

Student Design Competition Historical Information

WEFTEC YEAR	Sponsors	Award & Category	Place	TEAM	MA	TEAM MEMBERS	ADVISOR	PROJECT TITLE
2024	Arcadis, Black & Veatch, CDM Smith, GHD, Tetra Tech, Gannett Flemming TranSystems	2,500 Water Environment	1st	University of Florida	Florida WEA	Rita Hippe, Katherine Palmer, Bianca Piñeros, Olivia Bergmann	John Sansalone, PhD	From Desert to Development: Innovating Wastewater Solutions for Eldorado Valley
2024		1,250 Water Environment	2nd	University of British Columbia, Vancouver	British Columbia WEA	Elizabeth Liu, Nicolas Cho, Harshvardhan Shaw, Claire Merchant	Madjid Mohseni, PhD, P Eng	TDS Reduction Project
2024		1,250 Water Environment	2nd	Loyola University	Illinois WEA	Sydney Marz, Hewane Melkie, Katrina Ziemniak	Maryam Amouamouha, PhD	Conservation Leadership Center Rainwater Capture and Reuse
2024		1,000 Water Environment	3rd	University of California, Riverside	California WEA	Jessica Verduzco, Genivee Gast, Brenda Blanco	Amanda Rupiper, Ph.D, PE	EPA P3
2024		2,500 Wastewater	1st	North Carolina State University	NC One Water	Andie Toney, Shannon Roock, David Broud	Francis de los Reyes, PhD	Rehabilitation and Upgrades of the Triangle Wastewater Treatment Plant
2024		1,500 Wastewater	2nd	Univeristy of South Florida	Florida WEA	Deven Brown, Aleyda Matamoros, Natasha Truong	Sarina Ergas, PhD	Falkenburg Advanced Wastewater Treatment Facility Process Intensification
2024		1,000 Wastewater	3rd	Univeristy of Colorado, Boulder	Rocky Mountain WEA	Caroline McClung, Tess Insalaco, Grace Lee, Bonnie Brudie, Joaquin Garfias	Ben Stanford, PhD	Optimizing Stormwater Clarification Systems With AI for Nutrient Reduction
2024		750 Wastewater	4th	Washington University in St. Louis	Missouri WEA	Sean Hwang, April Rao, Ariel Richards, Jiasi Sun	Zhen (Jason) He, PhD	Efficient Membrane-Assisted Biogas Upgrading for Wastewater Treatment
2024		Water Environment		Georgia Institute of Technology	Georgia Association of Water Professionals	Molly Booker, Lauren Horst, Dhanya Ravikrishnan	Sharon Just, PE	Finding the Flint Headwaters Nature Preserve
2024		Water Environment		Illinois Institute of Technology	Central States WEA	Francis Gilleece, Ryan Griepentrog, Mathis Lucet, Judith Rackow, Constantine Giattina	David Lampert, Ph.D	CASM (Chatham Area Stormwater Managment)
2024		Water Environment		Johns Hopkins University	Chesapeake WEA	Ciara Darden, Maria Vabson, Mikayla Bechtel, Melina Krawchick	Ciaran Harman, Ph.D	Shellfish for Nutrient Mitigation Near Baltimore's Wastewater Treatment Plants
2024		Water Environment		Northeastern University	New England WEA	Emily Heneghan, Maria Jose Galvan Murillo, Nicholas Benavides, Rotem Leshed	Annalisa Onnis-Hayden, Ph.D	Green Infrastructure in the City of Boston
2024		Water Environment		Old Dominion University	Virginia WEA	Colton Tomsic, David Kibbie, Shannon Earl, Brian Seitz	Gary Schafran, PhD	Mohawk Valley Stream Restoration Project
2024		Water Environment		State University of New York ESF	New York WEA	Lauren Henkler, Annie Roux, Karrigan Ellison, Emma Skibinski, Molly Brown	Doug Daley, PE	Lakeside Campground Wastewater Treatment Design
2024		Water Environment		Texas Tech University	WEA of Texas	Maxwell Houseal, Christopher Kerolos	Kayleigh Millerick, Ph.D	Pecan Creek Water Reclamation Plant Imprpovement & Expansion Project
2024		Water Environment		Toronto Metropolitan University	WEA of Ontario	Trestan Elsea, Mona Hafez, Sara Afshar	Darko Joksimovic, Ph.D MaSc PEng	Wastewater Treatment System for Horquetas, Sarapiquí, Costa Rica
2024		Water Environment		University of Notre Dame	Indiana WEA	Andrea Reisinger, Patrick Murray, Brooke Wilkinson	Robert Nerenberg	Lake Kilby Reservoir System Water Quality Improvement Plan
2024		Water Environment		University of Tennessee, Knoxville	Clean Water Professionals of KY & TN	Isabelle Hamby, Ashlyn Celichowski, Elizabeth Morgan	Jennifer Retherford, PhD, PE	Automated Intake Valve Control Systems for Rural Community Water System
2024		Wastewater		Carnegie Mellon University	Pennsylvania WEA	Hairong Wang, Nora Awad, Kewei Zhou, Chengyi Hong	Joe Moore	MSANK WWTP Nitrogen Removal Retrofit Project
2024		Wastewater		Case Western Reserve University	Ohio WEA	Zul Kazeem, Violet Huang, Adriana Navarro Garriazo	Kurt Rhoads, PhD, PE	Enhancing Biosolids Production at PQM Plant
2024		Wastewater		George Mason University	Virginia WEA	Jack Tigani, Sebastian Galarza, Gabby Wade, Angela Haines-Perez	Matthew Doyle, PE, CCM	Aeration System Upgrade Massaponax Wastewater Treatment Plant
2024		Wastewater		Georgia Institute of Technology	Georgia Association of Water Professionals	Desirae Sievers, Lauren Jackson, Zelda Siegel, Shruti Sarkar	Sharon Just, PE	Mississippi Phosphates Superfund Leachate Treatment
2024		Wastewater		Instituto Tecnológico de Costa Rica	Central States WEA	Juan Andrés Trejos Calvo, Marianela Leiva Camacho, Luis Eduardo Muñoz Solorzano, Jeikell Vargas Maroto	Mauricio Chicas Romero, BEng, MSc	Design of the centralized wastewater collection system and WRRF for the community of Horquetas in Sarapiquí, Costa Rica
2024		Wastewater		Marquette University	Central States WEA	Jessica Calteux, David Zeller, Keagan Morgan, Zachary Molczyk	Daniel Zitomer, PhD, PE, BCEE, F. WEF	Novel Pyrolysis of Municipal Wastewater Solids for Energy and Biochar
2024		Wastewater		Northeastern University	New England WEA	Stella Klingebiel	Courtney Pfluger, PhD	Biosolids Processing Upgrades at East End Facility in Portland, Maine
2024		Wastewater		State University of New York at Buffalo	New York WEA	Sumaiya Chowdhury, Jack Masters, Ricky Denson, Chris Ulics, Shea Lape	Ning Dai, Ph.D	Highpoint Pond Retrofit
2024		Wastewater		Universidad de Costa Rica	Central States WEA	Ariel Mateo Mesen Cabezas, Monica Isabel Aguero Sanchez, Priscilla Alejandra Gallo Gutierrez	Vidal Rivera, M.sc	Triple-Prong Rainfall and Runoff Management Design
2024		Wastewater		University of California, Riverside	California WEA	Jessica Verduzco, Genivee Gast, Brenda Blanco	Amanda Rupiper, Ph.D, PE	Western Riverside County Regional Wastewater Authority TDS Reduction Act
2024		Wastewater		University of Nevada, Las Vegas	Nevada WEA	Abdullah Yusufzai, Ahmadreza Khatamgooya, Gabson Baguma, Sayeda Kamrun Nahar	Eakalak Khan, Ph.D, PE	South Bend Drinking Water Treatment Plant Media Replacement
2024		Wastewater		Utah State University	WEA of Utah	Leonelli, Sarah Miller, Donald Olsen, Jerron Stead, Jessica Watkins	Austen Ball, PE	Wastewater Treatment for the Little Mountain Service Area

2023	WEF Design Competition Historical Information Arcadis, Black & Veatch, CDM Smith, GHD, Tetra Tech, Vaughan	2,500 Water Environment	1st	Georgia Institute of Technology	Georgia Association of Water Professionals	Makaela Edmonds, Lucy Bricker, Olivia Verret, Isabella Hernandez	Sharon Just, PE	Green Stormwater Infrastructure Retrofit Design for Duluth Middle School
2023		1,500 Water Environment	2nd	Utah State University	Utah WEA	Parker Price, Ross Allen, Donald Olsen, Matt Farley, Abby Johnson, Abby Englund	Austin Ball, SE	PFAS Removal at the East Canyon Water Reclamation Facility
2023		1,000 Water Environment	3rd	State University of New York ESF	New York WEA	Jack Murtagh, Lauren Henkler, Thomas Nightengale, Annie Roux, Daniel Mack	Doug Daley, PE	Sequoit Creek Dam Removal
2023		750 Water Environment	4th	University of South Florida	Florida WEA	Adele Howard, Olta Tarko, Daniela Montoya, Fabricio Escobar	Maurici E. Arias, PhD, PE	Increasing Visitor Access: Flood Mitigation Alternatives for Dell Holmes Park Parking Lot
2023		2,500 Wastewater	1st	Texas Tech University	WEA of Texas	Leah McDonald, Brennan Riley, Elizabeth Routon, Kieran Atkin, Mathew Rotman	Clifford Felder, PhD, PE	Austin Water Walnut Creek WWTP and Hornsby Bend Biosolids Management Plant Improvements and Expansion
2023		1,500 Wastewater	2nd	University of Guelph	WEA of Ontario	Jeffrey Stevens, Kelly Ward, Daniel O'Connell, Victoria Lucas	Bassim Abbassi, PhD, P Eng	Optimization of Side Stream Treatment at the Mid-Halton WWTP
2023		1,000 Wastewater	3rd	Universidad de Costa Rica	Central States WEA	Madison Arce Jiménez, Alejandro Rodríguez Vargas, Mauricio Alpizar Murillo, Sofia Abarca Rodríguez	Eric Centeno, PhD	Wastewater Recovery And Treatment Center For Bijagua, Costa Rica
2023		750 Wastewater	4th	North Carolina State University	NC One Water	Sydney Crisanti, Mitch Edney, Elizabeth Bates, Hailee Sicknick	Francis de los Reyes, PhD	Manchester Creek Wastewater Treatment Plant Biosolids Infrastructure Expansion
2023		Water Environment		Univeristy of Biritsh Columbia	British Columbia WEA	Victor Pham, Kate Alexander, Mark Peralta, Atoussa Farboud, Waverly Seattle, Christopher Tang	Madjid Mohseni, PhD, P Eng	Treatment System for Leachate Management at Glenmore Landfill: Sulphate & Sulphide Removal alongside a PFAS Pilot System
2023		Water Environment		California State Polytechnic University, Pomona	California WEA	Oliver Reynolds, Paula Morales, Amparo Medina, Christie Jolie Carino	Dr. Monica Palomo, PhD, PE, BCEE	Environmental Remediation of Surface Water Bodies in California
2023		Water Environment		Johns Jopkins University	Chesapeake WEA	DorothyThompson Ashley Choy, Kevin Sommer, Elmer Hernandez	Ciaran Harman, PhD	Coastal and Climate Resilience Alternatives Assessment for Culvert Crossings: Aberdeen Proving Ground
2023		Water Environment		University of Wisconsin, Madison	Central States WEA	Megan Beaulieu, Anna Cardinal, Joshua Nemser-Sher, Emily Strand	Miles Tryon-Petith, MS	Koshkonong Creek Watershed Flood Control and Recreational Lake Project
2023		Water Environment		Illinois Institute of Technology	Illinois WEA	Kyra Kucirka, Ryan Clemens, Brian Bustos	David Lambert, PhD	PFAS Management within Fox River Water Reclamation District West Plant
