

First Name	Last Name	Title
David	LaFrance	Chief Executive Officer
Jennifer	Sara	Global Director
Clifford	Chan	Senior Civil Engineer
Nathan	Ohle	
Cathie	O'Toole	General Manager
Rebecca	Zito	Acting Senior Manager of Public Affairs
Karen	Snyder	
Cristina	Ahmadpour	
Keisha	Thorpe	Tech. Svcs. Div. Mgr.
Kimberly	Reed	Director of Metering and Billing
Heidi	Hiraoka	

Brent	Alspach	Director of Applied Research
Monroe	Weber-Shirk	
Madjid	Mohseni	
Monroe	Weber-Shirk	
Madjid	Mohseni	

Yolanda	Grinstead	Special Council
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Sheau-Yun	Chiang	
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David	Crass	Government Relations Supervisor, Water and Wastewa
Marisa	Tricas	
Melanie	Holmer	
Ryan	Albert	Branch Chief

Shellie	Chard-McClary	
John	Lisle	
Wendy	Hovland-Henry	Public Affairs Strategist
Sarah	Rossetto	
Chi Ho	Sham	VP and Chief Scientist
Wendi	Wilkes	Water Policy Analyst
Pranjali	Kumar	
Jihyon	Im	
Amina	Stoddart	
Kevin	Morley	Environmental Policy Analyst
Christine	Herndon	
Ahmet	Ozman	
Jennifer	Heymann	
Karen	Debaker	
Mandy	Cawby	Director of Customer Relations
Michelle	Zrodowski	Chief Public Affairs Officer

Christina Montoya Halter
Jessica Bucciarelli
Lola Olabode Program Manager

Brent Alspach Director of Applied Research

Michael McKie

Michael McKie

Brent Alspach Director of Applied Research

Tad Bohannon Chief Executive Officer

Tad Bohannon Chief Executive Officer

Vessel

Charles Bott

Marisa	Tricas	Government Relations Supervisor, Water and Wastewa
Marisa	Tricas	Government Relations Supervisor, Water and Wastewa
Charles	Bott	
Keisha	Thorpe	Tech. Svcs. Div. Mgr.
Daniela	Machado	
John	McCarthy	Vice President

Kishia	Powell	
Lisa	Krentz	Associate

Steven	Buchberger	Professor
Bill	McDonnell	

Jacqueline	Torbert	Manager
Melissa	Meeker	

Chad	Seidel	Vice President
Mike	McGill	Owner
Megan	Vidis	
Janet	Rummel	Public Relations and Communications Officer
Richard	Rainey	
Amanda	Jones	
Cindy	Wallis-Lage	Director Wastewater Trtmt Tech
Theodore	Chapman	
Cameron	Parks	
Cindy	Wallis-Lage	Director Wastewater Trtmt Tech
Simoni	Triantafyllidou	Post-Doctoral Researcher
William	Rhoads	Postdoctoral Researcher
William	Rhoads	Postdoctoral Researcher

Robert	Cheng	Asst General Manager
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Chris Moody Regulatory Technical Mgr.

Christina Alito Process Engineer

Robert Cheng Asst General Manager
Chris Moody Regulatory Technical Mgr.

Christina Alito Process Engineer
Jon Freedman Global Government Affairs Leader

Karen Dettmer

John Etgen CEO
Kim Marotta

G. Tracy Mehan Principal

Jennifer McLain Branch Chief

Andrew Sawyers

Chi Ho	Sham	VP and Chief Scientist
Mary	Gugliuzza	Media Relations & Communications Coordinator
Samantha	Villegas	Senior Consultant
Tiffany	Hardy	

James	Cooper	Global Lead, Intelligent Water
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George	Demosthenous	Manager, Network Operations
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Paul	Westerhoff	Professor
Sergi	Garcia-Segura	
Bill	Becker	

David	Reckhow	Professor
Andi	Corrao	
Andi	Corrao	

Martin	Coghill	
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Shaun Pietig Mngr. Dist. Engineering

Chad Millner

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Will Pickering
Kelley Dearing Smith Vice President, Communications & Marketing
Cathy Bernardino Bailey Transition Manager
Trina McGuire-Collier Media Relations Manager
Seth Cutler
Gigi Karmous-Edwards

Biju George
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Philip Brandhuber

Rebecca Slabaugh Engineer

Melinda Friedman President

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Daniel Malz Senior Chemist

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Leigh Terry Assistant Professor

Leigh Terry Assistant Professor

Leigh Terry Assistant Professor

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Adam Carpenter Manager of Energy and Environmental Policy

Company	Street1	Street2
American Water Works Association World Bank	6666 W Quincy Ave 1818 H St NW # Ifcsk132	1818 H St NW
East Bay Municipal Utility District	375 11th St	
Rural Community Assistance Partnership	1701 K St NW Ste 700	
Halifax Regional Water Commission	PO Box 8388 Rpo Csc	
Pittsburgh Water and Sewer Authority Katz & Associates, Inc.	1200 Penn Ave Ste 100 555 W 5th Street Fl 35 1607 Cable St 2555 Gilberts Bch	
Louisville Water Company L.A. Department of Water and Power	550 S 3rd St 111 N Hope St	

Arcadis	5005 Golondrina Way Unit 72
Cornell University	220 Hollister Hall
University of British Columbia Dept. of Chem & Bio	2360 East Mall
Cornell University	220 Hollister Hall
University of British Columbia Dept. of Chem & Bio	2360 East Mall

New Orleans Sewerage & Water Board	625 Saint Joseph St # 233
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CDM Smith	3200 Windy Hill Rd SE Ste 210W
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Michael Best & Friedrich LLP	PO Box 1806
City of Roseville	2005 Hilltop Cir
	160 Rockmont Cir
US EPA Office of Water	1200 Pennsylvania Ave NW

Oklahoma Department of Environmental Quality	PO Box 1677
DC Water	5000 Overlook Ave SW
NV5	15092 Avenue Of Science #200
Katz & Associates	5440 Morehouse Dr Ste 1000
Eastern Research Group	110 Hartwell Ave Ste 1
Association of State Drinking Water Administrators	1401 Wilson Blvd Ste 1225
Carollo Engineers	200 E Robinson St Ste 1400
CDM Smith	32 Bennett Bridge Rd
Dalhousie University	1360 Barrington Street
American Water Works Association	1300 Eye St NW Ste 701W
Herndon Solutions Group	4001 S Decatur Blvd Ste 37-376
Black & Veatch	18310 Mont Vlg Ave Ste 750
Clean Water Services	4094 Hidden Enclave Ln NW
Water District No. 1 of Johnson County	2550 SW Hillsboro Hwy
	10747 Renner Blvd
Great Lakes Water Authority	735 Randolph St Fl 13

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Central Arkansas Water

PO Box 1789

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City of Roseville
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WaterPIO

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507 North Line Dr
5301 N Lakewood Ave

North Texas Municipal Water District
New Orleans Sewerage & Water Board
Town of Marana
Black & Veatch
S&P Global Ratings
Public Finance Department, Citi
Black & Veatch
US EPA
Virginia Polytechnic Institute & State University
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8400 Ward Pkwy
11511 Luna Rd Ste 500
444 S Flower St Fl 27
8400 Ward Pkwy
26 Martin Luther King Dr W
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PO Box 1058

American Water Works Association

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HDR

2650 Park Tower Dr Ste 400

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American Water Works Association

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US EPA

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US EPA Office of Wastewater Mgmt.

