

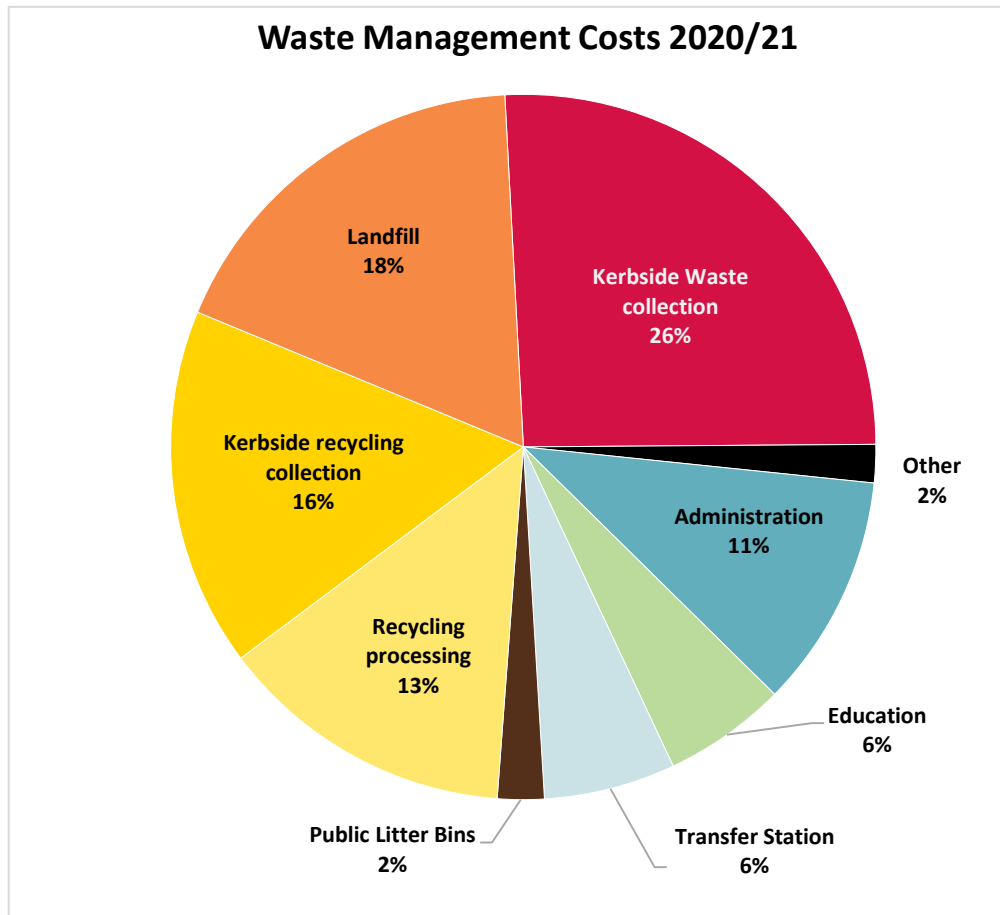


Waste Action Plan 2020-2030

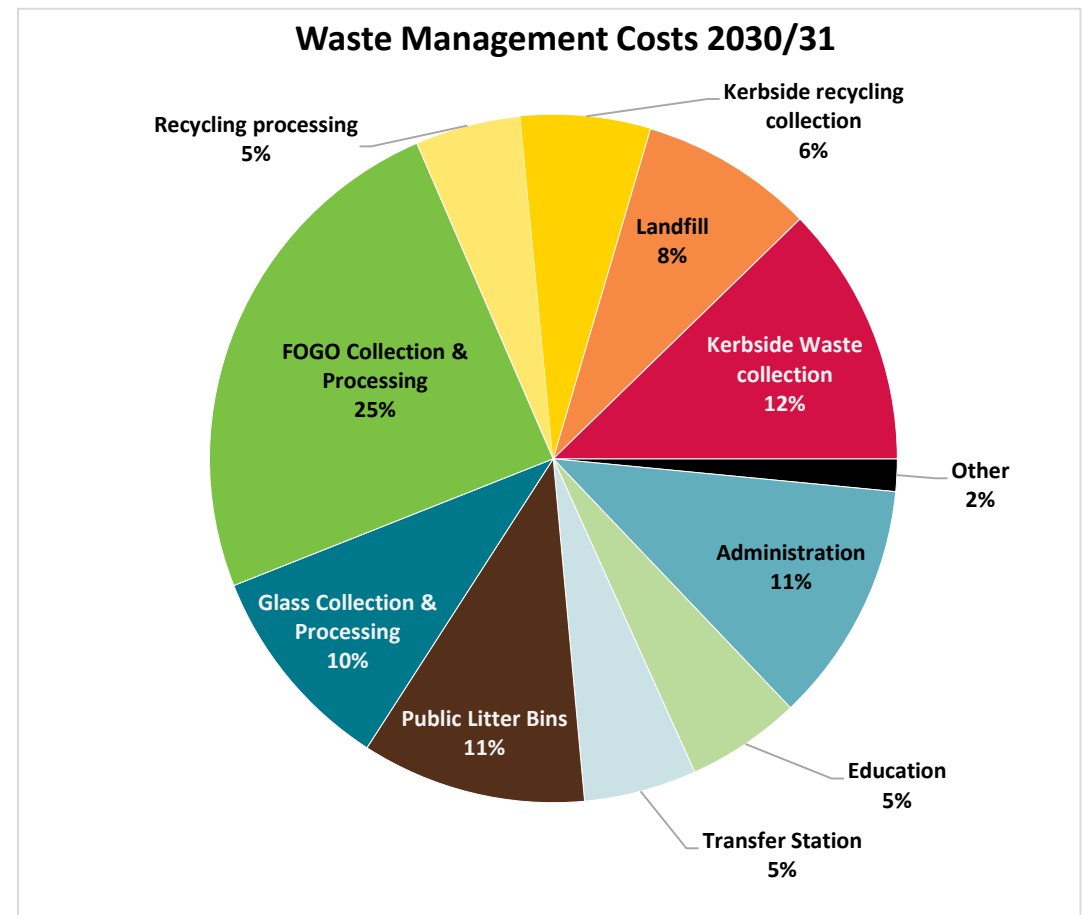
Waste Action Plan (WAP)

The Waste Action Plan (WAP) details the actions to be implemented over ten (10) years to achieve the Waste Management Strategy objectives. The WAP will be linked to Council's annual budget process and be updated every financial year. Current associated costs (Graph 1) alongside the estimated projected future costs to complete the Waste Management Strategy objectives and provide Council's waste management services (Graph 2).

Graph 1- 2020/2021 Current Associated Costs



Graph 2- 2030/2031 Expected Associated Costs



Abbreviations

CECS - Coordinator Environment and Community Safety

CSO - Community Safety Officer

GCWWRRG - Grampians Central West Waste Resource Recovery Group

OHS A- Occupational Health and Safety Advisor

Planning- Council Planning Department

SV - Sustainability Victoria

SWPO - Strategic Waste Project Officer

WEO - Waste Education Officer

WO - Waste Officer

The Waste Management Strategy four objectives (listed below) set the baseline for activities of the Action plan. The budget figures are the new waste initiatives services and are estimations due to the information at the point of time. These figures will be reviewed yearly as more information is obtained from the State government and contractors. Funding opportunities and contributions for new waste initiatives have not been taken into consideration. * Denotes allocated existing operational budget.

Objective 1 - Improve resource recovery

Align Council's waste services with new and future government policies especially the Recycling Victoria reform. Collaborate with relevant agencies, regional waste groups, Councils and private waste industry to improve resource recovery. Encourage recognition of waste as a valuable commodity, improve greater separation at the source and waste avoidance.

Objective 2 - Community-focused waste management systems

Review waste services provided to the community and consider community's preference for alternatives. Review and continually improve the effectiveness and efficiency of services provided to ensure they are equitable and economical.

Objective 3 - Adaptive infrastructure and operations

Support innovation in resource management and research opportunities to maximise development of best practices to improve the waste sector in Northern Grampian Shire.

Objective 4 - Sustainable Strategic Planning

Consistently research and design waste management services to ensure sustainable and environmental approach is considered and minimise risks to ensure future operations are viable long term.

Objective 1 - Improve resource recovery

Align Council's waste services with new and future government policies especially the Recycling Victoria reform. Collaborate with relevant agencies, regional waste groups, Councils and private waste industry to improve resource recovery. Encourage recognition of waste as a valuable commodity, improve greater separation at the source and waste avoidance.

