the unit price to encourage organisations to invest in technology to reduce their emissions, which reduces the number of units they require. The open market is already factoring increases in future contract prices beyond 3 years. The table below states the current pricing for NZU forward contracts and spot market.

MARKET	MARKET RULES	TERMS	FAQ	CONTACT
CONTRACT DESCRIPTION (NZ\$)		BEST BID	BEST OFFER	LAST/FIX
NZUs - Spot		25.00	25.20	25.10
NZUs - April 2019		25.50	25.70	25.60
NZUs - April 2020		26.20	26.80	26.50
NZUs - April 2021		27.00	27.80	27.40
NZUs - April 2022		27.80	28.80	28.30
NZUs - April 2023		28.70	30.00	29.35

- 5.2 Officers have discussed the hedging strategy and whether contracts for 3 years in advance is still appropriate or whether we should reduce some of the risk of higher price rises and secure units for years 4 and 5. The major uncertainty with locking in a contract to purchase units is estimating the amount of tonnes expected in the landfill that far out. An option that could be considered is to adopt a strategy consistent with Council's treasury policy and secure contracts for years beyond the current 3 year period, but at a reducing percentage. An example could be 80% for year 4 of estimated volumes and 60% for year 5.

6.0 SIGNIFICANCE AND CONSULTATION

- 6.1 This matter is not significant in terms of Council's Significance Policy and does not trigger a requirement for consultation.

7.0 ASSESSMENT OF OPTIONS

7.1 **Option 1.** Sign a forward cover contract for 2020 calendar year and provide certainty for setting gate prices. This allows Management to lock in gate prices before 2020 calendar year, which will provide certainty to customers as well as alleviate any risk of upward price movement on the spot market during that time frame.

7.2 The following table shows the estimated number of units that the landfill would be required to surrender in May 2021.

<i>May surrender</i>	<i>Progressive surrender requirement</i>	<i>Default factor</i>	<i>Estimated annual tonnages</i>	<i>NZU obligation</i>	<i>Indicative NZU contract price</i>	<i>Potential emission obligation</i>
2021	100%	1.19	90,000	107,100	\$27.40	\$2,934,540

7.3 In estimating the 2020 surrender obligation officers have made the following assumptions:

- The “1 for 1” surrender requirement remains unchanged.
- The default factor remains unchanged at 1.19.

7.4 Tonnages are based on the latest estimates for 2020 calendar year (90,000T) which will require the purchase of NZU 107,100.

7.5 As the surrender requirements are based on estimated tonnages the actual amount of NZUs to be surrendered in the future may slightly vary from the forward purchase contract amount. Any NZU shortfall would be purchased at the time from the spot market and surplus NZUs could either be sold back into the market or remain in the NZU holding account until the next surrender date. Assuming there are no further changes to the current ETS legislation it is anticipated that any shortfalls or surpluses would be small.

7.6 There is a risk that the NZU price may fall below the agreed forward contract rate but the risk to the Council is mitigated with the cost being recovered through the gate charge.

7.7 **Option 2.** Take no forward cover contract for 2020 calendar year and purchase NZU on the spot market in May 2021.

7.8 **Option 3.** In conjunction with option 1, take additional forward cover for year 4 at 80% and year 5 at 60% of estimated tonnages.

<i>May surrender</i>	<i>Percentage covered</i>	<i>Default factor</i>	<i>Estimated annual tonnages</i>	<i>80% NZU obligation</i>	<i>Indicative NZU contract price</i>	<i>Potential emission obligation</i>
2022	80%	1.19	90,000	85,680	\$28.30	\$2,424,744
2023	60%	1.19	90,000	64,260	\$29.35	\$1,886,031

8.0 PREFERRED HEDGING OPTION/S AND REASONS

8.1 **Option 3.** Sign a forward cover contract for 2020 calendar year and secure additional cover for year 4 at 80% and year 5 at 60% of estimated tonnages.

8.2 This option provides the least risk to the landfill and also allows the Committee to set gate prices with certainty the ETS levy collected will cover the forward contract and is consistent with Omarunui Refuse Landfill Joint Committee hedging strategy. Extending the forward cover out to years 4 and 5 at 80% and 60% respectively, allows the landfill to secure price certainty in an ever increasing and strong NZU market. This market is expected to stay strong due the New Zealand's commitment to the Paris Agreement and the Zero Carbon Bill that is going through parliament at the moment. The rationale for securing 80% in year 4 and 60% in year 5 is the difficulty of estimating tonnes this far out as this is heavily reliant of the economic activities within our region. As each year roles on, we are able to then top this up by 20%, so by year 3, we have 100% cover.

Officers have received advice that should the ETS scheme be abandoned all forward contracts held with the banks would be null and void with absolutely no cost to the landfill.

9.0 RECOMMENDATION

- A) That the report of the Management Accountant titled "Annual Review of Hedging Strategy For Landfill Carbon Emissions" dated 5/10/2018 be received.
- B) That the Landfill Committee approve the forward purchase contract for 107,100 New Zealand Units currently estimated at around \$2,934,540 to fix the price of NZUs for the calendar year 2020, 85,680 NZU at around \$2,424,744 for calendar year 2021 and 64,260 NZU at around \$1,886,031 for 2022. The Chief Executive (Hastings District Council) be authorised to approve the nature of the contract and to execute the necessary contracts.
- C) That it be noted that the actual cost of the extension of the forward purchase contract can only be firmly established when the order is placed in the market.
- D) That the hedging strategy be reviewed annually.

Attachments:

There are no attachments for this report.

