

Business Case Hybrid Diesel/Electric 7.5tne Tipper vs Diesel 7.5tne Tipper

	Total Cost						
Diesel 7.5tne Tipper	38,495						
Hybrid diesel/Electric 7.5tne Tipper	46,545						
Capital outlay differential	8,050						
		Year 1	Year 2	Year 3	Year 4	Year 5	Whole life cost
	Diesel information input:						
	Annual mileage	10,000	10,000	10,000	10,000	10,000	
	Cost of diesel (per litre)	£0.95	£1.00	£1.05	£1.10	£1.15	
	Cost per gallon	£4.31	£4.53	£4.76	£4.99	£5.24	
	Litres	2892	2892	2892	2892	2892	
	Estimated mpg	15.7	15.7	15.7	15.7	15.7	
	Annual cost calculations						
	Interest on prudential borrowing	£6,783.8	£6,783.8	£6,783.8	£6,783.8	£6,783.8	
	Annual diesel cost	£2,747	£2,884	£3,029	£3,180	£3,339	
	Adblue	£44	£44	£44	£44	£44	
	Maintenance	£5,876.0	£5,876.0	£5,876.0	£5,876.0	£5,876.0	
		£15,451	£15,588	£15,732	£15,884	£16,043	£78,698
		Year 1	Year 2	Year 3	Year 4	Year 5	Whole life cost
	Hybrid Tipper						
	Annual mileage	10,000	10,000	10,000	10,000	10,000	
	Cost of diesel (per litre)	£0.95	£1.00	£1.05	£1.10	£1.15	
	Cost per gallon	£4.31	£4.53	£4.76	£4.99	£5.24	
	Litres	2352	2352	2352	2352	2352	
	Estimated mpg	19.3	19.3	19.3	19.3	19.3	
	Annual cost calculations						
	Interest on prudential borrowing	£8,202	£8,202	£8,202	£8,202	£8,202	
	Annual diesel cost	£2,235	£2,346	£2,464	£2,587	£2,716	
	Adblue	£36	£36	£36	£36	£36	
	Maintenance	£5,876	£5,876	£5,876	£5,876	£5,876	
		£16,349	£16,461	£16,578	£16,701	£16,831	£82,920

Assumptions:

- Based on Leeds Prudential borrowing
- Residual value diesel tipper 20%
- Residual value hybrid tipper 20%
- Fuel saving estimated 23%