

## Business Case Electric Small Van vs Diesel Small Van

	Total Cost						
Peugeot Partner SE L2 1.6HDI	10,744						
Peugeot Partner EV	13,027						
Capital outlay differential	2,283						
		Year 1	Year 2	Year 3	Year 4	Year 5	Whole life cost
	<b>Diesel information input:</b>						
	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	
	Estimated mpg	45.0	45.0	45.0	45.0	45.0	
	<b>Annual cost calculations</b>						
	Interest on prudential borrowing	£1,893.4	£1,893.4	£1,893.4	£1,893.4	£1,893.4	
	Annual diesel cost	£958	£1,006	£1,057	£1,110	£1,165	
	Maintenance	£1,722.0	£1,722.0	£1,722.0	£1,722.0	£1,722.0	
		£4,574	£4,622	£4,672	£4,725	£4,780	£23,373
		Year 1	Year 2	Year 3	Year 4	Year 5	Whole life cost
	<b>Nissan EV Plug-in information input:</b>						
	Annual mileage	10,000	10,000	10,000	10,000	10,000	
	Electricity Unit rate (kWh)	£0.120	£0.1260	£0.132	£0.1389	£0.146	
	Battery kWh rating	24	24	24	24	24	
	Range	75	75	75	75	75	
	Cost per mile	£0.04	£0.04	£0.04	£0.04	£0.05	
	<b>Annual cost calculations</b>						
	Interest on prudential borrowing	£2,420	£2,420	£2,420	£2,420	£2,420	
	Total annual electricity cost	£384	£403	£423	£445	£467	
	Maintenance	£1,225	£1,225	£1,225	£1,225	£1,225	
		£4,029	£4,048	£4,068	£4,090	£4,112	£20,347

### Assumptions:

- Based on Leeds Prudential borrowing
- Residual value diesel van 20%
- Residual value EV van 15%