1200 Pennsylvania Ave NW

Eastern Research Group

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City of Fort Worth Water Dept
Raftelis Financial Consultants
Greater Cincinnati Water Works

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4747 Spring Grove Ave

Arcadis

222 S Main St Ste 200

Mueller Systems

48 Leona Dr.

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AZ State Univ Sch of Sustainable Eng & Built Env.
Arizona State University
Hazen and Sawyer

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PO Box 871006
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CDM Smith
CDM Smith

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703 Palomar Airport Rd Ste 300
703 Palomar Airport Rd Ste 300

San Diego County Water Authority

610 W 5th Ave

Water District No. 1 Johnson County

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City of Edina

7450 Metro Blvd

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Pittsburgh Water & Sewer Authority
Louisville Water Company
Greater Cincinnati Water Works
HDR Engineering, Inc.
Frost & Sullivan

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1200 Penn Ave Ste 100
550 S 3rd St
4747 Spring Grove Ave
1670 Broadway Ste 2300
1118 Monroe St NW Apt 1
828 Runnymede Rd

DC Water
Las Vegas Valley Water District
City of Houston

5000 Overlook Ave SW
1001 S Valley View Blvd
611 Walker St Fl 18

Bentley Systems, Inc.

3 Brian Pl

PO Box 3348

Arcadis

150 W Market St Ste 728

Confluence Engineering Group, LLC

517 NE 92nd St

Cornwell Engineering Group

712 Gum Rock Ct

Limnotech

501 Avis Dr

Cleveland Division of Water

1245 W 45th St

Aqua America, Inc.

762 W Lancaster Ave

AECOM

99 Commerce Dr

4348 Tamu 2010 Allen Building

IB Environmental

1000 Parkwood Cir SE Ste 900

Halifax Regional Water Commission

PO Box 8388 Rpo Csc

Madison Water Utility

119 E Olin Ave

City of Tucson Water

PO Box 27210

Tampa Bay Water

2575 Enterprise Rd

West Yost Associates

803 Parkview Ter

Black & Veatch
Arcadis

2231 E Camelback Rd Ste 250
100 E Campus View Blvd Ste 240

Health Canada

4838 S Coors Ct
269 Laurier Ave W 4903 D

Bluefield Research
American Water Works Association

PO Box 3348
192 South St Ste 550
1300 Eye St NW Ste 701W
450 K St NW Apt 903

Rogue Water
Rogue Water

329 S Main St Ste 101
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Ontario Water Works Association

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Arcadis

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Raftelis

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Moonshot LLC

5207 Portsmouth Rd

Great Lakes Water Authority
Let There Be Water LLC
HDR Engineering, Inc.

735 Randolph St Ste 1900
300 Central Park W Apt 7A
1670 Broadway Ste 2300

American Water Works Association

1300 I St NW STE 701W

Street3	City	State	Zip	Telephone
	Denver	CO	80235-3098	303.347.6135
	Washington	DC	20433-0001	202.473.3091
	Oakland	CA	94607-4246	510.287.1290
	Washington	DC	20006-1568	
	Halifax	NS	B3K 5M1	902.490.4840
	Pittsburgh	PA	15222-4216	412.676.6684
	Los Angeles	CA	90013-1010	
	San Diego	CA	92107-3313	760.707.8959
	Douglasville	GA	30135-8948	678.524.8558
	Louisville	KY	40202-1839	502.569.3603
	Los Angeles	CA	90012-2607	213.367.0896

Oceanside	CA	92057-4548	760.525.7216
Ithaca	NY	14853-3501	607.216.8445 x.607
Vancouver	BC	V6T 1Z3	604.822.0047
Ithaca	NY	14853-3501	607.216.8445 x.607
Vancouver	BC	V6T 1Z3	604.822.0047

New Orleans	LA	70165-6500	
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Atlanta	GA	30339-8583	404.720.1343
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Madison	WI	53701-1806	608.283.2267
Roseville	CA	95747-9704	916.225.1762
Sacramento	CA	95835-1504	
Washington	DC	20460-0001	202.564.0763

Oklahoma City	OK	73101-1677	405.702.8157
Washington	DC	20032-5212	
San Diego	CA	92128-3404	619.843.1851
San Diego	CA	92121-6701	858.926.4007
Lexington	MA	02421-3134	781.674.7358
Arlington	VA	22209-2329	703.812.2127
Orlando	FL	32801-1934	407.377.4337
Northwood	NH	03261-3309	603.608.8164
Halifax	NS	B3H 4R2	902.494.3109
Washington	DC	20005-3314	202.628.8303 x.6124
Las Vegas	NV	89103-5860	702.487.3895
Gaithersburg	MD	20879-3560	301.556.4387
Kennesaw	GA	30152-7782	304.533.1523
Hillsboro	OR	97123-9379	
Lenexa	KS	66219-9624	913.895.5546
Detroit	MI	48226-2830	313.618.0552

El Paso	TX	79925-6436	915.594.5596
Hillsboro	OR	97123-9379	
Alexandria	VA	22314-1445	703.684.2470 x.902

Oceanside	CA	92057-4548	760.525.7216
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Waterdown	ON	L8B 0A5	519.222.1241
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Waterdown	ON	L8B 0A5	519.222.1241
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Oceanside	CA	92057-4548	760.525.7216
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Little Rock	AR	72203-1789	501.377.1255
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Little Rock	AR	72203-1789	501.377.1255
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Virginia Beach	VA	23471-0911	
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Roseville	CA	95747-9704	916.225.1762
Roseville	CA	95747-9704	916.225.1762
Virginia Beach	VA	23471-0911	
Douglasville	GA	30135-8948	678.524.8558
Denver	CO	80202-5112	303.291.2274
Goshen	NY	10924-5421	201.398.4348

