



CONCRETE  
MASONRY &  
HARDSCAPES  
ASSOCIATION

# 2024

## ANNUAL REPORT



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# LETTER FROM THE CHAIR



**SAM HOEHNER**  
CHAIR OF THE BOARD

Lee Building Products  
*Louisville, KY*

It has been such an honor and privilege to serve as the CMHA Chair of the Board for 2024. The concrete products industry from my viewpoint in central Kentucky is so much wider now. I've had a tremendous opportunity to observe the intricate connections associated with making this industry so dynamic and productive.

CMHA sits uniquely in the center of this web of dedicated companies and individuals committed to expanding opportunities for our businesses and our companies' markets.

Concrete and masonry products are perfectly suited for solving both our society's and customers' needs. We offer beauty, warmth, durability, sustainability, and security – all valued characteristics of finished construction projects.

After meeting so many of you this past year, I am convinced that it is as much our people as our products that will send this industry to new heights. We are a collective group of passionate professionals that believe in what we do. And CMHA is committed to supporting you with resources, training, professional development, networking, inspiration, and advocacy. Jump on in with us!

While our hardscape product sales cooled down from our record highs in 2022, our overall growth for this segment from the pre-pandemic numbers of 2019 are remarkable – up 29% for SRW and up 38% for segmental pavements.

Over this past year, we have witnessed the programs of the Concrete Masonry Checkoff take off with significant investments in promotion that will prove invaluable to the masonry segment. CMHA continues to actively support the Checkoff and is leading programs on codes and standards advocacy and block promoter education on their behalf. We are a formidable industry together.

There is more to do, but we are better poised to tackle the challenges ahead of us!

# LETTER FROM THE PRESIDENT



**BOB THOMAS**  
PRESIDENT

Concrete Masonry &  
Hardscapes Association

*Herndon, VA*

We are excited to showcase for you in this Annual Report the productive year that CMHA has had in 2024 supporting its member companies.

The CMHA staff has worked closely with the committees of the association in implementing programs in support of its strategic plan to 1) promote the value of segmental concrete products, 2) educate and certify industry stakeholders, 3) develop and disseminate knowledge and resources for masonry and hardscapes, 4) advocate and protect and advance our industry's competitive positions, and 5) foster and efficient environment for industry engagement and networking.

We are two years into the unification of ICPI and NCMA into CMHA and we have invested to ensure that the resulting organization is better than the sum of its parts. We are far more efficient with our resources and we are realizing the benefits from leveraging the complementing aspects of those systems that we represent: concrete masonry, segmental pavement, segmental retaining walls, manufactured stone veneer, and more. Our revenues and budgets have increased in each of the past two years and into our third fiscal year, positioning us to be bolder in our approaches to drive markets.

We continue to focus on leveraging relationships with our industry partners, whether for our signature Hardscape North America (HNA) tradeshow event, with the Concrete Masonry Checkoff program, with our NCMA and ICPI Foundations, or with our regional promotion partners. We are better together when we are aligned strategically.

CMHA has focused on the resilience and sustainability benefits of our products. These attributes will continue to drive specifiers to seek out the solutions that we provide. But we are not waiting for them to come to us. Come join us in the fight and be a part of the solution!

# 2024 CMHA BOARD OF DIRECTORS

## OFFICERS AND EXECUTIVE COMMITTEE

**SAM HOEHNER, CHAIR**  
Lee Building Products

**DAVID PITRE, VICE CHAIR**  
Keystone Hardscapes

**MIKE MUELLER, SECRETARY**  
TEKA North America, Inc.

**MATT LYNCH, PAST CHAIR**  
Oldcastle APG

**BLAIR HARTER, MASONRY CHAIR**  
Basalite Concrete Products

**WAYNE VILLALUNA, HARDSCAPES CHAIR**  
Basalite Concrete Products

## AT-LARGE DIRECTORS

**FRED ADAMS, JR.**  
Fred Adams Paving Co., Inc.

**ALWIN BENNMANN**  
KBH Baustoffwerke Gebhart  
& Soehne GmbH & Company KG

**STEVE BERRY**  
Oldcastle APG

**JOSE DIAZ**  
MASA

**TREVOR FEARN**  
CornerStone Wall Solutions, Inc.

**CRAIG FINCH**  
RCP Block & Brick, Inc.

**ED FIORONI**  
Keystone Hardscapes

**JOHN FIZZANO**  
Fizzano Brothers

**CHARLES GAMAREKIAN**  
Cambridge Pavers, Inc.

**FRANK GANDORA**  
Creative Hardscape Company

**KATHY GRANGER**  
Outdoor Living Supply

**TERRI GRULKE**  
Besser Company

**MANFRED HEROLD**  
Brown's Concrete Products, Ltd.

**ROCKY JENKINS**  
CEMEX

**STARLING JOHNSON**  
Johnson Concrete

**TIM MCGINNIS**  
Westlake Royal Stone

**MATT MOREY**  
Calstone

**ROBERTO NICOLIA**  
Nicolock Paving Stones

**LINCOLN PAIVA**  
Techo-Bloc

**RICK ROACH**  
Barnes & Cone, Inc.

**JOSEPH SANTAROSSA, JR.**  
Santerra Stonecraft

**ADAM SOLOMON**  
Solomon Colors, Inc.

**NICK SOWKA**  
County Materials Corporation

# ABOUT CMHA

The Concrete Masonry & Hardscapes Association (CMHA) is the premier trade association representing the concrete masonry and hardscape industry across the U.S. and Canada. With 967 member companies—from contractors to large producer companies—we are the authority on segmental concrete products and systems. CMHA continues to advance the industry through research, education, and advocacy.



## REBRANDING EFFORTS CONTINUE

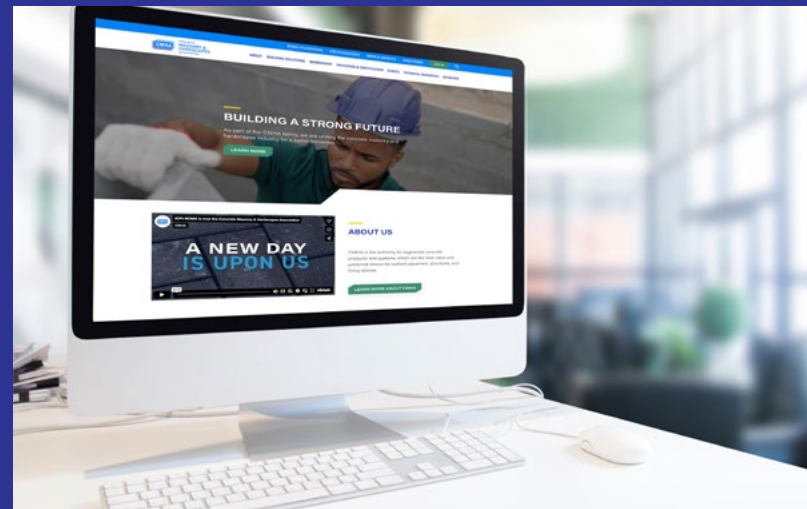
The rebranding initiative that began in late 2023 focused on expanding and refining technical resources to enhance brand identity and user engagement. All CMHA technical resources were rebranded and added to the new CMHA website with an updated look and feel.



**393** TECHNICAL RESOURCES  
REBRANDED



## NEW WEBSITE ENHANCES CMHA'S ROLE IN THE INDUSTRY



Launched in March 2024, CMHA's new website positions the Association as the leader for segmental concrete products and systems while offering enhanced functionality for members and industry professionals. The modern, visually appealing design integrates CMHA's branding, with improved navigation and a powerful search functionality for an intuitive user experience.