REPORT TO: OMARUNUI REFUSE LANDFILL JOINT COMMITTEE

MEETING DATE: FRIDAY 5 OCTOBER 2018

FROM: WASTE AND DATA SERVICES MANAGER
MARTIN JARVIS
MANAGEMENT ACCOUNTANT
JEFF TIEMAN

SUBJECT: OMARUNUI JOINT LANDFILL ANNUAL REPORT FOR THE YEAR ENDING 30 JUNE 2018

1.0 SUMMARY

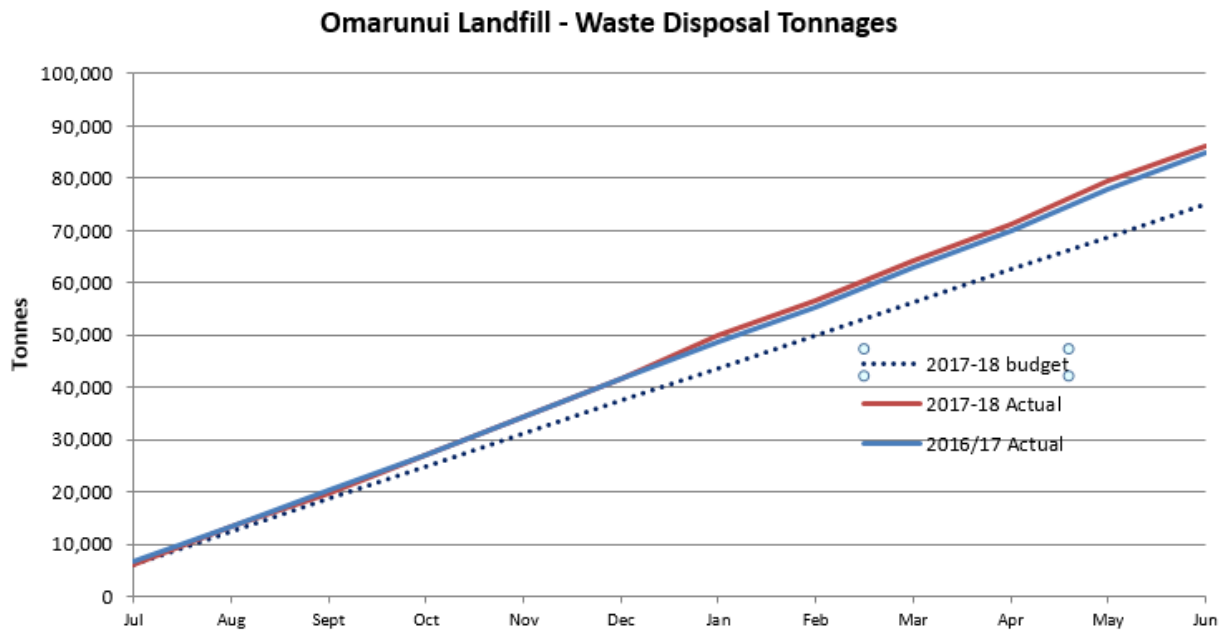
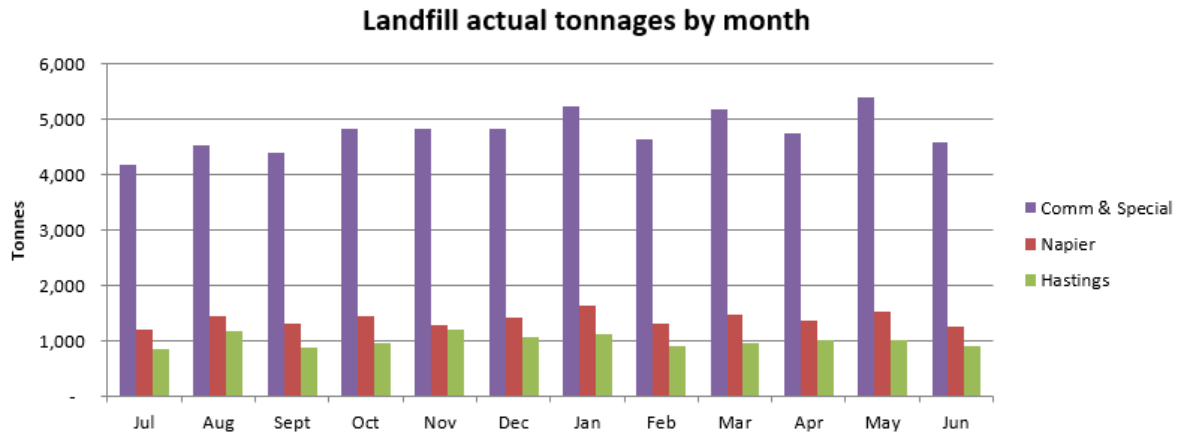
- 1.1 The purpose of this report is to update and inform the Committee on the physical performance aspects of the Omarunui Landfill for the 2017/2018 financial year and provide a commentary on other significant events and impacts.

2.0 BACKGROUND

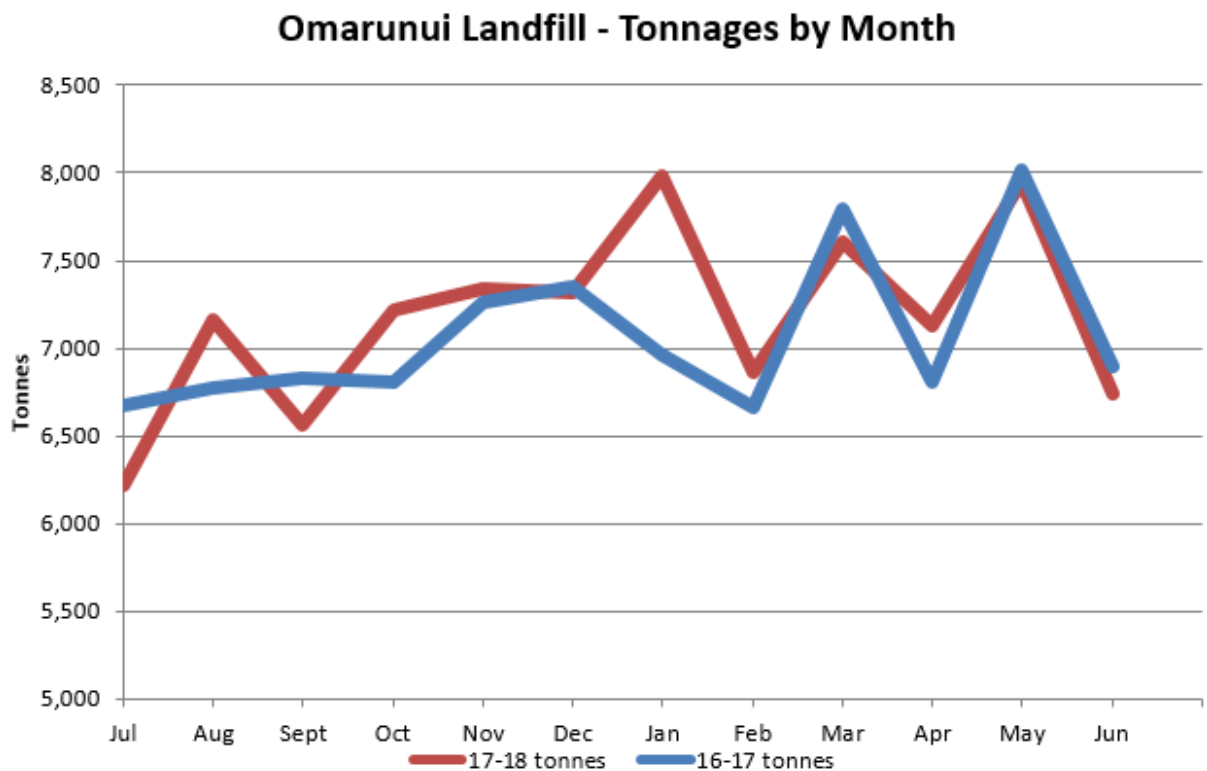
- 2.1 Records of the various categories of waste disposed of at the landfill are recorded in the landfill's weighbridge software system. The estimated tonnages are compared to actual tonnages in the following user categories:

