5.7 Years 7 (2011/2012) and Year 8 (2012/2013)

The following key actions are recommended for implementation in Year 7 of the strategy:

• Closure of Majors Creek Landfill and construction of a transfer station to take waste to Braidwood and then Bungendore transfer station.

The following key actions are recommended for implementation in Year 8 of the strategy:

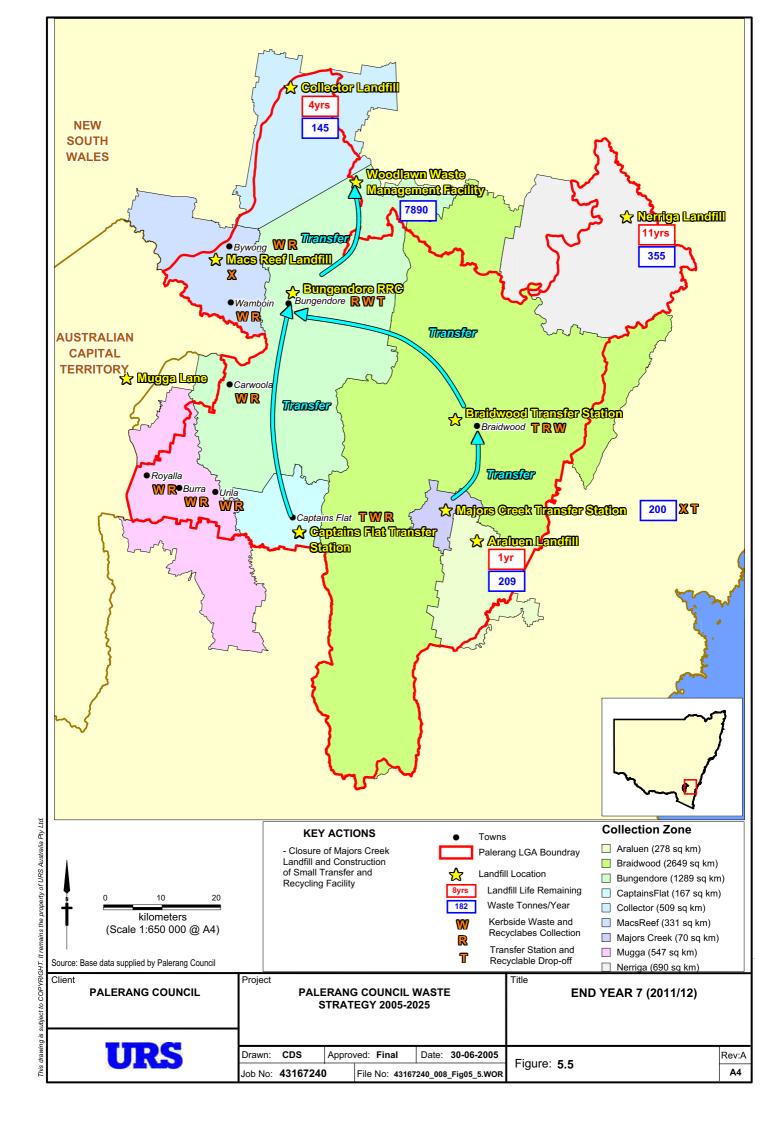
• Closure of Araluen landfill and construction of transfer station. Waste from Araluen will also be collected and sent to Bundgendore via Braidwood and Majors Creek.

