



APA Board of Directors – Committee & Task Force Report

BOARD MEETING

DATE: April 26, 2014

TO: APA Board of Directors

FROM: APA Water Task Force Co-Chairs:
Bill Cesanek, AICP, CDM Smith;
Dale Morris, Royal Netherlands Embassy;
Lindy Wordlaw, APA ENRE Division Chair

SUBJECT: Water Task Force: Goals + Task Force Membership

ADOPTED POLICY:

No

TYPE OF REPORT:

☐ Action

☒ Information

CONSENT AGENDA

☐ Yes

☒ No

FISCAL NOTE:

All activities will be funded from the FY 2015 and future budgets.

RECOMMENDATION:

That the Board accept this informational report.

ACTION REQUESTED OF THE BOARD:

None.

In March 2014, the APA Water Task Force was formally organized under the leadership of APA President Bill Anderson with assistance from Jennifer Graeff, International Program Manager. This memo serves to inform the APA Board of Directors about the goals of the task force (TF) and on the membership of the Task Force. To date, the following has been accomplished:

- Water Task Force co-chairs and members have been identified. Confirmation of participation has been received.
- Initial kickoff meeting held March 28th to discuss expectations and goals

- General water planning issues identified by TF

Goals of the APA Water Task Force

1. Identify and document water resource issues that connect to planning.

The Task Force (TF) will identify and synthesize water resource issues and challenges that have the potential to be addressed by better planning and improved planning practice. In our initial March 2014 discussions, the TF developed a broad list of issue categories and topics that connect water to planning. Over the next year, the TF will explore these and other issues as we begin to think about the role of planning in improving water resource management.

Category	Topic(s)
Water Demand	• Existing and future water demand for population, business, agriculture, etc. • Drought • Demand management strategies
Water Quality	• Effects of water pollution in reducing supply, degrading ecosystem health, and limiting recreational opportunity • Wastewater reuse
Water Supply	• Water supply availability; equitable access to water • Public health/drinking water • Drought and resource management
Stormwater	• Green infrastructure opportunities • Wet weather infrastructure • Urban drainage • Stormwater reuse
Environment	• Effects of over-reliance on natural systems • Avoiding ecological disaster; ecological flow needs
Maintenance	• Infrastructure investment • Capital improvement planning needs
Climate/Climate Change	• Managing effects of extreme weather • Climate change mitigation • Climate change adaptation/Impacts of sea level rise • "Smarter" resilience
Flooding	• Disconnect between planning, land use, and flooding • Prevention • Flood risk mitigation • Flood accommodation
Social	• Equity • Flood insurance • Culture change needed w/r/t water management
General Planning Practice	• Organize research; connect with planning policy, practice

	• Political and natural boundaries are different • Scale of analysis/resolution • Intl geography of water • Comprehensive approach requires coalitions • Integrate all design profession inputs into planner's toolkit
Interdisciplinary Approaches	• Role of planners and relationship to associated professions • Increase interdisciplinary management • Connect economics and ecology • Energy/water nexus • Relationship of water to land use planning
Research	• Establish research agenda to: better understand contexts and drivers for sustainable water management; improve public understanding of the issues; motivate effective resource management; measure effectiveness of management approaches • Challenges of continuous change (demographic, climate, cultural)

2. Provide recommendations that help planners better address water issues

Beyond providing an inventory of water-related topics and challenges that planners should understand, the TF intends to develop recommendations to the APA Board of Directors for better planning policy and practice designed to help the APA and planners integrate water-management approaches into their work. It is anticipated that recommendations will fall into three categories:

Practice: Recommendations that involve the work functions of practicing planners and related professionals. *Example 1: Create interdisciplinary methods to assess projects that affect the quantity and quality of water resources. Example 2: Identify best practices for land development and the built environment that advance sustainable use. Example 3: Measure and quantify the benefit of green infrastructure elements during site development review process.*

Policy: Recommendations that involve the formation and/or implementation of policy at local, regional, state and national levels.

Example 1: Recommend local policy to promote gray water reuse and/or encourage storm water retention/reuse and integrated storm water retention. Example 2: Fostering public policy for local, state, and federal government that allows integrated approaches to addressing the water/energy nexus.

Research: Recommendations that may involve more detailed, targeted research and extend beyond the scope of the TF's current capabilities.

