

ATTACHMENT 1 – COMPARATIVE QUALITATIVE ASSESSMENT OF AWT SCENARIOS

Scenario	Capital cost (\$M)	Gate fee (\$ per tonne)	Percentage of material diverted from landfill (per cent)	Residential behaviour change	Technology risk	Beneficial outputs	Recovered product resource value	Recovered product market demand
1. 2 bin landfill		\$100	Nil	No change	Low	Energy from landfill gas		
2. 2 bin mixed waste compost	\$40–50	\$160–180	50–55	No change	Low	Low quality compost suitable for mine/quarry rehabilitation Recyclables (plastic, paper, metal, aluminium)	Low	Low
3. 2 bin mixed waste thermal treatment	\$90–120	\$200–220	80–85	No change	High	Electricity Heat/steam (subject to plan configuration) Ferrous metals	High	High
4. 3 bin household separated organics compost	\$15–30	\$130–150	30–35	Significant change	Low	High quality compost that meets Australian Standard 4544	High	High
5. 3 bin household separated organics compost + mixed waste compost	\$60-70	\$180-200	60–65	Significant change	Low	High quality compost (AS4454) from 3 rd bin Specific use compost (low quality) from mixed residual bin Ferrous metals (low quality) Non-ferrous metals (low quality) Mixed plastics (low quality)	High/low (2 resource streams)	High/low
6. 2 bin mixed waste compost + energy from waste	\$150-180	Further modelling required	80-85	No change	High	Electricity Heat/steam (subject to plan configuration) Specific use compost (low quality) from mixed residual bin Ferrous metals (low quality) Non-ferrous metals (low quality) Mixed plastics (low quality)	Low/high (2 resource streams)	Low/high