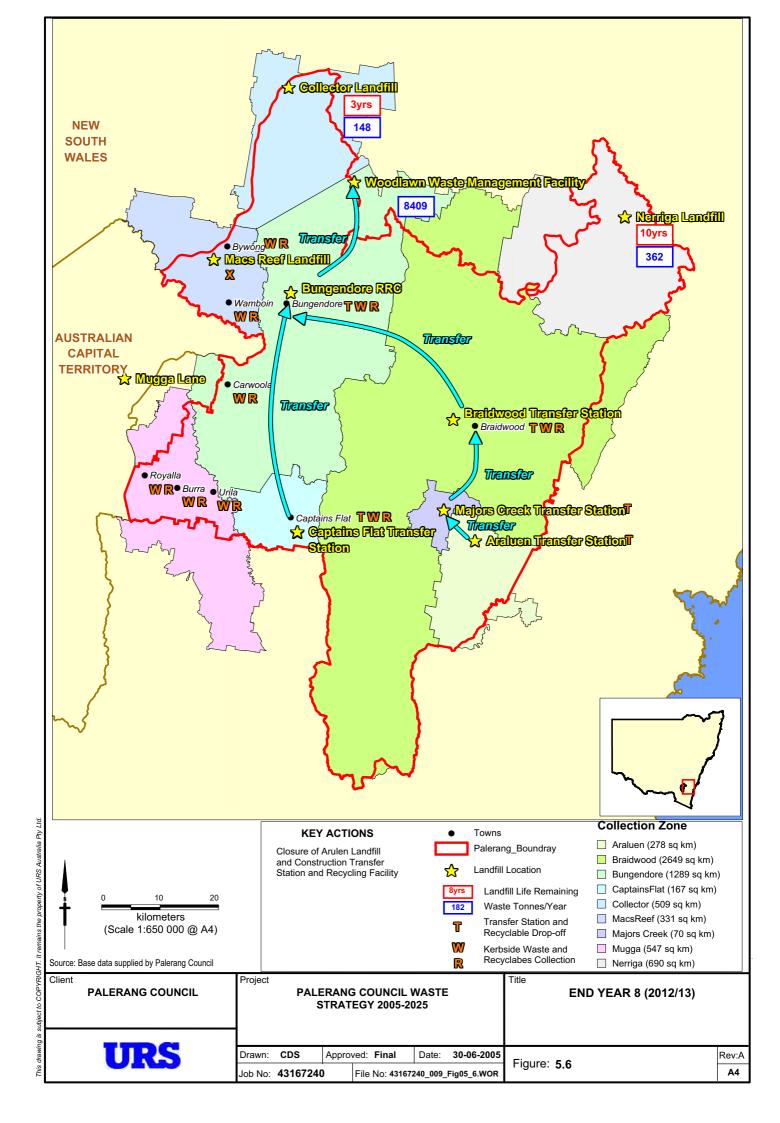
The cost associated with waste management operation during these years is given in Table 5-6

Table 5-6 Years 7 to 8 Cost Summary

Summary of Capital and Operating costs	Year 7	Year 8
Item		
New Capital Costs	\$324,000	\$420,000
New Operating Costs	\$147,367	\$150,175
Existing Costs		
Landfill Operating Cost	\$100,239	\$54,484
Waste Transfer & Disposal Costs	\$1,382,709	\$1,456,439
Collection of Recyclables from Landfills	\$100,563	\$103,077
Kerbside Waste Collection Cost	\$404,374	\$428,389
Kerbside Recycling Collection Cost	\$575,037	\$614,937
Annual Loan Repayment (Capital Cost)	\$512,628	\$551,703
Total Annual Cost (Including loan repayment)	\$3,222,917	\$3,359,204

The waste management situation at the end of Year 7 and Year 8 are illustrated in Figures 5.5 and 5.6 respectively.





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5.8 Years 9 (2013/2014) through to Year 16 (2020/2021)

During these years there is no significant new capital works planned in the waste strategy except in year 12 with closure of Collector landfill. The cost associated with the ongoing waste management operations during these years is given in Table 5-7.

