

SUPPORTING DOCUMENTATION

Instructor Bios

Patrick Huston, PE

Pat Huston is registered professional civil engineer in the State of California. Has broad experience in water, wastewater, and reclamation service areas, including treatment facilities, pump stations, storage reservoirs, and distribution systems. His current focus is on alternative delivery strategies for large infrastructure projects, such as design-build, GCCM, etc. His involvement in these areas has included project management, planning, analysis, design, construction and permit coordination. He serves as Kennedy Jenks' Water Environment Group Director.

Sam Yaghmaie, PE

Sam is a registered professional civil engineer in the State of Washington. Sam has over 30 years of industry experience to include: project management, construction management, claims support, mitigation assistance, value engineering, constructability review, geotechnical QA engineering, and construction materials quality assurance/quality control of many water and wastewater facilities and conveyance systems, transportation, transit, dams, tunnels, and multi-story buildings. He is a skilled value engineer and constructability reviewer and has provided design review services on dozens of multi-million dollar infrastructure projects.

Dana Devin-Clarke, PE

Dana is a registered professional civil engineer in the States of Washington and Oregon. She has over 12 years of experience in water quality and reuse research. Dana Devin-Clarke has more than ten years' experience as a project engineer in wastewater treatment and sewer conveyance systems. In this role, she has gained experience designing wastewater treatment plant processes including solids treatment processes, nonpotable water systems, chemical disinfection systems, and odor treatment systems. She has also led the design of sewer conveyance system rehabilitation upgrades for small and large diameter sewers. Dana is a graduate of the University of Washington where she received a double Master's in Science and Engineering. Her thesis work focused on the safety and benefits of producing and reusing wastewater residuals in particular biosolids and reclaimed water. She has continued her passion for working with biosolids by aiding utilities with resource recovery planning including biosolids and reclaimed reuse management plans.

Timeline

3 hours

Agenda

9:00 am **Alternative Delivery**

Presenter: Patrick Huston, PE
patrickhuston@kennedyjenks.com
165 South Union Boulevard
Suite 570
Lakewood, CO 80228-1828

10:00 am **Constructability Review and Value Engineering**

Presenter: Sam Yaghmaie, PE
samyaghmaie@kennedyjenks.com
1201 2nd Avenue
Suite 700
Seattle, Washington 98101

11:00 am **Risk Based/TBL Methods for Biosolids Process Selection**

Presenter: Dana Devin-Clarke
danadevinclarke@kennedyjenks.com
421 SW 6th Avenue
Suite 1000
Portland, OR 97204

Course Synopsis:

The workshop includes three hours of presentations on various water and wastewater related topics. The topics were chosen to provide content that is applicable and timely to water operators, designers, and other industry professionals. It begins a presentation on Alternative Delivery featuring content related to different delivery methods for infrastructure projects such as design-build, progressive design build, GCCM, etc. The second presentation gives an overview of the importance of constructability reviews and value engineering for providing the best value to owners. The third and final presentation provides attendees with methods for selecting project alternatives, specifically Triple Bottom Line, using a biosolids project as an example. The outcomes for each of the three presentations include increasing attendee's knowledge of critical infrastructure construction practices and alternatives selections for projects.

Tracking Attendance on Webinar:

The workshop will be moderated by Andrew Perez, PE (Kennedy Jenks) who will track participants and collect the necessary information needed for CEUs.