









BOSC Executive Committee Members 2020

	Name	Affiliations	Expertise	Background
	<p>(Chair) Paul Gilman, Ph.D.</p>	<p>Covanta <i>(NJ Region 2)</i></p>	<ul style="list-style-type: none"> • Engineering • Science Policy/Public Policy • Toxicology 	<p>Dr. Gilman is the Chief Sustainability Officer at Covanta. Dr. Gilman has built a sustainability program and team at Covanta from inception and successfully led an organizational transformation with the adoption of sustainability principles into all aspects of global operations. He has impacted the revenue growth of the start-up operations of Celera Genomics to \$120 million in three years based on contributions in leadership, science, government affairs, communications and strategic alliances. His career track record of influencing public policy decisions and building collaboration across multiple stakeholders including corporations, universities, government agencies, NGO's and non-profits. Dr. Gilman launched The Clean World Initiative at Covanta that reduced Total Case Incident Rate by more than 50% and emissions across five categories and average of 53%. Dr. Gilman brings to the Executive Committee varied experiences with sustainability programming in both the private and public sectors.</p>
	<p>(Vice Chair) Lucinda Johnson, Ph.D.</p>	<p>University of Minnesota Duluth's Natural Resources Research Institute, Safe and Sustainable Water Resources (SSWR) Subcommittee <i>(MN Region 5)</i></p>	<ul style="list-style-type: none"> • Aquatic/systems ecology • Watershed management • Climate change impacts 	<p>Dr. Johnson is the Associate Director and Initiative Director for Water for University of Minnesota Duluth's Natural Resources Research Institute.</p> <p>She has worked closely with scientists from academia and government addressing several environmental challenges. This work has primarily focused on the development of data and tools to improve environmental assessment of surface waters through the development and testing of environmental indicators. Most recently she was a coauthor of the U.S. Environmental Protection Agency's report on Biological Criteria for Surface Waters (Jackson, et al. 2016). Dr. Johnson serves on the Graduate Faculty of the University of Minnesota where she teaches Landscape Ecology and Stream Ecology and supervises graduate students. Johnson's work has focused on quantifying the interactions between human activities on the land and the structure and function of aquatic ecosystems. She has focused on using spatial analysis and remote sensing tools to quantify impacts of land use change.</p>


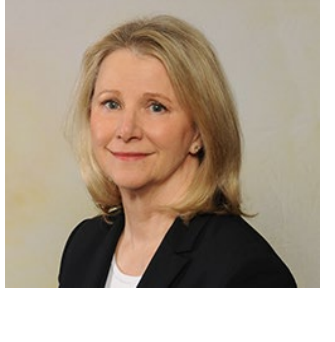
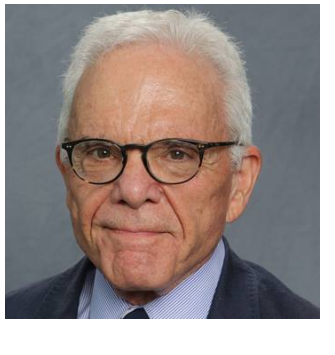
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	<u>Viney Aneja, Ph.D.</u>	North Carolina State University Air and Energy (A-E) Subcommittee <i>(NC Region 4)</i>	<ul style="list-style-type: none"> • Air quality • Atmospheric chemistry 	<p>Dr. Aneja is a professor in Marine, Earth, and Atmospheric Sciences at North Carolina State University.</p> <p>His research focuses on air quality and atmospheric chemistry: transport, transformation and fate of pollutants; natural emissions of trace gases (nitrogen, sulfur, and hydrocarbons); biogeochemical cycling of pollutants; atmospheric monitoring of trace gases; biospheric-atmospheric interactions; photochemical oxidants and gas-to-particle conversion.</p>
	<u>Robert Blanz, Ph.D., P.E.</u>	Arkansas Department of Environmental Quality Safe and Sustainable Water Resources (SSWR) Subcommittee (Vice Chair) <i>(AR Region 6)</i>	<ul style="list-style-type: none"> • Aquatic/systems ecology • Engineering 	<p>Dr. Blanz is the Associate Director of the Office of Water Quality, Division of Environmental Quality, Arkansas Department of Energy and Environment.</p> <p>He brings over 40 years of environmental experience in all media. Dr. Blanz's experience in environmental engineering brings a unique insight into the practical implications and application of U.S. Environmental Protection Agency research efforts and programs. He previously served as the Director of the Kentucky Division of Water Quality.</p>
	<u>Shahid Chaudhry, M.Sc.</u>	California Energy Commission Safe and Sustainable Water Resources (SSWR) Subcommittee <i>(CA Region 9)</i>	<ul style="list-style-type: none"> • Desalination • Economics • Engineering • Water recycling • Watershed management 	<p>Mr. Chaudhry is a Senior Energy Engineer and Water-Energy Nexus Specialist with the California Energy Commission.</p> <p>He has technical expertise on a wide range of water-energy-environment-related issues including accessing climate change impacts on water and energy resources; developing adaptation and mitigation strategies; and identifying new water resources and their technical and economic effectiveness.</p>