Achieving Objective 1.1

1.1 Implement Victorian Recycling kerbside Reform¹¹

Implement changes to kerbside collection and recycling within the Victorian Recycling reform recommended timeframe to improve resource recovery. Introduce Glass collection points within the Shire by 2027, introduce kerbside Food Organic and Garden Organic (FOGO) by 2030 and assist in the implementation of the Container Deposit legislations (CDL) by 2023.

NO.	ACTIVITY	MEASURE	TARGET	TIME FRAME	BUDGET ESTIMATE	ROLE
1.1 a)	Participate and assist in implementation of the Container Deposit scheme (CDS)- unknown design as of (March 2021). Dependent on the Victorian Government's implementation scheme.	Weight of eligible CDL waste		Completed by 2023	>\$200,000	SWPO WO WEO
1.1 b)	Investigate options for most convenient and accessible Glass collection points throughout the Shire. Collect data on volumes and implement Glass Collection Point plan.	Weight (per year)	500 tonnes	Completed by 2027	>\$100,000 implement	SWPO WO WEO
1.1 c)	Glass contract for collection and transportation	Contract	1	Completed by 2025	>\$200,000 ongoing	SWPO WO
1.1 d)	Introduction and implementation of kerbside Food Organic and Garden Organic (FOGO) in compulsory zones with possible extension to non- compulsory areas. Develop implementation plan.	Weight (per year)	1500 tonnes	Completed by 2030	>\$1.2m implement	SWPO WO WEO

1.1 e)	FOGO contract for kerbside collection and transportation	Contract	1	Completed by 2027	>\$800,000 ongoing	SWPO WO
--------	--	----------	---	-------------------	--------------------	---------

Achieving Objective 1.2

1.2 Increase reuse of materials through Transfer stations and community workshops.

Increase reuse of materials collected through Transfer stations to develop more alternatives to further separate waste streams and develop stronger methods to reduce landfill waste. Develop community workshops to upcycle waste products and offer resale options and educate the community on the importance of reducing waste.

NO.	ACTIVITY	MEASURE	TARGET	TIME FRAME	BUDGET ESTIMATE	ROLE
1.2 a)	Conduct review of Transfer station design for potential development of a streamline service delivery model to improve and provide greater opportunities for increase in reuse and diversion from landfill.	Operators and community feedback	Positive feedback	Ongoing	Operational	SWPO WO
1.2 b)	Investigate opportunity for a resale/reuse area at the St Arnaud Transfer Station	Products sold	Reduction in landfill	2022	Operational	SWPO WO
1.2 c)	Investigate Shared Service opportunities for aggregation of stored materials to reduce transportation costs.	General Waste Volumes	20% reduction in general waste	2022	Operational	SWPO WO
1.2 d)	Work with Business Transformation to investigate data collection and potential electronic payments options for customers	Report	1	2022	Operational	SWPO

Achieving Objective 1.3

1.3 Develop stronger waste reduction practices at Council facilities

Continue to monitor and implement changes to instill stronger recycling practices via improving separation of waste at all Council facilities. Encourage recycling and sustainable procurement within Council.

NO.	ACTIVITY	MEASURE	TARGET	TIME FRAME	BUDGET	ROLE
1.3 a)	Investigate separation/recycling options are available at all facilities.	Audit	1	2023	Operational	SWPO WEO
1.3 b)	Partner with Council's Procurement department to explore recyclable options to create a more sustainable workplace.	Meetings	2	2023	Operational	SWPO WO
1.3 c)	Monitor Council offices and depots - collect baseline data. Seek to improve recycling practices.	Data	10% reduction in general waste	Ongoing	Operational	SWPO WO WEO

Objective 2 - Community-focused waste management systems

Review waste services provided to the community and consider community's preference for alternatives. Review and continually improve the effectiveness and efficiency of services provided to ensure they are equitable and economical.

Achieving Objective 2.1

2.1 Establish Education Campaign

Establish an education and communication platform to provide information on changes to recycling, waste initiatives and alternatives for waste streams. Deliver school education and other engagement strategies on waste reduction initiatives and encourage participation of recycling. Educate Community on illegal littering and how to report.

