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## August 2019 Monthly Meeting

**Date:** Tuesday, August 13, 2019

**Time:** 11:00 a.m. – 1:00 p.m.

### Meeting Location:

**Brown & Caldwell**  
201 North Civic Dr., Suite 300  
Walnut Creek, CA 94596  
925-937-9010

## Meeting Agenda Items

- 11:00 a.m.** Introductions
- 11:05 a.m.** July Meeting Recap
- 11:10 a.m.** General Group Discussion
  - **Announcements**
  - **Financial Update**
  - **Project Discussions**
  - **News or Questions**
- 11:30 a.m.** Lunch
- 12:00 p.m.** Presentation Begins
- 1:00 p.m.** Adjournment

# Sharing Technologies Together

## Presentation Topic

**“Engineering/Collections Collaboration. Can you afford not to?” Christopher Brown Oro Loma Sanitary District**

This presentation will cover how collaboration between engineering and maintenance and operations provides success in pipeline replacement program.

## Meeting Questions

Contact: Dustin La Vallee, EBMUD

Phone: 510-287-1152

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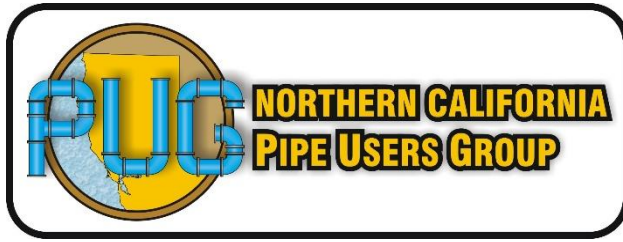
[Click Here to RSVP](#)

## Upcoming PUG Events

September 10: **Design Build Pipelines**, James Kohne, Woodard Curran

October 8: **No Regular Meeting**

October 17: **Introduction to Trenchless Technology Rehabilitation Good Practices course and Introduction to Trenchless Technology New Installations Good Practices course**, to be held at EBMUD in Oakland



**MEETING MINUTES**  
July 9, 2019

**Attendees:**

<b>Name</b>	<b>Company Name</b>	<b>Email Address</b>
Agustin Lopez	Sacramento Area Sewer District	lopeza@sacsewer.com
Alexandra Watson	HydroScience Engineers	AWatson@Hydroscience.com
Andrew Hawksworth	EBMUD	andrew.hawksworth@ebmud.com
Angel Mejia	V&A Consulting Engineers	amejia@vaengineering.com
Bas Basavaraj	Trident Environmental Eng	Bas@Tridenteng.com
Bill Chavez	Regional San	chavezb@sacsewer.com
Bonneau Dickson	Consulting Sanitary Engineer	dickson.bonneau@gmail.com
Bryan Perkins	Contra Costa Water	bperkins@ccwater.com
Catherine Morey	Brown and Caldwell	cmorey@brwncald.com
Chad Mosier	Celerity consulting	cmosier@consultcelerity.com
Christianne Bailey	SFPUC	chlbailey@sflower.org
Cindy Preuss	HydroScience Engineers, Inc.	cpreuss@hydroscience.com
Connor thomas	SFPUC	cithomas@sflower.org
David Pieper	VW Housen & Associates	dpieper@housenassociates.com
Derek Wurst	Black & Veatch	wurstdm@bv.com
Don Greb	Griffin Soil Group	don@griffinsoil.com
Dustin Chisum	AECOM	dustin.chisum@aecom.com
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Gean Na	American Concrete Pipe Assoc	gna@concretepipe.org
Ian Bronswick	Delta Diablo	ianb@deltadiablo.org
Jacob Ferriera	Underground Solutions	jferriera@aegion.com
Jimmy Dang	Oro Loma Sanitary District	jdang@oroloma.org
Jose Rodrigues	Union Sanitary District	joser@unionsanitary.ca.gov
Kaitlyn Leong	NV5	kaitlyn.leong@nv5.com
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Kathleen Smith	ADS	kathleen.smith@ads-pipe.com
Kingsley Kuang	EBMUD	kingsley.kuang@ebmud.com
Landon Lochrie	Castro Valley Sanitary District	LANDON@CVSAN.ORG
Lawrence Tam	AECOM	lawrence.tam@aecom.com
Lee Abramson	Kleinfelder	labramson@kleinfelder.com
Lisa Zou	Central San	lzou@centralsan.org
Lizbeth Maldonado	SFPUC	lmaldonado@sflower.org
Nancy McWilliams	Solano Irrigation District	nmcwilliams@sidwater.org

