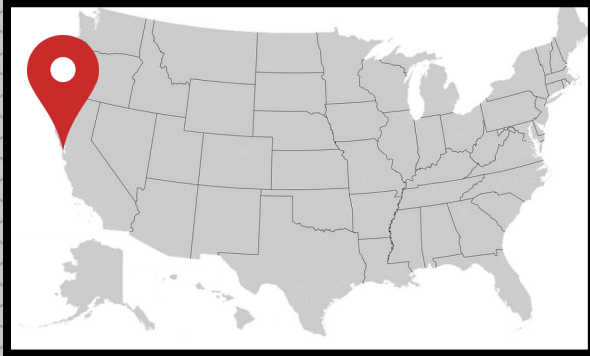


We solved ragging problems for Sewer Authority Mid-Coastside, Half Moon Bay.

CALIFORNIA



3-PHASE 25HP
460V PUMP



0.4 MGD
STATION



13,000
RESIDENTS

PROBLEMS PRE-DERAGGER

- Pumps clogging usually twice every week, and took 45mins to 1 hour to clean each pump.
- Risk to employees lifting pumps & exposed to waste, sharps etc.
- Excess energy consumption & high energy bills.

ENERGY SAVINGS:

19% or

\$500 per month in PG&E bills

LABOR SAVINGS:

Authority calculated at
\$735 per month.

TOTAL COST SAVINGS AS PROJECTED BY
SEWER AUTHORITY MID-COASTSIDE:

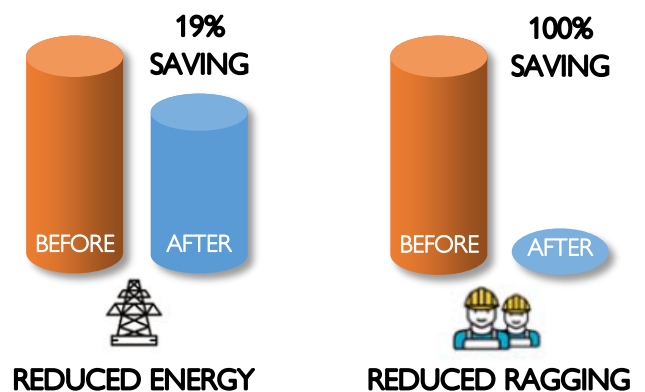
\$14,820 per year.

SOLUTION

- DERAGGER™ + Keypad installed July 2017.
- *Real Time Pump Protection™* used to detect rags and run pump reversal via VFD.

BENEFITS

- Complete reduction in ragging. Big savings on manpower with staff now utilized other than for constant cleaning. Authority calculated savings at \$735 per month.
- Energy usage decreased by 19%. Authority found PG&E bills were down \$500 per month.



"We found that the energy usage has decreased to approximately 20% which shows a \$500 savings on our PG&E bill. This is besides the fact that we have been able to save manpower and utilize them for other activities instead of the constant cleaning."

Kishen Prathivadi, P.E, PMP, Sewer Authority Mid-Coastside

Energy and cost saving calculations are as reported by Sewer Authority Mid-Coastside, using PG&E bills, known times for pump cleaning and appropriate hourly rates.

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