

ENVIRONMENT + ENERGY LEADER AWARDS 2020





MAGNATION WATER TURBULATOR

Magnation Water's Turbulator product is a patented inline, no-salt water softener that the company says doesn't require any chemicals, electricity, or maintenance as soon as it's installed at a main pump, the bottom of a well, or an incoming main line. The Turbulator can treat hard water problems, including preventing and reversing mineral scale, reducing pumping costs by as much as 42%, and saving billions of gallons of water across industries that include agriculture, landscape and turfgrass irrigation, industrial, and residential use, according to Magnation Water.

As the company explains, water molecules bond with minerals and gasses in naturally occurring conditions to form water molecule clusters — also known as hard water — with high surface tension, which causes excess friction during the movement of water. The Turbulator pulls apart the bonds that keep the gasses and minerals trapped in the oversized water clusters, and then polarizes the liberated molecules,

the company said. This polarization prevents molecules from sticking together, mitigating scale formation and biofilm as well as preventing the cavitation that allows bacteria to flourish.

The Turbulator inline water treatment system relies on physics rather than electricity or chemicals to achieve results. It mimics nature by creating rainlike water, reducing chemical contamination, improving soil productivity, crop yields, and plants as well as reducing carbon dioxide (CO₂) emissions, according to Magnation Water. With this product, surface runoff, evapotranspiration, and percolation are no longer problems — and each drop of water becomes more productive, the company said.

One of their agriculture customers commented, "In a typical year in Central Nebraska, we pump seven acre inches of irrigation water on our corn crop on a quarter-section pivot. With the field-proven conservative 25% savings in pumping requirements, once Turbulator is installed, the

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WHAT THE JUDGES SAID...



A superior product that hits the mark relative to energy savings standards worthy of recognition."

amount of water we save annually is huge." A residential community in Colorado reported saving 10 million gallons for their fields and irrigation, and a school district in California said that using the Turbulator improved moisture retention by 251% and used 50% less water. 🌱



2020 JUDGING PANEL



AMY BOND

*Energy and
Sustainability Program
Manager, T-Mobile*

Amy is the energy and sustainability program manager for T-Mobile, which merged with Sprint in 2020. Her expertise includes power and utilities procurement for legacy Sprint's \$260 million utility budget, building energy optimization strategies for their 12-million-square-foot portfolio, corporate goal positioning, growing green transportation access, carbon disclosure leadership, and most recently securing Sprint's very first virtual power purchase agreements.

She is a LEED AP, has contributed to four successful LEED certifications, and in 2014 garnered the EPA WasteWise Partner of the Year for very large companies in recognition of her industry leading waste diversion program.

Amy is a graduate of the University of Kansas, with a degree in psychology and this year earned her certification for supply chain procurement, logistics, and negotiation from the university. She is also certified in CDP and GRI reporting, and is currently pursuing an MBA at Baker University. Prior to her "green" career, Amy was an award-winning weekly newspaper publisher and columnist in Washington State. She also served as a marketing professional and special events coordinator. In 2019, Amy was selected as an Environment + Energy 100 honoree.



PETER BUSSEY

*Research Analyst,
LNS Research*

As a research analyst with LNS Research, Peter Bussey primarily focuses on how digital technologies transform environment, health and safety (EHS), connected worker, integrated risk management, and sustainability performance in the industrial sector. Mr. Bussey has more than 30 years of experience in manufacturing, consulting, and technology to support EHS management, R&D, asset management, risk management, product life-cycle management (PLM), enterprise asset management (EAM), and supply chain. He has held key positions at global companies such as SAP, Alcoa, Michael Baker Corporation, Arthur D. Little, and Oracle. Mr. Bussey earned a master's of science in environmental health from Harvard University, a master's of public management with distinction from Carnegie Mellon University, and a BS in natural sciences with departmental honors from Johns Hopkins University.

