



# Clean Waters Initiative: Green Infrastructure and Stormwater Management Agenda

February 23, 2024





Houston-Galveston  
Area Council

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### A G E N D A

**12:30 p.m. Sign-in and Refreshments**

**1:00 p.m. Welcome and Event Kick-off**

**Justin Bower**

Director, Community and Environmental Planning – Houston-Galveston Area Council

**1:05 p.m. Green Infrastructure Overview**

**Steven Johnston**

Principal Planner, Houston-Galveston Area Council

**1:20 p.m. Low Impact Development (LID) Construction and Performance Evaluation in the City of Houston – Phase II**

**Ryan Bare, Ph.D., CAPM**

Research Scientist and Nature Based-Solutions Program Manager, Houston Advanced Research Center

**1:35 p.m. Floating Treatment Wetlands: A pilot-study and large-scale field trial of the stormwater treatment potential in urban catchments in a subtropical environment**

**Kaylei Chau**

Research Associate, Environmental Institute of Houston, University of Houston-Clear Lake



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**2:05 p.m.      Green Infrastructure Efficacy Project**  
**Steven Johnston**  
**Principal Planner, Houston-Galveston Area Council**

**2:35 p.m.      Sustainable Solutions: Learnings from Navigating the Green Infrastructure/Low Impact Development Landscape**  
**Isham Khan**  
**Director of Product Management, Stormwater Products, Greenrise Technologies**

**3:05 p.m.      Breakout Tables**

**3:30 p.m.      Wrap-up and Adjourn**

### NOTES

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### TODAY'S PRESENTERS



#### **Justin Bower**

Justin Bower has over 20 years of experience in leading natural resource management and urban planning efforts for a variety of local government and non-governmental organizations.

For the past 14 years, Mr. Bower has served the Houston-Galveston Area Council in its focus on enhancing community resilience, most currently serving as H-GAC's Director of Community and Environmental Planning, overseeing the agency's natural resources, urban planning, disaster resilience, public safety, and conservation programs.

Mr. Bower has an educational background in environmental science and urban planning, including a master's degree in urban planning and public policy from the University of Delaware.



#### **Steven Johnston**

Steven Johnston is a Principal Planner with the Community and Environmental Department at the Houston-Galveston Area Council. He has spent the past 10 years working with the region's stakeholders developing Total Maximum Daily Load studies and executing implementation plans to address the region's water quality impairments. He works as a project manager and stakeholder facilitator.

Prior to joining H-GAC, Mr. Johnston spent 12 years working as a project coordinator for the Texas Commission on Environmental Quality's Galveston Bay Estuary Program, implementing the Galveston Bay Plan's Monitoring and Research and Water and Sediment Quality action plans.

Mr. Johnston received his Bachelor of Science in Environmental Science/Biology from the University of Houston at Clear Lake.



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### **Ryan Bare, Ph.D., CAPM**

Dr. Ryan Bare is a Senior Research Scientist specializing in Watershed Ecology and the Nature-Based Solutions Program Manager at Houston Area Research Center (HARC). Dr. Bare applies his expertise in hydrology, ecology, and natural and water resource management to conduct applied research focused on social and environmental challenges across coastal and inland watersheds.

Dr. Bare earned a Doctorate in Water Management and Hydrological Science from Texas A&M University's College of Agricultural and Life Sciences.



### **Kaylei Diane Chau**

Kaylei Chau is a Research Associate for the Environmental Institute of Houston at the University of Houston – Clear Lake. Ms. Chau is currently in her last semester of graduate school to obtain her M.S. in Environmental Science with a specialization in biology at the University of Houston – Clear Lake where she has been studying the effects of Floating Treatment Wetlands in urban catchments for her thesis project. Her other research interests and experience include water resource monitoring and management, wetland ecology, and environmental toxicology.



### **Isham Khan**

Isham Khan (call him “Ish”) is the Director of Product Management for Greenrise Technologies (who recently acquired Construction EcoServices). Mr. Khan has almost two decades of experience in the construction product industry, from designing stormwater quality units, underground detention systems, and modular bridges to technical sales, product development, and product management.

Mr. Khan has a Bachelor of Science in Bioengineering from The University of Maryland. He spends far too much time with his two dogs, Fennel and Chadwick, and knows more than he should about wine.



This GI Efficacy project is funded by the Galveston Bay Estuary Program, a program of the Texas Commission on Environmental Quality and the Clean Waters Initiative workshop series is supported in part by the Texas Commission on Environmental Quality



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