Voters decided Baltimore City’s Water & Sewer System’s future fate…Page 6

Keynote Speaker is Philadelphia Legend Vai Sikahema

PA Section AWWA’s Showcase Event:
Register Now for the 71st Annual Conference
April 16-18, 2019
at the Hershey Lodge & Convention Center
Info & Registration…Pages 9-18

Important training course offers “Updated Information on a Threat to our Water Supply: Harmful Algal Blooms”…Page 12
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ARTICLES WANTED:

Technical Articles for the Water News Source

Help make the Water News Source Better! Our quarterly publication is looking for a few good technical articles of interest to our readership. Articles need not be PhD level research, just something to satisfy those seeking knowledge in the field of water works! Similar to the Journal of American Water Works but not necessarily as cutting edge. There’s so much going on and so much to learn, so help us out:

- Case histories of management, billing, water source, treatment and distribution projects
- New technology
- Compliance with regulatory issues
- Training, personnel, management, public relations, and IT articles.

Papers should be submitted by email to Mike Snyder, Water News Source Editor, at mikesnyder@paawwa.org. Papers should be prepared in Microsoft Word for Windows format.

To advertise in the Water News Source, please contact Mike Snyder at 717-774-8870 or email mikesnyder@paawwa.org for more information.

The Water News Source • Vol. 54 No. 4 • Winter 2018–19

The Water News Source is published quarterly by the Pennsylvania Section of the American Water Works Association. The purpose is to inform members, local and state officials, and elected representatives about water supply issues in Pennsylvania.

The ideas, opinions, concepts, procedures, etc., expressed in this publication are those of individual authors and not necessarily those of the PA-AWWA Section, its officers, general membership, or the editor. The Section maintains the right to edit all articles for clarity and space. Individuals or organizations are encouraged to submit suggestions, ideas, articles, and items for the calendar of events. Please submit as a Word file and email to mikesnyder@paawwa.org.

Deadline to submit articles for the next newsletter is Feb. 28, 2019.
Reflecting on a great speech spurs call for Section volunteers

I write this a week after the death of George H.W. Bush and while maybe my memory serves me poorly, it seems like he got a lot more respect in death than as president. Of course, given the current tense state of American affairs, the purpose of this letter is not to talk about politics.

When I think of our 41st president, what often comes to mind is his "A Thousand Points of Light Speech" which, while also frequently maligned, I always thought to have great merit. I believe that the spirit of the speech is that while our various levels of government can provide many services quite well, there are certain things that volunteer organizations can provide even better. Perhaps it is because we can add a personal touch, have a better understanding of local needs or maybe because we are more fleet-footed and better organized at the grassroots level.

“The old ideas are new again because they are not old, they are timeless: duty, sacrifice, commitment, and a patriotism that finds its expression in taking part and pitching in…”

This leads me into a call for service for AWWA. We can use your assistance at many levels, some not even requiring much time. We need people to teach training classes. Our classes provide excellent learning opportunities, allow operators to earn DEP contact hours and they raise money for the Section. We are only limited by the number of people willing to provide training. Lecture materials are pre-prepared so most of the effort is to teach the class.

On the topic of training we are also looking for people to serve on the Education and Technical Council. This committee helps to plan and organize the training programs that are so important to our mission.

Every year we need people to prepare technical presentations for the annual conference and also at district events. It would also be great to get some articles into our quarterly newsletter, which is an underutilized resource. Something for the good of the order, in other words, articles of interest to our readership. Need not be PhD level research just something to satisfy those seeking knowledge in the field of water works! Similar to the Journal of American Water Works but not necessarily as cutting edge.

“We’re a nation of community….of thousands and tens of thousands of ethnic, religious, social, business, labor union, neighborhood, regional and other organizations, all of them varied, voluntary and unique.”

And of course, we encourage our membership to recruit new members. Maybe I’m biased but I often encounter people in the water works industry, non-AWWA members, who would benefit by the technology transfer, learning and networking opportunities provided by membership. The benefit of membership is not only career enhancement but participation in a communal organization of likeminded people with common professional interests – a way of generating enthusiasm for one’s career and of fostering cooperation.

Needless to say perhaps, but because attracting young talent is an ever-present concern, we also need people to talk to high school and college students about the many and interesting opportunities in the water works field. This could involve presenting at a career fair or be as simple as a one-and-one conversation with a student or somebody starting out in the work force.

“I have spoken of a thousand points of light, of all the community organizations that are spread like stars throughout the Nation, doing good. We will work hand in hand, encouraging, sometimes leading, sometimes being led, rewarding.”

Last but not least, we certainly encourage people to participate in Section and District events, such as conferences, training classes, workshops and committee meetings.

Peter Lusardi
Chair
Tools for Operators: New App for Prospective Water Operators from AWWA

AWWA released an exam prep app and book to assist water operators studying for certification. The free app is available for download at: www.awwaexamprep.com

The American Water Works Association recently released the all-new exam prep app and companion book for use by current and prospective water operators who are studying for certification exams.

The AWWA Exam Prep app features sample exam questions and detailed answer explanations, and performance tracking to prepare users for certification. Users have the option to purchase additional questions, which are available in sets tailored to both introductory and advanced courses of water treatment and distribution.

The AWWA Operator app is optimized and available for download for iOS and Android devices via the App Store or Google Play. The app is also accessible on tablets and desktop devices.


All content included in both the app and book has been assessed and approved to conform to the latest Association of Boards of Certification criteria.

AWWA Member Utility Spotlight is on: Borough of Edinboro

Edinboro is an urban center with a “small town atmosphere” located in a rural setting. It is a college town, and a lake resort in the summer months. There are attractive residential areas, busy commercial districts, an industrial park, a lakeside resort, and recreational opportunities. There is also a “sense of community pride” maintained by most permanent residents. They like Edinboro as a place to live, to work, to raise a family or to retire. Even newer residents believe that Edinboro is a special place affording educational, cultural, social and recreational opportunities in a small town atmosphere not found in many communities. A better understanding of present day Edinboro is possible only through an understanding of its historical development.

Farm land was cleared in the surrounding countryside and the future community began to take form. Congregations of the Presbyterian and Methodist church organized and formed the roots of the still-active churches. The first school was built by William Culbertson around 1825. Edinboro’s postal service dates back to 1837 when a branch office was established as part of a postal circuit through Erie and Crawford Counties. Through the early 1800’s the community continued to grow in support of the surrounding farms, and in 1840 it incorporated with a population of 232 and land area of 500 acres. Edinboro continued to develop as an old New England town architecturally. The second half of the 1800’s saw significant changes in Edinboro. A turnpike made of planks was completed in 1852 between Erie and Meadville via Edinboro. The road south of Edinboro to Venango still bears the name Plank Road. An academy was started in 1855. This academy became the State Normal School in 1861 and evolved into the present day Edinboro University of Pennsylvania.

