



**CITY OF MARSHALL  
EQUIPMENT REVIEW – 03/11/2024**

<b>Presenter:</b>	Jason Anderson
<b>Meeting Date:</b>	Monday, March 11, 2024
<b>Category:</b>	NEW BUSINESS
<b>Type:</b>	ACTION
<b>Subject:</b>	Drag Line Hose Cart for Wastewater Department
<b>Background Information:</b>	<p>The Wastewater Facility produces four million gallons of bio-solids annually. To dispose of the bio-solids we utilize a dragline system to apply them to nearby agricultural fields as fertilizer. The dragline system consists of a large pump, an injection tool bar that is attached to a leased tractor, hundreds of feet of hose and a large cart to roll the hose up on for transportation and storage.</p> <p>While our pump can pump the bio-solids longer distances we are limited by the amount of hose that we have. Currently we can reach 382 acres of approved application sites. By purchasing more hose, couplers, and another hose cart we would be able to reach another 128 acres of already approved land. Another 80 acres of land could potentially be applied on after site approval.</p> <p>Attached are the following: a map of future application sites, three quotations and picture of a new cart and hose for reference (not existing).</p>
<b>Fiscal Impact:</b>	<p>Wastewater staff have received three quotes for the needed hose, couplers, and hose cart. The quotes range from \$91,901.20 down to \$81,200.92. There is also an option to purchase a “one of” new hose cart that has faded paint due to sitting outside for a couple of seasons for \$74,525.42. This option also includes the needed hose and couplers.</p> <p>Wastewater has budgeted \$87,500 in the 2024 CIP for the purchase of this equipment and staff are recommending the purchase of the low quote of \$74,525.42.</p>
<b>Alternative/ Variations:</b>	No alternative actions recommended.
<b>Recommendations:</b>	Recommend to City Council the purchase of hose reel cart, hose, and couplings as per the included quotation from Hydro Engineering, in the amount of \$74,525.42.