Each year Uni-Bell PVC Pipe Association members come together for the Annual Meeting – the largest gathering of PVC pipe and fitting manufacturers in the world. Our guest speakers cover topics ranging from market assessments for PVC pipe, vinyl resin and related chemicals, to sustainability, technology, legislative affairs and product certification. The participants come from around the world, and their ranks include pipe and fitting manufacturers, resin and additive providers, equipment manufacturers, affiliated associations, and non-profit certification agencies.

**PRESENTATION TOPICS**

- The latest on PVC resin and pipe markets in North America and Europe
- Creating your own message and brand awareness
- More economical and ecological approaches to pipeline construction
- Opening up specifications for piping through advocacy
- Current status and future research in installation and rehabilitation using trenchless technologies
- An inside look at the American Chemistry Council’s multi-state lobbying strategy
- Water quality impacts of different pipe materials
- Driving value and continuous improvement through sustainability
- Corrosion control considerations for ductile iron pipe
- Why getting involved in the political process is key to opening up new markets for PVC pipe
- And much more...
THANK YOU TO OUR SPONSORS

GOLD SPONSOR

North American Pipe Corporation

SILVER SPONSORS

NORAC ADDITIVES

RAGGLESTICK
Pipe Packaging and Stacking System

RHEOGISTICS

Saul Ewing LLP

The Vinyl Institute

UNI-BELL’S MAJOR GOALS

MARKET SUPPORT
Identify, analyze and capitalize on opportunities to preserve and expand markets for PVC pipe.

ISSUES MANAGEMENT
Monitor and influence public issues that affect Association members.

TECHNICAL SUPPORT
Collect, interpret and disseminate technical information on industry products and their applications.

EDUCATION
Enhance knowledge and awareness of groups and individuals responsible for the promotion and use of PVC pipe.

STANDARDS & SPECIFICATIONS
Promote and assist in the development of standards, specifications and practices that encourage proper use of PVC pipe.

ORGANIZATIONAL RELATIONSHIPS
Maintain cooperative relationships and activities with allied organizations in pursuit of Uni-Bell’s mission.

INDUSTRY STATISTICS
Lawfully gather, consolidate and disseminate industry sales, marketing and production data.

NETWORKING & FORUMS
Encourage member interaction and understanding of issues and trends affecting the industry.

ORGANIZATIONAL COMPETENCY
Maintain an organizational structure that reflects the highest levels of volunteer and professional staff competency.
On Behalf of Uni-Bell’s Board of Directors, We Extend a Heartfelt Welcome to all Participants in Our 44th Annual Meeting!

Water and wastewater pipe demand in the U.S. is expected to grow 7.7 percent per year to $18.1 billion in 2018. Municipal end uses will continue to claim a majority of demand, while rebounding building construction will be the fastest growing market. PVC is the leading plastic resin in these market segments and is projected to remain so, with polyethylene (PE) pipe continuing as a minor player. PVC pipe demand is also expected to continue to rise more rapidly than old-technology ductile iron and concrete piping. Some experts are predicting double digit growth rates for PVC in large part at the expense of iron pipe that is not only failing due to corrosion but is increasingly associated with public health and safety issues.

It’s no surprise that PVC is the leading water and sewer piping material in North America. PVC pipe offers a broad range of attributes such as ease of handling and installation, long service life, watertight joints, low break rates, cost-effectiveness, flexibility, and resistance to degradation caused by biological attack, moisture, chemicals and corrosion – enhancing sustainability and reducing long-term maintenance and replacement costs. These qualities not only make PVC a better performing pipe but a safer one too! As awareness of asset management planning, life cycle costing and sustainability gain wider acceptance, PVC’s unrivaled combination of durability, efficiency, health and environmental benefits will result in even greater market growth for the PVC pipe industry.

We will continue to raise the standard for pipe performance and sustainability. The PVC Pipe Association and its members have undertaken the first industry-wide, peer-reviewed environmental product declaration (EPD) for water and sewer piping – independently reviewed and verified by NSF Sustainability, a division of global public health organization NSF International. This certification, which was developed in compliance with international environmental management guidelines (ISO 14025), helps municipalities meet their green infrastructure goals. The EPD identified several environmental advantages for PVC pipe such as its smooth interior surface, which minimizes friction and energy consumption, as well as its corrosion resistance and proven durability in excess of 100 years, requiring less frequent replacement.

Fully transparent EPD’s are useful sustainability assessment tools as utilities benchmark and measure a pipe’s environmental, economic and social impacts. When evaluating a pipe, however, it’s important to compare the life cycle impacts of all materials and processes used in the piping system. With legacy materials like ductile iron pipe, this includes a comprehensive assessment of its cement-mortar lining, polyethylene encasement, cathodic protection, anti-microbial biocides, corrosion inhibitors, etc. which are needed to reduce interior and exterior corrosion – all of which substantially increases a pipe’s environmental footprint. As well, recycled materials are not always greener, considering iron recycling uses tremendous amounts of energy and has the potential for higher levels of dioxin formation because of impurities in recycled metals, emitting a host of additional toxic materials such as lead, mercury, manganese, zinc, chromium compounds, etc.