2023		Water Environment		University of Tennessee, Knoxville	Clean Water Professionals of KY & TN	Violet Boss, Cydney Kirby	Jennifer Retherford, PhD	Mobile Water Testing Strategies for Rural Panama
2023		Water Environment		Northeastern University	New England WEA	Katie Moloney, Anna LeClair, Shannon Butler, Geonho (Justin) Seo	Annalisa Onnis-Hayden, P	Small Solutions for Big Pollution: Bench-scale Bioremediation of 1,4-Dioxane Contaminated Groundwater
		Water Environment		Northeastern University	New England WEA	Christopher Perron, Isabella D'Ascoli, Alexandre Renaud, Christopher Merrikin	Annalisa Onnis-Hayden, P	Rosie's Commons: Design for a Sustainable Mixed-Use Land Development in the City of Salem, MA
2023		Water Environment		Old Dominion University	Virginia WEA	Austin Biter, Joseph Wooten	Mujde Erten-Unal, PhD	Aberdeen Gardens Watershed Study and Flood Mitigation
2023		Wastewater		University of California, Riverside	California WEA	Megan Woodall, Cassandra Vargas, Allison Reddick, April Grahn, Kennedy Lincoln	Amanda Rupiper, PhD	Electrodialysis Reversal for Total Dissolved Solids Removal in Wastewater
2023		Wastewater		Milwaukee School of Engineering	Central States WEA	Molly Stewart	William Krill, PE	Analysis of Biosolids Management Options at South Shore Water Reclamation Facility
2023		Wastewater		Univeristy of Florida	Florida WEA	Hunter Kaminski, Savanna Gualtieri, Hayden McCandless, Manas Chaturvedi, Nevin Shah, Jackson Partlow, Nicole Mallen	John Sansalone, PhD, PE	Rapid Co-Digestion of Novel Feedstocks: Closing the Organic Waste Loop for Municipalities
2023		Wastewater		Iowa State University	Iowa WEA	Jacob Dunn, Daria, Dilparic, Revanth Mamidala, Lois Arku, Oluwatuyi Olowoyeye, Edson Lopez	Say Kee Ong, PhD	Implementing Nutrient Reduction in a Rural Iowa Treatment Plant
2023		Wastewater		Washington University at St. Louis	Missouri WEA	Kaichao Yang, Shruti Kadam, Daran Anand	Zhen (Jason) He, PhD	Biogas Upgrading Design for Anaerobic Digestion Systems in Missouri
2023		Wastewater		University of Nevada, Las Vegas	Nevada WEA	Shams Razzak Rothee, Gabson Baguma, Savanna Vacek, Hamed Heidari, Ashiqur Rahman, Abdullah Yusufzai	Eakalak Khan, PhD, PE	Southern Nevada Supplemental Airport Wastewater Conveyance and Management Project
2023		Wastewater		Manhattan College	New York WEA	Sofia Rivera, Vincent Carway, Christopher Farrington, Gianna Gervino, Patrick Gaudet, Frederico Cipriani, Antonio Argudo	Jeanette Brown, PhD	Newtown Creek WRRF Odor Control
2023		Wastewater		Carnegie Mellon University	Pennsylvania WEA	Labdhi Kagdi, Megan Johnston, Victoria Kurker, Fiza Jalees	Joe Moore, PhD	Optimizing F/M Ratio in Wastewater Treatment Plants: Developing Adaptive Strategies to Manage Sludge, Substrate, and Treatment Efficiency
2023		Wastewater		University of Colorado, Boulder	Rocky Mountain WEA	Anna Bolio, Sam Prestidge, Orion Wilson, Forrest Kunz, Whitney Knopp, Kate, Linnane	William Becker, PhD, PE, BCEE	Nutrient Removal for Copper Mountain Consolidated Metropolitan District
2023		Wastewater		Old Dominion University	Virginia WEA	David Kibbie, Ujjwal Pokharel, Francis Robinson, Madison Millspaugh	Gary Schafran, PhD	Options to Enhance Nitrogen Removal at Higher Projected Flows at the H.L. Mooney Advanced Water Reclamation Facility
2022	Arcadis, Black & Veatch, Tetra Tech, CDM Smith, GHD, Vaughan	2,500 Water Environment	1st	University of Waterloo	WEA Ontario	Lee Reck, Mark Lieberman, Seoyeong Lee, Adele Rose Watson	William (Bill) K. Annable, PhD.	Stormwater Retrofit of MacMorrison Park in the City of Barrie, Ontario
2022		1,500 Water Environment	2nd	SUNY Environmental Science and Forestry	NEWEA	Jane Clark Makayla Gallegos, Mary Cassans, Katherine Flores, Shelby Martin	Doug Daley	Daylighting Harbor Brook
2022		1,000 Water Environment	3rd	University of South Florida	Florida WEA	Shelby Rocha, Barbara Martinez, Jada Williams, Anwar Alsharaf, Vanessa Adame	Sarina J. Ergas, PhD, PE	Southeast Wastewater Treatment Plant Wetlands Design
2022		750 Water Environment	4th	Illinois Institute of Technology	Central States WEA	Cornelio Estrella, Emma Dutkiewicz, Anna Slominski, Nevin Abdelghani	David Lampert PE, PhD	Water Reuse Design at It Takes a Village Farm

2022	WEF Design Competition Historical Information	2,500 Wastewater	1st	University of Texas at Austin	WEA of Texas	Himanshu Sail, Shivani Katkar, Jacob Goodman	Manish Kumar, PhD	Panther Creek Wastewater Treatment Plant Expansion Project
2022		1,500 Wastewater	2nd	University of British Columbia	British Columbia WEA	Parsa Mivehchi, Ben Alberga, Caelan Accili, Ramzi Hijazi, Mohamed El Badrawy	Madjid Mohseni, Ph.D., P.E.	New Biosolids Management Strategy for the Regional District of Nanaimo
2022		1,000 Wastewater	3rd	North Carolina State University	NC One Water	Shubhesh Mahadeo, Vie Villafuerte, Nathan Ellis	Daniel Turner, PE	Graham County Wastewater Treatment Plant Expansion
2022		750 Wastewater	4th	Costa Rica Institute of Technology	Central States WEA	Maricel Chaves Chaves, Melany Trujillo Cordoba, Adriana Rojas Chacon, Valeria Castillo Monestel, Denisse Sasborio Palma, Faiola Perez Ramirez	Mary Luz Barrios Hernandez, Phd.	Integral Wastewater Treatment Design for Montezuma, Cóbano, Costa Rica
2022		Water Environment		California Polytechnic, Pamona	California WEA	Noah Emerson, Guadalupe Luna, Nicole Jimenez, Robert Casanave, Juliana Gonzalez	Dr. Monica Palomo (PE, Ph.D.)	A Hydrological Analysis of the Ballona Creek Watershed - Striving for Environmental Prosperity
2022		Water Environment		Georgia Institute of Technology	Georgia Association of Water Professionals	Lydia El-Sayegh, Annie Ballou, Talia Segal, Devasena Sitaram, Priyali Bandla	Hermann Fritz, PhD	Malawi Sanitation Solutions
2022		Water Environment		North Carolina State University	NC One Water	Sarah Coull, Nadia Sheppard, Elliott Hall, Vega Sproul, Sharanya Ananth	Daniel Turner, PE	Design of an Anaerobic Digester for Food Waste in Wake County, NC
2022		Water Environment		Northeastern University	New England WEA	Matthew Biega, Dillon McCormick, Dan Diament, Lauren Howe, Jacob Wasserman, Evan Anderson	Annalisa Onnis-Hayden, PE	Climate Change Resiliency Plan Across the Charles River Watershed
2022		Water Environment		Old Dominion University	Virginia WEA	Sutherlyn Brinn, Jack Kidd, Patrick Ngabo, Nshimilimana Wiston, De'Leon La Fleur	Mujde Erten-Unal, Ph.D.	Larchmont Pump Station Site Redevelopment: Hanover Avenue
2022		Water Environment		University of Nevada, Las Vegas	Nevada WEA	Hamed Heidari, Shams Razzak Rothee, Jasminn Gray, Amit Gajural, Godson Ebenezer Adjovu, Meena Ejjada, Emma Letourneau, Neil Christian Tugadi	Eakalak Khan, PhD	Identification and quantification of garbage in Las Vegas Valley stormwater channels and improvement of stormwater management
2022		Water Environment		Univeristy of Tennessee, Knoxville	CWP of KY & TN	Claudia Bible, Andrew Houser, Jeremiah Pham, Matthew Tolson, McKenna Hoag, Erin Van Hoozier	Dr. Jenny Retherford PE Ph.D.	Hydroelectric Microgrid Design in Nazarét, Panama
2022		Wastewater		Illinois Institute of Technology	Illinois WEA	Julija Vasiliauskaite, Briar Moore, Lout Verder	David Lampert PE, PhD	Water Quality Improvements for Residential Area in Harvey, IL
2022		Wastewater		Colorado State University	Rocky Mountain WEA	Emily Godi, Kira Cunniff, Kamryn Steel, Robert Vaccaro, Sweetee, Garrett Glaspy	Rachel Knobbs, EIT	Laramie Wastewater Treatment Plant Energy Upgrade
2022		Wastewater		Florida Gulf Coast University	Florida WEA	Kaylei Kambak, Alexis Scheele, Brendan Zwiefel	Jong-Yeop Kim, Ph.D., P.E.	Preliminary Design, Analysis, and Implication of Upgrading the Golden Gate Wastewater Treatment Plant in Naples, FL to High-Level Disinfection
2022		Wastewater		George Mason University	Virginia WEA	Nicolas Tenorio, Anthony Vecchio, Seif Ali, Sofia Da Silva, Abdirahman Abdullahi, Crystal Bowers, Rayan Elmisurati, Kyler Resnick	Matthew Doyle, PE, CCM	Plant Expansion & Biological Treatment Improvements - King William Treatment Plant
2022		Wastewater		Chesapeake WEA	Johns Hopkins University	Mitchell Kleckner, Madison Miro, Mitchell Kleckner, Eleanor Baran	Ciaran Harman, PhD	Developing a Phosphorus Recovery System for WSSC Water
2022		Wastewater		Central States WEA	Milwaukee School of Engineering	Alexis Countryman, Jack Ferrante, Grace Cushing, Josh Kleinschmidt, Bennett Harris, Brandon Garrido	William Krill, PE	Village of Raymond Sanitary Sewer Main Design
2022		Wastewater		New York WEA	SUNY Environmental Science & Forestry	Makayla Gallegos, Teresa Lahood, Matt Talarsky	Doug Daley	Preliminary Design of the New Parish Water Resource Recovery Facility
2022		Wastewater		WEA of Texas	Universidad de Monterrey	Arturo Zertuche Camporredondo, Bruno Julio Enrique Herrada Santos, Raymundo Zertuche Camporredondo	Roberto Carlos Gallo Villar	Panther Creek Water Resource Recovery Facility Expansion Project
2022		Wastewater		Ohio WEA	University of Akron	Anna Soehnlén, McCallah Ferry, Noor Fahoum	Christopher M. Miller, Ph.D.	A Comprehensive Assessment of the Akron Water Reclamation Facility
2022		Wastewater		SMACC	Univeristy of Monterrey	Luis Pérez, Alejandro Vergara, Saúl Sánchez	Santos Saenz Delgado	Global Water Stewardship Montezuma, Costa Rica
2021	Carollo, GHD, Vaughan, Black & Veatch, CDM Smith	2,500 Water Environment	1st	California State Polytechnic University	California WEA	Alex Berk, Ryan Porras, Eduardo Contreras, Christopher Rodriguez, Paz Alan De Nova, Francisco Santos Ponce, Jon Del Rosario, Amanda Saleeba, Flora Delgado, Anna Shao, Albert Hong, Jose Talavera, Marifel Janice Retuta, Ernesto Torres, Andrew Novak, Alex Vasquez, Francisco Ponce	Monica Palomo, PhD	A Community Approach to Puddingstone Watershed Restoration
2021		1,500 Water Environment	2nd	George Mason University	Virginia WEA	Romelia Belteton, Grace Morrissey, Jenny Eid, Aivan Estacio, Camille Fulton, Nasima Sadr, Jonathan Parker	Matthew Doyle, PE, CCM	Piney Run Tributary System Restoration