2020 JUDGING PANEL



KIRBY DIPERT

*Field Engineer,
TRC Companies*

As a field engineer with TRC Companies, Kirby brings a wealth of knowledge and experience from his professional endeavors in energy efficiency, energy management, and sustainability philosophies. His work ethic and drive to consult with customers and help them solve problems is matched by his desire to educate the public about new energy efficient solutions and sustainable practices. In 2019, he became an Environment + Energy Leader 100 honoree.

Kirby holds an MBA from the Weatherhead School of Management, an MPA and a Professional Certificate in sustainable studies from Indiana University South Bend. He is also a LEED Green Associate and the board chair for the North Central Branch of the USGBC in Indiana.



JODY EAST

*Plant Engineer,
Wellborn Cabinet*

Jody East has a broad range of experience including military, engineering, environmental, and project management. Of his three decades in engineering, the majority include the management of environmental compliance and permitting. Project management has included everything from small process improvement projects up to 235,000 square-foot buildings, as well as large biofuels projects. As a large company's chief plant engineer, he is also responsible for the corporate sustainability efforts including recycling, waste management, and energy management as well as corporate property loss prevention and risk management.

In his spare time he has served on several local boards and is currently serving as the chairman of the County Water Authority Board of Directors. His specialties include building energy systems, utilities/service/MCC design and management, IR Thermography-Certified Level II, Arc Flash/Short Circuit Analysis, environmental management/regulations/compliance/permitting, and CAD/CAM/CAE. Jody loves spending time with his family camping, and on good nights he's an amateur astronomer.



BILLY GRAYSON

*Executive Director,
Center for Sustainability
and Economic
Performance, Urban
Land Institute*

Billy Grayson is the executive director for the Center for Sustainability and Economic Performance at the Urban Land Institute, a nonprofit education and research organization that focuses on land use, real estate, and urban development. Mr. Grayson manages a team leading programs on climate risk and resilience, health and wellness, and building energy and environmental performance. ULI works with members, community leaders, coalition partners, and other key stakeholders to build awareness around sustainability issues in the built environment, and to provide our members with the tools and resources they need to cost-effectively drive sustainability into their projects and operations.

2020 JUDGING PANEL



JAMES GOUDREAU

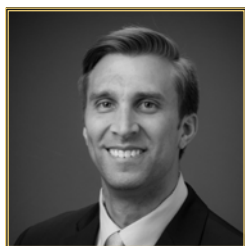
*Head of Climate,
Novartis Business
Services*

James Goudreau crafts strategy and policy for Novartis to increase climate resilience, reduce GHG emissions, and increase energy resilience across their global operations. These efforts include managing a diverse portfolio of efforts in technology, partnerships, renewables procurement, and climate risk assessments designed to achieve efficiency, resilience, and greater shareholder value. He is also serving on the Carbon Removals Technical Working Group for the revision of the Greenhouse Gas Protocols.

Prior to joining Novartis, he culminated a military career as a US Navy Captain working on energy and climate security issues in the Pentagon. As the Acting Deputy Assistant Secretary of the Navy (Energy) he focused on increasing operational capabilities and climate resilience globally for the US Navy and US Marine Corps.

He is a member of the Climate Security Action Group at the Center for Climate and Security at the Elliot School of International Affairs at George Washington University, and is a member of the Consensus for American Security at the American Security Project. He also works to improve sustainability and climate resilience in the Boston area as a member of the Board of Directors for the Cambridge Compact for a Sustainable Future and a member of the Board of Directors for A Better City, and was selected for the 2017 Energy Manager Today 50.

James has completed the Tuck Executive Program at the Dartmouth College Tuck School of Business and holds a bachelor of science in business administration degree from Norwich University as well as a master's in management from Troy University. He resides in Newburyport, Massachusetts, with his wife Jennifer Goudreau, and their daughter.



