



2024-2025 Year in Review

August 2025



A Letter from Your ICAC President

I am looking forward to helping lead ICAC as the respected industry voice providing the practical technical expertise needed to navigate today's changing public policy and markets. Building on our organization's 60-year history, we will continue with our shared goals of enhancing clean air and reducing air pollution.

In this era of rapid change, prioritizing deliberate and strategic engagement with policymakers, regulators, and stakeholders at the federal, state and local levels will be critical to support ICAC's goals. The unprecedented reorganization in various levels of government illuminates the need for the technical acumen of ICAC's member companies and presents an opportunity to offer its reasoned, pragmatic voice. As we are seeing decision-makers revising policy approaches, we must identify and share what ICAC member technologies can and already do – and why these solutions matter. For nearly fifty years the benefits promised by the Clean Air Act have cut air pollution as the U.S economy has grown, and the resulting emissions reductions have led to astounding improvements in air quality. ICAC must work collectively to foster understanding of how our member companies' technologies have successfully cleaned the air in the past and proclaim their importance in catalyzing the future.

And speaking of the future... as we set out together to define this year's goals, one of my priorities is to develop, access, and utilize the deep bench of expertise within ICAC's membership to en-

courage more individual participation across our members. We need the next generation to bring their expertise and energy to ICAC's mission so we can unite fresh perspectives with hard-won experience to help address challenges and increase market opportunities. Please share this goal widely within your organizations. ICAC membership applies across your company and widening our aperture will help us capture new ideas to inspire organizational growth.

We have a lot to work on in the coming year and I look forward to engaging with all of you to help expand market opportunities for existing and future air emission challenges.

-Greg Filippelli, ICAC President



2025-2026 ICAC Officers



President

Greg Filippelli
Lhoist North America



Vice President

Grant Grothen
Burns & McDonnell



Treasurer & Secretary

Stan Mack
Johnson Matthey Stationary
Controls

Introduction: A Year of Transition and Resilience

The past year has been marked by uncertainty and transition, with national attention squarely focused on the 2024 presidential election and the changes that a new administration brings. Amid this evolving landscape, ICAC remained steadfast in its mission: to serve as a trusted, technically grounded voice for clean air innovation. While the broader policy environment may have often lacked clarity, our commitment to cutting through the noise and ensuring practical and achievable air pollution solutions has not wavered. We welcomed new members to the association this year, affirming our relevance and value across a rapidly changing policy and regulatory environment.

ICAC's role as a reliable, non-partisan resource has never been more critical. Policymakers, regulators, and other stakeholders are increasingly seeking credible technical guidance, particularly as environmental and public health standards are reexamined or redefined. We served as a connector between stakeholders, ensuring that environmental regulations are informed by real-world operational knowledge and innovation readiness. ICAC met this demand by advancing its longstanding mission:

- Providing high-quality, unbiased technical information to government agencies and key decision-makers.
- Ensuring that clean air technologies are understood, appropriately represented, and continually innovated in the public and private sectors.

Key Activities and Engagement in 2025

Cleantech Connect Series

Through our ongoing Cleantech Connect series, ICAC members and partners stayed ahead of emerging trends and up to date with the latest news in both technology and policy. This series helped contextualize regulatory shifts and identify new pathways for collaboration across sectors, allowing for timely discussions of regulatory developments, technological advances, and market signals. This year's Cleantech Connects were:

- **August 2024: PFAS Testing Efforts and Challenges to Measuring, Monitoring, and Mitigating PFAS with Taryn McKnight of Eurofins.** Taryn discussed the growing need and opportunities in the testing, validation, monitoring, and measurement of PFAS, which underscored the need for air-focused technologies.
- **September 2024: Supreme Court Rulings and their Impact on EPA Regulations and More with Bill Tyndall of AJW, Inc.** Bill reviewed significant Supreme Court rulings, including *Loper Bright Enterprises v. Raimondo* (Chevron Doctrine), *West Virginia v. EPA* (Major Questions Doctrine), *Corner Post, Inc. v. Board of Governors of the Federal Reserve System* (Administrative Procedures Act), as well as impacts to EPA's GHG rules (and more broadly CAA Sec.111).
- **February 2025: The Trump Administration, Priorities, Policies and Potential Market Opportunities with Ted Michaels of AJW, Inc.** Ted provided a one-month-in perspective on the shake-ups in Washington, with a particular focus on Administration priorities for emission reduction technologies.

- **May 2025: Compliance Exemptions under MATS and the Deregulatory Push for Other EPA Rules with Jim Staudt of Andover Technology Partners.** Jim and members connected to discuss some of EPA's announced deregulatory actions and how they could affect providers of particulate matter and mercury controls and monitoring equipment.

These sessions kept our members up to date on an ever-shifting political and technological landscape. We provided timely, insightful information to all ICAC member companies whenever pertinent.

If you have a topic area you would like to learn more about through a Cleantech Connect session, please reach out to ICAC staff.

Technical Divisions and Strategic Workgroups

ICAC's strength lies in its ability to bring together the expertise of its members to respond to (and sometimes clarify) public policy and regulatory issues. This year, our technical divisions and ad hoc workgroups advanced multiple priorities that are central to the future of clean air technologies. At each division meeting, ICAC staff provided a regulatory, legislative, and legal update on any policies or regulations (federal, state, local and international) we were tracking, with time for member discussion on the impacts of any issues and how to engage with government and other stakeholders.