Example 1: Examine contexts and drivers for sustainable water resource management and infrastructure innovation. Example 2: Further analyze how natural capital and natural systems have value as ecosystem services. Example 3: Investigate methods that promote balanced, closed loop use of water resources, both nationally and internationally, while meeting equity and access goals. Example 4: Better identify synergies among infrastructure systems and the natural and built environment relating to water.

3. Identify specific items/topics that may require further work and research.

Based on the TF's recommendations, the TF will highlight immediate further work that the APA Board of Directors may want to consider. It is difficult at present to project what this may be; however, we anticipate this may include the development of a Water Policy Guide, much like the recently revised Energy Policy Guide.

4. Provide recommendations for action/next steps to APA Board of Directors.

The TF anticipates developing a thorough, reasoned report and set of recommendations for Board action. In addition to recommendations for improved planning practice and policy development, the TF will provide a suggested approach and a timeline for future research and action that the APA Board of Directors may want to consider. We wish to note that the amount and complexity of information for review and synthesis may be challenging given the broad mission of the TF, which will likely require a prioritization of future work. The suggested approaches by the TF will consider the potential alignment of future actions with existing funding streams, major research projects, emerging policies/practices, and interdisciplinary engagement.

Timeframe

The Water Task Force will work over the next calendar year to develop Recommendations for Action report that will be completed by March 2015 for review, to be presented to the APA Board of Directors meeting at the 2015 APA National Conference in Seattle, Washington.

Water Task Force Membership

The Water Task Force has 12 members, consisting of 3 co-chairs and 9 members. Below are brief bios of the team.

TASK FORCE CO-CHAIRS:

Bill Cesanek, AICP, Vice President CDM Smith

Mr. Cesanek, AICP, is a Vice President and technical practice leader for urban and environmental planning at CDM Smith, a global infrastructure and environmental services consultancy. He brings more than 30 years of experience to his work in fostering interdisciplinary approaches to urban, regional, and environmental planning. He is a Senior Advisor to CDM Smith's Research Centre on Integrated Urban Solutions, developing integrated models to evaluate sustainable

urban design and infrastructure. His work focuses on applying innovative planning methods to promote sustainable growth, resilient infrastructure, and conservation of natural resources. He is expert in water resource management, and infrastructure and environmental planning. Bill also serves as a part-time adjunct professor in the Bloustein Graduate School of Planning & Public Policy at Rutgers University, teaching sustainable infrastructure planning.

Dale Morris, Senior Economic Advisor at the Royal Netherlands Embassy

Dale Morris is Senior Economic Advisor at the Royal Netherlands Embassy in Washington, DC, providing economic and political analyses of US macro-economic, fiscal and monetary policy, US federal budget, tax and appropriations policies. Morris directs the Dutch Government's Water Management network in the United States, in particular in Louisiana, Florida, California, Virginia and, more recently, New York and New Jersey. This work is primarily focused on broad "sustainability" topics: flood protection and flood risk mitigation, coastal and floodplain restoration, water supply/conveyance in areas of water duress, ecosystem resiliency, adaptation, urban water management, and landscape design for risk reduction and environmental/public amenity. Morris is a co-director of Dutch Dialogues and a member of various advisory boards and steering committees in New Orleans. Morris previously served as Legislative Director and Press Secretary to two Members of the U.S. Congress and was responsible for budget, tax, trade, appropriations, entitlements and energy/environment issues. Morris served in the US Air Force and is a graduate of the University of Pittsburgh and the University of Virginia.

Lindy Wordlaw, AICP, Senior Manager at Elevate Energy and Chair, APA Environment, Natural Resources and Energy (ENRE) Division

Lindy Wordlaw is the Senior Manager for Nonprofit/Public Sector programs at Elevate Energy (formerly CNT Energy) whose mission is "smarter energy use for all." As Senior Manager, Wordlaw leads a team of five to engage nonprofit and public sector building owners in improving their energy efficiency, which improves the environment and provides budgetary savings that can then be directed towards mission- or program-based goals and services. In addition, Wordlaw leads Elevate's energy planning work to assist local communities in examining energy as a growth issue, assess it at the community-scale perspective, and integrating strategies and solutions within traditional planning processes, tools and documents. Wordlaw is intrigued by connecting less than traditional planning topics (i.e. energy, water) into mainstream planning efforts. Her work includes two APA-Illinois award-winning sustainability plans, regional and county energy plans, and a (Chicago) region wide initiative to provide every municipality (270) with a baseline energy and emissions profile in order to level the playing ground and facilitate action towards a more sustainable, energy efficiency future. Wordlaw previously served the City of Aurora (IL) as a municipal planner where her expertise lies in neighborhood planning.

