Water, Environment, and Energy Track
Afternoon Sessions - Program

Sponsored by GHD
# AGENDA

## WATER SUPPLY AND FLOOD RISK MANAGEMENT IN CALIFORNIA

**MODERATOR: ANNE LYNCH, GHD**

<table>
<thead>
<tr>
<th>Speaker</th>
<th>Time</th>
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<tbody>
<tr>
<td>Randall Neudeck, Program Manager</td>
<td>1:30PM</td>
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<tr>
<td>Col. James Handura, District Commander</td>
<td>1:50PM</td>
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<tr>
<td>John Yarbrough, Assistant Deputy Director</td>
<td>2:10PM</td>
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<tr>
<td>Gary Bardini, Director of Planning</td>
<td>2:30PM</td>
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### BREAK

2:50PM – 3:00 PM

## SOLUTIONS TO CALIFORNIA’S WATER AND ENERGY CHALLENGES

**MODERATOR: ANNE LYNCH, GHD**

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<tr>
<th>Speaker</th>
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<tbody>
<tr>
<td>Tony J. Montano, Manager of Facilities Maintenance and Construction</td>
<td>3:00PM</td>
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<tr>
<td>John Andrew, Assistant Deputy Director</td>
<td>3:20PM</td>
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<tr>
<td>Felicia Marcus, Former Chair</td>
<td>3:40PM</td>
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### BREAK

4:00PM – 4:10PM
## SUSTAINABLE SURFACE AND GROUNDWATER SOLUTIONS

**MODERATOR: ANNE LYNCH, GHD**

<table>
<thead>
<tr>
<th>Speaker</th>
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<tbody>
<tr>
<td>Dan Lafferty, Deputy Director, Los Angeles County Dept of Public Works (LADPW)</td>
<td>4:10PM</td>
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<tr>
<td><em>Sustainability - A Southern California Public Works Perspective</em></td>
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<tr>
<td>Persephene St. Charles, National Practice Leader-Water Resources, Woodard &amp; Curran</td>
<td>4:30PM</td>
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<tr>
<td><em>Recent Trends in Integrated Water Planning</em></td>
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<tr>
<td>Sarah Mouakkad, Civil Engineer, Los Angeles Department of Water and Power (LADWP)</td>
<td>4:50PM</td>
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<td><em>Operation NEXT Water Supply Program</em></td>
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<tr>
<td>Mike McCullough, Director of External Affairs, Monterey One Water</td>
<td>5:10PM</td>
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<tr>
<td><em>Pure Water Monterey Advanced Water Recycling Project</em></td>
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SPEAKER BIOS

Moderator:

ANNE LYNCH leads GHD’s Water West Integrated Water Management (IWM) Business Group and is the North American Service Line Lead for IWM. Anne is a registered California Civil Engineer with a B.A. degree in Philosophy from the University of Oklahoma and B.S. in Civil Engineering from Auburn University. She is a leader in managing complex project teams to meet tight deadlines, as well as managing projects where coordination and approval is required from local, state, and federal agencies. Anne has experience working with water management agencies in all 58 counties in California, including diverse experience in flood, water resources, and integrated water management. She has focused on all aspects of water resources engineering and planning ranging flood, stormwater, and groundwater management to water reuse, brine management, as well as project investment and funding strategies.

Speakers:

Randall Neudeck is a program manager for the Metropolitan Water District of Southern California. He represents Metropolitan on water supply, water quality and environmental issues related to Southern California’s imported water supply from the San Francisco Bay-Delta watershed. Prior to joining Metropolitan, he worked for the US Geological Survey, Teichert Construction, and the City of Los Angeles Department of Water and Power. Randall holds a master’s degree in civil engineering and is a registered professional engineer. He has been on the Board of Directors of the Valley Industry and Commerce Association, Granada Hills Chamber of Commerce, Valley Vote, Granada Hills South Neighborhood Council and numerous other business and community organizations. Randall and his family reside in Granada Hills, California.
Colonel James Handura assumed command of the Sacramento District Engineer in July 2019. He commands an organization of 1,100 engineers, scientists and support staff working in all or parts of eight western states.

