

Appendix 3: Additional Team Biographies

Maryland National Capital Region One Water Cycle Decarbonization and GHG Reduction CPRG Implementation Grant Application Washington Suburban Sanitary Commission (WSSC Water)

Section 6.c. of the grant application narrative demonstrates how WSSC Water has the workforce and contractor support to guarantee that we will have access to the best human capital to develop the measures/projects presented in this grant application. Spearheading the **Maryland National Capital Region One Water Cycle Decarbonization and GHG Reduction** initiative will be Robert Taylor P.E., C.E.M. and his biographical sketch is included in the application narrative. Mr. Taylor will be supported by Diane McGahagan, C.E.M. and Dr. Caroline Nguyen, P.E. in managing the development and execution of the measures/projects in this application. Their biographical sketches are presented below. Behind them is a robust and capable organization with highly skilled technical divisions and individuals as demonstrated by the organizational charts included at the end of this appendix.

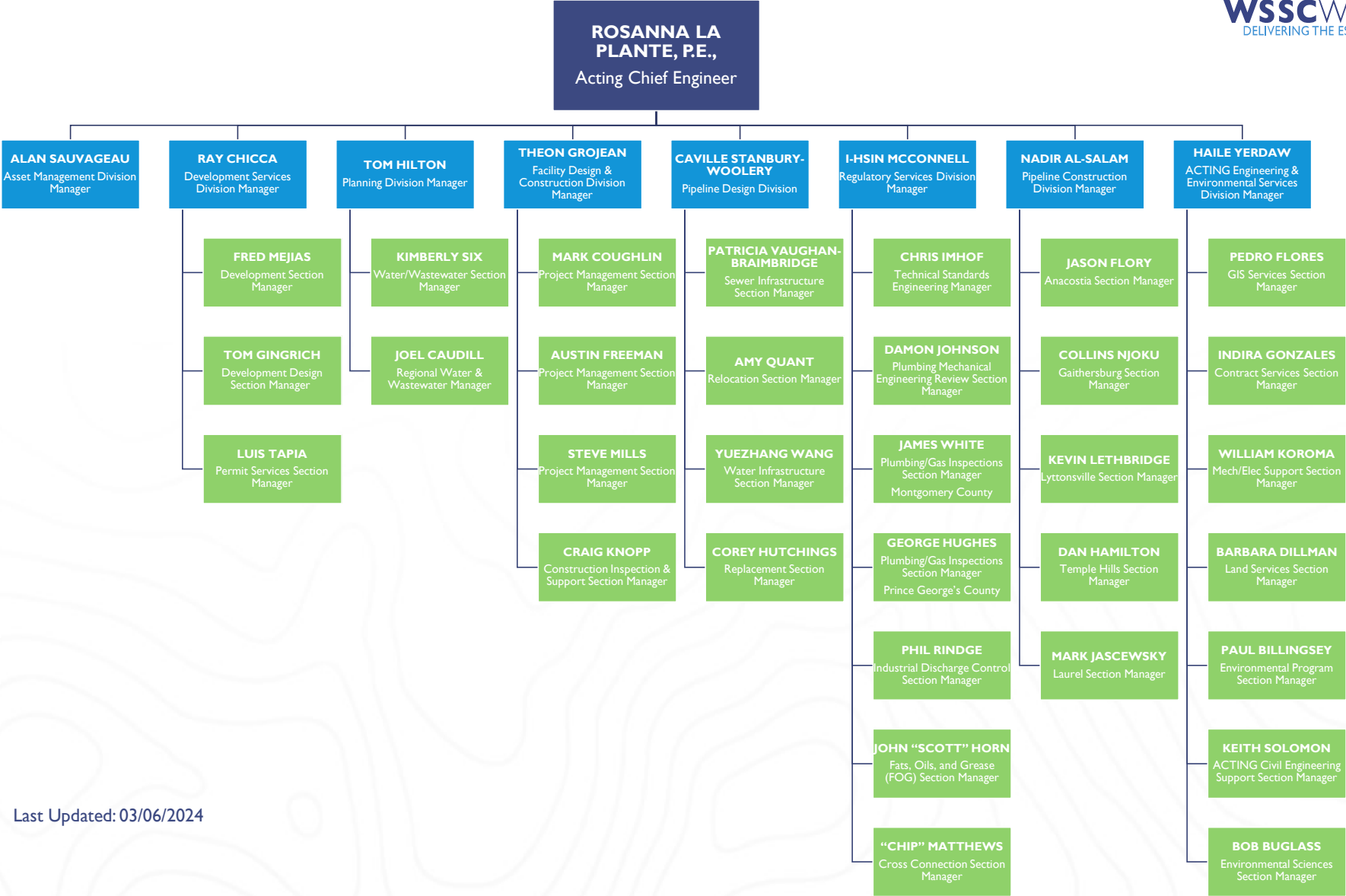
Diane McGahagan, , C.E.M.

