

November 21, 2018

## FEATURE ARTICLE

### ICPI Launches Boot Camp Instructor Training ICPI



Instructor training for ICPI Boot Camps will launch next week with a series of three one-hour webinars. Individuals interested in teaching Boot Camps are required to be active ICPI Certified Concrete Paver Installers and complete the webinar series:

- [ICPI Boot Camp Logistics – November 27 \(click to register\)](#)
- [Teaching the Classroom Portion of Boot Camp – November 29 \(click to register\)](#)
- [How to Teach Novice Installers – December 3 \(click to register\)](#)

Recorded versions of the webinars will also be available on demand one day after the live webinars. If you are interested in becoming a Boot Camp instructor, please [click here](#) and complete the linked form.

ICPI Boot Camps can be held starting on December 4. ICPI member companies interested in hosting ICPI Boot Camp must enlist an approved Boot Camp instructor. A list of approved Boot Camp instructors will be available in the afternoon on December 3 and updated regularly on the [ICPI Boot Camp](#) webpage. For more information about sponsoring a Boot Camp, visit [www.icpi.org/BootCamp](http://www.icpi.org/BootCamp).

## ICPI NEWS

### ICPI Conducting Academic Instructor Training in the Northeast ICPI

ICPI is conducting an Academic Instructor Training event on December 8-9, 2018 in Waltham, Massachusetts. This event is designed to train secondary and post-secondary instructors to teach the ICPI Concrete Paver Installer (CPI) course as a part of their landscaping or horticulture courses. Students completing the CPI course through these programs can then work toward earning their ICPI certification by gaining experience installing concrete pavers.

The benefits of having the CPI course incorporated into secondary and post-secondary programs are twofold. First, to expose students to an industry that they might not know about but may enjoy. Additionally, to promote ICPI certification, which is an industry credential or badge, which will bring positive recognition for the students as well as giving them the knowledge of industry best practices they can implement in their work.

Do you know of an instructor who might benefit from this training? Send their contact information to ICPI Director of Education and Workforce Development Merry Beth Hall at [mhall@icpi.org](mailto:mhall@icpi.org) and she will send registration information for this event and future instructor training events.

## Session at The Buildings Show in Toronto Focuses on PICP Design and Construction ICPI



**Permeable Interlocking Concrete Pavement Design and Construction Session at The Buildings Show in Toronto**

Robert Bowers, P.Eng., Director of Engineering for the Interlocking Concrete Pavement Institute, will present "Design and Construction Check List for Permeable Interlocking Concrete Pavement" at The Buildings Show on Wednesday, November 28 from 9-10 a.m. at the Metro Toronto Convention Centre.

Sales of permeable interlocking concrete pavement systems have increased steadily in North America as municipalities, corporations, and homeowners implement stormwater management solutions, according to the ICPI Industry Sales Profile.

Mr. Bowers' presentation at The Buildings Show will cover what to check during permeable interlocking concrete pavement (PICP) construction projects. The content will include:

- Pre-construction meetings
- Submittals
- What to verify in excavation
- Soil compaction
- Subbase/base
- Edge restraints



Metro Market Rip Shopping Center  
Burnaby, BC



Chamblee, GA

In addition, he will review detailed inspection of materials and installation of bedding aggregates, concrete pavers and jointing aggregates, as well as surface infiltration testing, project closeout and site protection.

The presentation offers one continuing education credit for the Ontario Association of Architects (OAA).

To register, visit:  
[www.microspec.com/reg/TBS2018](http://www.microspec.com/reg/TBS2018)

About Interlocking Concrete Pavement Institute  
ICPI is the trade association representing the growing industry of segmental concrete pavement systems in the United States and Canada. The association's membership includes producers, contractors, suppliers, design professionals, and distributors. ICPI is the authority for concrete pavers, which are universally recognized as the best value for pavement systems. The association delivers education and technical guidance leading to awareness, acceptance and use of segmental concrete pavement systems in the United States and Canada.