By the 1900’s an electric railway had made its way between Erie and Edinboro. A trolley station was subsequently built by the railway company which later served as the Borough Municipal Building until the construction of the new building in 1975. Three fires severely damaged the commercial section of town in the early 1900’s. The fires dated 1902, 1905, and 1909, destroyed the original wood frame buildings but were replaced with the brick structures still in place today. Through the 30’s, 40’s, and 50’s Edinboro matured as a summer resort community as Lakeside developed, summer camps operated at capacity, and the Lakeside Association actively promoted tourism and its “resort colony”.

The 1960’s brought dramatic growth and development to Edinboro. About 400 building permits were issued during this decade including eight apartment complexes and seven new subdivisions. Over one million dollars in building permits were authorized during this decade. Assessed valuation of property in 1960 was $1,161,670 and increased to $5,500,000 in 1969. Borough staff numbered eight full-time and four part-time in 1960 increasing to eleven full-time and nine part-time in 1969. The number of maintained roads almost doubled from 10 miles in 1960 to 18.5 miles in 1969. Water consumption tripled in the same period from 52,732,000 gallons to 167,284,000 gallons. Such growth prompted the construction of a new sewage plant, completed in 1970.

The 70’s, 80’s, and 90’s were a period marked by change, innovation, and improvement. The Borough’s Home Rule Charter was adopted in 1974, followed by the construction of the current Municipal Building in 1975. The 1980 census placed the Borough first in population among all Boroughs in Erie County, with a total population of 6,324, an increase of 30%. The Borough continued to experience growth in the business districts, in housing, and in the University. In 1980, the Borough Manager, David A Crawe, retired. Mr. Crawe served as the Borough Secretary from 1953 until his appointment as Manager in 1975. The 80’s also served as a time of transition. Edinboro State College transformed to Edinboro University. In addition, the Borough developed a new water source on the EUP campus with newly acquired Community Development Block Grant Funds and upgraded the Wastewater Treatment Plant via a 3.8 million dollar bond issue.

The Borough’s population peaked at 7,736 in the 1990 census. Population declined to 6,950 with the 2000 census, and the downward trend continued with the 2010 census to 6,438 Borough residents. Despite the decrease in population, Edinboro continues to have a flourishing business district and the permanent residents maintain an ever-growing sense of pride in the Edinboro community. Annual events such as the Downtown Edinboro Arts & Music Festival, Edinboro University Homecoming, and the downtown block parties give residents plenty to look forward to throughout the year, in addition to the beautiful lake that gives joy to thousands of residents and visitors each summer.

For more information on the history of Edinboro, please contact the Edinboro Area Historical Society at 814-734-6109, or visit their website, www.edinborohistory.org.

From: www.edinboro.net
The November mid-term elections had some surprises and post-election ballyhoo over several close elections and questionable vote counting. But there was a ballot question involving a ban on water privatization that had some drama, but was not close. The ballot question was on the ballot in Baltimore, Maryland. Question E, as the ballot measure is known, was a question for the voters in Baltimore to decide whether an amendment should be made to the City’s Charter that would prevent the City’s water and sewer systems from being alienated (sold, leased, privatized). Question E made its way to the ballot after Baltimore City Council voted in favor of a resolution that would ban privatization of the City’s water and sewer systems. While not garnering as much attention as the congressional and gubernatorial races across the nation, it did attract attention in the financial and water sectors. Bloomberg and some other news services closely watched the process leading up to the ballot question, and the voting. I was interviewed by Bloomberg and was asked for my thoughts on the subject. My response was "This would be the first major city to basically say we’re not in the market for this. It’s fair to say that a lot of different groups on all sides are watching what’s going to happen in Baltimore."

The result was that over 75% of the voters voted in favor of the amendment to the City Charter. The only other city to take similar action is the City of Northampton, Massachusetts, a city with a population of approximately 28,000. During 2016 Northampton passed an ordinance which stated, “The public water resources and infrastructure of the City of Northampton, including systems and facilities related to the supply, storage, treatment and distribution of water, shall be owned and/or controlled by the City of Northampton and shall not be sold, leased or transferred into private ownership.” The Northampton ordinance has not created any anti-privatization waves since its enactment in 2016. We will continue to watch what effect the Baltimore City Charter amendment may have, and whether it will be a wave or a ripple.

Another city is experiencing lead in drinking water crisis situation

False denials are never good, especially when made by those responsible for drinking water systems. Remember how that worked for Flint, Michigan? Newark, New Jersey has joined the growing ranks of lead deniers who have been forced to change their tune. For well over one year, Newark’s leaders have been denying that the city has a lead in drinking water problem. As recent as the beginning of 2018 the city’s website contained the following statement “Newark’s water is absolutely safe to drink.” But as the New York Times reported, Newark has recently acknowledged the lead problem and has embarked on the distribution of 40,000 water filters after a study that it financed concluded that measures being taken by Newark to prevent high levels of lead in its drinking water have failed. When questioned about Newark’s slow response to the lead problem, its Mayor gave this somewhat puzzling response, “…Newark has some of the best drinking water. The problem is that our infrastructure is not safe.” [New York Times, Oct. 30, 2018, “In Echo of Flint, Mich., Water Crisis Now Hits Newark”]
When Bob Dagle began working at LB Water in 1978, the company had just four employees, three desks, one location and no computers. According to Dagle, the four employees had to fight for space at the three desks, which were pushed together so workers could access a single set of product-inventory cards that they would rotate among themselves with the help of a lazy Susan.

“When we started, we had a manual system and handwrote all of our invoices,” said Dagle. “And we used a calculator to calculate product prices and multiply the units. The father of one of our employees would check our math.”

Today, LB Water has grown to have more than 200 employees at eight locations throughout Pennsylvania, Maryland and Virginia and maintains a computerized inventory of more than $25 million in products used in the potable water, sanitary sewer and stormwater management industries. The company also has two affiliated companies, S3 Stormwater Solution Source and 540 Technologies which specializes in leak detection and water-loss management as well as smart lighting and smart grid applications.

During his four decades at LB Water, Dagle’s diverse roles included everything from working in the warehouse, loading and unloading trucks and sweeping floors to driving a delivery truck, testing water and sewer lines and serving customers throughout a sales territory that extended from Coudersport to Towanda, Clearfield to the coal region, Millersburg to Tower City and all areas in between.

