



WATERREUSE

Engage, Educate, Advocate

1st Quarter Meeting of the Board of Directors

Saturday, March 9, 2019

10:15 am – 12:00 pm EST

Tampa Palms Golf and Country Club



AGENDA

1st Quarter Meeting of the Board of Directors

Saturday, March 9, 2019

10:15 am – 12:00 pm EST

Tampa Palms Golf and Country Club

- 10:15 a.m. I. Welcome** (Paul Jones, President)
- Call to Order
 - Roll Call
- 10:20 a.m. II. Consent Agenda** (Paul Jones, President)
- Document:**
- 2018 4th Quarter Minutes
- Board Action:**
- Resolution: Adopt the Consent Agenda
- 10:25 a.m. III. President's Report** (Paul Jones, President)
- Open Board Seat
 - Investment Committee – Call for Volunteers
- 10:30 a.m. IV. Executive Director's Report** (Patricia Sinicropi)
- Document:**
- Executive Director's Report
- 10:35 a.m. V. Treasurer's Report** (Patricia Sinicropi)
- **Financial Report**
- Document:**
- 1st Quarter Financial Report
 - TAF Request: Sponsorship Request from Project WET for *Kids in Discovery* Publication

Board Action:

- Resolution: Approval of *Kids in Discovery* Sponsorship

11:00 a.m. VI. Advocacy Report (Jon Freedman, Policy Committee Chair)

- EPA Announcement – National Water Reuse Action Agenda
- Water Week 2019 – (April 3-4, Hyatt Regency Washington)
- Water Week Agreement Among Water Sector

Document:

- *Principles Related to Alternative Sources of Water Supply and On-site Non-Potable Water Systems*

Board Action:

- Resolution: Adopt *Principles Related to Alternative Sources of Water Supply and On-site Non-Potable Water Systems*

11:10 a.m. VII. National Blue Ribbon Commission on On-site Water Recycling (Carrie Capuco)

Document:

- Memo to Board Regarding National Blue Ribbon Commission on On-site Water Recycling

Board Action:

- Resolution: Conditional approval on support for National Blue Ribbon Commission pending review and approval by US Water Alliance

11:20 a.m. VIII. 2021 Annual WaterReuse Symposium (Paul Jones, President)

11:30 a.m. IX. Section Reports

Document:

- Section Reports

11:55 a.m. X. Other Business

- Public Health and Medical Community Initiative

12:00 p.m. Adjourn

Consent Agenda

Document:

- 2018 4th Quarter Meeting Minutes

Board Action:

- Resolution: Adopt the Consent Agenda



Minutes of the 4th Quarter, 2018 Meeting of the Board of Directors

Friday, December 14, 2018, 12:30 pm – 3:30 pm EST

Via Ready-Talk: <https://cc.readytalk.com/r/kb2u00at1pbt&eom>

At approximately 12:31, the 4th Quarter Board of Directors meeting was called to order by Paul Jones, President. Mr. Jones welcomed the participants and asked Executive Director, Patricia Sinicropi to run through the use of the technology (ReadyTalk). Ms. Sinicropi explained that Board members can speak at will and staff will control the slides. She also noted the option to use the group chat feature. Mr. Jones then invited Carrie Capuco to take roll call. The following Directors were noted as in attendance:

- | | |
|--------------------------|---------------------|
| • Paul Jones | • Jon Freedman |
| • Diane Taniguchi-Dennis | • Jonathan Loveland |
| • Gilbert Trejo | • Michael Markus |
| • Craig Lichty | • B. Narayanan |
| • Norma Camacho | • Bart Weiss |
| • Michael Carlin | • Karen Pallansch |
| • Guy Carpenter | • Halla Razak |
| • Paul Cook | • Paul Steinbrecher |

Director Brian Biesemeyer was absent.

The three Director-elects were also present: Joe Vesey, Katie Bell, and Marilyn Hall.

The following Section Representatives were noted as in attendance:

- | | |
|-----------------------|----------------------------|
| • Adrian Edwards – NV | • Chris Stoll – PNW |
| • Jacques Klug – PNW | • Eva Steinle-Darling – TX |
| • Lynn Spivey – FL | • Donene Dillow – CO |
| • Dan Fischer – NV | • Rob McCandless – AZ |

I. Consent Agenda

Mr. Jones took up consideration of the Consent Agenda, which consisted of meeting minutes from the Board's 3rd Quarter Meeting.

Board Action: *Approval of Consent Agenda:* Bart Weiss moved for approval; Gilbert Trejo seconded the motion. There was no discussion and it passed unanimously.

II. 4th Quarter Executive Director's Report

At approximately 12:38, Mr. Jones then invited Ms. Sinicropi to present the Executive Director's Report. During her report, Ms. Sinicropi indicated that the 33rd WaterReuse Symposium received many favorable survey responses. She reported that much of September was spent wrapping up the Symposium, which has led to a determination that staff need to start the planning process earlier. Consequently, staff

recently launched the call for abstracts for the 34th Annual WateReuse Symposium occurring in San Diego.

Regarding advocacy, Ms. Sinicropi reported that after the departure of one member of the staff, the Association contracted with O'Connell and Dempsey to help track and follow our issues. She also noted that staff has been speaking with EPA Office of Water which is moving forward on a national recycled water initiative. She then noted many of the communications activities, including webcasts, are reported in the Board Book.

Regarding membership, Ms. Sinicropi reported ending the year with 78 new members and an expanded utility footprint from 16 to 22 states. She mentioned the launch of the Recycled Water User Network in November and mentioned that 32 utilities have now signed up to be partner organizations. She urged all Board members to sign up as partners by the end of the year. Ms. Sinicropi noted that renewals for 2019 are at 60% and that WateReuse anticipates that new member revenue will hold steady in 2019. She emphasized that Board engagement will be critical to ensure that happens, and referenced the list of prospective utilities in each Board member's region in the Board Book. She expressed her appreciation for all the help the Board has given and that she is looking forward to another strong year with Board support in 2019.

Ms. Sinicropi concluded with the note that WateReuse had a lot of transition this year, losing Deirdre, Maria and Courtney, but she is pleased to report that Carrie Capuco joined WateReuse in October and that a new Manager of Events and Meetings (Angelia Bland) plus a new Policy Director (Greg Fogel) are joining the staff. She also noted that WateReuse has been very fortunate to have an accountant, Angie Quinn, available on contract, and to have Jean Hwang help manage administrative efforts. Ms. Sinicropi expressed her appreciation for staff support in 2018 and anticipation of a strong 2019.

Mr. Jones called for questions and thanked Ms. Sinicropi for everything she has done in 2018. He expressed that he feels that WateReuse has improved in many areas and wants to recognize staff. Discussion followed on successes this transitional year.

III. 4th Quarter Treasurer's Report and Fiscal Year 2019 Budget

Association Treasurer, Diane Taniguchi-Dennis delivered report. She recognized staff for the excellent job holding the finances in 2018. She reported that WRA has achieved 100% receivables and the team should be congratulated for their hard work. She noted that Symposium goals were met and funding came in. She also reported that investment firm has been selected to manage WRA investments beginning in 2019.

Angie Quinn reported that WRA anticipates ending the year with a surplus as a result of higher dues received than expected, exceeding symposium goals, conservative management of spending, and staff transition savings.

Mr. Jones then called for other comments on budget to actual data. Hearing no comments, the discussion moved to the proposed 2019 budget. A detailed memorandum supporting the budget proposal begins on page 39 of the board package, with supporting tables behind. Ms. Taniguchi-Dennis offered an overview, noting a modest amount of growth, a 4.5% increase in membership dues, and a budget policy that 80% of operating is from dues and 20% from other fundraising efforts. She explained that with the increased cost of the San Diego venue the Executive Committee determined that it would

be best to raise the registration rates. She also noted that the budget calls for an additional half-staff person to help with administration.

Ms. Quinn noted several highlights of the budget: a 95% renewal of membership, a small dues increase, a 24% increase in Symposium expenses and increased registration rates, which are highly incentivized for early registration. She noted that for organizational expenses the budget is essentially stable. Include 6.5 FTE and maintains outsourced accounting.

Mr. Jones then called for questions on the 2019 budget and 2019 registration rates. Discussion followed on whether we anticipate reduced attendance due to the increased registration fees. Ms. Sinicropi explained the location will enable California participation (which was limited in Texas), and the integration with the WRF research conference offers nearly 200 potential attendees who could be new to the Symposium. Mr. Jones continued that the partnership with WRF and promotional benefits make our approach relatively conservative.

Board Action: *Approval of 2019 Association Budget:* Mr. Narayanan made a motion to approve the 2019 budget, Ms. Razak offered a second. Mr. Jones called for further discussion. There being none, he thanked staff, called vote, and the budget passed unanimously.

Policy on the Targeted Action Fund and Requests for Project Funding

Mr. Jones then turned the discussion to the Memo and DRAFT Policy on the Targeted Action Fund and Requests for Project Funding. He explained that the proposal is to establish a Targeted Action Fund in which unrestricted funds and other voluntary contributions can be placed for use in advocacy-related special projects that aren't otherwise budgeted for. The proposed policy builds on existing policy for managing funding requests. It clarifies that undesignated reserves can be used for these types of projects, as well as other voluntary contributions. It also establishes a process for Board oversight of funds and funding requests, and recognizes role of Association's Policy Committee leadership in setting project priorities. Under the policy, both staff and Board members can bring forward project recommendations.

Mr. Jones called for discussion. Several Board members expressed enthusiasm for the policy.

Board Action: *Resolution to Approve Policy on Targeted Action fund and Requests for Project Funding:* Mr. Carpenter made a motion to approve the policy; Mr. Weiss seconded the motion; the Board unanimously adopted the revised policy.

The Board then turned to a discussion of the medical initiative and Hillsborough County Partnership Proposal. Ms. Sinicropi explained that Mr. Weiss approached the Association with funding at the end of his fiscal year to support the medical initiative. The Board Book includes the correspondence regarding the funds, which would allow WRA to fund a portion of the medical initiative and enable the committee to conduct outreach. Mr. Weiss added that in 2016 Florida began to see the need for public education on reuse and now it has become a dire need before Florida debates legislation. He argued that using this money would benefit not only Hillsborough, but also the whole state and the nation by extension.

Mr. Jones called for discussion. Comments regarding information dissemination and additional uses of the funds.

Board Action: *Resolution to Approve a Prior Act:* Because the funds were already transferred at the end of the Hillsborough fiscal year in September, Mr. Markus then made a motion to Approve a Prior Act. Mr. Trejo offered a second, and the motion then passed unanimously.

IV. 4th Quarter Advocacy Report

The agenda then turned to the Advocacy Report. Ms. Sinicropi introduced Mia O’Connell to provide the report. Ms. O’Connell summarized the work on Title XVI, and the implications of the stalemate in Congress, and the likelihood of continuing resolutions and shut down. She then previewed the next Congressional session. She noted that staff has a meeting with Senator Feinstein’s office in January. She also noted that a meeting has been scheduled with the Army Corps of Engineers Headquarters to discuss the importance of including recycling reuse components into project feasibility studies.

Mr. Jones called for questions. Discussion followed on the return of earmarks and potential for a programmatic grant program embedded within The US Army Corps of Engineers Section 219 – General Environmental Infrastructure Authority to enable creation of a national recycled water grant program. Mr. Jones then thanked Mike Markus for his work chairing this committee and serving on the board. Mr. Markus thanked his co/vice chair Jon Freedman and all of the committee members and staff. Mr. Jones then announced that the new Committee Chair will be Jon Freedman. He thanked Jon for his willingness to serve and announced the new Vice Chair, Sharon Green.

V. Memorandum of Understanding with Water Environment Federation

The Board then took up the action to resolve to approve and execute a memorandum of understanding (MOU) with the Water Environment Federation (WEF) pending approval by the WEF Board of Trustees. Mr. Jones explained that it is an important partnership that follows on the MOU with the National Association of Clean Water Agencies (NACWA) – demonstrating that water sector’s broadening interest in water reuse. The MOU with WEF will hopefully encourage partnership and coordination at state level between WEA’s and our state sections. Staff noted that discussions are already beginning with the American Water Works Association (AWWA) on an MOU with them.

Staff explained that the MOU has six key areas. WEF will become a co-collaborator on the Symposium by cancelling their specialty conference, with co-branding and co-promotion. It establishes WRA as the lead on water recycling issues. Discussion followed on general consent that the MOU is good for WRA.

Board Action: *Resolution to approve draft MOU with WEF:* Mr. Markus made a motion to approve the proposed resolution; Mr. Weiss offered a second, and the motion passed unanimously.

VI. 34th Annual WaterReuse Symposium

Next, an update on planning for the 34th Annual WaterReuse Symposium was provided by Carrie Capuco, Dir. Of Strategic Operations. Ms. Capuco reported that the Call for Abstracts had been posted the first week in December. The Abstract Submission Deadline is February 7, 2019. She also reported that the Sponsorship Prospectus had been completed and that initial sponsorship requests were being submitted throughout December and into January. Ms. Capuco reported that the Letter of Agreement with The Water Research Foundation had been executed and that staff are working together to build a strong technical program.

Mr. Jones then introduced moving the date of future Symposiums. He cited that WEFTEC very nearly conflicts, hurricane season puts travel at risk, and budget cycles make a late third quarter event

difficult. He indicated that staff are considering the first week of May for 2021, but indicated that there will be a full discussion in March. Discussion followed on how the new date would benefit the budget cycle. Mr. Jones explained that it would allow reconciliation of revenues and expenses at the end of the 2nd quarter. Mr. Markus raised a potential schedule conflict with the Association of California Water Agencies (ACWA) meeting, and Mr. Lichty noted that discussion of changing the date has come up in the past. However, previously WEFTEC had not been such a large event. It was agreed that research is needed and consultation with WateReuse California and the other Sections is essential. Mr. Jones urged any other Board members with questions to email Ms. Sinicropi or Mr. Jones to prepare answers for March.

VII. Medical Community Initiative

Mr. Carpenter then provided an update on the Medical Community Initiative. He reported that the committee held a meeting in October and outlined a path forward. Staff is updating the website, with resources, and pulling together information that will be accessible to members. Work is underway on a storyboard for an educational video. The membership of the committee is very strong. There being no questions, the Chair moved on to the next agenda item.

VIII. 2019 Leadership Retreat – March 7 – 9, Tampa, FL

Mr. Jones reminded the Board of the Leadership Retreat and 1st Quarter Board Meeting March 7 – 9, 2019 / Tampa Palms Gulf Club and Resort to be facilitated by Meghan Massaua, of the Meridian Institute. He urged full attendance and stressed that it will be an opportunity to spend more time thinking about long-term strategic focus, an opportunity to spend more time together getting to know each other better and develop better cohesion as a leadership team for the association.

IX. Recycled Water User Network

Mr. Jones then turned to the Recycled Water User Network. He reminded Board members that program has launched. It is a great opportunity to build public awareness and recognition for water recycling in your community. He urged all Board utility members to register as Partners under the program and help to sign-up commercial and industrial customers, noting that once a first customer is signed up, you can access the Water Star Label to use in your public relations materials.

X. Section Reports

At approximately 2:05 pm, the agenda turned to the Section Reports. Mr. Jones noted that the Book contains written reports from all sections. He called for anything that needs highlighting from any of these reports.

Ms. Dillow reported one item for the Colorado Section: the section is reorganizing some programs and may reach out to other sections to learn about what they have done.

Mr. Fischer reported for the Nevada Section that the section is growing, and is looking for advice on growth challenges. He also noted that his term ends this year and the new representative will be Adrian Edwards of Henderson. Adrian said hello and expressed looking forward to being more a part of WateReuse in his new role.

Ms. Steinle-Darling reported for the Texas Section regarding their focus on moving their state conference around to reach additional geographic areas.

Mr. Weiss reported that the Florida Section is fully supporting the Florida Potable Reuse Commission (FLPRC) to finalize its reuse framework and put forward legislation on DPR. He indicated the resulting paper will help develop model legislative language for the other Sections. Ms. Sinicropi added that staff will work with WateReuse Florida to publish the final report and proceedings of the FLPRC. Staff will reach out to members of the policy committee to review the report before its publishing.

XI. Other Business

At approximately 2:10, the Board then turned to other business. Ms. Sinicropi reported on recent discussions with National Blue Ribbon Commission on Onsite and Decentralized Water Recycling. She reported exploring ways that WateReuse can provide the Commission more support. Discussions are focusing on a future collaboration. Staff will keep the board informed as these discussions evolve. It is consistent with WateReuse Policy Committee discussions on on-site recycling. Discussion continued regarding the work of the Commission and it was requested to add this as an agenda item for the March meeting.

Mr. Trejo reported on the recent Water Research Foundation Board meeting. He reported that Peter Grevatt was approved as the new Chief Executive Officer. Rob Renner's last day will be in March. Peter will be starting in Alexandria. Dennis Doll will be incoming board chair. Approved a \$15.2 m budget, a \$5.2m research budget. He noted that WRF staff reported on the collaboration between WRA and WRF. Specifically mentioned the need to increase partnership with us.

XII. Executive Session

At approximately 2:15, the Board went into a Closed Session to consider Executive Director Performance Evaluation.

Adjourn

At approximately 2:45, the Board of Directors 2018 4th Quarter meeting adjourned.

