



Chichester City Council

**REPORT to PROPERTY & FINANCE COMMITTEE
FROM
PROPERTY & MAINTENANCE MANAGER
ANDREW WATSON
Date: 02/09/2024**

PURCHASE OF REPLACEMENT TIPPER TRUCK

Background:

The existing Ford Transit Tipper (YP61 XXA) was manufactured in 2011 and is now approaching 15 years in age. At the time of the last MOT in January 2024 it required work to get it pass its MOT.....not with a clean sheet. There were many advisories which will appear in at the time of testing in January 2025, some of which will no doubt be more serious and will require attention to the following: corroded brake pipes, corroded B post effecting passenger seatbelt anchorage, corroding inner sills, leaf springs plus there is a wining sound from the gearbox that is getting worse.

In addition, the vehicle is fuelled by diesel and emits CO₂ at the rate of 473.6 g/per mile, therefore based on our average miles per year of 1,620, the vehicle has emitted 767,232g, therefore over our 7 years ownership we have contributed 5,370,624g of harmful emissions.

Requirements of the replacement:

The vehicle needs to be a Tipper variant due to the nature of the work we now perform around the city. Moving electric tractor mower, clearing waste from parks and allotments and moving building materials more than 1,000kg plus tools.

The ability to tow occasionally.

The ideal accessories are caged sides, LED beacon, winch, tow bar, tool pod and inverter to charge electric tools.

Additionally, the vehicle would need to be branded in the council colours and have highway chevron markings to the rear to conform highway regulations; cost for this is not included in the following figures.

To assist in meeting our NetZero 2030 target a replacement Tipper would be beneficial with 0g/per mile of CO₂ produced!

Findings:

Over the past 3 months I have been evaluating the requirements with team members and discussing with various suppliers, which has proved quite difficult and limiting due to our requirements, overleaf the costs (Excluding VAT) are detailed from various suppliers.

Lead times are around 12 weeks dependant on availability of chassis.

Costings:

MAXUS	EV9 Tipper 2600	EV9 Tipper 3500	EV9 N2 Tipper 4025
Warranty Chassis	5/60,000	5/60,000	5/60,000
Tipper	1 Year	1 Year	1 Year
Battery Warranty	8/100,000	8/100,000	8/100,000
Max Load Kg	700	700	1200
Max Tow Kg		1200	1500
Company "A"		£ 50,783.33	£ 52,700.00
Company "B"	£ 43,905.00		£ 64,450.00
Company "C"			
Company "D"			
FORD	Transit Tipper 3500	Transit Tipper 4025	
Warranty Chassis	3/100,000	3/100,000	
Tipper	1 Year	1 Year	
Battery Warranty	8/100,000	8/100,000	
Max Load Kg	700	1200	
Max Tow Kg	TBA	TBA	
Company "A"			
Company "B"			
Company "C"	£ 58,248.15	£ 62,389.10	
Company "D"		£ 58,390.00	
IVECO	Tipper 3500	Tipper 4025	
Warranty Chassis	2/100,000	2/100,000	
Tipper	1 Year	1 Year	
Battery Warranty	1-Bat 8/100,000	2-BAT 8/150,000	
Max Load Kg	750	1200	
Max Tow Kg			
Company "A"			
Company "B"			
Company "C"	£ 91,765.00	£ 99,745.00	
Company "D"			

Evaluation of the above:

There are only 3 vehicles that would meet our requirements due to max permissible load, as we require 1,200kg:

- Maxus EV9 N2 Tipper 4025 (£52,700) – Poor service and support
- Ford Transit Tipper 4025 (£58,390) – Unable to Tow at present Ford have not approved
- Iveco Tipper 4025 (£99,745) - Expensive

NOTE: In order to drive this vehicle due to its weight, Stephen Holman is currently upgrading his Driving Licence

Photos:

Maxus:



Ford:



Iveco:



Additional Comments:

- I have evaluated the current EV Tipper second-hand market and found that only lower 700kg payloads are available at present.
- Ford have not approved towing which is a requirement 2-3 times a year.
- Ford closest dealership Portsmouth/Cosham.
- Maxus closest dealerships are Brighton and Southampton, however it must be noted that councils in Surrey have experienced poor service, vehicles off the road on a regular basis based on the chassis and EV configuration.
- Iveco closest dealership Southampton.

Alternative Options:

- Purchase a cleaner diesel version as an interim and wait till the EV Tipper market is more viable and stable.
 - Ford Transit 350 2.0 EcoBlue Tipper 2022 (20,000 miles) - £24,200+VAT
 - Ford Transit 350 2.0 EcoBlue Tipper 2022 (32,000 miles) - £22,990+VAT
 - The above vehicle specification is fuelled by diesel with AdBlue and emits CO2 at the rate of 329.6 g/per mile, therefore based on our average miles per year of 1,620, the vehicle has emitted 533.952g, **therefore a reduction of 233,280g of harmful emissions per annum.**
 - The above would require additional costs for cage, tow bar, Beacon, Graphics circa £4K