Table 1: Summary of Scenarios 1-5. Outcomes of the modelling shows that the more trees are planted earlier, the quicker the canopy cover is achieved. Front-loading planting requires initially a higher upfront expense but overall less budget and fewer trees over the 30 year planting horizon (2025-2055). Costing excludes future CPI indexing, land acquisition or repurposing, or the administrative and staffing costs that would be required to deliver and manage a program at this scale.

Scenario	Description	2055 Total Canopy Cover[1]	Canopy description 2055	Planting Profile	Total Trees Planted	Total Cost[2] (Planting + Maintenance)	Year 1 Cost[3] (Planting + Maintenance)	Key Benefits	Key Challenges
Scenario 1 Minimum Target	Doubling current planting approach	18.6%	Modest increases (varies by township)	Even, steady planting to 2055	17,730	$23.94M	$384K	Lowest annual resourcing demand	Least canopy improvement, highest long-term maintenance and total costs
Scenario 2 Targeted Equity[4]	Even canopy distribution focus	19.3%	~20%+ (varies)	Steady planting to 2055	19,915	$26.89M	$1.40M	Addresses township canopy disparity	Higher total cost, slower delivery
Scenario 3 Front-loaded – 20% Reduction	Equitable canopy distribution	19.6%	~25%+	High, then 20% annual reduction, ends ~2050	15,506	$20.93M	$2.36M	Earlier canopy benefits, significant savings	Higher upfront costs, delivery pressure in early years
Scenario 4 30% Council canopy by 2050	Ambitious canopy target	20.0%	30% cover on Council land	High, then 20% annual reduction, ends ~2050	18,018	$24.32M	$2.74M	Gold-standard target, early outcomes, climate resilience	High upfront costs, complex logistics
Scenario 5 30% Council canopy by 2050 – Accelerated	Fastest delivery model	20.1%	30% cover on Council land	High, then 33% annual reduction, ends ~2050	16,487	$22.26M	$3.93M	Fastest canopy delivery, lowest total trees, largest lifecycle savings	Very high upfront cost, highest early delivery burden

[1] Total Canopy Cover = Canopy cover percentage of townships by 2055 across all tenures (Council, Crown, and private)

[2] Total Cost covers the 2025 to 2055 timeframe and includes tree stock, planting and maintenance (e.g. watering) for 3 years to ensure establishment (based on current Council costs) but excludes future CPI indexing, land acquisition or repurposing, or the administrative and staffing costs

[3] Year 1 costs excludes future CPI indexing, land acquisition or repurposing, or the administrative and staffing costs

[4] Targeted equity means equitable planting approach to address canopy disparities between townships to ensure fair distribution of new street plantings across all townships