# ABOUT CMHA

## KEY WEBSITE FEATURES INCLUDE:



A robust library of technical resources



Membership information and directories



Access to events, courses, and certification information



Tools for updating member records and getting involved in initiatives



Project profiles, industry news, and a calendar of events



Improved navigation and a powerful search function

# MEMBERSHIP

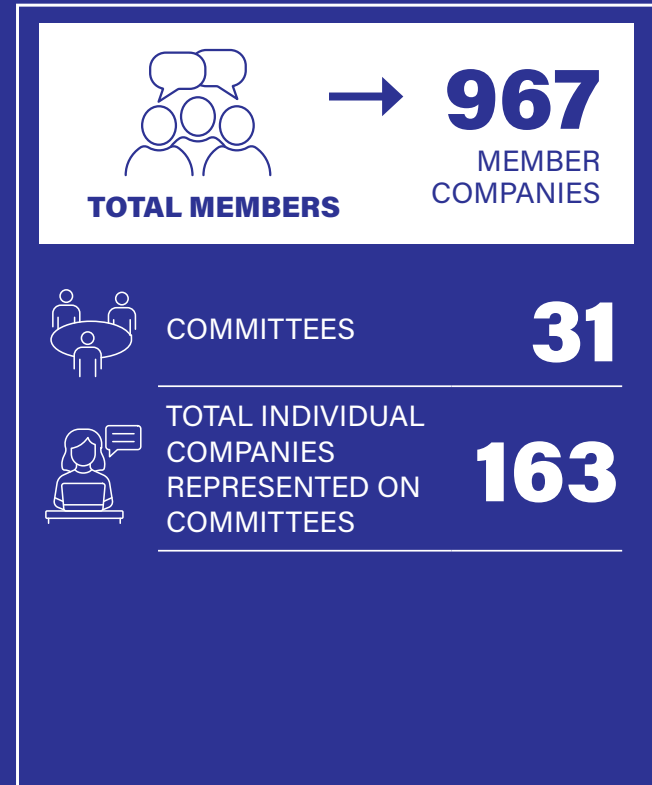
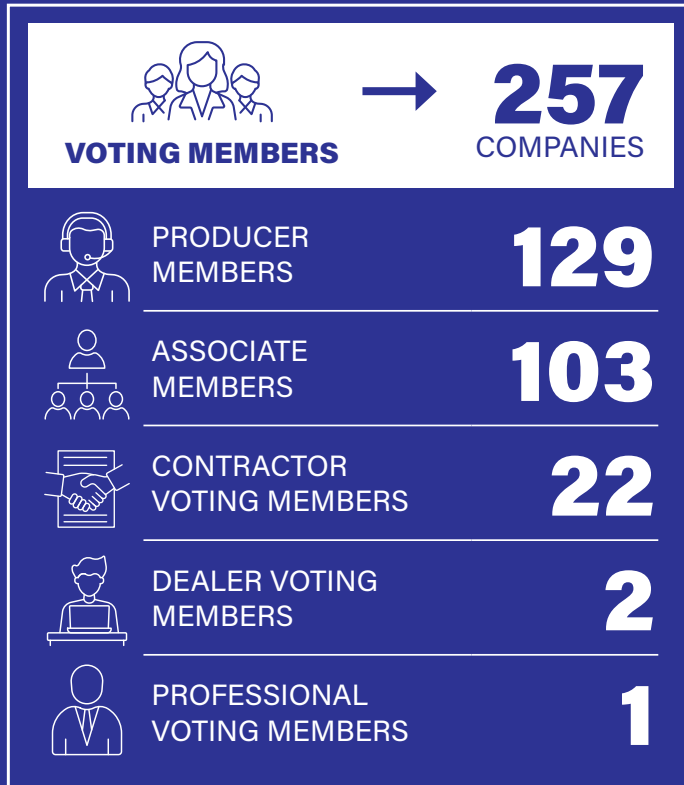




## MEMBERSHIP BY THE NUMBERS

As of November 30, 2024, CMHA had 967 members, 257 of which are voting members across five different membership categories. CMHA's non-voting members number 710, of which most of those are affiliate hardscape contractors.

Member companies reported that the value of the association's technical resources and support, advocacy at the federal, state, provincial, municipal and at the regulatory agency level increased in 2024 as market forces drove the need for monitoring threats to businesses.



# ADVOCACY

## BUILDING CODES

CMHA advocates to ensure that building codes and standards utilize the inherent benefits of concrete masonry to protect life and property. Fire standards were addressed in 2024 as part of the 2027 International Building Code (IBC) development cycle. CMHA reviewed over 1,000 code change proposals, developing industry positions on those that impact the masonry industry. Staff advocated for exemptions for masonry materials for combustibility testing as well as opposed changes that would have reduced requirements for non-combustible fire walls.

**1,000+**  
CODE CHANGES REVIEWED



## INNOVATION

CMHA supports rapid and responsible introduction of new technologies into construction and governing standards. In 2024, CMHA advocated for and secured approval for inclusion of dry-stack masonry construction design requirements, drawing on research conducted by CMHA, in the 2028 version of The Masonry Society 402/602 standard (Building Code Requirements and Specification for Masonry Structures).



APPROVED FOR THE 2028 EDITION  
OF THE MASONRY SOCIETY'S

**402/602**  
STANDARD

# GOVERNMENT AFFAIRS

CMHA engages elected officials in the home districts of its member companies as well as on Capitol Hill to protect its members interests and open markets. CMHA is well-positioned to engage the new administration in Washington, DC in 2025 in support of business-friendly positions and to leverage masonry and hardscape construction solutions in government procurement.



# PICP STATE GUIDELINES

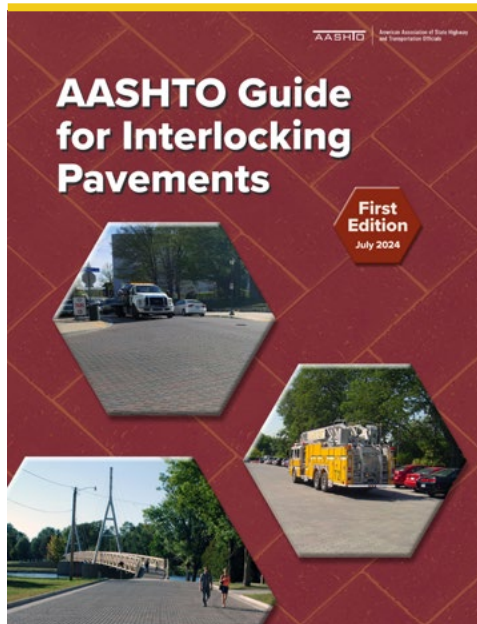
In March the North Carolina Department of Transportation (NCDOT) published the Design Guide for Permeable Interlocking Concrete Pavement which is based on the ASCE 68-28 Permeable Interlocking Concrete Pavement design method. This document provides guidance to engineers allowing them to design permeable interlocking concrete pavements (PICP) systems that they know will meet the NCDOT's strict requirements and provides additional credibility to PICP systems with other government agencies. Similar progress is being made with other state and municipal agencies.

 NCDOT publishes guide for designing compliant permeable concrete pavements



## AASHTO INTERLOCKING PAVEMENT GUIDE

In August, with CMHA support, the American Association of Highway and Transportation Officials published its AASHTO Interlocking Pavement Guide. The guide provides guidance on the design, specification, construction and maintenance of interlocking concrete pavements to DOTs in the US and Canada, in addition to thousands of municipal agencies responsible for road and pavements.



## CANADIAN GOVERNMENT AFFAIRS

CMHA advanced its Canadian initiatives in 2024, strengthening connections with government agencies and industry professionals. In February, CMHA co-hosted a segmental pavement symposium in Halifax for government and design professionals. Discussions continued with the City of Toronto regarding the removal of a paver maintenance fee and CMHA offered support for efforts to reduce runoff and flooding. At the Federation of Canadian Municipalities Conference in Calgary, CMHA presented resources, hosted a well-attended reception, and engaged with municipal leaders. During the Transportation Association of Canada's Fall Meetings, CMHA presented a report on the life cycle costs of interlocking concrete pavement, sparking significant discussion. Additionally, CMHA collaborated on revising the CSA A231 Standard for Concrete Slabs and Pavers, to be submitted for technical review. These efforts underscore CMHA's commitment to advancing segmental pavement standards and strengthening relationships across Canada.



CMHA ADVANCES  
**CANADIAN  
INITIATIVES**  
IN 2024

## CODES AND STANDARDS FOCUS

Thanks in part to a funding grant from the Concrete Masonry Checkoff Board, CMHA has initiated the process to double-down on its efforts to achieve masonry-friendly provisions in construction standards related to fire, energy, sustainability and resilience. Ben Nantasai joined the staff to fill a new position as Director of Codes and Standards.

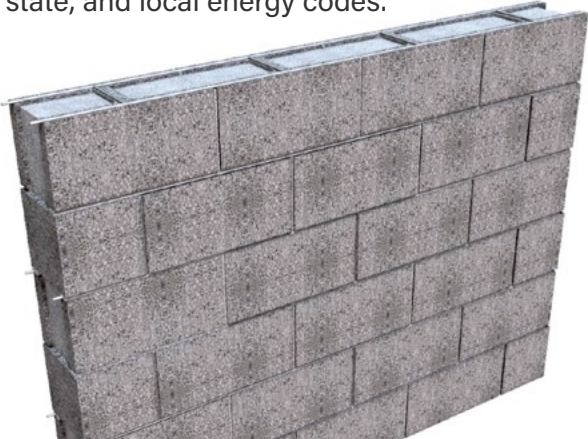


## ICC 605, STANDARD FOR RESIDENTIAL CONSTRUCTION IN REGIONS WITH WILDFIRE HAZARD

CMHA is supporting the development of a new prescriptive design standard for residential construction in wildfire-prone areas. As recent events have shown, the need for more durable and resilient construction is critically necessary, and standard such as this will provide practical information for builders. CMHA will continue to advocate for raising the bar to provide resilient construction in all areas.

## ACI/TMS 122

This joint committee completed two new standards in 2024, both focused on energy code compliance of concrete and masonry assemblies. Efforts in 2025 will be to update text to: Efforts in 2025 will be to reference these standards in national, state, and local energy codes.



**2 NEW STANDARDS**  
COMPLETED IN 2024

# INITIATIVES

## CARBON RESEARCH

Quantifying the sequestration of carbon in concrete masonry and hardscape products was a focus for CMHA, the NCMA Foundation, and the ICPI Foundation in 2024. Multi-year research projects have shown that dry-cast concrete products sequester carbon at rates much higher than other concrete products. The recently-published CMU industry-average EPD accounts for this sequestration through 28 days. New research has also investigated both early sequestration (before 28 days) as well as long-term sequestration (up to the 3 years) in CMU. Research is now underway to accurately quantify the rate of sequestration within concrete pavers as well. Finally, efforts are in place to leverage these efforts with the MIT Concrete Sustainability Hub to include dry-cast concrete carbonation models.