Table 5-7 Years 9 to 16 Cost Summary

Summary of Capital and Operating costs	Year 9	Year 10	Year 11	Year 12
Item				
New Capital Costs	0\$	0\$	0\$	\$708,000
New Operating Costs	\$118,869	\$121,840	\$124,886	\$136,750
Existing Costs				
Landfill Operating Cost	\$63,205	\$64,785	\$66,405	\$68,065
Waste Transfer & Disposal Costs	\$1,554,155	\$1,593,009	\$1,632,835	\$1,673,655
Collection of Recyclables from Landfills	\$105,654	\$108,295	\$111,003	\$113,778
Kerbside Waste Collection Cost	\$453,004	\$478,234	\$504,095	\$516,697
Kerbside Recycling Collection Cost	\$655,834	\$687,513	\$719,984	\$737,984
Annual Loan Repayment (Capital Cost)	\$551,703	\$551,703	\$551,703	\$617,572
Total Annual Cost (Including Ioan repayment)	\$3,502,424	\$3,605,380	\$3,710,910	\$3,864,502



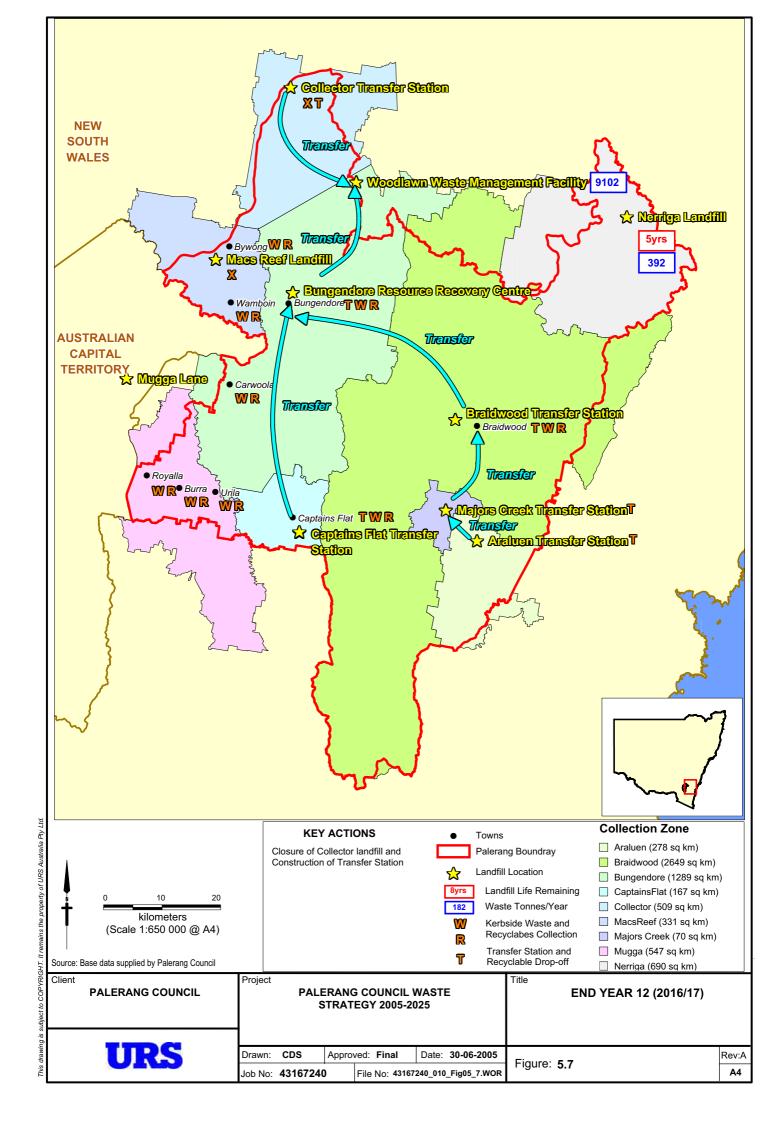
Council Wide Waste Strategy

Table 5-8 Years 9 to 16 Cost Summary Contd

Summary of Capital and Operating costs	Year 13	Year 14	Year 15	Year 16
Item				
New Capital Costs	0\$	0\$	0\$	0\$