ICPI, P.O. Box 1150, Uxbridge, ON L9P 1K4, Canada (705) 657-6900, [www.icpi.org](http://www.icpi.org) or [icpi@icpi.org](mailto:icpi@icpi.org)

Robert Bowers, ICPI's Director of Engineering, will present, "Design and Construction Check List for Permeable Interlocking Concrete Pavement," at The Buildings Show on Wednesday, November 28 from 9-10 am at the Metro Toronto Convention Centre.

The presentation will cover what to check during permeable interlocking concrete pavement (PICP) construction projects. The content will include pre-construction meetings, submittals, and what to verify in excavation, soil compaction, subbase/base, and edge restraints. It will provide detailed inspection of materials and installation of bedding aggregates, concrete pavers and jointing aggregates, as well as surface infiltration testing, project closeout and site protection. The presentation offers one continuing education credit for the Ontario Association of Architects (OAA). To register, visit <https://www.microspec.com/reg/TBS2018/>.

## Early Bird Renewal Pricing for Certified Concrete Paver Installers Ends November 30 ICPI



For Certified Installers whose certifications expire on December 31, 2018, the early bird deadline that gives you a \$25 discount on renewing is almost here! If you are not sure when your certification expires, visit the Verify a Certified Installer search on the ICPI website or check your Certified Concrete Paver Installer certificate and ID for your expiration date. Please make sure to send your completed renewal payment form and Continuing Education Tracking Form in by November 30 to qualify. Any renewals sent in after the December 31 deadline will incur a late fee of \$25 aside from the regular renewal fee.

Additionally, ICPI has updated its Lapsed Certification policy. Starting during the 2018 Certification Renewal period, a \$25 fee will apply per year late, up to five years. Additionally, all certifications that have lapsed for five or more years will need to retake the course and exam.

## ICPI Concrete Paver Installer Course to be Held at World of Concrete 2019 ICPI

An ICPI Concrete Paver Installer Course will be held during World of Concrete 2019 on January 22-23 at Harrah's Las Vegas.

The two-day course equips attendees with classroom training to properly install interlocking concrete paving systems per industry established guidelines. Job planning, soil characteristics, compaction, base materials, bedding and joint sands, concrete paver installation and maintenance are covered plus safety, estimating, job costing and contract basics.

For more information or to register for the course, click [here](#).

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## 2018 Canadian Activities Meeting Addresses Ongoing Key Initiatives

ICPI



The ICPI Canadian Activities Meeting took place on Monday November 5, 2018 at the Delta Airport Hotel in Toronto, ON. This meeting was renamed to recognize that it is a combination of the Canadian Planning Meeting and the Canadian Government Relations Subcommittee Meeting. Thirty-one members attended, in addition to Kristina Hausmanis, guest speaker from the City of Toronto, Andrew Pask, AP Public Affairs, and Charles McGrath and Robert Bowers from ICPI staff. [More](#).

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## Registration for the 2019 ICPI Annual Meeting and 25<sup>th</sup> Anniversary Celebration is Now Open

ICPI



Registration is now open for the 2019 ICPI Annual Meeting and 25<sup>th</sup> Anniversary Celebration on March 3-6 in Charleston, SC. The ICPI room block at the host hotel, the Belmont Charleston Place, is open and rooms can be reserved once you have completed your registration for the meeting. Please note that this is an anniversary event which includes two nights of celebration (including the black tie optional gala) and meeting registration fees have been updated to reflect this. Visit [www.icpi.org/2019AnnualMeeting](http://www.icpi.org/2019AnnualMeeting) for more information.

Meeting Sponsorships are now available in addition to the 25<sup>th</sup> Anniversary Sponsorship opportunities. To view the available sponsorship opportunities, please click [here](#). Please return your company sponsorship commitment form by no later than Friday, February 8 to be included in the event marketing and promotions.

We look forward to celebrating the ICPI 25<sup>th</sup> Anniversary with you in Charleston, March 3-6!

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## Post-Election and Lame Duck Interim – Update on ICPI Government Relations Initiatives

ICPI

Nearly all issues of interest to ICPI are in a period of change-over. The midterm elections have been held, but the vote counting is not yet complete. The lame duck session has begun, but the most important issues remain to be addressed. Even the future leadership in the House remains uncertain and none of the House or Senate committee chairs have been selected, nor the rank and file Members of each Committee have been assigned. [More](#).