NO.	ACTIVITY	MEASURE	TARGET	TIME FRAME	BUDGET	ROLE
2.1 a)	Update community on recycling, waste initiatives and alternatives by means newsletter and social media posts.	4 e-newsletter a year	1	2020-Ongoing	Education	SWPO WO WEO
2.1 b)	Develop a school education campaign, delivering information on a range of waste reduction and initiatives such as composting, recycling, avoiding waste and buying recyclable sustainable products.	No. of schools	2	2022-Ongoing	Education	SWPO WO WEO
2.1 c)	Educate the community on illegal littering/dumping on Council land and how it affects our environment, communicate through monthly newsletter and weekly social media posts and enforcement by Local Laws.	No. posts per year	2	Ongoing	Education	CSO SWPO WO WEO
2.1 d)	Review website content and improve the presentation of information available. Simplify linkages and coherence for users.	Website data	4	Quarterly	Education	SWPO WO

2.1 e)	Engage a Waste Education Officer (part-time) role to ensure effective and targeted communication with the community.	Staff employed	1	Completed by 2023	>\$45000 ongoing	SWPO CECS
--------	--	----------------	---	-------------------	------------------	--------------

Achieving Objective 2.2

2.2 Develop strong relationships with Community event holders on waste management

Collaboration with community event organisers and Council's Engagement Team to develop stronger recycling practices at all Northern Grampian Events to maximise resource recovery and increase recycling practices. Provide information on waste reductions and recycling via markets and other events.

NO.	ACTIVITY	MEASURE	TARGET	TIME FRAME	BUDGET	ROLE
2.2 a)	Develop and provide a checklist for event organisers to consider ways to reduce waste, increase recycling and procure recyclable products for events.	Received completed checklists	100% (applicable registered events)	As needed	Operational	SWPO
2.2 b)	Develop and provide information on recyclable/ compostable products to encourage sustainable procurement.	No. event organisers received information	100% (applicable registered events)	As needed	Operational	SWPO
2.2 c)	Promote Community recycling trailers for all events.	No. events requesting trailers	100% (applicable registered events)	As needed	Operational	SWP WO
2.2 d)	Attend events and promote and advertise waste recycling initiatives and provide general waste information.	Events attended yearly	2	Each year	Operational	SWP WO WEO
2.3 e)	Investigate options for introduction of FOGO bins at events to encourage recycling of food waste	Report	1	Completed by 2028	Operational	SWPO

Achieving Objective 2.3

2.3 Assist with businesses to improve waste reduction and recycling performance

In conjunction with Council's Business Support Team investigate development of collaborative partnerships with businesses to improve waste practices and increase recyclables packaging options to maximise greatest benefit to reduce waste, costs and inspire sustainable practices within the Shire.

NO.	ACTIVITY	MEASURE	TARGET	TIME FRAME	BUDGET	ROLE
2.3 a)	Develop and provide brochures on alternative packaging which can be recycled or composted, new technology and local contractors to assist in waste management.	No. of outreaching businesses	100%	2023-ongoing	Operational	SWPO
2.3 b)	Conduct business waste and packaging audits to assist in reducing waste, seek alternative packaging to increase recycling, and give recommendations on ways to reduce costs in waste management.	Business participation	2 businesses a year	2023-ongoing	Operational	SWP WO WEO

Achieving Objective 2.4

2.4 Monitor waste services to ensure flexibility and alternatives options available to meet the community needs

Utilise customer enquiries and community feedback in decision making processes and source alternative options and initiatives to improve waste services based on feasibility and benefit to the community. Provide respectful, prompt responsive customer service to all waste enquiries. Maintain options for exemptions and down sizing bins due to mobility issues, consider other alternatives to maximise benefit to the community. Continually monitor Contractor kerbside collection performance to ensure services are performed in a timely and efficient manner. Conduct Kerbside waste audits when needed.