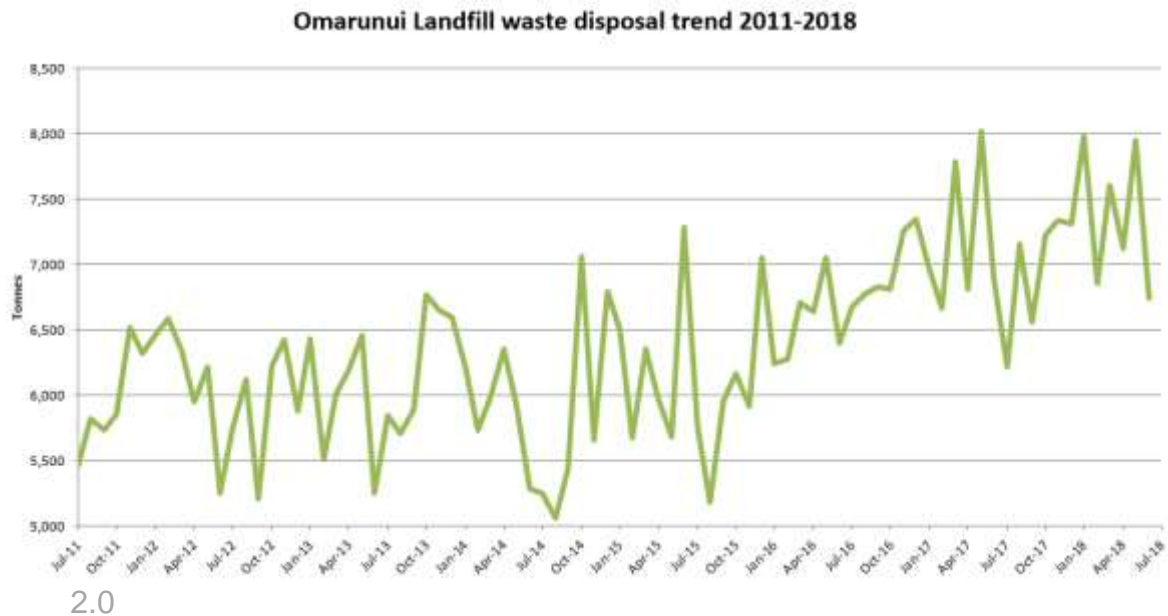
	2016/17 actual (tonnes)	2017/18 actual (tonnes)	2017/18 estimated (tonnes)
Commercial	45,631	46,778	41,000
Special	9,181	10,555	7,000
HDC	13,279	12,073	11,000
NCC	16,752	16,672	16,000
Total	84,843	86,078	75,000

- 2.2 The overall tonnage is 15% higher than estimate, with Napier City 5% above estimate, Hastings District 10% above estimate, commercial 14% above estimate and special 51% above estimate.
- 2.3 Overall tonnages are 1.5% higher compared with last year's tonnages. Napier City has decreased 0.5%, Hastings District a 9% decrease, commercial a 2.5% increase and special a 15% increase.
- 2.4 The category "Commercial" includes all waste brought directly into the landfill by private waste operators and excludes transfer station waste.



1.0





3.0 CURRENT SITUATION

- 3.1 The Landfill reported a surplus of \$3,266,186 for the financial year ended 30 June 2018. This is supported by the Omarunui Landfill Joint Committee Financial Statements for the year ended 30 June 2018 (attached as **Attachment 1**). The financial statements have been audited by Audit NZ, but formal communication of any findings have yet to be received. The surplus of \$3,266,186 was \$1,644,483 above budget and is summarised as follows:

2016/17 Actual	Financial Position	2017/18 Actual	2017/18 Budget	2017/18 Variance	% Variation
8,687,894	Total Revenue	8,759,378	6,898,200	1,861,178	27%
4,734,956	Total Expenditure	5,493,193	5,276,497	(216,695)	-4%
3,952,938	Surplus before adjustments	3,266,186	1,621,703	1,644,483	101%

- 3.2 The actual compared to estimated expenditure* in operations is as follows:

EXPENDITURE	Actual \$	Budgeted \$	Variance \$	Variation
Maintenance - Landfill	856,229	741,345	114,884	-15%
Other refuse disposal	568,749	694,993	(126,244)	18%
External plant hire	431,060	526,547	(95,487)	18%
External plant hire escalations	9,677	40,000	(30,323)	76%
Leachate Treatment/Disposal	113,980	79,601	34,380	-43%
Kiosk Charges	32,559	103,650	(71,091)	69%
Ground & Surface Water Testing	29,271	42,080	(12,809)	30%
Gas to Energy	0	4,500	(4,500)	100%
Farm operations	2,188	3,583	(1,394)	39%
Rates	15,224	23,400	(8,176)	35%
Overheads - Administrative	22,893	22,999	(106)	0%
Depreciation	1,512,317	1,493,800	18,517	-1%
Total	3,594,147	3,776,498	(182,351)	5%

*Excludes revaluation, waste levy and ETS

4.0 MAINTENANCE

- 4.1 Slightly more maintenance work was required during the year and as a result costs were 15% over budget. The landfill carries out planned maintenance work and unplanned work as required. Planned items include work on the drains, roads, stormwater ponds, fences, storage areas, compound and landfill cap. As a result the landfill is in very good shape.

5.0 REFUSE DISPOSAL

- 5.1 Disposal costs are 18% below budget. Savings on disposal operations were generated by efficiencies at the tip face and savings generated by the integration of operational and development work on Stage 3C of Area D.

6.0 EXTERNAL PLANT HIRE

- 6.1 The savings in the plant hire area can be attributed to efficiencies at the tip head and the reduced number of times the tip head needed to be shifted. Furthermore the access road to the tip area is now much shorter than it has been historically and less work is required to maintain it. During the year efficiencies were also gained by the integration of development and operational earthworks.

7.0 LEACHATE TREATMENT

- 7.1 Leachate treatment/disposal costs were over budget by \$34,380. This was due to the need to cart some leachate offsite for treatment and improvements to the leachate reticulation network including pumps.

8.0 FOREST ACCOUNT

- 8.1 The forest harvest was completed in August 2017 with total revenue of \$1,644,574 and expenditure of \$163,488. The net revenue of \$1,481,086 was distributed to the shareholding Councils minus \$120,000 which was transferred to a reserve to cover the replanting and maintenance costs.

9.0 GROUND & SURFACE WATER TESTING

- 9.1 All ground and surface water testing was carried out as required by the resource consents for the site. The work is independently undertaken by Stantec (formerly MWM consultants). This account was under spent by \$12,809 as no additional (unscheduled) testing was required during the course of year.

10.0 REVENUE

- 10.1 Total revenue was 27% more than estimated due to the increased volumes of waste received at the site.

Revenue* details are as follows:

REVENUE	Actual \$	Budgeted \$	Variance \$	Variation
Commercial Operations	4,291,027	3,454,000	837,027	24%
Forest	474,451	0	474,451	
Hastings District	823,516	737,000	86,516	12%
Napier City	1,173,719	1,072,000	101,719	9%
Other Revenue (sale of gas)	38,268	50,000	(11,732)	-23%
Rentals (Farm)	14,177	9,200	4,977	54%
Tyre development	86,078	75,000	11,078	15%
Total	6,901,235	5,398,200	1,503,035	28%

*Excludes waste levy, ETS and interest on funds

- 10.2 The Other Revenue category includes income from the sale of landfill gas and the power plant site lease. The revenue from the sale of gas was lower than budget due to the plant consumption levels being lower than expected. The budget for the 2018/19 gas revenue has been adjusted to reflect actual consumption.

