

Sustainability Presentation, August 30th, 2018, ASCE Phoenix Branch

The Phoenix Branch will be hosting presentations on sustainable infrastructure and land use on Thursday, August 30th, from 7am-10am in the Maricopa Conference Room at the Maricopa County Dept. of Transportation, 2901 West Durango Street, Phoenix. Presenters from the ASCE Phoenix Branch, the Institute for Sustainable Infrastructure, ADOT, City of Phoenix, and Arizona State University will speak. Register [HERE](#). Light breakfast refreshments will be provided. Presenters include:

Mike Naber, Arizona State Land Department, Ph.D., P.E., CSSGB, ENV SP, M.ASCE , ASCE
Phoenix Branch Sustainability Chair has 32 years of experience in water resources, environmental, and nuclear engineering. He has been at the ASLD since 2005. His work deals with infrastructure plans, reports, and cost assessments involving drainage, water, wastewater, dry utilities, and streets. His degrees are from Arizona State University and the University of Washington. He has taken ASCE sustainability courses, is a certified ENV SP since 2014, and is the current ASCE Phoenix Branch Sustainability Chair.



Mark W. Woodson, Woodson Engineering, P.E., RLS, ENV SP, D.WRE, F.ASCE, 2016 ASCE National President.
Mark served on the Boards of Engineers Without Borders-USA and the Institute for



Sustainable Infrastructure. Mark started Woodson Engineering in Flagstaff, Arizona specializing in building communities across the southwest. Mark's primary focus is consulting in Land Development, City Engineering and Public Works management. Prior to starting Woodson Engineering, Mark was the Flagstaff City Engineer. Mark was the ASCE National President in 2016.



Hannah Bleam, City of Phoenix, AICP, Village Planner – Central City & Encanto, Planning & Development Dept.



Hannah currently employs a sustainability passion as a Village Planner at the City of Phoenix. In this role, she is the liaison between Central City and Encanto Village Planning Committees, the public, developers, and the City regarding rezoning cases, text amendments, and general plan amendments. Hannah was also a Program Manager at the Sonoran Institute, where she collaborated with Western cities on long-term planning efforts to develop more resilient and sustainable communities. She earned her Master's degree in Community and Regional Planning from the University of Oregon.



Steven Olmsted, Arizona Department of Transportation, NEPA Assignment Manager, Environmental Planning, NEPA Assignment, Innovative Programs, Major Studies. Mr. Olmsted assists with delivering ADOT's \$1B annual construction program. He currently

manages programs for sustainable transportation, resilience, 2-D, 3-D, LiDAR design engineering integration, the USGS water modeling partnership, asset management, and assists FHWA with national State DOT innovation adoption. In addition, Steve has held several finance, budget and resource management positions at ADOT.



Mikhail Chester, Arizona State University, Ph.D., Associate Professor, Civil, Environmental, & Sustainable Engineering. Dr. Chester runs a research laboratory focused on studying the



resilience to climate change and sustainability of infrastructure systems. His work spans a number of infrastructure systems (including power, water, and transportation) and hazards (including heat, precipitation, and wildfires).



AGENDA

- REGISTRATION/CONTINENTAL BREAKFAST 7:00am – 7:15am
- WHAT'S NEW IN SUSTAINABILITY?
 - ASCE Sustainable Infrastructure Program (Mike Naber) 7:15am – 7:25am
 - Institute for Sustainable Infrastructure Program (Mark Woodson) 7:25am – 7:35am
- SUSTAINABLE INFRASTRUCTURE & LAND USE
 - Overview (Mike Naber) 7:35am – 7:55am
 - Sustainability Requirements in Comprehensive Plans, Zoning, Codes
 - Sustainable Infrastructure Assessment Analysis
 - Sustainable Infrastructure Scoring and Rating Systems
 - City of Phoenix Sustainable Land Use (Hannah Bream) 7:55am – 8:15am
 - Arizona Dept. of Transportation Sustainability Program (Steve Olmsted) 8:15am – 8:35am
 - BREAK 8:35am – 8:50am
 - Urban Resilience to Extremes Sustainability Research Network (Mike Chester) 8:50am – 9:10am
 - Envision Sustainable Infrastructure Rating System (Mark Woodson) 9:10am – 9:30am
 - Arizona & Applicable Sustainable Infrastructure Case Studies (Mike Naber) 9:30am – 9:50am
- CLOSING REMARKS/QUESTIONS 9:50am – 10:00am

Today's best engineers and professionals understand and apply sustainability practices and principles in the planning, design, and construction of infrastructure projects. These projects include transportation, stormwater management, water, wastewater, dry utilities, and other environmental facilities or systems. This presentation will consist of a series of briefings highlighting sustainability and the tools to minimize unsustainable infrastructure, showcase practices that can be applied in Arizona, and provide resources for more detailed best practices. Some key benefits of incorporating sustainability into your projects no matter what their size are: lowering the project's life cycle cost; improving the social, economic, and environmental conditions onsite and in the community; enhancing your resume to add to a scope of work; and providing value to the owner of the land development or infrastructure project based on sound decisions.

The registration cost is \$20 for ASCE members and \$25 for non-members. Registration includes a continental breakfast. Register [HERE](#). For more information, contact Michael Naber, PB Sustainability Chair, at mnaber@azland.gov or 602-542-0448. Professional Development Hours (PDH) will be available upon request.