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## ICPI Welcomes a New Online Education Coordinator

## ICPI



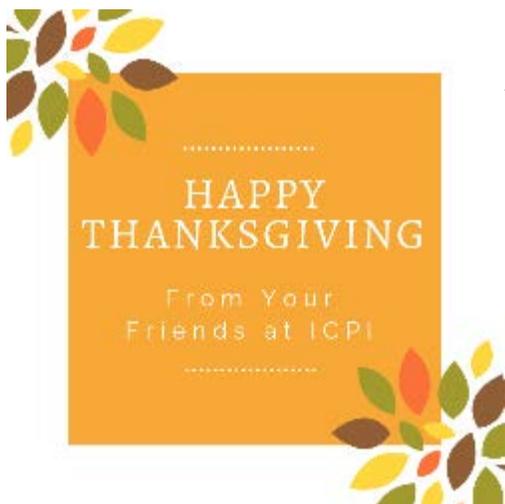
Michael Wright is ICPI's new Online Education Coordinator. Michael has ten years of customer service and association management experience. During that time, he has worked for the National Contract Management Association, Apple, Banfield Pet Hospital and the Leesburg Animal Park. He has conducted association training seminars for members on topics such as leadership succession, member retention and marketing strategies. Additionally, he trained and coached new employees on Apple products, sales and communication techniques. His online experience includes managing over 100 association chapter web sites as well as webinars utilizing WebEx.

Michael graduated with a Bachelor of Arts in English from George Mason University.

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## Happy Thanksgiving from ICPI!

### ICPI



ICPI would like to wish a Happy Thanksgiving to all our U.S. members!

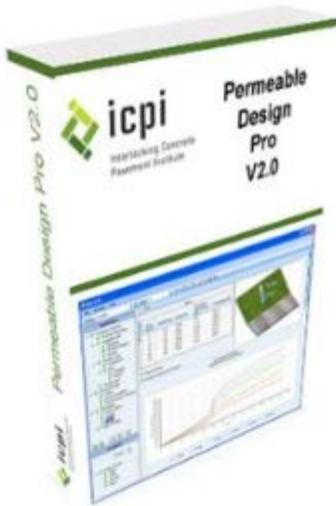
The ICPI headquarters in Chantilly, VA will be closed Thursday, November 22 – Friday, November 23. The office will re-open on Monday, November 26.

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## Did You Know? Permeable Design Pro Software Program Available for Free for Design Professionals

### ICPI

ICPI producer members and Commercial Technical Promotion (CTP) Team members each have a promotional code and can now provide a free copy of the Permeable Design Pro software to their design professional customers. For more information on the Commercial Technical Promotion Team, please contact Bryan Horr, EIT, Manager of Technical Development & Market Promotion at [bhorr@icpi.org](mailto:bhorr@icpi.org).



## MEMBER NEWS

### Sika Acquires the Global Concrete Fibers Division of Propex Holding, LLC

Sika



Sika has acquired the global Concrete Fibers business from Propex Holding, LLC, which includes a US plant manufacturing synthetic fibers for use in concrete reinforcement, sales operations in Sika's three geographical regions, and a strong brand. The acquired business is a perfect addition to Sika's concrete systems for high value-added solutions required in the construction of high-rise buildings and demanding infrastructure projects. The acquired business generates annual sales of CHF 30 million. [More](#).

