



**TO:** Lucas Martsof, Assistant Township Manager  
**FROM:** Jason A. Dailey, Director of Utilities  
**RE:** Purchase Justification – FLEET  
**Date:** January 19, 2021

**Purchase Justification – 1709 Sewer Water Field Tap Truck – 2021 Ford F600 4x4 Service Body – Service Tap Hydraulic Tool Truck**

The Department of Public Works, Streets and Fleets Division has reviewed the Township's Fleet Replacement Program (FRP) and identified truck 1709 (2008 Ford F550 Service Tap Compressor Truck) as a priority for replacement. According to the FRP, this truck is classified as a Medium Duty Diesel where the minimum score required for replacement is 34. The current score for this asset is 36 points and that is based on age (13 years), mileage, repair maintenance cost, and condition (see chart below). The history of Ford's 6.4L diesel engine has been known for internal engine component and emissions failures. Our current engine is exhibiting similar characteristics prone to failure with heavy blue and black smoke while in use. A replacement engine for this truck will cost over \$15k plus installation.

This truck is used exclusively by the sewer and water field division for water service tap installations and repairs, as well as sewer line repairs. The proposed replacement truck will eliminate the high volume air compressor used for jack hammering through concrete and rocks to gain access to the water tap and/or sewer line locations; instead it will have a PTO driven hydraulic tool setup similar to the crane truck. Increasing the efficiency by sharing the same hydraulic tools between trucks.

For these reasons, it is our recommendation utilize the **COSTARS state contract** to trade-in truck 1709 towards a truck with a larger GVWR (Ford F600 at 22,000 lbs – non CDL) with a 7.3L gas engine (approx. savings of \$10k) which will eliminate the recurring problem of diesel exhaust burn off systems (DPF filters plugging up). Trade-in value is currently valued at \$10k. The 2021 Ford F600 service body with PTO activated hydraulic tool setup is \$73,640. When the trade-in is applied it lowers the cost to \$63,640 (see attached quote). Since this truck is used exclusively by the Sewer & Water field crew, it is recommended that the funding be split between those two capital fund accounts (50% each account). It is estimated that this truck will be available within 9 months of placing the order.

Asset #	Purchase \$	Description							Model Yr	Odom Rdg	
	# of WO	WO Total \$	Fuel Type	Garaged?	Service Type	Condition	Driver Type	Service \$	Age	Mileage	Total
11054	\$55,178	1709 / TAP 2008 F550 - 1FDAF57R66EE48868							2008	82,360	
	442	\$42,541	2	0	1	4	2	6	13	8	36
APWA Type: Medium Duty, Diesel (350, 550, 1708)   Equipment Group: Sewer & Water Field											

Product Details:  
Laurel Auto Group  
136 Ford Drive  
Windber, PA 15963  
**COSTARS Contract #025-043**  
**COSTARS Vendor #178949**

<b>Asset # 11054</b> 	<b>Unit to be Purchased</b> 
<b>Justification</b> This service tap compressor truck has exceeded the minimum parameters of the Fleet Replacement Plan. It is used on all water tap and water line construction projects. It will be used exclusively by the sewer & water field division.  <b>Sewer Capital Fund 6210-5595-6125 (50%)</b> <b>Water Capital Fund 6110-5495-6125 (50%)</b>	<b>Purchase Price</b>  <b>Price</b> <b>Ford F600 w/service body and compressor</b> <b>\$73,640.00</b>  <b>Trade-in (1709) 2008 Ford F550</b> <b>- <u>\$10,000.00</u></b>  <b>Total Purchase Cost</b> <b>\$63,640.00</b>