Washington	DC	20032-5212	
Tampa	FL	33602-3718	813.549.2120

Cincinnati	OH	45221-0071	513.556.3681
Los Angeles	CA	90012-3355	213.217.7693

Orlando	FL	32825-7600	407.254.9830
Alexandria	VA	22314-1448	571.445.5502

Louisville	CO	80027-2951	781.536.6666 x.123
Hampstead	NC	28443-2147	910.622.8472
Chicago	IL	60640-2208	
Wylie	TX	75098-4406	972.442.5405
New Orleans	LA	70165-6500	504.418.2848
Tucson	AZ	85743-9746	520.382.2670
Kansas City	MO	64114-2031	913.458.3603
Farmers Branch	TX	75234-6462	214.871.1401
Los Angeles	CA	90071-2971	
Kansas City	MO	64114-2031	913.458.3603
Cincinnati	OH	45220-2242	540.818.7425
Blacksburg	VA	24061-0001	
Blacksburg	VA	24061-0001	

Coachella	CA	92236-1058	760.398.2651
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Coachella	CA	92236-1058	760.398.2651
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Washington DC 20005-3362 202.326.6127

Vienna VA 22180-7306 214.457.9282

Coachella CA 92236-1058 760.398.2651

Washington DC 20005-3362 202.326.6127

Vienna VA 22180-7306 214.457.9282

Washington DC 20004-2407 434.227.0700

Milwaukee WI 53202-3677 414.286.2801

Montana State Univ MT 59717

Milwaukee WI 53208-2816 414.736.7670

Washington DC 20005-3362 202.326.6125

Washington DC 20460-0001 202.564.5248

Washington DC 20460-0001

Lexington	MA	02421-3134	781.674.7358
Fort Worth	TX	76102-6314	817.392.8253
South Riding	VA	20152-3614	571.577.7477
Cincinnati	OH	45232-1986	513.591.5059

Akron	OH	44308-1538	330.515.5709
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Middleboro	MA	02346	
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Tempe	AZ	85282-1843	602.628.4428
Tempe	AZ	85287-3005	480.965.2885
Tempe	AZ	85287-2132	480.434.4440
New York	NY	10018-6710	

Amherst	MA	01003-9293	413.545.5392
Carlsbad	CA	92011-1043	760.710.4662
Carlsbad	CA	92011-1043	760.710.4662

Escondido	CA	92025-4093	760.480.1991
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Lenexa	KS	66219-9624	913.895.5715
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Edina	MN	55439-3037	952.826.0318
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Greenwood Village	CO	80111-3044	
Pittsburgh	PA	15222-4216	
Louisville	KY	40202-1839	502.569.3695
Cincinnati	OH	45232-1921	513.591.7970
Denver	CO	80202-3690	720.251.9181
Washington	DC	20010-2040	202.294.6256
Raleigh	NC	27607-3106	919.274.0045

Washington	DC	20032-5212	513.244.5182
Las Vegas	NV	89107-4447	702.259.8284
Houston	TX	77002	832.395.2687

Nanticoke	PA	18634-2617	570.735.1368
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Boulder	CO	80307-3348	303.717.2457
Indianapolis	IN	46204-2562	317.236.2841
Seattle	WA	98115-2820	206.527.6832
Newport News	VA	23606-2524	757.873.1534 x.227
Ann Arbor	MI	48108-9799	734.332.1200
Cleveland	OH	44102-2201	216.664.3171
Bryn Mawr	PA	19010-3402	610.520.6321
Winnipeg	MB	R3P 0Y7	204.792.5017
College Station	TX	77843-0001	979.845.2138
Atlanta	GA	30339-2140	770.509.3887
Halifax	NS	B3K 5M1	
Madison	WI	53713-1431	608.266.9129
Tucson	AZ	85726-7210	
Clearwater	FL	33763-1102	813.442.9064
Golden Valley	MN	55416-3421	952.303.9905

Phoenix	AZ	85016-3482	
Columbus	OH	43235-4647	651.485.1775

Morrison	CO	80465-1072	
Ottawa	ON	K1A 0K9	613.941.2821

Boulder	CO	80307-3348	303.717.2457
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Boston	MA	02111-2741	
Washington	DC	20005-3362	202.306.9530
Washington	DC	20001-2968	972.765.1507

Fort Worth	TX	76104-1255	817.703.5003
Fort Worth	TX	76104-1255	713.392.8433

Mississauga	ON	L5G 1H9	416.231.1555
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Mississauga	ON	L5G 1H9	416.231.1555
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Austin TX 78703-4784 830.515.8037

Waterdown ON L8B 0A5 519.222.1241

Tuscaloosa AL 35487-0205 251.295.8936

Tuscaloosa AL 35487-0205 251.295.8936

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Tuscaloosa AL 35487-0205 251.295.8936

Waterdown ON L8B 0A5 519.222.1241

Denver CO 80235-3098 303.347.6135

Greenwood Village CO 80111-3044

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Session Title

Opening General Session - The Stars In My Soul: My Unlikely Journey Through Space & Time
Water Sector Leader Forum: New Priorities in a Post-COVID World

Panel Presenters:

Panel Presenters:

Panel Presenters:

Panel Presenters:

Two-Way Street – Building Trust with your Customers

TBD

TBD

Innovation Program or Innovation Culture?: A Conversation with Water Innovation Leaders

Panel Discussion

Panel Discussion

Panel Discussion

Q&A Session

Emerging Treatment Technologies
AguaClara: Conventional Treatment Radically Re-imagined
Biological Ion Exchange (BIX)
Q&A Session
Q&A Session

Legal and Operational Aspects of PFAS: A Conversation with Experts on What Water Utilities Need to Know Now

Panel Discussion

Panel Discussion
Next Steps in Integrating Potable Reuse into the Nation's Water Supply Portfolio
Panel Presenters:
Panel Presenters:

Panel Presenters:
How to Adapt in the Virtual Age

Panel Presenters:

Panel Presenters:

Panel Presenters:

In the Pursuit of Progress: Perspectives from Young Professionals

Panel Discussion

Panel Discussion

Panel Discussion

Blue Conduit

ATP and System Performance

ATP Dynamics in Drinking Water Distribution Systems

Implementing AWIA: Guidance, Frameworks and Source Water Protection

America's Water Infrastructure Act of 2018 - Now What?