President's Report

- Open Board Seat
- Investment Committee – Call for Volunteers

Executive Director's Report

Document:

- Executive Director Report



TO: Board of Directors, WateReuse Association
FROM: Patricia Sinicropi, Executive Director
Date: February 20, 2019
SUBJECT: 1st Quarter Executive Director's Report

During the 1st Quarter, staff focused on operational priorities including on-boarding new staff, reviewing 2019 workplan goals, and preparing for the Board's Leadership Retreat. In addition, planning continued for the 34th Annual Symposium in San Diego; groundwork prepared for accomplishing our policy priorities during the 116th Congressional session and the next two years of this Administration; and strategic initiatives and program activities continued with respect to communications and outreach. Beyond these activities, staff continued to ensure our fiscal health remained strong through membership renewals and recruitment, and that our accounts were in order in advance of our 2018 audit. Below are highlights in each key program area with specific details in pages that follow.

Membership: During this 1st Quarter, we welcomed 24 new members including six utilities, thirteen reuse-related businesses, and five institutions representing just over \$18,000 in new member revenue and 23% of our overall new member revenue goal for 2019. We are tracking closely to our renewal rate of this time last year, with 76% renewals of member organizations, representing approximately 86% of renewal revenue. We have developed a robust list of prospective members to recruit this year and are working with our state sections and Board members to reach out to these entities. We also met with members in Virginia and Maryland to begin exploring a section in the Chesapeake Bay region. With respect to the newly launched Recycled Water User Network (RWUN), 44 member utilities (20% of our utility members) have registered to be Partners in the Recycled Water User Network, and all have been sent text to post on their website, a sample email to customers, and the RWUN logo.

Annual WateReuse Symposium: The 34th Annual WateReuse Symposium taking place in San Diego, September 8 – 11 is being held in collaboration with The Water Research Foundation (WRF). This year's program theme is *Collaborate to Innovate* and will highlight successful collaborations between a variety of sectors for the advancement of water reuse nationally. Dawn Taffler (Kennedy/Jenks) chairs the Planning Committee, Rick Warner (Washoe County) chairs the Technical Committee, and Pam Kenel (Loudoun Water) chairs the Awards Committee. We received nearly 250 abstracts in response to the Call-for-Abstracts, raised over \$40,000 in sponsorships, and identified a keynote speaker for the Opening General Session (Peter Annin, author of [Great Lakes Water Wars](#)). We also signed up nine partnering organizations to help market the event. We are on track to open registration the week of April 6th.

Advocacy: In early January, we brought on a new Policy Director, Greg Fogel. Greg spent the last ten years working on agriculture and food policy, and most recently was Policy Director for the National Sustainable Agriculture Coalition in Washington, DC. During this 1st Quarter, our advocacy focused on the following: First, we built on our relationships with new leaders of relevant Congressional committees and subcommittees in the 116th Congress, and worked on developing relationships with members of the incoming freshman class; second, we began a major push to increase and extend the authorization for the Bureau of Reclamation's Title XVI water recycling and reuse competitive grants program (Title XVI–WIIN); third, we engaged the Trump Administration to help guide program implementation at both the Environmental Protection Agency and the Army Corps of Engineers. Finally, we closed out the FY 2019 appropriations cycle and began preparing for the FY 2020 cycle. The Legislative and Regulatory Policy Committee is recommending Board approval for its draft Association Policy Statement on *Principles Related to Alternative Sources of Water Supply and On-site Non-Potable Water Systems*.

Communications and Public Engagement: Our Communications program continued apace with our monthly webcasts attracting on average over 100 registrants, the *WateReuse Review* averaging over 1,000 weekly readers, and increased participation in our online and social media communities. We began work on *Profiles in Reuse*, a cornerstone communications piece designed to reinforce our brand, provide accessible educational material about important topics in water reuse, and support our advocacy on Capitol Hill and outreach to public health professionals. We anticipate publishing a 2018 Annual Report in March and will begin interviews for a 30th Anniversary video at the California WateReuse Symposium. In addition to these general communications efforts, our strategic outreach initiative to public health professionals and medical community continued gathering online resources, recruited public health experts to participate in our workgroup, and identified several public health-related conferences for potential speaking opportunities.

Staff travel: I participated in a panel discussion at the Winter Conference of the National Association of Clean Water Agencies (NACWA) in early February, and two panel discussions specifically focused on water reuse, one during a jointly sponsored summit by Suez and the Wharton School of Business in San Francisco and another during the Multi-State Salinity Conference in Las Vegas, also in February. Staff traveled to the annual conference of the American Membrane and Technology Association (AMTA) where we received a complimentary exhibit. We were also invited to present at a water conference in Hyderabad, India for which Amit Pramanik of the WRF provided remarks on our behalf.

Operations and Administration: As noted earlier, our new Policy Director, Greg Fogel, joined our team in early January and with nearly a decade of policy experience in Washington was able to quickly get up to speed supporting our advocacy agenda. We also promoted our intern Jean Hwang to the position of Government Affairs Assistant to support our administrative and policy operations. The Events Manager position saw another transition as the previously hired person was recruited for a position with the DC Convention Center at a significantly higher salary. A new Events Manager, Alicia Rutherford, will transition to full-time by mid-March.

We also moved forward with key partnership initiatives: The MOU between WateReuse and the WEF was approved by WEF's Board of Trustees and staff will meet next month to begin implementation; staff-level discussions have begun with AWWA on executing a similar MOU. Staff is recommending Board approval for partnerships with the National Blue Ribbon Commission on On-site Water Recycling

and with Project WET (see separate materials). Finally, we began implementation of a revised partnership agreement with WEF for *World Water*, contributing commentary and other content for the January/February issue.

Below and on the following pages contain background materials on items noted above. Thank you.

2019 1st Quarter Membership Report

New Members

We welcomed 24 new members into the organization since the last Board Meeting (tying the recent Q1 record set last year).

NEW MEMBERS				
<u>Organization Name</u>	<u>Section</u>	<u>Dues Tier</u>	<u>WRA Share</u>	<u>Section Share</u>
NEW Water Green Bay	n/a (WI)	\$ 5,750.00	5,750.00	\$ -
City of Brentwood	CA	\$ 1,575.00	1,023.75	\$ 551.25
Kitsap County	WA	\$ 1,575.00	990.74	\$ 424.60
Liberty Utilities – California	CA	\$ 1,575.00	967.66	\$ 521.05
Broad Creek Public Service District	n/a (SC)	\$ 675.00	675.00	\$ -
City of Malibu	CA	\$ 675.00	413.50	\$ 222.66
Reuse Related Businesses				
Mead & Hunt	FL	\$ 1,050.00	735.00	\$ 315.00
McCarthy Building	AZ	\$ 575.00	401.39	\$ 172.03
Primozone Production AB	CA	\$ 575.00	371.70	\$ 200.15
Century Engineering, Inc.	n/a (VA)	\$ 425.00	374.93	\$ -
Denise Duffy & Associates	CA	\$ 425.00	249.76	\$ 134.49
Ketos, Inc.	CA	\$ 425.00	260.36	\$ 140.19
Weil Aquatronics	CA	\$ 425.00	245.22	\$ 132.04
Beyond Laundry, Inc.	n/a (NM)	\$ 175.00	188.42	\$ -
Brandt Water Strategies	CA	\$ 175.00	102.22	\$ 55.04
Environmental Management Systems	PNW	\$ 175.00	129.89	\$ 55.67
Global Water Works	CA	\$ 175.00	101.91	\$ 54.87
PolyCera	CA	\$ 175.00	104.09	\$ 56.05
Water Globe Consulting, LLC	FL	\$ 175.00	122.50	\$ 52.50
Institutions				
Maryland Dept of the Environment	n/a (MD)	\$ 275.00	284.04	\$ -
Pacific Northwest National Laboratory	PNW	\$ 275.00	204.11	\$ 87.47
Project WET Foundation	n/a (MT)	\$ 275.00	247.12	\$ -
University of Nevada, Reno	NV	\$ 275.00	202.52	\$ 86.80
University of Nevada, Las Vegas	NV	\$ 275.00	174.04	\$ 74.59
Total:		\$ 18,150.00	\$ 14,319.87	\$ 3,336.43

We have a new member revenue budget goal of \$120,000 for national share, and to date we have collected 23% of that goal since we began collecting 2019 dues in Q4.

2019 Renewals Update

We continue to trend earlier than past years on our collection of renewal dues. We have currently met 86% of our renewal budget. Seventy-six percent of our members have renewed, with an 82% renewal rate for utilities. The grace period allows members to pay until March 31 without losing their membership privileges. See the attached list of members still due to renew.

Recycled Water User Network (RWUN)

We have recruited 44 unique utilities (20% of our utility members) to be Partners in the RWUN. All the utilities have been sent text to post on their website, a sample email to customers, and the RWUN logo. Staff is working to set up section-specific webcasts to help recruit and train regional Partners to utilize the program for their customers. A second nationwide recruitment webcast will be scheduled for May. We continue to work thru trademark issues with respect to the Water Star™ label.

Recruitment Activities

The Executive Director traveled to Albuquerque, New Mexico for NACWA's winter meeting and met with a number of prospects. Erin DiMenna and Greg Fogel staffed a booth at the 2019 Membrane Technology Conference & Exposition in New Orleans in February and WateReuse will host a booth at the WateReuse California Conference in March. Conference calls to discuss prospects were held with the leadership of WateReuse Florida on January 31, 2019 and WateReuse California on February 22, 2019. WateReuse Texas has been invited to participate in a call at their earliest convenience. The prospective member priorities are utilities and businesses with anticipated dues greater than \$5,000. A list of top prospects is attached.

34th Annual WaterReuse Symposium

Planning and Progress

- We are in negotiations with an anticipated Keynote speaker (Peter Annin, author of *The Great Lakes Water Wars*).
- Registration will open the week of April 6
- Exhibitor registration will open the week of April 6
- To date, we have secured 3 \$10,000 sponsors and 2 \$5,000 sponsors
- Two technical tours are planned for Sunday, September 8; (1) Poseidon Water – Carlsbad Desalination Plant, and (2) San Diego Pure Water and Padre Dam.
- This year's group outing will include the Padres vs. Cub Baseball game at Petco Park on Monday evening followed by a reception at the San Diego Maritime Museum onboard the Berkeley Tuesday evening.

Technical Session Abstracts

- We received 249 abstracts. Those abstracts have been sorted and sent to the review panel. The panel has approximately three weeks to review and make final recommendations.

How Can the Board Help?

- Sign on as a Sponsor
- Promote the Symposium when attending other conferences
- Encourage others to consider becoming a Sponsor
- Encourage attendance

Advocacy Report

Congressional Advocacy

H.R.7279, the Water Infrastructure Improvement Act (115th Congress)

In early January, the President signed *H.R.7279, the Water Infrastructure Improvement Act*, which codifies integrated water management for clean water resources within the Federal Clean Water Act (CWA). The bill's champions included Congressman Bob Gibbs (R-OH), with cosponsors Grace Napolitano (D-CA), Bob Latta (R-OH), Marcia Fudge (D-OH), Steve Chabot (R-OH), Cheri Bustos (D-IL), and Dave Joyce (R-OH). Senate sponsors were Senators Deb Fischer (R-NE), Sherrod Brown (D-OH), Ben Cardin (D-MD), John Boozman (R-AR), Rob Portman (R-OH), Roy Blunt (R-MO), Cory Booker (D-NJ), James Inhofe (R-OK), Amy Klobuchar (D-MN), and Joe Donnelly (D-IN).

The bill amends the Clean Water Act to authorize the incorporation of integrated management plans into NPDES permits. It dictates that an integrated plan may include implementation of projects to reclaim, recycle, or reuse water. The bill also amends CWA to create a new section on "Green Infrastructure," which it defines as the range of measures that use plant or soil systems, permeable pavement or other permeable surfaces or substrates, stormwater harvest and *reuse*, or landscaping to store, infiltrate, or evapotranspire stormwater and reduce flows to sewer systems or to surface waters. EPA is directed to promote green infrastructure and integrate it into its operations and programs.

Finally, the bill creates a new Office of the Municipal Ombudsman at EPA, and directs the Office to provide municipalities information about the opportunity to develop an integrated plan. The next step for WaterReuse will be working with EPA to help guide implementation decisions.

116th Congress

With a new Congress sworn in January, we have been building on our relationships with new leaders of relevant Congressional committees and subcommittees, and developing relationships with new Members of Congress. In the House and Senate, we met with staff for the Senate Energy and Natural Resources Committee, Senate Environment and Public Works Committee, House Transportation and Infrastructure Committee, House Natural Resources Subcommittee on Water, and House T&I Subcommittee on Water. We also delivered welcome letters from WRA and our members to many new Members of Congress, and began to meet with those offices.

Title XVI Reauthorization

We are pursuing a legislative effort to increase and extend the authorization of the Bureau of Reclamation's Title XVI water recycling and reuse competitive grants program (Title XVI-WIIN) and working with House and Senate champions, Rep. Grace Napolitano (D-CA) and Sen. Diane Feinstein (D-CA). Rep. Grace Napolitano introduced a marker bill, *Water Recycling Investment and Improvement Act* (HR 1162) which would reauthorize Title XVI-WIIN competitive grant program and increase funding levels from \$50 million to \$500 million. The bill proposes to expand the geographic scope of the program by removing a requirement that projects be located in sustained drought or disaster areas,

makes the program truly competitive by removing a requirement that Congress sign off on each selected project, and increases the individual program funding cap from \$20 million to \$30 million.

In addition to Rep. Napolitano, the following members signed on to the bill as original cosponsors: Eddie Bernice Johnson (D-TX), Lucille Roybal-Allard (D-CA), Jerry McNerney (D-CA), Harley Rouda (D-CA), Jared Huffman (D-CA), Alan Lowenthal (D-CA), Julia Brownley (D-CA), Filemon Vela (D-TX), Norma J. Torres (D-CA), Salud Carbajal (D-CA), Dina Titus (D-NV), Katie Hill (D-CA), Gilbert R. Cisneros Jr. (D-CA), Josh Harder (D-CA), Anna Eshoo (D-CA), Linda T. Sanchez (D-CA). WateReuse worked very closely with Rep. Napolitano on her legislation, and will continue to advance our Title XVI goals as part of ongoing conversations about infrastructure investments.

Alternative Water Source Grant Program, Clean Water SRF and other EPA Funding Programs

Alongside our Title XVI effort, we are working to reauthorize the Program for Alternative Water Source Projects, which has not been authorized since 2004. Under the program, EPA would be able to fund projects aimed at meeting critical water supply needs by conserving, managing, reclaiming, or reusing water, wastewater, or stormwater, or by treating wastewater or stormwater. At the time of writing, the House Transportation and Infrastructure Committee Democrats are planning to introduce a Clean Water SRF reauthorization bill that will include language to reauthorize the Alternative Water Source Program at \$75 million per year for five years. WateReuse will work to enact the legislation and then get the program funded through the annual appropriations process. The same bill reauthorizes the Clean Water SRF at \$4 billion per year, State Management Assistance at \$300 million per year, Watershed Pilot Projects at \$120 million per year, and Section 319 grants (nonpoint source management) at \$200 million per year.

FY2019/2020 Appropriations

On the appropriations front, Congress passed a final FY 2019 appropriations package in February after a prolonged fight over the Southern border wall. WateReuse worked closely with allies on the Hill to protect critical programs and secure a number of funding increases. See below for a detailed breakdown:

	FY18 Omnibus	FY19 House	FY19 Senate	FY19 Enacted
CWSRF	\$1,693,887,000	\$1,543,877,000	\$1,694,000,000	\$1,694,000,000
DWSRF	\$1,163,233,000	\$1,013,233,000	\$1,164,000,000	\$1,164,000,000
WIFIA	\$63,000,000	\$70,000,000	\$63,000,000	\$68,000,000
USDA RD Water and Waste	\$1,060,263,000	\$958,183,000	\$958,183,000	\$2,023,690,000
USDA conservation programs	No cuts	No cuts	No cuts	No cuts

As this goes to print, WaterReuse is actively preparing for the release of the President's FY 2020 budget, and the start of the FY 2020 appropriations cycle. We will be analyzing the budget request and submitting testimony and letters to the relevant appropriations subcommittees. We will also meet with every subcommittee member. We will work with our national partners to align requests and efforts.

Administration Advocacy

In addition to our work with Congress, we engaged with the Trump Administration to help guide program implementation. We developed and submitted comments in response to the Army Corps of Engineers' request for input on the development of implementation guidance for the Water Resources Development Act (WRDA) of 2018. We are in the process of following up with the Corps regarding implementation of the Local Water Management Plans section of WRDA. We also expanded conversations with EPA regarding the development of a federal action plan on water reuse and recycling. We are working closely with EPA to develop the action plan in preparation for its roll out at the September WaterReuse Symposium in San Diego, CA.

NACWA and WEF may be interested in supporting our advocacy work on Capitol Hill and with the Administration with funding that would allow us to continue contracting with O'Connell & Dempsey for Mia O'Connell's lobbying services. The additional lobbying support from O'Connell & Dempsey will ensure that we have the capacity to follow-thru on our advocacy priorities this year.

Litigation

The U.S. Supreme Court has granted Maui County, Hawaii's petition to hear its ongoing injection well case that could ultimately impact permitting requirements for recycled water groundwater recharge projects. The Supreme Court will consider whether the Clean Water Act (CWA) requires a permit when pollutants originate from a point source but are conveyed to navigable waters by a nonpoint source, such as groundwater. The WaterReuse Association joined with twelve other associations representing municipalities and water utilities in submitting an Amicus Brief urging the Supreme Court to overturn a U.S. Court of Appeals for the Ninth Circuit's ruling that underground injection of treated effluent requires a permit under the CWA's National Pollutant Discharge Elimination System (NPDES).