This industry-wide effort to undertake an EPD and the accompanying life cycle analysis (LCA) reflects the resolve of Uni-Bell members to use science and economics to drive manufacturing and product improvements and to be leaders in environmental and water quality transparency reporting. We look forward to thought-provoking discussions with you at the Key Largo Bay Marriott Beach Resort in Florida. We are excited to work together to help PVC pipe reach a new threshold in pipe acceptance, performance and sustainability in North America.

With best regards,

Alain Storet
Vice Chair & Acting Chair

Bruce Hollands
Executive Director
OUR MISSION

Our mission is to promote the use of longer-life, lower-maintenance, corrosion-proof PVC piping in water and wastewater systems – for real sustainability, strength and long-term asset management.

INCREASING THE RESPONSIBLE USE OF PVC PIPE

- Expanding demand for PVC pipe products
- Consolidating PVC pipe industry efforts to promote its products
- Informing public opinion on PVC pipe use
ANTI TRUST GUIDELINES

The antitrust laws prohibit agreements or understandings between two or more individuals or businesses to regulate prices or quantities of goods or services, to allocate customers or territories, to hinder or limit a competitor or potential competitor's operations, or otherwise unreasonably restrain business activity. Discriminatory pricing or servicing is also prohibited, as well as monopolization or attempts to monopolize.

Violation of the antitrust laws is a felony and convicted individuals can be and have been imprisoned for up to three years. Corporations are subject to heavy fines. Violation of the antitrust laws can also lead to civil actions which can result in treble damages and attorneys' fees. Every individual should, therefore, follow these rules:

- **DO NOT** discuss your prices or competitors' prices with a competitor (except when buying from or selling to that competitor) or anything which might affect prices such as costs, discounts, terms of sale or profit margins.
- **DO NOT** agree with competitors to uniform terms of sale, warranties or contract provisions.
- **DO NOT** agree with competitors to divide customers or territories.
- **DO NOT** act jointly with one or more competitors to put another competitor at a disadvantage.
- **DO NOT** try to prevent your supplier from selling to your competitor.
- **DO NOT** discuss your future pricing, marketing or policy plans with competitors.
- **DO NOT** discuss your customers with your competitors.

WITH RESPECT TO ASSOCIATION ACTIVITIES

- **DO NOT** make any statements regarding prices or matters affecting prices at Association meetings.
- **DO NOT** make statements about your future plans regarding pricing, expansion or other policies with competitive overtones. Do not participate in discussion where other members do.
- **DO NOT** propose or agree to any standardization which will injure your competitor.
- **DO NOT** assume you are protected by informal advice from a government official.
- **DO** consult with the Association's legal counsel before speaking for the Association.
- **DO** alert Association staff and legal counsel to anything inaccurate or improper. This includes a position the Association has taken or intends to take or a meeting or activity of which you have learned.
- **DO** consult your own legal counsel or the Association's legal counsel before raising any matter which you feel might be sensitive.
- **DO** send copies to an Association staff member of any communications or documents sent, received or developed by you when acting for the Association.
- **DO** alert every employee in your Company who deals with the Association of these guidelines.
- **DO** leave any meeting where any of the foregoing topics are being discussed – and state why you are leaving.
- Do be conservative. If you feel an activity might be improper, do not do it.
Scott McGillivray is host and executive producer of the award-winning HGTV series, *Income Property*. Scott is also a real estate investor, contractor, entrepreneur, public speaker, author, and regular guest/expert contributor to print, radio, TV and other media, where he shares his practical advice on real estate investing, renovation and design. McGillivray’s influence and fan engagement has grown exponentially across social networks like Facebook, Twitter, Pinterest, Instagram and YouTube, with over 400,000 followers. He generated over 400 million media impressions across North America in 2014. Scott is very serious about helping homeowners obtain the best return on their home improvement investments. Materials that offer sustainability, cost-effectiveness, durability and style are key ingredients for success. That’s why Scott uses vinyl products in most of his home renovation projects. Vinyl is the standard in new housing and residential renovations alike because of its great durability and cost-effectiveness compared to traditional materials. The types of water and sewer piping used in residential districts are also important considerations for investors – high performance materials are critical for both homes and the infrastructure that supports them.
EVENT SPEAKERS

GREGORY M. BAIRD is President of the Water Finance Research Foundation and a former utility finance and asset management consultant with MWH Global Engineering. He has consulted at the national, state, county and local levels and has served as a municipal financial officer and utility CFO in California and Colorado. Mr. Baird is an advisor to the Government Finance Officers Association (GFOA) Economic Development and Capital Planning Committee for the U.S. and Canada. He continues to help train water professionals on the benefits of infrastructure asset management planning and investment, long-term funding and rate affordability. Mr. Baird is widely published nationally and internationally.

CRISTIAN BARCAN is Vice President, Sustainability and Industry Affairs at The Vinyl Institute (VI) where he leads the efforts of the Vinyl Institute’s Vinyl Value Chain Group and is a recognized expert in sustainability related business models for a wide range of industries. Mr. Barcan has over 20 years of experience in the chemical industry developing sustainability related business models for a wide range of products. He served as Vice President of Business Development at UL’s Information and Insights Division and spent 18 years at BASF in various business and sustainability leadership positions.

AINE CURRAN is President of the Vinyl Council of Canada and has over 20 years of experience in lobbying, media relations and crisis communications, representing firms like Arthur Andersen during the Enron crisis, telecommunications giant Rogers Communications, to global charities in need of revitalized fundraising campaigns. Aine began her career as producer/host of a local television program on politics and business.