A Practical Framework for Water Infrastructure Resilience

Benefits and Implementation of AWIA Source Water Provisions

Advancing the Ball on Communications (In the Time of COVID19)

Panel Presenters

Panel Presenters

Panel Presenters
Panel Presenters
The Mysteries of Microplastics

Understanding the Uncertainties of Microplastics in Drinking Water

Microplastics and the Frontiers of Analytical Chemistry

Q&A Session

Q&A Session

On the Nose – See The Nation’s First Water Leak Detection Dog In Action

Presenters

Presenters
Ozone Biofiltration Application in Potable Reuse and WIFIA Updates
TBD

TBD

Q&A

Q&A

What's the Next Big Step? Bringing Diversity and Inclusion into the Boardroom

Panel Presenters:

Panel Presenters:

Panel Presenters:

Water Conservation: Unintended Consequences, Unexpected Successes

Water Conservation Impacts on Commercial Building Water Quality

How CoVID-19 Improved Water Conservation Programming

NASA

TBD

TBD

EBMUD

Estimated Impacts of OCCT and Lead Reduction Plan Implementation on Lead Exposure at Denver Water Customers

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Keep Calm and Communicate Through Challenges: Utility Case Studies

Communicating Quality Through Proposed LCR Changes

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What if everything is a crisis?

Tackling Unregulated Compounds: Marana Water's Engagement Strategy

Financial and Asset Management Post Pandemic: The Changing Landscape for Water Utilities and the Sector

Panel Discussion

Panel Discussion

Panel Discussion

Building Return to Service

TBD

Panel Discussion

Staying Ahead of Regulatory PFAS Efforts

Framing the PFAS Issue

State and Federal Regulatory Updates

Source Water Evaluation Guidance

Q&A Session

Q&A Session

Q&A Session

Advancing Water Stewardship to Achieve SDG6

Panel Discussion

Panel Discussion

Panel Discussion

WSSC

Closing Session

Fireside Chat With EPA

Panel Presenters:

Panel Presenters:

Day Zero - What Did We Learn?

TBD

Trending in an Instant: The Importance of Risk Communications for Water Utilities

Trending in an Instant

Utility Insights into Risk Communications

Practical Applications of AI and IoT in Water Systems

Building a Business Case for Intelligent Water. Applications of AI and Digital Twins

Application of AI in Utilities to Make Smart Pipe Infrastructure Decisions

Questions & Answers

The Latest in PFAS Removal Technologies

The Evaluation of Alternative Technologies and Process Selection for PFAS Removal

TBD

TBD

New Developments in DBP Occurrence, Precursor Sources and Monitoring Tools

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Building a Business Case for Condition Assessment

Panel Presenters:

Panel Presenters:

Panel Presenters:

Panel Presenters:

The Dollars and Sense of COVID19

Panel Discussion

Panel Discussion

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Digital Twins: from Defined Vision to Strategic Implementation

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Panel Discussion

Complying with Revisions to LCR

Panel Discussion

Panel Discussion

Panel Discussion

TBD

Monitoring Harmful Algal Blooms

Monitoring Cyanobacteria with Real-time Sensors

Great Lakes Monitoring Systems Utilized to Predict Source Water Quality

Q&A

Leveraging Data To Benefit Asset Management

Making Data Visual and Useful to the Workforce to Increase the Adoption and Value of Asset Management - Part 1

Using Real Data Intelligently in Dekalb County to Balance Risk and Optimize Water Main Infrastructure Re-investment

A Picture of Water Affordability

Water & Sewer Affordability in the United States: Conditions and Trends

Affordability at the Local Level – How One Utility is Adapting

Lead and PFAS: Crisis Case Studies

TBD

TBD

TBD

Cybersecurity Risk Management and Statutory Obligations

A Day without SCADA; Is There an App for That?

Questions for Water Directors to ask SCADA Managers to Determine the Risk to the SCADA System
Balancing Risk: Continuity Planning in the Cyber Age
Q&A
Developing Guidance for Responding to Legionella in Water

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Manganese: Aesthetic Concern or Health Risk?
Manganese in Drinking Water: A New Guideline for Canadian Drinking Water Quality

Manganese Reconsidered: Aesthetic Concern or Public Health Risk?
Q&A
Non-revenue Water: Sizing the Cost of Water Losses to US Utilities
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Congressional Actions Impacting The Water Sector
Congressional Actions Impacting The Water Sector
House Energy and Commerce Committee Staff
Senate Environment and Public Works Staff
Q&A
Let's Be Social
Let's Be Social
TBD

TBD

Q&A

Emerging Biological Treatment Monitoring Tools

Putting the “Bio” Back in Biofiltration Monitoring

Biological Treatment: Organic Carbon Monitoring Best Practices and Emerging Tools

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Q&A

Q&A

Q&A

Closing Session - The Last Drop: Strengthening Trust in an Era of Mistrust

Panel Discussion

Panel Discussion

Panel Discussion

Panel Discussion

Consumer Perceptions on Tap: What We Can Learn and What We Can Do

Public Perceptions of Tap Water

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Consumer Perceptions on Tap: What We Can Learn and What We Can Do

Role

Moderator
Speaker

Speaker

Speaker

Speaker

Primary Author
Primary Author
Moderator
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Bio

Clifford C. Chan was appointed to serve as the 11th General Manager of the East Bay Municipal Utility District on June 9, 2020. In his role, he oversees delivery of high-quality drinking water to 1.4 million residents and businesses in 20 cities and 15 unincorporated communities in Alameda and Contra Costa Counties, as well as wastewater treatment for 650,000 of those same customers. As General Manager, he balances the continued demands of maintaining critical infrastructure and financial stability with innovation in sustainability and long-term water and wastewater planning.

Nathan Ohle serves as the Executive Director of the Rural Community Assistance Partnership (RCAP), a national non-profit focused on access to water and economic development for rural communities across the country. RCAP's work in assisting some of the smallest rural communities in the US helps to build capacity and opportunity in every state across the country.

Nathan has been a leader in economic development for more than a decade at both the federal and state levels. He previously served as the Senior Advisor at the US Economic Development Administration (EDA), overseeing policy and external affairs for the \$250 million agency. He also served as the lead for the US Department of Commerce on the White House Rural Council and the Administration-wide Community Solutions team, leading the engagement in place-based initiatives across the Department of Commerce. Nathan hails from Michigan where he spent more than a decade working in the public and non-profit sectors focused on policy, economic development and health issues, with a specific focus on rural communities.

When Cathie O'Toole became the General Manager of Halifax Water, she was the first female and the first non-engineer in that role in the company's history. After a lengthy national search, Cathie was considered the best candidate because of her leadership, vision, and superior management skills. Her appreciation and understanding of all aspects of Halifax Water's operations and customer focus made her the ideal person to lead this business into the future. Cathie worked for the Halifax Regional Municipality as their Director of Finance/CFO prior to moving to Halifax Water in 2011.