2021		1,000 Water Environment	3rd	University of South Florida	Florida WEA	Jordin Kahler, Anna Zimmerman, Alex Orellana, Mariko Peltz, Andres Lora Santos	Sarina Ergas, Ph.D.	Erosion and Water Quality Analysis of Lassing Park
2021		2,500 Wastewater	1st	Clemson University	WEA of South Carolina	Danny Greene, Evan Groome, Danielle Larsen, Curtis McClellan	Sudeep Popat, Ph.D.	F. Wayne Hill Water Resources Center Solids Processing Upgrades
2021		1,500 Wastewater	2nd	Northeastern University	New England WEA	Emily Eastman, Taylor Labbe, Jeffery Ling, Aidan Travers	Annalisa Onnis-Hayden, PE, Ph.D.	Water Resource Recovery Facility Design for a Vermont Creamery
2021		1,000 Wastewater	3rd	North Carolina State University	North Carolina AWWA-WEA	Connor Bales, Abigail Brinkman, William Brower, Syon Chand, Jackson Confer, Abbygail Kinlaw	Francis de los Reyes, Ph.D.	The Stowe Regional Water Resource Recovery Facility
2021		750 Wastewater	4th	City College of New York	New York WEA	Janet Acquah, David Cham, David Ip, Julie Yaish	Michael Bobker, Ph.D.	Improving Wards Island WRRF Energy Recovery Through Coupled Thermal Hydrolysis and Cogeneration Systems
2021		500 Wastewater	5th	Southern Methodist University	WEA of Texas	Michael Dudley, Julia Nolan, Harshada Pednekar, Fatema Sahwani	Patricia Taylor, PE, Ph.D.	The City of Houston Intercontinental Airport Wastewater Treatment Plant Expansion
2021		Water Environment		Case Western University	Ohio WEA	Andi Chakraborty, Sofie Iwamasa, Abby Slates	Kurt R. Rhoads, P.E., Ph.D.	Methane Recovery for Philip Q. Maiorana WWTP
2021		Water Environment		Worcester Polytechnic Institute	New England WEA	Emma Burleson, Annemarie Eastwood, Lauren Mitchell, Molly Youngs	John Bergendahl, Ph.D., PE	Acid Leachate Active Treatment Pilot System for Cooledge Brook, MA
2021		Wastewater		University of Windsor	WEA of Ontario	Cay-Yen Ang Jordan Goddard Fabianna Palacios	Rajesh Seth, Ph.D., PE	Reducing Overflows and Bypasses at Port Dalhousie Wastewater Treatment Plant

2021	WEF Design Competition Historical Information	Wastewater		University of Nevada, Las Vegas	Nevada WEA	Meena Ejada, Anaomi Rojas-Lujan, Jewelyn Guerrero, Hamed Heidari, Emma Letourneau, Amanda Page	Eakalak Khan, Ph.D., PE, BCEE	Solids Separation at the Flamingo Water Resource Center by Thickeners and Odor Control
2021		Water Environment		Florida Gulf Coast University	Florida WEA	Gabrielle Hastings, Yosvany Medina Pinera, Josie Wiederkehr	Jong-Yeop Kim, Ph.D., PE	Is Direct Potable Reuse (DPR) a Viable Option for the City of Fort Myers, FL? - Preliminary Design, Analysis, and Implication
2021		Wastewater		University of Colorado, Boulder	Rocky Mountain WEA	Jack Costello, Spencer Lovell, Caleigh Jensen, Leah Rivera, Lucas Wagoner	William C. Becker, Ph.D., PE, BCEE	Design for Expansion to Increase Water Reclamation at Parker Water and Sanitation District
2021		Wastewater		Universidad de Monterrey	Sociedad Mexicana de Aguas, A.C.	Bruno Julio Enrique Herrada Santos, Luis David Pedraza Caballero, Jorge Eduardo Salinas Aguirre, Arturo Zertuche Camporredondo	Jimmy Luis Loaiza Navia,	Houston Intercontinental Airport Wastewater (IAH) Treatment Plant's Redesign—Troyanos
2021		Water Environment		George Mason University	Virginia WEA	Ivan Gonzales, Caleb Hanneman, Martin Henke, Chris Mata Katharine Simpson, Nicolas Tenorio	Matthew Doyle, PE, CCM	Biogas Manufacturing and Monetization
2021		Wastewater		Georgia Institute of Technology	Georgia AWP	Kristina Gandara, Atiya Jangda, Olivia Wagner, Hayden Zelle	John Koon, Ph.D., PE	Conceptual Design of a Thermal Sludge Dryer for Macon Water Authority's Biosolids Management
2021		Wastewater		Technologico de Costa Rica	Costa Rica	Alexander Brenes Porras, Brittany Ramos Castellon, Ashley Maria Pineiro Conejo	Ing. Diana Zambrano Piam	WWTP and Sewerage in Samara District, Costa Rica
2021		Water Environment		SUNY Coloeege of Env. Science & Forestry	New York WEA	Zac Alderson, Makayla Gallegos, Lauren Claeys, Katherine Gannon, Jane Clark, Andrew Graham, Cameron Daley, Andrea Ros,s Emily Ellithorpe, Morgan VanDyke, Briana Fitzgerald	Douglas Daley, MS, PE	Green Infrastructure Retrofit Design for an Unapproved Parking Lot in Central New York
2021		Wastewater		Johns Hopkins University	Chesapeake WEA	Annabel Mungan, Brennan Pitts, Lindsey Pitts, JJ Tie	Ciaran Harman, Ph.D.	Filter Backwash Storage Design for Western Branch WRRF
2021		Water Environment		Loyola University Chicago	Illinois WEA	Valentine Geze, Brooke McDonald, Anna Zachary	Gajan Sivandran, Ph.D.	Anaerobic Digester Senior Capstone Project
2021		Wastewater		Marquette University	Central States WEA	Bryar Jensen, Jim Lindsay, Callen Papineau, Jakob Smith, Mathieu Stafford	Daniel H. Zitomer, Ph.D.	City of Escanaba WWTP Phosphorus Removal Upgrade to Secondary Treatment
2021		Wastewater		North Dakota State University	North Dakota WEA	Molly Cyr, Jordyn Dreye, Daniel Foster, Ty Leingang, Nicholas Naseth, Ken Shields	Wei Lin, Ph.D.	Moorhead Wastewater Treatment Facility Headworks Improvements
2020	GHD	2,500 Water Environment	1st	University of Guelph	WEA of Ontario	Rebecca Beutel, Rebecca Bar, Acacia Markov, Justin Salvucci	Jana Levinson, Ph.D., P.Eng.	Innovative Stormwater Management in the City of Richmond Hill
2020		1,500 Water Environment	2nd	Northeastern University	New England WEA	Samatha Kinnaly, Kate Engler, Annie Lamonte, Emma Totsubo	Annalisa Onnis-Hayden, P	Rock Meadow Parking Lot & Stormwater Design
2020		1,000 Water Environment	3rd	University of Victoria	British Columbia AWWA/WEA	Noah Fanos, Jacob Riedl, Felix Motard, Robin Jory, Liam Kirchner	Phalguni Mukhopadhyaya	Cambie Corridor Rainwater Management Solutions
2020		750 Water Environment	4th	University of Virginia	Virginia WEA	Hania Abboud, Jason Jabbour, Ekaterina Forkin, Anna Liang	Brian Smith, Ph.D.	Re-Viewing Runoff
2020		2,500 Wastewater	1st	Colorado School of Mines	Rocky Mountain WEA	Tori Heckart, Kayla Hubbard, Gillian Allison, Kelsey Buechler, Kate Stephens	Chris Bellona, Ph.D.	Nutrient Optimization for Municipal Wastewater Facilities in Colorado
2020		1,500 Wastewater	2nd	University of Vermont	New England WEA	Ian Kosnik, Jake Senecal, Olivia Nachbauer, Sam Mikell	Matthew Scarborough, PE	South Burlington WWTF Chemical Reduction
2020		1,000 Wastewater	3rd	Northwestern University	Illinois WEA	Yechan Won, Haley Lewis, Hoatian Cai	Kimberly A. Gray	Membrane Bioreactor System for a Local Brewery: Process Design and Cost Analysis with a Novel Approach to Membrane Fouling Control
2020		750 Wastewater	4th	Milwaukee School of Engineering	Central States WEA	Christine Boland-Prom, Blake Bostwick, Rebeah Janquart, Jamie Nguyen, Julian Sonn, Jamie Sykora	William krill, MBA, P.E.	Municipal Treatment Facility - Joyabaj, Guatemala
2020				Case Western University	Ohio WEA	Aaron Mann, Kevin Pataroque, Peter Thompson	Kurt R. Rhoads, P.E., Ph.D.	No Waste, Problem Aced: Optimizing Beneficial Reuse of Biosolids Prior to BNR Upgrades
2020				Instituto Tecnológico de Costa Rica	Costa Rica	Lidia Rodríguez Vega, Sharon Castillo Rodríguez, Deilin Urena Portuguez, Nicolas Morales Miranda	MS. Eng. Diana Alexandra Zambrano Piamba	Wastewater Treatment Plant Design for La Fortuna, San Carlos, Costa Rica
2020				Johns Hopkins University	Chesapeake WEA	Bhawramaett Punruckwong Broehm, Marcos Pascual, Thomas Howard, Aryianna Moore	Hedy Alavi, Ph.D., MBA, P	Stormwater Management at Fort Meade
2020				Manhattan College	New York WEA	Adina Rivera, Dylan Curran, Nicole Kaiser, Jaqueline Delorenzo, Ryan Turadek	Jeanette A. Brown, PE, BCEE. D.WRE, Dist.M.ASCE, F.WEF	Characterization of Fats, Oils and Grease and Evaluation of Potential Beneficial Use
2020				National University of Singapore	Singapore	Daivd Immanual Tanaka, Chia Jia Ling, Jonathan khoo Bing Xian, New Wen Yang, Wee Li Teng	Hu Jiangyong, Ong Say Le	Development of Sustainable Wastewater Treatment Plant with Energy Recovery through the use of Biosorption and Oxidation Processes
2020				North Carolina State University	North Carolina WEA	Silvana Alfieri, Drew Casey, Ky Tanner, Kai Dunston	Francis L. de los Reyes III,	Siler City Wastewater Treatment Plant Upgrade and Expansion
2020				North Dakota State University	North Dakota WEA	Arianna Christian, Mara Roteliuk, Tyrel Clark, Erika Krieger, Tyler Fairchild	Wei Line, Ph.D.	Treatment and Disposal of Biosolids from Wastewater Lagoons
2020				San Diego State University	California WEA	Ehrick Costello, Michelle Melkonians, Marina Balcazar, Julia Moore, Sophia Jorge	Chrsity Dykstra, Ph.D.	Paradise Creek Flood Mitigation
2020				SUNY Environmental Science and Forestry	New York WEA	Cameron Daley, Lauren claeys, Brianna Fitzgerald, Mallory Delanoy, Emily Ellithorpe, Paul DeVries, Zach Patterson, Katherine Gannon	Douglas Daley, MS, PE	Nanofiltration for Microcystin Removal in Drinking Water, Auburn, NY
2020				Tartleton State University	WEA of Texas	Wesley Lozano, Josh Rangel, Shannon Lawless	Kartik Venkataraman, Ph.D., PE	Expansion and Implementation of Granular Activated Sludge in a Continuous Flow WWTP

2020	WEF Design Competition Historical Information			Tecnologico de Monterrey	Sociedad Mexicana de Aguas, A.C.	Adriana Suverza, Ines Murillo, Mario F. Aedo, Brayán E. Rodríguez	Roberto Carlos Gallo Villanueva, PE	The Gilleland Creek Wastewater Treatment Plant: Expansion Guidelines
2020				University of California, Irvine	California WEA	Jason Tran, Matthew Tem, Aaron Esparza-Almaraz	William Cassidy, PE	Seal Beach and Wastewater Pump Station Replacement
2020				University of Florida	Florida WEA	Gabrielle Bryson, Nicholas Thomas, Rick Lamphier, James Snyder, Ryan Winslow, Alexandra Rubin	John Sansalone, PE, Ph.D.	Treatment of Municipal Wastewater for Control of Glyphosate in Effluent Discharges