NO.	ACTIVITY	MEASURE	TARGET	TIME FRAME	BUDGET	ROLE
2.4 a)	Actively listen to the community's ideas and investigate alternative practices/initiatives to deliver best services for the community.	Customer responses (Feedback)	5 customers per year	Daily	Operational	SWP WO WEO
2.4 b)	Provide efficient and timely response to customer enquiries.	No. enquiries	100%	Daily	Operational	WO
2.4 c)	Continue to provide options such as business exemptions and down sizing bins for mobility issues. Continually investigate other options to improve customer satisfaction such as bin sizes, scheduling and other.	No. enquiries	100%	Daily	Operational	WO
2.4 d)	Monitor contractor performance (ensure best service for the community)	Customer feedback	5 customers per year	Daily	Operational	WO
2.4 e)	Undertake kerbside waste audits to ascertain volumes of waste streams.	Data	4 over 10 years	As needed	> \$60,000	SWP WO

Objective 3 - Adaptive infrastructure and operations

Support innovation in resource management and research opportunities to maximise development of best practices to improve the waste sector in Northern Grampian Shire.

Achieving Objective 3.1

3.1 Invest in research to source improvements via new waste technology and infrastructure

Investigate opportunities of new technology and infrastructure design and invest in options which are best suited to Northern Grampians Shire needs to improve waste management. Work in conjunction with other government agencies to attract and stimulate waste industry to our region.

NO.	ACTIVITY	MEASURE	TARGET	TIME FRAME	BUDGET	ROLE
3.1 a)	Research new technology and innovations such as Waste to energy, Biochar, Biodigesters, composting options and other innovations to support waste management to suit Northern Grampians Shire Council.	Report	3	2021 to 2024	\$600,000	SWPO WO GCWWRG SV
3.1 b)	Proactively engage with the Planning department and relevant agencies through workshops, meetings and forums and encourage and support new waste industries into the Northern Grampians Shire and regional area.	Meetings	5 meetings a year	Ongoing	Operational	CECS SWPO WO WEO GCWWRG Planning SV

Achieving Objective 3.2

3.2 Maintain transfer stations and other waste infrastructure to a high level

Maintain transfer stations and waste assets to industry best practice standards and ensure compliance with legislative requirements. Continue to monitor and maintain closed landfill sites as needed.

NO.	ACTIVITY	MEASURE	TARGET	TIME FRAME	BUDGET	ROLE
3.2 a)	Conduct audits at Transfer Stations to ensure compliance to safety industry standards & EPA legislation for storage of waste and management. Yearly safety audit to verify all safety equipment is compliant.	Audit	Once a year	Yearly	Operational	SWPO WO OHS A
3.2 b)	Develop a report and replacement plans for bin assets.	Data/Merits	Twice in 10 years	Yearly	>\$1,000,000	SWPO WO
3.2 c)	Continue to monitor and maintain closed landfill sites to EPA standards and regulations.	Closed Landfill checklist	Every 3 months	Ongoing	Operational	WO
3.2 d)	Initiate maintenance promptly on any faulty public place bins to ensure adequate assets for public use.	Data/Merits	Daily	Ongoing	Operational	WO

Achieving Objective 3.3

3.3 Increase recycling volumes by implementing Public Place Recycling

Investigation introducing public place commingled recycling bins in high use areas to encourage recycling, expand waste options and increase separation of waste at source.

NO.	ACTIVITY	MEASURE	TARGET	TIME FRAME	BUDGET	ROLE
3.3 a)	Undertake waste bin audit to ascertain volumes, concentrate on seasonal times- Halls Gap.	Data	1	2020	Operational	SWPO WO
3.3 b)	Introduce public place recycling at Halls Gap - high tourist area	Volumes of recyclables	1	2021	\$60,000	SWPO WO
3.3 c)	Develop implementation plan for the introduction of public place recycling for other high use areas.	Plan	1	2022	\$240,000	SWPO WO
3.3 d)	Amendment to recycling collection and disposal budget to accommodate public place recycling	Budget amendment	1	2021	Operational	CECS

Achieving Objective 3.4

3.4 Investigate and support waste management growth in the agricultural sector

Collaborate and communicate with the agricultural industry to support and advocate for new waste management industries within the sector. Potential for growth with availability of land and interest, concentrating on Food Organic and Garden Organics.

NO.	ACTIVITY	MEASURE	TARGET	TIME FRAME	BUDGET	ROLE
3.4 a)	Work and collaborate with the Engagement team to design communication methods to introduce ideas for waste management to the agricultural sector.	Meetings	2	Every year	Operational	SWPO WEO
3.4 b)	Explore market demand in conjunction with GCWWRRG for potential local agriculture for "closed loop" and "close to source" organic processors.	Meetings	2	Every year	Operational	SWPO WO
3.4c)	Undertake feasibility study of in-vessel/ windrow composting facility set up and operation.	Report	1	2021	>\$5,000	SWPO Consultant

Objective 4 - Sustainable Strategic Planning

Continually research and design waste management services to ensure sustainable and environmental approach is considered and minimise risks to ensure future operations are viable long term.