Despite his success at sales, Dagle and his fellow sales representatives never considered themselves to be salespeople.

“We were customer service people who tried to help the customer fix their problems,” said Dagle. “We developed friendships and trust with our customers. When we tried to sell them something, they knew that it was something that would be good for them.”

In 2002, LB Water’s original team of owners sold the company to the employees under an employee stock ownership plan, and Dagle became its first president, a position he held until 2008. Since then, until his retirement on June 30, Dagle served as chief administrative officer, overseeing the company’s financial, legal, insurance and human resources functions.

“At the end of July, it would have been 41 years,” said Dagle. “My wife had already retired and it just seemed the time to do things while I’m healthy and able to get out and about.”

Lying, unethical behavior has consequences

As a consequence of lying about water treatment, a former utility manager faces up to 5 years in federal prison. The lying in question was to federal investigators about improper lead levels management. Dale Johansen pleaded guilty in federal court in October to making false statements to investigators about the operation of treatment facilities for lead that he oversaw in the Potosi, Missouri water system. Prior to his responsibility for the Potosi water system, Mr. Johansen had worked for the Missouri Public Service Commission where he oversaw the Commission’s water and sewer programs. [Riverfront Times, Oct. 23, 2018, “Former Utility Official Lied as Lead Built Up in Missouri Drinking Water for Six Months”] As a consequence of alleged unethical behavior, an Alabama grand jury has indicted the Regional Administrator for EPA’s Region 4. Trey Glenn resigned from his position in November. He has been released on bond, and denies any wrongdoing. The charges relate to allegations that he solicited or received a thing of value for helping a coal company fight liability in an EPA-mandated cleanup of a polluted site. [Washington Post, Nov. 19, 2018, “Trump EPA official who was indicted on ethics charges has resigned”]

Closing thoughts

On September 24, 2018, I had the privilege of being the keynote speaker at the Water Works Operators Association of PA Annual Conference. For the audience, it probably was not a memorable experience, but for me it was wonderful. The best part for me was not delivering the presentation. The best part for me was the pre and post-presentation time that I had to mingle with the attendees and renew old acquaintances and make some new ones. I always come away from events like this one with a profound respect for the talent, dedication and integrity of the people who are responsible for supplying drinking water to the public.
HRG announces new leadership positions

Herbert, Rowland & Grubic, Inc. (HRG), an employee-owned, full-service civil engineering firm, has announced leadership promotions and organizational changes as part of a strategic succession planning initiative. Effective January 1, 2019, Jason A. Fralick, P.E. will assume the position of President. The current President & CEO, Robert C. Grubic, P.E. will remain with the company as CEO and Chairman of the Board, allowing him to focus on HRG’s long-term vision and strategic objectives.

In addition, Grubic will continue to support the company’s clients and participate in all phases of project development. Grubic has been with HRG for 45 years and has served as President & CEO for the past 29 years. Based in Harrisburg, HRG has expanded to strategic locations throughout Pennsylvania and West Virginia under Grubic’s leadership.

Fralick, who joined the company in 1991 as an intern, has held various leadership positions and served clients across all of the company’s geographic markets and service areas. A native of Dauphin County, Jason currently serves as Western Region Vice President, which includes locations in State College, Lewisburg, Pittsburgh and Morgantown, WV. “Jason has a 27-year history with HRG and is highly regarded across the company for his leadership and relationship skills,” said Grubic.

As President, Jason will lead HRG operations and supervise the development and implementation of the company’s strategic business plans. His responsibilities also include initiatives that encompass employee development, marketing and business development, as well as financial and administrative operations. “It has been my privilege to spend my entire career at HRG and I’m both humbled and extremely excited about this opportunity. HRG is where I began my career and it is where I intend to finish it,” said Fralick.

Edward A. Ellinger, P.E., has been named assistant vice president of HRG’s Harrisburg office, a position that was introduced as part of HRG’s succession plan and organizational changes that go into effect in January 2019. Currently a practice area leader in charge of the firm’s water and wastewater services, Ellinger will transition to new duties managing the firm’s operations throughout the Harrisburg region. This includes ensuring the continued delivery of high quality service to its public and private sector clients across all divisions, supporting business development, and encouraging the growth and development of nearly 100 employee-owners based in the firm’s Harrisburg location.

HRG’s leadership team will also include the newly created position, Chief Operating Officer, which will be filled by Andrew M. Kenworthy, P.E. Currently serving as Eastern Region Vice President, Andrew has spent 23 of his 25-year career with HRG. As Eastern Region Vice President, Andrew oversees HRG’s locations in Harrisburg, York and Shippensburg. As COO, Andrew will direct all technical and project delivery operations and oversee all HRG locations. “Andrew is a trusted leader who is respected by his colleagues. He has a keen understanding of HRG’s operations,” said Grubic.

Brian D. Emberg, P.E., who has served the company for 30 years, will continue as Senior Vice President, a position he has held for the last seven years. In his role, Brian will focus on strategic business development and client engagement. “During his career, Brian has amassed vast and diverse experience through the successful delivery of hundreds of infrastructure projects, enabling him to forge strong relationships with HRG clients and business partners,” according to Grubic.

In addition, HRG has also elevated marketing to a higher level in the organization to reflect its integral role throughout the company and in accomplishing short and long term goals. Corporate Marketing, led by Ryan A. Albright, will report directly to the President.

Finally, Bruce A. Yerger will continue as Chief Financial Officer and Vice President of Administration, a position he has held for the last ten years.
JOIN YOUR WATER PROFESSIONAL PEERS:

PA Section’s 71st Annual

CONFERENCE

April 16-18, 2019

Hershey Lodge and Convention Center
Hershey, PA

HIGHLIGHTS

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Special Events Planned for the Conference Include:

### Tuesday – April 16

- Annual Golf Outing at Deer Valley Golf Course
- Section Meet and Greet at the Hershey Lodge – Cocoa Suite #3 & #4

### Wednesday – April 17

- Full Day of Operator’s Sessions
- Business Luncheon and Awards Presentations
- Exhibit Hall Monopoly Game
- Water for People Silent Auction
- Partnership for Safe Water Social Mixer
- Young Professionals Poster Contest, Tank Building Contest and Hydrant Hysteria
- Water Taste Test
- Exhibit Hall Social Event
- DBIA Sponsored Event at Your Place Restaurant

### Thursday – April 18

- Exhibit Hall Breakfast
- Full Day of Technical and DBIA Sessions & Harmful Algal Bloom Course
- Exhibit Hall Luncheon
- Water for People Silent Auction
- Monopoly Game and PA AWWA Raffle

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- Quiet Room
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(717) 534-3439

The Hershey story explores the rags to riches accomplishments of an American entrepreneur who used wealth to enrich the lives of others. Hear never-before shared stories of his innovation and determination. Find out how Mr. Hershey revolutionized the process of making milk chocolate. Discover how the Hershey Industrial School’s orphan boys became heir to his fortune.