11.0 CURRENT DEVELOPMENT AND DEVELOPMENT EXPENDITURE

- 11.1 The development costs for the Omarunui Landfill for the 2017/2018 year were as follows:

Actual \$	Budget \$	Variance \$	Variation %
\$875,259	\$1,981,805	\$1,106,546	56%

- 11.2 Development costs incurred during the 2017/18 year principally related to the small section of liner installed in Stage 3C of Area D. This involved earthworks, earth liner construction and the landfill gas capture system. While not being a large area of liner it's an important milestone as it completes development work at the northern end of Area D (stage 3) and refuse can now be filled up to the access road boundary. Development funds not spent have been carried forward to the 2017/18 year.

12.0 FUTURE DEVELOPMENT WORK

- 12.1 It is expected that a substantial amount of work will be carried out on developing the gas capture system in the 2018/19 year. This work involves vertical extraction wells, horizontal wells and pipe network. Only a small amount of earthworks is anticipated over the course of the year.
- 12.2 There is no construction work planned for Area's B and C in 2018/19 year. However, design, planning and consent related work is likely during the course of the current year. Based on current waste volumes a new landfill area (either Area B or C) will be required by the end of 2023. To meet this deadline consenting and constructing work will need to start well before that date. The landfill does have the ability to maximise and extend the filling area of Area D (stage 4) and this will add an additional two years life to the overall site. Future landfill budgets allow for the development work associated with the full construction of Area D. These budgets are reviewed annually to ensure appropriateness.

13.0 WASTE LEVY

- 13.1 The waste levy continues to be collected at a rate of \$10 per tonne and passed on to the Ministry for the Environment. At this stage there has been no firm indication from the government that the \$10 per tonne rate will be increased, however there continues to be public debated about the application of the levy to a wider range of landfills and the levy rate itself.

14.0 EMISSIONS TRADING SCHEME (WASTE)

- 14.1 The Emissions Trading Scheme (ETS) has an impact on the gross charge rate for all waste accepted by the landfill. The additional charge to cover ETS compliance has been applied in a similar way to the waste levy and GST. Accordingly the ETS charge is added to the base disposal rate as derived by the Full Cost Accounting Model and set by the Omarunui Joint Refuse Landfill Committee.
- 14.2 Over recent years the Government has implemented changes to the ETS that have had a significant impact on the landfill. These changes have resulted in greater compliance costs and the ETS charge has now been lifted from \$10 to \$18 per tonne as of the 2018/19 year. Further increases beyond the current level have been allowed for in future budgets.
- 14.3 The ETS is the subject of a separate report to the committee.

15.0 LEACHATE & TYRES

- 15.1 The landfill has been collecting \$1 per tonne to generate a reserve to directly fund the development of a permanent irrigation system and any costs relating to emergency offsite disposal situations. The balance of the leachate reserve as at 30 June 2018 was \$347,074.
- 15.2 A tyre reserve was started in 2017/18 and this has a balance in the reserve of \$86,078. The reserve is to assist in the shredding and/or cartage of waste tyres to a government endorsed disposal site that would recycle the tyres or extract energy from the disposal process.

16.0 LANDFILL DISPOSAL COST

- 16.1 The base disposal charge rate for the 2017/18 year was \$68 (excludes waste levy, ETS and GST). This rate remained unchanged for the current 2018/19 financial year, however an increase in the cost of meeting ETS obligations resulted in an overall increase in the gate charge. When the Waste Levy (\$10) and ETS (\$18) charges are added to the base rate the disposal charge becomes \$96 per tonne (excluding GST). The Ministry for the Environment's "Full Cost Accounting Model" is used for calculating the base charge rate so that all costs associated with operating the site are recovered at the gate.

17.0 LANDFILL LIAISON COMMITTEE

- 17.1 There have been no meetings of the Landfill Liaison Committee during the last financial year. The Landfill Liaison Committee members are invited to all Omarunui Refuse Landfill Joint Committee meetings and are sent the agendas of these meetings.

18.0 LANDFILL USERS MEETING

- 18.1 A landfill users' meeting was held on 24 November 2017. Topics for discussion included charge rates, development work, general business and an update on the Waste Management & Minimisation Plan process.

19.0 SECURITY

- 19.1 Security at the site is continually reviewed. Cameras have been installed at the kiosk/weighbridge and tip face for security reasons and the policing/recording of refuse entering the facility. No break in's to the site were recorded in the 2017/18 year.

20.0 HEALTH AND SAFETY

- 20.1 The Omarunui Landfill operates under the Hastings District Council's Health and Safety Policy. The Council's commitment under this policy is ***"to keep employees, volunteers, contractors and the community safe through living a strong safety culture"***.
- 20.2 Additional Health & Safety information, and matters relating to the performance of the landfill over the course of the 2017/18 year, are the subject of a separate report to this committee.

21.0 ISO 9001 - QUALITY ASSURANCE

- 21.1 The quality management certification of the landfill is part of the Hastings District Council Asset Management certification.
- 21.2 The Asset Management quality system was externally audited for certification on 12 March 2018 by Dan Hynson of Telarc SAI. The AS/NZS ISO 9001 Certification has an expiry date of 12 March 2019.
- 21.3 One internal audit was completed during the year July 2017 to June 2018. The documented procedures were found to be working well with no new improvements suggested.
- 21.4 The landfill's objective is to comply with all consent requirements. Any non-compliance issues are reported to the Hawke's Bay Regional Council (HBRC) as per consent instructions and dealt with accordingly.

22.0 COMPLAINTS

- 22.1 Only two complaints were received during the 2017/18 year. One of the complaints was in relation to seagulls and the other concerned odour. In respect of the birds an additional "bird-banger" was hired for a period of time to scare the birds away. With regard the odour complaints they related to drilling work in the refuse when installing new gas extraction wells. Typically, very few formal complaints are received about the landfill.
- 22.2 Complaints traditionally concern odour, birds, speeding vehicles and litter blown from the site and off trucks. Complaints about odour are investigated by landfill staff and typically this is a result of a "smelly" load of refuse entering the site or when the need arises to excavate into existing waste mass during the course of development work (i.e. installing gas wells). The new gas extraction wells that have been installed in Area D have created a negative

pressure zone in that area which has reduced the tendency for landfill gas to vent out into the open air. As not all odours in this rural location can be attributed to the landfill, wind direction information is monitored at the site so that the source of any odours can be more easily identified.

22.3 In terms of litter, the landfill policy is to pick up litter whenever required (without prompting) and from neighbouring properties following any strong winds. This proactive approach has worked well and the landfills direct neighbours very rarely complain as they know the issue will be dealt with automatically. One complaint was received during the course of the year and this was dealt with immediately.

22.4 Maintenance work on the unsealed access road is continuous and includes watering, grading and the application of suitable metal. Some verbal complaints were received about the condition of the unsealed road during the course of the year. When a complaint is received the condition of the road is re-evaluated and maintenance work is carried out as required.

23.0 JOINT WASTE MANAGEMENT AND MINIMISATION PLAN

23.1 The Omarunui Joint Refuse Landfill Committee members will be aware that the parent Council's (NCC and HDC) are reviewing the current Joint Waste Management & Minimisation Plan (WMMP). The Waste Minimisation Act 2008 requires councils to adopt a WMMP, which must be reviewed every six years. A draft plan has been consulted on and both the HDC and NCC have since adopted the plan.