Achieving Objective 4.1

4.1 Collaborate with Waste Resource Recovery groups and other relevant agencies

Proactively engage and attend meetings and forums to update knowledge of best practices and relevant changes to legislation to ensure Council continues best waste management practices. Collaborate with the State government, GCWWRRG and other agencies to research and develop local and regional markets and infrastructure options for waste management.

NO.	ACTIVITY	MEASURE	TARGET	TIME FRAME	BUDGET	ROLE
4.1 a)	Attend Technical Advisors Reference Group (TARG) and other relevant state and regional agencies meetings, forums and workshops to ensure up to date knowledge of the waste industry.	Meetings	4 a year	Ongoing	Operational	SWPO WO
4.1 b)	Collaborate with Sustainability Victoria in developing education and implementation of Victoria Recycling reform.	Meetings	2 a year	Ongoing	Operational	SWPO WO WEO

Achieving Objective 4.2

4.2 Source funding to facilitate sustainable planning						
Continually explore options for funding from various agencies to retain and develop sustainable waste planning for future needs that are regionally and locally based.						

NO.	ACTIVITY	MEASURE	TARGET	TIME FRAME	BUDGET	ROLE
4.2 a)	Develop project proposals from feasibility studies, waste audit and community survey to be project ready for available grants.	Reports	2	2021-2025	Operational	SWPO
4.2 b)	Proactively seek funding opportunities from a range of external sources.	Applications	1 a year	As needed	Operational	SWPO

Achieving Objective 4.3

4.3 Capture and review waste data and practices in recommended time periods

Consistently capture and analyse data to ensure objectives to improve waste resource recovery is efficient. Develop contingency plans to alter practices and services to reach outlined targets and customer's expectations. Develop a reporting system and present yearly to the Community on Council's Waste Goals achievements. Introduce the new waste data collection and reporting system required by Recycling Victoria.

NO.	ACTIVITY	MEASURE	TARGET	TIME FRAME	BUDGET	ROLE
4.3 a)	Analysis merit data to ascertain information on bin asset, customer satisfaction and report.	Report	2	Ongoing	Operational	WO
4.3 b)	Analysis volume and weights of transfer stations and action approximate measures to minimise.	Report	4	Quarterly	Operational	WO
4.3 c)	Ensure staff are adequately trained and informed to provide best services within the Waste department.	Training	1	Ongoing	Operational	CECS SWPO WO
4.3 d)	Review waste procedures to maximise efficiency in delivering services and reports for relevant agencies.	Promapp	5 a year	Ongoing	Operational	SWPO WO CECS
4.3 e)	Complete Local Government Performance Reporting Framework (LGPRF).	Report	2	Twice a year	Operational	WO
4.3 f)	Review annually the Waste Rate levy	Report	1	Yearly	Operational	CECS
4.3 g)	Participate in collaborative procurement contract with regional councils - establish new kerbside contract	Meetings	4	Ongoing	Operational	CECS SWPO WO

Achieving Objective 4.4

4.4 Develop and implement Waste Action Plan

Develop and regularly update a detailed Waste Action Plan to ensure objectives from this plan are met and actions implemented alongside Council budget.

NO.	ACTIVITY	MEASURE	TARGET	TIME FRAME	BUDGET	ROLE
4.4 a)	Prepare a report on the progress of the Waste Management Strategy to confirm objectives are met.	Report	5	Bi-annually	Operational	SWPO WO
4.4 b)	Develop an Action Plan aligning with Waste Management Strategy and seek approval.	Completed	Adopted	September 2020	Operational	CECS SWPO WO
4.4 c)	Review the Waste Management Strategy every two years to ensure objectives are met.	Report	1	Bi-annually	Operational	SWPO WO
4.4 d)	Review the Waste Action Plan budget every financial year.	Report	1	Yearly	Operational	SWPO WO

Timeline

[illegible]