DRY-CAST CONCRETE PRODUCTS  
SEQUESTER CARBON AT

**MUCH HIGHER  
RATES THAN OTHER  
CONCRETE PRODUCTS**

CMU INDUSTRY  
AVERAGE EPD ACCOUNTS FOR  
SEQUESTRATION OVER THE FIRST

**28 DAYS**

LONG-TERM SEQUESTRATION  
IS TRACKED OVER UP TO

**3 YEARS**

## CONCRETE MASONRY CHECKOFF PROGRAM UPDATE



The Concrete Masonry Checkoff program continues to grow. They have funded a series of new projects, including efforts to better market concrete masonry, developing an education hub for designers, and creating a new design center to support those interested in using concrete masonry on their projects.

CMHA has been working collaboratively with Checkoff to define industry roles and responsibilities.

The Beauty of Block campaign launched in 2024 and highlights the aesthetic and functional benefits of concrete masonry in modern construction. It aims to educate architects, builders, and the public on how concrete blocks enhance design versatility, durability, and sustainability. This initiative promotes greater awareness and adoption of concrete masonry, ultimately driving demand, supporting innovation, and strengthening the market for masonry products.



CONCRETE MASONRY  
CHECKOFF

**\$10,890,840**

TOTAL AMOUNT OF MONEY THE CHECKOFF COLLECTED IN 2024 (Q3 OF 2023-Q3 OF 2024).

**1.1 BILLION BLOCK SOLD**

IN 2024 (Q3 OF 2023-Q3 OF 2024).

**64 PROGRAMS**

NUMBER OF PROGRAMS FUNDED WITH A TOTAL FUNDING OF \$12,171,337.

**506.92 MILLION**

POTENTIAL REACH OF FROM EARNED MEDIA PLACEMENTS + SYNDICATED ARTICLE PICK-UP.

**14.2 MILLION IMPRESSIONS**

ACROSS ALL PAID DIGITAL MEDIA CHANNELS.

THE  
**BEAUTY OF BLOCK**

**27K+ VISITORS**

To [BeautyofBlock.com](https://BeautyofBlock.com)

LINKEDIN AWARENESS ADS DROVE  
**12 MILLION IMPRESSIONS**

## INDUSTRY-AVERAGE EPD

Following a year-long data collection effort, CMHA published the first Industry-Average Environmental Product Declaration (EPD) for concrete masonry units in the United States. This document provides critical industry environmental reporting information and benchmarking for a variety of concrete masonry units. With data collected from producers around the country, the EPD is balanced and beneficial to the entire industry. It was developed in conjunction with Climate Earth and third-party verified by ASTM International. The presented values leverage carbon sequestration research to provide an accurate accounting of CMU environmental impacts.

# FIRST

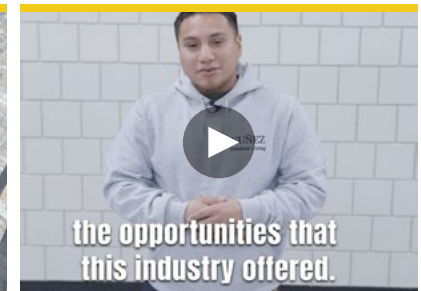
INDUSTRY-AVERAGE EPD FOR  
CONCRETE MASONRY UNITS  
IN THE U.S.



Environmental Product Declaration for  
**Concrete Masonry Units**  
*as Manufactured by Members of  
Concrete Masonry & Hardscapes Association (CMHA)*

## WORKFORCE DEVELOPMENT: NEW HARDSCAPINGIS.COM WEBSITE LAUNCHES

In August, CMHA relaunched **Hardscapingis.com**, a workforce development website supporting the hardscape industry. The updated site provides resources for career advancement, including detailed career path pages, personal profiles, and video interviews with industry veterans. The site is regularly updated with new content. This initiative underscores CMHA's commitment to fostering a well-trained workforce to meet the evolving needs of the construction landscape. CMHA continues to target parents and young adults through ads on Facebook and Instagram which drives traffic to the site.



# RESEARCH

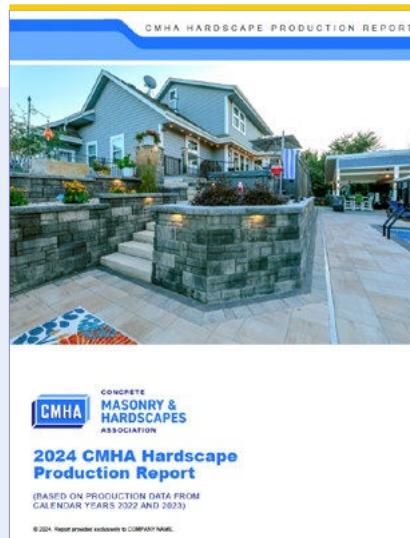
## HARDSCAPE PRODUCTION REPORT CAPTURES INDUSTRYWIDE TRENDS, CHALLENGES AND GROWTH DRIVERS

The 2024 CMHA Hardscape Production Report offers an in-depth exploration of production trends for segmental concrete paving and segmental retaining wall (SRW) products in the U.S. and Canada. The segmental concrete pavement market has demonstrated substantial growth over recent years, despite facing challenges in 2023. Total production reached 1,036.6 million square feet in 2023, reflecting a 9.3% decline from the record high of 1,143.3 million square feet in 2022. Conducted in mid-2024, the survey captures a snapshot of industrywide trends, challenges, and growth drivers, helping stakeholders understand shifts in demand, production capabilities, and strategic opportunities. This report also highlights how evolving consumer preferences, economic forces, and innovations are shaping the landscape of hardscape production.

**51** COMPANIES SURVEYED

**71%**  
OF PAVER PRODUCTION

**54%**  
OF SRW PRODUCTION



## KEY FINDINGS FROM THE CONTRACTOR INDUSTRY REPORT

The association launched its Contractor Industry Survey in January 2024. The survey results allow participants to compare their practices and applications with those of their peers. Among the challenges contractors face, recruiting and hiring quality employees remains their top concern, but continues to decline. Meanwhile rising overhead costs have become the second biggest concern and continue to trend upward.



# NEW IN 2024

## MANUFACTURED STONE VENEER INSTALLATION GUIDE

In 2024, CMHA published a new version of the Installation Guide and Detailing Options for Compliance with ASTM C1780 for Adhered Manufactured Stone Veneer. A major effort in 2024 was to expand the recommendations within the *Guide* for using modified mortars to install MSV. These revisions represent a significant step forward for the industry, and are part of efforts to ensure quality, long-lasting installations of adhered veneer.



## MANUFACTURED STONE VENEER TOPS COST VS. VALUE REPORT

CMHA is committed to documenting the value Manufactured Stone Veneer (MSV) brings to homeowners. The 2024 Cost vs. Value (CVV) report from Zonda Media highlights manufactured stone veneer (MSV) as a standout performer, underscoring its relevance and value in the masonry and hardscaping industry. Comparing this year's findings with those from 2023 provides insights into how MSV continues to offer strong returns amid changing economic conditions. Comparing the data from 2023 to 2024, it is clear that MSV continues to deliver maximum returns. With a 153% ROI in 2024, MSV stands out as a smart choice for those in the masonry and hardscaping industry looking to provide impactful solutions to their clients.

### ACCORDING TO THIS YEAR'S CVV REPORT:

**\$11,287**

MSV's Average Project Cost

**\$17,291**

Resale Value

**153%**

Return

This represents a significant increase of 50.7 percentage points compared to last year's ROI of 102.3%, highlighting the growing value for homeowners investing in MSV, as well as the growing demand for professionals in the masonry and hardscaping industry.

102.3%

Last Year's ROI

153%

**+50.7%**

This Year's ROI

**153%**

IN 2023, THE ROI WAS ONLY 102.3%

# CMHA RESEARCH & DEVELOPMENT LABORATORY

## LAB FOCUSED ON PROVIDING HIGH QUALITY TESTING AND SERVICES

The CMHA Research and Development Laboratory continues to provide high-quality testing services to clients and the industry. We continue to work with producers and associates on regular compliance testing, various clients on research and development of new and innovative systems, and industry-supported research projects. As the only laboratory dedicated to concrete masonry product and material testing, the laboratory is there to ensure products and systems are tested correctly.

### THE CMHA LAB BY THE NUMBERS:

**2,400+**

NUMBER OF COMPRESSIVE STRENGTH TESTS PERFORMED

**3,000+**

NUMBER OF FREEZE-THAW CYCLES PERFORMED

**150**

NUMBER OF PAVING SLABS TESTED

**400+**

INDIVIDUAL PROJECTS COMPLETED IN 2024

**\$618,460**

IN GROSS REVENUE



# SAFETY AWARDS

## RECORD NUMBER OF MEMBER FACILITIES RECEIVE 2023 SAFETY AWARDS

In June, the association announced the winners of the 2023 Safety Awards. The prestigious honor is bestowed annually upon member manufacturing plants and contractors that demonstrate a commitment to the well-being of their employees and their work environment. An impressive 155 awards were given out to manufacturing locations and contractors throughout North America that boast exemplary records. Participants were eligible for awards through their OSHA 300A logs or equivalent Canadian injury reports from January 1 - December 31, 2023.