DICK DOYLE is President and CEO at The Vinyl Institute. He spent 17 years at the American Chemistry Council and has extensive experience in association management, public affairs and in driving performance improvement throughout the U.S. manufacturing industry. His 15 years of experience in the plastic pipe industry.

AMSTER HOWARD is a pipe installation expert and author of Pipeline Installation 2.0, a manual for the construction of buried flexible pipe. Mr. Howard is a member of the American Society of Civil Engineers on pipeline installation and conducts investigations nationwide of buried pipe problems. Mr. Howard’s research and troubleshooting in pipe installation over the last 30 years for the U.S. Bureau of Reclamation resulted in the development of a table of “E prime” values that is used to estimate the deflection of buried flexible pipe. He is the principal author of many ASTM standards for soil testing and soil classification including a construction practice standard for plastic pipe.

ROBERT LUPIEN is Manager of Corporate Affairs at Montreal-based National Public Relations. Mr. Lupien is an expert in public affairs, communications, media and stakeholder relations and advises clients on how to optimize their public image, leverage brand equity and navigate the regulatory environment, especially in Quebec. Before joining National he was Vice President, Public Affairs at Cohn & Wolfe Montreal. Mr. Lupien started his career as a journalist and worked as a news director and news anchor.

MAYOR JOHN MARCHAND (LIVERMORE, CA) served six years on Livermore City Council before becoming the first elected mayor of Livermore in 2011. Mr. Marchand has a degree in Biological Sciences and taught marine biology and estuarine ecology before moving into the water and wastewater industry. corrosion. For over thirty years he has worked as a water quality chemist specializing in microbiology, organic chemistry and distribution system trouble shooting. John has co-authored three books for the AWWA's California-Nevada Section and served as Chairman of its Water Quality Division. For 15 years he was also a Board Member (and twice President) of the Zone 7 Water Agency in California.

DAVE MARSHKE has been Utilities Superintendent for the City of Burke for more than 18 years and was a Water Operator and Pipeline Weider for the San Diego Research Centers for Urban Underground Space. Mr. Marshke is a Certified Water Technician and W4 Water Operator License with the Michigan Department of Environmental Quality. Mr. Marshke has spearheaded Burton’s technical and engineering efforts to upgrade its water and sewer systems.

ANDRÉ NJUMLAND is Area Sales Manager Technology Licensing for the Far East and North America with Wavin Overseas B.V., a Dutch exporter of the Wavin Group, which delivers systems for drinking water supply, waste water discharge and storm water management, and licenses its technologies to partners around the globe.

MICHAEL POWER is Director of State Affairs, Southern Region with the American Chemistry Council (ACC). Mr. Power has 20 years of experience in the non-alcoholic beverage industry.

STEIN RAÆE is Global Business Director, Chlor-Alkali/Vinyls (CAV) at IHS Chemical and has over 30 years of experience as an international business executive and advisor for the oil and petrochemical industry. Mr. Raæe was chairman and senior partner for an international consultancy, where he focused on helping companies manage business growth in international market expansions, and served at Norsk Hydro in Norway for 25 years in a variety of global commercial and executive functions across the vinyls value chain.

WILLIAM S. SPICKELMIRE is President and owner of RUSTNOT Corrosion Control Services, Inc., and has more than 39 years of experience as a project manager in all facets of corrosion control. He is a certified NACE cathodic protection specialist, with expertise that includes rehabilitation, material selection and coatings, and has presented papers nationally and internationally. Bill has extensive experience in corrosion considerations, comparisons, risk assessments, life-cycle analysis and corrosion control requirements for different types of pipelines in a variety of soil conditions and project requirements. In 2008 – 2009 he served on the National Academics National Research Council Committee evaluating the Bureau of Reclamation’s “Corrosion Control Recommendations for Ductile Iron Pipe.” He is a Vice Chairman of the NACE TG 14 Committee for “Corrosion and Corrosion Control for Cast and Ductile Iron Pipe” and also served as Vice-Chairman at NACE’s 2013 “Corrosion and Corrosion Control of Cast and Ductile Iron Pipe” symposium.

RAY STERLING, PH.D., P.E., FASCE is Professor Emeritus at Louisiana Tech University. From 1995 to 2009 he was the Contractors’ Educational Trust Fund Professor of Civil Engineering and Director of the Trenchless Technology Center at Louisiana Tech University. He was also Founding Director of the Underground Space Center at the University of Minnesota and served as Chairman of the International Society for Trenchless Technology, President of the Associated Research Centers for Underground Space, and Chairman of the U.S. National Committee on Tunneling Technology. Dr. Sterling has authored almost 200 books, technical papers and reports on topics related to underground space use and construction, geotechnics and trenchless technology. He is currently Senior Editor of Tunneling and Underground Space Technology and a consultant for underground space projects in Singapore and Hong Kong.