Cathie is an accomplished accounting professional with exceptional managerial skills. Throughout her career in high-profile public positions, she has been unfailingly successful at steering large and complex projects. She has also been a locus of positive organizational change in every position that she has assumed. Her talent for identifying areas of cost containment and efficiency, exceptional negotiation skills, emotional intelligence, and organizational foresight have earned her wide praise from those that work with her.

Brent earned both his BS and MS in Civil & Environmental Engineering from Cornell University, joining Arcadis in 1997 and serving as the company's Director of Applied Research. He currently Chairs the AWWA Water Quality and Technology Division Trustees and is an Associate Editor of the peer reviewed journal AWWA Water Science. He also Chaired/Co-Chaired the AWWA International Symposium on Potable Reuse in 2016, 2018, and 2020 and

YOLANDA Y. GRINSTEAD currently is the Special Counsel with the Sewerage and Water Board of New Orleans with an exceptional legal career that has spanned over 20 years in civil defense litigation. She is a native New Orleanian who is passionate about her commitment to the community. Ms. Grinstead received her Bachelor of Arts Degree in Sociology from Loyola University in New Orleans in 1989. She then was awarded her Juris Doctorate from Loyola University New Orleans College of Law in 1995, where she also received Certificates in International and Civil Law. Additionally, Ms. Grinstead served as a student practitioner with the Loyola Law Clinic in the area of immigration law.

Upon graduating from law school, Ms. Grinstead served as a law clerk under Chief Judge Yada T. Magee with the Civil District Court for the Parish of Orleans. Following her clerkship, Ms. Grinstead joined the Louisiana Department of Justice as an Assistant Attorney General where she litigated cases before administrative, state and federal courts. After her tenure as an Assistant Attorney General, Ms. Grinstead joined Bryan and Jupiter, APLC as an associate. Prior to joining the Sewerage and Water Board of New Orleans, Ms. Grinstead was an Assistant City Attorney with the City of New Orleans and worked in the Housing Law Department handling a multitude of transactional and real estate matters.

Ms. Grinstead is admitted to practice law in the State of Louisiana and is a member of the Louisiana State Bar Association, National Bar Association, Louis A. Martinet Legal Society, and Alpha Kappa Alpha Sorority, Inc. She also served on the Boards of Tulane University Paralegal Public Advisory Committee and the Loyola University Alumni Association.

Dora is technical strategy leader for emerging contaminants at CDM Smith. She holds a Ph.D. in Environmental Engineering from Georgia Institute of Technology and has over 25 years of experience in the areas of contaminated site investigation, remediation and water treatment. She has worked collaboratively with clients to build the understanding of emerging contaminants from sampling, analysis, site investigation, treatment, site management to long term O&M.

Dora is also very active on technology transfer with active roles in the company and the communities to share the state of the practice and technology innovation on emerging contaminants. She was invited editors on 1,4-dioxane special issue (Winter 2016) and PFAS special issue (Spring 2018) for Remediation Journal and she is also David's practice sits squarely at the intersection of the food-water-energy nexus. His work in the areas of environmental, regulatory, agricultural production, manufacturing and distribution, and renewable energy projects gives him the depth of experience necessary to counsel clients who will be feeding and powering a projected global population of nine billion people by 2050—at a time when resource scarcity and consumer

Shellie Chard-McClary has been the Water Quality Division (WQD) Director for the Oklahoma Department of Environmental Quality (DEQ) since January 2010. She is only the second person to hold the Director position in the history of Oklahoma DEQ, following the long tenure of Jon Craig.

Shellie received her bachelor's degree in Chemical Engineering and Biotechnology from the University of Oklahoma. Prior to becoming the Director of the WQD, she worked in multiple areas of the state water program and was the Assistant Director (and then later, the Division Director) for Administrative Services. Her job now oversees all of the clean water and drinking water compliance and permitting programs, as well as the DWSRF

Wendi is the Regulatory and Legislative Affairs Manager for the Association of State Drinking Water Administrators. Her work covers a range of issues including regulatory analysis under the Safe Drinking Water Act, water infrastructure funding, and Congressional relations. Prior to joining ASDWA, Wendi worked for the American Water Works Association's Government Affairs Office in Washington, DC as a policy analyst and at the Texas Commission on Environmental Quality where she served in the Office of Water. Wendi earned a Bachelor's
Pranjali is a project engineer with Carollo in their Orlando office. She got her Bachelors degree in Civil Engineering from India and Masters in Environmental Engineering from the University of Colorado in Boulder. She is registered as a Professional Engineer in the state of Florida, and has been in the water reuse industry for the past 5 years In her free time, Pranjali enjoys going on backpacking trips, hiking with her dog, and reading. She is passionate about creating open communication channels between young professionals and the rest of the water industry and is excited to be part of this panel today to speak on sharing best practices and what
Ji is an environmental engineer who specializes in drinking water treatment projects at CDM Smith. Her work is in the design of new water treatment facilities, existing plant upgrades, and studies for master planning, treatment evaluations, regulatory review, and water quality analyses. Much of her work includes a number of studies, design and construction projects to address PFAS in drinking water. She is an active volunteer for AWWA, presently serving as the Vice Chair of the AWWA's National Young Professionals Committee and as a

As Chief Public Affairs Officer, Zdrodowski guides GLWA's efforts to build and maintain its relationships with internal and external stakeholders.

She brings 30 years of strategic communications and community engagement experience to GLWA. Prior to joining GLWA, she served as Chief Communications Officer for Detroit Public Schools during a period of unprecedented challenge. Her public sector communications experience also includes serving as Deputy Press Secretary to former Detroit Mayor Dennis Archer. For more than a decade, she also led the nonprofit/government practice group for a Detroit-based PR agency.

Zdrodowski holds a Bachelor of Arts degree in Communications from Michigan State University. She serves on the Public Affairs Council of the American Water Works Association (AWWA), the Communications and Public

Christina Montoya-Halter has 20 years of media, communications and marketing experience. She is currently the Communications and Marketing Manager for El Paso Water, overseeing all media relations, public relations and outreach activities for the utility. Previously, she was an award-winning television news anchor and reporter in El Paso at the local NBC and ABC affiliates. Montoya graduated with a Bachelor of Arts from the University of Southern California.

Montoya serves as the Outreach Chair for WateReuse Texas and previously served on the AWWA Public Affairs Council. Her work in communications and public outreach has been awarded at local, state and national levels.