“

*Our members who consistently promote and implement safe working practices should be honored. To see our members demonstrate their commitment to safety is incredible for the industry.*

**- BOB THOMAS,**  
CMHA President and CEO



## SAFETY AWARDS BY THE NUMBERS:

**11**

### MILESTONE AWARDS

were given to facilities with more than five consecutive years of Safety Award Program entries with zero OSHA/Canadian injury report injuries

**111**

### PLATINUM AWARDS

(highest level of single-year achievement)

**29**

### GOLD AWARDS

**4**

### SILVER AWARDS

(Awards based on two formulas, one for Incident Rate (IR), and Days Away for Restrictions and Transfer Rate.)

# EDUCATION UPDATE



## IN-PERSON INSTALLER EDUCATION

CMHA's hands-on courses teach proper installation of Interlocking Concrete Pavement, Segmental Retaining Walls, Permeable Interlocking Concrete Pavement and Manufactured Stone Veneer. New in 2024: CMHA launched an updated SRW Installer course that includes real world examples and an installer manual to help contractors better understand best practices.

**75+**

COURSES HELD  
IN 2024

**600+**

ATTENDEES



## ON-DEMAND EDUCATION

CMHA's on-demand courses offer guidance and practical strategies on navigating real-world challenges and amplifying effectiveness. Courses that are offered include Concrete Masonry Technologist, Commercial Hardscape Installer & Sales, Basic Block, and Residential Hardscape Installer & Sales courses.





## AIA COURSES AVAILABLE

CMHA is an approved AIA provider with 8 AIA courses available for CEU credits and 20+ CMHA CEU approved programs for those looking for Continuing Education. In 2024, over 3100 people took one of CMHA's seven courses offered on AEC Daily.

**8**

AIA COURSES  
AVAILABLE FOR  
CEU CREDITS

**20+**

CMHA CEU  
PROGRAMS  
OFFERED

**3100+**

PARTICIPANTS IN  
CMHA AEC DAILY  
COURSES (2024)



## CERTIFICATION UPDATE

At the 2025 Annual Meeting, the Certification Committee made a recommendation to the CMHA Board of Directors to remove our application to ANAB for the Concrete Paver Installer (CPI) Certification program. Previously, CMHA was seeking ISO Certification through ANAB for the CPI installer course. The Certification Committee recommended a new strategy for CMHA's four installer courses. The Concrete Paver Installer, Segmental Retaining Wall, Permeable Interlocking Concrete Paver and Manufactured Stone Veneer installer courses will now be CMHA Certification Courses. Under the direction of the Certification Committee, staff will begin drafting policies and procedures for a CMHA Directed Certification program to be available in early 2026.

# MEETINGS AND EVENTS

## ANNUAL MEETING

The city of Denver was host to CMHA's 2024 Annual Meeting, which took place in February at the Sheraton Downtown Denver Hotel. Attendees participated in committee meetings, received updates from association leaders on strategic initiatives, heard from featured speaker Jeremy Bess of ITR Economics during the General Session and had the opportunity to hear three innovative presentations during the Innovative Technology Forum.



**400**

ATTENDEES AT CMHA'S  
2024 ANNUAL MEETING

## THE PRECAST SHOW

CMHA was a proud participant of the 2024 Precast Show. The show brought together concrete industry professionals to get business done.

The 2024 event was a prime opportunity for CMHA members to expand business, learn about new technologies, meet and network with industry suppliers, see new products up close and take advantage of education sessions.

Prior to the show opening, an in-person plant tour was held at the Fort Lupton Basalite Plant. CMHA ran 5 individual tours where 15 member companies participated with 216 attendees touring the plant.

**25,000** NET SQUARE FEET

TOTAL AMOUNT OF CMHA  
MEMBER EXHIBIT SPACE

**5,300+**

ATTENDEES AT THE  
2024 PRECAST SHOW

**53**

MEMBER EXHIBITORS  
PARTICIPATED



## MIDYEAR MEETING

In August, members gathered in Ottawa for the 2024 Midyear Meeting. The week kicked off with a Town Hall and a warm welcome from Board Chair Sam Hoehner. During the Town Hall, attendees also heard updates on the association's FY25 budget, Concrete Paver Installer Certification, Hardscape North America trade show, Carbon Sequestration, community updates, and more. Market-specific Town Halls were also held for the Masonry and Hardscape segments.

During the meeting, David Hein, P. Eng. was awarded the 2024 Industry Champion Award. This award is a special recognition that extends beyond CMHA and the immediate concrete products industry. It honors individuals who, through their efforts and dedication, have significantly contributed to the advancement and promotion of concrete products.



**300+**

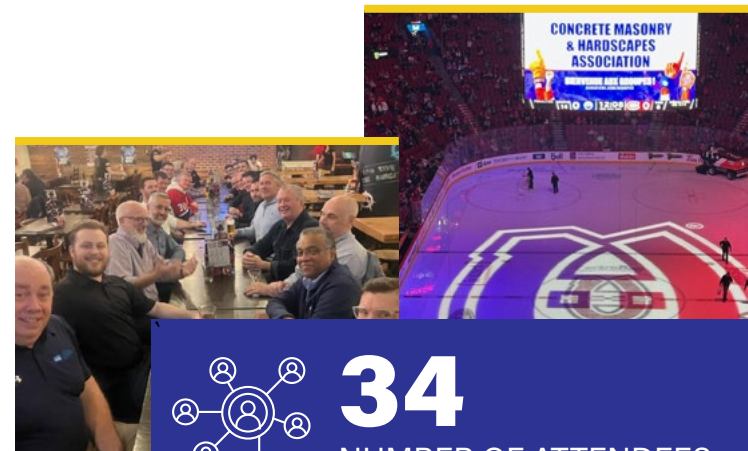
MEMBERS ATTENDED  
THE 2024 MIDYEAR  
MEETING IN OTTAWA

## ANNUAL CANADIAN HARDSCAPES ACTIVITIES MEETING

CMHA's annual Canadian Hardscapes Activities Meeting was held in Montreal. Attendees received updates from the Association and from industry partners on carbon, activities with municipal governments across Canada and other initiatives.

The government affairs team gave updates on regional activities, including participation in events and discussions with municipalities. Discussions at the Federation of Canadian Municipalities have led to several towns in the Halton Region of Ontario.

Attendees also had the opportunity to network at the Bell Centre while watching the Edmonton Oilers face off against the Montreal Canadiens.



**34**

NUMBER OF ATTENDEES

## HARDSCAPE NORTH AMERICA



**HARDSCAPE**<sup>®</sup>  
North America  
**HARDSCAPENA.COM**

Hardscape North America (HNA), the industry's leading trade show for hardscape professionals,

was held in Louisville, Kentucky in October and was a tremendous success. Over 28,500 registrants attended both HNA and Equip Expo. HNA's continuous growth reflects its pivotal role in driving innovation and business expansion for hardscape solution providers. Exhibit space sell-out is a testament to HNA's dedication to providing a superior experience for all stakeholders to connect, learn, and advance their businesses.



## HNA BY THE NUMBERS:

**4%** INCREASE IN EXHIBIT SALES  
COMPARED TO THE 2023 SHOW.

**59,100 SQ. FT.** INDOOR  
EXHIBIT  
SPACE

**15,900 SQ. FT.** OUTDOOR  
EXHIBIT  
SPACE

**225**  
HARDSCAPE  
EXHIBITORS

**65**  
NEW  
EXHIBITORS

**3,623**  
HNA  
ATTENDANCE

**28,500+**  
ATTENDED BOTH HNA  
AND EQUIP EXPO

**49%**  
FIRST-TIME  
ATTENDEES

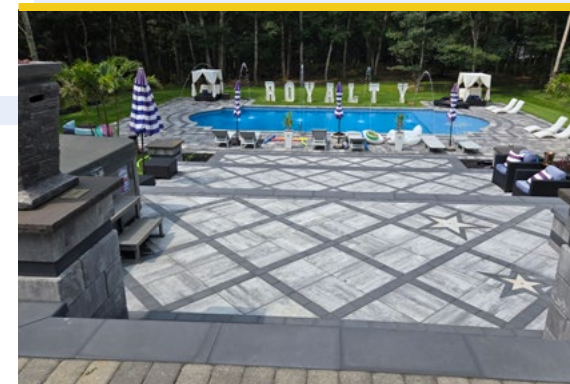
## HNA PROJECT AWARDS



The 2024 HNA Awards honored contractors, producers, and designers for their outstanding contributions to the hardscape industry. The 2024 HNA Awards celebrated exceptional residential and commercial hardscape projects, highlighting creative and innovative designs across various categories, including walkways, patios, pool decks, outdoor living spaces, commercial plazas, streets, and more.