New Operating Costs	\$131,209	\$134,489	\$137,851	\$141,297
Existing Costs				
Landfill Operating Cost	\$69,767	\$71,511	\$73,299	\$75,131
Waste Transfer & Disposal Costs	\$1,715,497	\$1,747,135	\$1,790,814	\$1,835,584
Collection of Recyclables from Landfills	\$116,622	\$119,538	\$122,526	\$125,589
Kerbside Waste Collection Cost	\$529,615	\$542,855	\$556,426	\$570,337
Kerbside Recycling Collection Cost	\$756,433	\$775,344	\$794,728	\$814,596
Annual Loan Repayment (Capital Cost)	\$617,572	\$617,572	\$617,572	\$617,572
Total Annual Cost (Including loan repayment)	\$3,936,715	\$4,008,445	\$4,093,216	\$4,180,107

The waste management situation at the end of Year 12 is illustrated in Figures 5. 7





5.9 Year 17 (2021/2022)

The following key actions are recommended for implementation in Year 17 of the strategy:

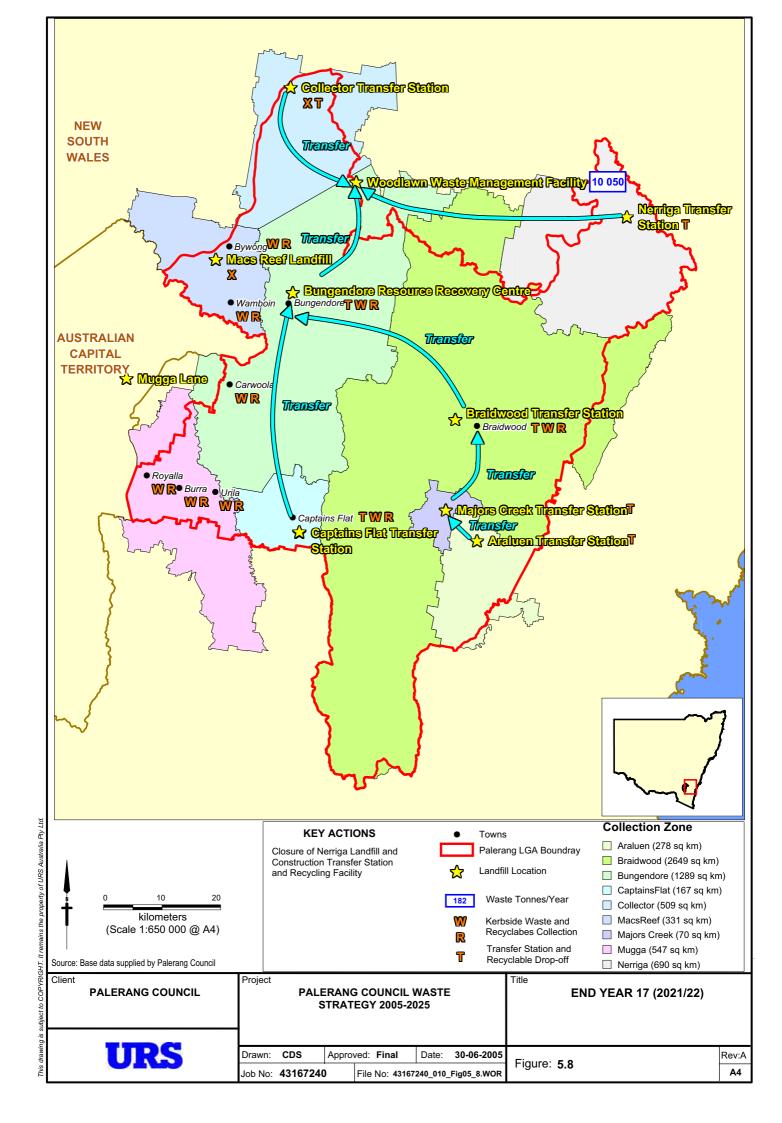
• Closure of Nerriga Landfill and construction of a transfer station to take waste to a major landfill outside Council area, such as Collex Woodlawn Landfill.