In February 2018, the Ninth Circuit held that the County of Maui's injection of highly treated effluent into an underground aquifer in compliance with the Safe Drinking Water Act (SDWA)'s Underground Injection Control program violated the CWA. In a novel interpretation of the CWA, the court determined that because trace amounts of effluent seeped into the Pacific Ocean through underground crevices miles from the injection well, the discharge required a permit under the CWA. Because Maui County did not also obtain a NPDES permit for its underground injection program, the court held that it violated the CWA. The implications for this ruling are far-reaching for water recycling utilities that rely on aquifer recharge for their water supply program and comply with existing control programs required by the SDWA. The WaterReuse Association is part of a coalition of organizations that urged the Supreme Court and the Environmental Protection Agency to reject the Ninth Circuit's interpretation of what should be considered a discharge under the CWA.

Advocacy Report Supporting Documents

- Statement on *Principles Related to Alternative Sources of Water Supply and On-site Non-Potable Water Systems*
- Comment Letter to Army Corps of Engineers Regarding Implementation of Sec. 1164, Integrated Water Management Plans
- Stakeholder Letter on Infrastructure Package
- H.R. 1162, Water Recycling Investment and Improvement Act
- H.R. ___ *Water Quality Protection and Job Creation Act of 2019*
- H.R. 7279, *Water Infrastructure Improvement Act*

Communications and Public Outreach Report

Completed Webcasts

WaterReuse hosted three webcasts, December through February. There were 325 total registrations, including 36 non-members that paid \$1,764 to participate.

2018 WEBCAST SCHEDULE					
Date	Topic	Total Registrants	Paid Registrants	Percent Paid	Income
December 11	Using Onsite Water Recycling Systems to Transform Water Management	120	17	14.2%	\$833
January 16	National Advocacy Opportunities for Water Reuse	73	8	10.9%	\$392
February 14	Community Engagement for Potable Reuse	132	11	8.3%	\$539

Upcoming Webcasts

In an effort to bring more value to our members, we have entered into several agreements with partner organizations for webcast content and marketing. The WaterReuse International Committee is also working on developing a webcast on international developments, including a presentation from Singapore's Public Utility Board.

Date	Topic	Partner
March 13	Best Opportunities for Industrial Water Reuse	Bluefield Research
March 14	Pretreatment for Seawater RO and Carlsbad (14-07/15-06)	Water Research Foundation
April 10	Membrane Methods for Managing Constituents of Emerging Concern in Recycled Water	American Membrane Technology Association
May	Bioanalytical Screening Tools for Recycled Water Policy Development in California	Southern California Coastal Water Research Project
June 5	Municipal Water Reuse Market Forecast	Bluefield Research
June	Integrating Management of Sensor Data for a Real Time Response (14-01)	Water Research Foundation
July	Comparison of State Reuse Regulatory Schemes	National Water Research Institute
August	Potable Reuse & Pathogens/Molecular Methods (14-17/15-07)	Water Research Foundation

Date	Topic	Partner
September	Enhanced Source Control Methodology for More Efficient Water Recycling	National Water Research Institute
October	Post Treatment Challenges for Potable Reuse	Water Research Foundation
October 16	Increasing Use of MBR in Recycling Water	American Membrane Technology Association
November	Treatability of TOCs from DPR vs Surface Water (15-04)	Water Research Foundation
November	Determining The Potential Effects of Diverting Treated Wastewater for Water Recycling Purposes	Southern California Coastal Water Research Project
December	CA State Water Board Grant 1 program	Water Research Foundation

WaterReuse Review

WaterReuse Review is the WaterReuse Association's member newsletter.

Activity December 1, 2018 – February 18, 2019:

- **Number of Issues:** 9
- **Average Number of Readers per Issue:** 1023 (+45)

WaterReuse Connect

WaterReuse Connect is the WaterReuse Association's member only online community.

Activity December 1, 2018 – February 18, 2019:

- Current Members: 8,712 (+119)
- Discussion Posts and Replies: 57 (+31)
- New Threads: 6 (-4)

Social Media

Activity December 31, 2018 – February 18, 2019:

- **Twitter Followers:** 5,499 (+144)
- **LinkedIn Followers:** 3,121 (+22)
- **Facebook Page Likes:** 999 (+11)

2018 Annual Report

The 2018 Annual Report for the WaterReuse Association is in production and will be released in March.

Profiles in Reuse

The WateReuse Association entered into an agreement with Katz & Associates, Inc., a communications firm specializing in water issues, to produce the first in a series of *Profiles in Reuse*. The *Profiles in Reuse* are a branded series of flyers on key water reuse issues designed to inform nontechnical audiences, including policymakers, regulators, and public health officials. The first *Profile in Reuse* on potable reuse is scheduled to be released in April.

Communications Projects in Process for Next Quarter

The staff is working on several projects to enhance the association's communications and to provide tools for the membership, including:

- 30th Anniversary video
- Website mobile and design refresh

Medical Community Initiative

Staff continues to build out the [watereuse.org](https://watereuse.org/educate/water-reuse-101/medical-community-initiative/) website to include a resource library for public health professionals: <https://watereuse.org/educate/water-reuse-101/medical-community-initiative/>. The committee is providing input on developing a factsheet on potable reuse (see above discussion on *Profiles in Reuse*.)

Staff is building a network of public health officials to secure partnerships and collaborations. Recent informal additions to the network include:

- Amy R. Sapkota, PhD, MPH, Director, UMD Global STEWARDS NSF National Research Traineeship (NRT) Program, Maryland Institute for Applied Environmental Health, University of Maryland School of Public Health
- John Sarisky, RS, MPH, DAAS, CAPT, USPHS (Retired), Chief, Water, Food, and Environmental Health Services Branch, Division of Environmental Health Science and Practice, National Center for Environmental Health, Centers for Disease Control and Prevention
- Lola Olabode, MPH, BCES, Program Director, Water Research Foundation

All have expressed interest in working with us on this initiative. Captain Sarisky has made several commitments. He has invited WRA Subject Matter Experts to participate in a science seminar to be followed by a series of small group discussions and a private briefing with the Center Director, Patrick Breyse, PhD, CIH; he will participate in monthly calls on the initiative; and has offered communications staff to assist with outreach materials development.

Additional meetings are planned with:

- American Public Health Association
- National Environmental Health Association
- Association of State and Territorial Health Officials

- National Association of County and City Health Officials

A second tier of organization outreach will follow this first round of introductions.

Staff has begun work on an informative video. A Story Board is under development. El Paso staff has corresponded with the office of Dr. Sanjay Gupta of CNN regarding a grant of access to the excess footage shot of Dr. Gupta when he was in El Paso to create a program on water resiliency in the South West. The piece aired November 29th. <https://www.cnn.com/videos/us/2018/11/30/gupta-climate-change-el-paso-water-pkg-vpx.cnn>. It was quite short after editing. CNN's initial response was encouraging.

Committee members include:

Guy Carpenter
Jon Freedman
Joe Jacangelo
Steve Jones
Channah Rock
Amy Tracy
Gilbert Trejo
Bart Weiss
Eva Steinle-Darling
Patsy Tennyson

WaterReuse Members Due to Renew as of February 22, 2019

ARIZONA

Display Name	Dues	Section	Type	First Name	Last Name	Email
Apache Junction Water District	675	AZ	UTIL	Frank	Blanco	fblanco@ajcity.net
City of Goodyear	675	AZ	UTIL	Barbara	Chappell	barbara.chappell@goodyearaz.gov
City of Peoria	4,450	AZ	UTIL	Robert	Hollander	bob.hollander@peoriaaz.gov
City of Safford	675	AZ	UTIL	Ginaveve	Howard	jhoward@saffordaz.gov
City of Show Low	675	AZ	UTIL	William	Kopp	bkopp@showlowaz.gov
City of Tempe	4,450	AZ	UTIL	Holly	Rosenthal	holly_rosenthal@tempe.gov
Jacobs	5,225	AZ	RRB	Larry	Schimmoller	larry.schimmoller@jacobs.com
PCL Construction, Inc.	5,225	AZ	RRB	Ken	Slota	kjslota@pcl.com
Stantec	5,225	AZ	RRB	Zakir	Hirani	zakir.hirani@stantec.com
Traher Consulting	175	AZ	RRB	Patti	Traher	patti.traher@gmail.com
Wastewater Solutions, Inc.	175	AZ	RRB	Randal	Cecala	randc@wastewatersolutionsinc.com
Arizona Dept of Water Resources	275	AZ	INST	Chanel	Fitch-Kirkpatrick	cmfitch@azwater.gov

CALIFORNIA

Display Name	Dues	Section	Type	First Name	Last Name	Email
Camrosa Water District	1,017	CA	UTIL	Tony	Stafford	tstafford@camrosa.com
City of Healdsburg	722	CA	UTIL	Terry	Crowley	tcrowley@ci.healdsburg.ca.us
City of Los Angeles, LA Sanitation	11,182	CA	UTIL	Doug	Walters	doug.walters@lacity.org
City of Oxnard	6,153	CA	UTIL	Daniel	Rydberg	daniel.rydberg@oxnard.org
City of San Jacinto	1,017	CA	UTIL	Andy	Ramirez	aramirez@sanjacintoca.us
City of Santa Clara	3,932	CA	UTIL	Gary	Welling	water@santaclaraca.gov
City of Santa Cruz	2,515	CA	UTIL	Heidi	Luckenbach	hluckenbach@cityofsantacruz.com
Ironhouse Sanitary District	1,017	CA	UTIL	Chad	Davisson	davisson@isd.us.com
LADWP	11,182	CA	UTIL	Terrence	McCarthy	terrence.mccarthy@ladwp.com
San Jose Water Company	10,647	CA	UTIL	Craig	Giordano	craig_giordano@sjwater.com
Silicon Valley Clean Water	6,153	CA	UTIL	Vanessa	Ventura	vventura@svcw.org
Sonoma County Water Agency	9,523	CA	UTIL	Michael	Thompson	michael@scwa.ca.gov
Town of Yountville	722	CA	UTIL	Don	Moore	dmoore@yville.com
Vallecitos Water District	2,515	CA	UTIL	Tom	Scaglione	tscaglione@vwd.org
AECOM	5,591	CA	RRB	Susan	Slottke	susan.slottke@aecom.com
CSI Environmental	615	CA	RRB	Bob	Manii	bobmanii@csienvironmental.org
DRP Engineering, Inc.	455	CA	RRB	Curt	Roth	curt@drpwater.com
Envirospetives, Inc.	187	CA	RRB	Eric	Rosenblum	eric@envirospetives.com
Fall Creek Engineering, Inc	294	CA	RRB	Peter	Haase	phaase@fallcreekengineering.com
Hotaru Co.	187	CA	RRB	Ryo	Yamada	ryoyamada.e@gmail.com
Milner-Villa Consulting	187	CA	RRB	Brad	Milner	mvconsulting1@gmail.com
MNS Engineers, Inc.	615	CA	RRB	Marylou	Pritchard	mpritchard@mnsengineers.com
Nova Water Technologies LLC	803	CA	RRB	Mark	Murphy	markmurphy@novawt.com
Safe-H2O Inc.	187	CA	RRB	Michael	Jones	michael@safe-h2o.com
Scinor Water America LLC	455	CA	RRB	Thomas	Poschmann	tom.poschmann@scinor.com
Smart Water Group LLC	187	CA	RRB	Ben	Perlman	ben@wfi-group.net
Smith & Loveless, Inc.	3,371	CA	RRB	Rodney	Mrkvicka	rmrkvicka@smithandloveless.com
Stetson Engineers, Inc.	615	CA	RRB	Stephen	Johnson	stevej@stetsonengineers.com
T. Gerald Cole Recycled Water	187	CA	RRB	T. Gerald	Cole	coletg@comcast.net
Watts	187	CA	RRB	Joe	Munoz	joe.munoz@wattswater.com
California Dept of Transportation	294	CA	INST	Jerry	Marcotte	jerry.marcotte@dot.ca.gov

COLORADO

Display Name	Dues	Section	Type	First Name	Last Name	Email
AquaSan	750	CO	RRB	Carmine	Iadarola	carmine@aquasan.biz

Bachman H2O Consulting	175	CO	RRB	Gregory	Bachman	masterh2o@yahoo.com
Dribble Water Management	175	CO	RRB	Kennyberg	de Araujo	k773berg@yahoo.com
<i>Greyter Water Systems</i>	275	CO	RRB	John	Bell	jbell@greyter.com
VisuGen Global LLC	175	CO	RRB	John	Gerdes	visugen.jg@gmail.com
Denver Parks and Recreation	275	CO	INST	Arthur	Gilkison	arthur.gilkison@denvergov.org
Nat'l Enivro. Health Association	275	CO	INST	Christl	Tate	ctate@neha.org

FLORIDA

<u>Display Name</u>	<u>Dues</u>	<u>Section</u>	<u>Type</u>	<u>First Name</u>	<u>Last Name</u>	<u>Email</u>
City of Tavares	675	FL	UTIL	Brad	Hayes	bhayes@tavares.org
Collier County BCC	950	FL	UTIL	Robert	Kaine	robert.kaine@colliercountyfl.gov
<i>Miami-Dade Water & Sewer</i>	9,950	FL	UTIL	Josenrique	Cueto	josenrique.cueto@miamidade.gov
Pinellas County Utilities	8,375	FL	UTIL	Randi	Kim	rkim@pinellascounty.org
Town of Davie Utilities	950	FL	UTIL	Don	Bayler	don_bayler@davie-fl.gov
Aquaback Technologies, Inc.	175	FL	RRB	Scott	Newquist	snewquist@aquaback.com
<i>Arcadis</i>	5,225	FL	RRB	Christopher	Hill	chris.hill@arcadis.com
Barr Engineering Company	4,200	FL	RRB	Erin	A. Wenz	eandersonwenz@barr.com
Brown and Caldwell	5,225	FL	RRB	Veronica	Wood	vwood@brwnncald.com
Eco Water Technologies, Corp	175	FL	RRB	Paul	Culler	pculler@ecowwc.com
Janet Llewellyn, LLC	175	FL	RRB	Janet	Llewellyn	water@jgllewellyn.com
Lewis, Longman & Walker, P.A.	575	FL	RRB	John	Wallace	jwallace@llw-law.com
University of Miami	275	FL	INST	James	Englehardt	jenglehardt@miami.edu

PACIFIC NORTHWEST

<u>Display Name</u>	<u>Dues</u>	<u>Section</u>	<u>Type</u>	<u>First Name</u>	<u>Last Name</u>	<u>Email</u>
City of Quincy	675	PNW	UTIL	Scott	Cave	sacave81@gmail.com
City of Silverton	675	PNW	UTIL	Steve	Starnier	sstarnier@silverton.or.us
City of Snoqualmie	675	PNW	UTIL	Todd	Saxberg	tsaxberg@ci.snoqualmie.wa.us
Chemica Technologies, Inc	175	PNW	RRB	Andrea	Adamson	aadamson@chemica.com

TEXAS

<u>Display Name</u>	<u>Dues</u>	<u>Section</u>	<u>Type</u>	<u>First Name</u>	<u>Last Name</u>	<u>Email</u>
City of Abilene	2,925	TX	UTIL	Rodney	Taylor	rodney.taylor@abilenetx.com
City of Kyle - Public Works Dept.	950	TX	UTIL	Jason	Biemer	jbiemer@cityofkyle.com
City of Lubbock	6,375	TX	UTIL	Aubrey	Spear	aspear@mylubbock.us
<i>Dallas Water Utilities</i>	9,950	TX	UTIL	Richard	Wagner	richard.wagner@dallascityhall.com
New Braunfels Utilities	2,350	TX	UTIL	Trino	Pedraza	tpedraza@nbutexas.com
CleanerWaters	175	TX	RRB	Gregory	Kent	greg@cleanerwaters.com
E3 Water, LLC	175	TX	RRB	Ken	Roberson	ken@e3water.com
<i>Freese and Nichols, Inc.</i>	3,150	TX	RRB	David	Sloan	dws@freese.com
JORGE A. ARROYO, PE	175	TX	RRB	Jorge	Arroyo	jarroyo@austin.rr.com
Livingston Associates	175	TX	RRB	Eddie	Livingston	elivingston@livingston-associates.c
McManus & Johnson Consulting	275	TX	RRB	Robert	Johnson	rjohnson@mcmanusjohnson.com
NCH Corporation	5,225	TX	RRB	Marta	Drewniak	marta.drewniak@nch.com
ReUse Innovations	750	TX	RRB	Randall	Nelson	randall@renewingwastewater.com
<i>Xylem, Inc.</i>	5,225	TX	RRB	Kevin	Flis	kevin.flis@xyleminc.com

NO PRIMARY SECTION

<u>Display Name</u>	<u>Dues</u>	<u>Section</u>	<u>Type</u>	<u>First Name</u>	<u>Last Name</u>	<u>Email</u>
City of Atlanta	9,950	N/A (GA)	UTIL	Kishia	Powell	kpowell@atlantaga.gov
City West Water	8,375	N/A (AUS)	UTIL	Simon	Wilkinson	simon.wilkinson@citywestwater.co
Aquacion Group inc.	175	N/A (CAN)	RRB	Alain	Blais	alain.blais@aquacion.com
AquaHarvest Technologies	175	N/A (IL)	RRB	Brendan	Bates	brendan@aquaharvesttech.com
Gradiant Osmotics	575	N/A (MA)	RRB	Richard	Stover	rstover@gradient.com
Longcrier Communications	175	N/A (OK)	RRB	Sandra	Longcrier	sandra@longcriercommunications.