KYLE GUMTO

*Energy Procurement
and Environmental
Sustainability Manager,
Cardinal Health*

Kyle Gumto is the manager of energy procurement and environmental sustainability for Cardinal Health headquartered in Dublin, Ohio. He leads the corporate energy procurement, environmental sustainability, and utility bill management programs. He provides subject matter expertise on greenhouse gas emissions, energy efficiency, environmental sustainability initiatives, external sustainability reporting, and renewable energy projects. He identifies and promotes projects with triple bottom line business perspectives with social, environmental, and financial value.

Kyle holds an MBA, a MS in environmental studies, a BS in industrial hygiene, and a BS in environmental health all from Ohio University. He is a proud Eagle Scout, an honoree of the 2018 Environmental Leader 75, and a graduate of the 2018 US DOE National Renewable Energy Laboratory (NREL) Executive Energy Leadership Program.

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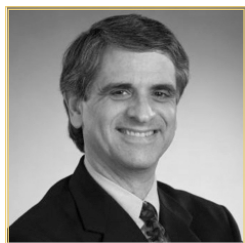


JOHN HODGES

*Global Sustainability
Manager, Wyndham
Destinations*

John Hodges is a global sustainability lead with a focus on a company's environmental, social, and governance (ESG) programs. In his current role, he has improved energy efficiency of buildings, developed a carbon accounting program, worked towards water stewardship, and reduced diversion rates while increasing reforestation. He is tasked with creating innovative solutions through integrated reporting, the UN SDGs, global partnerships, and programs to mitigate climate change and promote social justice, including #climatejustice. John also serves as the president of the board for Sustainable Morristown, a nonprofit organization that works as the town's "green team" towards the education and engagement of town residents.

He holds a BA in hospitality from Fairleigh Dickinson University and is working toward an MS in sustainability management from Columbia University in 2021.



BEN LARKEY

*Principal and Consultant,
BAL Associates*

Ben Larkey has been a corporate social responsibility (CSR) and sustainability professional for more than 30 years with varied organizations including government, NGO, and Fortune 500 corporations. As a CSR manager for global programs, he improved sustainability, energy, and compliance programs, and won 12 national environmental awards for companies including Canon, Verizon, and Sharp.

Ben has been recommended as an effective manager with success in varied sectors including retail with customer service, corporate responsibility, compliance, EHS and sustainability programs: business development, risk management, optimal resource use — teams, supply chain, zero waste, energy conservation and renewables, water — and continual improvement. He is proactive, and had creative success with compliance, organizational development, planning, management of complex programs, teams and facility operations as well as metrics, reporting, training, public relations and marketing, research and development, and cost reduction.

Ben has authored articles in publications as well as participated as a speaker in trade show panels, meetings, and academic sustainability programs including Rensselaer Polytechnic Institute, and Pace University Law School. He is also a musician and privileged to have been a caregiver for family members intermittently since 2007.



IAN LIFSHITZ

*Vice President of
Sustainability and
Stakeholder Relations
for the Americas,
Asia Pulp & Paper*

Ian Lifshitz is responsible for leading Asia Pulp & Paper (APP)'s sustainability and related stakeholder engagement programs across Canada, the United States, and South America. Ian is also charged with leading the company's North American CSR activities, translating and communicating many of APP's successful conservation, biodiversity and social community programs to North American audiences.

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**CHARLES MCEWAN**

*GEMS Program
Manager, Atlanta
Veterans Health Care
Administration*

Mr. McEwen has over 20 years of combined professional experience in industrial hygiene, environmental health and safety (EH&S) compliance, and biological safety. He currently serves as a GEMS program manager for the Atlanta Veterans Health Care Administration. In this role, Mr. McEwen manages a 26-acre main campus and 22 community-based outpatient clinics throughout metro Atlanta.