The costs associated with implementing Year 17 of the strategy are given in Table 5-9 (detailed costs are provided in Appendix B).

Table 5-9 Year 17 Cost Summary

Summary of Capital and Operating costs	Year 17
Item	
New Capital Costs	\$252,000
New Operating Costs	\$193,006
Existing Costs	
Landfill Operating Cost	\$46,874
Waste Transfer & Disposal Costs	\$1,881,474
Collection of Recyclables from Landfills	\$128,729
Kerbside Waste Collection Cost	\$584,596
Kerbside Recycling Collection Cost	\$834,961
Annual Loan Repayment (Capital Cost)	\$641,017
Total Annual Cost (Including loan repayment)	\$4,310,657

The waste management situation at the end of Year 17 is illustrated in Figure 5.8.



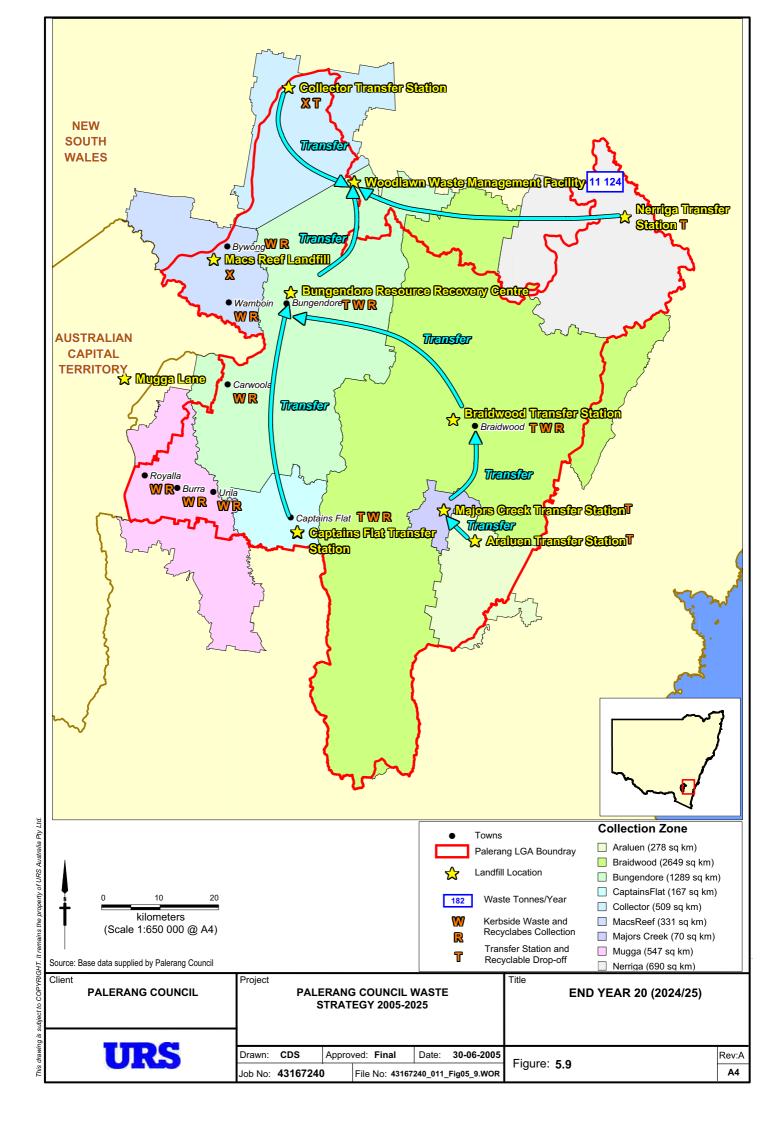
5.10 Year 18 (2022/2023) through to Year 20 (2024/2025)

During these years there is no significant new capital works planned in the waste strategy. The cost associated with the ongoing waste management operations during these years is given in Table 5-10. All residual waste generated in the Council area will be going to a major landfill outside Council area by the year 2022.