From the interactive Museum Experience and its creative Apprentice Program to the Chocolate Lab to Café Zooka and the Museum Shop, the sweet results of Mr. Hershey’s entrepreneurship, ingenuity and philanthropy are guaranteed to inspire all who enter The Hershey Story.

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The Free tour experience shows Hershey’s chocolate making process. It begins in the tropical rain forest where cacao beans grow. As the beans are harvested, follow their journey across the ocean to America, where they are delivered to The Sweetest Place on Earth – Hershey, Pennsylvania. Then engage your senses as the cocoa beans continue through a simulated Hershey’s Chocolate Factory. Here you will see, feel, and hear the processes that deliciously transform the beans into milk chocolate. Using real factory equipment, you can choose the ingredients and watch your candy bar actually being made on the assembly line. You can also design your own wrapper and add a personal message.

THE IRON HILL BREWERY
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Phone: (717) 312-5164

During the Revolutionary War, a fierce battle is fought atop Iron Hill, outside of Newark, Delaware. Soldiers fight for life, liberty, and the pursuit of happiness – unaware that in more than 200 years, a group of Delaware locals will exercise that right to pursue happiness by opening a brewery right down the road. They will name it Iron Hill in honor of what the soldiers fought for.

Just in time for their official 20-year celebration, the team brings back a medal from the Great American Beer Festival. It is, serendipitously, their 20th consecutive year bringing home a GABF award.

NEW ATTRACTION IN HERSHEY:
71ST ANNUAL PA-AWWA CONFERENCE SPONSORS 2019

GOLD
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Erie Water Works
Gannett Fleming, Inc.
Municipal Authority of Westmoreland County
Whitman, Requardt & Associates, LLP

BRONZE
Entech Engineering, Inc.
Fisher Tank Company
Riordan Materials Corporation
Schuylkill County Municipal Authority

GENERAL
Herbert, Rowland & Grubic, Inc.
AWWA Cybersecurity course being presented at LCA & Section Conference
This course will teach participants how to use the AWWA Cybersecurity Guidance Tool

Date: Thursday, March 14, 2019
Location: Lehigh County Authority
1053 Spruce Road, Wescosville, PA 18106
(Free parking available onsite)
Registration: 7:30 - 8:00 a.m.
Course: 8:00 a.m.– Noon
Fee: $95 AWWA/WWOAP Members
$125 Non-Members

Why take this course?
• A North Carolina water utility was recently the victim of a ransomware attack
• Employees are constantly receiving phishing emails that contain harmful malware that if opened can comprise the utility’s network.
• Hackers can find a backdoor into a utility through a poorly defended vendor’s network who has remote access to SCADA etc.
• A Trojan cell phone app can provide an attacker with access to utility Wi-Fi networks.

Course Instructor:
Bob Daly, EMA, Inc.: Bob has over 30 years of experience working with water and wastewater mission critical systems in the United States. He has directed enterprise teams caring for SCADA, GIS, LIMS, and Operational Data Management Systems. He has over 17 years of operations and maintenance experience within water utilities.

Date: Wednesday, April 17, 2019
Location: Hershey Lodge & Conference
325 University Drive, Hershey, PA 17033
(Free parking available onsite)
Registration: Noon – 12:30 p.m.
Course: 12:30 – 5:00 p.m.
Fee: $115 AWWA/WWOAP Members
(1 day operator’s conference registration)
$200 Non-members
4 PA DEP Contact Hours: Water & Wastewater (Applied For)

Who should take this course?
• Utility Managers who Oversee Cybersecurity.
• Utility IT Professionals & Consultants
• Network & SCADA Technicians

Agenda
Module 1: Why is Cybersecurity Important?
Module 2: Selecting Use Cases
Module 3: Reviewing Recommended Controls
Module 4: Executing Tool
Module 5: Implementing Recommendations.

Updated Information on a Threat to Our Water Supply:
Harmful Algal Blooms
Thursday, April 18, 2019 • 8:30 am to 3:30 pm
PA Section AWWA Conference
Hershey Lodge & Convention Center, Hershey, PA
Fee: Free to Full Conference Attendees
One Day Conference:
$115 AWWA Members, $200 Non-Members
DEP Contact Hours: 5.5 (Water)

Microcystins have recently been detected in some raw water supplies in Pennsylvania. Some groups of cyanobacteria can produce cyanotoxins, which if not properly treated, can negatively impact the health of drinking water consumers. This course will cover which cyanobacteria are a threat, the latest sampling and testing techniques, updated treatment options, and trigger points for issuing public notifications. You’ll hear updated information from experts in the field along with guidance from water system personnel & regulators.

Harmful Algal Bloom warning sign located on Presque Isle in Erie, PA in September 2018.

