

## **PULSCO: Deteriorating Surge Control System**

### **THE PROBLEM**

The City of Carlsbad's surge control system for Batiquitos Pump Station was old and deteriorating. City staff identified as a need to budget for a capital improvements project (CIP). However, during the budgeting for a CIP the existing surge control system further deteriorated. The deterioration had reached a point where the surge control system was now at risk of not functioning to protect against a potential pressure surge to the sewer system. The City now considered the replacement of its surge control system urgent and began pursuing an emergency repair.



### **THE SOLUTION**

New hydropneumatic surge control system by PULSCO was identified as a solution. Specifically, a 587-gallon vertical tank in kind replacement and PULSCO's Skypark 750 controls system. Also, MISCOwater's Collaborative Delivery was ideal for the City of Carlsbad as shortening project schedule was now critical in replacing the existing surge control system. MISCOwater's Collaborative Delivery makes rehab and replacement projects easy for end users. From project inception to conclusion end users have one point of contact for the entire project from quoting to onsite training of installed equipment, a truly "turnkey" experience.

## THE RESULT

The project was completed with the project schedule below. From date of receipt of proposal to the contract’s conclusion was 151 working days. Following on the success of the PULSCO system installation at the Batiqitos Pump Station, the City prepared a CIP for FY 2020-2021 for a different pump station.



## THE CONCLUSION

In conclusion the expedited replacement of the surge control system was installed in 151 working days from receipt of the furnish & install proposal. The City of Carlsbad was able to replace the surge control system with a new system PULSCO surge control system without an incident of a pressure surge to the sewer system.

<u>Project Timeline</u>	<u>Date</u>
Proposal Submitted	June 19, 2019
Contract Executed	July 3, 2019
Submittal Prepared (4-6 week quoted)	August 9, 2019
Submittal Approved (16 weeks quoted)	August 29, 2019
Equipment Delivered	January 9, 2020
Installation	January 21, 2020
Onsite Training and Job Closeout	January 28, 2020
Total Working Days	151 working days