MAYOR PAULA ZELENKO (BURTON, MI) was Councilor for the City of Burton, MI from 1991 to 2000 until being elected to the Michigan State House of Representatives where she served until 2006. In 2008 Paula was appointed and then elected onto Burton City Council. Ms. Zelenko became Mayor of Burton in 2011 where she has focused on improving the city’s aging road, water and sewer infrastructure, increase public safety and streamline city services. She worked formerly as a Capacity Assurance Coordinator for AC Spark Plug.
SUNDAY [2•21•16]
PRE-MEETING RECEPTION
5:30 PM - 6:30 PM @ Gus’ Beach

North American Pipe Corporation

MONDAY [2•22•16]
GENERAL MEETING SESSION
8:15 AM - 12:00 PM @ Largo Key Ballroom
Breakfast available from 7:15AM-8:15AM outside of the meeting room.

SPOUSAL ORIENTATION
9:00 AM - 10:00 AM @ Gus’ Patio

MEETING OF THE ASSOCIATE, INTERNATIONAL, LICENSING & CERTIFICATION/TESTING MEMBER COMMITTEE
12:00 PM - 12:30 PM @ Largo Key Ballroom

BOARD OF DIRECTORS’ MEETING & LUNCHEON
12:30 PM - 4:00 PM @ French Reef Room, 2nd Floor

WELCOME & NETWORKING RECEPTION
5:00 PM - 7:00 PM @ Gus’ Beach

TUESDAY [2•23•16]
GENERAL MEETING SESSION
8:15 AM - 11:50 AM @ Largo Key Ballroom
Breakfast available from 7:15AM-8:15AM outside of the meeting room.

UNI-BELL GOLF TOURNAMENT
12:00 PM - Meet outside hotel lobby

WEDNESDAY [2•24•16]
GENERAL MEETING SESSION
8:00 AM - 12:00 PM @ Largo Key Ballroom
Breakfast available from 7:00AM-8:00AM outside of the meeting room.

SOUTH TO KEY WEST
NORTH TO MIAMI

KEY LARGO BAY RESORT
Marriott

Meetings and Banquet Rooms

Elevators
Food & Beverage Outlets
Marine Facilities
Activities
Guest Facilities

A Main Lobby
F Gus’ Grille (Gus’ Patio)
B Sugar Loaf Key Building
H Breezer’s Tiki Bar & Grille
I Flipper’s Pool Bar & Grille
C Little Torch Key Building
K Marina/Dockage
M Boat Ramp
Y Heliport
Z Personal Watercraft dockage

Sales, Executive Catering Office
By The Way - Boutique

G Activities
Exercise / Fitness Center
Pirate Island Divers/It’s A Dive - Dive Shop
Pool/Whirlpool
Beach Volleyball
Children’s Activity Hut
Day Spa
Swimming Area/Beach
Wreck Room/Outdoor Games

Meeting and Banquet Rooms
Dolphin Reef
French Reef (2nd floor)
Molasses Reef (3rd floor)
Carysfort Reef (4th floor)
Upper Gus’
Upper Breezer’s
Largo Key Conference Center
Largo Key Ballroom

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NORTH TO MIAMI

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Marriott

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Marine Facilities
Activities
Guest Facilities

A Main Lobby
F Gus’ Grille (Gus’ Patio)
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H Breezer’s Tiki Bar & Grille
I Flipper’s Pool Bar & Grille
C Little Torch Key Building
K Marina/Dockage
M Boat Ramp
Y Heliport
Z Personal Watercraft dockage

Sales, Executive Catering Office
By The Way - Boutique

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Pool/Whirlpool
Beach Volleyball
Children’s Activity Hut
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Upper Breezer’s
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Largo Key Ballroom

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Upper Gus’
Upper Breezer’s
Largo Key Conference Center
Largo Key Ballroom
SCHEDULE OF EVENTS

MONDAY [2•22•16] CONTINUED
9:30 AM - 10:15 AM @ Largo Key Ballroom
PVC: KEY DRIVERS AND TRENDS, FEEDSTOCK’S OUTLOOK & WORLDWIDE ECONOMIC FACTORS
STEIN RAANE
GLOBAL BUSINESS DIRECTOR
CHLOR-ALKALI/VINYLs (CAV), IHS CHEMICAL
A look at capacity and demand in the global thermoplastics marketplace.

10:15 AM - 10:30 AM @ Largo Key Ballroom
BREAK

10:30 AM - 11:00 AM @ Largo Key Ballroom
UPDATE FROM THE EUROPEAN PLASTIC PIPE MARKET
ANDRÉ NIJLAND
AREA MANAGER
TECHNOLOGY LICENSING
FAR EAST AND NORTH AMERICA
WAVIN OVERSEAS B.V.
Status and outlook on PVC pipe in Europe, an update from the European Plastic Pipes and Fittings Association (TEPPFA) and new developments in PVC.

11:00 AM - 12:00 PM @ Largo Key Ballroom
KEYNOTE SPEAKER
THE IMPORTANCE OF SUSTAINABLE, COST-EFFECTIVE MATERIALS IN HOMES AND THE INFRASTRUCTURE THAT SUPPORTS THEM
SCOTT MCGILLIVRAY
CONTRACTOR, AWARD-WINNING TV HOST AND EXECUTIVE PRODUCER OF INCOME PROPERTY ON HGTV AND DIY NETWORK
With the personal mission to share his knowledge in real estate investing, renovation and design, Scott is very serious about helping homeowners obtain the best return on their home improvement investments and that’s why he uses vinyl products in most of his home renovation projects. Find out why cost-effective, durable materials are critical for both homes and the infrastructure that supports them.