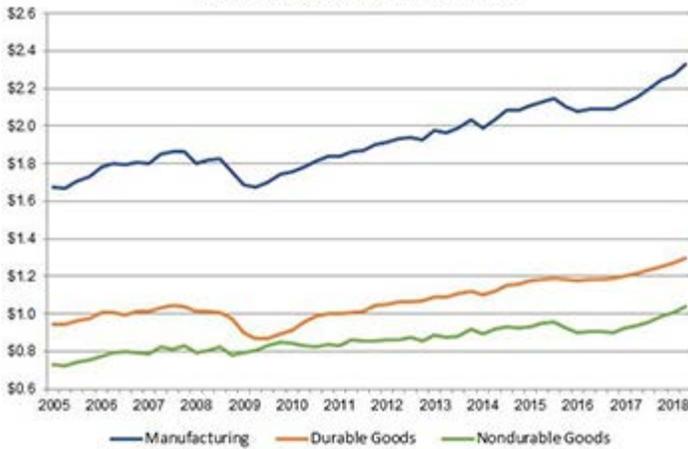
## GOVERNMENT/ECONOMIC INDICATORS

### Manufacturers Exhibit Robust Growth, Especially for Jobs and Wages

NAM

Manufacturers [added](#) 32,000 workers in October, with 296,000 employees generated in the sector over the past 12 months. That translates into nearly 25,000 workers per month added in the manufacturing sector over the past year—a healthy pace that speaks to the strength in the economy and the overall outlook. In the larger economy, nonfarm payroll employment rose by

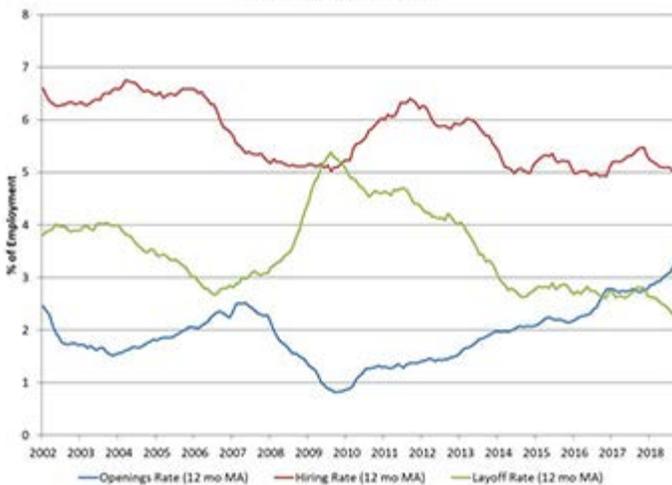
**Manufacturing's Value-Added Contributions to the U.S. Economy, in Trillions of Dollars**



250,000 in October, well above the consensus estimate of around 180,000. The unemployment rate remained at 3.7 percent, the lowest since December 1969. [More.](#)

## Open Construction Jobs Decline Off Cycle High NAHB

**Construction Labor Market**

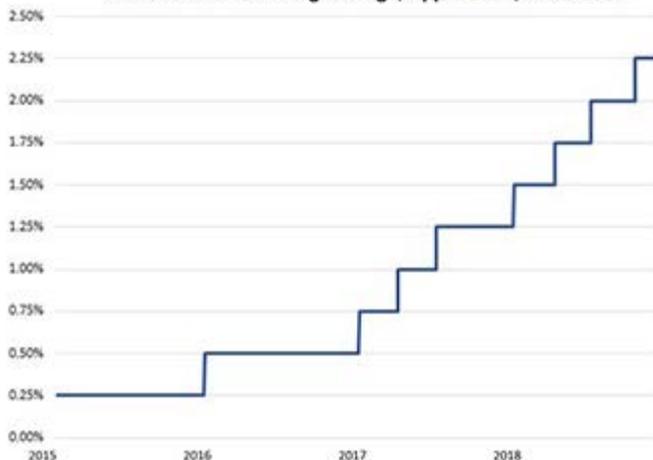


The count of unfilled jobs in the construction sector pulled back in September, off an upwardly revised August estimate that marked a post-recession high.

According to the BLS Job Openings and Labor Turnover Survey (JOLTS) and NAHB analysis, the number of open construction sector jobs decreased to 278,000 in September. The August estimate of open construction jobs was revised up to 317,000, the largest count since the Great Recession. [More.](#)

## Federal Reserve Poised to Hike Rates in December, Largely on Labor Market Strength NAM

**Federal Funds Rate Target Range, Upper Limit, 2015–2018**



The Federal Reserve [left interest rates unchanged](#), as expected, but the Federal Open Market Committee is widely anticipated to hike short-term rates at its December 18–19 meeting. The Federal Reserve not only noted slowing business investment, but it also continued to acknowledge overall strength in the U.S. economy, especially the tight labor market. [More.](#)

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## 370,000 Veterans Seeking Jobs

NAM



There are currently 370,000 veterans looking for a new job – and manufacturing may be the answer.