Pall Water	5,225	N/A (NY)	RRB	Kate	Koerber	kate_koerber@pall.com
Pentair	5,225	N/A (MN)	RRB	Phil	Rolchigo	phil.rolchigo@pentair.com
Suez	5,225	N/A	RRB	Dianne	Rose	dianne.rose@suez.com
Concurrent Technologies Corp	275	N/A (VA)	INST	Jeff	Grabarek	grabarej@ctc.com
Montclair State University	275	N/A (NJ)	INST	Yang	Deng	dengy@montclair.edu
Special Pathogens Laboratory	275	N/A (PA)	INST	Janet	Stout	jstout@specialpathogenslab.com
UNC Chapel Hill	275	N/A (NC)	INST	Margaret	Holton	mdholton@energy.unc.edu
University of Melbourne	275	N/A (AUS)	INST	Peter	Scales	peterjs@unimelb.edu.au
University of Michigan	275	N/A (MI)	INST	John	Foster	jefoster@umich.edu

Italics indicate that member has indicated that the renewal payment is in process.

WateReuse Priority Utility Prospects

<u>Prospects</u>	<u>Dues</u>	<u>State</u>	<u>Section</u>
Alameda County Water District	\$ 7,850	CA	California
City of Anaheim	\$ 7,850	CA	California
City of Stockton	\$ 7,850	CA	California
Helix Water District	\$ 7,100	CA	California
Placer County Water Agency	\$ 5,750	CA	California
San Diego County Department of Public Works	\$ 10,450	CA	California
San Gabriel Valley Water Company	\$ 8,375	CA	California
Santa Ana Watershed Project Authority	\$ 10,975	CA	California
Union Sanitary District (CA)	\$ 7,850	CA	California
Bay County Wastewater Division	\$ 5,125	FL	Florida
Brevard Co., Utility Services	\$ 8,900	FL	Florida
Broward County Water and Wastewater Services	\$ 8,900	FL	Florida
City of Lakeland	\$ 5,750	FL	Florida
City of Lakeland (FL)	\$ 5,750	FL	Florida
City of Orlando	\$ 7,100	FL	Florida
City of Port St. Lucie	\$ 5,125	FL	Florida
City of St. Petersburg	\$ 7,100	FL	Florida
City of Tallahassee	\$ 5,125	FL	Florida
Collier County BCC	\$ 7,850	FL	Florida
Emerald Coast Utilities Authority	\$ 7,850	FL	Florida
Hernando Co. Utilities Dept	\$ 5,125	FL	Florida
Lee Co. Utilities	\$ 8,900	FL	Florida
Lee Co. Utilities	\$ 8,900	FL	Florida
Marion Co. Utilities	\$ 7,850	FL	Florida
Orange County Utilities	\$ 9,950	FL	Florida
Orlando Utilities Commission	\$ 8,375	FL	Florida
Palm Beach County Water Utilities	\$ 8,900	FL	Florida
Peace River Manasota Regional Water Supply Authority	\$ 9,400	FL	Florida
Seminole Co. Env. Services	\$ 8,375	FL	Florida
St. Johns County Utilities Department	\$ 6,375	FL	Florida
Volusia Co. Utilities	\$ 8,900	FL	Florida
City of Reno, Public Works	\$ 7,100	NV	Nevada
City of Portland	\$ 8,900	OR	PNW
City of Tacoma, Environmental Services Department	\$ 5,750	WA	PNW
Pierce County Sewer Utility	\$ 9,400	WA	PNW
City of Corpus Christi Wastewater Department	\$ 7,500	TX	Texas
City of Frisco	\$ 4,450	TX	Texas
City of Garland	\$ 6,100	TX	Texas
City of Laredo	\$ 6,800	TX	Texas
Colorado River Municipal Water District	\$ 8,000	TX	Texas
Lower Colorado River Authority	\$ 9,500	TX	Texas
San Antonio River Authority	\$ 9,500	TX	Texas
Chesterfield County Department of Utilities	\$ 7,850	VA	Chesapeake
Howard County	\$ 7,850	MD	Chesapeake
Washington Suburban Sanitary Commission	\$ 9,950	MD	Chesapeake

Camden County Municipal Utilities Authority	\$	8,375	NJ	East Coast
Nassau County, NY	\$	9,950	NY	East Coast
NYC Department of Environmental Protection	\$	10,500	NY	East Coast
Berkeley County Water and Sanitation	\$	5,750	SC	Carolinas
Brunswick County Public Utilities	\$	3,675	NC	Carolinas
Charleston Water System	\$	9,400	SC	Carolinas
Charlotte Water	\$	9,400	NC	Carolinas
City of Greensboro	\$	7,100	NC	Carolinas
City of Raleigh Public Utilities Department	\$	8,900	NC	Carolinas
Greenville Renewable Water Resources	\$	8,375	SC	Carolinas
Renewable Water Resources	\$	8,900	SC	Carolinas
Spartanburg Water	\$	5,750	SC	Carolinas
Clayton County Water Authority	\$	7,100	GA	Georgia
Cobb County	\$	8,900	GA	Georgia
Columbus Water Works	\$	6,375	GA	Georgia
Fulton County	\$	9,950	GA	Georgia
City of Santa Fe's Wastewater Management Division	\$	2,350	NM	No Section
Kansas City Water Services	\$	8,900	MO	No Section
Subtotal	\$	487,975		
30% of Prospects	\$	146,393		
Share to Sections (15%)	\$	21,959		
Share to National (80%)	\$	124,434		

WaterReuse Priority Business Prospects

<u>Prospective Member</u>	<u>Contact</u>
Archer Western	Roy Epps
Avista Technologies	Dave Walker
Burns and McDonnell	
Desalitech	Matt Jones
Geosyntec Consultants	Erin Reed
Gresham Smith & Partners	
Hach Company	Wade Jackson
Kiewit	Marc Wheeler
MWH Constructors (broke off from Stantec)	Paul Allison
Parsons	
Severn Trent	
Veolia	
Wood	Paul Garrett

Treasurer's Report

Documents:

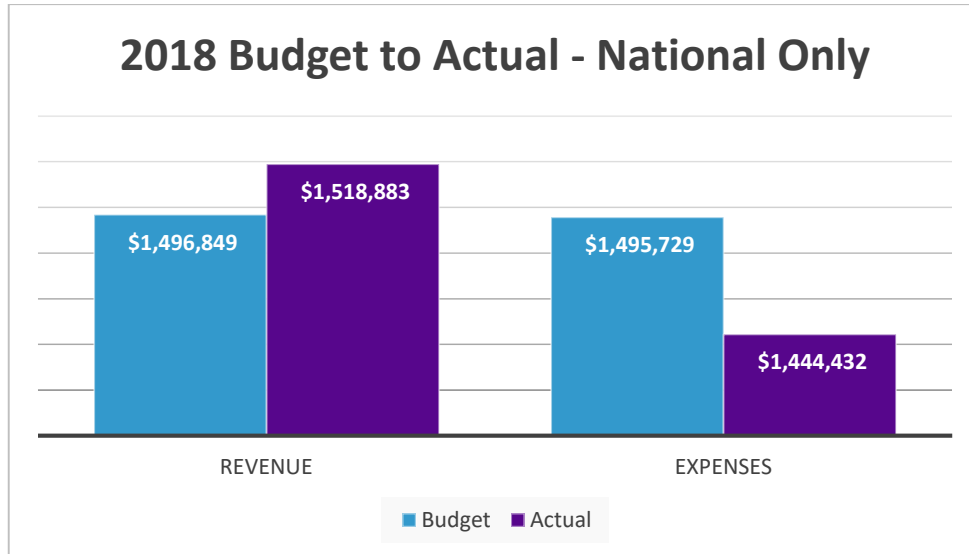
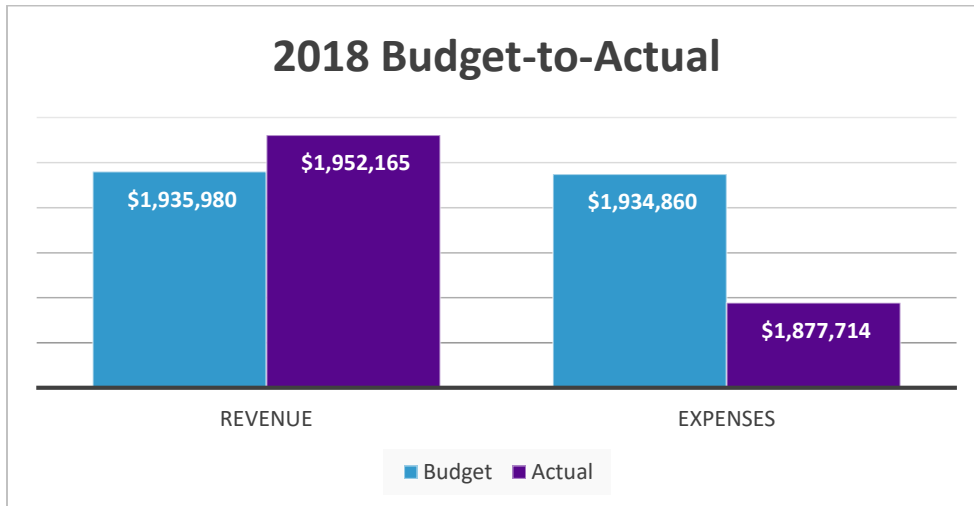
- 2019 1st Quarter Financial Report
- TAF Request: Sponsorship Request from Project WET for *Kids in Discovery* Publication

Board Action:

- Approval of *Kids in Discovery* Sponsorship



1st Quarter 2019 – Financial Report



2018 Revenue and Expenses

Unaudited revenue and expenses:

- Revenue: \$1,518,883
- Expenses: \$1,444,432
- Undesignated Reserves: \$74,451

Revenue: National	Amount
Dues	\$914,065
Symposium	\$560,200
Products and Services	\$17,679
Other	\$7,068
Interest	\$19,871
Total	\$1,518,883

Expenses: National	Amount
Administration	\$914,065
Symposium	\$560,200
Total	\$1,444,432

2018 Reserves/Excess

Retained Earnings ¹	\$761,638
Operating Reserves ²	\$335,635
Contractual Obligations Reserves ³	\$356,197
Undesignated Reserves ⁴	\$69,806
Plus 2018 unaudited excess revenue	\$74,451
Total Undesignated Reserves at end of 2018 (unaudited)	\$144,257

- 1 Retained Earnings is equity calculated as of January 1, 2018.
- 2 Operating Reserves are 25% of the 2019 approved operating budget which is \$1,342,541. Operating budget excludes Symposium.
- 3 Contractual Obligations Reserves is cost of cancellation for: 2019 and 2020 Annual Symposiums, and rent obligation for 2020.
- 4 Undesignated Reserves is Retained Earnings minus Operating Reserves and Contractual Obligations Reserves.

As detailed in the diagram and footnotes above, as of December 31, 2018, we have undesignated reserves of \$144,257.

Based on a recommendation by the Treasurer, we plan to set aside approximately 27% (or \$40,000) for an operating contingency; as well as, an additional 10% (or \$14,000) for a future office move. After these allocations, the remaining balance in the reserve is \$90,000, which will be earmarked for the TAF.

2019 1st Quarter Summary

Overview

During the 1st Quarter, staff is working aggressively to meet our membership dues revenue projections to ensure sufficient operating revenue early in the fiscal year, and closely monitoring expenses to ensure we stay within our budget.

2019 Dues Revenue

We have collected 81% of projected dues for 2019.

Dues	2019 Budget	2019 Actual
National	\$ 1,039,200	\$ 829,598
State Sections*	\$ 448,000	\$ 369,803
Total	\$ 1,507,720	\$ 1,199,401

Investments: Short-Term

WateReuse is working with Ferguson Johnson Wealth Management as we set up the new investment account. We are working to transition our assets to the investment firm. We are also looking for Board volunteers to serve on the Investment Committee, and hope to have the Committee finalized in the first quarter.

In the interim, cash has been invested in short-term CDs to reduce the amount of cash-on-hand above \$250,000 which is the limit on insurance for bank deposits by the Federal Deposit Insurance Corporation.

Current CDs

Bank	Amount	Length	Maturity Date	Rate	Projected Interest
Synchrony Bank	\$ 240,000	24 months	May 18, 2020	2.75%	\$ 3,272.87
Sallie Mae Bank	\$ 240,000	24 months	May 26, 2020	2.75%	\$ 3,272.87
Morgan Stanley	\$ 13,000	24 months	May 26, 2020	2.75%	\$ 177.28
Total					\$ 6,723.02

Targeted Action Fund (TAF) update

During its 2018 4th Quarter Board meeting, the Board revised the Association's Governing Policy with respect to project funding requests and established a Targeted Action Fund to support program-related initiatives that are not included in the annual budget. The policy allows the Executive Director to transfer excess operating revenue remaining at the end of a fiscal year to the TAF and establishes a review process for approving project spending. For 2019, the Executive Director has approved the transfer of excess operating revenue remaining at the close of 2018 of \$90,000.

The chart below indicates TAF accounting for 1st Quarter of 2019:

Revenues:	
Hillsborough funds *	35,000.00
Funds earmarked from 2018 excess	90,000.00
Total	125,000.00
Expenses:	
Travel (Bart Weiss)	5,409.89
Total	5,409.89
Balance at 2.28.19 **	119,590.11

* - During the 2018 4th Quarter board meeting, the board approved the \$35,000 to be spent as follows:

\$10,000 – Build upon existing educational materials

\$10,000 – Creating advocacy and outreach materials

\$15,000 – Conferences, meetings and travel

** - The TAF balance at February 28, 2019 consists of Restricted Funds of \$29,590.11 (funds remaining to be spent on Hillsborough) and Unrestricted Funds of \$90,000.

Compliance

Our auditors, Rogers & Company, will begin the audit in late March.

WaterReuse Association 1st Quarter Budget-to-Actual (February 28, 2019)

Revenue	2019 Budget	2019 Actuals	Difference	Variance
Dues				
National Dues	\$ 919,720	\$ 794,416.55	\$ 125,303.45	86%
Section Dues	428,000	363,168.80	64,831.20	85%
New National Dues	120,000	35,181.24	84,818.76	29%
New Section Dues	20,000	6,634.24	13,365.76	33%
Recycled Water Consumer Network TM	20,000	0.00	20,000.00	0%
Subtotal	\$ 1,507,720.00	\$ 1,199,400.83	\$ 308,319.17	80%
Conferences & Events				
Registration	\$ 402,000	\$ -	\$ 402,000.00	0%
Sponsorship:	195,000		185,000.00	5%
Opening General Session Sponsors		0.00		
General Conference Sponsors		10,000.00		
Exhibitors	57,000	0.00	57,000.00	0%
Tickets, Tours & Workshops	9,000	0.00	9,000.00	0%
Subtotal	\$ 663,000.00	\$ 10,000.00	\$ 653,000.00	2%
Products & Services				
General Annual Sponsorship	\$ 20,000	0.00	20,000.00	0%
Webcasts	5,000	825.00	4,175.00	17%
Publications	500	0.00	500.00	0%
Job Bank	685	0.00	685.00	0%
Subtotal	\$ 26,185.00	\$ 825.00	\$ 25,360.00	3%
Special Projects				
Targeted Action Fund	\$ 35,000.00	0.00	35,000.00	0%
Subtotal	\$ 35,000.00	\$ -	\$ 35,000.00	0%
Other Revenue	-	\$ -		
Interest	\$ 16,000.00	\$ 1,023.92	\$ 14,976.08	6%
Total	\$ 2,247,905.00	\$ 1,211,249.75	\$ 1,036,655.25	54%

WaterReuse Association 1st Quarter Budget-to-Actual (February 28, 2019)

Expenses		Expenses	Difference	Variance
State Section Dues				
Arizona	\$ 32,446.00	\$ 25,664.97	\$ 6,781.03	79%
California	258,248	223,006.33	35,241.67	86%
Colorado	18,344	13,117.50	5,226.50	72%
Florida	41,100	28,937.50	12,162.50	70%
Nevada	14,876	17,985.00	-3,109.00	121%
Pacific Northwest	14,617	10,612.50	4,004.50	73%
Texas	48,369	43,845.00	4,524.00	91%
New Revenue	20,000	6,634.24	13,365.76	33%
Subtotal	\$ 448,000	\$ 369,803.04	\$ 78,196.96	83%
Overhead				
Rent / Utilities	\$ 85,666	\$ 20,113.32	\$ 65,552.68	23%
Copier	4,846	296.80	4,549.20	6%
Phone	1,722	205.10	1,516.90	12%
Subtotal	\$ 92,234	20,615.22	71,618.78	22%
Administration				
Insurance (non-employee)	\$ 2,650.00	\$ 13.34	\$ 2,636.66	1%
Online Tools	20,000	7,848.55	12,151.45	39%
Supplies	3,500	518.18	2,981.82	15%
Postage & Shipping	1,500	85.84	1,414.16	6%
Board and Other Meetings	30,000	1,378.00	28,622.00	5%
Credit Card Fees	9,000	0.00	9,000.00	0%
Bank Fees	150	0.00	150.00	0%
Depreciation	-	0.00	0.00	#DIV/0!
Other Fees	2,000	0.00	2,000.00	0%
Subtotal	\$ 68,800.00	\$ 9,843.91	\$ 58,956.09	14%
Infrastructure				
Technology	\$ 15,640	\$ 1,538.68	\$ 14,101.32	10%
Furniture	1,500	790.77	709.23	
Subtotal	\$ 17,140.00	\$ 2,329.45	\$ 14,810.55	14%
Staff Compensation				
Salaries	\$ 748,112	\$ 118,187.59	\$ 629,924.41	16%
Payroll Taxes	49,685	9,578.20	40,106.80	19%
Insurance	62,469	0.00	62,469.00	0%
Retirement	25,956	3,352.20	22,603.80	13%
Paid Time Off	63,115	0.00	63,115.00	0%
Additional Benefits	3,930	1,440.00	2,490.00	37%
Recruiting	\$ -	0.00	0.00	0%
Subtotal	\$ 953,267	\$ 132,557.99	\$ 820,709.01	14%
Contract Services				