Diane McGahagan, C.E.M. has been an Energy Manager for the WSSC Water (WSSC) since 2013. following a lengthy electric power industry career including power plant thermal performance and maintenance engineering. Ms. McGahagan is part of the team responsible for managing WSSC's \$28 million annual energy budget by optimizing supply and demand side energy strategies, including upgrading inefficient equipment, load shifting, renewable energy, distributed generation, and financial hedging in a real-time wholesale electricity and natural gas market. Ms. McGahagan is co-author of the April 22, 2013, Volume 38, Issue 22 International Journal of Hydrogen Energy Publication "Design of a Combined Heat, Hydrogen and Power Plant from University Campus Waste Streams". She holds a B.S. in Mechanical Engineering and a Master of Engineering, Sustainable Energy from University of Maryland, College Park, and a Master's in Business Administration from University of Baltimore. She is a Certified Energy Manager (CEM).

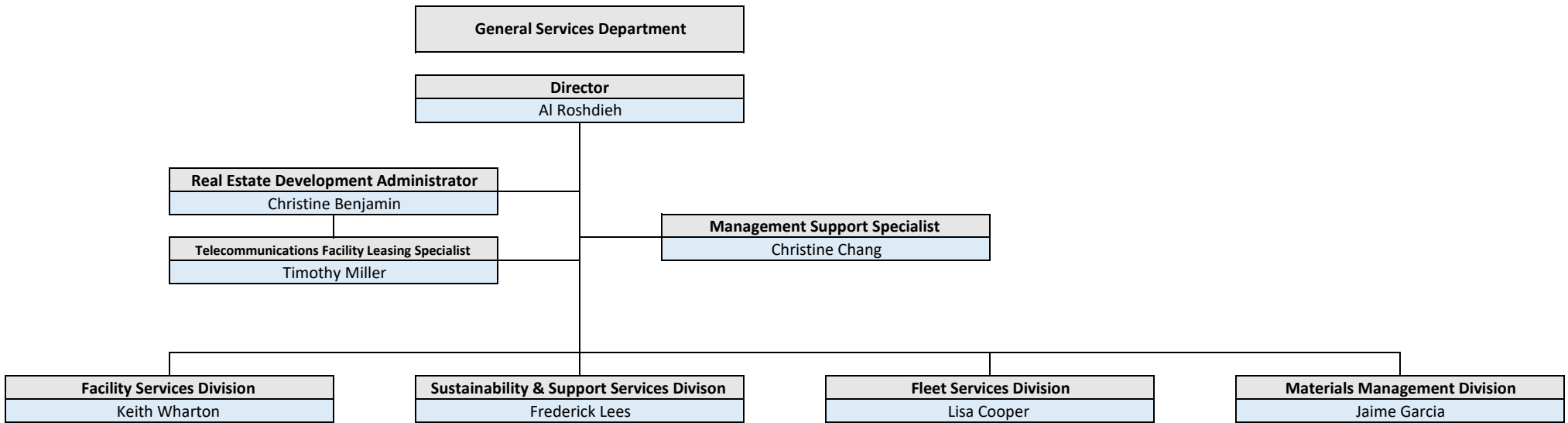
Dr. Caroline Nguyen, P.E.

Dr. Caroline Nguyen, P.E., Principal Scientist at WSSC Water, boasts over two decades of experience in water and wastewater research, operations, and contracting. With a proven track record in securing and executing competitive grants from prestigious institutions like the Department of Energy, National Science Foundation and the Water Research Foundation, Dr. Nguyen drives innovation in resource recovery and cost reduction within sustainable water management. Her strategic partnerships with leading universities and industry experts have facilitated groundbreaking initiatives, including her acclaimed work in advanced aeration, recognized with a Water Environment Federation Project Excellence Award in 2022. Holding a Bachelor of Science in Environmental Engineering from NC State University, along with Master's and Doctoral degrees from Virginia Tech, Dr. Nguyen's expertise and accomplishments make her an invaluable asset in successfully implementing the projects and achieving impactful outcomes.

Engineering & Construction Dept.



Last Updated: 03/06/2024



As of 11/19/2019

