

Flygt N-Impeller Saves Energy, Labor, and Money!

Texel Drive Lift Station, Kalamazoo, MI



Key Product Features:

Sustained high efficiency = Reduced energy costs

Extreme clog resistance = Reduced labor costs, increased safety for operators

Flygt quality = Long service life and reduced life cycle cost.
Going green and saving green.

PROBLEM: The Texel Drive lift station services a residential subdivision and an apartment complex. The station experiences a high volume of rags and the existing pumps were constantly clogging and not producing adequate flow. At least once every 2 weeks, the City would receive high water alarms and would have to pull and clean the pumps. Due to the majority of the work needing to be completed during the late evening hours, the clogged pumps and required cleaning resulted in excessive overtime hours and unsafe work conditions

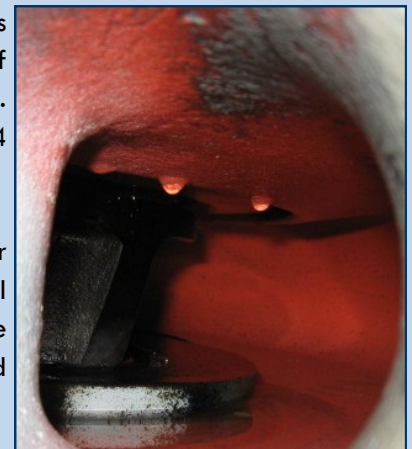
SOLUTION: The City contacted Kennedy Industries about the Flygt N-Impeller pump to see if the product could reduce clogs and maintenance. Kennedy offered a 60 day trial of a 7.5 hp Flygt NP3127 that utilized their existing guide rail system. The Flygt pump was installed next to one of the existing pumps that had just been pulled and unclogged. Once both pumps were installed, side by side, flow measurements and a specific energy analysis were done on each pump. The Flygt 7.5 hp pump produced more flow and used almost 1/3 of the energy than the competitors 10 hp pump. Two



Competitor pump being unclogged

weeks after installation, the City pulled both pumps for inspection. The Flygt pump showed no signs of debris and was as clean as the day it was installed. The Flygt N-Impeller pump also ran more than 14 hours less than the existing pump.

CONCLUSION: The installation of the Flygt N-Impeller pump will save the City an estimated 60% in electrical costs and an un-told amount of labor and maintenance cost, while providing a safer work environment and reliable performance.



Flygt pump at two-week inspection