Learn more about The Manufacturing Institute's Heroes Make America Program. [More.](#)

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## What the Election Means for Manufacturing

NAM

Following last week's historic midterm elections, the NAM remains well positioned to build on the significant progress of the past two years. The political landscape of the 116th Congress is changing, but as NAM Senior Vice President of Policy and Government Relations Aric Newhouse wrote in a [Shopfloor](#) blog post shortly after the elections, "There is no industry better positioned to be the deciding force on any issue in the next Congress, which is an enviable place to be." Newhouse noted that manufacturers "have the public's support, we have bipartisan respect, and we have a voice that is as strong today as it was yesterday." The new Congress will not mean gridlock for manufacturers, as the industry has a history of achieving bipartisan legislative wins in a divided government. In an [op-ed](#) for Yahoo Finance, NAM President and CEO Jay Timmons laid out manufacturers' post-partisan agenda, calling for completion of the U.S.–Mexico–Canada Agreement, securing passage of a bold [infrastructure plan](#), repairing the broken immigration system, [developing](#) the modern workforce and protecting Americans' retirement. During Yahoo Finance's All Markets Summit on Tuesday, Timmons [stressed](#) the importance of getting China back to the negotiating table. And on [CNBC](#) last week, he highlighted bipartisan agreement on infrastructure, saying, "You heard candidates of all political stripes talking about the importance of improving America's infrastructure and that is really good news for the American people, and it's great news for manufacturers." Recent [polling from the NAM](#) found that 71 percent of self-identified manufacturing voters want to see members of Congress compromise on their political positions if that means reaching lasting solutions. Timmons [called](#) on policymakers to "listen to manufacturing voters, reach compromises, achieve solutions and build a future worthy of the next generation."



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# INDUSTRY BUZZ

Improving Restorative Maintenance Practices for Mature Permeable Interlocking Concrete

## Pavements

### MDPI



(a)



(b)

Permeable Interlocking Concrete Pavements (PICP) are a Low Impact Development (LID) technology that reduce the total volume of stormwater discharge and peak flows from urban hardscapes. Over time, particulates accumulate in the PICP joints, decreasing the pavement's surface infiltration capacity and negatively affecting its overall functionality. Maintenance with two surface treatment technologies, a hand-held power brush and pressure washer-used in combination with vacuum street sweepers were compared to maintenance with vacuum street sweepers alone at four PICP parking lots. [More](#).

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## Getting There: The Future of Pavement

### The Spokesman-Review

If this seems at all random, it's not. It's part of a trial the city is doing to test the viability of such permeable, pervious and porous pavement, which all allow water to seep through, rather than run over the surface.

"It's an experiment, a pilot," said Marcia Davis, a principal engineer with the city's integrated capital management program. "We're checking for durability and maintenance. How do we maintain it? Is it going to wear out quicker? And how well will it clean the stormwater?" [More](#).

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## Your Go-To Small Business Marketing Guide for 2019

### Buffer

According to the U.S. Small Business Administration, an incredible two-thirds of small business owners and entrepreneurs (66%) are personally responsible for three or more areas of their business, including marketing. [More](#).