Budget Timeline

Waste Action Plan Initiatives Estimated Budget 2020-2030 (Note: Funding contributions not considered)			LEGEND	OPERATIONAL COSTS		CAPITAL COSTS							
			2020/2021	2021/2022	2022/2023	2023/2024	2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	2029/2030	2030/2031
Objective 1 - Improve resource recovery													
Align Council's waste services with government policy especially the Recycling Victoria reform and collaborate with relevant agencies, regional waste groups, Councils and private waste industry to													
OBJECTIVES	NO.	ACTIVITIES											
1.1 Implement Victorian Recycling kerbside Reform	1.1 a)	Successfully assist with the introduction of the Container Deposit legislation (CDL)- unknown design as of (August 2020). Dependent on the Victorian Government's implementation scheme.			\$200,000								
	1.1 b)	Investigate options for Glass collection points throughout the Shire. Collect data on volumes and most convenient collection sites. Implement Glass Collection Point plan.				\$100,000							
	1.1 c)	Glass contract for collection and transportation				\$205,000	\$210,125	\$215,378	\$220,763	\$226,282	\$231,939	\$237,737	
	1.1 d)	Introduction and implementation of kerbside Food Organic and Garden Organic (FOGO) in compulsory zones. Develop implementation plan.					\$700,000	\$300,000					
	1.1 e)	FOGO contract for kerbside collection and transportation						\$800,000	\$820,000	\$840,500	\$861,513	\$883,050	
Objective 2 - Community-focused waste management systems													
Review waste services provided to the community and consider community's preference for alternatives. Review and continually improve the effectiveness and efficiency of services provided to													
2.1 Establish Education Campaign	2.1 e)	Engage a Waste Education Officer (part-time) role to ensure effective and targeted communication with the community.			\$41,037	\$41,858	\$42,695	\$43,549	\$44,420	\$45,308	\$46,214	\$47,139	\$48,081
2.4 Monitor waste services to ensure flexibility and alternatives options available to meet the community needs	2.4 e)	Undertake kerbside waste audits to ascertain volumes of waste streams.				\$15,000			\$15,000		\$15,000		\$15,000
Objective 3 - Adaptive infrastructure and operations													
Support innovation in resource management and research opportunities to maximise development of best practices to improve the waste sector in Northern Grampian Shire.													
3.1 Invest in research to source improvements via new waste technology and infrastructure	3.1 a)	Research new technology and innovations such as Waste to energy, Biochar, Biodigestors, composting options, smart bins and other innovations to support waste management to suit Northern Grampians Shire Council. (consultant)		\$200,000	\$200,000	\$200,000							
3.2 Maintain transfer stations and other waste infrastructure to a high level	3.2 b)	Develop a report and replacement plans for bin assets.			\$500,000					\$565,704			
3.3 Increase recycling volumes by implementing Public Place Recycling	3.3 b)	Introduce public place recycling at Halls Gap - high tourist area	\$300,000										
	3.3 c)	Develop implementation plan for the introduction of public place recycling for other high use areas.											
3.4 Investigate and support waste management growth in the agricultural sector	3.4 c)	Undertake feasibility study of in-vessel/ windrow composting facility set up and operation.		\$5,000									
ADDITIONAL OPERATIONAL EXPENDITURE					\$41,037	\$41,858	\$247,695	\$253,674	\$1,059,798	\$1,086,071	\$1,112,996	\$1,140,590	\$1,168,869
CAPITAL WORKS			\$300,000	\$205,000	\$900,000	\$215,000	\$100,000		\$315,000	\$565,704	\$15,000		\$15,000
EDUCATION			\$102,000	\$104,550	\$107,164	\$109,843	\$112,589	\$115,404	\$118,289	\$121,246	\$124,277	\$127,384	\$130,569
CURRENT OPERATIONAL BUDGET			\$ 2,188,978	\$ 2,243,728	\$ 2,299,801	\$ 2,357,326	\$ 2,416,232	\$ 2,476,648	\$ 2,538,605	\$ 2,602,033	\$ 2,667,064	\$ 2,733,731	\$ 2,802,067
TOTAL EXPENDITURE			\$2,590,978	\$2,553,278	\$3,348,002	\$2,724,027	\$2,876,516	\$2,845,726	\$4,031,691	\$4,375,053	\$3,919,337	\$4,001,704	\$4,116,504