**215** APPLICATIONS  
SUBMITTED

**120** UNIQUE  
APPLICANTS



## HNA AWARDS BY THE NUMBERS:

**38** WINNERS AND  
HONORABLE MENTIONS  
AWARDED

**141** MEMBER  
SUBMISSIONS

“ *Attending HNA was an absolute game-changer for my business! The connections we made were invaluable, opening doors to new opportunities and partnerships that I never anticipated. The HNA experience gave us both the knowledge and the network to take things to the next level.*

“ *This was the best show I have attended. I was able to check off 5 key topics and locate new vendors to incorporate into my business. I came home with valuable contacts, innovative ideas and materials. Great show, great value!*

# COMMUNITIES

## EMERGING PROFESSIONALS GROUP

In 2024, the EPG hosted two workshops to inspire future industry leaders with learning, networking, and hands-on experiences. The Spring Workshop in Vancouver, WA, included three speakers, a Columbia Machine tour, and a wall-building activity with BAC Local 1, supported by Columbia Machine and the Northwest Concrete Masonry Association. The Fall Workshop in Milwaukee, WI, hosted by Mixer Systems, attracted 34 attendees, including 9 producers and 25 associates. Sessions covered Marketing Trends, Social Media, Plant Management, and market updates, with tours of Mixer Systems and Norse Building Products. These workshops highlight EPG's commitment to innovative and inclusive professional development.



# 2

WORKSHOPS  
HOSTED

## CONCRETE WOMEN CONNECT

CMHA is committed to supporting the professional growth and development of women within the concrete masonry and hardscape industry. In 2024, the dedicated women of Concrete Women Connect (CWC) gathered during the Annual and Midyear meetings to network and share their experiences working in the construction industry. Concrete Women Connect is open to all women in the industry.

“ I am encouraged with the direction we are taking CWC through newsletters, in-person networking, and presenter content.

— Melissa Kline, CWC Chair



## COMMERCIAL TECHNICAL PROMOTION TEAM

CMHA has an active Commercial Technical Promotion (CTP) Team that focuses on cross sharing ideas. The team delivers consistent hardscape-related technical messaging to sales representatives from CMHA member organizations. Recent outcomes from the annual survey of CTP team members include a FAQs document addressing fall protection during retaining wall installation, published by the Hardscapes Construction Subcommittee, and an upcoming webinar from the SRW Technical Subcommittee to educate specifiers on choosing between SRWs and precast modular blocks. These initiatives aim to bolster sales staff knowledge and industry performance.



Technical support and sales growth through education, resources, and industry insights

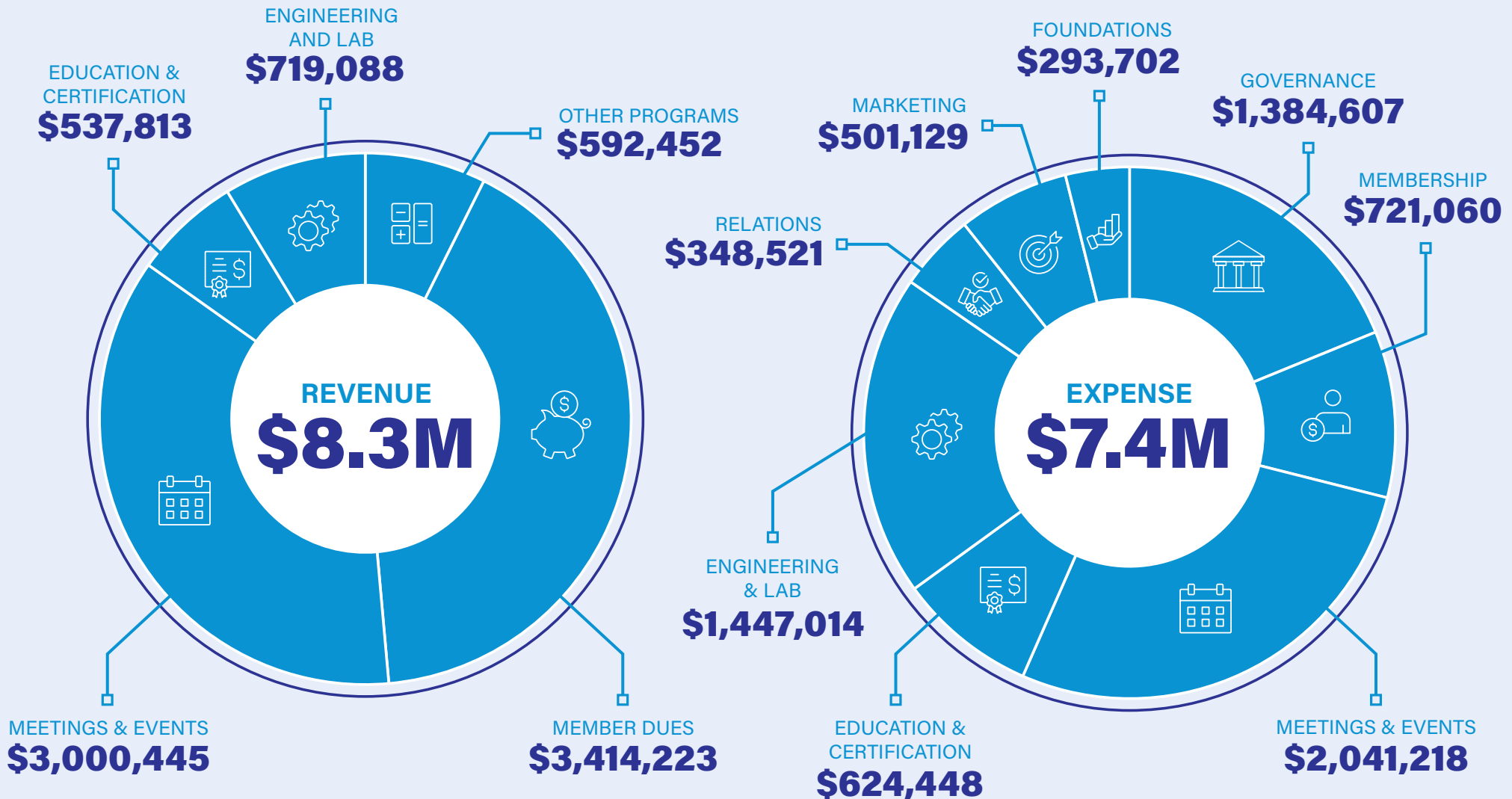
## FAMILY BUSINESS/SMALL BUSINESS FORUM

CMHA's Family Business/Small Business Forum brings together individuals from first- to fifth-generation family-owned companies to address challenges and opportunities unique to their businesses. In 2024, the group hosted speakers and shared information on the advantages and flexibility of self-funding their employer health plans in an effort to increase services offered while reducing costs. During the CMHA Annual Meeting, Keynote speaker Jeremy Bess of ITR Economics addressed the Family Business/Small Business Forum and shared information to help guide better decision making for family businesses based on economic indicators during an election year.



# CMHA FINANCIALS

YEAR-END, JUNE 30, 2024



# MEMBER LISTING

## PRODUCER MEMBERS

1KB & MS LLC  
A. Duchini Inc.  
ABC Block & Brick  
Acker-Stone Industries  
Acme Brick Company  
Amcon Concrete Products, a TCC  
Materials Company  
Anatoliy Stone Products  
Antique Brick & Block  
Arnan Development Corp dba  
Oneonta Block and Duke Concrete  
Artistic Paver Mfg.  
Augusta Concrete Block Co.  
Barkman Concrete, Ltd.  
Barnes & Cone, Inc.  
Barrasso & Sons, Inc.  
Basalite Concrete Products, LLC  
Beavertown Block Co., Inc.  
Best Way Stone, Ltd.  
Block-Lite Co., Inc.  
Bolduc Concrete Products  
Brampton Brick Limited  
Brown's Concrete Products Limited  
Cambridge Pavers, Inc.  
Canal Block  
Capitol Concrete Products, Inc.  
Casey Concrete Ltd.  
Cast-Crete USA, LLC.  
Castlehill Materials, LLC  
Cement Products Inc.  
CEMEX-Florida  
Century Concrete Products  
Chandler Concrete

Cindercrete Products Ltd.  
Coastal Stone Company, LLC.  
Concrete Products  
Concrete Products  
Construction DJL, Inc.  
Consumers Concrete Corporation  
County Materials Corporation  
Creative Mines, LLC  
Dagostino Building Blocks, Inc.  
Day & Campbell Ltd.  
Del R. Gilbert & Son Block Co, Inc.  
Dominion Block, Brick & Hardscapes  
Doughty Masonry Center  
E. Dillon & Company  
Environmental StoneWorks  
Ernest Maier, Inc.  
Fendt Builders' Supply, Inc.  
FireRock Products, LLC  
Fizzano Bros. Concrete Products, Inc.  
Gagne and Son LLC  
General Shale Brick  
Glenwood Mason Supply Co., Inc.  
Groupe MBM  
Hagerstown Block Company  
Horizon Stone, LLC  
IDEAL Block  
Jandris Block  
Johnson Concrete Products  
Jolley Concrete, Inc.  
Kansas Building Products  
KCJ Block dba Austin Block + Hardscape  
King's Materials, Inc.  
Lee Masonry Products, Inc.