Brent earned both his BS and MS in Civil & Environmental Engineering from Cornell University, joining Arcadis in 1997 and serving as the company's Director of Applied Research. He currently Chairs the AWWA Water Quality and Technology Division Trustees and is an Associate Editor of the peer reviewed journal AWWA Water Science. He also Chaired/Co-Chaired the AWWA International Symposium on Potable Reuse in 2016, 2018, and 2020 and Michael is a Post-doctoral fellow in the Drinking Water Research Group at the University of Toronto, continuing research activities after completing his MSc (2015) and PhD (2019) with the group. He currently leads the Biological Drinking Water Treatment Publications subcommittee.

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Tad Bohannon is the recovering-lawyer-turned-CEO of Central Arkansas Water, Arkansas's largest public drinking water system. With almost half a million consumers, CAW serves one in seven Arkansans. Tad loves water, but he also loves connecting with others. He speaks around the world at summits and conferences. He previously taught as an adjunct professor at the William H. Bowen School of Law. He has more than two decades of experience with water and wastewater utilities. Tad oversees an operating budget of more than \$56 million – which he has put toward some of the largest and most visionary capital improvement projects in CAW history. These projects have fueled economic growth in the region by providing reliable access to some of the highest- TAD BOHANNON, CHIEF EXECUTIVE OFFICER, CENTRAL ARKANSAS WATER

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Vessel, a black lab, is North America's very first water leak detection dog. She has

worked at Central Arkansas Water since October 2019, where in her first six months on the job she had a 97 percent accuracy rate in identifying leaks in the utility's distribution system.

Kishia L. Powell joined DC Water in May 2020 and serves as the Authority's Chief Operating Officer and Executive Vice President, overseeing all operating departments, as well as the Customer Service and Administration clusters. Ms. Powell comes to DC Water from her previous role as Commissioner of the City of Atlanta's Department of Watershed Management, where she had served since June 2016. With expertise in sustainable infrastructure management and utility operations, she has leveraged 22 years of experience in both the public

research deals with urban water resources and hydrology with recent emphasis on estimating peak water demands in buildings including development of the Water Demand Calculator. Since joining the UC faculty in 1988, Steve has advised 65 graduate students, authored over 130 archived publications and directed \$11 million in research projects. Three of his students have won national best paper awards from the American Society of Civil Engineers. Steve earned his PhD in Civil Engineering at the University of Texas at Austin and is a Registered Professional Engineer in the State of Colorado

Robert Cheng is currently the Assistant General Manager at the Coachella Valley Water District and has worked at the Metropolitan Water District of Southern California and the Long Beach Water Department. Robert's background in the water industry includes water quality, operations, water resources, and utility management. He is currently is a member of AWWA's Water Utility Council and has been a long-time AWWA volunteer. Robert Cheng is currently the Assistant General Manager at the Coachella Valley Water District and has worked at the Metropolitan Water District of Southern California and the Long Beach Water Department. Robert's background in the water industry includes water quality, operations, water resources, and utility management. He is currently is a member of AWWA's Water Utility Council and has been a long-time AWWA volunteer.

Christina Alito leads HDR's One Water Institute – the applied water research arm of HDR. In her current role, Christina is responsible for developing and managing water research projects for complex drinking water issues, such as emerging contaminants, technology validation, and water quality management.

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Karen Dettmer, P.E. is the superintendent of the Milwaukee Water Works and oversees all aspects of the largest public utility operation in Wisconsin. She leads a team of over 300 professionals that treat and supply over 28.9 billion gallons of water annually to over 860,000 people in 16 communities in Milwaukee, Ozaukee, and Waukesha Counties.

Karen previously served as Public Works Coordination Manager for the City of Milwaukee. As licensed Professional Engineer in the State of Wisconsin, Karen serves on the board of The Water Council, on the Menomonee Valley Partners Board and is a member of the Wisconsin Brownfields Study Group. She is a member of the U.S. Water Alliance Water Milwaukee Learning Team.

John has been with the Project WET Foundation for 25 years. His work has spanned more than 75 countries. He holds a Master of Science degree in Science Education from Montana State University and Executive Leadership and High-Performance Leadership certificates from Cornell University. He is credentialed as a Professional Consultant by the Alliance for Water Stewardship (AWS) and currently serves as the Chair of the AWS Technical Committee. A former naturalist and environmental education specialist in Glacier National Park, he was awarded

Jennifer McLain, Ph.D., is the Acting Office Director of the Office of Ground Water and Drinking Water and has 20 years of experience at the U.S. Environmental Protection Agency (EPA) both in the Office of Water and in the Office of Pesticide Programs. Jennifer joined EPA after earning a Bachelor of Science degree from the University of Notre Dame and a Ph.D. in Chemistry from Princeton University.

Andrew Sawyers, Ph.D., is the Director of the Office of Wastewater Management (OWM) at the U.S. Environmental Protection Agency (EPA) in Washington, DC, where he oversees the management of the National Pollutant Discharge Elimination System (NPDES), the Clean Water Act's mechanism for the permitting of municipal and industrial discharge into surface waters of the U.S. In his role as the Director of OWM, Andrew is also responsible for multiple technical and financial assistance tools for the development and maintenance of the country's wastewater infrastructure, including WIFIA, the Clean Water State Revolving Fund, and EPA's Water Finance Center.

Previously at EPA, Andrew was the Deputy Director of the EPA's Office of Ground Water and Drinking Water. In that capacity, he worked with the Director to manage the implementation of the Federal Safe Drinking Water Act. Prior to EPA, he worked for the Maryland Water Quality Financing Administration, managing the State's

Mr. Cooper is an Associate VP at Arcadis and serves as their Global Leader for Intelligent Water. Jim earned an Executive Certificate in Artificial Intelligence: Implications for Business Strategy from MIT and maintains licenses and certifications in sustainability, project management, and water and wastewater plant operations. Jim is also a Professional Engineer in seven states, and currently serves as a Trustee of the Engineering & Construction Harvard educated entrepreneur with over a decade of experience in the water industry, specializing in enterprise SaaS, NRW, and virtual pipe condition assessment solutions. George is the founder and CEO of VODA.ai – an award-winning artificial intelligence company based in Boston.

Dr. Zaid Chowdhury is currently serving as the Water Treatment Practice Leader for Garver. He has more than 30 years of experience in the water treatment industry.

David Reckhow has been on the Faculty of the University of Massachusetts since 1985, and is currently professor of Civil & Environmental Engineering. His research interests include general aquatic chemistry, chemical oxidation of organic compounds in water, coagulation processes, removal of chemical pollutants in water, and aquatic organic matter in natural systems and drinking waters.

