Air & Waste Management Association's 120th Annual Conference & Exhibition

Next Wave Environmental Sustainability

June 28 – July 1, 2027 • Long Beach, CA

ACE 2027 Technical Program Timeline

December 14, 2026

Abstract Deadline for Professional and Student Platform Presentations, Technical Posters, and Panel Sessions

December 18, 2026

Early Notification of Non-North American Proposals Submitted by Dec. 4

January 8 – February 15, 2027

Notification of Acceptance

January 15, 2027

Abstract Deadline for Student Posters

February 15, 2027

Author Notification of Presentation Format

April 12, 2027

Draft Paper, Poster, and Panel Synopsis Due

April 12 – May 28, 2027

Review Period

June 1, 2027

Final Submissions Due

June 28 – July 1, 2027

ACE 2027 in Long Beach, CA

www.awma.org/ACE2027

ACE 2027 CALL FOR ABSTRACTS

Submit your work and present at the premier conference on air, waste, environmental science, technology, and regulation

A&WMA invites abstracts of 200-400 words on a range of topics covering air quality, climate science, energy, and waste management; economic, social, scientific, and political factors shaping environmental policy and decision-making; and many more. Abstracts for individual platform presentations, posters, and panel sessions that are consistent with the theme of **Next Wave Environmental Sustainability** to address current and future environmental challenges are encouraged. Case studies and practical applications are especially desired. Abstracts are due by **December 14, 2026.** See the Technical Program timeline to the left for important deadlines. Submission format options are:

Platform Presentations: Individual oral presentations by professionals or students as part of a platform session with other presentations. Accepted platform authors may submit a full-length manuscript, extended abstract, or PowerPoint presentation slides for technical review.

Technical and Student Posters: For display and presentation in the poster session. Accepted poster authors must submit a print-ready poster in accordance with A&WMA guidelines for content and format. Draft and final submissions are required for Technical Posters, but not for Student Posters.

Panel Sessions: Panel submitters should propose a panel session topic and should be prepared to organize and conduct the panel in Long Beach. The 150-word Panel Synopsis should describe the panel's topic and goals, with a list of 3-5 panelists and their affiliations. A panel with panelists all from the same affiliation is discouraged and may be rejected.

Categories of interest are outlined on the following pages by major topic areas and subtopics, but other related topics are welcome. The abstract submission site can be accessed via **www.awma.org/ACE2027authors.** This page also includes details on options available for accepted abstracts to submit manuscripts for review and acceptance for presentation, and inclusion in the online conference proceedings.

Why You Should Present

A&WMA's Annual Conference and Exhibition (ACE) is recognized as the premier international conference on air, environmental, and waste technology, policy, and solutions, bringing together experts from industry, research, consulting, law, and government. The conference typically has more than 200 platform and poster presentations, many panels, multiple concurrent tracks, and a Mini-Symposium connected to the conference theme and hot topics. This is your opportunity to present your work and have it published in the online proceedings, share and exchange knowledge, hear panel discussions from experts on current topics, and interact with your peers, industry practitioners, consultants, regulators, researchers, and students.

ACE delivers diverse perspectives and practical insights on air, waste, clean energy, sustainability, and environmental management. Long Beach, California, is a dynamic hub for environmental progress and sustainability research and is the ideal location to host the 2027 Annual Conference. Anchored by the Port of Long Beach and its pioneering near zero-emissions initiatives, the region has helped drive advances in air-quality monitoring, remote sensing, emissions control, clean energy, coastal resilience, and energy storage. Cutting-edge academic institutions, industry, and agencies further strengthen this area's leadership in technology and research, while progressive approaches to air quality and waste management support sustainable solutions. California's scientific expertise and culture of innovation are helping shape the next wave of environmental sustainability and you should be there!

We hope to see you in person to share your work and make key connections at the 120th Annual Conference and Exhibition, the industry's premier event for environmental professionals.