2020				University of Idaho	Pacific Northwest Clean Water Association	Nicole Brower, Lindsey Smoot, Kylie Cutler	Erik R. Coats, PE, Ph.D.	Potable Water Reuse in Moscow, Idaho
2020				University of Illinois at Urbana-Champaign	Central States WEA	Justin Shen, Jinglin Duan, Lindsay Muth, Abhijeet Saraf, Ryan Moeller	Jeremy Guest, Ph.D.	Green Infrastructure Solutions to Campus Flooding in Urbana, IL
2020				University of Nevada, Las Vegas	Nevada WEA	Krishnaswam, Jeawlyn Guerrero, Kazi Shafayet Haider, Yasaman Saedi, Amanda Page, Meena Ejjada, Neil Christian	Eakalak Khan, Ph.D., PE	Upgrading City of Henderson Kurt R. Segler Water Reclamation facility for Biological nitrogen removal
2020				University of Notre Dame & St. Mary's	Indiana WEA	Juliette Burcham, Chiara Smorada, Michael Dunn Patrick West	James E. Allerman, PE, Ph.D.	Disinfection System Upgrade for South Bend (IN) Wastewater Treatment System
2020				University of South Florida	Florida WEA	Elliott Tegan-Tawney, Daniel Eagan, Jasmine Wood	Sarina Ergas, Ph.D.	Sustainable Energy & Water Control at SE7EN Wetlands
2020				University of Tennessee	Clean Water Professionals of KY & TN	Emma Parks, Sean Lee, Dadee Klimowiz, Caroline Stephens	Jennifer Retherford, PE, Ph.D.	Effluent to Beet Tap

2019 WEF Design Competition Historical Information								
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2019	Black & Veatch, CDM Smith, GHD, Greeley & Hansen	2,500	1st	University of Colorado-Boulder Wastewater Division	Rocky Mountain WEA	Powell Hinson, Rachel Knobbs, Lin Ye, Brandon DaSilva, Ryan Smith	Angela Beilefeldt, PE, Ph.D.	City of Gunnison Wastewater Treatment Plant Renovations for Future Regulatory Compliance
2019		1,500	2nd	North Carolina State University - Wastewater Division	NC AWWA-WEA	North Carolina State University - Wastewater Division	Francis L. de los Reyes III	Smith Creek Resource Recovery Facility Expansion and Upgrade
2019		1,000	3rd	Utah State University Wastewater Division	WEA of Utah	Andrew Walker, Amy Carmellini, Jessica Cooper, Jade Snyder, Madeline Tennant, Nicole Vause	R. Ryan Dupont, Ph.D.	North Davis Sewer District Nutrient Reduction Analysis
2019		750	4th	Milwaukee School of Engineering Wastewater Division	Central States WEA	Guissel Davila Arteaga, Jamie Sykora, Christine Boland-Frorn, Rachel Montafvon, Alexis Countryman, Miranda Durbin, Sydney Shaffer	Nelson Douglas, PE	Centralized Water Treatment System for Monteverde, Costa Rica
2019		2,500	1st	University of British Columbia Environmental Division	British Columbia WWA	Luthfi Subagio, James Craxton, Daniel Luo, Johnson Li	Noboru Yonemitsu, Ph.D.,	YVR Airport De-icing Runoff Treatment System
2019		1,500	2nd	Georgia Institute of Technology Environmental Division	Georgia Association of Water Professionals	Blake Lindner, Sam Boyce, Claire Alderson, Eleanor Thomas	John Koon, Ph.D., PE	Diversifying the Water Portfolio of Gwinnett County via Direct Potable Reuse
2019		1,000	3rd	Northeastern University Environmental Division	New England WEA	Margaret Keefe, Kestral Johnston, Marcus Brunelle	Dr. Annalisa Onnis-Hayder	Town of Amherst Water Resue Initiative and Wastewater Treatment Plant Retrofit
2019		750	4th	University of Central Florida Environmental Division	Florida WEA	Zachary Loeb	Dr. Anwar Sadmani	The Development of a Sustainable New Method for the Catalytic Removal of Toxic Mercury from Flue Emission through Advance Oxidation
2019				University of Notre Dame Environmental Division	Indiana WEA	Andrew Copp, Annelise Gill-Wiehl, Madelyn Franscesconi, Greg Champion	Robert Nerenberg, Ph.D., PE, BCEE	Feasibility of Wastewater Collection and Treatment for Granger, IN
2019				University of Nevada, Las Vegas Wastewater Division	Nevada Water Environment Association	Sayeda Ummeh Masrura, George William, Kajjumba Meena Ekkada	Eakalak Khan, Ph.D., PE	Equilization Basin Design and Biosolids Conveying Systems Upgrade for the City of North Las Vegas
2019				Iowa State University Wastewater Division	Iowa Water Environment Association	Peiyang Li, Dominique King, Jens Dancer, Joao Zolin	Say Kee Ong, Ph.D.	Ames Water Pollution Control Facility Nutrient Reduction Alternatives
2019				John Hopkins University Environmental Division	Chesapeake WEA	Kimberly Koon, Kevin Wang, Rafael Ferguson	Ed Bouwer, Ph.D.	Stormwater Management at Fort Meade
2019				University of Nebraska Lincoln at Omaha Environmetnal Division	Environment Assocation	Sara White, Teresa Blankman, Derek Hines, Samuel Manning	Dr. George Hunt, PE	Refugee Boarding School Improvements
2019				University of Illinois at Urbana-Champaign Environmental Division	Central States WEA	Justin Shen, Alana Rosenbaum, Javier Mulero, Jonathan Kolweier	Non Listed	Designing Sustainable Infrastructure fo Flood Mitigation in Houston, Texas
2019				Louisiana State University Environmental Division	Louisiana Water Environment Association	Adrianna Copeland, Laura Moldovan, Tyler Hebert, Matthew Hutchins, Vincent Shanberg	Chandra Theegala, Ph.D.	Artificial Tree Pump to Enhance Transpiration of VOC's from Groundwater
2019				Manhattan College Wastewater Division	New York WEA	Sara Sansone, Logan Graney, Chris Casey, Adina Rivera, Arijit Ghosh	Jeanette Brown, PE	Evaluation, Design and Economic Assessment of the BC Water Resource Recovery Facility
2019				University of Idaho Wastewater Division	Pacific Northwest CWA	Nicole Brower, Alexandre Crozes, Lindsey Smoot, Nick Brouillard	Erik Coats, PE, Ph.D.	Pullman WRRF Phosphorous Upgrade
2019				University of Guelph Wastewater Division	Water Environment Assocation of Ontario	Mistaya Langridge, Emmanuelle Caws, Alison Cox, Nicole Crone	Erica Pensini, Ph.D., PE	Optimization and Resource Recovery at the Chatham Water Pollution Control Plant
2019				National University of Singapore Environmental Division	Engineering Society of Singapore	David Imanuel Tanaka, Wen Yang Neo, Jia Ling Chia, Li Teng Wee	Leong, Ng How Yong, Hu Jiangyong	Two-Stage Bio-retention Treatment for Stormwater and Irrigation Runoff from Commerical Plant Nurs

2019	WEF Design Competition Historical Information			North Dakota State University Environmental Division	North Dakota WEA	Quentin Scott, Alan Tellefson, Brady Lane, Katherine Raab, Will Diemert	Dr. Wei Lin	Fargo Water Reclamation Facility
2019				Texas Tech University Wastewater Design	Water Environment Association of Texas	Katie Snyder, Skye Mason, Mihna Lewis, Tori Haugvoll	Andrew Jackson, Ph.D., PE	Bohl's Wastewater Treatment Plant Upgrade Design
2019				Northern Arizona University	AZ Water	Steven Hunter Stacy, Katherine Dougherty, Hadley Habeck	PE	Cave Creek Water Reclamation Plant Rehabilitation
2019				SUNY College of Environmental Science & Forestry	New York WEA	Paul de Vries, Cameron Daley, Mallory DeLanoy, Jourdyn-Evonne Lee, Brianna Fitzgerald	Douglas Daley, PE., M.S.	Reducing Combined Sewer Overflow Through Gray and Green Infrastructure
2019				San Diego State University Environmental Division	California WEA	Ethrick Costello, Jason Ritchey, Sean Youseffi, Michelle Laurendine	Christy Dykstra, Ph.D.	Salton Sea Wetlands
2019				Old Dominion University Environmental Division	Virginia WEA	Ryan Dunn, Savannah Moretz, Kyle Bush	Mujde Erten-Unal, Ph.D.	Magnolia Avenue
2018	Black & Veatch, CDM Smith, Greeley and Hansen, Wisconsin Economic Development Corp.	2,500	1st	University of Colorado-Boulder Wastewater Division	Rocky Mountain WEA	Debbie Cevallos, Dome Cevallos, Mercedes Kindle, Jackie Kingdom, Katie McQuie, Feng Xiang	Dr. Christopher Corwin	Enhancing Nutrient Removal at Boulder's 75th Street Wastewater Treatment Facility
2018		1,500	2nd	University of South Florida Wastewater Division	Florida WEA	Dustin Ballard, Joseph Capodice, Jesse Hillman, Matthes Priester	Sarina Ergas	Resource Recovery at South Cross Bayou Water Reclamation Facility
2018		1,500	2nd	Utah State University Wastewater Division	WEA of Utah	Dominique Bertrand, Avery Holyoak, Todd Keniry, Ben Sandberg, Jade Snyder	Ryan Dupont	Central Valley Water Reclamation Facility Anaerobic Digestion Analysis
2018		750	4th	University of Idaho Wastewater Division	Pacific Northwest CWA	Casey Bryant, Kirsten Dolph, Kenny Sheffler, Cody Sprague, Nicole Tompkins	Dr. Erik Coats	City of Moscow Solids Management Alternative Feasibility Study
2018		2,500	1st	University of British Columbia Environmental Division	British Columbia WWA	James Craxton, Johnson Li, Steven Rintoul, Luthfi Subagio	Noboru Yonemitsu	Ellis Creek Remediation
2018		1,500	2nd	University of Tennessee-Knoxville Environmental Division	Kentucky-Tennessee WEA	David Blake Anthony, Chelsey Brummer, Christian Kidd, Jose Luna, Jeremy Melton	Dr. Jennifer Retherford	Restoration of Hines Creek at Alex Haley Farm
2018		1,000	3rd	Northeastern University Environmental Division	New England WEA	Sabrina Castaneda, Anna Mallonee, Joanna Sullivan	Dr. Annalisa Onnis-Hayden	Designing a Sustainable Land Development in Gloucester, MA
2018		750	4th	National University of Singapore Environmental Division	EES of Singapore	Li Rui, Xu Dong, Lu Lu, Goh Jun Wei	Hu Jiangyong, Ong Say Leong, Nq How Yong	Design of a Zero-discharge Ultrapure Water Reuse System for an Electronics Corporation in Wuxi, China
2018				University of Wisconsin-Milwaukee Wastewater Division	Central States WEA	Md Abul Bashar	Dr. Jin Li	Integration of Biogas Water Wash and Struvite Recovery Process with MMSD's Jones Island WWTP
2018				University of Kansas Wastewater Division	Kansas WEA	Sydney Gard, Andrew Hummel, Abdullah Ibrahim, Tyler Mayo, Hannah Stohr, Jennifer Warren	Dr. Belinda Sturm	Mitigating Phosphorus Accumulation in Land Applied Biosolids: Improving Water Quality Management at the El Dorado, KS Wetlands & Water reclamation Facility
2018				Southern Methodist University Wastewater Division	WEA of Texas	Amber Long, Rachael Rodgers, Krislyn Welch	Dr. Patricia Taylor	Alligator Creek Wastewater Treatment Plant: Expansion and Upgrades
