

We solved ragging problems for
Western Avenue.

CALIFORNIA



**TWO 50HP
(37.5kW) PUMPS**



**5.5M RESIDENTS
IN AUTHORITY**

PROBLEMS PRE-DERAGGER

- Pump clogged 2 to 4 times every month.
- Required regular intervention from operational staff to minimize environmental impact.
- Risk to employees lifting pumps & being exposed to waste, sharps etc.
- LA County Sanitation had tried a PLC (Programmable Logic Controller) to do timed pump reversal previously at Long Beach Main, but it had not resolved the ragging issues.

SOLUTION

- DERAGGER™ installed November 2013.
- *Real Time Pump Protection™* used to detect rags before they form rag balls.

BENEFITS

- In first week of installation, DERAGGER™ prevented nine blockages across two pumps.
- No blocked pumps since installation over 4 years ago.
- Electricity consumption down 4.5% in first week.

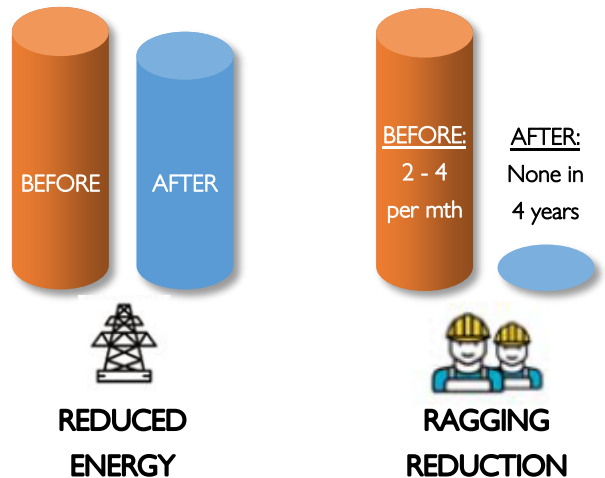
NO PUMP RAGGING FOR:
Over 4 years

ELECTRICITY CONSUMPTION SAVING:
4.5% in first week

Estimated Energy Savings:



Estimated Call-Out Savings:



Ragging data from source, current and energy data taken over 2 week period.