Col. Handura received his commission in the U.S. Army Corps of Engineers in May 1996. Col. Handura’s military awards and decorations include the Bronze Star Medal, the Defense Meritorious Service Medal, the Meritorious Service Medal, Army Commendation Medal, Army Achievement Medal, Ranger Tab, Sapper Tab, Parachutist Badge, Air Assault Badge, and the Joint Staff Identification Badge.

Col. Handura’s civilian education includes a Bachelor’s of Science in Geology from Austin Peay State University, a Master’s of Science in Geology and Geophysics from the University of Missouri-Rolla, a Master’s Degree in Military Art and Science from the U.S. Army Command and General Staff College, and a Master’s Degree in Strategic Studies from the U.S. Army War College. His military education includes the Engineer Officer Basic and Advanced courses, the Combined Arms and Services Staff School, the Army Command and General Staff College, the School of Advanced Military Studies, the Joint and Combined Warfighting School, and the U.S. Army War College.

John Yarbrough is the Assistant Deputy Director for the State Water Project at the California Department of Water Resources (DWR). John has worked in a variety of roles during his 21 years with DWR in areas including dam safety, civil design, as well as power and electric transmission. John is the co-chair of the public Ad Hoc group who is participating in the Oroville Dam Safety-Comprehensive Needs Assessment. John has a BS in civil engineering from UC Davis, an MS in civil engineering from CSU Sacramento, and an MBA from UC Davis. John is a licensed civil engineer.

Gary Bardini has been the Director of Planning for the Sacramento Flood Control Agency since September 2017 with more than 33 years of public service with the State of California and the Sacramento area providing strategic planning, policy development and engineering services to promote integrated and sustainable management of the state’s water resources. At SAFCA he directs the formulation, refinement, coordination and policy administration for SAFCA’s strategic and project-level planning initiatives. Prior to working for SACFA, he served as the Integrated Water Management Deputy Director for the California Department of Water Resources from 2011 to 2017. A graduate of the California Polytechnic State University at San Luis Obispo, Bardini received a Bachelor of Science degree in Civil Engineering.
Tony J. Montano joined EBMUD in 2002, working in the Design and Regulatory Compliance Divisions, and most recently as the Manager of Facilities Maintenance and Construction. He has managed many infrastructure projects including the Pumping Plant Rehabilitation, Upcountry Wastewater Improvements, and Centralized Security System Upgrades, and has led the District’s Reliability Centered Maintenance projects. Tony has a Bachelor Degree in Electrical Engineering and a Certificate in Project Management and is a registered Electrical Engineer in the State of California.

John Andrew is Assistant Deputy Director of the California Department of Water Resources (DWR), where since 2006 he has overseen DWR’s climate change activities and is the Department’s representative to the Governor’s Climate Action Team. Andrew served as an Associate Editor of California’s Fourth Climate Change Assessment (2018), and was a contributing author of its statewide assessment report. At DWR, John supervised the preparation of the Department’s Climate Action Plan (2012) and led the development of its sustainability policy (2009). He also served as the water sector lead for the first California Climate Adaptation Strategy (2009) (now the Safeguarding California Plan) and the State’s first Cap & Trade Investment Plan (2013). In 2017, Secretary for Natural Resources John Laird appointed Andrew to the State’s Climate-Safe Infrastructure Working Group (AB 2800), whose report was published in September 2018.

Mr. Andrew has over 30 years of experience in water resources and environmental engineering and is a licensed Civil Engineer in the state of California. He holds degrees in civil engineering and public policy from the University of California at Berkeley. From 2003-04, he served as president of the Berkeley Engineering Alumni Society.