John Yamona, PA American Water, talks about PAW’s HABs Response Plan for their many water treatment plants located throughout Pennsylvania. Algal blooms are becoming more prevalent in PA.
<table>
<thead>
<tr>
<th>TIME</th>
<th>TUESDAY - APRIL 16</th>
<th>LOCATION</th>
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<tbody>
<tr>
<td>10:00 am - 5:00 pm</td>
<td>Annual Golf Outing at Deer Valley Golf Course</td>
<td>Deer Valley Golf Course</td>
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<tr>
<td>6:00 am - 8:00 pm</td>
<td>Meet and Greet Social Gathering at the Hershey Lodg</td>
<td>Cocoa Suites 3 &amp; 4</td>
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<th>TIME</th>
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<th>LOCATION</th>
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<tr>
<td>7:00 AM - 5:00 PM</td>
<td>Conference Registration</td>
<td>Great Lobby</td>
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<tr>
<td>7:00 AM - 12:00 Noon</td>
<td>DBIA Sponsored Tour of the SUEZ Water Plants in Harrisburg and Hummelstown</td>
<td>Harrisburg &amp; Hummelstown, PA</td>
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<tr>
<td>8:00 AM - 9:00 AM</td>
<td>Operator’s Breakfast - continental breakfast setup in each session room.</td>
<td>Magnolia A &amp; D</td>
</tr>
<tr>
<td>8:30 AM - 5:00 PM</td>
<td>Full Day Operator’s Session – earn up to 12.5 PA DEP Contact Hours</td>
<td>Magnolia A Confection Hall Level</td>
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<tr>
<td>8:30 AM - 12:00 Noon</td>
<td>Operator Hydraulics - Dealing with Those Unusual Days Dr. Thomas Walski (Bently Systems) 2.5 PA DEP Contact Hours (water)</td>
<td>Magnolia A Confection Hall Level</td>
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<tr>
<td>8:30 AM - 12:00 Noon</td>
<td>Method 334.0 Workshop, Joe Matucci &amp; Sheryl Martin (DEP) 3.0 PA DEP Contact Hours (water)</td>
<td>Magnolia D Confection Hall Level</td>
</tr>
<tr>
<td>12:30 PM - 5:00 PM</td>
<td>Cyber Security in the Water Sector - Bob Daly, EMA, Inc. 4.0 PA DEP Contact Hours (water &amp; wastewater)</td>
<td>Magnolia A Confection Hall Level</td>
</tr>
<tr>
<td>1:00 PM - 4:30 PM</td>
<td>The Valve Workshop - Muller Company &amp; Ferguson Waterworks 3.0 PA DEP Contact Hours (water and wastewater)</td>
<td>Magnolia D Confection Hall Level</td>
</tr>
<tr>
<td>9:00 AM - 11:30 AM</td>
<td>Opening Session &amp; Keynote Speaker - Val Sikahema played football for the St. Louis Cardinals &amp; the Philadelphia Eagles and is currently the morning news anchor for NBC10 News Today. The AwWra Rep, Dr. Joe Jacangelo, Int’l Council Chair (2017-2020) for American Water Works Association, will provide the Opening Session Remarks. Michael Klein and Erick Ross will provide Legal and Legislative Updates.</td>
<td>Magnolia B &amp; C Confection Hall Level</td>
</tr>
<tr>
<td>10:00 AM - 1:00 PM</td>
<td>Exhibit Hall Set Up - Vendors</td>
<td>Blue and White Room</td>
</tr>
<tr>
<td>11:30 AM - 1:00 PM</td>
<td>Business Luncheon &amp; Awards Presentations</td>
<td>Empire A,B,C&amp;D Confection Hall Level</td>
</tr>
<tr>
<td>1:30 PM - 4:15 PM</td>
<td>Technical Sessions - 2 Separate Rooms (1 PA DEP Contact Hour)</td>
<td>Magnolia B &amp; C Confection Hall Level</td>
</tr>
<tr>
<td>1:00 PM</td>
<td>Exhibit Hall Opening</td>
<td>Blue and White Room</td>
</tr>
<tr>
<td>1:00 PM - 7:00 PM</td>
<td>Silent Auction and Fresh Ideas Poster Contest and Monopoly Game</td>
<td>Blue and White Room</td>
</tr>
<tr>
<td>3:00 PM - 4:30 PM</td>
<td>PA-Section Committee Open House/PA-AWWA PFSW Mixer</td>
<td>Crystal A - Confection Hall Level</td>
</tr>
<tr>
<td>3:00 PM - 4:30 PM</td>
<td>BREAK</td>
<td>Blue and White Room</td>
</tr>
<tr>
<td>3:00 PM - 7:00 PM</td>
<td>Water Taste Test (3-6 PM); Celebrity Panel Taste Test (6:15-7:00 PM)</td>
<td>Blue and White Room</td>
</tr>
<tr>
<td>6:15 to 7:00 PM</td>
<td>Celebrity Panel of Judges award Best Tasting Water; Winner competes at ACE 17</td>
<td>Blue and White Room</td>
</tr>
<tr>
<td>4:30 PM - 7:00 PM</td>
<td>Hydrant Hysteria Contest (4:30-5:30 PM); Tank Building Contest (5:30-6:30 PM)</td>
<td>Blue and White Room</td>
</tr>
<tr>
<td>5:00 PM - 7:00 PM</td>
<td>Exhibit Hall Networking Event - visit reps from the water industry’s leading companies. Participate in the Vendor Drawing and the Monopoly Game and you could win a prize! Take part in the Water for People Silent Auction for a great cause! Appetizers, beer and wine will be served.</td>
<td>Blue and White Rooms</td>
</tr>
<tr>
<td>5:30 PM &amp; 6:30 PM</td>
<td>Vendor Drawings - Exhibit Hall</td>
<td>Blue and White Room</td>
</tr>
<tr>
<td>7:00 PM</td>
<td>DBIA Sponsored Event. Must get wristband from DBIA Booth.</td>
<td>Your Place Restaurant</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>TIME</th>
<th>THURSDAY - APRIL 18</th>
<th>LOCATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>7:00 AM - 1:00 PM</td>
<td>Conference Registration</td>
<td>Great Lobby</td>
</tr>
<tr>
<td>7:00 AM - 8:30 AM</td>
<td>Exhibit Hall Breakfast - breakfast buffet</td>
<td>Blue and White Room</td>
</tr>
<tr>
<td>7:00 AM</td>
<td>Exhibit Hall Opens</td>
<td>Blue and White Room</td>
</tr>
<tr>
<td>8:00 AM - 11:30 AM</td>
<td>Design-Build Institute of America Sessions Track 1 and Track 2</td>
<td>Empire A &amp; B Confection Hall Level</td>
</tr>
<tr>
<td>8:00 AM - 11:30 AM</td>
<td>PA-AWWA Technical Sessions Track 1 and Track 2</td>
<td>Empire C &amp; D Confection Hall Level</td>
</tr>
<tr>
<td>8:00 AM - 1:30 PM</td>
<td>Water For People Silent Auction and Monopoly Game</td>
<td>Blue and White Room</td>
</tr>
<tr>
<td>8:30 AM - 3:30 PM</td>
<td>Updated Information on a Threat to Our Water Supply: Harmful Algal Blooms Approved for 5.5 DEP Contact Hours (Water)</td>
<td>Wild Rose B</td>
</tr>
<tr>
<td>9:00 AM - 11:30 AM</td>
<td>Water Utility Council Committee Meeting</td>
<td>Wild Rose A</td>
</tr>
<tr>
<td>10:00 AM - 10:30 AM</td>
<td>Morning Exhibit Hall Break/Vendor Raffle Drawings/Monopoly Game</td>
<td>Blue and White Room</td>
</tr>
<tr>
<td>12:00 Noon - 1:30 PM</td>
<td>Exhibit Hall Lunch - lunch and visit exhibitors</td>
<td>Blue and White Room</td>
</tr>
<tr>
<td>12:00 Noon - 1:30 PM</td>
<td>Networking Lunch - Diversity, Membership, and YP Committees invite their members to meet peers, share ideas, and learn how to get involved in AWWA!</td>
<td>Blue and White Room</td>
</tr>
<tr>
<td>12:00 Noon - 5:00 PM</td>
<td>Registration and Operator Certification Testing</td>
<td>Magnolia A,B,C &amp; D Confection Hall Level</td>
</tr>
<tr>
<td>1:30 PM - 4:15 PM</td>
<td>Design-Build Institute of America Sessions Track 1 and Track 2</td>
<td>Empire A &amp; B Confection Hall Level</td>
</tr>
<tr>
<td>1:30 PM - 4:15 PM</td>
<td>PA-AWWA Technical Sessions Track 1 and Track 2</td>
<td>Empire C &amp; D Confection Hall Level</td>
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<tr>
<td>2:00 PM</td>
<td>Exhibit Hall Teardown</td>
<td>Blue and White Room</td>
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<tr>
<td>2:30 PM</td>
<td>Afternoon Break / Ipod Giveaway</td>
<td>Confection Hall Level</td>
</tr>
<tr>
<td>5:00 PM - 6:00 PM</td>
<td>Board Meeting</td>
<td>Crystal A Confection Hall Level</td>
</tr>
<tr>
<td>6:00 PM - 8:00 PM</td>
<td>Board Meeting Dinner</td>
<td>Crystal A Confection Hall Level</td>
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2. ________________________________________________________________
3. ________________________________________________________________
4. ________________________________________________________________