Roger Wayson, AECOM, Technical Program Chair, and Michael T. Kleinman, Ph.D., University of California Irvine, Technical Program Vice Chair

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How to Submit an Abstract

A&WMA welcomes abstract submissions from individuals with diverse backgrounds, including but not limited to gender, race, ethnicity, nationality, sexual orientation, disability, and age. All abstracts must be submitted by **December 14, 2026,** using the abstract submission website. A&WMA cannot guarantee acceptance of late submittals. Detailed information, further instructions, and a link to the abstract submittal site can be found on the conference website: www.awma.org/ACE2027authors.

All abstracts are initially evaluated on technical quality, relevance and significance to current environmental issues, and absence of commercialism. Through this process, we strive to create an equitable review process that is free from bias and discrimination. Accepted abstract submissions will undergo a technical or content-only review, depending on the author's choice for manuscript submission, and authors will be allowed to present in poster, platform, or panel sessions. The program will include a dedicated poster-only session. Panel Session Chairs will have the opportunity to structure the panelist presentations and discussions.

For accepted abstracts, required manuscript submission options include a full-length paper, extended abstract, or PowerPoint slides, and a Panel Synopsis with confirmed panelists is required for accepted panel sessions by April 12, 2027. Final, reviewed submissions in accordance with the submittal guidelines (www.awma.org/ACE2027authors) will be included in the online conference proceedings provided they are presented in a platform, poster, or panel session at the conference.

Submission Process

Step 1: Link to A&WMA's online submission site via www.awma.org/ACE2027authors and follow the guided process. The listing of planned session topics, along with general topic areas, can be found on the online submission site to assist you.

Step 2: If you have been invited to submit an abstract in a specific area or for a specific session, there is a field to include this information with your submission. Please be sure to include the name of the individual who asked you to submit your abstract.

Step 3: Verify that the contact information, including spellings of all names, are current and entered correctly. Note that the e-mail address you provide is our primary means of contacting you regarding your submission.

Special Awards for YP and Student Presentations

Presenters at the conference may be selected for these awards:

- Young Professional (YP) Best Paper Award (must submit a full-length paper or extended abstract for technical review and must make the presentation in person at ACE to be considered for this award)
- Student Poster Awards

For more information, eligibility criteria, and requirements for these awards, please visit the conference website at www.awma.org/ACE2027.

Student Poster abstracts may be submitted until January 15, 2027.

Special Instructions

Individual submitters have a choice of presentation formats. Professionals may choose either the Platform or Poster presentation format during the submission process. A&WMA will make every effort to honor the choice, but it may be necessary to reassign some platforms to posters if an appropriate session is unavailable. Undergraduate, master's, and doctoral students have the choice to submit a Platform presentation or a Student Poster.

When submitting an abstract, do not submit the same abstract multiple times with different formats (e.g., one for a Platform and a duplicate abstract for a Panel). If you are an individual author (or primary author with co-authors) submitting a single work for presentation at the conference, do not select the Panel Session option. Individual presentations will be grouped with other presentations in a similar topic area into a Platform Session by the Technical Program Committee, or included in the Poster Session, as appropriate.

Abstracts for Panel Sessions should be submitted by potential session chairs, proposing a topic area with multiple panelists for a full Panel Session, typically running 100 to 120 minutes in duration. The specific Panel length will be determined by the time slot to which the Panel is assigned. Professionals submitting an abstract for a Panel Session are expected to recruit panelists for the session, organize the session, review and coordinate the presentations from the panelists, and chair the session at the conference. Panel chairs are responsible for submitting the Panel Synopsis and a list of confirmed panelists by the deadline of April 12, 2027.

PLEASE NOTE: A&WMA policy requires that all speakers, including panelists, attend the conference, register, and pay the appropriate registration fee. All travel, housing, and expenses are to be covered by the speaker.

