

<b>SUBJECT:</b>	<b>New Street Cleansing Vehicles</b>
<b>REPORT OF:</b>	<b>Officer Management Team - Director of Services</b>
	<b>Prepared by - Head of Environment</b>

## Purpose of Report

- 1.1 To describe the new street cleansing vehicles to Members.

## Background

- 2.1 The current street cleansing fleet is due to be replaced from November 2014, on the basis of standard fleet renewal timescales of 7years and in line with the current contractual requirements.
- 2.2 The Contractor (Biffa) have recommended a fleet purchase with some slight alterations to the current vehicles in use in order to improve the cleansing services.
- 2.3 Due to limited use of the existing grab lorry which is used to remove large flytips in the main, it is proposed that this vehicle will undergo a full refurbishment instead of replacement as the most cost-effective way to run this part of the service.
- 2.3 The vehicles, once purchased will be assets of the Council but will be kept and maintained by the Contractor. The Contractor will therefore be responsible for the servicing, insurance and tax of the vehicles as well as on-going maintenance, MOTs and any repairs.
- 2.4 Vehicles will be ordered as soon as authorisation is given for purchase to the Contractor. Delivery lead-times for vehicles vary but some will be up to 12weeks from date of order confirmation
- 2.5 The County Council as the disposal authority direct our disposal sites and we need to bear in mind the disposal of streets arisings in the future as these may be re-directed due to the commissioning of the new Energy from Waste facility.

## Proposed Street Cleansing Fleet

- 3.1 Proposed fleet make-up compared with current fleet:

GVW	Body Type #	Chassis Make	Chassis Type	Existing Vehicle
15t	Truck Mounted Sweeper Dual Sweep c/w Swivelling Wide Brush	DAF/LF55-220	Scarab Magnum	Truck Mounted Dual Sweep
7.5t	Truck Mounted Sweeper with Single Sweep	DAF/LF45-150	Scarab Merlin XP	Scarab Minor
3.5t	Caged Tipper	Mercedes Sprinter 313CDi	TGS Cage Tipper	3.5t Caged Tipper
3.5t	Caged Tipper	Mercedes Sprinter 313CDi	TGS Cage Tipper	3.5t Caged Tipper
3.5t	Caged Tipper	Mercedes Sprinter 313CDi	TGS Cage Tipper	3.5t Caged Tipper
3.5t	Caged Tipper	Mercedes Sprinter 313CDi	TGS Cage Tipper	3.5t Caged Tipper
3.5t	Caged Tipper with Tailift	Mercedes Sprinter 313CDi	TGS Cage Tipper c/w Tailift	7.5t Caged Tipper
7.5t	Caged Tipper with Tailift	DAF/LF45-150	TGS Cage Tipper c/w Tailift	7.5t Tipper
15t	Tipper / Lorry Loader - Refurb Existing Vehicle	IVECO 180E18	Rigid / Crane	Refurbished existing vehicle

- 3.2 The main vehicle variances are: Scarab Minor (3.5t sweeper vehicle) being replaced by a Scarab Merlin (7.5t sweeper vehicle); 7.5t caged tipper being replaced by another 3.5t caged tipper; other 7.5t caged vehicle potentially being replaced by a solid bodied vehicle

3.3 Please see appendix for illustration of major vehicle change (Scarab Minor to Merlin) and for illustrative pictures of other relevant vehicles.

3.4 Reasons for proposed changes are as follows:

- Scarab Minor to Scarab Merlin - The Contractor has proposed to replace the Scarab Minor with a larger vehicle with an extendable sweeping arm with which, in particular, to clean paths. This proposal is made to increase efficiency of sweeping and is considered the most robust of the options available at this time. Other options investigated were 2 smaller sweepers but due to distances travelled these were rejected following manufacturers advice - if smaller sweepers were purchased they would require further replacement during the life of the contract due to the mileages covered. This larger vehicle will also improve sweeping efficiency over the 3.5t vehicle due to its extra capacity. The Contractor is confident at this stage in the contract with their increased knowledge of the area and requirements that this is the correct vehicle for the service.
- 7.5t cage to 3.5t cage - The smaller vehicle will allow more flexibility around the district and easier access to different areas. The increased capacity of the 7.5t caged vehicle has not been found to be needed and hence the choice of the more manoeuvrable vehicle going forwards
- 7.5t cage to 7.5t solid bodied vehicle - The County Council is currently investigating different disposal options for the bulky waste element of the waste stream in-line with the new incineration facility. These options will require more re-use of the materials and hence a solid bodied vehicle will assist with this, as it will enable items being transported to be kept clean and dry. There are 2 options around how to enclose the vehicle body -either purchase solid sided or utilise a canvas cover on a caged body - which will be determined closer to the purchase date.

3.5 The street cleansing specification in the contract is an output based specification hence it is for the Contractor to provide the service to meet the required output levels. As such they have recommended some changes to the vehicles currently in use in order to enhance their efficiency in meeting the specification

3.6 Further investigations are being carried out with the Contractor with regards to further improving pavement sweeping capacity, particularly in village centres. Discussions are centred on the potential purchase of an additional asset of a small 'ride-on' sweeper (similar to that illustrated in the appendix).

Advantages of such a sweeper are that it is specialised for pavement sweeping, however they have a shorter wear life of approximately 3 years, so would need to be replaced before the rest of the fleet. They also need to be transported between towns and villages using another vehicle and trailer which can reduce their efficiency of use.

These discussions are on-going and purchase of such a machine would be in addition to the rest of the fleet utilising remaining capital budget.

3.7 The large sweeper (truck mounted dual sweep) which is being replaced may be sold onto the County to supplement their fleet

#### **4. Finance and Wider Policy Implications**

4.1 Current available capital budget which could be used for this purchase is **£678,017**.

4.2 The total purchase value of the described fleet above, including the refurbishment costs is **£496,735 plus VAT of £99,347**.

- 4.3 There are additional potential costs of up to £20,000 plus VAT for enclosing the body of the 7.5t vehicle (as described above), which have yet to be finalised.
- 4.4 The costs of any 'ride-on' sweeper purchased would be in addition to the above, but as this has not been specified yet, no quotes have been obtained.
- 4.5 The Finance team have confirmed that VAT would be recoverable on this purchase.

## 5. Recommendation

Members are asked to note the content of this report.

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<b>Background Papers:</b>	<b>None</b>

## Appendix: Illustrative vehicles

Scarab Minor (small sweeper), being replaced with Scarab Merlin (medium sweeper)



Cage Tipper vehicle illustration (3.5t and 7.5t specified)



7.5t Solid bodied Lorry ('Box Van')



Grab Lorry Vehicle illustration



Ride-on sweeper illustration