Sponsored by
North American Pipe Corporation

MONDAY [2•22•16] CONTINUED
12:00 PM - 12:30 PM @ Largo Key Ballroom
MEETING OF THE ASSOCIATE, INTERNATIONAL, LICENSING & CERTIFICATION/TESTING MEMBER COMMITTEE
BRAD CORBETT, JR.
BOARD MEMBER/COMMITTEE CHAIR
S&B TECHNICAL PRODUCTS, INC.
Review of the role of the Committee and recommendations for future activities.

12:30 PM - 4:00 PM @ French Reef Room
BOARD OF DIRECTORS’ MEETING & LUNCHEON

SUNDAY [2•21•16]
5:30 PM - 6:30 PM @ Gus’ Beach
PRE-MEETING RECEPTION
Sponsored by
North American Pipe Corporation

MONDAY [2•22•16]
7:15 AM - 8:15 AM @ Largo Key Ballroom
BREAKFAST

8:15 AM - 9:00 AM @ Largo Key Ballroom
JOINT MEETING OF PIPE & RESIN PRODUCERS, ASSOCIATE, INTERNATIONAL, LICENSING & CERTIFICATION/TESTING MEMBERS
BRAD CORBETT, JR.
BOARD MEMBER
S&B TECHNICAL PRODUCTS, INC.
Introduction of attendees and new members, discussion of international travel.

9:00 AM - 9:30 AM @ Largo Key Ballroom
VINYL AND “E-MOTION:” BECOME THE ACTIVIST, NOT THE TARGET!
AINÉ CURRAN
PRESIDENT
VINYL COUNCIL OF CANADA
Digital media continues to prove that if you don’t take charge of your message, someone else will, and by that time turning the tide of public opinion will take a lot of money with little chance of reversing the damage. Instead, crafting and leading your own message (and one with emotion) will not only elevate your brand, but most importantly, will keep you engaged on trends and leave you poised to head off future attacks. See how Canada’s “Vinyl is Beautiful” Campaign is getting this done!

9:30 AM - 10:15 AM @ Gus’ Patio
SPOUSAL ORIENTATION
Light refreshments included

5:00 PM - 7:00 PM @ Gus’ Beach
WELCOME & NETWORKING RECEPTION
Sponsored by
North American Pipe Corporation

SOCIAL ACTIVITIES
9:00 AM - 10:00 AM @ Gus’ Patio
SPOUSAL ORIENTATION
Light refreshments included

5:00 PM - 7:00 PM @ Gus’ Beach
WELCOME & NETWORKING RECEPTION
Sponsored by
North American Pipe Corporation
TUESDAY [2•23•16]

7:15 AM - 8:15 AM @ Largo Key Ballroom
BREAKFAST

8:15 AM - 8:45 AM @ Largo Key Ballroom
THE LIMITATIONS OF PPI’S PACE PROGRAM FOR FATIGUE ANALYSIS OF PVC PIPES SUBMITTED TO CYCLIC TRANSIENT PRESSURES
LARRY GILL
MANAGER, CODES AND STANDARDS
IPEX MANAGEMENT, INC.

The Plastics Pipe Institute (PPI) developed an online computer program called PACE (Pipeline Analysis & Calculation Environment) which performs a simplified fatigue analysis on PE and PVC pipes. The program disregards the intensity of the transient in the design of the system and therefore underestimates the resistance of PVC pipes against fatigue failure. It also does not provide reliable results for the projected lifetime of PVC. A history of PACE will be presented as well as a comparison of a system design using PACE versus a thorough transient analysis.

8:45 AM - 9:15 AM @ Largo Key Ballroom
VI/PVCPA COLLABORATION TO GROW MARKETS FOR PVC PIPE
DICK DOYLE
PRESIDENT AND CEO
THE VINYL INSTITUTE (VI)

VI has just launched its new 2016 - 2019 Strategic Plan designed to further benefit the vinyl value chain and expand markets for vinyl products. Find out how VI and PVCPA are working together to drive the expansion of PVC pipe in a calculated research supported fashion.

9:15 AM - 10:15 AM @ Largo Key Ballroom
VALUE DRIVING STRATEGIC SUSTAINABILITY CONCEPTS
CRISTIAN BARCAN
VP SUSTAINABILITY & INDUSTRY AFFAIRS
THE VINYL INSTITUTE (VI)

Learn how sustainability helps and supports the PVC pipe industry as part of the new VI 2016-2019 strategy. Explore a balanced approach to sustainability focused on tangible end-product benefits, continuous improvement and addressing the needs of current and future generations.

10:15 AM - 10:35 AM @ Largo Key Ballroom
BREAK

10:35 AM - 11:05 AM @ Largo Key Ballroom
“NATIVE FLOWABLE FILL”: THE FUTURE OF PIPELINE INSTALLATION
AMSTER HOWARD
PIPELINE INSTALLATION EXPERT AND AUTHOR

A look at “Native Flowable Fill,” a more economical and ecological approach to pipeline construction which uses excavated soil from the trench mixed with cement as backfill around the pipe. Mr. Howard will discuss the mix design, mixing and placement equipment, testing, and inspection of this innovative installation method.