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PROPOSED TOPICS

Conference Theme, Local, and Hot Topics

- AI Applications in Air & Waste Regulatory Program Development and Assessments
- Air Quality Issues for the Aerospace Industry
- Circular Economy, Producer Responsibility, and Biodegradable Plastics
- Community Engagement and Incentive Programs
- Data Center Sustainability, Energy Infrastructure, and Resiliency Planning
- Impacts of Legislative Changes: CEQA, NEPA, and Permit Streamlining
- New Directions in Power Generation and Battery Energy Storage
- Next Generation Clean Air Technologies
- Ports, Freight Corridors, and Warehouse/Distribution Centers
- Wildfires, Urban Fires, and Post-Fire Environmental Management

Air Measurements, Monitoring, and Controls

- Emission Inventories for Point and Non-Point Sources
- GHG/CO_2 Control Technologies and Strategies
- Methane Emission Characterization, Monitoring, and Control
- Near-Source Measurement and Monitoring
- Next-Generation Monitoring Tools and Satellite Data Utilization
- Ozone SIP Implementation Strategies
- PM, VOC, and Mercury Control Technologies
- Small Sensors for Community and Personal Exposure Monitoring
- Wildfire Monitoring, Impact Assessment, Mitigation, and Control Measures

Atmospheric Processes

- Air Dispersion Modeling
- PAMS and Precursor Data Analysis
- Particulate Matter: Methods, Speciation, and Analysis
- Photochemistry and Atmospheric Processes
- PM2.5 Long-Range Transport
- Regional Haze: Wildfires, Industry, and State/Federal Actions
- Secondary Particulate Formation
- Visibility Science and Policy

Environmental Program Administration

- Air Legislation, Regulation, Policy, and Court Rulings
- Air Permitting Issues and Solutions
- Air Permitting Requirements for PFAS and Emerging Pollutants
- Air Quality Issues in Non-North American Countries
- BACT/LAER Development and Implementation
- Challenges Facing Environmental Education
- Cross-Sector Collaboration for Air Quality Improvement
- Data Visualization and Management
- Economics, Partnering, and Environmental Leadership
- Environmental Crisis Management and Risk Assessment
- Environmental Management and Compliance Systems
- EPA Initiatives and Priorities for 2027-2029
- Modeling Issues in PSD/Minor NSR Permitting
- NSR Issues and Recent Developments
- Public Engagement in Air Quality Programs

Environmental Effects and Exposure

- AI and Human Health Effects: Predictions, Analyses, and Data Quality Assessment
- Air Quality and Health Effects
- Cannabis-Related Air Quality and Odor Topics
- Exposure and Health Effects of Regulated and Non-Regulated Air Pollutants
- Indoor Air Quality and Vapor Intrusion Exposure and Effects
- Multi-Pollutant Health Effects
- Non-Tailpipe Motor Vehicle Emissions/6PPD Issues
- Odor Characterization, Measurement, Monitoring, and Control
- PFAS and Emerging Contaminant Exposures
- Risk Assessment, Management, and Communication
- Safety Management and Recent Experience
- Wildfire Health Effects

Environmental Justice

- Emission and Noise Impacts on Overburdened Communities
- Environmental Change and Equity
- Health Effects and Exposure Evaluation in Overburdened Communities
- Impacts on Policy, Regulatory Development, Future Planning, and Permitting
- Modeling, Monitoring, and Risk Assessment for Environmental Equity Reviews
- Public Participation, Industry-Community Relations, and Beneficial Engagement

Transportation and Land Use

- Airport Environmental Certification
- Alternative Fuels and Transportation
- Electrification of Ports and Marine Vessels
- Exhaust and Non-Exhaust Emissions from On- and Off-Road Mobile Sources
- GHG Emissions Reduction Initiatives at Ports (Water and Land Sources)
- Highway Vehicle Speed and Geometry Effects on Emissions
- Land Use Policies to Reduce Transportation Source Impacts
- Off-Road Mobile Sources: Rail, Ship, and Airplane Emissions
- Transportation: Community Noise and Vibration Modeling and Issues
- Transportation: Sustainability and Health Issues
- Transportation and Land Use Policies Affecting Overburdened Communities
- Upstream and Downstream Emissions

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Petroleum, Industry, Mining, and Nanotechnology