Felicia Marcus is the William C. Landreth Visiting Fellow at Stanford University’s Water in the West Program and an attorney and consultant. Most recently she served as a Member and Chair of the State Water Resources Control Board (Board) for the State of California, appointed by Governor Jerry Brown. During Marcus’ tenure the Board tackled a wide range of challenges including dealing with the worst drought in modern history, leading efforts to elevate water conservation, water recycling, and stormwater capture to a much higher level, consolidating the drinking water and clean water functions, achieving an historic groundwater management framework for the state, greater focus on Salton Sea restoration and other special places, and balancing agricultural, ecological, and urban interests in the contentious San Francisco Bay-Delta. Before her appointment to the Water Board, Marcus served in positions in
government, the non-profit world, and the private sector. Felicia headed Los Angeles Department of Public Works at a time when the department went from garnering lawsuits to garnering national and international awards for environmental initiatives and performance. In the non-profit world, she was the Western Director for the Natural Resources Defense Council, and was the Executive VP/COO of the Trust for Public Land. She also was a private and non-profit sector attorney in Los Angeles. She is also currently an Obama Administration appointee to the Commission on Environmental Cooperation-Joint Public Advisory Council (US, Mexico, Canada) and was a Schwarzenegger Administration appointee to the Delta Stewardship Council prior to being appointed to the Water Board.

She earned her JD in 1983 from New York University and her AB cum laude from Harvard College in East Asian Studies in 1977. She is admitted to the California bar.

Dan Lafferty has over 30 years of public service experience working for Los Angeles County Public Works. He has served in a variety of positions during his career, nearly all within Public Works’ Water Resources Core Service Area where he currently serves as the Deputy Director. Dan is responsible for managing the Los Angeles County Flood Control District, stormwater quality compliance efforts within the County unincorporated areas, and the Los Angeles County Waterworks Districts.

Dan has a Bachelor of Science degree in Civil Engineering from Marquette University and a Juris Doctor degree from Loyola Law School. He is a registered Professional Engineer in the State of California and a member of the California Bar.
Persephene St. Charles is Woodard & Curran’s Water Resources National Practice Leader. She specializes in local and regional integrated planning, having worked with over a hundred agencies and groups on collaborative planning processes that leverage data, dollars and directives. Persephene has two degrees in geography which have facilitated her 20+ year navigation of the world of engineering in pursuit of multi-benefit solutions that increase supply sustainability and protect water quality, while enhancing our communities and the environment. Having been born in San Francisco, educated in Davis, and living in Los Angeles, Persephene is an enthusiastic, yet unbiased, participant in California’s water story.

Sarah Mouakkad is a Civil Engineering Associate in the Water Resources Division of the City of Los Angeles Department of Water and Power (LADWP). She has a Bachelor’s degree in Civil & Environmental Engineering and a Master’s degree in Water Resources Engineering. Her work involves planning local water supply projects, water rights protection, groundwater management, and inter-agency coordination. She has been working on Operation NEXT, the City of LA’s initiative to reuse 100% of wastewater, for over two years, developing the Program from concept to fruition.

Mike McCullough is currently the Director of External Affairs for the Monterey One Water. He has worked on various components of the Pure Monterey Groundwater Replenishment Project over the past 8 years. Mike completed a Master's in Public Administration from San Diego State University. He also has a Master’s from Oklahoma State University and a Bachelor’s degree and Cal-Poly Pomona.

Track Chair:

Darren Mack is a Vice President and Chief Geotechnical Engineer with Gannett Fleming and has over 23 years of professional engineering experience. He has worked in Water Resources for the last 15 years with experience in evaluation, design, and rehabilitation of dams, levees, hydraulic structures, hydropower facilities and rehabilitation, and geotechnical investigation. In addition, he has provided facility evaluation and programmatic input to clients’ Asset Management and Capital Improvement planning programs. He has a Bachelor’s Degree in Civil Engineering from UC Davis and a Master’s Degree in Geotechnical Engineering from UC Berkeley.
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