2018				Montana State University Wastewater Division	Montana WEA	Samuel Johnson, William Najjar, Madison Thompson	Dr. Ellen Lauchnor	City of Belgrade, Montana: Wastewater Treatment Plant Expansion Evaluation
2018				University of California, Irvine Wastewater Division	California WEA	Windsor Lee, Jessica Park	Joel Lanning	Design of a New, Replacement Wastewater Pump Station
2018				Manhattan College Wastewater Division	New York WEA	Fazena Bacchus, Carlyn Chappel, Timothy Conway, Benjamin Giese, Thrasivoulos Panayiotou	Jeanette Brown	Anaerobic Digestion with Resource Recovery
2018				Northern Arizona University Wastewater Division	AZ Water	Nicholas Babcock, Jed Ward, Maxwell Ward, Ryan Winter	Mark Lamer	Greenfield Water Reclamation Facility Expansion
2018				George Mason University Wastewater Division	Virginia WEA	Mohamadi Badana, Josiah Eidson, Elena Herrera, Tenzin Jigme, Ryan Kerstetter, Michael Parker, John Seals	Dr. Matthew Doyle	Increasing Roanoke Regional Water Pollution Control Plant Peak Flow Capacity and Improving Permit Loading Compliance
2018				George Mason University Environmental Division	Virginia WEA	Eden Beth DeVera, Min Lu Kelly-Durham, Nadia Rendon, Aneliz Rocabado, Michael Schindler, Sarah Shay	Dr. Matthew Doyle	Remediating an Aerial Sewer Crossing within Indian River Run
2018				North Dakota State University Environmental Division	North Dakota WEA	David Barragan, Joshua Hammermeister, Eric Johnson, Libby Kruse, Wyatt Sharp, Samuel Solberg	Dr. Wei Lin	The City of Wahpeton Wastewater Lagoon Odor Control and Operation Improvement
2018				University of Guelph Environmental Division	WEA of Ontario	Philip De Boer, Luke Jesson, Julian Kuntz, Samanta Martinez	Amanjot Singh	Reducing Phosphorus Loadings to the Thames River
2018				University of Notre Dame Environmental Division	Indiana WEA	John Judge, Emily Najacht, Devin North, Nicholas Piskurich	Dr. Robert Nerenberg	Feasibility of Wastewater Collection and Treatment for Granger, IN
2018				University of Florida Environmental Division	Florida WEA	Leah Carol, Megan Carr, Chris Cerreta, Morgan Eddy, Robyn Egan, Jack McAvoy	John Sansalone	Urban Maintenance Design for MS4 Nutrient Load Credits in Florida
2018				Case Western Reserve University Environmental Division	Ohio WEA	Madeleine Harris, Aaron Mann, Nicholas Merchant-Wells, William Worsham	Kurt Rhoads	Please Do Not Feed Medicate the Fish: Pharmaceuticals in the WRRF Effluent
2018				University of Wisconsin-Platteville Environmental Division	Central States WEA	Elizabeth Ebert, Joseph Lapastora, Erik Papenfus, Jessica Zemen	Dr. Michael Penn	Wastewater Collection and Treatment System for the Community of Palmar Sur, Costa Rica

Year	Client/Contract	Project Budget	Rank	Academic Institution	Water Environment Association	Project Name	Lead	Project Description
2017	Black & Veatch, CDM Smith, Greeley and Hansen, HDR	2,500	1st	University of Colorado – Boulder Wastewater Division	Rocky Mountain WEA	Riley McConnell, Alan Bracewell, Dillon Rodenbaugh, Elias Katsoulas, Sarah Vander Meulen	Dr. Christopher Corwin	Biosolids: Digestion, Dewatering, and Handling Evaluation and Design
2017		1,500	2nd	University of British Columbia Wastewater Division	British Columbia WWA	Antonio Castro, Brad Jenks, Gregory Vettese, Jenikka Javison, Kit Caufield, Tim Burton	Dr. Troy Vassos	Tsawout FN (I.R. No. 2) Secondary Treatment Upgrades
2017		1,000	3rd	Northeastern University Wastewater Division	New England WEA	Catherine Moskos, Lindsey Carver, Erika Towne	Dr. Annalisa Onnis-Hayden	Lions Gate Secondary Wastewater Treatment Plant Design and Modeling
2017		750	4th	North Dakota State University Wastewater Division	North Dakota WEA	Emily Von Hagen, Kristofer Knutson, Karl Johnson, Heather Yelle, David Nelson, Lianjie Sun, Ricardo Zamora	Dr. Wei Lin	Bismarck Wastewater Treatment Plant Odor and Corrosion Control
2017		2,500	1st	University of Guelph Environmental Division	WEA of Ontario	Emily Angermann, Nicole Ludzki, Madelaine Prince, Everett Snieder	Dr. Andrea Bradford	Stormwater Management Feasibility Study for Exhibition Place in Toronto ON
2017		1,500	2nd	University of Tennessee Environmental Division	Kentucky-Tennessee WEA	Kelli Spradling, Katie Gipson, Christina Sanford, Sharon Counts	Dr. Jennifer Retherford	Wastewater Treatment Improvements for Rush Strong Elementary School
2017		1,000	3rd	John Hopkins University Environmental Division	Chesapeake WEA	Alyssa Sooklal, Christina Cho, Jeongjae Kim, Kiana Rodgers	Dr. Edward Bouwer	Stormwater Management in Fort Meade, MD
2017		750	4th	University of South Florida Environmental Division	Florida WEA	Peter Zydek, Manuel Delgado-Navarro, Tyler Brenfleck, Michael Tavlin, Stephen Rousseau	Dr. Sarina Ergas	Snead Island Septic Alternatives
2017				George Mason University Wastewater Division	Virginia WEA	Ben Kirby, M. Elena Herrera, Tenzin Jigme, Kristine Mosuela	Dr. Matthew Doyle	Some Designs Are More EQ than Others – Recommendations for Increasing HRSD JRTP Peak Flow Capacity
2017				University of Utah Wastewater Division	WEA of Utah	Heather Christensen, Jenny Calderon, Collin Miller, Dani Zebelean	Dr. Jenifer Weidhaas	Magna Water and Sewer District Expansion
2017				University of Kansas Wastewater Division	Kansas WEA	Theresa Amante, Jennifer Warren, Madeline O’Neill, Abigail Bradshaw, Sam Nixon, Rogelio Peschard, Mai Bui, Sirwan Alimoradi, Abdullah Ibrahim	Dr. Belinda Sturm	Modifications to the Existing Kansas River Wastewater Treatment Plant for BNR Performance
2017				Southern Methodist Wastewater Division	WEA of Texas	Joseph Hutchinson, Daniel Roberts, Marco Miranda	Dr. Patricia Taylor	Upgrade of the Riverbend Water Reclamation Plant
2017				Manhattan College Wastewater Division	New York WEA	April Weeks, T.J. Bolen, Tim Conway, Ben Giese, Erik Strommen, Stephanie Castro, Ed Horai	Jeanette Brown	Designing the Brooklyn Brownstone WRRF to Meet New Permit Requirements
2017				University of Idaho Wastewater Division	Pacific Northwest CWA	Casey Bryant, Karina Eyre	Dr. Erik Coats	City of Moscow WWTP Disinfection Upgrade
2017				North Carolina State University Wastewater Division	North Carolina WEA	Allison Bryan, Haniyyah Chapman, Danial Khan	Dr. Joel Ducoste	Long Creek Wastewater Treatment Plant
2017				Florida A&M University Environmental Division	Florida WEA	Simeng Li, Cale Madden, Jacob Prout, Ryan Hill, Emma Rivers Baird, Kadeem Rowe	Dr. Youneng Tang	Designing a Facility to Treat Industrial Wastewater Containing Phenol
2017				University of Wisconsin-Platteville Environmental Division	Central States WEA	Megan Wolfe, Andrew Szymaszek, Linjie Tang, Catherine Terando	Dr. Michael Penn	Wastewater Conveyance and Treatment System: Dominical, Costa Rica
2016	Black & Veatch, CDM Smith, Greeley and Hansen							
2016		2,500	1st	Southern Methodist University Wastewater Division	WEA of Texas	Rachel Turner, Elizabeth Boddicker, Katie Stowers	Dr. Patricia Taylor	City of Forth Worth Village Creek Water Reclamation Facility Primary Treatment Upgrades
2016		1,500	2nd	University of Florida Wastewater Division	Florida WEA	Rebecca Braz, Maria Reed, Krystin Kadonsky, Christin Gentz, Poe Poe Min Hlaing	Dr. Jame R. Mihelcic	Supplementary Sludge Management Process for City of Plant City Water Reclamation Facility
2016		1,000	3rd	University of Colorado - Boulder Wastewater Division	Rocky Mountain WEA	Kelsey Bennett, Haley Goddard, John Greene, Anisha Lamsal, Julie Barstow	Dr. Chris Corwin	Parker Water and Sanitation District Northern Wastewater Reclamation Facility Expansion
2016		750	4th	North Dakota State University Wastewater Division	North Dakota WEA	Eric Miller, Aundie Softing, Brian Rucker, Charlie Bowen, Matthew Lee, Carl Entzie, Oluyemi Abodunrin	Dr. Wei Lin	Biosolids and Nutrient Management at Moorhead Wastewater Treatment Facility, Moorhead Minnesota
2016		2,500	1st	University of Minnesota - Twin Cities Environmental Division	Central States WEA	Anne Wilkinson, Abby Tomasek, Maria Garcia-Serrana, Zeinab Takbiri	Michele Guala	A New Tool for the Retrieval of Harmful Algae Concentrations using Multi-Satellite Observations
2016		1,500	2nd	Virginia Military Institute Environmental Division	Virginia WEA	Nate Whitmer, Kyle Harrell, Vania Murcia, Michael Young	LTC Time Moore, Ph.D.	Design and Implementation of a low maintenance zero energy portable farm and aquaponics system for agriculturally challenged developing communities
2016		1,000	3rd	Johns Hopkins University Environmental Division	Chesapeake WEA	Manelle Dridi, Conrad Pritchard, Mengli Shi, Yong Kai Saw	Dr. Ed Bouwer	Stormwater Design Strategies for Building 601 at Fort Meade
2016		750	4th	University of Guelph Environmental Division	WEA of Ontario	Amy Langford, Patricia Wiebe, Steven Zingaro	Dr. Hongde Zhou	Duffin Creek Water Pollution Control Plant Energy & Resource Recovery
2016				North Carolina State University Wastewater Division	North Carolina WEA	Kristin Connors, Will Fuller, Ashley Kabat, Michael Knepper	Joel Ducoste	Mebane Bridge Wastewater Treatment Plant Aerobic Digestion Upgrades
2016				University of South Florida Wastewater Division	Florida WEA	Jon Knudsen, Dillon Forsyth, Madeline Kender, Wainella Isasacs, Vittoria Zucchelli, Monica Resto	Dr. Janes R. Mihelcic	Develop Solutions for the City of Plant City Water Reclamation Facility to Handle Septage Loads due to
2016				Utah State University	WEA of Utah	Ahmad Bitar, Erin Andersen, Dominique Bertrand, Darren Bingham, Dan Horne	Dr. Mike McFarland	Biosolids Handling at Central Davis Sewer District (Kaysville, UT)
2016				Seattle University Wastewater Division	Pacific Northwest CWA	Abbie Lorensen, Larissa Grundell, Isabella Schwartz, Kristin Ramey	Dr. Michael Marsolek	Alderwood Water and Wastewater District Outfall Upgrade