24.0 CONCLUDING COMMENTS

24.1 From 2011 through to 2016 landfill waste volumes were static at around the 72,000 tonnes mark. However there was sharp increase in the 2016/17 year and the annual waste volume increased by 9,500 tonnes. After that jump the upward trend has levelled off somewhat and only a modest increase of 1,200 tonnes was recorded last financial year. The increased volume of waste going to landfill is considered to be the result of increased economic activity and population growth in Hawke's Bay.

24.2 The final outcome of the Joint Waste Management and Minimisation Plan review may have an impact on the Omarunui Landfill by way of reduced waste volumes. Either way, planning and development work on Area B or C needs to continue to ensure that landfill space is available for residual waste.

25.0 RECOMMENDATION

A) That the report of the Waste and Data Services Manager titled "Omarunui Joint Landfill Annual Report for the year ending 30 June 2018" dated 5/10/2018 be received.

B) That the unaudited Omarunui Joint Landfill Financial Statements for the year ended 30 June 2018 and attached as Appendix 1 be received.

Attachments:

1 Omarunui Landfill Financial Statements June 2018 CG-14-27-00032

**OMARUNUI LANDFILL JOINT COMMITTEE
FINANCIAL STATEMENTS
FOR THE YEAR ENDED 30 JUNE 2018**

CONTENTS	PAGE
Statement of Financial Performance	2
Statement of Financial Position	3
Statement of Movements in Equity	4
Notes to the Financial Statements	5-6
Statement of Cashflows	7
Statistical Summary	8

Item 6**Attachment 1**

**OMARUNUI LANDFILL JOINT COMMITTEE
STATEMENT OF FINANCIAL PERFORMANCE
FOR THE PERIOD ENDING 30 JUNE 2018**

2016/17 ACTUAL \$	Note Notes	2017/18 ACTUAL \$	2017/18 BUDGET \$	2017/18 VARIANCE \$
REVENUE				
2,043,939		1,997,235	1,809,000	188,235
4,059,878		4,291,027	3,454,000	837,027
1,170,123		560,529	76,000	484,529
40,696		38,268	50,000	(11,732)
4,177		14,177	9,200	4,977
96,434		136,581	-	136,581
84,843	(i)	-	-	-
848,431	(ii)	860,781	750,000	110,781
339,372	(iii)	860,781	750,000	110,781
8,687,894		8,759,378	6,898,200	1,861,178
EXPENDITURE				
1,013,829		856,229	741,345	114,884
462,463		568,749	694,993	(126,244)
421,320		431,060	526,547	(95,487)
5,729		9,677	40,000	(30,323)
62,949		113,980	79,601	34,380
32,657		32,559	103,650	(71,091)
22,810		29,271	42,080	(12,809)
-		(0)	4,500	(4,500)
-		184,149	-	184,149
2,976		2,188	3,583	(1,394)
15,586		15,224	23,400	(8,176)
21,685	(iv)	22,893	22,999	(106)
1,485,385		1,512,317	1,493,800	18,517
848,195	(ii)	854,115	750,000	104,115
339,372	(iii)	860,781	750,000	110,781
4,734,956		5,493,192	5,276,497	216,695
Reverse: Landfill Forest				
3,952,938		3,266,186	1,621,703	1,644,483
SURPLUS BEFORE ADJUSTMENTS				
(56,710)		88,165	0	
(44,800)		(77,700)	0	
51,820		(117,755)	0	
4,106,268		3,137,965		
SURPLUS				
314,890	1	278,771		
1,022,586	2	(1,013,803)		
110,686	3	113,137		
92,999	4	(29,680)		
-	5	86,078		
-	6	120,000		
2,585,106	9	3,583,462		
4,106,268		3,137,965		

The notes on pages 5 to 6 form part of and should be read in conjunction with these financial statements.

Reasons for the variance between actual and budget:

(i) A provision for leachate/tyre development of \$1/T

(ii) A waste Levy of \$10/T collected and paid back to the Ministry of Environment

(iii) ETS levy has been collected since January 2013. Current financial year it is \$10/T

(iv) The overhead costs have been agreed with NCC at budget time

(v) The adjustment to the present value of the aftercare provision. This adjustment takes into account future cashflows, landfill fullness and all costs associated with landfill post closure

**OMARUNUI LANDFILL JOINT COMMITTEE
STATEMENT OF FINANCIAL POSITION
FOR THE PERIOD ENDING 30 JUNE 2018**

2016/17 Total 100%		Note	2017/18 Total 100%	2017/18 HDC Share 63.68%	2017/18 NCC Share 36.32%
INVESTMENTS					
2,116,711	Plant Replacement Reserve	1	2,395,482	1,525,443	870,039
1,013,803	Property Reserve	2	-	-	-
2,073,457	Aftercare Reserve	3	2,186,595	1,392,423	794,171
376,754	Leachate Development Reserve	4	347,074	221,017	126,057
-	- Tyre Reserve	5	86,078	54,815	31,264
-	- Forest Replant Reserve	6	120,000	76,416	43,584
789,273	Forestry	8	30,424	19,374	11,050
<u>6,369,998</u>			<u>5,165,653</u>	<u>3,289,488</u>	<u>1,876,165</u>
FIXED ASSETS					
9,967,092	Landfill assets		9,379,812	5,973,064	3,406,748
<u>\$ 16,337,090</u>	Total assets		<u>\$ 14,545,464</u>	<u>\$ 9,262,552</u>	<u>\$ 5,282,913</u>
PROVISIONS					
808,049	Aftercare Provision		818,515	521,230	297,285
<u>808,049</u>			<u>818,515</u>	<u>521,230</u>	<u>297,285</u>
349,465	ETS Provision		467,220	297,526	169,694
<u>349,465</u>			<u>467,220</u>	<u>297,526</u>	<u>169,694</u>
RATEPAYER EQUITY					
9,024,151	Accumulated Balance	9	8,124,500	5,173,682	2,950,818
6,155,426	Reserves	10	5,135,229	3,270,114	1,865,115
<u>15,179,577</u>			<u>13,259,729</u>	<u>8,443,795</u>	<u>\$ 4,815,934</u>
<u>\$ 16,337,091</u>	Total funds employed		<u>\$ 14,545,464</u>	<u>\$ 9,262,552</u>	<u>\$ 5,282,913</u>

The notes on pages 5 to 6 form part of and should be read in conjunction with these financial statements

**OMARUNUI LANDFILL JOINT COMMITTEE
STATEMENT OF MOVEMENTS IN EQUITY
FOR THE PERIOD ENDING 30 JUNE 2018**

2016/17 Total	Note	2017/18 Total
13,878,016	Equity at the start of the period	15,179,577
574,700	Plus Revaluation Reserve	(574,700)
4,106,268	Net Surplus for the period	3,137,965
	Total Recognised Revenues and Expenses	
4,106,268	for the Period	3,137,965
	<u>Distributions to Owners</u>	
	9	
(1,227,401)	Napier City Council	(1,628,267)
(2,152,007)	Hastings District Council	(2,854,846)
<u>\$ 15,179,577</u>	Equity at the end of the Period	<u>\$ 13,259,729</u>
	<u>Components of Equity</u>	
9,024,151	Accumulated Balance	8,124,500
6,155,426	Reserves	5,135,229
<u>\$ 15,179,577</u>		<u>\$ 13,259,729</u>

**OMARUNUI LANDFILL JOINT COMMITTEE
NOTES TO FINANCIAL STATEMENTS
FOR THE PERIOD ENDING 30 JUNE 2018**

Statement of Accounting Policies

Reporting Entity

These are the financial statements of the Omarunui Landfill Joint Committee. The Joint Committee comprises members from the Hastings District Council which owns 63.68% of the Landfill and the Napier City Council which owns the remaining 36.32%.