WaterReuse Association 1st Quarter Budget-to-Actual (February 28, 2019)

Legal	\$ 1,500	\$ 368.75	\$ 1,131.25	25%
Accounting/Auditing	12,800	0.00	12,800.00	0%
Information Technology	6,600	3,770.00	2,830.00	57%
Lobbying	-	10,000.00	-10,000.00	
Management	61,000	4,642.67	56,357.33	8%
Other	7,500	0.00	7,500.00	0%
Subtotal	\$ 89,400	\$ 18,781.42	\$ 70,618.58	21%
Conferences & Events				
Venue (Rental & Set Up)	\$ 20,000	0.00	20,000.00	0%
Food & Beverage	257,000	22,000.00	235,000.00	9%
Audio Visual	30,000	0.00	30,000.00	0%
Transportation	1,000	0.00	1,000.00	0%
Sponsored Items	10,000	0.00	10,000.00	0%
Awards	2,500	0.00	2,500.00	0%
Entertainment	30,000	13,832.50	16,167.50	46%
Insurance (non-employee)	1,300	3,288.60	-1,988.60	253%
Online tool	5,000	0.00	5,000.00	0%
Postage and shipping	4,000	0.00	4,000.00	0%
Supplies	1,700	0.00	1,700.00	0%
Telephone	1,000	0.00	1,000.00	0%
Travel-staff	21,000	0.00	21,000.00	0%
Travel - non staff	1,000	0.00	1,000.00	0%
Program and marketing materials	22,000	364.50	21,635.50	2%
Credit card fees	8,000	0.00	8,000.00	0%
Photographer	3,000	0.00	3,000.00	0%
Equipment Rental	4,000	0.00	4,000.00	0%
Subtotal	\$ 422,500.00	39,485.60	383,014.40	9%

WateReuse Association 1st Quarter Budget-to-Actual (Februay 28,2019)

Marketing & Communications				
Design	\$ 11,700	370.00	11,330.00	3%
Printing & Copies	7,500	529.76	6,970.24	7%
Signs	-	0.00	0.00	#DIV/0!
Website	26,500	4,680.00	21,820.00	18%
Advertisements	2,500	475.00	2,025.00	19%
Video Production	7,500	0.00	7,500.00	0%
Sponsorship	16,000	10,000.00	6,000.00	63%
Promotional Material	5,000	0.00	5,000.00	0%
Subtotal	\$ 76,700.00	16,054.76	60,645.24	0%
Travel				
Staff	\$ 40,000.00	2,376.50	37,623.50	6%
Non-Staff Travel	5,000	0.00	5,000.00	0%
Subtotal	\$ 45,000.00	2,376.50	42,623.50	5%
Miscellaneous	35,000	0.00	35,000.00	0%
Total	\$ 2,248,041.00	611,847.89	1,636,193.11	27%
Net Income	\$ (136.00)	599,401.86		
Operating Budget	\$ 1,342,541.00	202,559.25	1,139,981.75	15%
Retained Earnings	\$ 761,638.00			
Operating Reserves (25% of 2019 operating budget)	\$ 335,635.25			
Operating Overage	\$ -			
Balance	\$ 335,635.25			
Contractual Obligation Reserves	\$ 356,197.00			
Industrial Conference Cancellation	\$ -			
Balance	\$ 356,197.00			
Undesignated Reserves	\$ 69,805.75			
Executive Search	\$ -			
Lobbying	\$ -			
Balance	\$ 69,805.75			
Plus: 2018 Surplus/Deficit (unaudited)	\$ 74,451.00			
Projected Retained Earnings 2018 (unaudited)	\$ 836,089.00			
Total undesignated reserves (2017 plus				
2018 reserves)	\$ 144,257			
Use undesignated reserves as follows:				
27% for Operating Contingency	\$ 40,000			

WaterReuse Association 1st Quarter Budget-to-Actual (February 28, 2019)

10% for Future Office Move	\$	14,000					
TAF	\$	90,000					
TOTAL	\$	144,000					



February 20, 2019

TO: Board of Directors
FROM: Patricia Sinicropi, Executive Director
SUBJECT: TAF Request: \$5,000 Sponsorship for Project WET Collaboration on *Kids In Discovery* Water Recycling Book

Project WET is a Montana-based non-profit focused on providing education and training to grade-school teachers on water-related topics, and a member of the WateReuse Association (background information at www.projectwet.org | www.discoverwater.org.) In 2018, WateReuse secured permission from Project WET to use the Water Star name and logo for the Recycled Water User's Network.

In January, on the recommendation of long-time WRA member Alan Rimer, Director Water Reuse at EnviroTechNovations in Chapel Hill and Vice-chair of the Project WET Foundation Board of Directors, Dennis Nelson, President and CEO of the Project WET Foundation approached WateReuse to explore collaborating on a publication for the *Kids In Discovery*™ (KIDs) activity booklet series on the topic of water reuse and recycling. Project WET is seeking partners to help fund the proposed *Discover Water Reuse and Recycling* KIDs activity booklet for children/youth in grades three to five and one lesson plan (instructional method) for parents and educators to use with the KIDs booklet.

Project WET will contribute \$5,000 towards the \$25,000 project cost and oversee project management and publication, and is seeking additional sponsorships through the WateReuse Association to support the project. Specifically, the funding would go toward hiring a consultant to create materials for the *Kids In Discovery* (KIDs) activity booklet and other related publication needs. As a sponsor, the WateReuse Association will be recognized in name, logo and mission and will be invited to serve on the project leadership team and contribute content to the project.

RECOMMENDATION FOR BOARD ACTION:

1. Approve the use of \$5,000 in Targeted Action Funds (TAF) to support publication of a *Kids In Discovery* (KIDs) series activity booklet on the topic of water reuse and recycling;
2. Approve staff approaching WateReuse State Sections and other potential water sector partners to secure additional project sponsorship.

Working with Project WET in this capacity will enable WateReuse to further its partnership efforts with a new organization; reinforce its branding as a resource for educational and technical materials on the topic of water reuse; and extend its reach into audiences (teachers and parents) who may not be familiar with our organization. Continued cooperation with Project WET will strengthen our relationship with Project WET and existing collaboration that has allowed us use of the Water Star name and logo for RWUN.

Staff lead: Carrie Capuco, Director of Strategic Initiatives and Program Operations.

Advocacy Report

Documents:

- Principles Related to alternative Sources of Water Supply and On-site Non-Potable Water Systems
- WRA's Comments on WRDA Guidance Development
- Stakeholder Letter to Congress on Infrastructure Package
- H.R. 7279 – 115th Congress
- Napoli Bill – 116th Congress
- DeFazio Bill – 116th Congress
- 2020 Water Sector Letter to Appropriations
- DRAFT Water Week Agreement

Board Action:

- Resolution: Adopt *Principles Related to Alternative Sources of Water Supply and On-site Non-Potable Water Systems*.



1199 North Fairfax St, Suite 900 • Alexandria, VA 22314

Principles Related to Alternative Sources of Water Supply and On-site Non-Potable Water Systems

The WateReuse Association (WRA) recognizes that a range of practices involving the use of alternative water sources can assist communities in addressing local water management challenges through integrated water management strategies. WRA also recognizes that these practices may have additional benefits beyond enhancing water supply and improving water quality, such as reducing impacts from flooding and/or peak wet weather events, and building resilient communities to address water-related challenges due to climate change. WRA's advocacy related to these practices will focus on identifying and promoting the benefits of alternative water sources, such as offsetting existing water supply needs, helping meet new water supply demand, addressing water quality issues, or providing open space or habitat.

Alternative sources of water supply support potable and non-potable applications and can include recycled wastewater effluent and may also include other sources, such as captured stormwater or rainwater harvesting, agricultural and industrial wastewater or runoff, and graywater or blackwater produced by buildings and commercial facilities. Some of these alternative water sources may be processed using on-site non-potable treatment systems serving one (or more) commercial or multi-residential buildings, while others may be used without further treatment, or used in combination with other sources such as recycled wastewater. As WRA members (and others in their communities) seek to develop projects that incorporate such alternative sources of water supply, the following principles are recommended as guidance:

1. Every community or region has unique water resource management challenges, and decisions related to adoption and/or implementation of projects that incorporate alternative water supply sources and/or practices should remain at the local level;
2. Use of alternative water sources and on-site non-potable water systems should complement existing centralized reuse systems and enhance the community's overall water management goals, and should also take into account State water rights laws and regulations that may apply, depending on the project type;
3. Sponsors of projects that incorporate alternative water sources or that involve on-site non-potable water systems should coordinate efforts with existing centralized wastewater, water recycling and drinking water systems to ensure that potential adverse impacts to these centralized systems are avoided and/or mitigated. WRA recognizes that potential adverse impacts to centralized systems may include reduced flows, declining revenues and/or increased concentrations of wastewater characteristics (such as TSS and BOD) and contaminants in effluent, among other issues; and,

4. Communities evaluating projects that integrate alternative water supply elements should carefully consider issues regarding a project sponsor's ability to sustainably and properly operate and maintain these systems in order to ensure that public health and the environment are protected.

As an advocacy organization focused on the broad spectrum of water recycling approaches, WRA will incorporate advocacy, where appropriate and as determined by our Policy Committee, which promotes the development of appropriate standards for the use of alternative water sources and on-site non-potable water systems in order to ensure the protection of public health and the environment, and to ensure regulations are consistent and integrated with regulation of centralized water recycling systems. Overall, WRA's advocacy in this area will be guided by a "fit-for-use" philosophy, such that regulations and appropriate levels of treatment account for specific characteristics of the alternative water source, and tailored to the intended uses for the alternative water supply. Within this advocacy framework, WRA will seek opportunities to express support for the use of alternative sources of water and deployment of on-site non-potable treatment systems through sharing of information and educational materials, technical assistance, research, and policy advocacy.

DRAFT



February 12, 2019

Ada Benavides
Senior Policy Advisor
Planning and Policy Division
Room 3F86
441 G Street NW
Washington, DC 20314-1000

Re: Development of Implementation Guidance – Section 1164 of America’s Water Infrastructure Act of 2018

On behalf of the WateReuse Association and the 510 utilities, businesses, agencies, and organizations that are our members, we are very pleased to be able to share our input and recommendations with the U.S. Army Corps of Engineers as it begins to develop implementation guidance for various provisions of Title I of the America’s Water Infrastructure Act (AWIA) of 2018. In particular, we are interested in providing our thoughts and recommendations on Section 1164, Local Government Water Management Plans.

Last year, the Association and its members worked closely with our Members of Congress to develop Section 1164 of AWIA. As you know, the language provides that with the agreement of the local sponsors for a Corps of Engineers’ Feasibility Study for a water resources development project, the Secretary may enter into a written agreement under the Corps’ authorities with a unit of local government in the watershed that has adopted a local or regional water management plan, to allow the unit of local government to participate in the Feasibility Study. This participation is to determine if there is an opportunity to include additional feasible elements in the project in order to help achieve the purposes identified in the local regional water management plan.

We believe that Section 1164 is the start of a very promising partnership with the Corps of Engineers, and we look forward to its implementation. As you move forward, we offer the following key recommendations for consideration:

Recommendation #1: The implementation guidance should include opportunities for efficiencies in the permitting process. Specifically, if a feasible project element, which meets the goals of the local water management plan, is included in the feasibility study, then the permitting for the project should cover that element as well.

Recommendation #2: The work that the local community has done to develop the feasible project element, including the study, plans, design, and specifications, assuming the work meets Corps’ criteria, should be included as part of the study, and credit should be given for such work by the Corps against the local cost share of the feature, regardless of when the work was done.

Recommendation #3: The implementation guidance should be clear that feasible project features can include a range of innovative elements, such as water reclamation and reuse features, groundwater recharge, stormwater capture, and use of other innovative water reuse features, that could be considered outside the Corps' typical mission area, but if feasible, could be included in the project's feasibility study. Further, any costs expended by the unit of local government for the study and development of the feature shall be credited against the local cost share for the local government.

In our recent meetings with Corps' Headquarters and the Assistant Secretary of the Army's office on this provision, we were pleased with the level of support offered by the Corps and ASA's office for coordinating with the Association and our members. Our members are very interested in working with the Corps' local sponsors and the Corps to look at opportunities to link additional feasible elements—such as water reuse or stormwater capture and reuse, along with water recycling and aquifer recharge—to flood damage reduction, ecosystem restoration, and other types of Corps projects across your mission areas.

As we work with the Corps to review ongoing feasibility studies to see what project opportunities are available, and as we share with the Corps our list of member agencies that have local government water management plans in place, we ask that you consider the benefits of efficiency in bringing our complementary project elements forward. The American people want more efficient, cost-effective government. We think, if implemented properly, this section can have that result by taking a more wholistic look at the needs of a community and shaping projects that provide a broader range of benefits, rather than a variety of separate, and possibly overlapping, projects in the same watershed.

Thank you for your consideration of our thoughts and recommendations. We look forward to working closely with you in bringing forward efficient, multiple-purpose projects to meet the changing water resources goals of our communities.

Sincerely,

A handwritten signature in black ink, appearing to read "Greg Fogel".

Greg Fogel
Policy Director
WateReuse Association

January 10, 2019

The Honorable Nancy Pelosi
Speaker of the House
US House of Representatives
Washington, DC

The Honorable Mitch McConnell
Senate Majority Leader
US Senate
Washington, DC

The Honorable Kevin McCarthy
Minority Leader
US House of Representatives
Washington, DC

The Honorable Charles E. Schumer
Minority Leader
US Senate
Washington, DC

RE: Water Infrastructure Investment Needs

Dear Congressional Leaders,

The undersigned organizations write to urge Congress to include funding and financing for drinking water, wastewater, water reuse and stormwater infrastructure in any infrastructure package considered during the 116th Congress. Given the well-documented needs of our nation's aging water infrastructure, an infrastructure package represents an excellent opportunity to provide necessary resources to meet long-term economic, public health and environmental goals.

The U.S. EPA estimates that America's water and wastewater infrastructure requires nearly \$750 billion worth of investment over the next 20 years just to maintain current levels of service, and independent estimates place this figure over \$1 trillion. Local ratepayers will shoulder much of this burden, but all levels of government must be part of the solution.

Aging infrastructure replacement needs account for much of the investment gap. In addition, federal regulatory requirements over the last three decades have steadily grown to account for a significant portion of the cost associated with investment needs. While federal contributions to transportation infrastructure have stayed constant at approximately half of total capital spending, federal investment in water infrastructure has declined from 63% to 9% since 1977.

America's future economic strength depends on investments made today in water infrastructure. These investments create jobs and support the economy. Every \$1 invested in drinking water and wastewater infrastructure increases long-term GDP by \$6.35, creates 1.6 new jobs, and provides \$23.00 in public health-related benefits. These new jobs in the water sector are also high-paying (~\$64,000/year), skilled, and largely recession proof since many are in municipal government. Studies also show that the US economy would stand to gain over \$200 billion in annual economic activity and 1.3 million jobs over a 10-year period by meeting its current water infrastructure needs. Without these investments, breakdowns in water supply, treatment and wastewater capacity are projected to cost manufacturers and other businesses over \$7.5 trillion in lost sales and \$4.1 trillion in lost GDP from 2011 to 2040.

In a recent survey of American's opinions on the value of investing in our water resources, 78% of respondents said it's "extremely or very important" that the President and Congress develop a plan to rebuild America's water infrastructure. The same survey found that 88% of respondents agreed that increased federal investment was needed to rebuild water infrastructure.

As Congress develops a comprehensive infrastructure proposal, we urge you to remember that water infrastructure is often co-located with transportation infrastructure, such as roadways and bridges. When roadways are dug up or bridges rebuilt, it would be less expensive to rehabilitate water lines at that point in time instead of digging them up again.

In addition, the cost of water service to low-income customers is an increasing concern and the U.S. federal contributions to water infrastructure finance help local utilities cushion the costs of water service to customers.

Our nation has faced many challenges over the last two centuries, but through collaboration and perseverance we have found solutions. Our organizations applaud Congress for its past efforts to take action to address the nation's infrastructure challenges. We strongly encourage you to include water infrastructure as a major component of the infrastructure package in 2019.