Les Blocs De Ciment Mirabel  
Lowcountry Paver Company  
McNear Brick & Block  
Midland Concrete Products, LLC  
Montfort Bros., Inc.  
Mutual Materials  
Nebco Inc. dba Reimers Kaufman  
Concrete Products  
Nettleton Concrete Works  
Newstone Group Concrete Products Ltd  
Newtonbrook Block  
Niagara Block, Inc.  
Nicolock Paving Stones  
Nitterhouse Masonry Products, LLC  
Nitterhouse Stone  
Norse Building Products, Inc.  
Oldcastle APG  
Orange Pavers  
ORCO Block & Hardscape  
Oregon Block & Paver Manufacturing, Inc.  
Peerless Block & Brick  
Phelps Cement Products, Inc.  
Piedmont Block Company  
Pioneer Stone / J & N Stone  
Prestige Stone Products  
ProVia, LLC  
R. Ducharme, Inc.  
R.I. Lampus Company  
Rainbow Concrete Industries Ltd.  
Raineri Building Materials  
Raineri Building Materials  
RCP Block & Brick Inc  
Reading Rock, Inc.

Richvale York Block, Inc.  
RidgeRock Retaining Walls  
Rochester Concrete Products  
Santerra Stonecraft  
Simcoe Block (1979) Limited  
Slater Builders Supply  
Snyder Brick & Block  
Southwest Block, Inc.  
St Vrain Block Company  
State Block, Inc.  
Stepstone, LLC  
Stockman Stoneworks  
Sunroc Corporation  
Sunset Stone, LLC  
Taylor Concrete Products, Inc.  
Techo-Bloc, Inc.  
Texas Building Products  
Texas Stone Designs, Inc.  
The Quikrete Companies  
The Shaw Group Limited  
Tidewater Block, LLC  
Tri-County Block & Brick, Inc.  
U.S. Paverscape, Inc.  
V J Rice Concrete Ltd.  
V. Zappala & Co., Inc.  
W.W. Thompson Concrete Products Co.  
Watkins Concrete Block Company, Inc.  
Wausau Tile  
Western Materials, Inc.  
Westlake Royal Building Products  
White Block Company, Inc.  
Yavapai Block Company, Inc.  
York Building Products



## ASSOCIATE MEMBER COMPANIES

3B Construction Solutions, LLC  
 ACM Chemistries, Inc.  
 Advanced Concrete Technologies  
 Advanced Drainage Systems, Inc.  
 Afinitas  
 Alabama Pallets  
 Allan Block Corporation  
 Alleguard  
 Anchor Diamond  
 Arcosa Lightweight  
 ARDEX Americas  
 Argos USA  
 Automacad, Inc.  
 Besser Company  
 CarbiCrete  
 CarbonBuilt  
 Cargill, Inc.  
 CDS Curing  
 CEMEX USA, Inc  
 cfiFOAM, Inc.  
 Chryso North America  
 ClarkDietrich  
 Columbia Machine, Inc.  
 CornerStone Wall Solutions, Inc.  
 D & M Welding Company  
 Diamond Blade Distributors, LLC  
 Dyna

EZG Manufacturing  
 Fastbrick Engineering Pty Ltd  
 FRIMA GmbH & Co. KG  
 GMS Molds  
 Haarup North America, Inc.  
 Heidelberg Materials  
 Industrial Services International, LLC  
 Innovative Concrete Technology, LLC  
 IntelliBatch by Egan Company  
 iQ Power Tools  
 iwi Group LLC  
 JSP International, LLC  
 KBH Maschinenbau  
 Keene Building Products / Mortar Net  
 Solutions  
 KOBRA Molds, LLC  
 Kraft Curing Systems  
 Krete Industries, Inc.  
 KVM A/S  
 LANXESS Corporation  
 LATICRETE International, Inc.  
 Lehigh White Cement Co.  
 MAPEI Corp.  
 Masa USA LLC  
 Master Builders Solutions  
 Mixer Systems, Inc.  
 OCEM SRL

Oxerra Americas, Inc.  
 Pathfinder Systems  
 Pave Tool Innovators  
 PENTA US Inc.  
 PermaBASE Building Products, LLC  
 Permaloc Corporation  
 Plastic Components, Inc.  
 Polblat LLC  
 POYATOS S.A.  
 Probst, Inc.  
 PROSOCO, Inc.  
 QUADRA USA, Inc.  
 Regency Wire & Cable  
 Rekers NA, Inc.  
 Risi Stone Systems  
 Rockwood Retaining Walls  
 Romex North America  
 Sable Marco, Inc.  
 Shoreloc Design Group  
 Sika Corporation  
 SKAKO Concrete, Inc.  
 SLAB Innovation, Inc.  
 Smooth-On, Inc.  
 Solmax Geosynthetics  
 Solomon Colors, Inc.  
 SRW Products  
 St Marys Cement, Inc. (USA) / a VCNA  
 Company

Stalite Lightweight Aggregate  
 STAMPI BRUNELLO srl di Marcantonio  
 Standley Batch Systems, Inc.  
 Strata Systems, Inc.  
 TechFab USA  
 Techniseal an Oldcastle Company  
 TEKA North America, Inc.  
 Tensar, a Division of CMC  
 Texaloy Foundry LLC  
 The Euclid Chemical Company  
 Tidewater Global, LLC  
 TOPWERK America  
 Universal Accounting Software, Inc.  
 (CAVU ERP)  
 VERSA-LOK Retaining Wall Systems, A  
 TCC Materials Brand  
 Voeller Mixers  
 WASA AG  
 Water Treatment Solutions  
 Watts Removal Products  
 Weber MT, Inc.  
 Westblock Systems Inc  
 Wire-Bond  
 Wuerschum North America, Inc.  
 Zenith Maschinenfabrik GmbH



## CONTRACTOR VOTING MEMBER COMPANIES

A & N Lawn Service, Inc.  
B.C. Pavers, Inc.  
Bauman Landscape and Construction  
Boulder Landscape, LLC  
Creative Hardscape Company  
Custom Coatings & Design Inc.

Decorative Paving, Inc.  
Decra-Scape, Inc.  
Designs by Stonescapes  
European Pavers Southeast  
European Pavers Southwest, Inc.  
Farley Interlocking Paving

Fred Adams Paving Co., Inc.  
Greenmark Landscaping & Development, Inc.  
GT Contracting Corporation  
LPS Pavement Company Paverscape, Inc.  
Precise Paving, Inc.  
Segmental Systems, Inc.

Stowe Contracting, Inc.  
Unit Paving, Inc.  
Urban Earth Landscaping



## DEALER VOTING MEMBER COMPANIES

Outdoor Living Supply  
SiteOne Landscaping Supply

## PROFESSIONAL VOTING MEMBER COMPANIES

DesignBuild Consulting Services LLC

[A complete up-to-date listing of CMHA member companies and individual member is available online.](#)

# NCMA FOUNDATION



**ERIK ABSALON**

NCMA FOUNDATION BOARD  
OF TRUSTEES CHAIR

## NCMA FDN

### LETTER FROM CHAIR

The NCMA Education and Research Foundation is proud to be at the forefront of advancing the concrete masonry and hardscape industry. In 2024, we continued to fulfill our mission: fostering innovation, education, and research to address the evolving needs of the industry and benefit the public.

This past year, the Foundation awarded an impressive \$632,070 to support a range of transformative projects. These funds were invested in groundbreaking research, educational initiatives, and scholarships for future architects and engineers—strategically supporting the industry’s growth and sustainability.

Key initiatives included developing cutting-edge college curricula and professional development courses for architects, as well as pioneering research into carbon sequestration in concrete products and the integration of high-strength rebar in masonry assemblies. These efforts reflect our commitment to driving innovation while equipping the next generation of leaders with the tools to shape the future of the industry.

In the pages ahead, you’ll find a comprehensive listing of the projects we supported in 2024, alongside highlights of some of the most impactful initiatives. For even more details, visit the NCMA Foundation website at [www.masonryandhardscapes.org/ncma-foundation/](http://www.masonryandhardscapes.org/ncma-foundation/).