The financial statements of the Omarunui Landfill Joint Committee have been prepared in accordance with the Local Government Act 2002 and the generally accepted accounting principles, as appropriate and relevant for the reporting of financial information in the public sector, recognised by Chartered Accountants Australia New Zealand (CAANZ).

Measurement Base

The measurement base adopted is that of historical cost.

Inventories

There were no inventories on hand at balance date. Spare part stocks are owned by the Hastings District Council and expensed when work is completed.

Fixed assets

Fixed assets are recorded at cost, less depreciation.

Depreciation

Depreciation is provided on straight line basis on all tangible fixed assets other than land, at rates calculated to allocate the assets' cost less residual value, over their estimated useful lives.

Investments

Investments, which include forestry assets are recorded at market value.

Development costs (Valley A and Valley D development)

Development costs are charged to expense as incurred, except where future benefits are expected, beyond any reasonable doubt, to exceed those costs. Where development costs are deferred they amortise over future periods on a basis related to expected future revenue.

Goods and Services Tax

All amounts shown are exclusive of Goods and Services Tax. GST which cannot be recovered on exempt items is expensed to the income account.

Cost of capital

A charge of 7% was made on the book value of the plant items operated out of the plant operating account. No cost of capital was made for any other assets.

Overhead costs

Overheads have been charged for labour, plant and corporate administration.

Aftercare Costs

The Provision for Valley A Aftercare costs was established in the financial year 2001/02. Valley A closed in 2006 and as of 01 July 2017 the on-going aftercare costs of this valley will be \$56,184 per annum for 18 years.

A Provision for Closure and Aftercare costs for Valley D was established in the financial year end 30 June 2008. It is assumed closure costs will be approximately \$1.3 million and on-going aftercare costs will be \$37,816 per annum for 30 years

Operating Surpluses

No Operating Surpluses are held by the Landfill Committee for the purpose of future development. All surpluses are distributed to the sponsoring Councils, who, in turn use these funds for purposes related to Landfill and waste disposal operations within their individual accounting structures.

Changes in Accounting Policies

There have been no changes in accounting policies since the previous annual financial statements.

Notes to Financial Statements

2016/17 Total 100%		Note	2017/18 Total 100%	2017/18 HDC Share 63.68%	2017/18 NCC Share 36.32%
PLANT REPLACEMENT RESERVE					
1,801,821	Balance at beginning of year	1	2,116,711	1,347,922	766,789
269,080	Transfer to/from reserves		226,911	144,497	82,414
45,810	Interest		51,860	33,024	18,835
<u>\$ 2,116,711</u>	Balance at end of year		<u>\$ 2,395,482</u>	<u>1,525,443</u>	<u>870,039</u>
PROPERTY RESERVE					
(8,783)	Balance at beginning of year	2	1,013,803	645,590	368,213
(2,418)	Interest		29,872	19,022	10,849
1,025,004	Transfer to/from reserves - forestry		(1,043,675)	(664,612)	(379,063)
<u>\$ 1,013,803</u>	Balance at end of year		<u>\$ -</u>	<u>-</u>	<u>-</u>
AFTERCARE RESERVE					
1,962,771	Balance at beginning of year	3	2,073,457	1,320,378	753,080
44,886	Interest		47,337	30,144	17,193
65,800	Transfer to/from reserves		65,800	41,901	23,899
<u>\$ 2,073,457</u>	Balance at end of year		<u>\$ 2,186,595</u>	<u>1,392,423</u>	<u>794,171</u>
LEACHATE RESERVE					
283,755	Balance at beginning of year	4	376,754	239,917	136,837
8,156	Interest		7,514	4,785	2,729
84,843	Transfer to/from reserves		(37,194)	(23,685)	(13,509)
<u>\$ 376,754</u>	Balance at end of year		<u>\$ 347,074</u>	<u>221,017</u>	<u>126,057</u>
TYRE RESERVE					
-	Balance at beginning of year	5	-	-	-
-	Interest		-	-	-
-	Transfer to/from reserves		86,078	54,815	31,264
<u>\$ -</u>	Balance at end of year		<u>\$ 86,078</u>	<u>54,815</u>	<u>31,264</u>
FOREST REPLANT RESERVE					
-	Balance at beginning of year	6	-	-	-
-	Interest		-	-	-
-	Transfer to/from reserves		120,000	76,416	43,584
<u>\$ -</u>	Balance at end of year		<u>\$ 120,000</u>	<u>76,416</u>	<u>43,584</u>
REVALUATION RESERVE					
574,700	Balance at beginning of year	7	574,700	365,969	208,731
574,700	Transfer to/from reserves		(574,700)	(365,969)	(208,731)
<u>\$ 574,700</u>	Balance at end of year		<u>\$ -</u>	<u>-</u>	<u>-</u>
FORESTRY					
<u>\$ 789,273</u>	Accumulated costs to date	8	<u>\$ 30,424</u>	<u>19,374</u>	<u>11,050</u>
<u>Costs comprised as follows:</u>					
	Consultants				
	Insurance				
	Management				
	Rates				
<u>\$ -</u>			<u>\$ -</u>		
ACCUMULATED BALANCE					
9,836,453	Balance at beginning of year	9	9,024,151	5,746,580	3,277,572
2,565,106	Surplus for year		3,583,462	2,281,948	1,301,513
12,403,559			12,607,613	8,028,528	4,579,085
3,379,408	Distributions		4,483,113	2,854,846	1,628,267
<u>\$ 9,024,151</u>	Balance at end of year		<u>\$ 8,124,500</u>	<u>5,173,882</u>	<u>2,950,618</u>

RESERVES		10			
2,116,711	Plant Replacement Reserve (note 1)		2,395,482	1,525,443	870,039
1,013,803	Property Reserve (note 2)		-	-	-
2,073,457	Aftercare Reserve (note 3)		2,186,595	1,392,423	794,171
376,754	Leachate Reserve (note 4)		347,074	221,017	126,057
-	Tyre Reserve (note 5)		86,078	54,815	31,264
-	Forest Replant Reserve (note 6)		120,000	76,416	43,584
574,700	Revaluation Reserve (note 7)		-	-	-
<u>\$ 6,155,426</u>	Total Reserves at end of year		<u>\$ 5,135,229</u>	<u>3,270,114</u>	<u>1,865,115</u>

