

Memo

To: City Council
From: Amy E. Gilson, P.E., Director of Public Works
Date: December 22, 2015
Re: Grit Technology Concerns



At the last regular council meeting, the first reading of the resolution for approval of the technology brought some questions forth. Please remember that this is for approval of the technology only, not the actual bids that may have vendors proposing different pieces of equipment that utilize this technology.

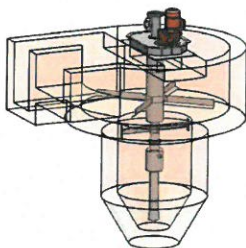
Regarding the cost of the systems, the table in the bottom right corner of the Present Value Analysis that was presented used an average cost of several acceptable manufacturers of each technology. Here is an enhanced view of the table:

Alternative	Estimated Capital Cost*	OM&R NPV**	20 Year Present Cost
Mechanical Vortex	\$475,900.00	\$121,186.00	\$2,122,817.70
Headcell	\$630,900.00	\$118,249.05	\$2,237,904.55
Aerated Grit	\$247,900.00	\$480,556.53	\$6,778,663.24

* From Project Estimates Attached

** From OM&R Calculations Table

Again, there are several vendors for the mechanical vortex type equipment, and each varies by manufacturer. Different units are made of different materials, and stainless steel is the preferred option. This is a typical unit:



Please let me know prior to the council meeting if you have any additional questions.