TASK FORCE MEMBERS

Laura Buhl, APA International Division Chair

Laura Buhl is a land use and transportation planner with the State of Oregon's Department of Land Conservation and Development. She has a background in both urban and rural land use planning, having worked as a planner in rural Wasco County, Oregon, and the City of Detroit, Michigan. Ms. Buhl is a member of the APA International Division's executive committee, and has served as division chair and member and chair of the World Town Planning Day Online Conference, which is organized by the International Division in cooperation with professional planning organizations from around the world. Ms. Buhl received her Bachelor of Arts in American Studies from Mills College (with a semester of maritime studies at Williams College) and Master of Community and Regional Planning from the University of Oregon (with a semester of studies at the Pontificia Universidad Católica de Chile).

Mary Ann Dickinson, President and CEO, Alliance for Water Efficiency (Bio forthcoming.)

Danielle Gallet Infrastructure Strategist & Water Supply Program Manager, Center for Neighborhood Technology

Ms. Gallet is the Infrastructure Strategist and Water Supply Program Manager for the Center for Neighborhood Technology (CNT) Water Group where she produces research and reports, develops tools, informs policy and assists with case studies that support sustainable water resource planning and management at the local, regional and national scale. Her work involves researching and implementing creative and viable strategies that address current issues related to water service use, management and infrastructure. Particular topics of expertise include infrastructure and water loss control issues, adoption of integrated water resource planning (One Water), and framing the public argument for sustainable water resource practices. She also oversees CNT's work on valuing the economic benefits of green infrastructure within its Stormwater Program. Danielle is a member of the American Water Works Association (AWWA), currently serves as Chair of the Water Efficiency Committee for the IL Section and sits on AWWA's national Water Resources Planning and Management Committee and the Water Loss Control Committee. Ms. Gallet is also a member of the International Water Association (IWA) and the American Planning Association (APA). She has a BA in Business Management and a Masters in Urban Planning and Policy.

Kristina Hill, Associate Professor of Landscape Architecture and Environmental Planning at the University of California, Berkeley (Bio forthcoming.)

Joe MacDonald, AICP, PhD:

MacDonald serves as Manager of Environmental Planning for the Northeast Ohio Areawide Coordinating Agency (NOACA), where he manages both air and water quality planning staff for the five-county metropolitan Cleveland region. Current projects focus on incentivizing

alternative travel choices and completing a comprehensive update of the NOACA water quality management (208) plan. MacDonald continues to serve as water resource planning consultant with the American Planning Association's (APA's) China Program for local jurisdiction demonstration projects. Completed plans include Zhenjiang and Yancheng (Jiangsu Province); Shuozhou (Shanxi Province); and Jintang (Sichuan Province). MacDonald recently completed his role as Environments Project Manager with the Northeast Ohio Sustainable Communities Consortium (NEOSCC) between October 2011 and December 2013, where he managed the Environments Work Stream for a federal Sustainable Communities Partnership Regional Planning Grant in Northeast Ohio and developed environmental issues and findings for our regional Conditions and Trends Platform. MacDonald also led the production of a Dashboard of Regional Indicators framework and Northeast Ohio's HUD Flagship Sustainability Indicators Report. Prior to the NEOSCC, MacDonald served as Senior Research Associate with the APA in Washington, DC and focused on applied research and professional development, education, and learning networks. His research focused on water resource protection, green infrastructure, natural hazard mitigation, coastal planning, wind and solar energy, smart codes, and urban parks.