Sincerely,

Agribusiness & Water Council of Arizona
Alabama Water Environment Association
American Council of Engineering Companies
American Membrane Technology Association
American Public Works Association
American Rivers
American Society of Civil Engineers
American Sustainable Business Council
American Water Works Association
Arizona Water Association
Arkansas Water Environment Association
Association of California Water Agencies
Association of Clean Water Administrators
Associated General Contractors of America
Association of Metropolitan Water Agencies
Association of Regional Water Organizations
Association of State Drinking Water Administrators
California Association of Sanitation Agencies
California Water Environment Association
Central States Water Environment Association
Clean Water Action
Chesapeake Water Environment Association

Conservation Voters of Pennsylvania
Colorado Wastewater Utility Council
Connecticut Association of Water Pollution Control Associations
Connecticut Water Pollution Abatement Association
Council of Infrastructure Financing Authorities
Design-Build Institute of America
Endangered Habitats League
Florida Water Environment Association
Freshwater Future
Georgia Association of Water Professionals
Green Mountain Water Environment Association
Gulf Restoration Network
Hawaii Water Environment Association
Illinois Association of Wastewater Agencies
Illinois Council of Trout Unlimited
Illinois Water Environment Association
Indiana Water Environment Association
Iowa Water Environment Association
Kansas Water Environment Association
Kentucky-Tennessee Water Environment Association
Michigan Water Environment Association
Maine Water Environment Association
Mississippi Water Environment Association
Missouri Public Utility Alliance
Missouri Water Environment Association
Narragansett Water Pollution Control Association
National Association of Clean Water Agencies
National Association of Sewer Service Companies
National Association of Water Companies
National Consumer Law Center, on behalf of our low-income clients
National Latino Farmers & Ranchers Trade Association
Natural Resources Defense Council
National Rural Water Association
National Water Resources Association
Nebraska Water Environment Association
New England Water Environment Association
New York Water Environment Association
North Carolina AWWA-WEA
North Dakota Water Environment Association
Ohio Environmental Council
Ohio Water Environment Association
Oklahoma Municipal Utility Providers
Oklahoma Water Environment Association
Oregon Association of Clean Water Agencies
Pacific Northwest Clean Water Association
Passaic River Coalition

Pennsylvania Council of Churches
Pennsylvania Water Environment Association
Rural Coalition
Rural Community Assistance Partnership
Sierra Club
South Dakota Water Environment Association
Southeast Watershed Alliance of New Hampshire
Southern California Alliance of Publicly Owned Treatment Works
Southern Environmental Law Center
Texas Association of Clean Water Agencies
The Sustainable Business Network of Greater Philadelphia
Trout Unlimited
US Water Alliance
Vermont Rural Water Association
WE ACT for Environmental Justice
Water & Wastewater Equipment Manufacturers Association
Water Environment Association of South Carolina
Water Environment Association of Texas
Water Environment Federation
WateReuse Association
WESTCAS
West Coast Infrastructure Exchange
West Virginia Water Environment Association

CC: House Energy & Commerce Committee
House Transportation & Infrastructure Committee
House Ways & Means Committee
Senate Environment & Public Works Committee
Senate Finance Committee

One Hundred Fifteenth Congress of the United States of America

AT THE SECOND SESSION

*Begun and held at the City of Washington on Wednesday,
the third day of January, two thousand and eighteen*

An Act

To amend the Federal Water Pollution Control Act to provide for an integrated planning process, to promote green infrastructure, and for other purposes.

*Be it enacted by the Senate and House of Representatives of
the United States of America in Congress assembled,*

SECTION 1. SHORT TITLE.

This Act may be cited as the “Water Infrastructure Improvement Act”.

SEC. 2. DEFINITIONS.

In this Act:

(1) ADMINISTRATOR.—The term “Administrator” means the Administrator of the Environmental Protection Agency.

(2) MUNICIPALITY.—The term “municipality” has the meaning given that term in section 502 of the Federal Water Pollution Control Act (33 U.S.C. 1362).

SEC. 3. INTEGRATED PLANS.

(a) INTEGRATED PLANS.—Section 402 of the Federal Water Pollution Control Act (33 U.S.C. 1342) is amended by adding at the end the following:

“(s) INTEGRATED PLANS.—

“(1) DEFINITION OF INTEGRATED PLAN.—In this subsection, the term ‘integrated plan’ means a plan developed in accordance with the Integrated Municipal Stormwater and Wastewater Planning Approach Framework, issued by the Environmental Protection Agency and dated June 5, 2012.

“(2) IN GENERAL.—The Administrator (or a State, in the case of a permit program approved by the Administrator) shall inform municipalities of the opportunity to develop an integrated plan that may be incorporated into a permit under this section.

“(3) SCOPE.—

“(A) SCOPE OF PERMIT INCORPORATING INTEGRATED PLAN.—A permit issued under this section that incorporates an integrated plan may integrate all requirements under this Act addressed in the integrated plan, including requirements relating to—

“(i) a combined sewer overflow;

“(ii) a capacity, management, operation, and maintenance program for sanitary sewer collection systems;

“(iii) a municipal stormwater discharge;

“(iv) a municipal wastewater discharge; and

“(v) a water quality-based effluent limitation to implement an applicable wasteload allocation in a total maximum daily load.

“(B) INCLUSIONS IN INTEGRATED PLAN.—An integrated plan incorporated into a permit issued under this section may include the implementation of—

“(i) projects, including innovative projects, to reclaim, recycle, or reuse water; and

“(ii) green infrastructure.

“(4) COMPLIANCE SCHEDULES.—

“(A) IN GENERAL.—A permit issued under this section that incorporates an integrated plan may include a schedule of compliance, under which actions taken to meet any applicable water quality-based effluent limitation may be implemented over more than 1 permit term if the schedule of compliance—

“(i) is authorized by State water quality standards;

and

“(ii) meets the requirements of section 122.47 of title 40, Code of Federal Regulations (as in effect on the date of enactment of this subsection).

“(B) TIME FOR COMPLIANCE.—For purposes of subparagraph (A)(ii), the requirement of section 122.47 of title 40, Code of Federal Regulations, for compliance by an applicable statutory deadline under this Act does not prohibit implementation of an applicable water quality-based effluent limitation over more than 1 permit term.

“(C) REVIEW.—A schedule of compliance incorporated into a permit issued under this section may be reviewed at the time the permit is renewed to determine whether the schedule should be modified.

“(5) EXISTING AUTHORITIES RETAINED.—

“(A) APPLICABLE STANDARDS.—Nothing in this subsection modifies any obligation to comply with applicable technology and water quality-based effluent limitations under this Act.

“(B) FLEXIBILITY.—Nothing in this subsection reduces or eliminates any flexibility available under this Act, including the authority of a State to revise a water quality standard after a use attainability analysis under section 131.10(g) of title 40, Code of Federal Regulations (or a successor regulation), subject to the approval of the Administrator under section 303(c).

“(6) CLARIFICATION OF STATE AUTHORITY.—

“(A) IN GENERAL.—Nothing in section 301(b)(1)(C) precludes a State from authorizing in the water quality standards of the State the issuance of a schedule of compliance to meet water quality-based effluent limitations in permits that incorporate provisions of an integrated plan.

“(B) TRANSITION RULE.—In any case in which a discharge is subject to a judicial order or consent decree, as of the date of enactment of this subsection, resolving an enforcement action under this Act, any schedule of compliance issued pursuant to an authorization in a State water quality standard may not revise a schedule of compliance in that order or decree to be less stringent, unless

the order or decree is modified by agreement of the parties and the court.”.

(b) **IMPLEMENTATION OF INTEGRATED PLANS THROUGH ENFORCEMENT TOOLS.**—Section 309 of the Federal Water Pollution Control Act (33 U.S.C. 1319) is amended by adding at the end the following:

“(h) **IMPLEMENTATION OF INTEGRATED PLANS.**—

“(1) **IN GENERAL.**—In conjunction with an enforcement action under subsection (a) or (b) relating to municipal discharges, the Administrator shall inform a municipality of the opportunity to develop an integrated plan, as defined in section 402(s).

“(2) **MODIFICATION.**—Any municipality under an administrative order under subsection (a) or settlement agreement (including a judicial consent decree) under subsection (b) that has developed an integrated plan consistent with section 402(s) may request a modification of the administrative order or settlement agreement based on that integrated plan.”.

(c) **REPORT TO CONGRESS.**—Not later than 2 years after the date of enactment of this Act, the Administrator shall submit to the Committee on Environment and Public Works of the Senate and the Committee on Transportation and Infrastructure of the House of Representatives, and make publicly available, a report on each integrated plan developed and implemented through a permit, order, or judicial consent decree pursuant to the Federal Water Pollution Control Act since the date of publication of the “Integrated Municipal Stormwater and Wastewater Planning Approach Framework” issued by the Environmental Protection Agency and dated June 5, 2012, including a description of the control measures, levels of control, estimated costs, and compliance schedules for the requirements implemented through such an integrated plan.

SEC. 4. MUNICIPAL OMBUDSMAN.

(a) **ESTABLISHMENT.**—There is established within the Office of the Administrator an Office of the Municipal Ombudsman, to be headed by a Municipal Ombudsman.

(b) **GENERAL DUTIES.**—The duties of the Municipal Ombudsman shall include the provision of—

(1) technical assistance to municipalities seeking to comply with the Federal Water Pollution Control Act; and

(2) information to the Administrator to help the Administrator ensure that agency policies are implemented by all offices of the Environmental Protection Agency, including regional offices.

(c) **ACTIONS REQUIRED.**—The Municipal Ombudsman shall work with appropriate offices at the headquarters and regional offices of the Environmental Protection Agency to ensure that a municipality seeking assistance is provided information regarding—

(1) available Federal financial assistance for which the municipality is eligible;

(2) flexibility available under the Federal Water Pollution Control Act; and

(3) the opportunity to develop an integrated plan under section 402(s) of the Federal Water Pollution Control Act.

(d) **INFORMATION SHARING.**—The Municipal Ombudsman shall publish on the website of the Environmental Protection Agency—

(1) general information relating to—

- (A) the technical assistance referred to in subsection (b)(1);
- (B) the financial assistance referred to in subsection (c)(1);
- (C) the flexibility referred to in subsection (c)(2); and
- (D) any resources developed by the Administrator related to integrated plans under section 402(s) of the Federal Water Pollution Control Act; and
- (2) a copy of each permit, order, or judicial consent decree that implements or incorporates such an integrated plan.

SEC. 5. GREEN INFRASTRUCTURE.

(a) **DEFINITION.**—Section 502 of the Federal Water Pollution Control Act (33 U.S.C. 1362) is amended by adding at the end the following:

“(27) **GREEN INFRASTRUCTURE.**—The term ‘green infrastructure’ means the range of measures that use plant or soil systems, permeable pavement or other permeable surfaces or substrates, stormwater harvest and reuse, or landscaping to store, infiltrate, or evapotranspire stormwater and reduce flows to sewer systems or to surface waters.”.

(b) **GREEN INFRASTRUCTURE PROMOTION.**—Title V of the Federal Water Pollution Control Act (33 U.S.C. 1361 et seq.) is amended—

- (1) by redesignating section 519 as section 520; and
- (2) by inserting after section 518 the following:

“SEC. 519. GREEN INFRASTRUCTURE PROMOTION.

“(a) **IN GENERAL.**—The Administrator shall promote the use of green infrastructure in, and coordinate the integration of green infrastructure into, permitting and enforcement under this Act, planning efforts, research, technical assistance, and funding guidance of the Environmental Protection Agency.

“(b) **COORDINATION OF EFFORTS.**—The Administrator shall ensure that the Office of Water coordinates efforts to increase the use of green infrastructure with—

- “(1) other Federal departments and agencies;
- “(2) State, tribal, and local governments; and
- “(3) the private sector.

“(c) **REGIONAL GREEN INFRASTRUCTURE PROMOTION.**—The Administrator shall direct each regional office of the Environmental Protection Agency, as appropriate based on local factors, and consistent with the requirements of this Act, to promote and integrate the use of green infrastructure within the region, including through—

- “(1) outreach and training regarding green infrastructure implementation for State, tribal, and local governments, tribal communities, and the private sector; and
- “(2) the incorporation of green infrastructure into permitting and other regulatory programs, codes, and ordinance development, including the requirements under consent decrees and settlement agreements in enforcement actions.

“(d) **GREEN INFRASTRUCTURE INFORMATION-SHARING.**—The Administrator shall promote green infrastructure information-sharing, including through an internet website, to share information with, and provide technical assistance to, State, tribal, and local governments, tribal communities, the private sector, and the public, regarding green infrastructure approaches for—

- “(1) reducing water pollution;

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“(2) protecting water resources;
“(3) complying with regulatory requirements; and
“(4) achieving other environmental, public health, and
community goals.”.

Speaker of the House of Representatives.

*Vice President of the United States and
President of the Senate.*

.....
(Original Signature of Member)

116TH CONGRESS
1ST SESSION

H. R. _____

To establish a grant program for the funding of water recycling and reuse projects, and for other purposes.

IN THE HOUSE OF REPRESENTATIVES

Mrs. NAPOLITANO introduced the following bill; which was referred to the Committee on _____

A BILL

To establish a grant program for the funding of water recycling and reuse projects, and for other purposes.

1 *Be it enacted by the Senate and House of Representa-*
2 *tives of the United States of America in Congress assembled,*

3 **SECTION 1. SHORT TITLE.**

4 This Act may be cited as the “Water Recycling In-
5 vestment and Improvement Act”.

1 **SEC. 2. COMPETITIVE GRANT PROGRAM FOR THE FUNDING**
2 **OF WATER RECYCLING AND REUSE**
3 **PROJECTS.**

4 (a) COMPETITIVE GRANT PROGRAM FOR THE FUND-
5 ING OF WATER RECYCLING AND REUSE PROJECTS.—Sec-
6 tion 1602(f) of the Reclamation Wastewater and Ground-
7 water Study and Facilities Act (title XVI of Public Law
8 102–575; 43 U.S.C. 390h et. seq.) is amended by striking
9 paragraphs (2) and (3) and inserting the following:

10 “(2) PRIORITY.—When funding projects under
11 paragraph (1), the Secretary shall give funding pri-
12 ority to projects that meet one or more of the fol-
13 lowing criteria:

14 “(A) Projects that are likely to provide a
15 more reliable water supply for States and local
16 governments.

17 “(B) Projects that are likely to increase
18 the water management flexibility and reduce
19 impacts on environmental resources from
20 projects operated by Federal and State agen-
21 cies.

22 “(C) Projects that are regional in nature.

23 “(D) Projects with multiple stakeholders.

24 “(E) Projects that provide multiple bene-
25 fits, including water supply reliability, eco-sys-

1 tem benefits, groundwater management and en-
2 hancements, and water quality improvements.”.

3 (b) AUTHORIZATION OF APPROPRIATIONS.—Section
4 1602(g) of the Reclamation Wastewater and Groundwater
5 Study and Facilities Act (title XVI of Public Law 102–
6 575; 43 U.S.C. 390h et. seq.) is amended—

7 (1) by striking “\$50,000,000” and inserting
8 “\$500,000,000”; and

9 (2) by striking “if enacted appropriations legis-
10 lation designates funding to them by name,”.

11 (c) DURATION.—Section 4013 of the WIIN Act (43
12 U.S.C. 390b(2)) is amended—

13 (1) in paragraph (1), by striking “and”;

14 (2) in paragraph (2), by striking the period and
15 inserting “; and”; and

16 (3) by adding at the end the following:

17 “(3) section 4009(c).”.

18 (d) LIMITATION ON FUNDING.—Section 1631(d) of
19 the Reclamation Wastewater and Groundwater Study and
20 Facilities Act (43 U.S.C. 390h–13(d)) is amended by
21 striking “\$20,000,000 (October 1996 prices)” and insert-
22 ing “\$30,00,000 (January 2019 prices)”.

[DISCUSSION DRAFT]

116TH CONGRESS
1ST SESSION

H. R. _____

To amend the Federal Water Pollution Control Act to reauthorize certain water pollution control programs, and for other purposes.

IN THE HOUSE OF REPRESENTATIVES

Mr. DEFazio introduced the following bill; which was referred to the Committee on _____

A BILL

To amend the Federal Water Pollution Control Act to reauthorize certain water pollution control programs, and for other purposes.

1 *Be it enacted by the Senate and House of Representa-*
2 *tives of the United States of America in Congress assembled,*

3 **SECTION 1. SHORT TITLE.**

4 This Act may be cited as the “Water Quality Protec-
5 tion and Job Creation Act of 2019”.

1 **SEC. 2. STATE MANAGEMENT ASSISTANCE.**

2 (a) AUTHORIZATION OF APPROPRIATIONS.—Section
3 106(a) of the Federal Water Pollution Control Act (33
4 U.S.C. 1256(a)) is amended—

5 (1) by striking “and” at the end of paragraph
6 (1);

7 (2) by striking the semicolon at the end of
8 paragraph (2) and inserting “; and”; and

9 (3) by inserting after paragraph (2) the fol-
10 lowing:

11 “(3) such sums as may be necessary for each
12 of fiscal years 1991 through 2019, and
13 \$300,000,000 for each of fiscal years 2020 through
14 2024;”.

15 (b) TECHNICAL AMENDMENT.—Section 106(e) of the
16 Federal Water Pollution Control Act (33 U.S.C. 1256(e))
17 is amended by striking “Beginning in fiscal year 1974
18 the” and inserting “The”.

19 **SEC. 3. WATERSHED PILOT PROJECTS.**

20 Section 122(c) of the Federal Water Pollution Con-
21 trol Act (33 U.S.C. 1274(c)) is amended to read as fol-
22 lows:

23 “(c) AUTHORIZATION OF APPROPRIATIONS.—There
24 is authorized to be appropriated to carry out this section
25 \$120,000,000 for each of fiscal years 2020 through
26 2024.”.

1 **SEC. 4. PILOT PROGRAM FOR ALTERNATIVE WATER**
2 **SOURCE PROJECTS.**

3 (a) SELECTION OF PROJECTS.—Section 220(d) of
4 the Federal Water Pollution Control Act (33 U.S.C.
5 1300(d)) is amended by striking paragraph (2) and redesh-
6 ignating paragraph (3) as paragraph (2).