Payment included for (please circle)
1 2 3 4 golfers $_______________________________

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AMERICAN EXPRESS  VISA  MASTERCARD

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Signature ___________________________________________
Amount $ _________________________________________

FAX: (717) 774-0288
AWWA Representative will share a wealth of knowledge at conference

**Dr. Joe Jacangelo**  
**International Council Chair (2017-2020)**  
**American Water Works Association**

Dr. Jacangelo is a Vice President and Director of Research for MWH Americas with over 30 years of experience in the field of environmental health engineering. He has specialized in water quality and treatment, water/wastewater disinfection, membrane technology and public health. He has served as Technical Director, Principal Investigator, Project Manager or Engineer for over 80 water and wastewater projects, and he has published over 100 papers. He has been an active member of AWWA since 1983. Joe is the current Chair of the International Council. He is also a past Board Member, past Chair of the Technical and Education Council and Member of the Executive Committee for the American Water Works Association (AWWA), and he has served as either chair or member of 26 of that organization’s various committees. He has participated on over 30 advisory or conference planning committees for various water and wastewater organizations. Joe is also the past Chair of the Board of Directors of the WateReuse Research Foundation, and he was a member of the editorial advisory board for the Journal of Water Reuse and Desalination.

In addition to his role at MWH, Dr. Jacangelo is an adjunct faculty member at the Johns Hopkins University Bloomberg School of Public Health. Dr. Jacangelo is a past recipient of the AWWA Golden Spigot Award, the AWWA Volunteer of the Year Award, and the AWWA Best Paper Award in water quality for his work on low pressure membranes for removal of protozoa and viruses. Finally, Dr. Jacangelo served for three years as a Peace Corps Volunteer in the Republic of the Congo.

‘Philadelphia Living Legend’ is keynote speaker

**Vai Sikahema**

Vai Sikahema attended Brigham Young University, where he played football and earned his degree in Broadcast Journalism. He is a member of BYU’s Hall of Fame and in 2013 was inducted into the Philadelphia Broadcast Pioneers’ Hall of Fame. He has earned two Mid-Atlantic Emmy Awards for his work in local television.

In 2011, he received a commendation from the Congressional Caucus of Adoption in Washington, D.C., for his dedication to “Wednesday’s Child.” In 2012, he was presented the Deseret News President’s Award in Salt Lake City, Utah for his weekly column, “Vai’s View,” which he penned from 2010 to 2012. In 2015, Philadelphia City Council recognized Vai as a “Philadelphia Living Legend” for his work in television and the community.

Vai’s broadcast career began at KSAZ in Phoenix while he was with the Cardinals, and with WFRV in Green Bay, Wisconsin during his stint with the Packers. He ultimately ended up in Philadelphia as an Eagle from 1992 to 1994. He was a running back and kick returner for the team, and is ranked first among the NFL’s all-time career leaders in number of punt returns and second in punt return yardage. He is also a two-time All-Pro and was twice named the NFL Alumni’s Kick Returner of the Year.

Vai grew up wanting to be a professional boxer and spent many years boxing at an amateur level. In 2008 he accepted a challenge from former baseball player Jose Canseco to fight him in a celebrity boxing match. The match was dubbed “The War at The Shore,” and Vai won by knockout in the first round. He donated his winnings to the family of Sergeant Stephen Liczbinski, a fallen officer of the Philadelphia Police Department.

A native of Nuku’Alofa, Tonga, English is Vai’s second language. He resides in New Jersey and is a local leader in the Church of Jesus Christ of Latter Day Saints in Cherry Hill. Vai is dedicated to serving the community and played an active role in helping to secure the property for his church to build the first Mormon Temple in Pennsylvania in Center City.

Vai Sikahema is currently a morning news anchor for NBC10 News Today. Vai joined NBC10 in 1994. In addition to his anchoring duties, Vai hosts “Wednesday’s Child,” a weekly feature promoting the adoption of area children. The feature is sponsored by the National Adoption Center and the Dave Thomas Foundation for Adoption.

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2019 PA-Section AWWA 71st Annual Conference

**SECTION I / Conference Selection**

<table>
<thead>
<tr>
<th>Full Conference</th>
<th>(April 16-18, 2019)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water Utility Operator - Reduced</td>
<td>$165</td>
</tr>
<tr>
<td>Federal/State Employees - Reduced</td>
<td>$165</td>
</tr>
<tr>
<td>AWWA Member - Utility</td>
<td>$215</td>
</tr>
<tr>
<td>AWWA Non-Utility/DBIA Member</td>
<td>$265</td>
</tr>
<tr>
<td>Non-Member</td>
<td>$325</td>
</tr>
<tr>
<td>Student or Guest</td>
<td>$50</td>
</tr>
</tbody>
</table>

* There is no registration fee for children 12 and under

**SECTION II / Operator Sessions**

**WEDNESDAY**

- 8:30 am – 12:00 pm
  - Presenters: Dr. Thomas Walski
    - Bentley Systems
  - Course: Operator Hydraulics-Dealing With Those Unusual Days