2016				University of Northern British Columbia / University of British Columbia Wastewater Division	British Columbia WWA	Leah MacGillivray, Kelsey Baker, Danielle Gutwillinger, Trudy Miller, Travis Reid, Matthew Waldie	Dr. Eric Hall (UBC)	Phosphorus Removal at the Whistler Wastewater Treatment Facility

	WEF Design Competition Historical Information							
2016				Northeastern University Environmental Division	New England WEA	Meghan Bruckman, Greg Coyle, Andrew Gillen, Alston Potts, James Mitchell Quine	Dr. Annalisa Onnis-Hayden	Restoring the Cycle: Northeastern University On-site Wastewater Reclamation Demonstration Project
2016				Milwaukee School of Engineering / University of Wisconsin - Platteville Environmental Division	Central States WEA	Jill Vande Boom, Gage Thompson, Jordan Fure, Zack Wallin, Titus Rubietta	Douglas Nelson (MSOE), Michael Penn (UW-Platteville)	Global Water Stewardship: Bahia Ballena, Costa Rica
2015	CDM Smith, Greeley and Hansen	2,500	1st	Wastewater Division	WEA of Texas	Kaylee Dusek, Abigail Klaus, Allison Leopold	Dr. Patricia Taylor	City of Grapevine Wastewater Treatment Plant Master Plan
2015		1,500	2nd	University of Idaho Wastewater Division	Pacific Northwest CWA	Eric Hughes, Derek Probst, Sharon Strom, Ben Carleton	Dr. Erik R. Coats, P.E.	Analysis of Design Alternatives to Achieve Nitrification at the Colfax, WA Reclamation Facility
2015		1,000	3rd	University of British Columbia / University of Northern British Columbia Wastewater Division	British Columbia WWA	Allison Matfin, Brenden Vissers, Stephanie Wall, Maureen Long, Clayton McBride	Dr. Pierre Berube (UBC)	Biomass to Biogas: A Preliminary Design Concept for Anaerobic Digestion
2015		750	4th	University of Windsor Wastewater Division	WEA of Ontario	Tania Farah, Amal Ghamrawi, David Tran, Rose Zhao	Dr. Raresh Seth	Nutrient Recovery and Process Improvements at the Ashbridges Bay Wastewater Treatment Plant
2015		2,500	1st	North Dakota State University Environmental Division	North Dakota WEA	Kellen Grubb, Luisa Torres, Anna Cunningham, Orsimo Page, Zach Cormican, Dain Synhorst, Jacob Mitzel, Shane Traulich, Zach Thelen, Kevin Kruger, Nick Wyers, Dane Ekdorn	Dr. Wei Lin	Water Reclamation for Irrigation of Softball Complex
2015		1,500	2nd	Florida Gulf Coast University Environmental Division	Florida WEA	Maxwell Goodacre, Erik Mead, Nathan Wunder	Dr. Simeon J. Komisar	Bioremediation of Phenol Waste Using Activated Sludge in a Hybrid-Batch Reactor
2015		1,000	3rd	University of South Florida Environmental Division	Florida WEA	Etienne Vawters, Ileana Wald, Alex Miller, David Lee, Samantha Flores	Dr. Sarina Ergas	City of Oldsmar Aquifer Storage and Recovery Well Rehabilitation
2015		750	4th	University of Wisconsin - Platteville Environmental Division	Central States WEA	Davin Peterson, Dylan Friss, Curtis Veit	Dr. Mike Penn	Piedras Blancas Collection and Treatment System
2015				University of Wisconsin - Platteville Wastewater Division	Central States WEA	Sarah Beam, Josh Koopmann, Bryce Corrigan	Dr. Mike Penn	Baraboo, Wisconsin Wastewater Treatment Facility Improvement Plan
2015				Utah State University Wastewater Division	WEA of Utah	Ali Salha, Ayman Alafifi, Kristopher Jarrett, Ruba Mohamed, Ahmad Bitar	Dr. Mike McFarland	Upgrading South Davis Sewer District - North Plant
2015				Virginia Polytechnic Institute and State University Wastewater Division	Virginia WEA	Catherine Grey, Maria Haas, Anton Kiree+H14+G14:114	Dr. Gregory Boardman, P.E., DEE, F.ASCE	Wastewater Treatment Plant Efficiency and the Modified Ludzack-Ettinger Process
2015				North Carolina State University Wastewater Division	North Carolina WEA	Hannah Banks, Jonathan Flehan, Zach Kiemak, Travis Voorhees	Dr. Joel J. Ducoste	Town of Pittsboro WWTP Expansion
2015				University of Maryland Baltimore County Wastewater Division	Chesapeake WEA	John Kemper, Erin Stapleton, Utsav Shashvatt, amatha Hopanna, Nicholas Rogers, Robert Burton	Dr. Lee Blaney	Broadwater Water Reclamation Facility Enhances Nutrient Removal Upgrade and Expansion
2015				University of Wyoming Wastewater Division	Rocky Mountain WEA	Ethan Rhodes, Eric Rice, Nicholas Berling	Dr. William D. Bellamy; Dr. Patricia J.S. Colberg, P.E.	Torrington, WY Wastewater Treatment Facility: Assessment, Evaluation, and Recommendations
2014	Bentley Systems, Black & Veatch, CDM Smith, Greeley and Hansen	2,500	1st	University of South Florida Wastewater Division	Florida WEA	Lauren Davis, Michael Esteban, Jared Faniel, Andrew Filippi, Winsome Jackson, Herby Jean, Richard Johnson	Dr. Sarina Ergas	South/Central Hissborough County Service Area Capital Improvement Project
2014		1,500	2nd	Utah State University Wastewater Division	WEA of Utah	Ayman Alafifi, William Fullmer, Dan Horne, Alexandra Rasband	Dr. Mike McFarland	Morgan, Utah Wastewater Lagoon Upgrade
2014		1,000	3rd	University of Wyoming Wastewater Division	Rocky Mountain WEA	Jonathan Herrboldt, TJ Gajda, Madison Gaulty, Dustin Wheeler	Dr. William D. Bellamy, Dr. Patricia Colberg, Dr. Michael Urynowicz	Nutrient Removal at the Robert W. Hite Treatment Facility: A Comprehensive Approach
2014		750	4th	Southern Methodist University Wastewater Division	WEA of Texas	Elle Holbrook, Leslie Hurley, Justin Vause	Julie Ellis	City of Decatur, Texas Wastewater Treatment Plant Master Plan
2014		2,500	1st	University of British Columbia Environmental Division	British Columbia WWA	Stephen Bertulli, Robert D'Amours, David Houghton, Davis Saabas, Michael Thiessen	Noboru Yonemitsu	Scenario Evaluation for Maintaining Baseflows and Water Quality in Star Creek
2014		1,500	2nd	University of Windsor Environmental Division	WEA of Ontario	Hajjar Ahmad Rial, Yanting Liu, Shibin Pennickara, Stephanie Shaw	Dr. Rajesh Seth	Upgrade of Colony Trail Stormwater Pond and Expansion of Stormwater Management
2014		1,000	3rd	Virginia Military Institute Environmental Division	Virginia WEA	Damian Arniaz, Tyler Brickles, Peter Buehlmann, Andrew Rotermund, Warner Thomas	Dr. Tim Moore	Eco-Latrines and Solar Showers in Bolivia
2014		750	4th	University of Miami Environmental Division	Florida WEA	Eric Antmann, Lucien Gassie, Katelyn Ireland, Sabina Rakhimbekova, Sathvika Ramaji, Raul Velarde	Dr. James D Englehardt	Advection-Diffusion Analysis and Potential Upgrade of SE FL Ocean Outfalls
2014				North Dakota State University Wastewater Division	North Dakota WEA	Paul Bervik, Ryan David, Kellen Grubb, Bryce DeGuise, Erin Mattern, Jay Miller, Dhriti Roy, Mitchell Swanson, Berdakh Utenmuratov	Dr. Wei Lin	West Fargo Wastewater Treatment Regionalization
2014				University of Maryland Baltimore County Wastewater Division	Chesapeake WEA	Elvis Andino Nolasco, Trevor Needham, Eli Patmont, James Sanders	Dr. Lee Blaney	Town of Onyota WWTP ENR Upgrade and Expansion Project

2014	WEF Design Competition Historical Information			Marquette University Wastewater Division	Central States WEA	Sara Breitzman, Andrea Dunn, Matt Fueston, Sarah Walsh	Dr. Daniel Zitomer	Southeastern Wisconsin Regional Resource Recovery Facility
2014				North Carolina State University Environmental Division	North Carolina WEA	Amir Gholami, Chris Mattox, Justin Pescosolido, Karen Stone	Dr. Joel J Ducoste	Rock Creek Lift Station Retrofit and Forcemain Design
2014				University of Illinois - Urbana Champaign Environmental Division	Central States WEA and the Illinois WEA	Amanda Caldwell-Jacques, William (Bill) Cheng, Reggie Jansen, Lance Langer	Dr. Jeremy S Guestq	Providing Sanitation to Peri-Urban Slums in Nairobi, Kenya
2013	Black & Veatch, CDM Smith, HDR Engineering, Greeley and Hansen, Parsons Brinckerhoff	2,500	1st	University of South Florida Wastewater Division	Florida WEA	Nicole Smith, George Dick, Melissa Butcher, Matthew Woodham, Margaret Cone	Dr. Sarina Ergas	City of St. Petersburg Biogas Utilization Project
2013		1,500	2nd	Southern Methodist University Wastewater Division	WEA of Texas	Allison Blake, Esther Kolkman, Madalym Liebum, Margaret Fryer	Julie Ellis	City of Gainesville, Texas Wastewater Treatment Plant Master Plan
2013		1,000	3rd	University of Colorado - Boulder Wastewater Division	Rocky Mountain WEA	Keith Bowhan, Kyle Gustafson, Corey Miller, Alec Thomas	Dr. Angela Bielefeldt	Clear View Consultants - Arsenic Removal From Waste Water
2013		750	4th	University of Wisconsin - Madison	Central States WEA	Antonio Garcia, Benjamin Kultgen, Daniel Schwartz, Sally Shumaker	Jae (Jim) Park	Closing the Loop on PET Recycling
2013		2,500	1st	University of British Columbia Environmental Division	British Columbia WWA	Michal Simhon, Christopher Lawson, Connor Wilson, Faith Furatian, Rony Das	Dr. Don Mavinic	Microalgae Cultivation and Harvesting: Design of Pilot Facilities at the Annacis Wastewater Academy
2013		1,500	2nd	University of South Florida Environmental Division	Florida WEA	Erin Morrison, Brett French, Caitlin Hoch, Josh Be3cker, Miki Skinner	Dr. Sarina Ergas	Booker Creek Watershed Evaluation and Design
2013		1,000	3rd	North Dakota State University Environmental Division	North Dakota WEA	Erin Mattern, James Mickelson, Weston McGRuder, Michael Quamme, Jacob Strombeck, Kevin Young, Tanush Wadhawan	Dr. Wei Lin	Sustainable Solution for Industrial Sugar Beet Spoilage for American Crystal Sugar Company
2013		750	4th	Environmental Division	and Illinois WEA	Manhard, Hector Briceno, Alyssa Sohn	Dr. Jeremy Guest	Combined Sewer Overflows in Mishawaka, IN
2013				Old Dominion University Wastewater Division	Virginia WEA	Joseph Bonneau, Jon DeArmond, Steven Kazmer, Shirley Luu	Dr. Gary Schafran	Virginia Initiative Wastewater Treatment Plant Upgrade
2013				University of Guelph Wastewater Division	WEA of Ontario	Breadley Free, Kyle Lockwood, Robyn Thompson, Tanzeel Ahmed	Hongde Zhou, Ph.D., P., Eng.	Expansion of the Newcastle Water Pollution Control Plant
2013				University of Nevada - Reno Wastewater Division	Nevada WEA	Ashely Kaiser, Jennu Mital	Dr. Eric Marchand	East Fernley Wastewater Treatment Facility Expansion Proposal