11:05 AM - 11:50 AM @ Largo Key Ballroom
CITY OF BURTON, MICHIGAN’S FIVE-YEAR PLAN TO REPLACE ITS IRON PIPING WITH SAFER, MORE COST-EFFECTIVE AND ENVIRONMENTALLY FRIENDLY PVC PIPE
MAYOR PAULA ZELENKO
CITY OF BURTON, MI
DAVE MARSHKE
UTILITIES SUPERINTENDENT, BURTON, MI

How the City of Burton, MI overcame significant political and financial hurdles in order to replace its corroded iron water network with longer-lasting, safer and greener PVC pipe. Reducing costly water main breaks and improving water quality were key reasons why the municipality chose to open its specifications and allow corrosion-proof PVC pipe. Using PVC instead of ductile iron pipe will save taxpayers almost $2.2 million when all five phases of Burton’s 19-mile iron pipe replacement project are completed. Funding is being provided by Michigan’s Drinking Water Revolving Fund and the project was recognized with the 2015 Innovation in Infrastructure Technology award from the Genesee County Metropolitan Planning Committee.

FREE EVENING

SOCIAL ACTIVITIES
1:00 PM - 6:00 PM @ Palmetto Golf Course
UNI-BELL GOLF TOURNAMENT
SHOTGUN & SCRAMBLE FORMAT
Pre-ordered box lunch available.
Meet outside hotel lobby at 12:00 PM.
WEDNESDAY [2•24•16] CONTINUED

9:15 AM - 10:15 AM @ Largo Key Ballroom
CORROSION CONTROL CONSIDERATIONS FOR DUCTILE IRON PIPE
WILLIAM S. SPICKELMIRE
PRESIDENT
RUSTNOT CORROSION CONTROL SERVICES, INC.
A comprehensive overview of ductile iron pipe corrosion control considerations as well as summary findings from the National Research Council Review of the Bureau of Reclamation’s Corrosion Control Guidelines and the final NACE TG 14 Corrosion and Corrosion Control of Cast and Ductile Iron Pipe document. The presentation will also include updates on what the ductile iron pipe industry is doing with the new V-Bio polyethylene encasement and zinc coatings. Copies of the 2012 NACE Appalachian Underground Corrosion Short Course paper on corrosion considerations from a consultant’s perspective, the 2013 NACE papers on the NRC Review of the Bureau Standards and the NACE TG 14 document summary that Mr. Spickelmire authored or co-authored will be provided.

10:15 AM - 10:30 AM @ Largo Key Ballroom
BREAK

10:30 AM - 11:00 AM @ Largo Key Ballroom
USING THE PVC PIPE LIFE CYCLE ANALYSIS (LCA) AND ENVIRONMENTAL PRODUCT DECLARATION (EPD) TO INCREASE MARKET SHARE
GREGORY M. BAIRD
PRESIDENT
WATER FINANCE RESEARCH FOUNDATION
The PVC pipe industry LCA report is the first of its kind and sets the new benchmark for evaluating underground piping systems in North America based on a 100-year life cycle. Conducted according to internationally recognized ISO 14040 series standards and peer reviewed, the LCA study was combined with an ISO 14025 compliant EPD which was independently certified and verified by NSF International. With the completion of these reports the PVC pipe industry has demonstrated its continued commitment to product safety, transparency and sustainability. This presentation will discuss the environmental benefits of PVC pipe, provide a comparative review of competing pipe products, and show how utilities can use life cycle attributes when selecting piping to meet their green infrastructure goals in the design, construction, operation and maintenance of their pipe networks.

11:00 AM - 11:30 AM @ Largo Key Ballroom
ADVOCATING FOR OPEN COMPETITION FOR UNDERGROUND PIPING AT THE STATE LEVEL
MICHAEL POWER
DIRECTOR, STATE AFFAIRS, SOUTHERN REGION
AMERICAN CHEMISTRY COUNCIL
An inside look at the American Chemistry Council’s multi-state lobbying strategy which aims to open up competition in markets for piping materials in the U.S. Find out about the challenges and tactics being faced at the political level and what your company can do to assist in the efforts.

11:30 AM - 11:55 AM @ Largo Key Ballroom
TRENCHLESS TECHNOLOGIES: NO LONGER THE NEW KID ON THE BLOCK
RAY STERLING, PH.D., PE. FASCE
PROFESSOR EMERITUS
LOUISIANA TECH UNIVERSITY
This talk will review the development, current status and future research in installation and rehabilitation using trenchless technologies. The presentation will include a summary of the findings from a multi-year EPA study on the condition of various sewer rehabilitation technologies after in-service lives of up to 34 years. It will also discuss how to improve education, training and technology transfer within the utility sector.