- 8:30 am – 12:00 pm
  - Presenters: Joe Matucci & Sheryl Martin PA-DEP
  - Course: Method 334.0 Workshop

- 12:30 pm – 5:00 pm
  - Presenters: Bob Daly, EMA, Inc.
  - Course: Cybersecurity in the Water Sector

- 1:00 pm – 4:30 pm
  - Presenters: Robert Waldele
    - Mueller Company & Ferguson Waterworks
  - Course: The Valve Workshop

**THURSDAY**

- 8:30 am – 3:30 pm
  - Multiple Presenters
  - Course: Update on Threat to our Water Supply: Harmful Algal Blooms

**SECTION III / Special Event Fees**

**Tuesday, April 16, 2019 – 10 AM Start**

*For Golf Sponsorship Opportunities see the Golf Flyer*

- Golf Outing at Deer Valley Golf Club
  - Per Individual Golfer: $95.00
  - Foursome: $360.00 ($90 per Golfer)

- $95.00 x _____ = $_____
- $360.00 x _____ = $_____

**Tuesday Evening Event**

*Meet and Greet for all conference attendees will be held in the Cocoa Suites 3 & 4 from 6 PM to 8 PM. Please indicate number of people attending: ________

**Wednesday, April 17, 2019**

- 11:30 am - 1:00 pm
  - Business Luncheon (PA Section)
  - $50.00 x _____ = $_____

- 7:00 pm - 10:00 pm
  - DBIA’s Social Event – Your Place Restaurant
  - (complimentary food/beverages).
  - Please indicate number of people attending: ________

**Registration & Payment / Deadline March 29, 2019**

- Late Fee $25.00

- American Express
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- Credit Card # ____________________________ Expiration Date __________

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Southeast District Conference
Dreary weather didn’t dampen Southeast District Meeting

By Christine Gunsaulus

While the weather outside was dreary (again!), things were bright and cheery inside at the Pennsylvania Southeast AWWA / WWOAP Fall Conference. Our theme was “Keeping Up with Changing Water Regulations,” and speakers got us up to date on the regulation side as well as the technology and construction side.

We value input from the PA DEP at our conferences, and appreciated a regulatory update from Dawn Hisner. Then Justin Blashaw highlighted various tools on their website for distribution system optimization, plus free water quality assessment services that the DEP offers.

Aqua Pennsylvania not only took the lead as our Premier Sponsor again, but also shared their expertise on a variety of topics, including how Fred Gerloff and Kyle Roberts turned a 10 million gallon water tank into its own water treatment facility, Tom Hanna explained new inclined plate settlers at one of their plants, and Chuck Hertz delved into the mysteries of UCMR4.

Wally Bates from Tnemec described a new insulation coating technology and its potential use to prevent sweating inside pipe galleries, on tanks inside water treatment plants, and on the interior dry surfaces of elevated water tanks.

Numerous people at the conference commented on the high quality of the speakers, and noted how the conference gets better and better every year. That is thanks to the efforts of many volunteers, two of whom we honored. John Brady (Entech Engineering) received the Recognition Award for his services to our conference, including technical liaison between us and the PA AWWA. Dan Preston (North Penn Water Authority) was awarded the coveted “Herb Spencer Award” for his dedication to our Section and the state. As Dan noted afterwards:

“It was such an honor and a shock to receive the Herb Spencer Award. Thanks to those who selected me. It is great to work with such class people over the years who refuse to settle for mediocre, but instead take pride in our regional District meeting making it the best out there, and always finding ways to make it better! I have watched the SE meeting evolve over time with an emphasis on continuous improvement year in and year out, and with an understanding of the needs of attendees. Ours has come a long way over the last 20 years.”

Finally, after hearing updates on the inspiring work of local water organizations, we continued to give back to the water industry by presenting the Philadelphia Chapter of Engineers Without Borders with a $750 check, as well as a $500 check to Tony Bellitto for Water For People.

Notice to all Phase I and II Partnership treatment utilities

The PA Section of AWWA has recently received DEP certification for a new workshop aimed at assisting Partnership Treatment program members to better optimize their water treatment operation(s). The two hour workshop will help utility management, operators and maintenance staff to better understand the program, will describe the benefits of membership and continued progress toward higher Phases of the program, and will provide some examples of using the partnership software to identify potential areas of optimization by reviewing the plant raw, settled and finished water turbidity levels. There will be many opportunities to share experiences and ask questions that you may have.

Please contact Paul Zielinski at paulzielinski@comcast.net or arney2wtr16@gmail.com or via text/phone at 717-645-2636 if you need further information or if you wish to have a Partnership representative conduct the workshop at your location. Upon completion, attendees will be awarded two DEP certification credits toward maintenance of their operator certification.
Opportunities to work together for source water protection  By Adam T. Carpenter

Introduction

Protecting sources of drinking water is a challenging endeavor. Some, although relatively few, utilities own or exert considerable control over the watersheds that supply raw water to their reservoirs and intakes or have control over activities happening around their groundwater wells and in areas that contribute to their source aquifers. The reality is that many utilities have little direct control on what happens upstream of them. Therefore, to help protect drinking water sources, many utilities instead need to work on indirect, but equally important, ways of implementing source water protection measures.

Many methods to help with source water protection are tried and true — also far from simple. AWWA has a source water protection committee, an online resource page on source water protection, and the G300 Source Water Protection standard complete with an operational guide. Specific to working with agriculture, AWWA has produced materials such as the Guide to Working with USDA Programs, a whiteboard video, and an op-ed by CEO David LaFrance. Dozens of articles within Journal-AWWA discuss source water protection efforts from many perspectives. These resources lay out an enormous amount of knowledge on source water protection.

Recognizing that limited resources or concerns over cost-effectiveness can limit utility involvement, there’s a renewed and expanding opportunity to gain significant new protections and leverage utility investment with other interested groups. By working with agriculture and the farm conservation programs associated with them, utilities can overcome these barriers through effective partnerships that include both multiple payors (so utilities aren’t encumbered by the entire cost) and multiple beneficiaries (to build sustainable projects that reach both source water and other environmental goals.)

Why agriculture?

There are many activities that potentially impact sources of drinking water. Traditional point sources defined in the Clean Water Act (such as power plants, factories, and wastewater treatment plants) make significant contributions to source waters, but also have considerable existing regulations and permit processes to help address downstream concerns. There may be room for improvement, and revisions to these regulations are often considered, but the system is in place and generally working. Many cities have made great strides in combined sewer overflows, nutrient reductions, and in other activities, despite much work that remains to be done. The same can be said about urban storm water systems, many of whom have made considerable progress addressing concerns in recent years, with the job continuing in most places.