2013				Wastewater Division	WEA of Utah	Amir. M. Motlagh, Pei Huang, Ksheeraja Yakkala	Dr. Ramesh Goel	Fats, Oil, Grease (FOG) Recovery for Anaerobic Digestion Augmentation Feasibility Study
2012	Black & Veatch, CDM Smith, HDR Engineering, Greeley and Hansen	\$2,500	1st	University of Colorado - Boulder Wastewater Division	Rocky Mountain WEA	Kristin Johansen, Maria Cabeza, Matthew Huntze, Bailey Leppek, Alexandra Murray	Dr. Angela Bielefeldt	Broadmoor Park Properties Wastewater Treatment Plant Improvements
2012		\$1,500	2nd	Ryerson University Wastewater Division	WEA of Ontario	Nicholas Jones, Natasha Niznik, Daniel Baena	Dr. Manuel Alvarez Cuenca	Expansion of Port Dover WPCP
2012		\$1,000	3rd	University of South Florida Wastewater Division	Florida WEA	Robert Gaylord, Justin Terry, Matthew Wunz, Esteban Zaja, Yasmin Eskandari	Sarina Ergas	Hillsborough County Northwest Biosolids Improvements
2012		\$750	4th	Southern Methodist University Wastewater Division	WEA of Texas	Ingrid Castillo, Patricia Coogan, Amy Heldenbrand	Professor Fritz Beck	Weatherford WWTP Master Plan
2012		\$2,500	1st	University of South Florida Environmental Division	Florida WEA	Danielle Bertini, Micah Blate, Lyudmila Haralampieva, Emily Patrick	Sarina Ergas	Ragan Park by Green Solutions
2012		1,500	2nd	North Carolina State University Environmental Division	North Carolina WEA	Kirk Spicer, Matthew Woelfle, Ruth Small, Katie Dorety	Dr. Detlef Knappe	Stormwater Best Management Practices Retrofit, Durham Plaza, Durham NC
2012		\$1,000	3rd	Environmental Division	North Dakota WEA	Strombeck, Leslee Storlie, Ashley Roder, Joseph Rezac, Race	Dr. Harvey Gullicks	Feasibility of Landfill Gas Recovery in the Grand Forks, ND Landfill
2012		\$750	4th	Virginia Military Institute Wastewater Division	Virginia WEA	Patrick Sexton, Thomas Battiata, John Partin, Peter Knesler, Peerawat Noon Charuwat	Timothy Moore	Conceptual design for the treatment of wastewater generated at a medical center located in town of B
2012				University of Illinois at Urbana-Champaign Environmental Division	Central States/Illinois WEA's	Alyssa Sohn, Chinedu Onyejekwe, John Watson, Kevin Weyant	J Bruce Litchfield	Sustainable Water Development for Rural Nigeria
2012				North Dakota State University Wastewater Division	North Dakota WEA	Joshi, Abdul Namrou, Michael Quamme, Joseph Rezac, Ashley Roder, Race Rolland, Jacob Strombeck, Leslee Storlie, Mitchell	Dr. Wei Lin	Achieving Low Level Nitrogen and Phosphorus Concentrations in the Moorhead WWTP Effluent

2012	WEF Design Competition Historical Information			University of Utah Wastewater Division	WEA of Utah	Nicholas Jones, Natasha Niznik, Daniel Baena	Dr. Manuel Alvarez Cuenca	Expansion of Port Dover WPCP
2011	Black & Veatch, CDM, Greeley and Hansen, Parsons Brinckerhoff	\$2,500	1st	University of Wyoming - Wastewater Division	Rocky Mountain WEA	Darrin Harris, Emily Hutn, Colin Reinert, Ariya Walker	Dr. Jonathan Brant	Preliminary Design for Upgrading the Littleton / Englewood Wastewater Treatment Plant for Phosphor
2011		\$1,500	2nd	Utah State University - Wastewater Division	WEA of Utah	Riley Bradshaw, Diana Priubble, Camilla Snow	Dr. Ryan Dupont	Logan Wastewater Treatment Lagoons: Phosphorus Recution Alternatives
2011		\$1,000	3rd	Southern Methodist University - Wastewater Division	WEA of Texas	Allison Reinert, Mary Moore, Jill Matus, Sarah Shepard	Mr. Fritz Beck and Ms. Julie Ellis	Reevaluation of Biosolids Handling Operations at the Dos Rios Water Recycling Center
2011		\$750	4th	University of North Florida - Wastewater Division	Florida WEA	Mike Williams, Dustin Dykes, Anthony Gennette	Dr. Chris Brown	JEA Southwest Wastewater Treatment Facility Alternative Effluent Disposal Evaluation and Plan
2011		\$2,500	1st	University of Florida - Environmental Division	Florida WEA	Javier Briz, Jake Diamond, Emenderson, Xavier Rios, Jackie Martin, Robert Compton, Yuan Gan, Mallory Peterson	Dr. John Sansalone, P.E.	Stormwater Cycling Design Options in an Urban Industrial Watershed
2011		\$1,500	2nd	Environmental Division	WEA's	Jacob Becraft, Jason Freeck, Yana Genchanok, Marika Nell	Dr. Charles Werth	Use of Bone Char for the Removal of Arsenic and Uranium from Groundwater at the Pine Ridge Rese
2011		\$1,000	3rd	North Dakota State University - Environmental Division	North Dakota WEA	Jason Baker, Emord Harverson, Steven Jensen, Anthony LaFontain, Abdul Namrou, Leslee Storlie, Jacob Strombeck,	Dr. Wei Lin	Water and Environmental Issue Due to Oil Production in North Dakota
2011				University of Guelph - Wastewater Division	WEA of Ontario	Alexandra Chan, Adam Erb, Cynthia Mason	Dr. Hongde Zhou	Acton Wastewater Treatment Plant Expansion
2011				University of North Dakota - Wastewater Division	North Dakota WEA	Tyler Myers, Ross Mullen, Jordan Geiger	Dr. Charles Moretti	Digester Retrofit to Produce Class B Biosolids
2011				Virginia Tech - Wastewater Division	Virginia WEA	Brandon Flora, Mark Rogers, Amanda Sain	Dr. John Novak	Preliminary Engineering Report for the Springfield Pump Station 11 Service Area Evaluation
2010	Black & Veatch, CDM, Greeley and Hansen, Parsons Brinckerhoff	\$2,500	1st	Southern Methodist University - Wastewater Division	WEA of Texas	Ruthanne Bruch, Valerie Lemmons, Shannon Silveira	Juliene Ellis - Team Sponsor	Settler's Village Wastewater Treatment Plant Expansion
2010		\$2,500	1st	University of Florida - Environmental Division	Florida WEA	Stacey Smich, Haley Carter, Marie-Odile Fortier, Joseph Delesantro, Timothy English, Adam Marquez, Julie Midgette, David Brooks, Darryl Marois, Viet Nguyen, Wilton Mui	Dr. John Sansalone	Green Infrastructure Design for Pollutant Control From Transport Systems Crossing Land-Water Interfaces - A Bridge too Far?
2010		\$1,000	2nd	Ryerson University - Wastewater Division	WEA of Ontario	Nancy Afonso, Ruston Bedasie, Kirill Cheiko, Andrew Iammatteo	Dr. Manuel Alvarez-Cuenca	Port Darlington WPCP Expansion Proposal
2010		\$1,000	2nd	University of Illinois - Urbana Champaign - Environmental Division	Central States/Illinois WEA's	Ian Bradley, Anthony Straub, Alyssa Sohn, Paul Folwarski	Dr. Thanh H. (Helen) Nguyen	Removal of Waterborne Viruses Using Iron-Amended Biosand Filters
2010		\$750	3rd	Colorado State University - Wastewater Division	Rocky Mountain WEA	Andrew Case, Stephen Goodwin, Lucas Loetscher, Sophie McKee	Dr. Ken Carlson	Assessment of Future Treatment Strategies for the Denver Water Department
2010		\$750	3rd	University of North Dakota - Environmental Division	North Dakota WEA	Brian Kistner, James Norberg, Ross Mullen, Tyler Myers, Hasibul Hasan	Dr. Harvey Gullicks, P.E.	Membrane Brine Reuse
2010		\$500	4th	University of South Florida - Wastewater Division	Florida WEA	Madelyn Rubin, Angela Krause	Linda Phillips	Design of a Waste Treatment Solution for the Colcapirhua Municipal Matadero
2010		\$500	4th	University of Waterloo - Environmental Division	WEA of Ontario	Barry O'Doherty, Brittney Martin, Andrew Ward, Peter Lin, Brendan McDonald, Prashant Shekhar, Prasahnt Sivarajah	Dr. Eric Prouzet	Portable Self Cleaning TiO2 Water Filter
2010				North Dakota State University - Wastewater Division	North Dakota WEA	Jason Baker, Daniel Berthe, Anthony LaFontain, Daniel Portlock, Jacob Strombeck, Tanush Wadhawan	Dr. Wei Lin	Solids Handling Modifications to the Grand Forks Waste Water Treatment Plant
2010				South Dakota State University - Wastewater Division	South Dakota WEA	Chino Olson, Dan Olson, Brian Stephens, Randi Eshen, Nabin Basnet, Sadichya Amatya, Ujwal Pandey, Maythem Faris, Hannaa Faris, Grzegorz Brudecki, Iwona Cybulska,	Dr. Christopher Schmit	Design of Membrane Bioreactor for the City of Sioux Falls
2010				Wastewater Division	Virginia WEA	Kartik Radhakrishnan	Dr. John Novak	Preliminary Engineering Report for the 2 MGD Strasburg Sewage Treatment Plant Expansion
2009	Black & Veatch, CDM, CH2M HILL, Greeley and Hansen, Malcolm Pirnie, Parsons, MWH	\$2,500	1st	University of Colorado - Boulder - Wastewater Division	Rocky Mountain WEA	Leanne Miller, Sean Aronson, Rishabh Iyer, John Craven, Bradley Short, Jayson Ellis	Dr. Angela Bielefeldt	Robert W. Hite Treatment Facility: South Complex Secondary Treatment Upgrade, Denver, CO
2009		\$2,500	1st	University of Florida - Environmental Division	Florida WEA	Ruben Kertesz, Kerrilynn Maccarone, Saurabh Rajee, Karl Seltzer, Michele Siminari, Peter Simms, Brandon	Dr. John Sansalone	Green Infrastructure and LID Design for a Florida Constructed Environs Subject to Rainfall-Runoff Lo
2009		\$1,000	2nd	University of Toronto - Wastewater Division	WEA of Ontario	Tony Tsui, Lyutfiye (Luccia) Gafarova, Sherif Kinawy, Rafiq Qutub	Dr. Barry Adams	Design of the Rosebank Sewage Pumping Station, Pickering, Ontario
2009		\$1,000	2nd	University of Minnesota - Environmental Division	Central States WEA	Adam Both, Steve Hankey, Eric Hettler, Greta Schmalle	Dr. Julian Marshall	Engineers Without Borders: Water Supply in Rural Uganda
2009		\$750	3rd	University of Florida - Wastewater Division	Florida WEA	Tejas Bhamburkar, Hwan Chul Cho, Victoriano de Jesus, Matthew Joiner, Eelhard Meneses, Vanessa Pineda, Katherine Roark	Dr. John Sansalone	A Reclaimed Water Design for Combined Rainfall-Runoff and Wastewater Loadings
2009		\$500	4th	Southern Methodist University - Wastewater Division	WEA of Texas	Drew M. Aleto, Angellia M. Chandler	Dr. Jim Yu	Biological Nutrient Removal Design for Trinity River Authority's Central Regional Wastewater System
2009				Iowa State University - Wastewater Division	Iowa WEA	Daniel Fleege, Samuel Coter, Sara Schmeig, Andrew Sindt	Dr. Say-Keo Ong	Clinton, Iowa Combined Sewer Overflow and Stormwater Management Solutions