11:55 AM @ Largo Key Ballroom
CLOSING REMARKS
ALAIN STORET
VICE CHAIR & ACTING UNI-BELL CHAIR
CONCLUSION OF ANNUAL MEETING

PLEASE NOTE THERE IS NO LONGER A GRAND FINALE DINNER. THE ANNUAL MEETING NOW ENDS AT 12:00 NOON.
BOARD OF DIRECTORS

VICE CHAIR & ACTING CHAIR

ALAIN STORET
Pipelife Jet Stream, Inc.
17000 South Lincoln Street
PO. Box 190
Siloam Springs, AR 72761
[P] (479) 373-6801
[F] (479) 524-3516
alain.storet@pipelife.com

PAST CHAIR

VESO SOBOT
Ipex Management, Inc.
6810 Invader Crescent
Mississauga, ON L5T 2B6
[P] (905) 705-6113
[F] (905) 670-1512
veso.sobot@ipexasa.com

TREASURER

JOHN BRITTON
Diamond Plastics Corp.
1212 Johnstown Road
Grand Island, NE 68803
[P] (308) 384-4400
[F] (308) 384-9345
jebrighton@dpcpipe.com

EXECUTIVE DIRECTOR

BRUCE HOLLANDS
PVC Pipe Association
2711 LBJ Freeway
Suite 1000
Dallas, TX 75234
[P] (972) 243-3902 ext. 1019
[F] (972) 243-3907
bhollands@uni-bell.org

LEGAL COUNSEL

GEORGE E. (NED) RAHN, JR.
Saul Ewing LLP
3800 Centre Square West
Philadelphia, PA 19102
[P] (215) 972-7165
[F] (215) 972-1855
nrahn@saul.com

EXECUTIVE DIRECTOR

PVC Pipe Association
2711 LBJ Freeway
Suite 1000
Dallas, TX 75234
[P] (972) 243-3902 ext. 1019
[F] (972) 243-3907
bhollands@uni-bell.org

POLLING CHAIR

LANCE GRUNDHOFER
Covestro
8533 W. Lincoln Ave.
Milwaukee, WI 53223
[P] (414) 450-3183
[F] (414) 450-2381
lgrundhofer.covestro.com

POLLING CHAIR

TIM KELLY
IPS
4630 Research Parkway
Chesapeake, VA 23320
[P] (757) 324-3370
[F] (757) 324-3379
timkelly@ipsinc.com

POLLING CHAIR

DAVID L. RASMUSSEN
The Hillman Company
300 Lankershim Blvd.
North Hollywood, CA 91608
[P] (818) 605-8500
[F] (818) 605-8520
drrasmussen@hillman.com

POLLING CHAIR

DAVID W. WOOLARD
Lafarge
2001 LBJ Freeway
Dallas, TX 75247
[P] (214) 968-1300
[F] (214) 968-2160
dwoolard@lafarge.com

POLLING CHAIR

ALLAN J. ZEITZ
Equistar
1931 West Culver Street
Fort Worth, TX 76107
[P] (817) 566-2141
[F] (817) 287-0692
allan.zeitz@equistar.com

POLLING CHAIR

DR. ROBERT H. ZOEHR
AMERIPPipe
1000 Abernathy Drive NE
Suite 1200
Atlanta, GA, 30328
[P] (770) 351-4186
simon.bates@axiall.com

ROBIN BYRD
Sanderson Pipe Corp.
875 International Boulevard
Clarksville, TN 37040
[P] (931) 221-4800
[F] (931) 221-4830
robin-b@sandersonpipe.com

CHUCK CLARK
JM Eagle
5200 West Century Blvd.
10th Floor
Los Angeles, CA 90045
[P] (310) 693-8200 ext. 7301
[F] (209) 983-0883
chuckclark@jmeagle.com

BRAD CORBETT, JR.
S&B Technical Products, Inc.
1300 East Berry Street
Fort Worth, TX 76119
[P] (817) 923-3344
[F] (817) 923-1339
bcorbettjr@sbttechprod.com

MATT SIEGEL
National Pipe & Plastics, Inc.
3421 Old Vestal Road
Vestal, NY 13850
[P] (607) 729-9381
[F] (607) 729-6130
msiegel@nationalpipe.com

DICK DOYLE
The Vinyl Institute
1747 Pennsylvania Avenue NW
Washington, DC 20006
[P] (202) 765-2280
[F] (202) 765-2275
ddoyle@vinylinfo.org

GRANT EVANS
OxyVinyls, LP
5005 LBJ Freeway
Suite 2200
Dallas, TX 75244
[P] (972) 404-3615
[F] (972) 720-7410
evans@oxy.com

RENEE HAVERILLA
North American Pipe Corp.
2801 Post Oak Blvd.
Suite 600
Houston, TX 77056
[P] (713) 585-2819
rhavilla@westlake.com

S&B TECHNICAL PRODUCTS, INC.
1300 East Berry Street
Fort Worth, TX 76119
[P] (817) 923-3344
[F] (817) 923-1339
bcorbettjr@sbttechprod.com

The Vinyl Institute
1747 Pennsylvania Avenue NW
Washington, DC 20006
[P] (202) 765-2280
[F] (202) 765-2275
ddoyle@vinylinfo.org

BHAVERILLA
North American Pipe Corp.
2801 Post Oak Blvd.
Suite 600
Houston, TX 77056
[P] (713) 585-2819
rhavilla@westlake.com

S&B Technical Products, Inc.
1300 East Berry Street
Fort Worth, TX 76119
[P] (817) 923-3344
[F] (817) 923-1339
bcorbettjr@sbttechprod.com

The Vinyl Institute
1747 Pennsylvania Avenue NW
Washington, DC 20006
[P] (202) 765-2280
[F] (202) 765-2275
ddoyle@vinylinfo.org

BHAVERILLA
North American Pipe Corp.
2801 Post Oak Blvd.
Suite 600
Houston, TX 77056
[P] (713) 585-2819
rhavilla@westlake.com
ATTENDEES
BY COMPANY