*Erik Absalon*

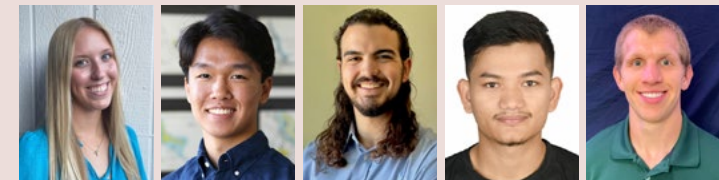
## PROJECTS FUNDED IN 2024

# \$632,070

TOTAL FUNDED



- Evaluation of Thermal and Hygrothermal Properties of Concrete Masonry – CMHA
- Embodied and Carbon Uptake Impact of Concrete Masonry Products – MIT Concrete Sustainability Hub
- Creating a Road Map to Code Adoption of High Strength Steel in Concrete Masonry -Phase II – University of Houston
- Updating the Design Manual for Segmental Retaining Walls – Coltivomae
- Development of a Draft Mandatory Language Prescriptive Design Standard for Residential Concrete Masonry Construction – Richard Bennett and Jason Thompson
- Masonry Design Course at Boise State University – Northwest Concrete Masonry Association
- Integrating CMU into Architecture Design Studio Curriculum (2024-2026) – North Carolina State University
- 15th Canadian Masonry Symposium Sponsorship – Canada Masonry Design Centre
- ACSA Design Competition 2025-2026 – CMHA
- Assessment of CO2 Sequestration of Manufactured Concrete Products – Phase III -CMHA
- SRW Tools for Schools - CMHA
- Architecture Student Design Competition – Bowling Green State University
- Hardscape Installer Workforce Development Initiatives - CMHA
- Architecture Student Design Competition – Penn State University
- Masonry Student Bridge Competition – The Masonry Society
- Masonry Design CE-44 at Southern Illinois University of Edwardsville – Masonry Institute of St. Louis
- Three John & Marlene Heslip Architecture Scholarships
- Two Paul & Helen Lenchuck Engineering Scholarships



## PROJECTS COMPLETED IN 2024

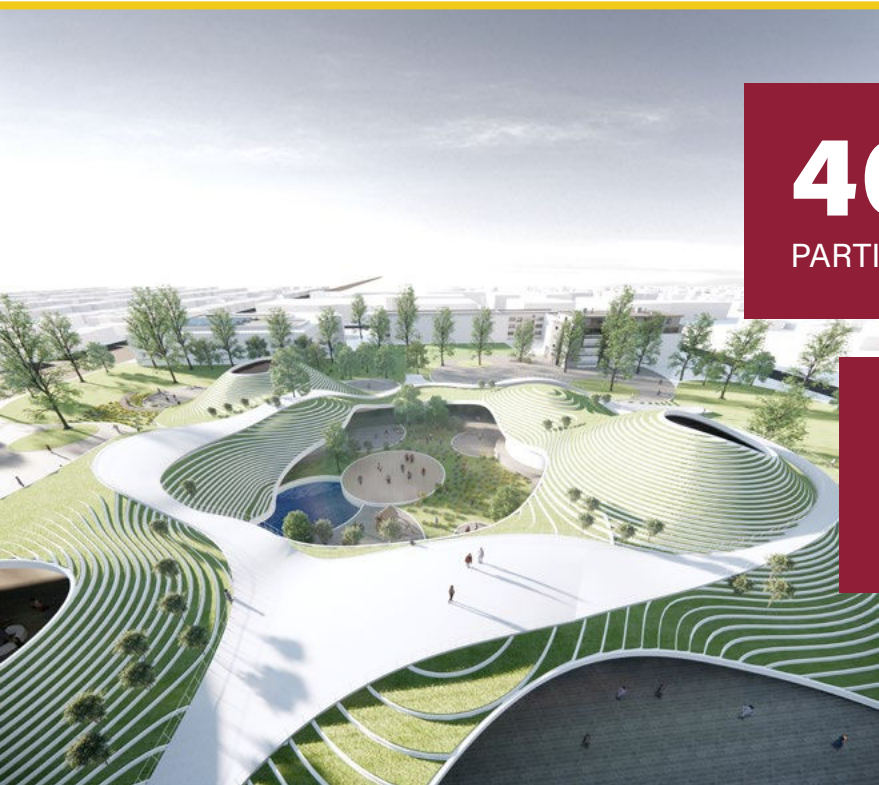


- AEC Daily Education Course: Resilience - CMHA
- TMS Masonry Designer's Guide - The Masonry Society
- Reinforced Masonry Walls with Headed Bars and Special Boundary Elements - Washington State University
- Concrete Masonry Passive House Investigation - University of Louisville
- Study: Passive House/Net Zero Housing and Concrete Block - Canadian Concrete Masonry Producers Association
- Creating a Road Map for High Strength Steel - Phase I - University of Houston
- Architecture Student Design Competition - Bowling Green State University
- SRWall Design Software Update - Ensoltech
- ACSA-CMHA National Student Design Competition - CMHA
- Design and Implementation of Line and Point Loads for SRWs using the SRW Design Manual Approach - John Paulson, P.E.
- Hardscape Workforce Development Initiatives - CMHA
- Federal Department of Labor Masonry Youth Apprenticeship - North Carolina Masonry Contractors Association
- Architecture Student Design Competition - Penn State University
- Further Development of Masonry Standards Online - The Masonry Society
- SkillsUSA 2024 National Competition Sponsorship - CMHA
- Masonry Design Course at Boise State University - Northwest Concrete Masonry Association

# PROJECT HIGHLIGHTS

## ACSA STUDENT DESIGN COMPETITION

In September 2023, The NCMA FDN, in partnership with the Association of Collegiate Schools of Architecture (ACSA), announced the winners of the 2023 Concrete Masonry Competition: Community Commons. The competition recognized five exceptional projects that demonstrated how community centers, both indoor and outdoor gathering spaces can be used for education, recreation, networking events and more. The 2023 competition had over 400 participants from 30 schools.

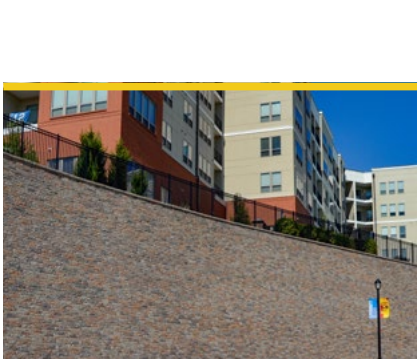


**400+**  
PARTICIPANTS

**30**  
SCHOOLS

## DESIGN AND IMPLEMENTATION OF LINE AND POINT LOADS FOR SRWS USING THE SRW DESIGN MANUAL APPROACH

A new methodology for designing and analyzing line and point loads on segmental retaining walls (SRWs) has been developed to address gaps in the SRW Design Manual. Previously, SRW design methods only considered infinite loads directly behind the wall or at an offset, often leading to overly conservative designs, especially in cases where the structure behind the wall was not infinite, such as a house. This project introduced a refined approach that enables more accurate analysis of spread footings and point loads, such as buildings and other structures, without unnecessary overdesign. The findings from this project, completed by John Paulson, P.E., and Mike Bernardi, P.E., will be incorporated into the next edition of the SRW Design Manual, providing engineers with improved design guidelines.



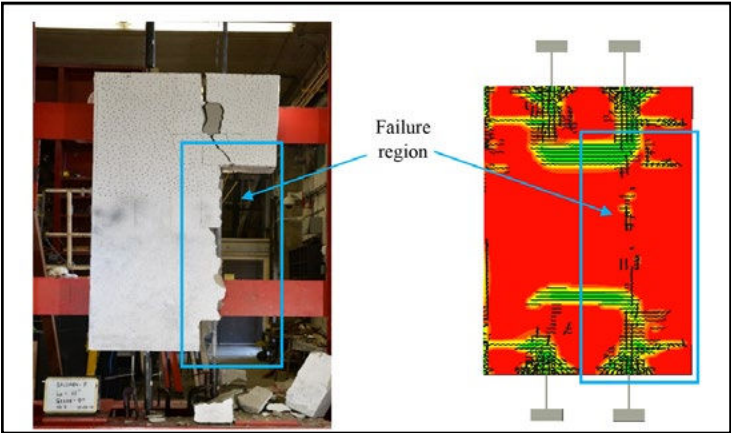
# UPDATED SRWALL 5 DESIGN SOFTWARE RELEASED

In July, the association, in collaboration with Ensoltech, released newly updated SRWall 5 Design Software—the only resource for the one-stop design of segmental retaining walls (SRWs). The software has been updated to with a modern and easy to use interface, and compatibility with current operating systems the software performs engineering design calculations for SRWs.



# UNIVERSITY OF HOUSTON: HIGH STRENGTH STEEL

Currently, masonry building code provisions only allow the use of Grade 60 steel reinforcement. Higher strength rebar exists, and that can lead to design efficiency, flexibility in design options, and the potential for reduced carbon footprint of masonry assemblies. Researchers at the University of Houston were funded to create a road-map for adoption of higher strength rebar in masonry. Through testing, analysis, and modeling, they have put the industry on the path forward to improving our standards and setting the industry up for future innovation.