Item 6

Attachment 1

**OMARUNUI LANDFILL JOINT COMMITTEE
STATEMENT OF CASHFLOWS
FOR THE PERIOD ENDING 30 JUNE 2018**

2016/17 Total	Note	2017/18 Total
CASHFLOWS FROM OPERATING ACTIVITIES		
<u>Cash was received from:</u>		
5,270,697	Receipts from customers	4,889,823
2,043,939	Receipts from Local Authorities	1,997,235
96,434	Interest Received	136,581
84,843	Leachate Development	0
339,372	ETS \$10/t	860,781
848,431	Waste levy \$10/t	860,781
4,177	Rent Received	14,177
<u>8,687,894</u>		<u>8,759,378</u>
<u>Cash was disbursed to:</u>		
3,249,571	Payments to Suppliers and Employees	3,792,320
<u>3,249,571</u>		<u>3,792,320</u>
5,438,323	Net Cash Inflow from Operating Activities	4,967,058
	A	
CASH FLOWS FROM INVESTING ACTIVITIES		
<u>Cash was received from:</u>		
-	Sale of Fixed Assets	6,000
<u>Cash was applied to:</u>		
-	Valley A Development	
500,754	Valley D Development	678,794
17,000	Valley B/C Development	196,465
-	Purchase of Fixed Assets	60,184
	Forestry Development	
314,890	(Increase)/Decrease in Plant Replacement Reserve	278,771
1,022,586	(Increase)/Decrease in Property Reserve	(1,013,805)
110,686	(Increase)/Decrease in Aftercare Reserve	113,137
-	(Increase)/Decrease in Tyre Reserve	86,078
-	(Increase)/Decrease in Forest Replant Reserve	120,000
92,999	(Increase)/Decrease in Leachate Reserve	(29,680)
<u>2,058,916</u>		<u>489,945</u>
(2,058,916)	Net Cash (Outflow) from Investment Activities	(483,945)
	B	
CASH FLOWS FROM FINANCING ACTIVITIES		
<u>Distribution to Owners:</u>		
(1,227,401)	Napier City Council (36.32%)	(1,628,267)
(2,152,007)	Hastings District Council (63.68%)	(2,854,846)
(3,379,408)	Net Cash(Outflow) from Financing Activities	(4,483,113)
	C	
CLOSING CASH RECONCILIATION		
0	Net Increase/(Decrease) in Cash Held	0
0	Add Opening Cash	0
<u>0</u>	<u>Closing Cash Balance</u>	<u>0</u>
	A+B+C	

Note 6 Fixed Assets

	Opening Asset Costs	SA Additions	CAJ Disposal @ cost	RV/RW Revaluation	Closing Asset Cost	Opening Accumulated Depn	DE Depn	DAJ Disposal Accumulated Depn	Closing Accumulated Depn	Closing Written Down Value	Disposal (Gain)/Loss
Computer & Office Eq											
UPS Vackak Rack - 7 KVA	3,112.50	0.00	0.00	0.00	3,112.50	-3,112.50	0.00	0.00	-3,112.50	0.00	0.00
Ricoh MP C3503 Photocopier	5,119.21	0.00	0.00	0.00	5,119.21	-2,555.44	-1,021.06	0.00	-3,576.50	1,542.71	0.00
	8,231.71	0.00	0.00	0.00	8,231.71	-5,667.94	-1,021.06	0.00	-6,689.00	1,542.71	0.00
Landfill											
Land	587,440.00	0.00	0.00	0.00	587,440.00	-0.01	0.00	0.00	-0.01	587,439.99	0.00
Main Road Upgrading	134,000.00	0.00	0.00	0.00	134,000.00	-80,470.23	-3,181.82	0.00	-83,652.05	40,347.95	0.00
Access Road Upgrading	254,200.00	0.00	0.00	0.00	254,200.00	-171,628.66	-6,035.54	0.00	-177,664.20	76,535.80	0.00
Kiosk Building	34,000.00	0.00	0.00	0.00	34,000.00	-22,950.40	-407.36	0.00	-23,757.76	10,242.24	0.00
Sepic Tank	8,365.00	0.00	0.00	0.00	8,365.00	-4,778.47	-198.85	0.00	-4,977.12	3,387.88	0.00
Weighbridge	78,000.00	0.00	0.00	0.00	78,000.00	-52,857.04	-1,854.09	0.00	-54,509.10	23,490.90	0.00
Water Supply	94,300.00	0.00	0.00	0.00	94,300.00	-43,663.69	-2,239.15	0.00	-45,902.84	28,307.16	0.00
Truck Wash	20,200.00	0.00	0.00	0.00	20,200.00	-17,887.41	-422.08	0.00	-18,309.49	7,890.51	0.00
Power	24,880.00	0.00	0.00	0.00	24,880.00	-16,797.05	-590.75	0.00	-17,387.80	7,492.20	0.00
Telemetry	10,000.00	0.00	0.00	0.00	10,000.00	-4,799.31	-237.44	0.00	-5,096.75	3,003.25	0.00
Other	154,131.00	0.00	0.00	0.00	154,131.00	-104,059.34	-3,659.82	0.00	-107,719.16	46,411.84	0.00
Valley A Development	8,832,776.66	0.00	0.00	0.00	8,832,776.66	-8,832,776.66	0.00	0.00	-8,832,776.66	0.00	0.00
Valley A Aftercare	618,353.00	0.00	0.00	0.00	618,353.00	-618,353.00	0.00	0.00	-618,353.00	0.00	0.00
Valley D Development	18,944,613.82	678,794.50	0.00	0.00	19,623,407.92	-11,018,912.86	-1,260,143.83	0.00	-12,279,056.68	7,344,351.24	0.00
Site Perimeter Fencing	82,601.00	0.00	0.00	0.00	82,601.00	-82,601.00	0.00	0.00	-82,601.00	0.00	0.00
Gas Extraction System & Flare	1,038,406.93	0.00	0.00	0.00	1,038,406.93	-1,038,406.93	0.00	0.00	-1,038,406.93	0.00	0.00
Gas Management System - Valley D	84,305.00	0.00	0.00	0.00	84,305.00	0.00	0.00	0.00	0.00	84,305.00	0.00
Valley B/C Development	520,281.68	156,465.00	0.00	0.00	716,746.68	0.00	0.00	0.00	0.00	716,746.68	0.00
Gas Analyser	17,850.00	0.00	0.00	0.00	17,850.00	-7,254.98	-490.96	0.00	-8,145.04	9,704.96	0.00
Barrier Arms x2	20,318.20	0.00	0.00	0.00	20,318.20	-8,213.04	-1,073.11	0.00	-9,226.15	11,092.05	0.00
GW Pump Hose Reel	4,441.99	0.00	0.00	0.00	4,441.99	-4,441.99	0.00	0.00	-4,441.99	0.00	0.00
	31,589,464.38	875,259.00	0.00	0.00	32,464,723.38	-32,182,412.07	-1,281,472.04	0.00	-23,463,884.13	8,000,839.25	0.00
Vehicles Mach & Eq											
Mitsubishi Fighter, 4 x 2 Cab Truck	50,879.51	0.00	0.00	0.00	50,879.51	-50,879.51	0.00	0.00	-50,879.51	0.00	0.00
Yanmar YDP20NE Pump	4,092.00	0.00	0.00	0.00	4,092.00	-1,325.54	-406.04	0.00	-1,737.58	2,354.42	0.00
John Deere Tractor	64,885.07	0.00	0.00	0.00	64,885.07	-33,756.02	-6,470.74	0.00	-40,226.76	24,658.31	0.00
John Deere Tractor	26,985.00	0.00	0.00	0.00	26,985.00	-8,999.87	-1,794.05	0.00	-10,793.92	16,191.08	0.00
Toyota Hilux 4WD Double Cab Ute JF051	35,887.91	0.00	0.00	0.00	35,887.91	-5,971.76	-3,203.25	0.00	-9,225.03	26,662.88	0.00
Caterpillar, Wheel Loader	108,900.00	0.00	0.00	0.00	108,900.00	-82,179.92	-8,698.10	0.00	-100,868.02	8,031.98	0.00
Champion Grader D886	26,353.00	0.00	0.00	0.00	26,353.00	-26,353.00	0.00	0.00	-26,353.00	0.00	0.00
Gen Tech Bladder Pump & Controller	6,409.00	0.00	0.00	0.00	6,409.00	-1,120.68	-439.13	0.00	-1,759.81	4,648.19	0.00
Tsunami KT22.2 Sumpersible Pump	4,091.00	0.00	0.00	0.00	4,091.00	-715.38	-407.99	0.00	-1,123.37	2,967.63	0.00
Yanmar Air Electric Start Trash Pump	4,221.00	0.00	0.00	0.00	4,221.00	-667.75	-420.84	0.00	-1,088.69	3,132.31	0.00
Yanmar YDP 305TE Pump	3,828.00	0.00	0.00	0.00	3,828.00	-1,148.36	-381.73	0.00	-1,530.69	2,297.91	0.00
Fogco Oshor System P	10,490.66	0.00	0.00	0.00	10,490.66	-10,490.66	0.00	0.00	-10,490.66	0.00	0.00