A
- ADVANCE EQUIPMENT COMPANY
  TUMWATER, WASHINGTON
  RICHARD HOVERTER
  rh@advance-equip.com
- AKCROS CHEMICALS, INC.
  NEW BRUNSWICK, NEW JERSEY
  PEGGY SCHIPPER
  peggy.schipper@akcros.com
- AMERICAN CHEMISTRY COUNCIL
  ATLANTA, GEORGIA
  MICHAEL POWER
  michael_power@americanchemistry.com
- AMERICAN MAPLAN CORPORATION
  A BATTENFELD-CINCINNATI COMPANY
  MCPHERSON, KANSAS
  GRANT R. FLAHARTY
  flaharty.g@battenfeld-cincinnati.com
- CINCINNATI MILACRON, LLC
  BATAVIA, OHIO
  BRIAN MARSTON
  brian_marston@milacron.com
  TIM NEWHART
  tim.newhart@milacron.com
- CITY OF BURTON
  BURTON, MICHIGAN
  DAVE MARSHKE
  d.marshke@burtonmi.gov
  MAYOR PAULA ZELENKO
  p.zelenko@burtonmi.gov
- CITY OF LIVERMORE
  LIVERMORE, CALIFORNIA
  MAYOR JOHN MARCHAND
  jpmarchand@cityoflivermore.net
- CONSULTANT
  LAKewood, COLORADO
  AMSTER HOWARD
  amsterk@comcast.net
- CONTECH ENGINEERED SOLUTIONS
  WEST CHESTER, OHIO
  BOB KERR
  bkerr@conteches.com
- CSA GROUP
  INDEPENDENCE, OHIO
  RAMIRO MATA
  ramiro.mata@csagroup.org
  TORONTO, ONTARIO, CANADA
  FRANCO DIFOLCO
  franco.difolco@csagroup.org
- DIAMOND PLASTICS CORP
  GRAND ISLAND, NEBRASKA
  DENNIS E. BAUER
  dbauer@dpcripe.com
  RONALD R. BISHOP
  rbishop@dpcripe.com
  JOHN E. & SHARON BRITTON
  jebritton@dpcripe.com
- THE DOW CHEMICAL COMPANY
  FORT WORTH, TEXAS
  VERNON & LINDA WEBER
  vwebber@dow.com
- EBAA IRON SALES, INC.
  EASTLAND, TEXAS
  JIM & LESLIE KEFFER
  jimk@ebaa.com
  WILLIAMSTON, SOUTH CAROLINA
  DAVE & PAM EKDAKSTEIN
  davee@bellsouth.net
- FORMOSA PLASTICS CORP.
  LIVINGSTON, NEW JERSEY
  ROGER DININGER
  rdeininger@fpcusa.com
  DICK HEINLE
  dheinle@fpcusa.com
- GALATA CHEMICALS
  ROCK HILL, SOUTH CAROLINA
  TODD HORN
  todd.home@galatachemicals.com
- HONEYWELL INTERNATIONAL, INC.
  MORRISTOWN, NEW JERSEY
  MICHAEL A. & KAREN CALICCHIO
  michael.calicchio@honeywell.com
  MARK & KATHERINE UNGAR
  mark.ungar@honeywell.com
  SPRING, TEXAS
  JOEL T. SUTER
  joel.suter@honeywell.com
- IHS, INC.
  LONDON, ENGLAND, UNITED KINGDOM
  STEIN RAEE
  stein.raee@hs.com
- IPEX MANAGEMENT, INC.
  MISSISSAUGA, ONTARIO, CANADA
  VESO SOBOT
  vesosobot@ipexna.com
- KIBBECHEM, INC.
  ELKHART, INDIANA
  GLEN KIBBE
  gkibbe@kibbechem.com
  SHANNON RICE
  srcs@kibbechem.com
  TONY & LOIS WILLIAMS
  yankees2a2@verizon.net
- LOUISIANA TECH UNIVERSITY
  MINNEAPOLIS, MINNESOTA
  RAY STERLING
  sterling@latech.edu
- MAXSEAL, INC.
  CHULA VISTA, CALIFORNIA
  ALAN GUZOWSKI
  aguzo@tsicr.com
  LAFAYETTE, COLORADO
  GARY (COUNTRY) CLINE
  country@max-seal.com
- MOLECOR TECH
  FUENLABRADA, MADRID, SPAIN
  IGNACIO MUÑOZ
  ignacio.munoz@molecor.com
- MCGILLIVRAY GROUP, INC.
  TORONTO, ONTARIO, CANADA
  SCOTT MCGILLIVRAY
  allison@mcgillivraygroup.com

Speaker  New Member  Guest
PVC PIPE:
THE NUMBER ONE PIPING MATERIAL

The PVC Pipe Association (PVCPA) provides members and their customers with engineering design assistance and up-to-date technical information to ensure long-lasting performance of PVC pipe for buried water, sewer, force main, reclaimed, drainage and irrigation markets. PVCPA is an important industry stakeholder and utilities, consulting engineers and contractors are encouraged to use PVCPA-member manufactured PVC pipe products for quality assurance as well as technical and installation support.

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KEY LARGO BAY MARRIOTT BEACH RESORT
103800 Overseas Highway
MM 103.8
Key Largo Florida 33037

WWW.UNI-BELL.ORG