



South Florida Municipality Salvages “Hopeless” Pump Impeller with DurAlloy & CeramAlloy for Less Than Half of What a New Impeller Would Have Cost.



A municipal wastewater treatment plant in South Florida realized they had a problem with one of their pumps. These pumps work all day pumping “sewage, grease, sand, rocks, you name it,” according to the plant engineers. Because of the harsh environment the impellers on these pumps take a severe beating.

Each impeller costs about \$5,600.

When they inspected one of these badly damaged impellers, the plant engineers thought that a repair was “hopeless”. But the local ENECON Fluid Flow Systems Specialist said, “Not so fast.” “We can fix it!”

The original size of the impeller was 295 millimeters. The damaged impeller was only 281 millimeters! Not only was the impeller very worn, but

the top and bottom flanges were out of round and uneven, as well. Because of its machinability, DurAlloy was first used to rebuild all the damaged areas back to original shape and contour.

Two coats of CeramAlloy CL+AC were then applied to completely resurface and protect the impeller and improve the pump’s overall efficiency.

