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September 2019 Monthly Meeting

Date: Tuesday, September 10, 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.** August 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

Design-Build for Linear Projects, Jennifer Glynn, Woodard Curran, Panel Moderator

This presentation will be a roundtable discussion related to linear design-build projects from the perspectives of Contractor, Municipal Representative, and Consulting Engineer. Panelists include Stan Simmons of WM Lyles Co, Bob Granberg of Granberg Associates, and Norman Joyal of McMillen Jacobs.

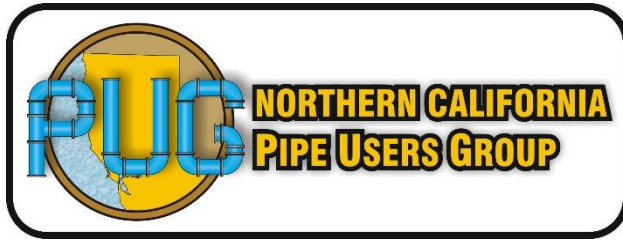
Meeting Questions

Contact: Dustin La Vallee, EBMUD
Phone: 510-287-1152
Email: PUGnorcal@gmail.com
Web: www.norcalpug.com

[Click Here to RSVP](#)

Upcoming PUG Events

- October 17: **No Regular Monthly 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
- November 12: **Ice Pigging for Pipelines**, Daniel Eisenberg, Suez
- December 10: **American Iron & Steel Requirements**, Chris Keffer, The Iron Group



MEETING MINUTES
August 13, 2019

Attendees:

Name of Attendee(s)	Company / Agency Name	Email Address
Alan Kam	West Valley Sanitation District	akam@westvalleysan.org
Alex Cropp	Stantec	alexander.cropp@stantec.com
Alexandra Watson	Hydroscience Engineers	awatson@hydroscience.com
Amanda Cauble	Central San	ACauble@centralsan.org
Andrew Coulter	Carollo Engineers	acoulter@carollo.com
Bas Basavaraj	Mike Heckathorn,	Bas@Tridenteng.com
Bill Miller	City of Sac	bmiller@cityofsacramento.org
Bob Allen	Trident Environmental and Engineering	ballen@tridenteng.com
Bonneau Dickson	Consulting Sanitary Engineer	dickson.bonneau@gmail.com
Brett Grant	City of Sac	bgrant@cityofsacramento.org
Brooke Ahmed	Black & Veatch	ahmedb@bv.com
Casey Smith	SAK Construction, LLC	csmith@sakcon.com
Christopher Brown	Oro Loma Sanitary District	cbrown@oroloma.org
Cindy Preuss	HydroScience Engineers	cpreuss@hydroscience.com
Colin Dudley	Brown and Caldwell	cdudley@brwncald.com
Conor Thomas	SFPUC	cithomas@sfgwater.org
Daniel Eisenberg	Suez AS	daniel.eisenberg@suez.com
Daniel Rodriguez	Black & Veatch	rodriguez@bv.com
Dustin Chism	AECOM	Dustin.Chisum@aecom.com
Dustin La Vallee	EBMUD	Dustin.lavallee@ebmud.com
Eric San Miguel	Brown and Caldwell	
Gean Na	American Concrete Pipe Association	gna@concretepipe.org
George Mallakis	TT Technologies Inc.	gmallakis@tttechnologies.com
Ian Bronswick	Delta Diablo	ianb@deltadiablo.org
Ileana Wald	Hydroscience Engineers	iwald@hydroscience.com
Jacob Ferriera	Underground Solutions	jferriera@aegion.com
James Letcher	Discovery Hydrovac	
Jamie Sweet	EBMUD	jamie.sweet@ebmud.com
Jimmy Dang	Oro Loma Sanitary District	jdang@oroloma.org
Jon Lee	EBMUD	

