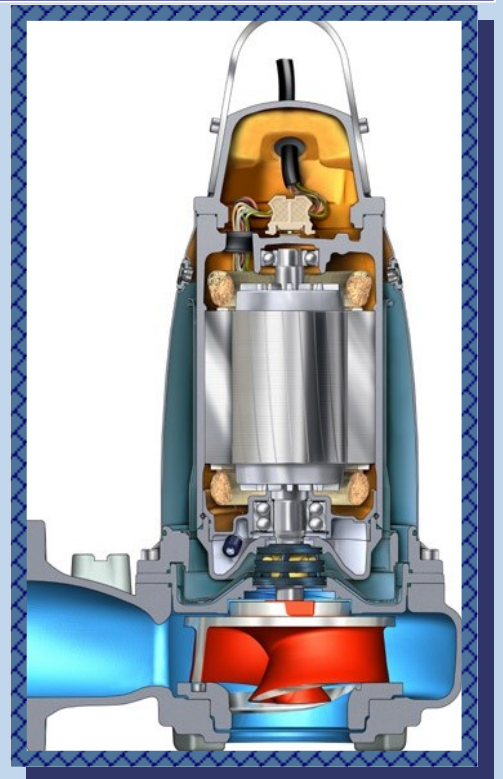


FLYGT “N” PUMP CUTS NORTHFIELD TOWNSHIP ENERGY COSTS AND INCREASES RELIABILITY

Problem: Northfield Township’s quadra-plex submersible sewage lift station, which pumps 600,000 GPD directly to the wastewater treatment plant, was continually needing maintenance. Each pump had to be pulled, unclogged and inspected at least 1-2 times per week. This maintenance was costing Northfield Township time, excessive expense and concerns for the safety of personnel. Kennedy Industries proposed the Flygt “N” impeller pump to reduce these costs and offered an energy analysis after pump installation to compare the new pump to the existing pumps. The upgrade was approved and one new pump was installed alongside the three existing. All pumps operated on variable frequency drives.



“...the new pump consumed 40% less energy than the existing pumps!”



Flygt “N” Pump Features:

- Saves energy costs
- Reduces repair and labor costs
- Self-cleaning impeller
- Non-clog Design

Solution: After installing the Flygt “N” pump, Kennedy performed an energy analysis on the existing three pumps and the new pump. The results showed that the new pump consumed 40% less energy than the existing pumps! The existing pumps averaged 1025 RPM and over 25 kW. The newly installed model did the same work at only 980 RPM and only 15 kW. At this rate, the new pump will be paid for in about 4 years by reducing costs of almost \$6K per year in energy savings alone. After several months of operation the new Flygt “N” pump has yet to be pulled, as it has not clogged. The impeller’s superior non-clog design will save on maintenance hours and improve safety for their operators. The detailed energy report provided with the audit can be used by customers, like Northfield Township, to show real-world return on investment to justify the purchase of a new pump.