Minutes by: Nancy McWilliams, Solano Irrigation District  
Secretary, Nor Cal PUG

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Nicole Kwan	V&A Consulting Engineers	nkwan@vaengineering.com
Patricia Quinn	Central San	pquinn@centralsan.org
Patrick Johnston	West Yost Associates	pjohnston@westyost.com
Paul Rodriguez	Mott MacDonald	paul.rodriguez@mottmac.com
Tyree Jackson	City of Oakland	tajackson@oaklandca.gov

**Presentation:** “Lower Lateral Inspections, Is There a Better Way?” Agustin Lopez, Sacramento Area Sewer District

***Highlights from the presentation include:***

The presentation included an overview of how the Sacramento Area Sewer District increased their lower later inspection program from 10,000 per year to 100,000 per year. Below is an outline of topics covered:

- Overview of the District
  - 3,100 miles of sewer mains
  - 1,500 miles of lower laterals
  - 1.2 million people served
- Program Purpose
  - Reduce sewer overflows
  - Survey, inspect, and clean lower lateral
- Original program
  - Scope: 10k laterals per year
  - Hire contractor to CCTV
  - Staff reviewed videos
- New program
  - Scope: 100k laterals per year
  - Required revised processes for data collection, work order creation, CCTV, Project Management
- Data Collection
  - ArcGIS Collector
  - Mobile App used by the contractor in the field
  - Eliminated data transfer from paper
- Feature Manipulation Engine (FME)
  - Converts data into different formats
  - Converted ArcGIS Data to Excel
- Work Order Creation/Updating
  - Created inhouse program that uploaded Excel info to Maximo (County’s CMMS) at a rate of 2-3 work orders per minute
  - Found that Maximo had similar tool that could create up to 13 work orders per minute
- CCTV submittal review
  - Developed priority ratings
  - Required contractor to set initial rating
  - Staff could review highest ratings first
  - Hired and trained temp staff
- Data Transfer
  - Created SacDrive – similar to drop box but no third party data ownership issues
- Project Management
  - Each tool along with FME allows project manager to see progress on map
  - Projects requiring repair can be identified by community and bundled

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Thank you, Agustin for a great presentation and your contribution to PUG!

**General:**

***June 2019 Meeting Minutes:*** June meeting notes were read.

**Announcements:**

***Membership Renewals due July 1, never too late.***

***October Training*** – Introduction to Trenchless and New Installation, EBMUD Oakland

***Annual Seminar February 20, 2020***– currently in planning process

***WEFTEC Conference*** – September 20-25, Chicago

***ASCE Pipelines Conference*** – July, Nashville

***WESTT mini No-Dig combined with HWEA*** – November, Honolulu

***NASTT No-Dig, March 2020***, Denver Scholarships for Public Agency employees should be announced soon.

***Financial Update:*** The current total in the organization account is \$41,322.96

***Raffles:*** No raffle this month. Remember, raffles can happen at any meeting but you have to be in attendance to win a prize.

**Project Discussions:**

Sacramento Area Sewer District currently designing rehab for Mission Trunk, 36”-75” CIPP that terminates at Regional San siphon structure – anticipated to be \$22M project

Question regarding PG&E requirements when potholing their facilities:

- Requirements may not be consistent in different regions
- NorCal 811: new website will provide PG&E rep based on Location
- Newark/Union city: within 3-5 feet of high pressure line PG&E must be onsite.

Derek Wurst said that San Jose Treatment Plant yard piping project presented at 2019 Seminar is due to bid, 96” and 108” elliptical, Engineers Estimate: \$3.5M

West County Sanitation has 5 small pump station project advertised for bid with EE of \$2.5M

Solano Suisun Water Authority opened bids for New Cement Hill Pipeline in June, 4 bidders for 2900 feet 20” pipe and interties with tanks and existing pipelines. EE: \$1.08M Low \$1.92 High \$2.85

**Next Meeting:**

The next general meeting is scheduled for Tuesday, August 13, 2019. The topic is “Engineering/Collections Collaboration. Can you afford not To?” Christopher Brown, Oro Loma Sanitary District

Please call Nancy McWilliams at 707-455-4018 or email [pugnorcal@gmail.com](mailto:pugnorcal@gmail.com) for additional information on this month’s meeting minutes.

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Secretary, Nor Cal PUG

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