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	<u>Kari Cutting, M.S.</u>	North Dakota Petroleum Council Homeland Security (HS) Subcommittee <i>(ND Region 8)</i>	<ul style="list-style-type: none"> • Science Policy/Public Policy • Engineering 	<p>Ms. Cutting is the Vice President of the North Dakota Petroleum Council. She has over thirty years of leadership experience in regulatory analysis, compliance, and strategy development.</p> <p>She has managed multiple task force efforts for environmental issue identification and swift, effective compliance. Ms. Cutting has expertise in water and hydrocarbon spill remediation strategies as well as incident prevention, detection, and management. She has extensive knowledge of federal air, water, land management, and transportation regulations and engineering design for compliance.</p>
	<u>Courtney Flint, Ph.D.</u>	Utah State University Sustainable and Healthy Communities (SHC) Subcommittee (Chair) <i>(UT Region 8)</i>	<ul style="list-style-type: none"> • Social science • Sustainability • Visualization 	<p>Dr. Flint is a Professor of Sociology at Utah State University.</p> <p>Her expertise includes human dimensions of natural resource management; community and regional responses to environmental disturbance or change; decision making implications for community and regional well-being; perceptions of ecosystem services; water quality risks; and bridging gaps between science and society and research and practice. Dr Flint has extensive experience on interdisciplinary research teams focused on sustainability across resource sectors and regional contexts.</p>
	<u>Charlette Geffen, Ph.D.</u>	Pacific Northwest National Laboratory Air and Energy (A-E) Subcommittee (Chair) <i>(WA Region 10)</i>	<ul style="list-style-type: none"> • Climate change modeling and variability • Environmental engineering • Systems engineering • Industrial ecology • Technology policy 	<p>Dr. Geffen is the Director of Research Strategy at Pacific Northwest National Laboratory.</p> <p>Expertise in atmospheric processes that drive regional and global earth systems, with a primary focus on climate and aerosol physics; global and regional scale modeling; integrated assessments; and complex regional meteorology and chemistry. Experience working with the energy sector in technology and emissions.</p>



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	Matthew Naud, M.P.P., M.S.	adapt.city LLC Sustainable and Healthy Communities (SHC) Subcommittee (Vice Chair) <i>(MI Region 5)</i>	<ul style="list-style-type: none"> • Climate change • Urban sustainability • Emergency management 	<p>Mr. Naud is Senior Consultant at adapt.city LLC. Prior to his current position, he spent 17 years as the Environmental Coordinator for the city of Ann Arbor.</p> <p>Mr. Naud was active in the Urban Sustainability Directors Network as a member of the Planning Committee and the Innovation Fund Steering Committee. He is a founding member of the Michigan Green Communities Network and Great Lakes Climate Adaptation Network. Mr. Naud was also one of the Assistant Emergency Managers for the city of Ann Arbor.</p>
	Paula Olsiewski, Ph.D.	Alfred P. Sloan Foundation Homeland Security (HS) Subcommittee (Chair) <i>(NY Region 2)</i>	<ul style="list-style-type: none"> • Chemistry (analytical, physical, water chemistry) • Behavioral science (risk perception/communication) • Bioterrorism • Microbial ecology • Social science • Toxicology 	<p>Dr. Olsiewski is a biological chemist who has led various philanthropic programs involving science and risk communications including DHS's citizen preparedness campaign (www.ready.gov), an exploration into protecting building from biological threats, an examination of synthetic biology including policy and public perception, and a first of its kind initiative to understand the microbiology of the built environment. She directs a new program to elucidate the chemistry of the indoor environments. Dr. Olsiewski has served as a consultant on numerous biosecurity projects.</p>
	Joseph Rodricks, Ph.D., DABT	Ramboll Safe and Sustainable Water Resources (SSWR) Subcommittee (Chair) <i>(VA Region 3)</i>	<ul style="list-style-type: none"> • Risk assessment 	<p>Dr. Rodricks is a founding Principal of Environ (now Ramboll). He is an internationally recognized expert in toxicology and risk analysis. Before starting his technical consulting firm, he had a 15-year career as a scientist at the U.S. Food and Drug Administration (FDA). Dr. Rodricks has consulted for manufacturers, government agencies, and for the World Health Organization in the evaluation of health risks associated with human exposure to chemical substances of all types.</p> <p>His experience extends from pharmaceuticals, medical devices, consumer products and food, to occupational chemicals and environmental contaminants.</p>