Low Carbon Solutions Division

Our Low Carbon Solutions division met throughout the year to evaluate opportunities enabled by

federal decarbonization initiatives, and in 2025, how to stay engaged with the new Administration. Members examined how to reduce barriers to deployment and accelerate investment in transitional technologies, such as hybrid systems and fuel-flexible solutions, that can deliver immediate emissions reductions while preparing for longer-term transformations. These discussions were integral to ICAC's positioning on pragmatic climate solutions that balance urgency with achievability.

Domestic Conventional Pollutants Division

This division remained highly active in tracking and responding to U.S. EPA rulemakings, including the finalization of the Mercury and Air Toxics Standards (MATS). ICAC engaged EPA staff directly to highlight the relevance of clean air technologies in rapidly growing sectors like data centers, emphasizing how our members' solutions can support reliability and compliance simultaneously.

“

”

Emission standards should remain ppm-based because they are the most representative and broadly applicable standard with an ability to utilize the lb/MMBtu standard if an applicant so chooses to pursue it.

-ICAC public comments
to EPA in April 2025

ICAC also submitted detailed comments to EPA on their New Source Performance Standards (NSPS) for stationary combustion and gas turbines review. These comments addressed technical and cost-effectiveness concerns, including:

- The number of simple-cycle turbines using Selective Catalytic Reduction (SCR);
- The treatment of load-based capacity factors in emissions analysis;
- Methodological critiques regarding rolling average calculations and the treatment of start-up/shutdown operations.

The division also monitored state and local developments, particularly in Illinois and California, with a focus on greenhouse gases and air toxics regulations. Our repeated meetings with CARB and other government stakeholders affirm ICAC's role as a resource for practical, technology-informed decision-making.

Emissions Measurement and International Divisions

ICAC broadened its international engagement this year through meetings with officials from the U.S. Department of State and the Department of Commerce. Discussions focused on the value of air monitoring programs at U.S. embassies abroad—a strategy that not only promotes environmental transparency but also opens new export pathways for U.S.-manufactured emissions measurement and control systems, impacting both our International Markets and Emissions Measurement divisions. This collaboration underscores ICAC's growing role as a resource for the new Administration, both domestically and abroad.

PFAS Workgroup

Per- and polyfluoroalkyl substances (PFAS) remain an emerging problem that is incredibly widespread, with contamination found in air, water and soil. While most initial efforts to address this contamination have focused on water, it is only a matter of time before the focus will expand to air, including how to measure and control PFAS.

ICAC's PFAS workgroup met regularly to review legislative developments, testing requirements, and implications for member companies. We hosted a dedicated Cleantech Connect session in partnership with Eurofins, offering members expert insight into PFAS monitoring, analysis protocols, and emerging compliance expectations. There is a growing opportunity for ICAC member expertise as governments work to address the complexities of cleaning up PFAS contamination.

Looking Ahead: Priorities for 2026

Looking to 2026, ICAC is committed to helping members expand their market opportunities and position ICAC members as the leading technical resource in the industry.

While policy and regulatory environments may seem unpredictable, our strategy is clear. In the coming year, we will work hard to multiply your influence and develop relationships with decision-makers and customers with a focus on:

- **Supporting progress over perfection.** Now more than ever, governments need information about practical and effective technologies that achieve results.
- **Expand state-level engagement.** As federal agencies increasingly direct implementation to the state level, there is a growing opportunity to expand the understanding of available emissions solutions and develop a technology guide that can be utilized by regulators and customers.
- **Strengthen strategic private sector collaboration** by facilitating conversations with customers to help solve specific market and policy challenges.

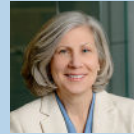
- **Grow our membership and expand the engagement with existing member companies** so that we can have a stronger industry voice.

Wrapping Things Up

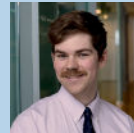
2025 was a year of complexity—marked by shifting political dynamics and continuing government action. Yet through it all, ICAC delivered on our mission, expanded our reach, and laid the groundwork for future growth. Clean air technologies remain central to environmental and public health progress, and ICAC continues to ensure these technologies are represented, understood, and advanced. With growing engagement from our members and a roadmap for the future, we are well-positioned to shape the ongoing conversation around air quality, environmental responsibility, and industrial innovation.

On behalf of the Board of Directors and ICAC leadership, thank you for your continued commitment to this vital work. We look forward to building on this momentum together through the coming year.

ICAC STAFF



Clare Schulzki
Executive Director
cschulzki@icac.com



Jake Smerchansky
Communications
jsmerchansky@icac.com



2101 Wilson Blvd, Suite 530
Arlington, VA 22201



www.linkedin.com/company/institute-of-clean-air-companies/



icacinfo@icac.com



We would also like to thank Daniel Menniti, MLC, for his dedicated leadership as ICAC President from 2023-2025. We wish him all the best in his new role as MLC's newest Global Business Manager for Specialty Products!



Current ICAC Members

✦ indicates ICAC Board Member

Andover
Technology
Partners



 **BURNS
MCDONNELL®** ✦



DURAG ✦

JM Johnson Matthey ✦
Inspiring science, enhancing life

 **Lhoist North America** ✦
Lhoist Group



 **MITSUBISHI
POWER** ✦

**OHIO
LUMEX**

ThermoFisher ✦
SCIENTIFIC