7 (b) COMMITTEE RESOLUTION PROCEDURE.—Section
8 220 of the Federal Water Pollution Control Act (33
9 U.S.C. 1300) is amended by striking subsection (e) and
10 redesignating subsections (f) through (j) as subsections (e)
11 through (i), respectively.

12 (c) DEFINITIONS.—Section 220(h)(1) of the Federal
13 Water Pollution Control Act (as redesignated by sub-
14 section (b) of this section) is amended by striking “or
15 wastewater or by treating wastewater” and inserting “,
16 wastewater, or stormwater or by treating wastewater or
17 stormwater”.

18 (d) AUTHORIZATION OF APPROPRIATIONS.—Section
19 220(i) of the Federal Water Pollution Control Act (as re-
20 designated by subsection (b) of this section) is amended
21 by striking “a total of \$75,000,000 for fiscal years 2002
22 through 2004” and inserting “\$75,000,000 for each of fis-
23 cal years 2020 through 2024”.

1 **SEC. 5. SEWER OVERFLOW AND STORMWATER REUSE MU-**
2 **NICIPAL GRANTS.**

3 Section 221(f)(1) of the Federal Water Pollution
4 Control Act (33 U.S.C. 1301(f)(1)) is amended by striking
5 “2020” and inserting “2024”.

6 **SEC. 6. STATE WATER POLLUTION CONTROL REVOLVING**
7 **FUNDS.**

8 Title VI of the Federal Water Pollution Control Act
9 (33 U.S.C. 1381 et seq.) is amended—

10 (1) by striking section 607;

11 (2) by redesignating section 608 as section 607;

12 and

13 (3) by adding at the end the following:

14 **“SEC. 608. AUTHORIZATION OF APPROPRIATIONS.**

15 “There is authorized to be appropriated to carry out
16 this title \$4,000,000,000 for each of fiscal years 2020
17 through 2024.”.



February 25, 2019

The Honorable Lisa Murkowski
Chairwoman
Senate Appropriations Subcommittee on
Interior, Environment and Related Agencies
S-128, U.S. Capitol Building
Washington, D.C. 20510

The Honorable Tom Udall
Ranking Member
Senate Appropriations Subcommittee on
Interior, Environment and Related Agencies
S-128, U.S. Capitol Building
Washington, D.C. 20510

The Honorable Betty McCollum
Chairwoman
House Appropriations Subcommittee on
Interior, Environment and Related Agencies
2007 Rayburn House Office Building
Washington, D.C. 20515

The Honorable David Joyce
Ranking Member
House Appropriations Subcommittee on
Interior, Environment and Related Agencies
2007 Rayburn House Office Building
Washington, D.C. 20515

RE: FY 2019 Funding for National Priorities Water Research

Dear Chairwoman Murkowski, Chairwoman McCollum, Senator Udall and Congressman Joyce:

The water sector in the United States is vital for supporting healthy families and thriving communities. Today, the water sector is facing unprecedented challenges, including extreme drought, catastrophic flooding, failing infrastructure, emerging contaminants, and dramatic changes in population. Water research will play a critical role in developing cost-effective solutions to these challenges that ensure thriving, resilient communities, create jobs, and support healthy families.

The need is great. While a recent survey estimated approximately \$300 million in unfunded water research projects, this represents only a small fraction of the entire water sector's research, development and demonstration needs. In the past two years, Congress has appropriated between \$600 - \$700 million for EPA research, but less than 15% of EPA's Science and Technology Account funding is dedicated to water-related research. Less than 1% of these funds supports applied research for water utilities.

In 2019 Congress took an important step forward by appropriating \$5 million to support the EPA's National Priorities Water Research program. This is the only source of federal funds that supports collaborative,

extramural, cost-shared partnerships with non-profit, water-sector research institutions that address the water sector's research needs. In addition, Congress authorized a \$10 million federal investment in the development, deployment and demonstration of water technologies through the Innovative Water Technologies grant program through the America's Water Infrastructure Act.

Today, we urge Congress to provide additional funding to support these two programs in fiscal year 2020. Specifically, we ask:

- To increase funding for the National Priorities Water Research grant program to \$20 million to reflect urgent research needs of the water sector.
- To fully fund the Innovative Water Technologies grant program at \$10 million, as authorized, for fiscal year 2020.

Robust funding for these competitive grant programs will support transformative research approaches and technology deployment that will enable the water sector to respond to current and future challenges and protect American families.

The Committee's continued support of the National Priorities Water Research Grant program has provided direct benefit to water sector utilities through increased knowledge, tools and models that can improve public health outcomes and lower costs for municipalities. The Innovative Water Technology grant program will add to this by helping the sector to develop, deploy and demonstrate those transformative technologies to inform smart water infrastructure investment as utilities strive to provide safe and reliable water, wastewater and stormwater systems. Extramural research focuses on the most pressing national needs for a sector that is going through marked transformation.

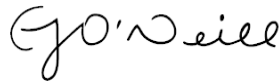
Congress does not need to do this alone. Our sector is taking the lead by directly funding research and development through its non-profit research foundation, supporting new technology acceleration platforms such as the Leaders Innovation Forum for Technology (LIFT) and Utility of the Future, and by pursuing new funding mechanisms like green bonds or public-private partnerships. Notwithstanding these efforts, significant needs continue to go unmet.

We ask Congress, through increased research funding and programmatic support, to bolster our efforts to develop innovative technologies and transformative solutions to our national water challenges. We urge you to continue to support and grow the National Priorities Water Research grant program and to fully fund the Innovative Water Technologies grant program. Funding for these two grant programs is vital to our efforts. Thank you for your consideration.

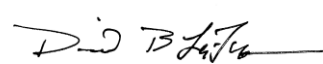
Sincerely,



Peter Grevatt, Ph.D.
Chief Executive Officer
The Water Research Foundation



Eileen J. O'Neill, Ph.D.
Executive Director
Water Environment Federation



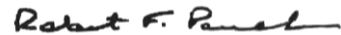
David LaFrance
Chief Executive Officer
American Water Works Association



Adam Krantz
Chief Executive Officer
National Association of Clean
Water Agencies



Diane VanDe Hei
Chief Executive Officer
Association of Metropolitan Water
Agencies



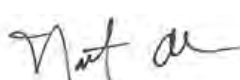
Robert F. Powelson
President and Chief Executive Officer
National Association of Water
Companies



Radhika Fox
Chief Executive Officer
US Water Alliance



Patricia Sinicropi
Executive Director
WaterReuse



Nathan Ohle
Executive Director
Rural Community Assistance
Partnership, Inc.



Thomas W. Smith III, ENV SP, CAE,
F.ASCE
Executive Director
American Society of Civil
Engineers

Letter of Agreement

Association of Metropolitan Water Agencies (AMWA)
American Water Works Association (AWWA)
National Association of Clean Water Agencies (NACWA)
US Water Alliance (USWA)
WaterReuse Association (WaterReuse)
Water Environment Federation (WEF)
Water Research Foundation (WRF)
Water & Wastewater Equipment Manufacturers Association (WWEMA)

As water sector partners we understand and acknowledge the real value of collaboration — especially as it relates to our shared representation of our members. In support of such efforts, the undersigned organizations endorse the following future annual dates of Water Week in Washington DC. With this endorsement we will endeavor to plan and implement both collaborative and individual organization advocacy and public policy awareness initiatives to occur during Water Week.

Water Week 2020: April 26 – May 2, 2020
Water Week 2021: April 25 – May 1, 2021
Water Week 2022: April 24 – April 30, 2022

Diane VanDe Hei, Chief Executive Officer, AMWA

Date

David LaFrance, Chief Executive Officer, AWWA

Date

Adam Krantz, Chief Executive Officer, NACWA

Date

Radhika Fox, Chief Executive Officer, USWA

Date

Patricia Sinicropi, Executive Director, WaterReuse

Date

Eileen O'Neill, Executive Director, WEF

Date

Rob Renner, Chief Executive Officer, WRF

Date

Vanessa Leiby, Executive Director, WWEMA

Date

National Blue Ribbon Commission on On-site Water Recycling

Documents:

- Memo to Board regarding National Blue Ribbon Commission on On-site Water Recycling

Board Action:

- Resolution: Conditional approval on support for National Blue Ribbon Commission pending review and approval by US Water Alliance



February 21, 2019

TO: Board of Directors

FROM: Patricia Sinicropi, Executive Director

SUBJECT: National Blue Ribbon Commission for Onsite Non-Potable Water Systems
Management and Administrative Support

The National Blue Ribbon Commission for Onsite Non-Potable Water Systems advances best management practices to support the use of onsite non-potable water systems for individual buildings or at the local scale. Founded and chaired by the San Francisco Public Utilities Commission, a WateReuse Association member, the National Blue Ribbon Commission (hereafter referred to as NBRC) is currently supported by a partnership between the US Water Alliance and the newly merged Water Research Foundation. Attached is background on activities of the NBRC and its impact on policy to date.

On January 14, a call was held to discuss transitioning the administration of the NBRC from the U.S. Water Alliance to the WateReuse Association. Participants included chief executives and staff from WRA, WRF, and the U.S. Water Alliance.

Specifically, the WateReuse Association proposes to:

1. Provide financial management services for NBRC activities;
2. Provide event planning services for the second working session of the Commission in 2019, and two sessions annually in subsequent years;
3. In 2019, financial support for one annual working session of the Commission up to \$10,000 (estimated indirect costs for supporting this project for the remainder of 2019 fiscal year are approximately \$10,000 or approximately 3% of staff time and overhead);
4. Disseminate information about the Commission's work to the broader water reuse community;
5. By the end of 2019, host and manage NBRC website;
6. Other support as determined practicable by NBRC and WateReuse Association.

A transition planning call was held on February 6. Participants included staff of WRA, WRF, US. Water Alliance, and San Francisco PUC. Next steps identified included:

- Development of a transition plan (WRA with comment from group)
- Inquiry and resolution of any trademark/permissions needed for continued use the NBRC mark and logo (US Water Alliance)
- Development of a joint transition statement (WRF and US Water Alliance)

The timing of this transition complements the release of our *Statement of Principles related to Alternative Sources of Water Supply and On-site Non-Potable Water System*, outlining a set of principles communities might consider to help optimize integration of these systems with existing centralized water and wastewater treatment utilities. All of the organizations currently involved, anticipate remaining involved with the NBRC. This action will only shift management and administrative support to the WaterReuse Association, and bring WRA into the current partnership.

RECOMMENDATION FOR BOARD ACTION:

During the 1st Quarter Board meeting, the Board is requested to take the following action with respect to the National Blue Ribbon Commission for On-site Non-potable Water Systems:

1. Approve WaterReuse Association's assumption of administration of the NBRC
2. Approve the use of the designated funds to support the NBRC



Research and Policy Impact Highlights from 2016-2018

In 2016, the US Water Alliance and the San Francisco Public Utilities Commission partnered to convene the National Blue Ribbon Commission for Onsite Non-potable Water Systems (the National Blue Ribbon Commission). The National Blue Ribbon Commission represents 11 states and the District of Columbia, and is a coalition of public health agencies and water/wastewater utilities advancing the safe, practical, and sustainable implementation of ONWS. The National Blue Ribbon Commission is focused on establishing model policy frameworks and research to support local implementation of onsite water reuse.

The National Blue Ribbon Commission has made significant research contributions and advanced policies and regulations for onsite water reuse. With two years of funding from WRF and WE&RF, the Commissioners completed the following research:

- Participated in the development of the seminal report [*Risk-based Framework for the Development of Public Health Guidance for Decentralized Non-potable Water Systems*](#), and subsequently developed multiple guidance documents to help regulators and utilities develop and implement regulations for onsite non-potable water systems.
- Developed [*A Guidebook for Developing and Implementing Regulations for Onsite Non-potable Water Systems*](#) to help states and local jurisdictions implement oversight programs for onsite water systems.
- Developed a research agenda to identify research needs to advance the field of onsite reuse and identify future project opportunities for the Commission.
- Developed a report [*Making the Utility Case for Onsite Non-potable Water Systems*](#) to help utilities and other stakeholder understand the benefits and drivers behind onsite reuse, how other utilities have addressed potential challenges, and best practices for the ongoing operation of these systems.
- Currently developing a design and permitting training for onsite non-potable water systems to identify the skills and knowledge required to design and permit treatment systems that meet the risk-based water quality standards (to be completed in 2019).

As a result of this research, there has been a shift in the perspective of many participating public health regulators who now have the appropriate framework and tools to develop regulations. California, Colorado, Minnesota, Oregon, Washington and Hawaii are advancing

regulations or policies supporting onsite reuse, while others including Texas and Alaska are considering similar steps forward.

- **San Francisco:** Following the publication of the *Risk-Based Framework for the Development of Public Health Guidance for Decentralized Non-potable Water Systems*, San Francisco updated its [Non-potable Water Program standards](#) to align with the risk-based water quality standards recommended from the report.
- **California:** In September 2018, California signed into law [Senate Bill 966](#), which directs the State Water Resources Control Board to establish risk-based water quality standards for onsite non-potable water systems. The San Francisco Public Utilities Commission collaborated with Senator Scott Wiener to develop the legislation. The work that's been accomplished to date by the National Blue Ribbon Commission will support the state's development of the risk-based water quality standards.
- **Minnesota:** Minnesota Department of Public Health has moved forward with guidance for onsite non-potable water systems. A report was published in March 2018 [Advancing Safe and Sustainable Water Reuse in Minnesota](#). Recommendations from Minnesota's report include adopting the risk-based water quality approach.
- **Colorado:** In August 2018, Colorado Department of Public Health and Environment updated [Regulation #84](#), which regulates reclaimed water use, to allow localized non-potable water systems to treat onsite wastewater for toilet flushing and irrigation. Colorado adopted a risk-based water quality approach for localized water reuse systems.
- **Washington:** Washington State is moving forward with introducing legislation, based on California's SB 966. The proposed legislation directs the state to develop risk-based water quality standards for onsite non-potable water systems.
- **Oregon:** Oregon is moving forward with introducing legislation, based on California's SB 966. The proposed legislation directs the state to develop risk-based water quality standards for onsite non-potable water systems.
- **Hawaii:** Hawaii is moving forward with introducing legislation directing the state to develop rules for onsite non-potable water systems based on the research completed to date by the National Blue Ribbon Commission.
- **Texas and Alaska:** These states have expressed conceptual interest in adopting standards for onsite non-potable systems that align with the risk-based public health guidance.

For more information, visit www.sfwater.org/iuws

Section Reports

Documents:

- State Section Report – Arizona
- State Section Report – California
- State Section Report – Colorado
- State Section Report – Florida
- State Section Report – Nevada
- State Section Report – Pacific Northwest
- State Section Report – Texas



2019: 1st Quarter

Organizational Updates

- Meetings: Last Section meeting was on October 26, 2018 (11:00 am) at the offices of Stantec in Phoenix, Arizona. A webinar was held prior to the meeting. The topic was Desalination efforts by the Desal committee of Gov. Ducey's Water Augmentation Council. Bob Lotts of APS presented.
- The next meeting is scheduled for March 15, 2019 at Marana Water. Strategic planning retreat for board members to be held immediately after at Biosphere II.

Legislative and Regulatory Reform

Legislative Session: The 2019 session opened up with big water issues. Arizona had a deadline to have a state plan for the Drought Contingency Plan for the Colorado River by January 31st. The deadline was set by the Bureau of Reclamation. Efforts throughout the state to reach an agreement was successful and Governor Ducey signed the package on January 31st in time for the deadline. However, not all the parties reached the deadline in time.

Big effluent changes were part of the package.

- Removal of the sunset (year 2025) on the accrual of aquifer Long Term Storage Credits from effluent.
- Increasing the accrual of Long Term Storage credits generated from a managed effluent recharge facility from 50% to 95%.
- Allowing Long Term Storage Credits generated from a managed effluent recharge project to be eligible for Designation of Assured Water Supply commitments.

Regulatory Rulemaking:

- **Potable:** No real advancement on the Reuse Rules that are to be amended to remove the prohibition on direct potable reuse of recycled water. Watereuse AZ and ADEQ have been working collaboratively on advanced guidelines for rules pertaining to DPR. Original goal of ADEQ was for the new rules to be ready for public comment and adoption later in 2018. No update on timeline.
- **ADEQ update:** ADEQ is currently recruiting for a Recycled Water Manager. This position is open with the retirement of Chuck Graf earlier this year. Chuck has been a strong supporter of reclaimed water use and has been the state manager over reclaimed water

related items. He has officially retired from ADEQ in March 2018. No update on the success of the recruiting effort.

Education and Outreach

- Conferences: The AZ Water Association Conference will be April 16-18 in Phoenix.
- The chosen date for the 2019 Arizona Water Reuse Symposium is July 28-30, 2019. This would be immediately following the meeting of AZ Water Board on July 26-27, 2019.

Special Projects

- WateReuse AZ and the AZ Water Association have amended the MOU between the two organizations. The updated MOU declares that WateReuse AZ is the defacto organization for Water Reuse and Desalination activities in Arizona. AZ Water will direct interested parties to WateReuse AZ for information on reuse activities and information. Both organizations will continue to support each other and conduct the annual Arizona Reuse Conference.

Other News

Requests / Suggestions for Discussion



2019: 1st Quarter

Organizational Updates

- WRCA Board of Trustees met on January 25 (Next Meeting March 17).
- WRCA Leg-Reg met on February 1 (Next meeting March 5).
- Communications Collaborative Group met January 23 (Next meeting March 18)
- Nominating Committee recommending a slate of new officers and two new board members. Membership will vote at the annual conference in Garden Grove, March 18.