- Abandoned Gas Wells and Pipelines: Environmental Implications
- Chemical and Refining Industry: Emissions, Controls, and Fenceline Monitoring
- Critical Infrastructure (Pipelines, Grid, Ports)
- Critical Mineral Recovery from Tailings and Mining Operations
- Fugitive Dust Emissions from Bulk Material Handling, Stockpiles, and Industrial Sites
- Nanomaterials: Characterization, Applications, and Environmental/Occupational Safety
- Semiconductor Manufacturing: Air Quality and Environmental Considerations
- TSCA Issues and Emerging Chemical Regulations
- Unconventional Oil and Gas: Controls and Emission Calculations

Power Generation, Renewable Energy, and Battery Energy Storage

- Battery and Solar Panel Manufacturing: Environmental Considerations
- Developing Generation, Energy Storage/Battery Technologies, and Virtual Power Plants
- Grid Stability, Resilience, and Reliability
- International Power Generation: Fossil, Renewable, and Nuclear
- Lithium and Battery Life Cycle Issues: Mining, Manufacturing, and Disposal
- Power Generation: Efficiency Improvements, Emissions Reduction, and Sustainability
- Renewable Natural Gas, Green Hydrogen, and Fuel Cell Technology
- Revitalizing Nuclear Energy and Small Modular Reactors

Government/Military Facilities and Programs

- Environmental Compliance Issues at Federal Facilities and Policy
- Environmental Considerations in Military Procurement
- Interaction Between Branches of Service on Environmental Issues
- Meeting Sustainability Goals for Federal Facilities
- Planning and Implementing Sustainability and Resiliency at Federal and Public Sector Facilities
- Regulatory/Compliance Cost Impacts on Modernization of National Security Facilities
- When Does Mission Readiness Supersede Environmental Planning?

Climate Science, Policy, Impacts, Regulations, Mitigation, and Adaptation

- Carbon Capture and Storage: Policies and Strategies
- Carbon Neutrality Approaches and Strategies
- Co-Benefits of Air Pollution and GHG Policy
- Comparative Regulatory Approaches: Cap-and-Trade vs. Carbon Tax
- Extreme Heat Event Management and Resilience
- GHG Impacts from Agriculture and Wildfires
- GHG Reduction and Decarbonization: Corporate, Aviation, and Transport Sectors
- Local Climate Planning, Tracking, and Reporting
- Policy, Regulatory Issues, and Risk Management
- Resiliency and Adaptation Planning

Sustainability and Resource Conservation

- AI Applications in Sustainable Waste Management
- Changing ESG and Regulatory Landscape
- Corporate Sustainability: Plans, Programs, Ethics, and Performance Tracking
- Energy-Water-Waste Nexus
- Organic and Plastics Waste Reduction and Reuse
- State and Local Government Sustainability Programs
- Sustainability and Resiliency Planning: Global Perspectives and Case Studies
- Sustainability Metrics and Analytics
- Sustainable Waste/Materials Management: International Perspectives and Practices
- Zero Waste and Circular Economy: Plans, Programs, Metrics, Economics, and Innovation

Waste Processing, Waste-to-Energy, and Bioenergy

- Anaerobic Digestion and Composting: Food Wastes, Biosolids, Agricultural Wastes, and MSW
- Environmental Issues in Housing Construction, Demolition, and Reconstruction Waste
- Hazardous Waste Characterization, Treatment, and Reuse
- Landfills: Management, Remediation, Gas Collection, and Utilization Systems
- National and Regional Waste Strategies: Conflicts and Gaps in Regulation
- Residuals Management and Reuse: Agriculture, Water/Wastewater, Ash, C&D, Industrial, and Stormwater
- Site Assessment, Remediation, and Vapor Intrusion
- Solid Waste Generation, Characterization, and Collection
- Sustainable Site Remediation, Brownfield Development, and Emerging Contaminants
- Urban Wildfire Debris: Waste Characterization, Disposal, and Reconstruction
- Waste-to-Energy and Biomass Conversion Technologies and Systems