Table 5-10 Years 18 to 20 Cost Summary

Summary of Capital and Operating costs	Year 18	Year 19	Year 20
Item			
New Capital Costs	\$0	\$0	\$0
New Operating Costs	\$148,451	\$152,162	\$155,966
Existing Costs			
Landfill Operating Cost	\$58,184	\$59,638	\$61,129
Waste Transfer & Disposal Costs	\$1,967,753	\$2,016,947	\$2,067,371
Collection of Recyclables from Landfills	\$131,947	\$135,246	\$138,627
Kerbside Waste Collection Cost	\$599,210	\$614,191	\$629,546
Kerbside Recycling Collection Cost	\$855,835	\$877,231	\$899,162
Annual Loan Repayment (Capital Cost)	\$641,017	\$641,017	\$641,017
Total Annual Cost (Including loan repayment)	\$4,402,398	\$4,496,432	\$4,592,817

The waste management situation at the end of Year 20 (2025) is illustrated in Figure 5.9.



5.11 Summary of Costing

5.11.1 New Capital and Operating Costs

Provided in Figure 5.9 is a summary of the new capital and operating costs incurred over the 20 year period of the waste strategy. As expected the major capital works will be carried out in the first five years of the strategy due to the current condition of the landfills and the need to close and rehabilitate several within the first five years.

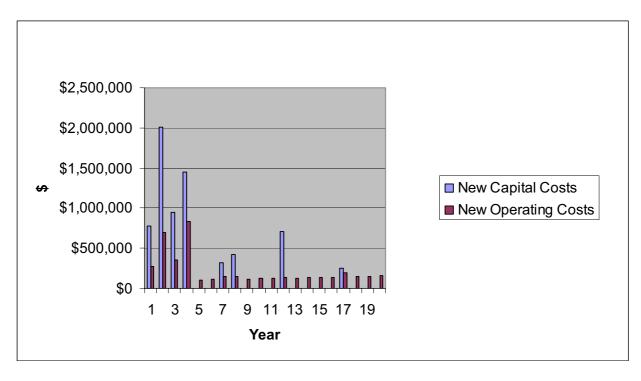


Figure 5-9: New Capital and Operating Costs

5.11.2 Operating costs

The waste management operating costs for Palerang Council over the 20 year period of the waste strategy are illustrated in Figure 5.10. As expected, it can be seen that as the landfills are closed the landfill operating costs significantly reduce, however the waste transfer and disposal costs increase, in particular in Year 4, when waste will be taken to Woodlawn or another major landfill located outside the Council areas such as Mugga Lane, ACT. Kerbside waste and recyclable collection costs increase sharply in year 1 and 2, with the introduction of services in Bungendore and Captains Flat (kerbside recycling) and eastern rural residential areas (domestic and kerbside waste collection services.

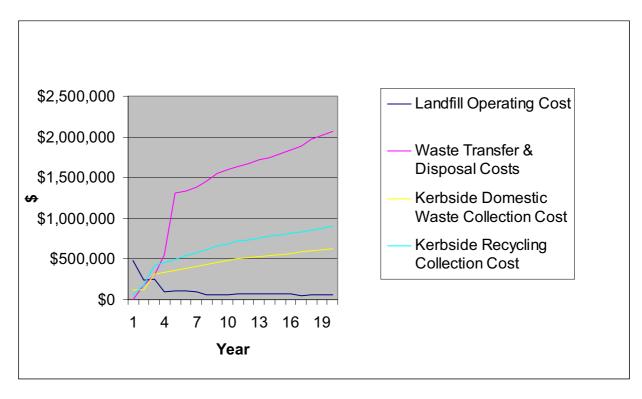


Figure 5-10: Total Operating Costs