Legislative and Regulatory Reform

Legislative Session:

- **AB 292 (Quirk):** WRCA Sponsored bill to remove the references to “indirect” and “direct” associated with potable reuse types. Also making minor changes to the definition of “treated drinking water augmentation.”
- **(No bill # yet) Title 22 Update:** (Asm Laura Friedman will carry the bill) WRCA sponsored bill that requires the Water Board to update the non-potable reuse regulations for California. These have not been updated in 19 years. Many updates are needed to promote dual plumbed buildings, such as allowing for a change over device (swivel ell).
- **Budget:** There are no funds in the Governor’s Budget to begin the work on the Raw Water Augmentation regulations. WRCA and CA Coastkeepers have requested a meeting with the new Water Board chair to understand the plan for implementation and how it will be funded. Possibly include funding in the May Revise of the budget. There is funding in the Governor’s budget for the on-site reuse regulation development.
- **SB 332 (Hertzberg-Wiener) Wastewater Discharge Reductions Oceans and Bays:** creates an agency by agency mandate to reduce wastewater discharges to the ocean and bays. 50% by 2030 and 95% reduction by 2040. The baseline for reduction would be set by averaging an agency’s discharges between 2010 and 2020. Affiliated water districts (those in the service areas of the NPDES holder) would have to develop a plan (including financing) with the NPDES holder to comply with this mandate. The plan would be updated every 5 years. There would be a \$10K fine for both the NPDES holder and the affiliated water district for failure to comply with the mandate. WRCA Leg-Reg Committee and Board will discuss this bill at their next meeting.

Regulatory

- **Bioassay Implementation Advisory Group:** This group is being administered by NWRI and funded by WRCA (\$30K to date). The initial purpose of the group is to develop an SOP for the two new bioassays that were included in the Recycled Water Policy. Monitoring for these two bioassays was delayed by one year and the regulatory consequences was delayed until 2023. WRCA worked hard to ensure that the bioassay group was formed and the Water Board enacted a phased approach to bioassay testing. The first meeting was held January 10 and approximately 75 people attended. The next meeting will be in the spring of 2019.

Education and Outreach

- **Annual Conference:** WRCA will host its annual conference, March 17-19 in Garden Grove. The conference committee and the OC Chapter have been working hard to host this event since June 2018. 500+ people are expected to attend and there are more exhibitors and sponsors than in previous years. The Secretary of Resources, Wade Crowfoot and Peter Glick, the Director of the Pacific Institute will provide keynote addresses. We will also be recognizing the founding members of the WaterReuse Association at the Gordon Cologne Breakfast.



2019: 1st Quarter

Organizational Updates

- Leadership:
 - Past president – Allegra da Silva/Brown and Caldwell
 - President – Jason Assouline/Carollo
 - Secretary – Austa Parker/Denver Water
 - Treasurer – Kirk Watson/Aurora Water
 - National Representative – Donene Dillow/Colorado Springs Utilities
- Meetings:
 - January 10th
 - Upcoming – March 7, May 2, July 11, September 5, November, 7
- Governance Issues:
 - Draft revisions to bylaws will be proposed at the March meeting to document the leadership progression of secretary -> treasurer -> president -> past-president
- Member Recruitment:
 - Coordinated with WRA to help with membership renewal.

Legislative and Regulatory Reform

Legislative Session: January 4, 2019 – May 3, 2019

Regulatory Rulemaking:

- **General:**
- **Potable:**
- **CDPHE update:** CDPHE WQCD has begun the process of inclusion of the new uses of non-commercial and commercial edible crop irrigation and hemp irrigation. These uses were approved under House Bill 18-1093 (edible crop irrigation) and Senate Bill 18-038 (Hemp irrigation). This process is designed as a stakeholder process and meetings have started and are scheduled through April 2019. Full details can be found at <https://www.colorado.gov/pacific/cdphe/wq-reclaimed-water-stakeholders> .
- **Non-AG Irrigation**
- **Industrial**
- **Other**

Education and Outreach

- Conferences: [Dates, attendees, location, highlights]
 - WRCO is planning on submitting abstracts for a 90 minute session at the 2020 WRA Symposium in Denver.
 - WRCO is discussing local events for the 2020 symposium.
 - WRCO is planning an event for 2019 ACE (in Denver).
- Events: [Dates, attendees, location, highlights]
- Webcasts: [Dates, attendees, location, highlights]
 - Water Education Colorado webinar on Feb. 5th with WRCO member speakers Laura Belanger (Western Resources Advocates), Damian Higham (Denver Water), and Mark Marlowe (Castle Rock). <https://www.watereducationcolorado.org/fork-not-taken/>
 - WRA webcast on Feb. 14th Community Engagement for Potable Reuse Success included Austa Parker (Denver Water).
- Press: [Dates, attendees, location, highlights]
 - None
- Social Media:
 - Updates to website have been made.
- Scholarships:
 - 3 scholarships will be offered in 2019. The scholarship applications will be changed from a mail-in to an online process.
- Partnerships:
 - WRCO is considering ways to collaborate with neighboring states (i.e., AZ, NM, and UT).

Special Projects

DPR Regulatory & Outreach Project – Phase 1 & Phase 2 update

Phase 1 is complete and documents posted to WRCO website.

Phase 2 third stakeholder meeting scheduled for March 2019.

Other News

Requests / Suggestions for Discussion



2019: 1st Quarter

Organizational Updates

Lynn Spivey, *President* - City of Plant City
Robert Beltran, *President-Elect* – Hydro Solutions Consulting
Mark Elsner, *Secretary/Treasurer* - South Florida Water Management District
Randy Brown, *Past President* - City of Pompano Beach Utilities

Board of Trustees

David Ammerman - Carollo Engineers
Brad Baird - City of Tampa
Jeremy Johnson – Clay County Utility Authority
Michael Sweeney – Toho Water Authority
Chuck Drake - Tetra Tech
Mark Farrell - WRA Consulting
Jose Cueto - Miami-Dade Water and Sewer Department
Jeff Goodwin - Manatee County
Amanda Schwerman - Black and Veatch
Paul Steinbrecher - JEA
Bart Weiss - Hillsborough County
Tamara Richardson – Polk County
Jo Ann Macrina – City of Daytona Beach
Amanda Schwerman – Black and Vetch

Advisors to the Board

Christine Owen – Hazen & Sawyer
Chris Hill – Mead & Hunt
Amy Tracy – Hydro Solutions Consulting

Committees

Industrial and Commercial: **Bart Weiss, Hillsborough County**
Legislative and Regulatory: **Robert Beltran, Hydro Solutions Consulting**
Membership: **Amanda Schwerman, Black and Veatch**
Potable Reuse: **Chuck Drake, Tetra Tech**
Public Relations and Outreach: **Amy Tracy, Hydro Solutions Consulting**

- Meetings:
 - February 14 – WRFL Teleconference
 - 11 meetings were held in 2018 – 2 in person and 9 teleconference

- PRC Meetings
 - PRC Meeting held 1/25
 - PRC Meeting held 2/15
 - PRC subcommittee conf calls – (6 so far and we are only in Feb!)
- Member Recruitment: Provided National with a list of target utilities to send mailers about membership. Will continue to reach out to utilities around locations where we host workshops and will create a list of utilities to speak with from the PRC meetings. Newest members – Mead & Hunt and Eco Water Technologies.

Legislative and Regulatory Reform

Legislative Session:

Still working on the list of items for the PRC Framework document.

- Clarify process & criteria for existing groundwater quality variances and waivers
- “Audit” existing regulations for outdated requirements & update
- Establish no need for Consolidated Use or Water Use permit for DPR projects
- Form working group to determine if existing law adequately protects utility investment in potable reuse projects
- Clarify compliance with existing spring discharge surface water quality standards
- Revise chapter 62-610 “indirect potable reuse” definition to include groundwater recharge for water supply augmentation

Regulatory Rulemaking:

- **General:** Targeting the 2020 Session for legislative language for both direct and indirect PR
For 2019, May 19-25 was selected as Florida Water Reuse Week with Proclamation sent out to members

Education and Outreach

- Conferences: [Dates, attendees, location, highlights]
- Events: [Dates, attendees, location, highlights]
- Webcasts: [Dates, attendees, location, highlights]
- Press: Working with the press on PRC updates – selected a PR and outreach firm through the PRC
- Social Media:
- Scholarships: \$3,000 has been budgeted for 2019 scholarships
- Partnerships:

Special Projects

Other News

Requests / Suggestions for Discussion



2019: 1st Quarter

Organizational Updates

- Leadership: President, Adrian Edwards; Vice President, Open; Secretary/Treasurer, Keli Callahan; Past President, Dan Fischer; Board of Trustees: Randy DeVaul, Daniel Gerrity, Dave Johnson
- Meetings: The 2019 first quarter meeting was held on January 9. The next quarterly meeting will be held on April 10 in Henderson, NV. Meetings are generally the second Wednesday of every January, April, July, and October (Annual Meeting).
- Governance Issues: nothing new
- Member Recruitment: WaterReuse Nevada welcomed the University Nevada Las Vegas as a new member!

Legislative and Regulatory Reform

Legislative Session:

- The Nevada Legislature began their biennial meeting this January, several entities are monitoring proposed bills for potential impacts. The 120 day calendar is tentatively set to conclude on June 3, 2019

Regulatory Rulemaking:

- Indirect Potable Reuse (IPR) with Category A+ reclaimed water (12-10-10) is permitted in Nevada.
- No new regulations were proposed or anticipated this quarter.

Education and Outreach

- Conferences: We do not currently host any conferences.
- Recent Events: No recent events.
- Next Events: Nothing scheduled at this time.
- Webcasts: We do not currently host any webcasts.

- Press: No recent press.
- Social Media: We do not currently use social media.
- Scholarships: Five \$1,000 scholarships were awarded to students doing studies and/or research in southern Nevada related to water reuse. We plan to expand the program to northern Nevada next year.
- Partnerships: Our southern Nevada members continue to partner with the University of Nevada Las Vegas, the Southern Nevada Water Authority, and others on Water Research Foundation and other research projects. Our northern Nevada members are partnering with the Nevada Water Innovation Campus (formerly Nevada Water Innovation Institute) of the University of Nevada, Reno towards developing and implementing innovative and integrated water solutions for regional needs.

Special Projects

Northern Nevada Potable Reuse Feasibility Study – Northern Nevada agencies continue a 5-year Feasibility Study examining if the State of Nevada’s category A+ reclaimed water quality could offer the region significant water management benefits. The Feasibility Study should be complete in 2020.

The cornerstone of the Feasibility Study is conducting two field-scaled demonstration projects examining category A+ reclaimed water for groundwater augmentation – one demonstration for direct water injection, and another investigating infiltration basins. During 2019, the regional team is developing a 15-20 GPM demonstration of the advanced treatment process trains, with planned demonstration for injection beginning in fall 2019 at the Reno-Stead Water Reclamation Facility. The infiltration basin demonstration will occur during 2019 and 2020 at the Cold Springs Water Reclamation Facility.

To better communicate the Feasibility Study activities and goals – the Northern Nevada team has introduced “**OneWater Nevada**” with tagline “*Our sustainable Water Future*”. This branding is intended to help unify communications amongst the eight contributing agencies (Truckee Meadows Water Authority, City of Reno, City of Sparks, Washoe County, University of Nevada, Reno, Western Regional Water Commission, Northern Nevada Water Planning Commission).

Nevada Water Innovation Campus (NWIC) – The Campus conducted a collaborative event entitled “Partnering for Impact – Nevada Water Forum” during a co-located NWEA and NWRA conference. The event focused on how to achieve more intentional research collaboration between NWIC, UNR, and UNLV and other statewide agencies relating to water reuse, sustainability, and sharing human resources.

Nevada WaterReuse Symposium – An event is in the early planning stages for the fall of this year where Section members and interested parties from throughout the state can meet to discuss current regional conditions and challenges to find common goals and work together to discuss how best to utilize water reuse and recycling to maximize the water resources of the state.

Other News

None

Requests / Suggestions for Discussion

None



2019: 1st Quarter

Organizational Updates

- Leadership: Jacque Klug, Recycled Water Project Manager, is the Pacific Northwest Section President serving through the end of 2020.
- Meetings:
- Governance Issues:
- Member Recruitment:

Legislative and Regulatory Reform

Legislative Session:

Regulatory Rulemaking:

- **Washington State:** the Washington Department of Ecology and Health have issued technical guidance manuals to accompany the 2018 adopted Reclaimed Water Rule.

Education and Outreach

- Conferences: The Pacific Northwest Water Reuse Association and the Idaho Operators Conference together this year, bring you the **2019 Idaho Reuse & Operators Conference (IROC)**, May 21-23, 2019 in Boise, Idaho. Hosted in Idaho with DEQ, this combined conference is about reuse in the Pacific Northwest. IROC is offering training in wastewater, drinking water, labs, and collections for operators. While the reuse side of the conference enables water and wastewater operators, engineers, public works, directors, environmental advocates, and other professionals to continue their education, network, and discuss key issues related to water reuse. IROC is a great opportunity to bring individuals from all over Idaho, Oregon, and Washington to continue learning about recycled water. <http://www.deq.idaho.gov/2019-water-reuse-conference>

Special Projects

Other News

Requests / Suggestions for Discussion



2019: 1st Quarter Report

Organizational Updates

Leadership:

Executive committee transitions occur at the WRT Annual Meeting during the Texas Water Conference each April. The current executive committee consists of:

- President (2018-2020): Eva Steinle-Darling, Principal Technologist at Carollo Engineers, Inc.
- Immediate Past President (2018-2020): Tom Taggart, Executive Director of Public Services at City of San Marcos
- Vice President (2018-2020) Mark Vega, General Manager at McAllen PUB
- Secretary (2014 -): Shannon Rodriguez, Supervising Engineer at Houston Water
- Trustee (2016-2019): David Sloan, Senior Process Engineer, Freese & Nichols
- Trustee (2017-2020): Ignacio Cadena, Project Manager, Black & Veatch
- Trustee (2018-2021): Mark Sanchez, Parkhill Smith and Cooper
- Committees:
 - Outreach and Education, chaired by Christina Montoya, El Paso Water
 - Membership, chaired by Ellen MacDonald, Alan Plummer Associates, Inc.
 - Research, chaired by Caroline Russell, Carollo Engineers, Inc.

Per our bylaws, a nominating committee was formed during our annual planning meeting on February 11 to identify candidates for the Trustee position for 2019-2022. The committee's recommendation will be presented for approval at the annual meeting at Texas Water.

Meetings:

Water Reuse in Texas Conference 2019:

- Scheduled for McAllen May 23-24, 2019.
- MOU with the Water Environment Association of Texas (WEAT) for conference support provided by WEAT staff (Julie Nahrgang, Executive Director) updated with new rates for 2019, signed mid-August.
- Dates reserved at the City of McAllen Convention Center.
- Abstract submission window closed February 15.

Annual executive committee meeting:

- Took place in Austin on February 11, 2019.
- Agenda attached to this report. Minutes have not yet been reviewed and approved.

Member Recruitment:

In 2018, the Texas section recruited 13 new members, many of them in the municipal category, which is much more stable than the industrial-sector membership. This offsets some of our industrial-sector membership losses over the last two years.

Additional membership targets are utilities in the Lower Rio Grande Valley, because our conference is planned for McAllen, which one of the major cities of the region.

Legislative and Regulatory Reform

Nothing to report.

Education and Outreach

Christina Montoya is just starting up her committee and has established a facebook page: <https://www.facebook.com/WateReuseTexas/>, which is updated regularly with photos and news stories relevant to Texas reuse projects.

At our annual planning meeting, a few strategies were discussed for both increasing the amount of relevant content available through our site, and also increasing the visibility of that site.

Special Projects

WRT is currently sponsoring a research project at the University of Texas at Austin focused on on-site reuse. An initial invoice and first progress report were submitted in July 2018 and January 2019. A no-cost extension through 8/31/2019 was granted in August 2018.

WRT would like to allocate additional resources towards a Texas-oriented research agenda. However, it is unrealistic to administer a research program based only on volunteer time. Thus, WRT is considering collaborating with the WRF to develop a Texas-focused research project that would leverage the available section budget more effectively with potential matching funds from (and administration through) the WRF.

At the annual planning meeting on February 11, the executive committee members agreed to continue discussions with WRF but target 2020 for the first year of funding under this new potential partnership. The one-year delay will allow WRT to contribute a more sizeable amount to a potential research project.

Other News

Trustee Ignacio Cadena has been meeting with representatives of Texas-based desalination-focused water organizations (Texas Desal Association, South Central Membrane Association) to chart a path forward for greater collaboration. Their initial meeting took place December 19, 2017 focused on understanding each organization's mission and finding commonalities, one important commonality being the advancement of reuse and desalination through educational activities.

Several goals came out of this meeting:

- Increase coordination of scheduling for major events, like state conferences to increase attendance and sponsorship revenue
- Share and align policy agendas for mutual support on legislative outreach
- Monitor and share information on funding opportunities that are common to reuse and desal (Reclamation programs, for example)
- Generally exchange information on programs and activities to increase collaboration and reduce duplicative programming

One action item from the February 11 planning meeting was to explore further the avenue of conference collaboration through potential co-sponsorship and cross-over roles on the technical planning committees.

Requests / Suggestions for Discussion

Nothing to report.

Other Business

- Public Health and Medical Community Initiative