2009	WEF Design Competition Historical Information			North Dakota State University - Wastewater Division	North Dakota WEA	Michael Vipond, David Johnson, Eric Gunderson, Jacob Strombeck, Aaron Voller, Leif Sande, Courtney Homan, Audra Poehls, Patrick Dunlap, Tony Hafner, David Weam, Corey Bjornberg, Boone Maruska	Dr. Wei Lin	Wastewater Reclamation: Securing a Future for West Fargo
2009				South Dakota State University - Wastewater Division	South Dakota WEA	Chris Olson, Jen Nelson, Lisa Snyders, Michael Leuthold, Dan Julson Sadichy Amatya, Nabin Basnet, Rahul Chowdary, Grzegorz Brudecki, Iwona Cybulska, Sean Sielor	Dr. Christopher Schmit	Evaluation of Solids Thickening Alternatives for a Municipal Wastewater Treatment Plant
2009				University of Wisconsin - Madison - Wastewater Division	Central States WEA	Nick Bartolerio, Daniel Bauknecht, Joshua Gable, Michael Sargent, Hiroko Yoshida, Kevin Ziolo	Dr. Jae (Jim) Park	The Application of Co-Digestion in Madison, WI and Surrounding Communities
2009				Utah State University - Wastewater Division	WEA of Utah	Jon Farrell, Andrew Hobson, Dustin Hansen, Anna Gentry	Dr. Ryan DuPont	Coalville Water Reclamation Facility Expansion
2008	Black & Veatch, CDM, CH2M HILL, Greeley and Hansen, Hazen and Sawyer, Malcolm Pirnie, Parsons, MWH	\$3,000	1st	University of Florida	Florida WEA	Felipe Behrens, Anthony Centurione, Matthew Diamond, Brendan McGrath, Laila Salter, Molly Scheiner	Dr. John Sansalone	Design Alternatives for the Tallahassee Reclaimed Water District
2008		\$2,000	2nd	North Dakota State University	North Dakota WEA	Christopher B. Hill, Corey Bjornberg, Dustin Dale, Patrick Dunlap, Kyle Fitterer, Scott Kolbinger, Eric Gunderson; Aaron Volmer, Paul Vukonich, Michael Vipond, Kristin Moorhouse, Daniel Portlock, Zachary B. Muraska, Dustin Dale, Leif Sande	Dr. Wei Lin	Sustainable Design: Upgrading the Grand Forks Wastewater Treatment Facility
2008		\$1,500	3rd	University of Wisconsin - Madison	Central States WEA	Joe Klett, Chanel Kass, Jonas Balistreri, Tracey Cadkin	Jim Park	Application of Reed Beds in Nine Springs WWTP, Madison, Wisconsin
2008		\$1,000	4th	Illinois Institute of Technology	Central States/Illinois WEA's	Mark Rokita, Dhesikan Venkatesan, Algirdas Bielskus	Dr. Krishna Pagilla	Sustainable Water Supply and Distribution System for Pignon, Haiti
2008				University of Illinois - Urbana Champaign	Central State/Illinois WEA's	Bin Guo, Hossain Azam, James Meissen, Xiaofeng Ye, Xinyu Zhang	Dr. Eberhard Morgenroth	Retrofit of Wastewater Treatment Plant for Biological Nitrogen Removal
2008				University of Wyoming	Rocky Mountain WEA	Jason Anderson, Luke Darnell, Louis Engels, Matt Scarborough, Tyler Smits	Mike Urynowicz	Upgrading the South Water Reclamation Facility at Erie, CO
2008				Iowa State University	Iowa WEA	Steven Dickey, Dan Fleege, Bruno Orticelli	Dr. Say K Ong	Biological Phosphorus Removal at the Marshalltown, Iowa Wastewater Treatment Plant
2008				Virginia Tech	Virginia WEA	Sarita Banjade, Archana Subramaniam, Matt Chan, Charan Tanneru, Yaofu Zhang	Dr. John Novak	Development of a Reuse Plan for the New Kent County Parham Landing Wastewater Treatment Facility
2008				Texas Tech University	WEA of Texas	Nick Landes, Darryl Low, Kasey Hart, Ryan Marshall, Rishina Dobhal, Ulrika Van Niekerk		Peak Wet Weather Flor Alternative Treatment
2007	CDM, CH2M HILL, Greeley and Hansen, and MWH	\$2,000	Tie for 1st	University of Florida (STAR Gators)	Florida WEA	Ken Friedman, Sachin Gadekar, Stephanie Henry, Wendi Leanhardt, Rebecca McLarty, Deborah Rhoden, Katrina Roberts, Christian Schmidt	Dr. John Sansalone	Design Alternatives for the Expansion of the South Tampa Area Reclaimed Project (STAR) in Tampa, Florida
2007		\$2,000	Tie for 1st	North Dakota State University	North Dakota WEA	Christopher Hill, Corey Bjornberg, Matt Baker, Zachary Maruska, Dustin Dale, Brian Gaddie, Marja Ekola, Celia Norgaard	Dr. Wei Lin	Design for the Future: Upgrade of an Existing HOP-AS Process
2007		\$900	2nd	University of Florida (Squadra Tre)	Florida WEA	Ruth Burney, Mark Depaul, Nan Feng, Heath Hardy, John Palenchar, Fernando Parra-Ferro, Elizabeth Watson	Dr. John Sansalone	Design Alternatives for the Expansion of the South Tampa Area Reclaimed Project (STAR) in Tampa, Florida
2007		\$750	3rd	Virginia Tech	Virginia WEA	Gaurav Bansai, Sam Hardin, Karthik Manchala, Rachel Methvin, Roberta Niemietz	Dr. Nancy G. Love	Liquid Side Treatment Options for the Proposed Lawnes Point Subdivision
2007				Iowa State University	Iowa WEA	Xi Jiang, Po-Heng (Henry) Lee, Thanapong (Jack) Dunagmanee, Yashodhara Kambam, Ryan Townsend	Dr. Shihwu Sung	Upgrading Ames Water Pollution control Facility
2007				University of Illinois	Central States/Illinois WEA	Amanda Olsen, Andy Lenkaitis, Dan Koch, Greg Byard, Greg Goodwin, Hoe Good, Stephan Anderson, Jacob Mitchell, Malia Appleford, Brandon Kocher, Luke Zwilling	Dr. Prasanta Kalita	An Innovative System for Bioremediation of Contaminants in Surface Waters
2006	CDM, CH2M HILL, HDR, MWH	\$2,500	1st	University of Florida	Florida WEA	Diane Bennett, Teri Liermann, Gautam Kini, Mauricio Arias	Dr. John Sansalone	Orange County Utilities Northwest Reclamation Facility: Expansion Proposal
2006		\$1,000	2nd	Virginia Tech (Team 1)	Virginia WEA	Jeffrey Sparks, Mike Fessler, Francisco Cubas Suazo, Rebecca Lattyak	Dr. Nancy G. Love	Evaluation of the New Kent County Parham Landing Wastewater Treatment Facility for Expansion and Upgrading
2006		\$750	2nd	North Dakota State University	North Dakota WEA	Haley Watson, Christopher Hill, Matt Baker, Corey Bjornberg, Zach Maruska, Taylor Amiot, Ben Jilk, Ben Julson, Jake Kuntz, Adam Wilson	Dr. Wei Lin and Dr. Eakalak Khan	Design of Sanitary Sewer Overflow Management System, for Fargo, North Dakota
2006		\$500	4th	University of South Florida	Florida WEA	Karen Lowe, Ana Garcia, Timothy Ware, Virgil Versaggi	Dr. Audrey Levine	Orange County Utilities Northwest Reclamation Facility: Expansion Proposal
2006				Northeastern University	New England WEA	Jennifer Kessler, Crystal Lee, Anne Mikelonis, Debra Weissman	George Sprouse & Joe Fitz	Improved Wastewater Treatment in Portobelo, Panama
2006				Virginia Tech (Team 2)	Virginia WEA	Jeremy Guest, Jason Beck, Heather Johnson, Catherine Kely, Angel Johnny Velasquez	Dr. Nancy G. Love	Evaluation of the New Kent County Parham Landing Wastewater Treatment Facility for Expansion and Upgrading
2005	CDM, CH2M HILL, HDR, MWH	\$2,500	1st	University of South Florida	Florida WEA	John Maloney, Scott Richards, Andrew Koebel, Jessica Garner	Dr. Audrey D. Levine, P. E.	Feasibility Analysis of Alternatives for the Royal Lakes WWTP: TMDLs, Reuse, or Decommission
2005		\$1,000	2nd	Virginia Tech	Virginia WEA	Lauren Zuravnsky, Christopher Wilson, David Borys, Passkorn Khanthongthip	Dr. Nancy Love, Dr. John Novak	Evaluation of Biosolids Management Options for the city of Richmond's Wastewater Treatment Plant
2005		\$700	3rd*	University of Wisconsin at Platteville	Central States WEA	Bob Doeringsfeld, Brian Veit, Brett Gee	Dr. Max Anderson, Ph.D., PE, DEE	Assessment of Stormwater Management Needs for Potosi, WI
2005		\$700	3rd*	North Dakota State University	North Dakota WEA	Jarroed Breuer, Adam McGill, Nathan S. Miller, Ratpukdi Thunyalux	Dr. Wei Lin and Dr. Eakalak Khan	Control of Struvite Formation in Anaerobically Digested Sludge Supernatant at the city of Bismarck Wastewater Treatment Facility

Year	Client/Agency	Amount	Rank	Academic Institution	Organization	Faculty/Staff	Advisor	Project Title
2004	Black & Veatch, CDM, CH2M HILL, HDR, Kennedy/Jenks Consultants, MWH	\$2,500	1st	University of Washington	Pacific Northwest CWA	Linda Gaulke	Dr. David Stensel	Reducing methanol Requirements for the LOTT Biological Nutrient Removal Wastewater Treatment Plant
2004		\$1,000	2nd	University of Central Florida	Florida WEA	Jeff Flairty, Jesus Garcia, Teri Carson, Susan Ehling, Boyd Jenkins	Debra Reinhart	Aerobic Digestion System Design Alternatives for West Palm Beach, Florida
2004		\$750	3rd	North Dakota State University	North Dakota WEA	Brent Hanson, Jason Lind, Murthy Kasi, Waylon Erdman, Brajesh Gautam, Mathew Beard	Dr. Wei Lin	Evaluation of Hydrogen Sulfide Control for the City of Fargo
2004		\$500	4th	State University of New York at Buffalo	New York WEA	Daniel Milewski, Jason Golubski, Jason Sciandra, Nathan Simon	Dr. Alan J. Rabideau, Ph. D, P.E.	Evaluation of Solids Handling Alternative for a Western New York Wastewater Facility
2003	Black & Veatch, CDM, CH2M HILL, MWH	\$2,500	1st	University of Central Florida	Florida WEA	Michelle Hanson, Brenda Keenan, Mimi Perez Falcon	Debra Reinhart	Biosolids Treatment and Disposal Alternatives for Altamone Springs, Florida
2003		\$1,000	2nd	State University of New York at Buffalo	New York WEA	Daniel Milewski, Jason Golubski, Jason Sciandra, Lisa Gwiazdowski, Nathan Simon	Dr. Alan J. Rabideau, Ph. D, P.E.	The Enhanced Feasibility Study of the AVM - Gowanda Inactive Hazardous Waste Site
2003		\$750	3rd	University of Florida	Florida WEA	Heath Wintz, Courtney Skinner, Veronica Sgro, Brent Weidenhamer, Tyler Evertt, John Dottellis		Biosolids Treatment and Disposal Alternatives for Altamone Springs, Florida
2003		\$500	4th	Massachusetts Institute of Technology	New England WEA	Adriana Rodriguez	Francis Hopcroft	Cost Effective Dairy Wastewater Remediation Through Mechanical and Biochemical Filtering
2002			1st	State University of New York at Buffalo	New York WEA	Daniel Brown, Howard Kellick, Jean Balent, and Samuela Franceschini	Dr. Alan J. Rabideau, Ph. D, P.E.	Source Water Study for Letchworth State Park
2002			2nd	University of Florida	Florida WEA	Brent Burford, Elizabeth O'Brien, Jennifer Hobbs, Shanna Ratnesar, and Yvonne Vander		
2002			3rd	University of Wisconsin	Central States WEA	Daphne Eder, Jason Grimm, Kevin Schubert and Sean Von Bergen		
2002			4th	University of Arkansas	Arkansas WEA	Shada Roberts		Lakeview Estates Subdivision: Water and Wastewater Layout