# NCMA FOUNDATION FINANCIALS

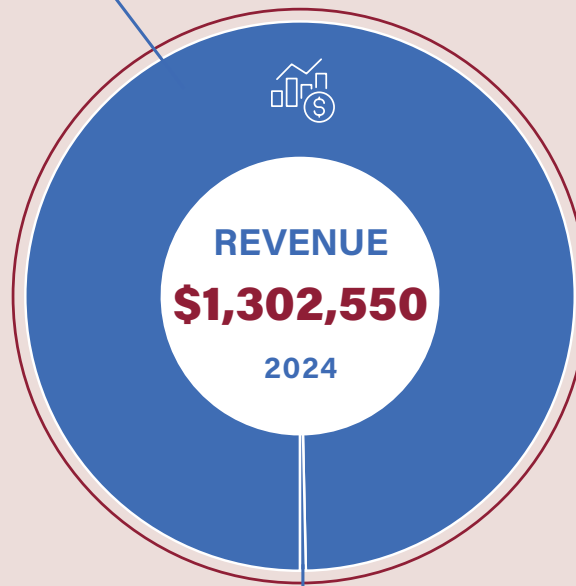
## STATEMENT OF FINANCIAL POSITION

Year-End, December 31, 2024

Cash	88,211
Investments	9,815,160
Other Assets	46,147
<b>TOTAL ASSETS</b>	<b>9,949,518</b>

<b>Net Assets</b>	
Beginning of the Year	8,228,467
Change in Net Assets	551,051
<b>END OF THE YEAR</b>	<b>8,779,518</b>

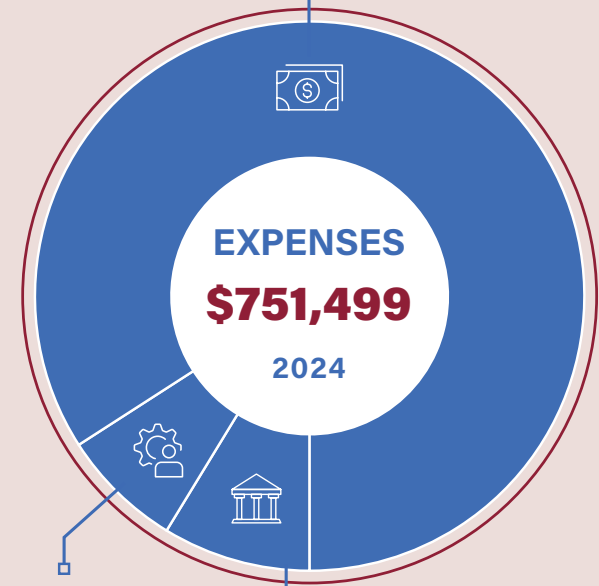
INVESTMENT-NET  
**\$1,298,135**



OTHER  
**\$4,415**



PROGRAM GRANTS  
& SCHOLARSHIPS  
**\$632,070**



GOVERNANCE  
**\$53,901**

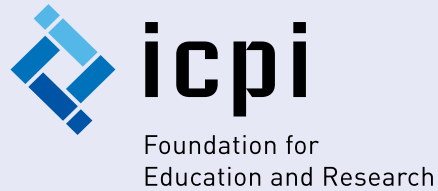
ADMISITRATIVE  
**\$65,528**

# ICPI FOUNDATION



**TED LIGHT**

**ICPI FOUNDATION BOARD OF  
TRUSTEES CHAIR**



## LETTER FROM CHAIR

The ICPI Foundation for Education and Research is proud to be the leader in advancing the concrete masonry and hardscape industry. In 2024, we continued to fulfill our mission: to fund targeted educational and research programs, and industry tools that will benefit the segmental concrete paver industry.

This past year, the Foundation awarded a notable \$249,637 to support a wide range of innovative and evolutionary projects. These funds were invested in research and educational initiatives supporting the development of the pavement industry's recommended best practices, technical publications and educational offerings. All this was done to help position members, contributors, and the industry for a stronger, profitable and more secure future.

Some of the projects included the development of testing protocol and performance criteria for pedestal-set concrete paving slabs and to investigate alternative support and loading conditions to simulate those seen in the field. Another example, the Foundation provided grants that would work to reduce worker shortages in segmental concrete pavement construction by offering a grant program to vocational schools and colleges. These are just samples of the many projects that demonstrate our commitment to driving innovation while equipping the next generation of leaders with the tools to shape the future of industry.

In the pages ahead, you'll find a list of the projects we supported in 2024 alongside highlights of some of the most impactful initiatives. For more details, visit the [ICPI Foundation website](#).

# ICPI FOUNDATION

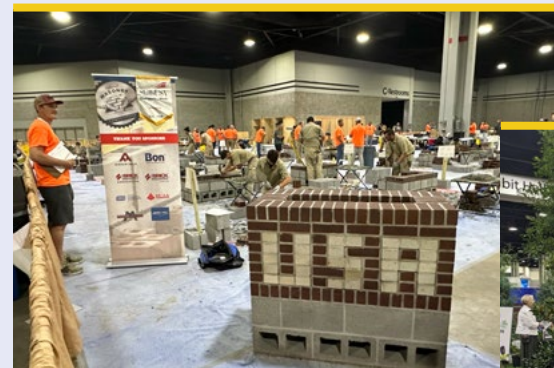


## PROJECTS COMPLETED IN 2024

- Future Research Focus Group - ICPI Foundation
- Workforce Development - CMHA
- PICP Job Task Analysis - CMHA Education Committee

## ONGOING PROJECTS

- Open Graded Aggregate Compaction Research - Oklahoma State University
- ICP on Open Graded Base- Englobe
- Edge Restraint Research - CMHA Lab
- CO<sub>2</sub> Sequestration - CMHA Lab
- Mechanistic-Empirical Design Tool of ICP, Phase 1 - University of California Pavement Research
- Tools for Schools - ICPI Foundation



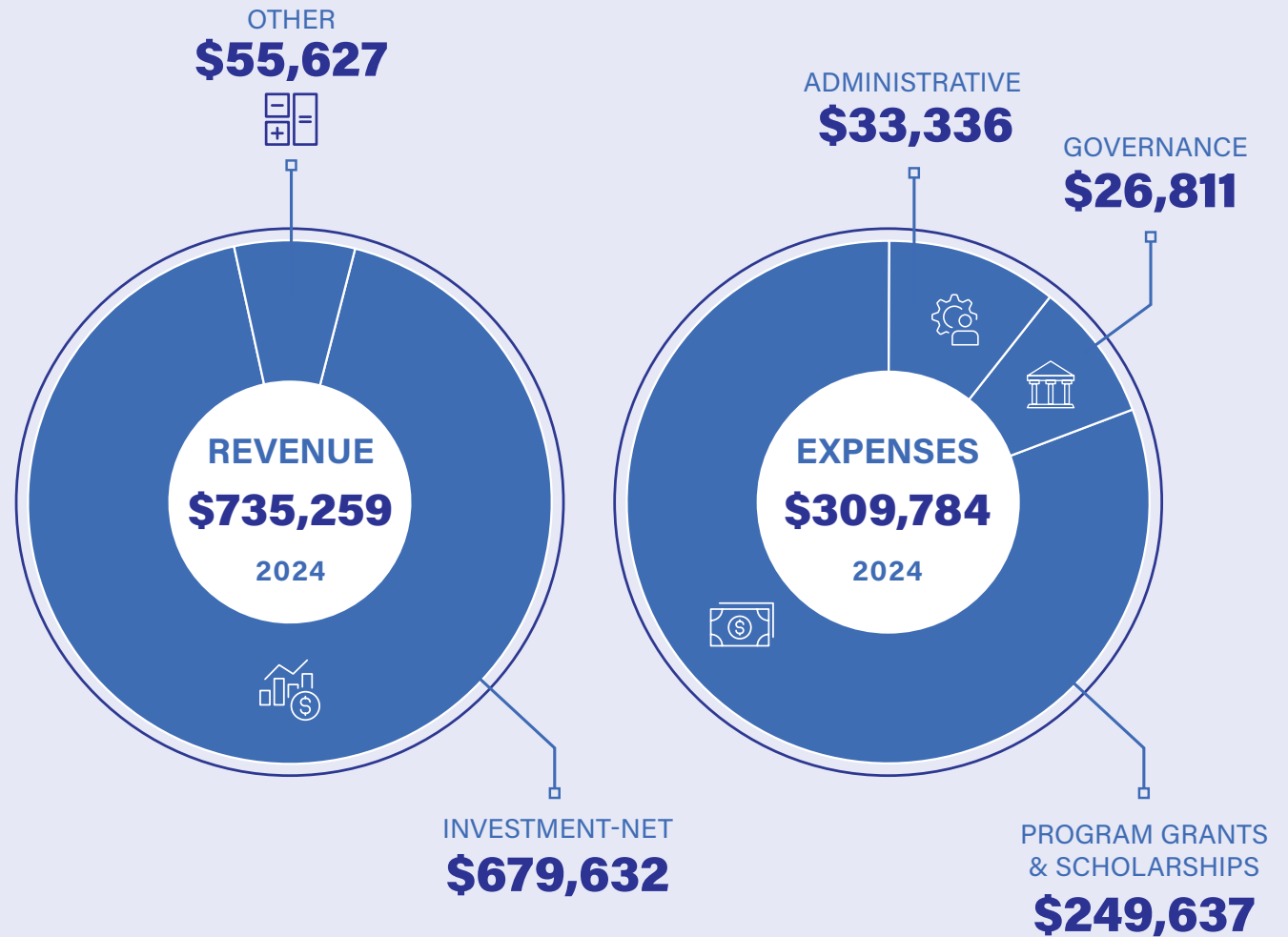
# ICPI FOUNDATION FINANCIALS

## STATEMENT OF FINANCIAL POSITION

Change to Year-End, June 30, 2024

Cash	298,821
Investments	6,574,219
<b>TOTAL ASSETS</b>	<b>6,873,040</b>

<b>Net Assets</b>	
Beginning of the Year	6,430,561
Change in Net Assets	442,479
<b>END OF THE YEAR</b>	<b>6,873,040</b>





CONCRETE  
**MASONRY &  
HARDSCAPES**  
ASSOCIATION

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CANADA: PO Box 1150 | Uxbridge, ON L9P 1N4

(703) 713-1900 | [info@masonryandhardscapes.org](mailto:info@masonryandhardscapes.org) | [masonryandhardscapes.org](http://masonryandhardscapes.org)