Note 6 Fixed Assets

	SA	CAJ	RVP/RW	Closing Asset Cost	Opening Accumulated Depn	DE Depn	DAJ Disposal Accumulated Depn	Closing Written Down Value	Disposal (Gain/Loss)
	Additions	Disposal @ cost	Revaluation						
Opening Asset Costs									
Fogon Odour System P	10,400.65	0.00	0.00	10,400.65	0.00	0.00	0.00	0.00	0.00
Fogon Odour System Pump	17,084.83	0.00	0.00	17,084.83	-17,084.83	0.00	0.00	0.00	0.00
Pump, Lowair Leachate	15,688.43	0.00	0.00	15,688.43	-15,687.35	-20.88	0.00	-15,639.43	0.00
Honda Twin Impeller Fire Fighter Pump	1,740.00	0.00	0.00	1,740.00	-1,740.00	0.00	0.00	-1,740.00	0.00
Wingate Concrete Mix	500.00	0.00	0.00	500.00	-600.00	0.00	0.00	-500.00	0.00
Tandem Trailer	5,000.00	0.00	0.00	5,000.00	-5,000.00	0.00	0.00	-5,000.00	0.00
Trailer Spray System	10,250.00	0.00	0.00	10,250.00	-10,250.00	0.00	0.00	-10,250.00	0.00
Cougar 4x7m Trailer - Job Mate	1,409.00	0.00	0.00	1,409.00	-178.40	-57.20	0.00	-375.60	0.00
Fieldrollie Mower	15,685.00	0.00	0.00	15,685.00	-8,331.23	-1,564.24	0.00	-9,895.47	0.00
Trimax Silver 125 Mower	7,590.00	0.00	0.00	7,590.00	-8,933.76	-856.24	0.00	-7,590.00	0.00
Compressor	1,942.49	0.00	0.00	1,942.49	-1,982.49	0.00	0.00	-1,932.49	0.00
Caterpillar 825K Compactor	1,529,952.11	0.00	0.00	1,529,952.11	-1,157,845.07	-190,720.05	0.00	-1,348,565.12	0.00
John Deere XUV550 Gator	16,040.00	16,040.00	0.00	0.00	-9,624.07	-1,212.90	10,636.97	0.00	2,203.03
John Deere XUV550 Gator	16,040.00	16,040.00	0.00	0.00	-9,624.07	-1,212.90	10,636.97	0.00	2,203.03
Winstone Water Blast	1,800.00	0.00	0.00	1,800.00	-1,820.00	0.00	0.00	-1,800.00	0.00
Cleaning Saw	2,382.70	0.00	0.00	2,382.70	-2,382.70	0.00	0.00	-2,382.70	0.00
Poiana Ranger EV	22,978.77	0.00	0.00	22,978.77	0.00	-1,592.64	0.00	20,957.13	0.00
Poiana Ranger EV	22,978.77	0.00	0.00	22,978.77	0.00	-1,592.64	0.00	20,957.13	0.00
Pegasus EF Welder & Rotary Scraper	0.00	5,234.70	0.00	5,234.70	0.00	-708.52	0.00	-306.52	0.00
Workshop 250mm Hydraulic Ball Welder	0.00	8,990.00	0.00	8,990.00	0.00	-177.33	0.00	-177.33	0.00
Musquama Chainsaw	400.00	0.00	0.00	400.00	-850.00	0.00	0.00	-400.00	0.00
Honda BM2200 LRT Por	1,807.87	0.00	0.00	1,807.87	-1,697.87	0.00	0.00	-1,697.87	0.00
Telemetry, Leachate Pond	9,316.19	0.00	0.00	9,316.19	-8,458.25	-857.94	0.00	-9,316.19	0.00
Wrightchoppe Landcells, 1a	2,163.09	0.00	0.00	2,163.09	-1,802.70	-215.71	0.00	-2,015.41	0.00
Surveillance System	27,292.13	0.00	0.00	27,292.13	-6,820.86	-2,721.76	0.00	-9,842.82	0.00
Flood lights	3,547.37	0.00	0.00	3,547.37	-3,947.37	0.00	0.00	-3,947.37	0.00
Leachate Sprinklers, Piggy & Valves	19,558.90	0.00	0.00	19,558.90	-4,336.48	-1,267.87	0.00	-17,649.51	0.00
Lowara USV13 2.2KW Pump	3,950.00	0.00	0.00	3,950.00	-1,251.08	-393.94	0.00	-1,645.02	0.00
ABB Water Flow Transmitter	4,810.32	0.00	0.00	4,810.32	-3,947.00	-959.42	0.00	-4,006.42	0.00
boom UHF Handheld Radios & Charger	6,826.00	0.00	0.00	6,826.00	-2,481.08	-850.92	0.00	-3,335.00	0.00
Litter Fence (Netting & Materials)	4,794.80	0.00	0.00	4,794.80	-638.44	-229.06	0.00	-3,917.50	0.00
	60,184.24	32,000.00	0.00	2,113,518.27	-1,527,938.42	-228,324.13	21,673.94	-1,736.11	377,425.68
	2,085,414.03								4,401.00

Total Landfill Assets at Year-end

Investments

Forestry Block