Martin Coghill is the Operations and Maintenance Manager for asset management at the San Diego County Water Authority.

With over 24 years of professional experience in the management, design and construction of numerous civil engineering projects both in the U.S. and overseas, Martin has been instrumental in the development and implementation of asset management practices related to the Water Authority's large diameter pipelines and associated facilities.

Martin holds a Bachelor of Engineering Degree in Civil Engineering from Heriot Watt University, Edinburgh, UK. He is a Chartered Civil Engineer, a Member of the Institution of Civil Engineers and a Member of the Institute of Asset Management. Martin established the San Diego branch of the IAM in 2016 to help foster asset

Shaun Pietig is the Manager of Distribution Engineering for WaterOne in Johnson County, KS. WaterOne is a quasi-municipality with a 7-member elected Board. Their sole purpose is drinking water supply serving most of Johnson County, KS, which has a population of about 450,000 for 18 municipalities on the KS side of the metropolitan Kansas City area. Their service territory covers 272 square miles with 145,000 service connections and a water production capacity of 200 MGD. WaterOne has approximately 2700 miles of pipe: 2500 miles of distribution mains (16" and smaller) and 200 miles of transmission mains (20" and larger). Shaun has worked for WaterOne for over 13 years with the majority of her career in Asset Management performing the condition assessment of transmission mains as well as prioritizing the distribution main replacement program. She now manages the Engineering and GIS Distribution Departments.

Prior to WaterOne she worked at Black & Veatch as a structural engineer in the Power Division. She graduated Chad Millner is the Director of Engineering of Edina, MN. Millner joined the City of Edina in June of 2012. Prior he worked for a local Minnesota civil engineering consulting firm in their municipal engineering group.

Millner holds degrees in Civil Engineering from the University of Minnesota and a Master of Business Administration from St. Cloud State University and is a licensed professional engineer in the State of Minnesota. He is an active member in a variety of professional organizations and volunteer endeavors.

Melissa Elliott's career is focused on helping water and wastewater utilities tell their stories. She is the Director of Strategic Communication Services at Raftelis where she consults with utilities across the country to provide communication planning, stakeholder engagement and risk communications. Prior to joining Raftelis, Melissa directed public relations departments at two large Colorado utilities--Denver Water and Aurora Water. Melissa is American Water Works Association's President-Elect. As a leader of the world's largest organization for water professionals, she is encouraging our industry to step up our game when communicating about the essential work we do. She says if we want others to understand our challenges, we must build relationships with the

Biju George serves the Authority as Executive Vice President, Operations and Engineering. In this capacity, he is responsible for the performance management of all operations and engineering work. Mr. George has more than 27 years of diversified technical and management experience. He is recognized as a leader in treatment technology and science, and is both published writer and a frequent speaker, and the past Assistant Superintendent of the 240 MGD Mill Creek Plant. Mr. George is the 2014 recipient of the Innovator of the Year Award from the U.S. Environmental Protection Agency. Mr. George has a bachelor's degree in mechanical

Tom Walski is senior product manager for water and wastewater products for Bentley Systems. He has authored several books and several hundred journal papers and conference presentations. He has worked on water distribution and wastewater collection systems of all size around the world. He has won numerous awards for his work such as the best distribution and plant operation paper in the Journal AWWA on three occasions. He has served as an executive director of the Wyoming Valley Sanitary Authority, engineering manager for Pennsylvania American Water, associate professor of environmental engineering at Wilkes University, an engineer with the Army Corps of Engineers and manager of distribution system operation for the City of Austin,

Phil specializes in drinking water quality and treatment. His work has involved inorganic contaminants, disinfection byproducts, potable reuse and brine management. Phil received his PhD from the University of Colorado Boulder, and has been the principal or co-principal investigator for ten research projects sponsored by the Water Research Foundation and other agencies. He is the current chair of the AWWA Inorganics Committee and past chair of the AWWA Emerging Water Quality Issues Committee. Phil has 20 years' experience as a consultant, working for McGuire Environmental and HDR. He is currently president of his own water quality consulting firm, Ms. Slabaugh serves as the Drinking Water Treatment Practice Lead at Arcadis. She brings over 12 years of experience engineering innovative solutions to drinking water quality, treatment and distribution system challenges, including those around emerging contaminants, regulatory compliance, treatment process selection and optimization, and water quality monitoring. She is a member of the AWWA Emerging Water Quality Issues Committee. Melinda Friedman is President of Confluence Engineering Group, LLC, (Confluence) located in Seattle, Washington. Melinda has many years of experience providing services related to source water and distribution system water quality evaluation, regulatory compliance, and optimal corrosion control treatment. She has participated in numerous research efforts and has helped to prepare many prominent industries Guidance Manuals published by the American Water Works Association (AWWA) and the Water Research Foundation. Dr. David Cornwell is CEO of Cornwell Engineering Group. He received his doctoral degree from the University of Florida where he is currently an Adjunct Professor. He is working closely with many utilities, the Water Research Foundation and AWWA on reducing lead levels in water at the home. Dr. Cornwell has over 50 publications, has served on many AWWA committees and is recipient of the A. P. Black Research Award and AWWA Honorary Member.

Dan Malz is a Chemist at Cleveland Water Department and is the Vice-Chair of the Water Quality Laboratory Committee and a member of the Emerging Water Quality Issues Committee for the American Water Works Association.

Chris Macey, P. Eng. is the Americas Technical Practice Leader for AECOM for Condition Assessment and Rehabilitation of Underground Infrastructure. With 40 years of experience Chris has considerable expertise in complex and very challenging rehabilitation projects. He has extensive knowledge of pipeline materials, pipe/soil interaction, pipeline deterioration processes, and material limit states. Chris graduated from University of

Manny Teodoro works at the intersection of politics, public policy, and public management. His research focuses on U.S. environmental policy and implementation, including empirical analyses of utility management, policy, finance, and environmental justice. He works on these issues directly with governments and water sector leaders across the United States. Professor Teodoro's research has been funded by the National Science Foundation and Stacey Isaac Berahzer is a water project consultant with over 17 years of experience. Through IB Environmental, she helps funders, nonprofits, utility companies, and communities fund and manage their water projects so they can make water clean and affordable. She specializes in policy related to water affordability and equity as well as

Andrew Ohrt is a Principal Technology Specialist with West Yost Associates. He is currently supporting numerous utilities across the U.S. build AWIA compliance and he is excited to help bring Idaho National Lab's cyber-

