

# PENTAIR® DYNAMIC TORQUE CONTROLLER™ MODULE

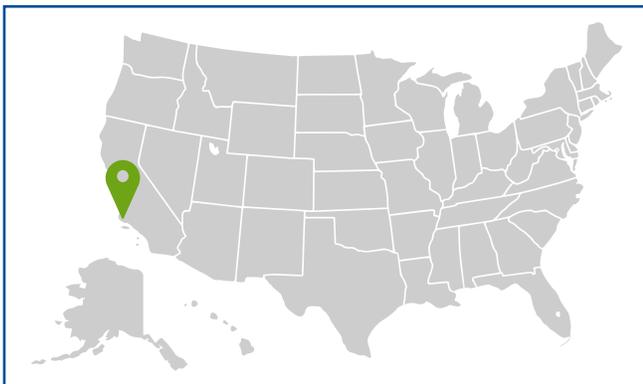
## WESTERN AVENUE, CALIFORNIA



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



**5.5M RESIDENTS  
IN AUTHORITY**



### PROBLEMS

- ◆ Pump clogged two to four times every month.
- ◆ Required regular intervention from operational staff to minimize environmental impact.
- ◆ Risk to employees lifting pumps and being exposed to waste, sharp objects, 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 clogging issues.

### SOLUTION

- ◆ Dynamic Torque Control technology<sup>1</sup> installed November 2013.
- ◆ The technology smartly monitors pump performance in real time and detects and passes debris, keeping pumps clog free.

### PROJECT RESULTS\*

- ◆ In first week of installation, Dynamic Torque Control technology prevented nine blockages across two pumps.
- ◆ No clogged pumps since installation over four years ago.
- ◆ Electricity consumption down 4.5% in first week.

**NO PUMP CLOGGING FOR: over four years**  
**ELECTRICITY CONSUMPTION SAVING: 4.5% in first week**



**REDUCED  
CLOGGING**



**AFTER:  
NONE IN  
4 YEARS**



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\*Actual results and performance may vary based upon site and operating conditions.  
<sup>1</sup>Dynamic Torque Control technology is a licensed and branded version of the Deragger™ technology.  
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