Michael Marrella, AICP; Director of Waterfront and Open Space Planning for the New York City Department of City Planning

Michael Marrella, AICP, is the Director of Waterfront and Open Space Planning for the New York City Department of City Planning. Michael is responsible for directing waterfront policy for the agency and advises the Chair and members of the City Planning Commission on the planning and land use issues affecting waterfront and open space areas and climate adaptation planning. Michael serves as the primary liaison to a wide range of stakeholders including elected officials, community organizations, and private sector entities on matters of land use, zoning and economic development related to waterfront and open space. Michael was also the Project Director for Vision 2020, the City's new Comprehensive Waterfront Plan that received numerous awards, including the American Planning Association's prestigious Daniel Burnham Award for a Comprehensive Plan in 2012. Prior to his work on Vision 2020, Michael worked as Manager of Environmental Planning on the Freshkills Park project. Michael also previously worked for AKRF, Inc., a planning consulting firm, and for the Town of Smithtown, NY. Michael is an Adjunct Professor at the Pratt Institute and has lectured at numerous colleges and universities. Michael holds a BA from Vassar College and a Master in City Planning from MIT.

Henk Ovink Principal 'Rebuild by Design', Senior Advisor to Secretary Shaun Donovan of Housing and Urban Development

Henk WJ Ovink is Principal of 'Rebuild by Design' and Senior Advisor for Secretary Shaun Donovan of HUD and the Hurricane Sandy Rebuilding Task Force. He leads the long term and innovation rebuilding efforts for Secretary Donovan. Henk started, developed, and leads the 'Rebuild by Design' competition (RBD). RBD is developed to ignite innovation for a new standard of regional resilience in design and development, in building and rebuilding in the light of climate change, sea level rise and future economic, ecological and cultural demands. RBD was named #1 in CNN's 2013 top 10 of most innovative ideas. Henk was both Director General of Spatial Planning and Water Affairs and Director National of Spatial Planning for the Kingdom of the Netherlands. Henk teaches at Harvard GSD, UCLA A.UD, Columbia GSAPP, Syracuse University SoA, TU Delft and the University of Groningen. He is member of the advisory boards for MIT's Center for Advanced Urbanism, The Berlage Institute, the Delft University of Technology

Faculty of Architecture, the Master City Developer Rotterdam and he is chair of the research program on Strong Cities. Henk is member of the Urban Age Program within LSE Cities, an international centre at the London School of Economics and Political Science. He was Curator for the 5th International Architecture Biennale Rotterdam 2012 'Making City' and curates the debate series 'Design and Politics: the next phase' for Aedes network Campus Berlin. Ovink initiated the research program Design and Politics, the connecting chair Design and Politics at the TU Delft and is chief editor for the series of publications with 010 Publishers, called 'Design and Politics'.

Kelli Sertich, AICP, APA Board Member, Flood Control District, Maricopa County, AZ

Kelli Sertich has more than 30 years of professional planning experience in the public and private sectors in Arizona. She is currently the Floodplain Management & Services Division Manager for the Flood Control District of Maricopa County, and is a certified planner (AICP) and certified floodplain manager (CFM). Kelli is currently the American Planning Association Board Member – Region V, previously serving the association in a variety of capacities at the local and national level. She was the Arizona APA Chapter President 2002-2004, held various positions on the Arizona Chapter Board over a 16 year period, served on the National Planning Awards Jury, and is the Chair of the APA Governance Committee and a current member of the APA Fellowship Committee (scholarships). Kelli received an associate's degree in Applied Science from Glendale Community College, bachelor's degree in Design and Urban Planning from Arizona State University, and a master's degree in Public Administration from Western International University. Kelli's range of work experience as a planner, planning director, and interim city manager in rural and urban settings, private and public practice, gives her a good understanding of the broad needs of planners. Serving now as an APA Board member and on the State chapter previously has been very rewarding for her. The people she has met and the ideas shared through collaboration have inspired her and make the planning profession healthier.

David Waggoner Architect, Waggoner and Ball

David Waggoner is president of Waggoner & Ball, an award-winning, internationally active architecture and planning practice located in New Orleans. He is also the initiator of Dutch Dialogues, an exchange between Dutch design professionals and their American counterparts focused on water-based urbanism. Building on the Dutch Dialogues, David subsequently led a team of experts in the development of the Greater New Orleans Urban Water Plan that addresses sustainable storm water management at all scales and envisions a city and region living with - rather than against - water, a model of sustainable delta urbanism that embraces water to improve safety, resiliency and quality of life, as well as to create new economic and development opportunities.