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 Secretary, Nor Cal PUG

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Jon Marshall	Carollo Engineers	jpmarshall@carollo.com
Judith Kung	Black & Veatch	KungKYJ@bv.com
Kaitlyn Leong	NV5	kaitlyn.leong@nv5.com
Kelvin Hatchett	West Valley Sanitation District	khatchett@westvallysan.org
Kevin Butler	R&B COMPANY	kbutler@rbcompany.com
Lizbeth Maldonado	SFPUC	lmaldonado@sflower.org
Nancy McWilliams	Solano Irrigation District	nmcwilliams@sidwater.org
Patrick Johnston	West Yost Associates	pjohnston@westyost.com
Rafael Molina-Cornejo	Central Contra Costa Sanitation District	rmolina-cornejo@centralsan.org
Robert Le	HydroScience Engineers	rle@hydroscience.com
Sean Williams	Delta Diablo	seanw@deltadiablo.org
Simon Wan	City of Sac	swan@cityofsacramento.org
Steve Nilforoushan	Rinker / ACPA	neama.nilforoushan@rinkerpipe.com
Su Pyae Sone Soe	McMillen Jacobs Associates	soe@mcmjac.com
Tara Sweet	EBMUD	tara.sweet@ebmud.com
TONY PARK	LEE & RO, Inc	TONY.PARK@LEE-RO.COM
Vern Phillips	Harris & Associates	Vern.Phillips@WeAreHarris.com
Vincent Luchessi	City of Santa Clara	vluchessi@santaclaraca.gov

Presentation: “Engineering/Collections Collaboration, Can You Afford Not To?” by Chris Brown with Oro Loma Sanitary District.

Highlights from the presentation include:

The presentation included an overview of how the Oro Loma Sanitary District coordinates with their maintenance crews to improve their sewer system upgrade designs. Below is an outline of topics covered:

- Collaboration: creating a cooperative arrangement to
 - Resolve possible disconnected between maintenance and engineering departments needs and wants
 - Understand the critical information that is located in each department
 - Improve communication to keep departments from being at odds with each other
- Evaluate needs of each department

Engineering Concerns	Collections Concerns
Budget	High Traffic
Property Rights	Difficult Access
Topographic Constraints	Traffic Control
Utility conflicts	Easement Access
Jurisdiction	Ingress/Egress
Technology Available	High Frequency Maintenance
Cost/Benefit	Difficult Homeowners

- Questions to Consider during Design that Can Be Maintenance Constraints
 - CCTV access

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- Hydro-Vac access
- Can maintenance be performed safely?
- Is this a responsible expenditure of public funds?
- Is there an alternative to replacement; point repair, lining, bursting?
- Is it cheaper to maintain than replace?
- CCTV
 - CCTV crews should understand why they are performing inspection
 - Junk in=Junk out
 - Consider time from CCTV problem to repairs (Oro Loma is about 18 months)
 - Communicate with Collections about what repairs/replacements are coming up
- Feedback from Field Crews
 - Recommend soliciting input at approximately 80 percent design
 - Collections will be looking for safety, access, travel time, pest or pet issues
- Examples from Specific Projects
 - Realignment of pipeline removed sewer from under existing driveway, moved manhole out of yellow jacket area, and allowed for more constructible land for land owner.
 - Pipebursting flat areas can introduce sags where none previously existed, project with new pipe did not improve maintenance
 - Consider increasing slope wherever possible
 - Consider moving manholes out of backyards wherever possible
 - Consider limitations of equipment, hydrojetter cannot run up grade 20% or greater
 - Verify maximum manhole distances with Collections, so that all parts of pipe are accessible by CCTV & cleaning equipment
 - Consider eliminating freeway crossings
 - Consider tying manholes together to provide natural overflow (backdoor).

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

General:

July 2019 Meeting Minutes: July meeting notes were read.

Announcements:

Membership Renewals due July 1.

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

Annual Seminar February 20, 2020 – currently in planning process

American Concrete Plant Tour - Fortera Concrete in Sacramento August 22

American Concrete Pipe Association - Webinar on Structural Pipe Design August 22

WEFTEC Conference – September 20-25, Chicago

WESTT mini No-Dig combined with HWEA – November 20-21, Honolulu

NASTT No-Dig, April 5-9 2020, Denver Applications for Scholarships for Public Agency employees available now. Scholarship includes registration and 3 night accommodations.

Financial Update: The current total in the organization account is \$50,707

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Raffles: Raffle winners: Simon Wan won a Coffee Gift Card donated by Crawford Associates, Iliana Wald won a YETI tumbler. Remember, raffles can happen at any meeting but you have to be in attendance to win a prize.

Project Discussions:

Daniel Rodriguez, Black & Veatch, talked about San Jose Yard Piping project he is working on with Derek Wurst. Bids are due on August 22.

Vern Phillips said that he is working on Pump Station Rehab project for West County San and asked if anyone had experience with Flygt Concertor pump that is has an internal VFD, and anti-ragging capabilities including running backward. Nobody had experience.

Next Meeting:

The next general meeting is scheduled for Tuesday, September 10, 2019. The topic is "Design Build for Linear Project," by Jennifer Glynn, Woodard Curran

Please call Nancy McWilliams at 707-455-4018 or email pugnorcal@gmail.com for additional information on this month's meeting minutes.