Jacques Brados is a CISSP and earned his MBA in Technology Management. He has been with B&V for six years providing cybersecurity and process control system programming. He provided technical guidance for the AWWA Cybersecurity Risk Assessment tool. Previously to B&V he spent nine years as the Technology Manager of the City of Glendale AZ Utilities Department. Jacques was a Navy Nuclear Electrician and served during Desert

Dr. Mark LeChevallier is the principal and manager of Dr. Water Consulting LLC, a part-time consulting business, after retiring from American Water at the end of 2017. Dr. LeChevallier received his Bachelor of Science and Master's degrees in Microbiology from Oregon State University, and his Ph.D. in Microbiology from Montana State University. Dr. LeChevallier has authored over 300 research papers and has received awards from the American Water Works Association for outstanding contributions to the science of water treatment. He was the recipient of the George Warren Fuller award in 1997 from the New Jersey section of the American Water Works Association, the Abel Wolman Award in 2012 and the A.P. Black award for research in 2015, both from the American Water Works Association. He currently serves on the Drinking Water subcommittee of the USEPA Science Advisory Board, the Water Science & Technology Board for the National Academy of Science and is a

Phil specializes in drinking water quality and treatment. His work has involved inorganic contaminants, disinfection byproducts, potable reuse and brine management. Phil received his PhD from the University of Colorado Boulder, and has been the principal or co-principal investigator for ten research projects sponsored by the Water Research Foundation and other agencies. He is the current chair of the AWWA Inorganics Committee and past chair of the AWWA Emerging Water Quality Issues Committee. Phil has 20 years' experience as a consultant, working for McGuire Environmental and HDR. He is currently president of his own water quality

Samantha Buch is the Programs Manager for the Ontario Water Works Association (a Section of AWWA). Samantha holds an Honours Bachelor of Arts in Communication Studies (specializing in Image, Politics, and Persuasion) from Carleton University. She started her career in the water industry working at a Water Treatment Plant in her hometown, then moving into the roles of Communications Coordinator, and Programs Manager at OWWA. Sam has a passion for communicating and connecting with members in the water industry through Social Media, and sharing her findings from a communication study she began in 2017 at the section. Samantha Buch is the Programs Manager for the Ontario Water Works Association (a Section of AWWA). Samantha holds an Honours Bachelor of Arts in Communication Studies (specializing in Image, Politics, and Persuasion) from Carleton University. She started her career in the water industry working at a Water Treatment Plant in her hometown, then moving into the roles of Communications Coordinator, and Programs Manager at OWWA. Sam has a passion for communicating and connecting with members in the water industry through Social Media, and sharing her findings from a communication study she began in 2017 at the section.

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Leigh is an assistant professor in the civil, construction, and environmental engineering department at The University of Alabama. Her current research areas focus on water quality and include biological filtration, disinfection by-product formation, organic matter characterization, trace constituents in drinking water sources such as pharmaceuticals and personal care products, life cycle assessment of sustainable drinking water treatment plants, environmentally-friendly deicing alternatives, storm water run-off, and STEM education for Leigh is an assistant professor in the civil, construction, and environmental engineering department at The University of Alabama. Her current research areas focus on water quality and include biological filtration, disinfection by-product formation, organic matter characterization, trace constituents in drinking water sources such as pharmaceuticals and personal care products, life cycle assessment of sustainable drinking water treatment plants, environmentally-friendly deicing alternatives, storm water run-off, and STEM education for Leigh is an assistant professor in the civil, construction, and environmental engineering department at The University of Alabama. Her current research areas focus on water quality and include biological filtration, disinfection by-product formation, organic matter characterization, trace constituents in drinking water sources such as pharmaceuticals and personal care products, life cycle assessment of sustainable drinking water treatment plants, environmentally-friendly deicing alternatives, storm water run-off, and STEM education for Leigh is an assistant professor in the civil, construction, and environmental engineering department at The University of Alabama. Her current research areas focus on water quality and include biological filtration, disinfection by-product formation, organic matter characterization, trace constituents in drinking water sources such as pharmaceuticals and personal care products, life cycle assessment of sustainable drinking water treatment plants, environmentally-friendly deicing alternatives, storm water run-off, and STEM education for Michael is a Post-doctoral fellow in the Drinking Water Research Group at the University of Toronto, continuing research activities after completing his MASc (2015) and PhD (2019) with the group. He currently leads the Biological Drinking Water Treatment Publications subcommittee.

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George Hawkins launched his innovation-focused enterprises Moonshot LLC and Moonshot Missions after stepping down as CEO and General Manager of DC Water, where he served for eleven years. George helps agencies identify and adopt strategies to deliver better service and lower cost.

George transformed DC Water into an innovative enterprise while tripling its investment in clean water. DC Water's innovations ranged from Green Infrastructure to a \$500 million investment in clean energy. DC Water issued the first century bond, first environmental impact bond, and spearheaded programs to support low income customers.

George serves on the National Infrastructure Advisory Council, which advises the White House. George is an advisor to Xylem, Inc. and is an Executive in Residence for XPV Water Partners. George serves on the Boards of the North American Electric Reliability Corporation and the US Water Alliance. George has served as a Senior Lecturer at Princeton University and an Executive in Residence for American University.

Mr. Hawkins also served as Director of the DC Department of the Environment and also served as Director of non-profit organizations and held positions with the USEPA and the firm Ropes & Gray.

George is a popular speaker on water, infrastructure and environmental issues. He has been the recipient of Sue F. McCormick is the Chief Executive Officer of the Great Lakes Water Authority (GLWA), a regional water and wastewater authority that services nearly 40 percent of the water customers (3.9 million people), and nearly 30 percent (2.9 million people) of the wastewater customers in the state of Michigan.

Prior to her appointment with GLWA, Ms. McCormick served as Director of the City of Detroit Water and Sewerage Department (DWSD), guiding it through major initiatives that resulted in cost savings, regulatory compliance and improved financial performance.

A native of Michigan's Upper Peninsula, Ms. McCormick earned a bachelor's degree from Lyman Briggs College at Michigan State University. She is an active member of AWWA, where she has served as an AWWA-Michigan Director and as an association Vice President, and on the Water Quality Board of the International Joint Commission. Ms. McCormick is currently serving on the Board of Directors for the Association of Metropolitan

Adam Carpenter serves as an expert and advocate on a diverse set of drinking water issues including source water protection, the energy-water nexus, cyanotoxins, climate change, consumer confidence reports, and other environmental policy concerns. Along with his colleagues, he works to further AWWA's mission of supporting clean, affordable drinking water through sound application of science into policy, sensible regulation, and public awareness. He holds a Ph.D. in environmental science and public policy from George Mason University.