Agriculture falls under a very different system. Considered a non-point source (no specific point of discharge) and exempted from most parts of the Clean Water Act, agricultural runoff is addressed primarily through voluntary measures. Much of the agricultural community runs on low margins, with prices for finished agricultural products being responsive to national and international markets. This means that even with the best of intentions to protect natural resources, many farmers can only do so much without financial and/or technical assistance. Recognizing this need, there’s an enormous investment

Opportunities continued on Page 21
in agricultural conservation already taking place. The Natural Resources Conservation Service (NRCS) in recent years has had roughly $4 billion per year to implement farm conservation, with the Farm Service Agency having roughly an additional $2 billion per year for the Conservation Reserve Program – meaning that farm conservation programs combined receive nearly $6 billion every year. Although there are examples of some of those funds going to help protect sources of drinking water, much like their urban counterparts, more remains to be done. Safe drinking water is vital to public health, and there’s an opportunity to help protect it through these programs, a huge win for everyone. The agricultural community can help its neighbors, the utilities can help control uncertainty and risk, and the public can enjoy safer and more resilient water supplies.

There are many recent examples of successful partnerships between water utilities and agriculture. Beaver Water District in Arkansas, and the City of Cedar Rapids (Iowa) have undertaken projects through the Regional Conservation Partnership Program (RCPP). New projects in North Carolina, Illinois, and Kansas are getting started with new projects. The recently announced Source Water Protection pilot of the National Water Quality Incentives program has sixteen watersheds being assessed for programs to help protect sources of drinking water.

What’s changing?

These USDA/NRCS programs are all authorized by the Farm Bill, a major piece of legislation that needs to be renewed by Congress every few years. The most recent one expired on September 30, 2018, and at the time this article was written, Congress was in a deadlock on how to proceed. Both the House and Senate have passed draft bills, but they differ in many ways. Although there are certainly differences within the conservation title, the biggest argument is over the future of the Supplemental Nutrition Assistance Program (SNAP, formerly known as food stamps). Congress may end up striking a deal or may end up extending the previous farm bill for an additional year to give themselves more time to work out a compromise.

There are four provisions in the draft farm bill from the House and three from the draft farm bill from Senate that AWWA has advocated for. Both draft bills include:

**Making source water protection a specific goal of the farm conservation programs.** Although improving water quality has long been a goal, protecting sources of drinking water has not been an explicit goal of the conservation programs. Although there are examples of source water protection activities throughout the conservation programs, for the most part it hasn’t been specifically targeted. Including this in the program goals means that source water protection will be a specific target and its use will be tracked to identify trends and opportunities.

**Include water utilities in the state and local committees that inform the conservation programs.** A considerable portion of these programs are informed by input from state and local groups. Just like how source water protection concerns vary by type of source and several characteristics of the source and system, conservation needs vary regionally and by type of agricultural production. Getting involved in the state technical committees and the local working groups is an important way to help direct conservation dollars towards source water needs.

**Increasing cost share of practices with great downstream benefit.** Many on-farm conservation measures have benefits both to some environmental goal while also increasing crop yield, reducing risks, or some other direct benefit to the farm. However, several of the practices that benefit source waters are likely to have little to no on-farm benefit. For this reason, even a federal 75% cost-share may not provide sufficient incentive for the producer to participate. For this reason, we’re seeking higher rates, such as a 90% federal cost share, with the option for utilities and other partners to pick up the remaining costs.

Of the two drafts, only the House version contains the last provision, focused on setting aside part of the conservation program funds specifically for source water protection:

**Dedicating 10% of most conservation funds to protecting sources of drinking water.** Since the use of conservation dollars to help protect sources of drinking water is not currently tracked, it’s hard to know how much is currently spent in aggregate, but we believe it is well under 10% of conservation dollars. If the final farm bill does include this set-aside, we do not yet know which conservation programs will be included, but we expect it to provide a significant boost for this goal for all applicable programs.

We can’t be certain what will be in the final bill until it passes into law. However, given most of these provisions are in both drafts of the bill, we’re very hopeful that at least some will become law, much to the benefit of drinking water supplies.

**Local engagement needed**

Despite being a federal agency, USDA programs administered by the NRCS are driven mostly at the local to state level. There are a series of state technical committees and local working groups, who inform the NRCS state conservationist.

**Opportunities continued on Page 22**

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and his or her staff in prioritizing and planning where funds will be spent locally. This makes sense, given the natural resources concerns in vegetable farming in California will likely be very different from those for cattle ranching in Texas or corn and soybeans in Illinois. Every state has agricultural producers, and many watersheds have at least some agricultural influence, especially given this definition includes not just crops but also other production such as livestock and timber-producing forestry. The challenges that utilities are facing that intersect with agriculture will also likely be different, be it nutrients, sediment, chemicals, or something else entirely. For this reason, utilities with source water concerns should be in touch with their NRCS state conservationist and their local soil and water conservation districts to explore both existing and emerging programs that might help to fit their needs.

AWWA has built tools to help, as described at the beginning of this article, and we welcome additional feedback on what else may be helpful moving forward. The Source Water Collaborative also has a toolkit for getting started working with USDA programs.

Ultimately, the success of source water protection initiatives through farm conservation efforts hinges on utility involvement to identify concerns, suggest measures that would be beneficial, work with partners, and be partners in addressing these concerns. By reaching out, engaging, and working with NRCS, conservation districts, and the greater agricultural community, the water sector can open many doors toward improved source water protection.

Adam T. Carpenter is the manager of energy and environmental policy at AWWA (www.awwa.org), Washington, D.C.
If you’re trusted to protect public health or the environment, we can help.

PA-AWWA Water For People Committee Events

**April 16-18, 2019**
PA-AWWA/DBIA Annual Conference
Silent Auction Benefitting Water For People
Hershey Lodge, Hershey, PA

**Summer 2019**
PA-AWWA Night at PNC Park
Benefiting Water For People

**September 2019**
12th Annual Water For People Charity Golf Outing

**September 8-11, 2019**
PMAA Annual Conference
Silent Auction Benefitting Water For People
Kalahari Resort, Pocono Manor, PA

**November 7, 2019**
14th Annual PA-AWWA Water For People Gala
Hosted by Stone Hill Contracting Co., Inc.
William Penn Inn, Gwynedd, PA

**Sponsorship Opportunities Available!**

For more information or to become a committee member, please contact
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One Water. One Commitment. One Firm.