

10.5 Quantitative Analysis Outputs

A 20-year NPV calculation was used to take into account the time value of money. For each scenario, tables outlining the financial costs and benefits have been included in Appendix B. The table below provides a summary of the quantitative analysis undertaken. The values in the table account for an average, between the revenue estimates and the low and high cost estimates noted in the sections above. Appendix B includes a detailed breakdown of each Project Option's low and high project cash flows and NPV.

Table 24: Summary of Quantitative Cost/Benefit Analysis over 20 Years

	Project Option 1	Project Option 2	Project Option 3	Project Option 4	Project Option 5
	Status Quo	Wet AD	Dry AD with In-Vessel Composting	In-Vessel Composting	Merchant Capacity
Revenues	-	5,340,525	5,340,525	5,340,525	-
Total O&M Costs including HST	(105,879,895)	(99,560,815)	(63,129,711)	(71,020,925)	(114,247,165)
Total Lifecycle Costs including HST	-	(7,188,917)	(7,478,949)	(6,428,839)	-
Total Annual Capital Costs including HST	-	(30,062,988)	(35,430,734)	(31,107,695)	-
Project Net Costs	(105,879,895)	(131,472,194)	(100,698,869)	(103,216,934)	(114,247,165)
Terminal Value	-	11,475,000	13,500,000	11,880,000	-
Development charges offset	-	6,647,182	7,834,036	6,878,175	-
20-year Project Cash flows including TV + DCs	(105,879,895)	(113,350,013)	(79,364,833)	(84,458,759)	(114,247,165)
20-year NPV Of Project Costs Including TV + DCs	(58,234,802)	(71,943,265)	(54,634,691)	(56,105,620)	(62,836,868)