The Green Environmental Management System (GEMS) utilizes ISO 14001 standards to manage the facilities environmental sustainability and environmental programs compliance. Mr. McEwen is the facility subject matter expert to ensure compliance with all local, state, and federal environmental laws and regulations are followed. Over the past several years, the Atlanta VAHCS GEMS program has received national recognition for winning environmental and sustainability awards from the Environmental Protection Agency. In addition, establishing industry best practices and winning numerous national environmental and sustainability awards from various organizations.

**DAVE MEYER**

*Principal Consultant,
BSI EHS Services
and Solutions*

Dave Meyer is a principal consultant with BSI EHS Services and Solutions, a full service environmental, health, safety (EHS) and sustainability consulting firm. Dave's principal focus is to help organizations achieve environmental sustainability program excellence, leverage regulatory compliance risks, and optimize organizational effectiveness. Dave has over 35 years of progressive experience in environmental sustainability, environmental performance and metrics, responsible sourcing, and green supply chain management, corporate responsibility EHS management systems planning and implementation (ISO 14001, OHSAS 18001), permitting and multi-media compliance and environmental liability auditing.

Dave's expertise extends across many industry sectors: renewable energy, clean tech, food and beverage, semiconductor, consumer electronics, chemicals and plastics, pharma and biotech, mining, oil and gas, aerospace, forest products, transportation, public works, transportation, financial, legal, and government. Dave is presently an advisory board member for the Sustainable Business Forum and 2Degrees Network Sustainable Supply Chain Working Group.

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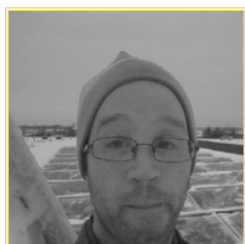


MARY JO PRESS

*Global Safety
Center of Excellence
Management, Tesla*

Mary Jo Press has worked for Tesla since 2017 and has already seen significant improvements in leadership engagement in EHS. Her current focus is on standardization of policies and programs across operations. She had direct site EHS leadership of the casting operations at Tesla before moving into her global role. In her past career roles, she has a history of driving performance in large food, beverage, tobacco, packaging, and automotive industries. She volunteered as a nationally registered paramedic for many years. This role helped her to see injuries at many sites and helped her obtain a better vision of how to help someone avoid an injury and not just respond post-injury. Her passion is to responsibly pursue a safe and sustainable community in the Native American tradition of not depleting the earth and spirit of our global community.

Mary Jo has a desire to see others learn and grow. She has taught in the community college system as an adjunct professor in industrial and environmental management, served on professional national leadership committees and mentored other safety professionals through the American Society of Safety Professionals. Mary Jo is a sustainability management certified professional (SMCP), a certified fire protection specialist (CFPS), and global safety professional (GSP). She serves as secretary of the board of directors for the Sustainability Management Association. Mary Jo holds a bachelor's degree in chemistry from North Carolina State University and an MS degree in occupational safety and health from Columbia Southern University, where she graduated with honors and induction into Sigma Alpha Pi Honor Society – National Society of Leadership and Success.



TRAVIS SOLBERG

*Chief Sustainability
Steward, Solberg
Manufacturing*

Travis Solberg has led sustainability for Solberg Manufacturing in Itasca, Illinois, since January 2009. Solberg Manufacturing is a two-time Illinois Governor's Sustainability award and Real Leaders Impact Awards winner. They have won a number of other environmental awards, including B Corporation Best for the Environment. Travis is a 2019 Environment + Energy Leader 100 honoree. He is determined to continuously make the world a better place through his family business and their network of professionals in a variety of environmental and community interests.

ABOUT



Business Sector Media publishes Environment + Energy Leader and two major awards programs: the E+E 100 honoring professionals who drive our industry forward and the Product & Project Awards.

Since 2007, we have provided news, best practices, and research that influence environment, energy, and sustainability conversations — and powered decision-making.

Environment + Energy Leader offers a wide range of professional resources, including our website, newsletters, webinars, e-books, white papers, and conferences to help professionals tackle environment and energy management challenges, reducing costs, minimizing resource waste, and increasing efficiency.

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