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	<u>Leslie Rubin, M.D.</u>	<p>Morehouse School of Medicine</p> <p>Sustainable and Healthy Communities (SHC) Subcommittee</p> <p><i>(GA Region 4)</i></p>	<ul style="list-style-type: none"> Public Health 	<p>Dr. Rubin is a Developmental Pediatrician and Associate Professor in the Department of Pediatrics at Morehouse School of Medicine, Adjunct Associate Professor and Co-Director of the Southeast Pediatric Environmental Health Unit at Emory University School of Medicine, and Founder of Break the Cycle of Health Disparities Inc. in Atlanta, Georgia.</p> <p>His clinical activities are focused on children with neurodevelopmental disabilities including autism, cerebral palsy, and children who had prenatal exposures. His academic focus is on children's environmental health and environmental health disparities.</p>
	<u>Sandra Smith, M.S.</u>	<p>AECOM (Retired)</p> <p>Air and Energy (A-E) Subcommittee (Vice Chair)</p> <p><i>(TX Region 6)</i></p>	<ul style="list-style-type: none"> Environmental toxicology Risk assessment 	<p>Ms. Smith retired as the principal toxicologist and project manager at AECOM.</p> <p>She was formerly a senior toxicologist at URS Corporation and currently principal toxicologist and risk assessor at AECOM. Ms. Smith has technical expertise regarding exposure, health effects, risk assessments, and policy analysis of hazardous air pollutants. She has experience working with facility owners and operators, regulatory agencies, contractors, and members of the general public, and in improving communication among industry, government, and the public. Ms. Smith has experience with systematic integration and interpretation of data and information from multiple scientific disciplines.</p>
	<u>James Stevens, Ph.D.</u>	<p>Paradox Found LLC</p> <p>Chemical Safety for Sustainability (CSS) and Health and Environmental Risk Assessment (HERA) Subcommittee (Vice Chair)</p> <p><i>(NC Region 4)</i></p>	<ul style="list-style-type: none"> Computational toxicology/biology High-throughput bioassays Molecular toxicology Pharmacology Systems biology 	<p>Dr. Stevens is the President of Paradox Found LLC.</p> <p>His research interests include the areas of predictive and molecular and investigative toxicology and adverse drug reactions. He has studied the role of gene expression in mechanisms of cell injury for over two decades and was among the first to adopt gene expression analysis to understand mechanisms of toxicity. He was a member of the Board of Directors for Upstate Biotechnology and the Interim Vice President for Research and Development for Argonex Pharmaceuticals.</p>

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	<u>Justin Teeguarden, Ph.D.</u>	Pacific Northwest National Laboratory Homeland Security (HS) Subcommittee (Vice Chair) <i>(WA Region 10)</i>	<ul style="list-style-type: none"> • Risk assessment 	<p>Dr. Teeguarden is a Staff Scientist and Team Lead at the Pacific Northwest National Laboratory (PNNL). Dr. Teeguarden has more than 15 years of experience in computational and experimental exposure assessment in humans, animals and cell culture systems. His particular focus has been the utilization of emerging technologies, novel experimental data and computational methods for solving public health challenges related to human exposure to chemicals. In his role as the Director of the Research Translation Core for the Oregon State University-PNNL Superfund Program, Dr. Teeguarden led development of a "systems" approach to organizing emerging data from the field of exposure science and co-lead a U.S. EPA-supported expert workshop on advancing this new framework. He is widely published in the fields of exposure science, pharmacokinetics, and toxicology.</p>
	<u>Katrina Waters, Ph.D.</u>	Pacific Northwest National Laboratory Chemical Safety for Sustainability (CSS) and Health and Environmental Risk Assessment (HERA) Subcommittee (Chair) <i>(WA Region 10)</i>	<ul style="list-style-type: none"> • Systems biology • Molecular biology/genomics • Endocrinology • Bioinformatics • Computational toxicology 	<p>Dr. Waters is a Laboratory Fellow and Director for the Biological Sciences Division at the Pacific Northwest National Laboratory.</p> <p>Her research interests are focused on the integration of genomics, proteomics, metabolomics and high-throughput screening data to enable predictive mechanistic modeling of disease and toxicity pathways. Her current programs include modeling of host-pathogen interactions to identify new therapeutic targets, emerging health risk of PAHs in Superfund sites, and personal environmental exposure assessment for epidemiological studies in disadvantaged communities.</p>