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# ICPI CALENDAR OF EVENTS



Date	Event	Location
November 27-28	Concrete Paver Installer Course – ICPI Northern California Chapter	Reno, NV
November 29-30	Concrete Paver Installer Course – Expocrete	Langley, BC
December 4-5	Concrete Paver Installer Course – R.I. Lampus Company	Pittsburgh, PA
December 6	Residential Specialist Course – R.I. Lampus Company	Pittsburgh, PA
<b>2019</b>		
January 8-9	Concrete Paver Installer Course – Belgard	Cincinnati, OH
January 9-10	Concrete Paver Installer Course – Indiana Green Expo	Indianapolis, IN
January 11-12	Concrete Paver Installer Course – Montana Nursery and Landscape Association	Billings, MT
January 14	PICP Specialist Course – North Carolina Nursery and Landscape Association	Greensboro, NC
January 14-15	Concrete Paver Installer Course – North Carolina Nursery and Landscape Association	Greensboro, NC
January 17-18	Concrete Paver Installer Course – Sauder's Hardscape Supply LLC	New Holland, PA
January 22-23	Concrete Paver Installer Course (during World of Concrete) – ICPI	Las Vegas, NV
January 23-24	Concrete Paver Installer Course – Nicolock	Frederick, MD
January 23-24	Concrete Paver Installer Course – Watkins Concrete Block	Omaha, NE
January 23-24	Concrete Paver Installer Course – CPM Oldcastle	Clackamas, OR
January 31	PICP Specialist Course – Adams Oldcastle	Gatlinburg, TN
February 6-7	Concrete Paver Installer Course – Belgard	Atlantic City, NJ
February 6-7	Concrete Paver Installer Course – Gagne & Son Concrete Block, Inc.	Portland, ME
February 13-14	Concrete Paver Installer Course (Spanish) – Nicolock and Sislers Stone	Falls Church, VA
February 13-14	Concrete Paver Installer Course – Techo-Bloc	Woburn, MA
February 19-20	Concrete Paver Installer Course – Nicolock	Mahwah, NJ
March 1-2	Concrete Paver Installer Course – Anchor Block	Minnetonka, MN
March 3-6	ICPI 25th Annual Meeting (2019)	Charleston, SC
March 5-6	Concrete Paver Installer Course – Techo-Bloc	St. Lewison, ME
March 12	PICP Specialist Course – Alliance for the Chesapeake Bay	Washington, DC
March 20-21	Concrete Paver Installer Course – Winnipeg Construction Association	Winnipeg, MB
April 1-7	ICPI & NCMA Bauma Tour	Dublin, Ireland
April 8-14	Bauma	Munich, Germany
August 26-29	2019 ICPI Summer Meeting	Minneapolis, MN
October 16-18	2019 Hardscape North America Trade Show	Louisville, KY

To check out more ICPI Events, click [here](#).

Date	Webinar/Presenter	Time
November 27	ICPI Boot Camp Logistics – Robert Bowers, P Eng., Director of Engineering – ICPI; Merry Beth Hall, Director of Education and Workforce Development – ICPI	1 pm EST
November 29	Teaching the Classroom Portion of the Boot Camp – Robert Bowers, P Eng., Director of Engineering – ICPI; Frank Gandora, President – Creative Hardscape	1 pm EST
December 3	How to Teach Novice Installers – Robert Bowers, P. Eng., Director of Engineering – ICPI; Frank Gandora, President – Creative Hardscape	1 pm EST
December 4	Competitive Advantages of Concrete Pavers Over Other Products – Andrew Vear, Managing Director – PaverBright NV LLC	1 pm EST
December 11	OSHA Required Workers Respirable Silica Testing – Robert Bowers, P. Eng., Director of Engineering – ICPI	1 pm EST
<b>2019</b>		
January 10	Super-Size Your Sales! – Gary Ross, Director of Sales, Training & Coaching – Oldcastle APG	1 pm EST
January 22	How to Successfully Work Along with Your Inspector – Bryan Horr, Manager of Technical Development and Market Promotion – ICPI	1 pm EST

To check out more ICPI Webinars and On-Demand Learning options, click [here](#).



## TRENDING ARTICLES

### Missed last week's issue?

- [Did You Know? ICPI Member Contractors Can Earn Free Continuing Education Hours](#)
- [Using Concrete to Trap Greenhouse Gases](#)
- [Reduces Long Range Costs](#)

Don't be left behind. Click [here](#) to see what you missed.

### About Interlocking Concrete Pavement Institute

ICPI is the trade association representing the growing industry of segmental concrete pavement systems in the United States and Canada. The association's membership includes producers, contractors, suppliers, design professionals, and distributors. ICPI is the authority for concrete pavers, which are universally recognized as the best value for pavement systems. The association delivers education and technical guidance leading to awareness, acceptance and use of segmental concrete pavement systems in the United States and Canada. For more information, visit [www.icpi.org](http://www.icpi.org).

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